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Computed tomography of rhabdomyosarcomas of the skull base in children. Scotti G, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):33–9

Statistical analysis of hesitations on diagnosis in skull and brain CT examinations. Berger-Vachon C, et al. **J Neuroradiol** 1981;8(4):343–51 **(Eng, Fre)**

Intrasellar chondroma. Munemitsu H, et al. **Neurol Med Chir (Tokyo)** 1981 Jul;21(7):775–80

Cranial computed tomographic appearance of chondrosarcoma of the base of the skull. Grossman RI, et al. **Radiology** 1981 Nov;141(2):403–8

Foramen magnum meningioma. Kim KS, et al. **Surg Neurol** 1982 Apr;17(4):287–9

[Osteoid osteoma of the ethmoid bone (author's transl)] Lacombe H, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(7–8):377–80 (Eng. Abstr.) **(Fre)**

[Dynamic computer tomographic for tumours of the facial skeleton (author's transl)] Claussen C, et al. **ROFO** 1982 Feb;136(2):144–50 (Eng. Abstr.) **(Ger)**

[Location of tumor masses in epipharyngeal space and skull--application of CT scanning (author's transl)] Ishida M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May; 84(5):506–12 (Eng. Abstr.) **(Jpn)**

[A case of solitary cranial tumor in myelomatosis (author's transl)] Fujiwara S, et al. **No Shinkei Geka** 1981 Aug; 9(9):1061–4 (Eng. Abstr.) **(Jpn)**

[Two cases of laterally situated sinus pericranii (author's transl)] Kohshu K, et al. **Rinsho Hoshasen** 1981 Mar; 26(3):391–4 (Eng. Abstr.) **(Jpn)**

[Plasmacytoma of the skull (author's transl)] Tada S. **Rinsho Hoshasen** 1981 Feb;26(2):339–40 **(Jpn)**

[Contribution of computerized tomography to the diagnosis and postoperative study of sellar tumors] Facure JJ, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):174–81 (Eng. Abstr.) **(Por)**

RADIONUCLIDE IMAGING

Facial bone scintigraphy. VIII. Diagnosis of malignant lesions in the maxillary, ethomoidal and palatal bones. Bergstedt HF, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(5):609–18

[The importance of circumscript activity concentrations of the frontobasal region of the skull in skeletal scintigraphy (author's transl)] Crone-Münzebrock W, et al. **Radiol Diagn (Berl)** 1981;22(6):815–8 (Eng. Abstr.) **(Ger)**

[Osteoscintigraphy in the diagnosis of skull bone defects of various origins] Rostovtseva TF, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):15–20 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Definitive radiation therapy for chordoma and chondrosarcoma of base of skull and cervical spine. Suit HD, et al. **J Neurosurg** 1982 Mar;56(3):377–85

SECONDARY

Unusual cause of increased intracranial pressure from metastatic germ cell cancer. Scalzo AJ, et al. **Med Pediatr Oncol** 1982;10(1):1–5

Recurrent benign mixed tumor of lacrimal gland: report of a case with intracranial extension. Ossoff RH, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):599–601

[Cerebral and cranial metastases of breast neoplasms] Constantinescu AI, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jul–Sep; 26(3):195–204 (Eng. Abstr.) **(Ita)**

[Computerized tomographic findings in intracranial and skull metastases (author's transl)] Watanabe T, et al. **Neurol Med Chir (Tokyo)** 1982 Apr;22(4):283–90 (Eng. Abstr.) **(Jpn)**

[CT findings of skull and intracranial metastatic neuroblastoma--report of 3 cases (author's transl)] Kuroki M, et al. **No Shinkei Geka** 1982 May;10(5):541–6 (Eng. Abstr.) **(Jpn)**

SURGERY

Radical en bloc resection of the temporal bone. Ariyan S, et al. **Am J Surg** 1981 Oct;142(4):443–7

Recurrent fibrosarcoma of skull: a 35-year surgical odyssey. Landra AP, et al. **Br J Plast Surg** 1981 Oct;34(4):462–3

Recent advances in neuro-otology. Brackmann DE. **Head Neck Surg** 1981 Sep–Oct;4(1):22–8

Craniofacial resection for ethmoid carcinoma in children. Supance JS, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep; 3(3):185–94

A systematic approach to tumours of the base of the skull. Jackson IT, et al. **J Maxillofac Surg** 1982 May;10(2):92–8

Dermoid cysts of the anterior fontanelle. Pannell BW, et al. **Neurosurgery** 1982 Mar;10(3):317–23

A surgical approach to chordomas at the base of the skull. Miller RH, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):251–5

Free flap in nonagenarian [letter] Furnas DW, et al. **Plast Reconstr Surg** 1982 Jul;70(1):116–7

[Primary tumors of the skull in children (author's transl)] Luo SQ. **Chung Hua Chung Liu Tsa Chih** 1981 Nov; 3(4):274–6 (Eng. Abstr.) **(Chi)**

[Round table. Microsurgery and problems of tumors of the base of the skull] Sterkers JM, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(4–5):229–34 **(Fre)**

[Ethmoido-frontal osteoma] Teodorescu L, et al. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep;26(3):161–76 **(Rum)**

[Cranial epidermoids] Fagula J, et al. **Rozhl Chir** 1982 Feb; 61(2):105–8 (Eng. Abstr.) **(Slo)**

THERAPY

[Cylindromas of the nasal fossae and base of the skull. Four cases (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):451–5 (Eng. Abstr.) **(Fre)**

VETERINARY

Carcinoma of the mucosa of the ethmoid in the deer (Axis axis). Rajan A, et al. **Vet Pathol** 1982 Jul;19(4):458–60

SKUNKS see under **CARNIVORA**

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SLEEP

Effects of sleep on spontaneous activity in symptomatic diffuse esophageal spasm. Danielides I, et al. **Am J Gastroenterol** 1982 Aug;77(8):535–8

Effect of periodic or regular respiratory pattern on the ventilatory response to low inhaled CO2 in preterm infants during sleep [letter] Johnson P. **Am Rev Respir Dis** 1981 Oct;124(4):513–4

Variation in circulating immune complex levels with diet, exercise, and sleep: a comparison between normal controls and patients with systemic lupus erythematosus. Isenberg DA, et al. **Ann Rheum Dis** 1981 Oct;40(5):466–9

Sleeping patterns in upper-middle-class families when the child awakens ill or frightened. Rosenfeld AA, et al. **Arch Gen Psychiatry** 1982 Aug;39(8):943–7

Diagnosis of sleep breathing disorders in a general hospital. Experience and recommendations. Kryger MH, et al. **Arch Intern Med** 1982 May;142(5):956–9

Volvolon: a recently discovered peptide hormone from the pineal body. Iversen OH. **Can Med Assoc J** 1982 Apr 1; 126(7):787–90

Respiratory pauses and apnea during daytime sleep in normal infants during the first year of life: longitudinal observations. Ellingson RJ, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):48–59

Pattern of thyrotropin and thyroxine plasma concentrations during the 24-hour sleep-wake cycle in the male rhesus monkey. Giannella-Neto D, et al. **Endocrinology** 1981 Dec; 109(6):2144–51

24-Hour pattern of plasma prolactin in the male rhesus monkey and its relation to the sleep/wake cycle. Quabbre HJ, et al. **Endocrinology** 1982 Mar;110(3):969–75

Exercise and sleep behaviour. A questionnaire approach. Porter JM, et al. **Ergonomics** 1981 Jul;24(7):511–21

Proceedings for the 5th meeting of the Japanese Society of Sleep Research. July 19, 1980, Tokyo. **Folia Psychiatr Neurol Jpn** 1981;35(3):389–403

Apparent phase-shifts of circadian rhythms (masking effects) during rapid shift rotation. Vokac Z, et al. **Int Arch Occup Environ Health** 1981;49(1):53–65

Resolution of migraine attacks: sleep and the recovery phase. Blau JN. **J Neurol Neurosurg Psychiatry** 1982 Mar; 45(3):223–6

Pharmacological evidence favoring a similarity between alpha adrenoceptors mediating sleep in chicks and cardiac presynaptic alpha-2 receptors in rats. Roach AG, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):680–7

Weather and infradian rhythms in self-reports of health, sleep and mood measures. Whitton JL, et al. **J Psychosom Res** 1982;26(2):231–5

Sleep after exercise: a literature review. Torsvall L. **J Sports Med Phys Fitness** 1981 Sep;21(3):218–25 (47 ref.)

Turtle headaches [letter] Gilbert GJ. **JAMA** 1982 Aug 27; 248(8):921

Chinese-American infant temperament and sleep duration: an ethnic comparison. Weissbluth M. **JDBP** 1982 Jun; 3(2):99–102

Irregular breathing and hypoxaemia during sleep in chronic stable asthma. Catterall JR, et al. **Lancet** 1982 Feb 6; 1(8267):301–4

Study on sleep adjustment peculiarities in patients with 1--2 weeks of night-shiftwork. Corfariu O, et al. **Neurol Psychiatr (Bucur)** 1981 Jul–Sep;19(3):177–81

Activity of substantia nigra units across the sleep-waking cycle in freely moving cats. Trulson ME, et al. **Neurosci Lett** 1981 Oct 23;26(2):183–8

Sleep and neuroendocrine abnormalities in affective disorders: new findings. **Psychopharmacol Bull** 1981 Jul; 17(3):20–3

Rotating shift work schedules that disrupt sleep are improved by applying circadian principles. Czeisler CA, et al. **Science** 1982 Jul 30;217(4558):460–3

Diagnostic significance of penile erections during sleep. Marshall P, et al. **Urology** 1982 Jul;20(1):1–6

Mood and sleep. II. Effects of aversive pre-sleep stimulation. Cluydts R, et al. **Waking Sleeping** 1980 Jul–Sep; 4(3):199–203

An inexpensive four channel demodulator for use in recording sleep biodata in the home environment. Garza GG, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):253–8

[Sleeping behavior between the ages of 2 and 18. Longitudinal study] Bühler M, et al. **Helv Paediatr Acta** 1981;36(6):533–41 (Eng. Abstr.) **(Ger)**

[Sleep and prolactin release in patients with hypothalamo-pituitary tumors (author's transl)] Tomono Y, et al. **No To Shinkei** 1981 Dec;33(12):1257–63 (Eng. Abstr.) **(Jpn)**

[Studies on the night work and shift of guards. Part 2. Effects of prolonged on-duty and overtime work on daily activities and sleeping hours (author's transl)] Matsumoto K, et al. **Sangyo Igaku** 1981 Jan;23(1):61–71 (Eng. Abstr.) **(Jpn)**

[Sleep-wakefulness rhythm and frequency of convulsive seizures in epilepsy complicated and uncomplicated by psychosis] Boldyrev AI, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):1–6 **(Rus)**

[Sleep research] **Lakartidningen** 1982 Feb 17;79(7):521–35 (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

Pre- and postoperative use of lormetazepam. Doom A, et al. **Acta Anaesthesiol Belg** 1981;32(2):155–60

Tricyclic antidepressants and EEG sleep in depressed patients. Kupfer DJ. **Adv Biochem Psychopharmacol** 1982; 32:269–79

Effects of dihydroergotoxine methane sulphonate (Redergine) on sleep in cats deprived of paradoxical sleep. Sušić V, et al. **Arch Int Physiol Biochim** 1981 Dec; 89(5):411–5

A new centrally acting antihypertensive (ICI 106270) which separates antihypertensive effects from sedation. Clough DP, et al. **Arzneimittelforsch** 1981;31(10):1698–703

A comparison of the effects of chlormezanone and nitrazepam on sleep. Adam K, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):57–65

Cimetidine and human sleep [letter] Borrow S, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):247–8

Dose-related effects of phenobarbitone on human sleep-waking patterns. Karacan I, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):303–13

Single and repeated dose comparison of three antihistamines and phenylpropanolamine: psychomotor performance and subjective appraisals of sleep. Seppälä T, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):179–88

Effects of oxolinic acid on the sleep-wakefulness cycle of the rat. D'Angelo L, et al. **Br J Pharmacol** 1981 Oct; 74(2):399–404

Effects of melatonin on sleep and neurochemistry in the rat. Holmes SW, et al. **Br J Pharmacol** 1982 May;76(1):95–101

Effects of polychlorinated biphenyls and nutritional restriction on barbiturate-induced sleeping times and selected blood characteristics in raccoons (Procyon lotor). Montz EW, et al. **Bull Environ Contam Toxicol** 1982 May; 28(5):578–83

Effect of phenobarbital on sleep and nighttime plasma growth hormone and cortisol levels. Prinz PN, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1139–45

Morphinelike arousal by methadone during sleep. Pickworth WB, et al. **Clin Pharmacol Ther** 1981 Dec;30(6):796–804

Effects of disulfiram on the sleep of chronic alcoholics. Snyder S, et al. **Curr Alcohol** 1981;8:159–66

Polysomnographic effects of thyroid hormones primary myxedema. Ruiz-Primo E, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):559–64

Effect of acute treatment with cadmium on ethanol anesthesia, body temperature, and synaptosomal Na+-K+-ATPase of rat brain. Magour S, et al. **Environ Res** 1981 Dec;26(2):381–91

Effect of temazepam and temazepam-ethanol on sleep. Lehmann W, et al. **Eur J Clin Pharmacol** 1981;20(3):201–5

Difference in tolerance development of hypothermia and pentobarbital-induced sleep prolongating effect of 11-hydroxy-delta 8-tetrahydrocannabinol and 11-oxo-delta 8-tetrahydrocannabinol in mice. Watanabe K, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):53–6

Changes in circadian sleep-waking rhythms of rats following administration of methylmercury chloride. Arito H, et al. **Ind Health** 1982;20(1):55–65

Acute and delayed effects of DSIP (delta sleep-inducing peptide) on human sleep behavior. Schneider-Helmert D, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Aug; 19(8):341–5

Hypnotic efficacy in middle age. Nicholson AN, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):118–21

Further studies on the determinant role of brain level of pentobarbital for the development of acute hypnotic tolerance. Kaneto H, et al. **J Pharmacobiodyn** 1981 Sep; 4(9):700–5

Effect of cyclic dipeptides containing histidine on pentobarbital narcosis. Suzuki T, et al. **J Pharmacobiodyn** 1981 May;4(5):377–9

Differential ethanol sensitivity of intraocular cerebellar grafts in long-sleep and short-sleep mice. Palmer MR, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):480–7

Cocaine potentiates ketamine-induced loss of the righting reflex and sleeping time in mice. Role of catecholamines. Vanderwende C, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):122–5

Barbiturate sleeptime in mice exposed to autoclaved or unautoclaved wood beddings. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Dec;31(6):672–5

Sleep laboratory and clinical studies of the effects of triazolam, flunitrazepam and flurazepam in insomniac patients. Monti JM. **Methods Find Exp Clin Pharmacol** 1981 Sep–Oct;3(5):303–26

(+)-6-fluorotryptophan, an inhibitor of tryptophan hydroxylase: sleep and wakefulness in the rat. Nicholson AN, et al. **Neuropharmacology** 1981 Apr;20(4):335–9

Effects of a new benzodiazepine hypnotic (quazepam--SCH 16134) on EEG synchronization and sleep-inducing mechanisms in cats. Ongini E, et al. **Neuropharmacology** 1982 May;21(5):405–12

A comparison between astemizole and other antihistamines on sleep–wakefulness cycles in dogs. Wauquier A, et al. **Neuropharmacology** 1981 Sep;20(9):853–9

Accelerated acquisition of ethanol tolerance in isolated mice. Yanai J, et al. **Neuropsychobiology** 1982;8(3):135–9

Lifetime monoamine oxidase inhibition and sleep. Mendelson WB, et al. **Pharmacol Biochem Behav** 1982 Mar; 16(3):429–31

Methysergide blocks the sleep suppressant action of quipazine in rats. Fornal C, et al. **Psychopharmacology (Berlin)** 1982; 76(3):255–9

6-(3-chloro)-phenoxy-2-methyl-1-oxa-4-azospiro-[4,5]d (CERM 3726) and sleep of healthy men. Nicholson AN, et al. **Psychopharmacology (Berlin)** 1982;76(2):157–9

Changes in the rat sleep-wake cycle produced by DL-6-fluorotryptophan, a competitive inhibitor of tryptophan hydroxylase. Sugden D, et al. **Psychopharmacology (Berlin)** 1981;74(4):369–73

Sleep-promoting factor isolated [news] Maugh TH 2d. **Science** 1982 Jun 25;216(4553):1400

Effects of beta-endorphin and morphine on the sleep–wakefulness behavior of cats. King C, et al. **Sleep** 1981 Sep;4(3):259–62

Sleep regulation after reduction of brain serotonin: effect of p-chlorophenylalanine combined with sleep deprivation in the rat. Tobler I, et al. **Sleep** 1982;5(2):145–53

Antagonism of ethanol induced sleep-time by alpha-msh, MSH/ACTH4–10 and naloxone. McGivern RF, et al. **Subst Alcohol Actions Misuse** 1980;1(4):335–42

Influence of ozone on pentobarbital-induced sleeping time in mice, rats, and hamsters. Graham JA, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):64–73

Effect of ozone on drug-induced sleeping time in mice pretreated with mixed-function oxidase inducers and inhibitors. Graham JA, et al. **Toxicol Appl Pharmacol** 1982 Mar 15;62(3):489–97

Does para-chlorophenylalanine produce disturbed waking, disturbed sleep or activation by ponto-geniculo-occipital waves in cats? Ursin R. **Waking Sleeping** 1980 Jul–Sep; 4(3):211–21

[A double-blind study of the effects of midazolam on sleep prior to surgery (author's transl)] du Cailar J, et al. **Arzneimittelforsch** 1981;31(12a):2239–43 (Eng. Abstr.) **(Fre)**

[Night sleep study in chronic psychotics under long term flupenthixol treatment (author's transl)] Serbanescou T, et al. **Encephale** 1981;7(5):623–9 (Eng. Abstr.) **(Fre)**

[Effects of intraventricular injection of 5,7-dihydroxytryptamine on monoamines and sleep in the kitten (author's transl)] Adrien J, et al. **J Physiol (Paris)** 1981;77(2–3):425–30 (Eng. Abstr.) **(Fre)**

[Selective identification of indoleamine-containing neurons under particular pharmacological (PCPA, 5-HTP) and behavioral situations (sleep) (author's transl)] Petitjean F, et al. **J Physiol (Paris)** 1981;77(2–3):237–9 (Eng. Abstr.) **(Fre)**

[Restoration of sleep in cats pretreated with tabernanthine p-chlorophenoxyacetate (SAD 103) (author's transl)] Da Costa-Rochette L, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):147–54 (Eng. Abstr.) **(Fre)**

[Topographical distribution of slow sleep rhythms in children withdrawn from barbiturates (author's transl)] Findji F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):218–27 (Eng. Abstr.) **(Fre)**

[EEG sleep activity in a phenylketonuric child of the 'new variant' type, before and after treatment with 5-HTP and L-DOPA (author's transl)] Salomon F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):212–7 (Eng. Abstr.) **(Fre)**

[Pharmacological testing of sleep-inducing substances] Kuhn FJ. **Arzneimittelforsch** 1981;Suppl 27:47–9 **(Ger)**

[Evaluation of the activity on the mouse CNS of several plant extracts and a combination of them] Della Loggia R, et al. **Riv Neurol** 1981 Sep–Oct;51(5):297–310 (14 ref.) (Eng. Abstr.) **(Ita)**

[Effect of the beta-adrenoblocker propranolol and the tranquilizer seduxen on natural sleep in cats] Snisarenko AA. **Fiziol Zh SSSR** 1981 Dec;67(12):1780–4 (Eng. Abstr.) **(Rus)**

[Neuroendocrine effect of thyroliberin and its analogs] Babichev VN, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):35–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Increase in sleep related GH and Prl secretion after chronic arginine aspartate administration in man. Besset A, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):18–23

Generalized epilepsy with spike-wave paroxysms as an epileptic disorder of the function of sleep promotion. Halász P. **Acta Physiol Acad Sci Hung** 1981;57(1):51–86

The sleep of artificially reared newborn rats, effect of alpha-methyl-DOPA treatment on paradoxical sleep and on adult behaviour. Juvancz P. **Acta Physiol Acad Sci Hung** 1981;57(1):87–98

The application of the static charge sensitive bed (SCSB) to sleep studies in the cat. Valleala P, et al. **Acta Physiol Scand** 1981;113(3):399–401

Blood–brain barrier, aging, brain blood flow, and sleep. Burns EM, et al. **Adv Neurol** 1981;30:301–6

Rheumatic pain modulation syndrome: the interrelationships between sleep, central nervous system serotonin, and pain. Moldofsky H. **Adv Neurol** 1982;33:51–7

Effect of flurazepam on sleep–disordered breathing and nocturnal oxygen desaturation in asymptomatic subjects. Dolly FR, et al. **Am J Med** 1982 Aug;73(2):239–43

Neural control of vasomotion in rabbit ear is impaired during desynchronized sleep. Franzini C, et al. **Am J Physiol** 1982 Jul;243(1):R142–6

Effects of sleep-promoting factor from human urine on sleep cycle of cats. García-Arrarás JE. **Am J Physiol** 1981 Oct; 241(4):E269–74

Breath-to-breath variations in rate and depth of ventilation in sleeping infants. Haddad GG, et al. **Am J Physiol** 1982 Jul;243(1):R164–9

Baroreceptor regulation of heart rate in baboons during different behavioral states. Stephenson RB, et al. **Am J Physiol** 1981 Nov;241(5):R277–85

Cross-species invariance in state-related motility patterns. Thoman EB, et al. **Am J Physiol** 1981 Nov;241(5):R312–5

Circadian timing of sleepiness in man and woman. Winfree AT. **Am J Physiol** 1982 Sep;243(3):R193–204 (127 ref.)

The tides of human consciousness: descriptions and questions. Winfree AT. **Am J Physiol** 1982 Mar;242(3):R163–6 (16 ref.)

Breathing during sleep in parents of sudden infant death syndrome victims. Acres JC, et al. **Am Rev Respir Dis** 1982 Feb;125(2):163–6

Ventilatory and arousal responses to hypoxemia in sleep [editorial] Anthonisen NR, et al. **Am Rev Respir Dis** 1982 Jul;126(1):1–2

Ventilatory and arousal responses to hypoxia in sleeping humans. Berthon-Jones M, et al. **Am Rev Respir Dis** 1982 Jun;125(6):632–9

The effect of oxygenation on sleep quality in chronic bronchitis and emphysema. Calverley PM, et al. **Am Rev Respir Dis** 1982 Aug;126(2):206–10

Hypoxic ventilatory response decreases during sleep in normal men. Douglas NJ, et al. **Am Rev Respir Dis** 1982 Mar;125(3):286–9

Effect of progressive hypoxia on breathing during sleep. Gothe B, et al. **Am Rev Respir Dis** 1982 Jul;126(1):97–102

Nocturnal asthma: features of attacks, sleep and breathing patterns. Montplaisir J, et al. **Am Rev Respir Dis** 1982 Jan; 125(1):18–22

Chest wall mechanics and pattern of breathing during sleep in asthmatic adolescents. Tabachnik E, et al. **Am Rev Respir Dis** 1981 Sep;124(3):269–73

Sleep architecture and REM sleep measures in prepubertal children with major depression: a controlled study. Puig-Antich J, et al. **Arch Gen Psychiatry** 1982 Aug; 39(8):932–9

48-hour sleep–wake cycles in manic–depressive illness: naturalistic observations and sleep deprivation experiments. Wehr TA, et al. **Arch Gen Psychiatry** 1982 May; 39(5):559–65

EEG studies of sleep in the diagnosis of depression. Feinberg M, et al. **Biol Psychiatry** 1982 Mar;17(3):305–16

Sleep EEG and dexamethasone suppression test findings in outpatients with unipolar major depressive disorders. Rush AJ, et al. **Biol Psychiatry** 1982 Mar;17(3):327–41

The effects of exercise upon sleep: a critical review. Horne JA. **Biol Psychol** 1981 Jun;12(4):241–90 (95 ref.)

Hydranencephaly: sleep and movement characteristics. Hakamada S, et al. **Brain Dev** 1982;4(1):45–9

Body movements during sleep in full-term newborn infants. Hakamada S, et al. **Brain Dev** 1982;4(1):51–5

Effects of serotonin synthesis inhibition on sleep in hippocampectomized rats. Laguzzi RF. **Brain Res** 1982 May 20;240(1):175–7

Postsynaptic control of lumbar motoneuron excitability during active sleep in the chronic cat. Morales F, et al. **Brain Res** 1981 Nov 30;225(2):279–95

Activity of nucleus raphe pallidus neurons across the sleep–waking cycle in freely moving cats. Trulson ME, et al. **Brain Res** 1982 Apr 8;237(1):232–7

Narcoleptic-like alterations of the sleep cycle in cats induced by a specific vasotocin antiserum. Pavel S, et al. **Brain Res Bull** 1981 Oct;7(4):453–4

Chronic recording of multiple-unit activity from the brain of conscious sheep. Rasmussen DD, et al. **Brain Res Bull** 1981 Aug;7(2):163–7

Recent developments in sleep research. Williams RL. **Cardiovasc Res Cent Bull** 1980 Oct–Dec;19(2):37–40

Correlation studies on routine EEG examination and nocturnal sleep recordings in mentally retarded children. Shibagaki M, et al. **Clin Electroencephalogr** 1981 Jul; 12(3):96–101

Acute heroin abstinence in man. III. Effect upon waking and slow wave sleep. Howe RC, et al. **Drug Alcohol Depend** 1980 Oct;6(4):247–62

Polysomnographic study of terminal sleep following delirium tremens. Nakazawa Y, et al. **Drug Alcohol Depend** 1981 Sep;8(2):111–7

Weight changes and sleep organisation in infants. Fagioli I, et al. **Early Hum Dev** 1981 Sep;5(4):395–9

Sleep states development in the first year of life assessed through 24-h recordings. Fagioli I, et al. **Early Hum Dev** 1982 Apr;6(2):215–28

Cranial blood flow and blood pressure changes during sleep in the human neonate. Mukhtar AI, et al. **Early Hum Dev** 1982 Jan;6(1):59–64

Experimentally displaced sleep: effects on sleepiness. Akerstedt T, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug;54(2):220–6

Analysis of ultradian sleep rhythms in rats, using stage transition functions. Bari F, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):382–5

Nocturnal sleep organization during the first months of life. Navelet Y, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):71–8

Developmental comparison of sleep EEG power spectral patterns in infants at low and high risk for sudden death. Sterman MB, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):166–81

Pattern of plasma cortisol during the 24-hour sleep/wake cycle in the rhesus monkey. Quabbe HJ, et al. **Endocrinology** 1982 May;110(5):1641–6

Cognitive performance, sleep quality and mood during deep oxyhelium diving. Lewis VJ, et al. **Ergonomics** 1981 Oct; 24(10):773–93

Regulation of sleep after neonatal locus coeruleus lesion: functional evidence of beta-adrenergic supersensitivity. Lanfumey L, et al. **Eur J Pharmacol** 1982 Apr 23; 79(3–4):257–64

EEG power and coherence during non-REM and REM phases in humans in all-night sleep analyses. Dumermuth G, et al. **Eur Neurol** 1981;20(6):429–34

Changes in sensorimotor sleep spindle activity and seizure susceptibility after somatosensory deafferentation. Bowersox SS, et al. **Exp Neurol** 1981 Dec;74(3):814–28

Electrophysiological study of the perigeniculate region during natural sleep in the cat. Hirsch JC, et al. **Exp Neurol** 1982 Aug;77(2):436–54

Spinal reflexes and lateral geniculate nucleus activity during sleep: quantitative relationships. Pivik RT, et al. **Exp Neurol** 1982 Jul;77(1):142–62

Hibernation at moderate temperatures: a continuation of slow wave sleep. Walker JM, et al. **Experientia** 1981 Jul 15; 37(7):726–8

Relationship of fasting gastroduodenal motility to the sleep cycle. Finch PM, et al. **Gastroenterology** 1982 Sep; 83(3):605–12

Aspects of sleep, daytime vigilance, mental performance and psychotropic drug treatment in the elderly. Spiegel R. **Gerontology** 1982;28 Suppl 1:68–82 (27 ref.)

On quantitative analysis of periodicity in neonatal respiratory signals. Cohen A, et al. **IEEE Trans Biomed Eng** 1982 Jun; 29(6):469–72

Biogenic amine changes in human ventricular cerebrospinal fluid during sleep and wakeful states. Udayakumar MA, et al. **Indian J Med Res** 1982 Mar;75:428–34

Endogenous and exogenous components of circadian rhythms when living on a 21-hour day. Minors DS, et al. **Int J Chronobiol** 1981;8(1):31–48

Nocturnal electrographic features of frequently changing-irregular sleep-wakefulness rhythms. Taub JM. **Int J Neurosci** 1981;14(3–4):227–37

'White paper' on sleep and aging. Dement WC, et al. **J Am Geriatr Soc** 1982 Jan;30(1):25–50 (338 ref.)

Changes in the sleep and waking EEGs of nondemented and demented elderly subjects. Prinz PN, et al. **J Am Geriatr Soc** 1982 Feb;30(2):86–93

Maturation of ventilatory response to hypoxia in puppies during sleep. Haddad GG, et al. **J Appl Physiol** 1982 Feb; 52(2):309–14

Ventilatory adaptations to resistive loading during wakefulness and non-REM sleep. Iber C, et al. **J Appl Physiol** 1982 Mar;52(3):607–14

Hypoxic arousal in intact and carotid chemodenervated sleeping cats. Neubauer JA, et al. **J Appl Physiol** 1981 Nov; 51(5):1294–9

Changes in ventilation and chest wall mechanics during sleep in normal adolescents. Tabachnik E, et al. **J Appl Physiol** 1981 Sep;51(3):557–64

Effects of hypoglycaemia on ventilation and arousal responses to hypoxia, and newborn calves during active and quiet sleep. Jeffery HE, et al. **J Dev Physiol** 1981 Jun; 3(3):219–30

Sleep in older persons: sleep structures of 50- to 60-year-old men and women. Webb WB. **J Gerontol** 1982 Sep; 37(5):581–6

Electroencephalographic sleep in unipolar depressive subtypes: support for a biological and familial classification. Kupfer DJ, et al. **J Nerv Ment Dis** 1982 Aug;170(8):494–8

Membrane potential, synaptic activity, and excitability of hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Oct;46(4):839–54

Membrane resistance and rheobase of hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Nov;46(5):1076–88

Group I excitatory and inhibitory potentials in hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Nov;46(5):1089–101

Activity of norepinephrine-containing locus coeruleus neurons in behaving rats anticipates fluctuations in the sleep-waking cycle. Aston-Jones G, et al. **J Neurosci** 1981 Aug;1(8):876–86

Sleep duration and infant temperament. Weissbluth M. **J Pediatr** 1981 Nov;99(5):817–9

Sleep apnea, sleep duration, and infant temperament. Weissbluth M, et al. **J Pediatr** 1982 Aug;101(2):207–10

Behavioral and physiological correlates of brain serotoninergic unit activity. Jacobs BL, et al. **J Physiol (Paris)** 1981;77(2–3):431–6

Serotoninergic mechanisms and sleep. Puizillout JJ, et al. **J Physiol (Paris)** 1981;77(2–3):415–24 (122 ref.)

Erectile impotence: objective diagnosis from sleep-related erections (nocturnal penile tumescence) [editorial] Allen RP. **J Urol** 1981 Sep;126(3):353

Expansion without significant rigidity during nocturnal penile tumescence testing: a potential source of misinterpretation. Wein AJ, et al. **J Urol** 1981 Sep;126(3):343–4

Blood pressure during normal daily activities, sleep, and exercise. Comparison of values in normal and hypertensive subjects. Pickering TG, et al. **JAMA** 1982 Feb 19; 247(7):992–6

Catecholamines and the sleep-wake cycle. I. EEG and behavioral arousal. Monti JM. **Life Sci** 1982 Apr 5; 30(14):1145–57 (134 ref.)

The sleeping gut. Orr WC, et al. **Med Clin North Am** 1981 Nov;65(6):1359–76 (48 ref.)

The issue of sleep monitoring and SIDS. Franciosi RA. **Minn Med** 1981 Sep;64(9):550

Dangerous sleep: oxygen therapy for nocturnal hypoxemia [editorial] Block AJ. **N Engl J Med** 1982 Jan 21; 306(3):166–7

Nocturnal hypoxemia and associated electrocardiographic changes in patients with chronic obstructive airways disease. Tirlapur VG, et al. **N Engl J Med** 1982 Jan 21; 306(3):125–30

Local cerebral glucose utilization in non-rapid eye movement sleep. Kennedy C, et al. **Nature** 1982 May 27; 297(5864):325–7

Human body clocks and the timing of sleep. Winfree AT. **Nature** 1982 May 6;297(5861):23–7 (104 ref.)

Plasma melatonin levels and nocturnal transitions between sleep and wakefulness. Birkeland AJ. **Neuroendocrinology** 1982 Feb;34(2):126–31

Sleep organization in hypo- and hyperthyroid rats. Carpenter AC, et al. **Neuroendocrinology** 1982 Jun;34(6):438–43

Serum hormone levels during sleep and wakefulness in the immature female rat. Kimura F, et al. **Neuroendocrinology** 1981 Nov;33(5):276–83

Sleep and breathing disturbance secondary to nasal obstruction. Olsen KD, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):804–10

The effect of sleep state on active thermoregulation in the premature infant. Darnall RA Jr, et al. **Pediatr Res** 1982 Jul;16(7):512–4

Abnormal hypercarbic and hypoxic sleep arousal responses in Near-Miss SIDS infants. Hunt CE. **Pediatr Res** 1981 Nov;15(11):1462–4

Development of sleep-wake patterns and non-rapid eye movement sleep stages during the first six months of life in normal infants. Coons S, et al. **Pediatrics** 1982 Jun; 69(6):793–8

Sleep parameters and respiratory variables in 'near miss' sudden infant death syndrome infants. Guilleminault C, et al. **Pediatrics** 1981 Sep;68(3):354–60

Respiratory behavior in near-miss sudden infant death syndrome. Hodgman JE, et al. **Pediatrics** 1982 Jun; 69(6):785–92

Chloral hydrate and the carbon dioxide chemoreceptor response: a study of puppies and infants. Lees MH, et al. **Pediatrics** 1982 Sep;70(3):447–50

The dependence of onset and duration of sleep on th circadian rhythm of rectal temperature. Zulley J, et al. **Pflugers Arch** 1981 Oct;391(4):314–8

Effect of light deprivation on sleep in the rat. Corsi-Cabrera M, et al. **Physiol Behav** 1982 Mar;28(3):437–40

Arterial pressure and heart rate changes during natural sleep in rat. del Bo A, et al. **Physiol Behav** 1982 Mar;28(3):425–9

Acute ethanol effects on blood pH, PCO2, and PO2 in LS and SS mice. Gilliam DM, et al. **Physiol Behav** 1982 May; 28(5):879–83

Do benzodiazepine receptors play a role in sleep regulation? Studies with the benzodiazepine antagonist, 3-hydroxymethyl-beta-carboline (3-HMC). Mendelson WB, et al. **Prog Clin Biol Res** 1982;90:253–61

MHPG excretion and EEG sleep in primary depression. Kupfer DJ, et al. **Psychiatry Res** 1980 Oct;3(2):133–40

Plasma testosterone and sleep: relationship to sleep stage variables. Roffwarg HP, et al. **Psychosom Med** 1982 Mar; 44(1):73–84

Nocturnal myoclonus and nocturnal myoclonic activity in the normal population. Bixler EO, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):129–40

Neurological, psychological and polygraphic findings in sleep drunkenness. Roth B, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):209–22

Sleep is changed by blood sampling through an indwelling venous catheter. Adam K. **Sleep** 1982;5(2):154–8

Night sleep of patients with chronic ventilatory failure and age matched controls: number and duration of the EEG episodes of intervening wakefulness and drowsiness. Brezinova V, et al. **Sleep** 1982;5(2):123–30

Temporal distribution of sleep states, somatic activity, and autonomic activity during the first half year of life. Hoppenbrouwers T, et al. **Sleep** 1982;5(2):131–44

Energy expenditure and total sleep time: effect of physical exercise. Montgomery I, et al. **Sleep** 1982;5(2):159–68

Hypoxemia: a peril of sleep. Fulmer JD, et al. **South Med J** 1982 Jan;75(1):1–2

Studies of electrosleep on normal adults, insomniacs, and hypertensive patients. Nagata K, et al. **Tokushima J Exp Med** 1981 Dec;28(3–4):69–83

Mood and Sleep. I. Effects of the menstrual cycle. Cluydts R, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):193–7

[Vigilance, nonREM and REM sleep, and epileptic seizure. Four states or systems: formator-complex (author's transl)] Faber J, et al. **Cas Lek Cesk** 1981 Nov 5;120(44):1338–44 (Eng. Abstr.) (Cze)

[Sleep, sleep disorders and hypnotics] Rasmussen PT, et al. **Ugeskr Laeger** 1982 Feb 1;144(5):331–6 (Dan)

[The sleeping pattern of the woman at various stages of life] Buytaert G, et al. **Verh K Acad Geneeskd Belg** 1981; 43(6):389–446 (Dut)

[Contribution of the electrophysiological study of sleep in psychiatry (author's transl)] Schittecatte M, et al. **Acta Psychiatr Belg** 1981 Jan–Feb;81(1):85–97 (Eng. Abstr.) (Fre)

[Physiological and pharmacological study of the regulation of sleep in rats] Borbély AA. **Actual Pharmacol (Paris)** 1981; 33:91–104 (Fre)

[Local brain consumption of glucose during waking and slow wave sleep in the cat] Petitjean F, et al. **C R Seances Acad Sci [III]** 1981 Jun 29;292(23):1211–4 (Eng. Abstr.) (Fre)

[Realization of a system which permits automatic analysis of sleep of infants (2–12 months)] Samson-Dollfus D, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):573–80 (Eng. Abstr.) (Fre)

[Experimental hepatic encephalopathy. Study of nycthemeral organization of waking-sleep cycle in the rat with portacaval shunt (author's transl)] Beaubernard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):155–65 (Eng. Abstr.) (Fre)

[Intra-sleep awakenings in relation to habitual sleep length and modifications of the sleep-wake rhythms (author's transl)] Benoit O, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):89–95 (Eng. Abstr.) (Fre)

[All-night polygraphic recordings in the child with suspected epileptic seizures, in spite of normal routine and post-sleep deprivation EEGs (author's transl)] Billiard M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):450–6 (Eng. Abstr.) (Fre)

[Phasic suppression of muscle tonus during sleep in the course of development (author's transl)] Catani P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):400–6 (Eng. Abstr.) (Fre)

[Waking-sleeping transition in the newborn baby and in infants before the age of 3 months (author's transl)] Curzi-Dascalova L, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):1–10 (Eng. Abstr.) (Fre)

[Muscular contractions during sleep in children (author's transl)] Findji F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):51–8 (Eng. Abstr.) (Fre)

[Comparison of the waking EEG with the subjective impressions of the waking individual (author's trans)] Hedouin M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):110–5 (Eng. Abstr.) (Fre)

[Change in gas exchange in subjects suffering from chronic bronchitis and emphysema, during acute attacks of the disease, exercise and sleep] Flenley DC, et al. **Rev Fr Mal Respir** 1980;8(6):537–46 (Fre)

[Sleep and depression (author's transl)] Lairy GC. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):755–9 (Eng. Abstr.) (Fre)

[Normal and pathological variations of respiration during sleep] Montplaisir J, et al. **Union Med Can** 1982 Feb; 111(2):124–30 (Eng. Abstr.) (Fre)

[Mechanisms of falling asleep. (Possibility of drug therapy in sleep disorders--participation of monoaminergic and gabaergic systems in the sleep-waking cycle)] Stock G. **Arzneimittelforsch** 1981;Suppl 27:15–7 (Ger)

[Electromyographic study during sleep in checking the bite plates of patients with clinically demonstrated temporomandibular joint compression] Schubert R, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):310–3 (Eng. Abstr.) (Ger)

[Polygraphic studies in premature and newborn infants. Conclusions for therapy and prognosis] Dieterich E. **Fortschr Med** 1982 Mar 18;100(11):466–8 (Eng. Abstr.) (Ger)

[Sleep--the other life] Porcher H. **Med Klin** 1981 Aug 14; 76(17):460–7 (Ger)

[Hypoxemia during sleep] Flenley DC. **Prax Klin Pneumol** 1981 Nov;35(11):476–7 (Ger)

[Sleep deprivation and spontaneous sleep: a complex activation method in cases of suspected epilepsy] Clemens B, et al. **Orv Hetil** 1982 Feb 21;123(8):459–61 (Hun)

[Depression of responsivity of the preoptic region to repetitive electric stimulation during desynchronized sleep] Calasso M, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15; 57(15):1623–6 (Eng. Abstr.) (Ita)

[Respiration during sleep (author's transl)] Takasaki Y, et al. **Kokyu To Junkan** 1982 Feb;30(2):114–24 (53 ref.) (Jpn)

[Sleep in vegetative state patients and recuperated cases from vegetative states (author's transl)] Oka N, et al. **No Shinkei Geka** 1982 Feb 10;10(2):157–65 (Eng. Abstr.) (Jpn)

[Circulatory disturbance of Shy-Drager syndrome--nocturnal polygraphic study (author's transl)] Koike Y, et al. **Rinsho Shinkeigaku** 1981 Nov;21(11):944–51 (Eng. Abstr.) (Jpn)

[Sleepiness scale and an experimental approach (author's transl)] Ishihara K, et al. **Shinrigaku Kenkyu** 1982 Feb; 52(6):362–5 (Eng. Abstr.) (Jpn)

[The control mechanism of sleep-wakefulness rhythms (author's transl)] Ibuka N. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):246–58 (19 ref.) (Jpn)

[The central mechanisms of sex steroidal modification of sleep circadian rhythm (author's transl)] Yamaoka S. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):259–76 (40 ref.) (Jpn)

[EEG records in sleep in patients with endogenous depression (author's transl)] Ekiert H, et al. **Psychiatr Pol** 1981 May-Jun;15(3):261–9 (Eng. Abstr.) (Pol)

[Changes in the amount of ribosomes in cerebral cortical glia and neurons during sleep] Kogan AB, et al. **Dokl Akad Nauk SSSR** 1981;259(4):1009–11 (Rus)

[Characteristics of human sleep, diurnal periodicity of physiological functions and work capacity indices on the 1st day after a changeover from the usual to split alternation of sleep and wakefulness] Litsov AN. **Kosm Biol Aviakosm Med** 1981;15(3):22–5 (Eng. Abstr.) (Rus)

[Characteristics of human sleep, circadian periodicity of physiological functions and of work capacity indices in the 1st 24 hours after the transition from an altered to a usual sleep and wakefulness cycle] Litsov AN. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):8–13 (Eng. Abstr.) (Rus)

[Current concepts of the mechanisms of regulation and target function of sleep] Moiseeva NI. **Usp Fiziol Nauk** 1981 Jul-Sep;12(3):86–105 (197 ref.) (Rus)

[Autonomic functional state during sleep] Vlasov NA. **Usp Sovrem Biol** 1981 Jul-Aug;92(1):127–39 (158 ref.) (Rus)

[Features of the polygraphic picture of natural sleep in patients with subacute sclerosing panencephalitis] Iakhno NN, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):212–6 (Eng. Abstr.) (Rus)

[The thermal pulsation methods in studies on certain physiologic mechanisms of the brain stem] Likhtenshtein VA. **Zh Nevropatol Psikhiatr** 1982;82(5):44–50 (Eng. Abstr.) (Rus)

[Syndromic diversities in Creutzfeldt-Jakob disease: neurophysiological and histopathological correlates] Ferrer S, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):39–53 (Eng. Abstr.) (Spa)

SLEEP APNEA SYNDROMES

Sleep apnea syndromes. Chaudhary BA, et al. **South Med J** 1982 Jan;75(1):39–45 (57 ref.)

[Sleep-waking rhythm in children. II. Pathology] Benoit O. **Arch Fr Pediatr** 1981 Nov;38(9):713–9 (Fre)

[Respiratory pauses in nocturnal sleep of infants] Guilhaume A, et al. **Arch Fr Pediatr** 1981 Nov;38(9):673–7 (Eng. Abstr.) (Fre)

BLOOD

Effects of central apneas on transcutaneous PO2 in control subjects, siblings of victims of sudden infant death syndrome, and near miss infants. Kahn A, et al. **Pediatrics** 1982 Apr;69(4):413–8

CEREBROSPINAL FLUID

Cerebrospinal fluid adenosine 3',5'-monophosphate, 5-hydroxyindoleacetic acid and homovanillic acid in patients with sleep apnoea syndrome. Cramer H, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1165–7

COMPLICATIONS

Sleep and alveolar hypoventilation in myotonic dystrophy. Coccagna G, et al. **Acta Neurol Belg** 1982 May-Jun; 82(3):185–94

Breathing disorders in sleep associated with 'microarousals' in patients with allergic rhinitis. Lavie P, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5–6):529–33

Influence of sleep apnea on nocturnal arrhythmias in IHD [letter] Otsuka K, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):320–1

Disordered breathing during sleep in hypothyroidism. Skatrud J, et al. **Am Rev Respir Dis** 1981 Sep;124(3):325–9

Pulmonary edema as a presenting feature of sleep apnea syndrome. Chaudhary BA, et al. **Chest** 1982 Jul;82(1):122–4

Endoscopic findings in sleep apnea associated with acromegaly. Cadieux RJ, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):18–22

Bradycardia during sleep apnea. Characteristics and mechanism. Zwillich C, et al. **J Clin Invest** 1982 Jun; 69(6):1286–92

Nocturnal hypoxemia in patients with chronic obstructive airways disease [letter] **N Engl J Med** 1982 Jul 8; 307(2):123–4

Hypersomnia in manic–depressive illness: a case of sleep apnea. Blazer D. **NC Med J** 1981 Nov;42(11):781–2

[Hypersomnia – the sleep apnea syndrome] Ström C. **Ugeskr Laeger** 1982 Feb 1;144(5):297–301 (Eng. Abstr.) **(Dan)**

[Acromegaly and sleep apnea syndrome (author's transl)] Nicolino J, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep; 42(3):205–32 (Eng. Abstr.) **(Fre)**

[Sleep apneas and mental deterioration in the elderly subject (author's transl)] Billiard M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):290–6 (Eng. Abstr.) **(Fre)**

[Nycterohemeral variations in plasma growth hormone (GH) levels and sleep apnea syndromes: their relationship with obesity (author's transl)] Kurtz D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):366–75 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

The detection and quantification of sleep apnea by tracheal sound recordings. Cummiskey J, et al. **Am Rev Respir Dis** 1982 Aug;126(2):221–4

A simple pneumotachograph for qualitative monitoring of respiration and detection of apnea. Muspratt S. **Am Rev Respir Dis** 1981 Nov;124(5):650–1

Polysomnography: some difficult questions. Block AJ. **Ann Intern Med** 1981 Nov;95(5):644–5

New methods to separate artifacts from normal and defective breathing patterns in different sleep–states, if infants are monitored at home. Jeffery H, et al. **Aust NZ J Med** 1981 Aug;11(4):406–11

Tracheal breath sounds for detection of apnea in infants and children. Beckerman RC, et al. **Crit Care Med** 1982 Jun; 10(6):363–6

Pulmonary artery pressure and wedge pressure in sleep–induced apnea [letter] Szám I. **Int J Cardiol** 1982; 1(3–4):332–3

Sleep–related breathing disorders in elderly adults [letter] Carskadon MA, et al. **J Gerontol** 1982 Sep;37(5):637

Respiration during sleep in the aged human [letter] Kreiger J, et al. **J Gerontol** 1982 Sep;37(5):637

Prevalence of sleep apnea and nocturnal myoclonus in major affective disorders: clinical and polysomnographic findings. Reynolds CF 3d, et al. **J Nerv Ment Dis** 1982 Sep; 170(9):565–7

A review of 50 children with obstructive sleep apnea syndrome. Guilleminault C, et al. **Lung** 1981;159(5):275–87

Possible hazard of sleep–apnoea monitoring in infants [letter] Glow PH, et al. **Med J Aust** 1981 Aug 22;2(4):205–6

Home monitoring of infant apnoea [letter] Harding GH. **Med J Aust** 1982 Jun 12;1(12):495–6

Snoring, sleepiness and the obstructive sleep apnea syndrome. Walsh JK, et al. **Mo Med** 1982 Jan;79(1):21–3, 26

Sleep parameters and respiratory variables in 'near miss' sudden infant death syndrome infants. Guilleminault C, et al. **Pediatrics** 1981 Sep;68(3):354–60

Periodic apnea in the full–term infant: individual consistency, sex differences, and state specificity. Waite SP, et al. **Pediatrics** 1982 Jul;70(1):79–86

Sleep apnea and nocturnal myoclonus in a senior population. Ancoli–Israel S, et al. **Sleep** 1981;4(4):349–58

Behavior manifestations of sleep apnea in children [letter] Brown SL, et al. **Sleep** 1982;5(2):200–1

[Normal and pathological variations of respiration during sleep] Montplaisir J, et al. **Union Med Can** 1982 Feb; 111(2):124–30 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Almitrine and sleep apnea [letter] Krieger J, et al. **Lancet** 1982 Jul 24;2(8291):210

Almitrine a promising new drug for sleep hypoxia [letter] Stanley NN. **Lancet** 1981 Nov 14;2(8255):1105–6

Protriptyline in the treatment of sleep apnoea. Conway WA, et al. **Thorax** 1982 Jan;37(1):49–53

ETIOLOGY

Disturbed sleep and prolonged apnea during nasal obstruction in normal men [letter] Houston D, et al. **Am Rev Respir Dis** 1982 Apr;125(4):484–5

Pathogenesis of apneas in hypersomnia–sleep apnea syndrome. Onal E, et al. **Am Rev Respir Dis** 1982 Feb; 125(2):167–74

Sleep apnoea in acute bronchiolitis. Abreu e Silva FA, et al. **Arch Dis Child** 1982 Jun;57(6):467–72

Excessive daytime sleepiness and insomnia. Lavie P, et al. **Arch Otolaryngol** 1982 Jun;108(6):373–7

Irradiation–induced fibrosis of the neck and sleep apnea. Polnitsky CA, et al. **Arch Otolaryngol** 1981 Oct; 107(10):629–30

Obstructive sleep apnoea syndrome. James DR, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):736

Obstructive sleep apnoea syndrome [editorial] Stradling JR. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):528–30

The effect of weight loss on sleep–disordered breathing and oxygen desaturation in morbidly obese men. Harman EM, et al. **Chest** 1982 Sep;82(3):291–4

Alveolar hypoventilation and cor pulmonale associated with chronic airway obstruction in infants with Down syndrome. Levine OR, et al. **Clin Pediatr (Phila)** 1982 Jan; 21(1):25–9

Sleep apnea syndromes: mechanisms and therapy. Gee JB, et al. **Compr Ther** 1981 Nov;7(11):52–7

Obstructive sleep apnea in infants and children. Brouillette RT, et al. **J Pediatr** 1982 Jan;100(1):31–40

Mandibular Retrognathia and sleep apnea [letter] Berger RM. **JAMA** 1982 Apr 23;247(16):2234

Endorphins, ventilatory control and sudden infant death syndrome—a review and synthesis. Kuich TE, et al. **Med Hypotheses** 1981 Oct;7(10):1231–40 (52 ref.)

Sleep apnea syndrome caused by acromegalia and the treatment with a reduction plasty of the tongue. Case report. Afzelius LE, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(3):142–5

Sleep apnea syndrome associated with a neck mass. Koopmann CF Jr, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):949–52

Surgically correctable causes of sleep apnea syndrome. Olsen KD, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):726–31

Sleep and breathing disturbance secondary to nasal obstruction. Olsen KD, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):804–10

Sleep disorders associated with upper airway obstruction in children. Mandel EM, et al. **Pediatr Clin North Am** 1981 Nov;28(4):897–903

Reflex apnea from laryngeal chemo–stimulation in the sleeping premature newborn lamb. Marchal F, et al. **Pediatr Res** 1982 Aug;16(8):621–7

An animal model for airway sensory deprivation producing obstructive apnea with postmortem findings of sudden infant death syndrome. Abu–Osba YK, et al. **Pediatrics** 1981 Dec;68(6):796–801

Sleep apnea in mandibular hypoplasia. Puckett CL, et al. **Plast Reconstr Surg** 1982 Aug;70(2):213–6

Sleep apnoea occurring only in REM (possible relevance of the case for some cot deaths). Beary MD, et al. **Postgrad Med J** 1982 Apr;58(678):235–6

The impact of autonomic nervous system dysfunction on breathing during sleep. Guilleminault C, et al. **Sleep** 1981 Sep;4(3):263–78

Obstructive sleep apnea after lateral medullary syndrome. Chaudhary BA, et al. **South Med J** 1982 Jan;75(1):65–7

Sleep apnoea syndrome caused by neurofibromatosis and superior vena caval obstruction. Stradling JR, et al. **Thorax** 1981 Aug;36(8):634–5

[Sleep–apnea syndrome] Fourneau AF, et al. **Acta Otorhinolaryngol Belg** 1981;35(2):155–60 (Eng. Abstr.) **(Fre)**

[Amyotrophic lateral sclerosis disclosed by an apnea–hypersomnia syndrome (letter)] Meyrignac C, et al. **Nouv Presse Med** 1982 May 1;11(20):1569 **(Fre)**

[A case of hypersomnia with sleep apnea in olfactory groove meningioma (author's transl)] Hirasawa H, et al. **No To Shinkei** 1981 Oct;33(10):1013–20 (Eng. Abstr.) **(Jpn)**

[Nocturnal apnea as first manifestation of acromegaly (letter)] Tresánchez Trías JM, et al. **Med Clin (Barc)** 1981 Nov 10;77(8):343 **(Spa)**

[Airway obstruction in sleeping children caused by tonsillar hyperplasia] Lind M, et al. **Lakartidningen** 1981 Aug 26; 78(35):2947–50 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

Incidence of apnea in siblings of sudden infant death syndrome victims studied at home. Kelly DH, et al. **Pediatrics** 1982 Jul;70(1):128–31

OCCURRENCE

Sleep apnoea [letter] Cooper R, et al. **Lancet** 1981 Oct 17; 2(8251):873

Is sleep apnoea more common in North America? [letter] McNicholas WT, et al. **Lancet** 1982 Feb 20;1(8269):458

Sleep apneic activity in a normal population. Bixler EO, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):141–52

Sleep apnea in a senior population [letter] Krieger J, et al. **Sleep** 1982;5(2):200

PATHOLOGY

The pathologist and the sudden infant death syndrome. Valdes–Dapena M. **Am J Pathol** 1982 Jan;106(1):118–31

[Sudden child death in pulmonary hypertension as a result of chronic nightly hypoventilation] Wilske J, et al. **Beitr Gerichtl Med** 1981;39:429–35 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Upper airway obstruction during sleep in a child. A polygraphic study. Aubert–Tulkens G, et al. **Acta Paediatr Belg** 1981 Jul–Sep;34(3):165–70

Periodic breathing in infants with histories of prolonged apnea. Moore SE, et al. **Am J Dis Child** 1981 Nov; 135(11):1029–31

Effect of flurazepam on sleep–disordered breathing and nocturnal oxygen desaturation in asymptomatic subjects. Dolly FR, et al. **Am J Med** 1982 Aug;73(2):239–43

Sleep–related breathing disorders. McCoy KS, et al. **Am J Otolaryngol** 1981 Aug;2(3):228–39 (72 ref.)

Regulation of ventilation in the obstructive sleep apnea syndrome. Garay SM, et al. **Am Rev Respir Dis** 1981 Oct; 124(4):451–7

Abnormal inspiratory flow–volume curves in patients with sleep–disordered breathing. Haponik EF, et al. **Am Rev Respir Dis** 1981 Nov;124(5):571–4

Brainstem auditory evoked potentials in adult and infant sleep apnea syndromes, including sudden infant death syndrome and near–miss for sudden infant death. Stockard JJ. **Ann NY Acad Sci** 1982;388:443–65

The maturation of respiratory patterns in normal full term infants during the first six postnatal months. II: Sleep states and apnoea. Adamson TM, et al. **Aust Paediatr J** 1981 Dec; 17(4):257–61

Respiratory disturbances during sleep. Remmers JE, et al. **Clin Chest Med** 1980 Jan;1(1):57–71 (24 ref.)

Sleep–onset REM sleep: comparison of narcoleptic and obstructive sleep apnea patients. Walsh JK, et al. **Clin Electroencephalogr** 1982 Jan;13(1):57–60

Influence of the vagus nerve on changes in heart rate during sleep apnoea in man. Meanock CI. **Clin Sci** 1982 Feb; 62(2):163–7

Respiratory pauses and apnea during daytime sleep in normal infants during the first year of life: longitudinal observations. Ellingson RJ, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):48–59

Abnormalities of pulmonary artery wedge pressures in sleep–induced apnea. Buda AJ, et al. **Int J Cardiol** 1981; 1(1):67–74

Of Pickwick and Ondine. Keelan P. **Ir Med J** 1981 Nov; 74(11):339–40

Apneic and nonapneic breathing disorders in sleep. Lavie P, et al. **Isr J Med Sci** 1982 Apr;18(4):523–33

Oscillatory breathing patterns leading to apneic spells in infants. Waggener TB, et al. **J Appl Physiol** 1982 May; 52(5):1288–95

Primary sleep apnoea syndrome. Chokroverty S, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov;44(11):970–82

Alcohol, snoring and sleep apnea. Issa FG, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr;45(4):353–9

Sleep apnea, sleep duration, and infant temperament. Weissbluth M, et al. **J Pediatr** 1982 Aug;101(2):307–10

To sleep, perchance to breathe... [editorial] **Lancet** 1981 Sep 26;2(8248):670–2

Synchronous video recording of the pharyngeal airway and polysomnograph in patients with obstructive sleep apnea. Rojewski TE, et al. **Laryngoscope** 1982 Mar;92(3):246–50

Sleep–related apneic and apneustic breathing following pneumotaxic lesion and vagotomy. Baker TL, et al. **Respir Physiol** 1981 Dec;46(3):271–94

Across–night lengthening of sleep apneic episodes. Lavie P, et al. **Sleep** 1981 Sep;4(3):279–82

Effects of increased inspired oxygen and carbon dioxide on periodic breathing during sleep. Gothe B, et al. **Trans Assoc Am Physicians** 1981;94:134–43

RADIOGRAPHY

Somnofluoroscopy. Fodor J 3d, et al. **Radiol Technol** 1981 Sep–Oct;53(2):105–9

SURGERY

Progressive improvement of apnea index and ventilatory response to CO2 after tracheostomy in obstructive sleep apnea syndrome. Guilleminault C, et al. **Am Rev Respir Dis** 1982 Jul;126(1):14–20

Avoidance of tracheostomy in sleep apnoea syndrome. Stradling JR. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):407–8

Surgical correction of anatomic azbnormalities in obstructive sleep apnea syndrome: uvulopalatopharyngoplasty. Fujita S, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):923–34

THERAPY

Beneficial effect of oxygen in primary alveolar hypoventilation with central sleep apnea. McNicholas WT, et al. **Am Rev Respir Dis** 1982 Jun;125(6):773–5

Acute and long–term ventilatory effects of hyperoxia in the adult sleep apnea syndrome. Martin RJ, et al. **Am Rev Respir Dis** 1982 Feb;125(2):175–80

Obstructive apnea and paradoxical rib cage movements induced by diaphragm pacing: a probable mechanism and suggestions for treatment [letter] Trenchard D, et al. **Am Rev Respir Dis** 1982 Jun;125(6):784–5

Surgically correctable sleep apnea [letter] Darwish H. **Can Med Assoc J** 1982 Jan 15;126(2):118–9

A new adult tracheal button in the management of a near drowning victim. Stene JF, et al. **Heart Lung** 1982 Jul–Aug; 11(4):299–301

Tracheotomy in longterm management of sleep apnea. Dayal VS, et al. **J Otolaryngol** 1981 Aug;10(4):273–7

The effects of a nonsurgical treatment for obstructive sleep apnea. The tongue–retaining device. Cartwright RD, et al. **JAMA** 1982 Aug 13;248(6):705–9

Daytime drowsiness [letter] Tirlapur VG, et al. **Lancet** 1982 Jan 16;1(8264):163–4

Obstructive sleep apnea [letter] Afzelius LE. **N Engl J Med** 1981 Dec 10;305(24):1472

Reversal of the 'Pickwickian syndrome' by long–term use

of nocturnal nasal-airway pressure. Rapoport DM, et al. **N Engl J Med** 1982 Oct 7;307(15):931-3
Effects of respiratory gases on the frequency and duration of obstructive apneic episodes in a patient with the sleep apnea-hypersomnolence syndrome. Kuna S, et al. **Respiration** 1982;43(2):108-13
[3-years' domiciliary respirator therapy in idiopathic hypoventilation syndrome (ondine's curse syndrome) (author's transl)] Riegler R, et al. **Anasth Intensivther Notfallmed** 1981 Oct;16(5):247-50 (Eng. Abstr.) **(Ger)**

SLEEP DEPRIVATION

The sleep of artificially reared newborn rats, effect of alpha-methyl-DOPA treatment on paradoxical sleep and on adult behaviour. Juvancz P. **Acta Physiol Acad Sci Hung** 1981;57(1):87-98
Maintenance of therapeutic effects of total sleep deprivation by limitation of subsequent sleep. A pilot study. van Bemmel AL, et al. **Acta Psychiatr Scand** 1981 May; 63(5):453-62
Effect of sleep deprivation on brain serotonin in the rat. Borbély AA, et al. **Behav Brain Res** 1980 Apr;1(2):205-10
Quipazine has a biphasic effect on slow wave sleep and reduces REM sleep rebound in REM sleep deprived rats. Zak R, et al. **Brain Res Bull** 1982 Mar;8(3):329-31
Sleep deprivation: outcome of controlled single case studies of depressed patients. Knowles JB, et al. **Can J Psychiatry** 1981 Aug;26(5):330-3
Performance deficits following short-term partial sleep deprivation and subsequent recovery oversleeping. Herscovitch J, et al. **Can J Psychol** 1981 Dec;35(4):309-22
Circadian rhythms (temperature, heart rate, vigilance, mood) of short and long sleepers: effects of sleep deprivation Benoit O, et al. **Chronobiologia** 1981 Oct-Dec;8(4):341-50
Changes in neurotransmitters and related enzymes in rat brain after total sleep deprivation. Toru M. **Encephale** 1982; 8(2):319-22
The persistence of hyperresponsiveness to apomorphine in rats following REM sleep deprivation and the influence of housing conditions. Dallmeier Zelger K, et al. **Eur J Pharmacol** 1982 May 7;80(1):99-104
Sleep deprivation in graduate medical education [editorial] Davis RM. **IMJ** 1981 Sep;160(3):146-9
Exercise after sleep deprivation. Martin BJ, et al. **Med Sci Sports Exerc** 1981;13(4):220-3
Negative transfer abolished by REM sleep deprivation in rats. Pearlman CA. **Physiol Behav** 1982 Jan;28(1):73-5
Motor reactivity, pain threshold and effects of sleep deprivation in unipolar depressives. Bezzi G, et al. **Psychiatr Clin (Basel)** 1981;14(3):150-60
Effects of sleep deprivation on depressed patients of different nosological groups. Fähndrich E. **Psychiatry Res** 1981 Dec; 5(3):277-85
Dexamethasone nonsuppression predicts the antidepressant effects of sleep deprivation. Nasrallah HA, et al. **Psychiatry Res** 1982 Feb;6(1):61-64
Sleep deprivation: effects on circadian rhythms of rat brain neurotransmitter receptors. Wirz-Justice A, et al. **Psychiatry Res** 1981 Aug;5(1):67-76
RNA and protein content of brain stem cells after sleep deprivation. Panov A. **Riv Biol** 1982 Spring;75(1):95-9
Diurnal rhythm of axillary temperature in long and short sleepers: effects of sleep deprivation and sleep displacement. Benoit O, et al. **Sleep** 1981;4(4):359-65
[Sleep deprivation treatment in Denmark] Christensen PH, et al. **Ugeskr Laeger** 1981 Jun 29;143(27):1727-9 (Eng. Abstr.) **(Dan)**
[Biological foundations for the use of sleep privation in the treatment of depression (author's transl)] Mouret J. **Encephale** 1982;8(2):229-55 (Eng. Abstr.) **(Fre)**
[Sleep deprivation therapy of depressive syndromes in schizophrenic disorders (author's transl)] Fähndrich E. **Nervenarzt** 1982 May;53(5):279-93 **(Ger)**
[Antidepressive effect of partial sleep deprivation during the 1st half of the night] Goetze U, et al. **Psychiatr Clin (Basel)** 1981;14(3):129-49 (Eng. Abstr.) **(Ger)**
[Effects of sleep-deprivation on the mood of phasic depressive and healthy subjects; an empirical study (author's transl)] Bühler KE, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):309-22 **(Ger)**
[Sleep deprivation and spontaneous sleep: a complex activation method in cases of suspected epilepsy] Clemens B, et al. **Orv Hetil** 1982 Feb 21;123(8):459-61 **(Hun)**
[Respiration of cerebral synaptosomes of rats deprived of the paradoxical stage of sleep and exposed to depolarization] Nilova NS. **Fiziol Zh SSSR** 1981 Sep; 67(9):1324-8 (Eng. Abstr.) **(Rus)**
[Effect of phenazepam and barbamyl on normalization of the sulfhydryl group content of brain tissue following sleep deprivation] Panov AN, et al. **Fiziol Zh SSSR** 1981 Jul; 67(7):978-82 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Sleep deprivation and cortisol secretion [letter] Arató M, et al. **Am J Psychiatry** 1982 Jan;139(1):135
Effects of dihydroergotoxine methane sulphonate (Redergine) on sleep in cats deprived of paradoxical sleep. Sušić V, et al. **Arch Int Physiol Biochim** 1981 Dec; 89(5):411-5
Sleep stage responses of older and younger subjects after sleep deprivation. Webb WB. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):368-71
Sleep loss, recovery sleep, and military performance. Haslam DR. **Ergonomics** 1982 Feb;25(2):163-78
Self-selected exercise intensity is unchanged by sleep loss. Martin B, et al. **Eur J Applied Physiol** 1982;49(1):79-86
Effect of sleep deprivation on tolerance of prolonged exercise. Martin BJ. **Eur J Applied Physiol** 1981; 47(4):345-54
Effects of sleep deprivation on the activity of selected metabolic enzymes in skeletal muscle. Vondra K, et al. **Eur J Applied Physiol** 1981;47(1):41-6
Increased responsiveness to apomorphine after REM sleep deprivation: supersensitivity of dopamine receptors or increase in dopamine turnover? Tufik S. **J Pharm Pharmacol** 1981 Nov;33(11):732-8
Sleep deprivation and physical fitness in young and older subjects. Webb WB, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):198-202
REM sleep deprivation changes behavioral response to catecholaminergic and serotonergic receptor activation in rats. Mogilnicka E. **Pharmacol Biochem Behav** 1981 Jul; 15(1):149-51
Paradoxical sleep deprivation and locomotor activity in rats. van Hulzen ZJ, et al. **Physiol Behav** 1981 Oct;27(4):741-4
Selective increase in brain dopamine metabolism during REM sleep rebound in the rat. Wojcik WJ, et al. **Physiol Behav** 1981 Aug;27(2):305-12
Age, sleep deprivation, and performance. Webb WB, et al. **Psychophysiology** 1982 May;19(3):272-6
Sleep loss in young adolescents. Carskadon MA, et al. **Sleep** 1981 Sep;4(3):299-312
Sleep regulation after reduction of brain serotonin: effect of p-chlorophenylalanine combined with sleep deprivation in the rat. Tobler I, et al. **Sleep** 1982;5(2):145-53
[Activating effect of sleep deprivation on paroxysmal activity in various types of epilepsy] Zouhar A, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):210-6 (Eng. Abstr.) **(Cze)**
[Effect of sleep deprivation on the diurnal rhythm of urinary excretion of calcium and phosphorus] Kuhn E, et al. **Vnitr Lek** 1982 Jan;28(1):10-4 (Eng. Abstr.) **(Cze)**
[Sleep disturbance caused by noise] Vallet M. **Soz Praventivmed** 1982 May;27(2-3):124-31 (Eng. Abstr.) **(Fre)**
[Studies on the function of maintaining concentration (TAF)--evaluation of clinical symptoms (author's transl)] Watanabe H. **Hokkaido Igaku Zasshi** 1981 Nov; 56(6):627-42 (Eng. Abstr.) **(Jpn)**
[Concentration of nucleic acids and proteins in neurons and gliocytes of rat raphe nuclei following total sleep deprivation in a cylindrical treadmill] Malikov UM, et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1506-10 (Eng. Abstr.) **(Rus)**
[Nucleic acid and protein content of cells of the raphe nuclei of the rat brain when the animals are deprived of the paradoxical sleep phase] Panov AN, et al. **Tsitologiia** 1981 Dec;23(12):1381-5 (Eng. Abstr.) **(Rus)**

SLEEP DISORDERS

'White paper' on sleep and aging. Dement WC, et al. **J Am Geriatr Soc** 1982 Jan;30(1):25-50 (338 ref.)
Sleep paralysis and nocturnal seizure disorder [letter] Schneck JM. **JAMA** 1982 Jan 15;247(3):303
[Sleep and consciousness disorders--a new medical specialty] Roth B. **Cas Lek Cesk** 1981 Sep 17;120(37):1123-4 **(Cze)**
[Sleep-waking rhythm in children. II. Pathology] Benoit O. **Arch Fr Pediatr** 1981 Nov;38(9):713-9 **(Fre)**

CHEMICALLY INDUCED

Cimetidine and prolonged post-operative somnolence. Lam AM, et al. **Can Anaesth Soc J** 1981 Sep;28(5):450-2
Neurochemical correlates of sleep disorder of rats administered with methylmercury chloride. Sudo A, et al. **Ind Health** 1982;20(1):67-70

CLASSIFICATION

[Classification of states of excessive sleepiness (author's transl)] Roth B. **Cesk Psychiatr** 1982 Feb;78(1):32-41 (Eng. Abstr.) **(Cze)**

COMPLICATIONS

Sleep and alveolar hypoventilation in myotonic dystrophy. Coccagna G, et al. **Acta Neurol Belg** 1982 May-Jun; 82(3):185-94
EEG sleep in primary depression. A longitudinal placebo study. Coble PA, et al. **J Affective Disord** 1979 Jun; 1(2):131-8
Hypersomnia in manic-depressive illness: a case of sleep apnea. Blazer D. **NC Med J** 1981 Nov;42(11):781-2
Fibromyalgia or the fibrositis syndrome: a new look. Treadwell BL. **NZ Med J** 1981 Dec 2?;94(698):457-9
[Sleep stage IV deficit in psychosocial dwarfism (author's transl)] Guilhaume A, et al. **Ann Med Interne (Paris)** 1982; 133(4):272-5 **(Fre)**
[Changes in sleep pattern in presenile and senile dementia (author's transl)] Michel B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):283-9 (Eng. Abstr.) **(Fre)**
[A polygraphic study on nocturnal sleep of patients with spino-cerebellar degeneration--a comparative study of Marie's ataxia and OPCA (author's transl)] Kazukawa S. **Seishin Shinkeigaku Zasshi** 1982;84(3):135-61 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Sleep disorders. Walsleben J. **Am J Nurs** 1982 Jun; 82(6):936-40
Benign neonatal sleep myoclonus. Coulter DL, et al. **Arch Neurol** 1982 Mar;39(3):191-2
Grand rounds in critical care: problems with sleep. Williams RL, et al. **Heart Lung** 1982 May-Jun;11(3):262-7
Sleep abnormalities in four cases of dyssynergia cerebellaris myoclonica of Ramsay-Hunt. Benassi E, et al. **Ital J Neurol Sci** 1981 May;2(2):159-63
Nocturnal epilepsy masquerading as a behavioral problem in childhood. Davies SM. **J Fam Pract** 1982 Aug; 15(2):267-9
Sleep and daytime sleepiness in the elderly. Carskadon MA, et al. **J Geriatr Psychiatry** 1980;13(2):135-51
Insomnia and sleep disturbances in the aged. Greenberg R. **J Geriatr Psychiatry** 1980;13(2):131-4
Insomnia and sleep disturbances in the aged. Greenberg R. **J Geriatr Psychiatry** 1980;13(2):173-4
Validity of the Missouri Children's Picture Series as a predictor of childhood sleep disturbances. Dollinger SJ, et al. **J Pers Assess** 1981 Oct;45(5):526-32
Sleep-wake disorders based on a polysomnographic diagnosis. A national cooperative study. Coleman RM, et al. **JAMA** 1982 Feb 19;247(7):997-1003
Sleep disorders. Part I: Normal sleep and the diagnosis of sleep dysfunctions. Walker JI. **NC Med J** 1981 Nov; 42(11):783-5
Comparisons of home sleep recordings and polysomnograms in older adults with sleep disorders. Ancoli-Israel S, et al. **Sleep** 1981 Sep;4(3):283-91
[Clinical picture of periodic hypersomina] Roth B, et al. **Cesk Neurol Neurochir** 1982 Jan;45(1):15-24 (Eng. Abstr.) **(Cze)**
[The periodic hypersomnia and megaphagia syndrome in a young female, correlated with menstrual cycle (author's transl)] Papy JJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):54-61 (16 ref.) (Eng. Abstr.) **(Fre)**
[Sleep disorder in infancy (author's transl)] Eggers C. **Monatsschr Kinderheilkd** 1982 Mar;130(3):126-30 (Eng. Abstr.) **(Ger)**
[Night sleep in patients with the alcohol abstinence syndrome against a background of detoxification therapy] Danilin VP, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1711-4 (Eng. Abstr.) **(Rus)**
[Sleep disorders in the Unverricht-Lundborg myoclonic epilepsy syndrome] Iakhno NN. **Zh Nevropatol Psikhiatr** 1982;82(6):66-73 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Serotoninergic agents in the treatment of isolated sleep paralysis. Snyder S, et al. **Am J Psychiatry** 1982 Sep; 139(9):1202-3
Evaluation of flurazepam and placebo on sleep disorders in childhood. Reimão R, et al. **Arq Neuropsiquiatr** 1982 Mar; 40(1):1-13
Evaluation of efficacy and safety of midazolam administered orally in sleep disorders. A dose-finding study. Lupolover R, et al. **Arzneimittelforsch** 1981;31(12a):2281-3
Effects of arginine vasotocin on REM sleep in narcoleptics and in symptomatic hypersomniacs. Popoviciu L, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):325-8
Sleep disorders: coping with a waking nightmare. Gambert SR, et al. **Geriatrics** 1981 Sep;36(9):61-4, 66
Temazepam versus nitrazepam: a comparative trial in the treatment of sleep disturbances. Frithz G, et al. **J Int Med Res** 1981;9(5):338-42
Traffic noise-induced sleep disturbances and their correction by an anxiolytic sedative, OX-373. Saletu B, et al. **Neuropsychobiology** 1981;7(6):302-14
Benzodiazepine hypnotics: kinetic and therapeutic options. Greenblatt DJ, et al. **Sleep** 1982;5 Suppl 1:S18-27
Age-specific doses of lormetazepam as a night sedative in cases of chronic sleep disturbance. Jovanović UJ, et al. **Waking Sleeping** 1980 Jul-Sep;4(3):223-35
[Sleep, sleep disorders and hypnotics] Rasmussen PT, et al. **Ugeskr Laeger** 1982 Feb 1;144(5):331-6 **(Dan)**
[Clinical study of lormetazepam (WY-4082) in patients at a geriatric hospital] Bruwier M. **Rev Med Liege** 1981 Nov 15;36(22):819-24 **(Fre)**
[Mechanisms of falling asleep. (Possibility of drug therapy in sleep disorders--participation of monoaminergic and gabaergic systems in the sleep-waking cycle)] Stock G. **Arzneimittelforsch** 1981;Suppl 27:15-7 **(Ger)**
[Drug therapy of sleep disorders in shift workers] Sastre-y-Hernández M, et al. **Med Klin [Prax]** 1982 Apr 9;77(8):52-5 (Eng. Abstr.) **(Ger)**
[Comparison of lormetazepam, flunitrazepam and placebo in a long-term effect and long-term tolerance study in 105 patients with chronic sleep disorders] Fernández Labriola

R, et al. **ZFA (Stuttgart)** 1981 Aug 31;57(24):1626–32 **(Ger)**

[Effect of psychotropic drugs on sleep disorders in rats during alcohol withdrawal] Burov IuV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):689–91 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Disturbed sleep and prolonged apnea during nasal obstruction in normal men [letter] Houston D. et al. **Am Rev Respir Dis** 1982 Apr;125(4):484–5

Unilateral dopamine deficit and lateral eeg asymmetry: sleep abnormalities in hemi-Parkinson's patients. Myslobodsky M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):227–31

Sleep and dreaming disturbances in closed head injury patients. Prigatano GP, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):78–80

Infants who do not sleep through the night. Schmitt BD. **JDBP** 1981 Mar;2(1):20–3

Association of the domestic set-up with sleeping difficulties in children under three years of age. Campbell K. **Med J Aust** 1981 Sep 5;2(5):254–5

Sleep disorders. Part III: insomnias and parasomnias. Walker JI. **NC Med J** 1982 Jan;43(1):26–9

Sleep disorders. Part II: Disorders of excessive somnolence. Walker JI. **NC Med J** 1981 Dec;42(12):854–7

Gangliocytoma of third ventricle: hyperphagia, somnolence, and dementia. Beal MF, et al. **Neurology (NY)** 1981 Oct; 31(10):1224–8

Hypersomnia associated with alveolar hypoventilation in myotonic dystrophy. Hansotia P, et al. **Neurology (NY)** 1981 Oct;31(10):1336–7

Sleep and breathing disturbance secondary to nasal obstruction. Olsen KD, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):804–10

Nocturnal angina and sleep. Cassano GB, et al. **Prog Neuropsychopharmacol** 1981;5(1):99–104

Episodic sleep disorder triggered by fever—a case presentation. Vela Bueno A, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):243–51

[Hypersomnia – the sleep apnea syndrome] Aström C. **Ugeskr Laeger** 1982 Feb 1;144(5):297–301 (Eng. Abstr.) **(Dan)**

[Sleep disorders in patients with chronic renal insufficiency in long-term hemodialysis treatment] Strub B, et al. **Schweiz Med Wochenschr** 1982 Jun 5;112(23):824–8 (Eng. Abstr.) **(Ger)**

[Sleep disorders–etiology and treatment] Kemper FH, et al. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1668–75 **(Ger)**

[Research on changes in sleep habits in ischemic coronary disease] Ferioli M. **Minerva Cardioangiol** 1982 Apr; 30(4):185–8 (Eng. Abstr.) **(Ita)**

[The questionnaire findings on sleep modifications in the aged] De Vanna M, et al. **Minerva Psichiatr** 1982 Jan–Mar; 23(1):9–20 (Eng. Abstr.) **(Ita)**

[A case of hypersomnia with sleep apnea in olfactory groove meningioma (author's transl)] Hirasawa H, et al. **No To Shinkei** 1981 Oct;33(10):1013–20 (Eng. Abstr.) **(Jpn)**

[Hypersomnic syndrome in circulatory disorders of the oral portions of the brain stem (clinico-morphologic observations)] Kozlova EN, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1000–6 (Eng. Abstr.) **(Rus)**

HISTORY

'Mater puerorum'. A medieval naming for an enigmatic children's disease. Kottek SS. **Eur J Pediatr** 1981 Sep; 137(1):75–9

OCCURRENCE

[Enuresis and other parasomnias in normal persons] Dezsa L, et al. **Rev Neuropsiquiatr** 1979 Sep–Dec;42(3–4):174–84 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Vogt-Koyanagi-Harada syndrome. Clinical and neuropathological report of a case. Alema G, et al. **Acta Neurol (Napoli)** 1981 Oct;36(5):680–6

[Kleine-Levin syndrome—a case contribution] Greger J, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1003–5 **(Ger)**

PHYSIOPATHOLOGY

Application of the multiple sleep latency test in disorders of excessive sleepiness. Reynolds CF 3d, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):443–52

Disturbances in diurnal rhythms following a night of reduced sleep. Taub JM. **Int J Neurosci** 1981;14(3–4):239–45

Day-time drowsiness. Parkes JD. **Lancet** 1981 Nov 28; 2(8257):1213–8

Sleep and temporal lobe epilepsy: a case study with depth electrodes. Montplaisir J, et al. **Neurology (NY)** 1981 Oct; 31(10):1352–6

[Intra-sleep awakenings in poor sleepers, 20 to 30 years of age. Correlation with anxiety level and personality (author's transl)] Goldenberg F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):102–9 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Depression: variability of intrapsychic aspects and of sleep parameters. Greenberg R, et al. **J Geriatr Psychiatry** 1980; 13(2):175–7

Insomnia and sleep disturbances in the aged. Hartmann E. **J Geriatr Psychiatry** 1980;13(2):179–82

Birth complications and self-reported sleep behavior. Hicks RA, et al. **Percept Mot Skills** 1982 Feb;54(1):281–2

Sleep, scratching and dreams in eczema. A new approach to alexithymia. Tantam D, et al. **Psychother Psychosom** 1982;37(1):26–35

[The sleep disorders in children (author's transl)] Ferrari P. **Sem Hop Paris** 1981 Apr 18–25;57(15–16):821–4 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

First CT findings in the Kleine–Levin–Critchley syndrome. Argenta G, et al. **Ital J Neurol Sci** 1981 Jan;2(1):77–9

RADIOTHERAPY

Acromegaly with sleep disturbances relieved by yttrium-90 pituitary implantation. Rosenstock J, et al. **J R Soc Med** 1982 Mar;75(3):209–10

REHABILITATION

Effectiveness of a sleep disorders center: a 9-month follow-up. Hauri PJ, et al. **Am J Psychiatry** 1982 May; 139(5):663–6

THERAPY

Treating sleep paralysis with hypnosis. Nardi TJ. **Int J Clin Exp Hypn** 1981 Oct;29(4):358–65

[Disorders of the circadian sleep-wake cycle] Aström C. **Ugeskr Laeger** 1982 Feb 1;144(5):302–4 (Eng. Abstr.) **(Dan)**

SLEEP, REM

Duration of REM sleep latency as predictor of effect of antidepressant therapy. A preliminary report. Svendsen K, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):238–43

Automatic detection of eye movements in REM sleep using the electrooculogram. Gopal IS, et al. **Am J Physiol** 1981 Sep;241(3):R217–21

REM latency and temperature in affective disorder before and after treatment. Avery D, et al. **Biol Psychiatry** 1982 Apr;17(4):463–70

Distribution of REM latency in depression. Coble PA, et al. **Biol Psychiatry** 1981 May;16(5):453–66

REM sleep abnormalities in depression: a test of the phase-advance hypothesis. Knowles JB, et al. **Biol Psychiatry** 1982 May;17(5):605–9

Phasic influences during REM sleep upon dorsal lateral geniculate nucleus unit activity in the rat. Marks GA, et al. **Brain Res** 1981 Oct 19;222(2):388–94

Psychoanalysis, dreaming and the REM state: a clinical vignette. Berger DM. **Can J Psychiatry** 1981 Nov; 26(7):490–3

Nocturnal penile tumescence (NPT). Wabrek AJ. **Conn Med** 1981 Sep;45(9):559–62

Intense rapid eye movements during active sleep: an index of neurobehavioral instability. Becker PT, et al. **Dev Psychobiol** 1982 May;15(3):203–10

The persistence of hyperresponsiveness to apomorphine in rats following REM sleep deprivation and the influence of housing conditions. Dallmeier Zelger K, et al. **Eur J Pharmacol** 1982 May 7;80(1):99–104

Analysis of the dream contents in Japanese college students by REMP-awakening technique. Yamanaka T, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):33–52

REM sleep and senile dementia [letter] Serby M. **J Am Geriatr Soc** 1982 Jun;30(6):422

Biological markers for depression in chronic pain. Blumer D, et al. **J Nerv Ment Dis** 1982 Jul;170(7):425–8

Discriminating good sleepers from insomniacs using all-night polysomnograms conducted at home. Coates TJ, et al. **J Nerv Ment Dis** 1982 Apr;170(4):224–30

Negative transfer abolished by REM sleep deprivation in rats. Pearlman CA. **Physiol Behav** 1982 Jan;28(1):73–5

Sleep apnoea occurring only in REM (possible relevance of the case for some cot deaths). Beary MD, et al. **Postgrad Med J** 1982 Apr;58(678):235–6

REM density in the differential diagnosis of psychiatric from medical-neurologic disorders: a replication. King D, et al. **Psychiatry Res** 1981 Dec;5(3):267–76

REM sleep, naps, and depression. Kupfer DJ, et al. **Psychiatry Res** 1981 Oct;5(2):195–203

Physical fitness, exercise, and REM sleep cycle length. Trinder J, et al. **Psychophysiology** 1982 Jan;19(1):89–93

A cognitive-psychological model of REM dream production. Foulkes D. **Sleep** 1982;5(2):169–87

Nystagmus and REM-density during sleep in patients with various brain lesions. Kawahara R, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):205–10

DRUG EFFECTS

The sleep of artificially reared newborn rats, effect of alpha-methyl-DOPA treatment on paradoxical sleep and on adult behaviour. Juvancz P. **Acta Physiol Acad Sci Hung** 1981;57(1):87–98

Selective suppression of rapid eye movement sleep (REMS) in cats by typical and atypical antidepressants. Scherschlicht R, et al. **Adv Biochem Psychopharmacol** 1982; 31:359–64

REM sleep suppression in cats by melatonin. Goldstein R, et al. **Brain Res Bull** 1981 Dec;7(6):723–4

Quipazine has a biphasic effect on slow wave sleep and reduces REM sleep rebound in REM sleep deprived rats. Zak R, et al. **Brain Res Bull** 1982 Mar;8(3):329–31

Effects of arginine vasotocin on REM sleep in narcoleptics and in symptomatic hypersomniacs. Popoviciu L, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):325–8

EEG sleep and tricyclic blood levels: acute and chronic administration in depression. Kupfer DJ, et al. **J Clin Psychopharmacol** 1982 Feb;2(1):8–13

Increase of paradoxical sleep induced by S-adenosyl-L-homocysteine. Sarda N, et al. **Neurosci Lett** 1982 May 17;30(1):69–72

REM sleep induction in prepubertal boys by vasotocin: evidence for the involvement of serotonin containing neurons. Pavel S, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):245–50

Effects of inhibitor of protein synthesis on sleep in rats. Uezu E, et al. **Tokushima J Exp Med** 1981 Jun;28(1–2):9–16

[Decrease of paradoxical sleep in the rat under tricyclic antidepressant: the role of collateral inhibition (author's transl)] Justafre JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):228–35 (Eng. Abstr.) **(Fre)**

[The effects of butoctamide hydrogen succinate (BAHS) on the sleep of the aged people (author's transl)] Hayashi Y, et al. **No To Shinkei** 1981 Dec;33(12):1243–50 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Spindle-like activity appearing during paradoxical sleep in rats with iron-induced cortical focus. Uezu E, et al. **Acta Med Okayama** 1982 Jun;36(3):237–40

Eye movement related cellular activity in the visual cortex of the cat. Hasan J, et al. **Acta Physiol Scand** 1981 May; 112(1):97–9

Effects of sleep-promoting factor from human urine on sleep cycle of cats. García-Arrarás JE. **Am J Physiol** 1981 Oct; 241(4):E269–74

REM sleep and depression: common neurobiological control mechanisms. McCarley RW. **Am J Psychiatry** 1982 May; 139(5):565–70

Cholinergic regulation of mood and REM sleep: potential model and marker of vulnerability to affective disorder. Sitaram N, et al. **Am J Psychiatry** 1982 May;139(5):571–6

Correction of CO2 retention during sleep in patients with chronic obstructive pulmonary diseases. Skatrud JB, et al. **Am Rev Respir Dis** 1981 Sep;124(3):260–8

Monoaminergic mechanisms and experimental cataplexy. Foutz AS, et al. **Ann Neurol** 1981 Oct;10(4):369–76

Application of automated REM analysis in depression. Kupfer DJ, et al. **Arch Gen Psychiatry** 1982 May; 39(5):569–73

Sleep architecture and REM sleep measures in prepubertal children with major depression: a controlled study. Puig-Antich J, et al. **Arch Gen Psychiatry** 1982 Aug; 39(8):932–9

Effects of dihydroergotoxine methane sulphonate (Redergine) on sleep in cats deprived of paradoxical sleep. Sušić V, et al. **Arch Int Physiol Biochim** 1981 Dec; 89(5):411–5

Different behaviors during paradoxical sleep without atonia depend on pontine lesion site. Hendricks JC, et al. **Brain Res** 1982 May 6;239(1):81–105

Are the gigantocellular tegmental field neurons responsible for paradoxical sleep? Sastre JP, et al. **Brain Res** 1981 Dec 14;229(1):147–61

Raphe unit activity during REM sleep in normal cats and in pontine lesioned cats displaying REM sleep without atonia. Trulson ME, et al. **Brain Res** 1981 Dec 7; 226(1–2):75–91

Sleep-onset REM sleep: comparison of narcoleptic and obstructive sleep apnea patients. Walsh JK, et al. **Clin Electroencephalogr** 1982 Jan;13(1):57–60

Recognition of REM sleep in standard EEG. Matsuo F. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):490–3

Concurrent occurrence of rapid eye movement with spindle burst during nocturnal sleep in mentally retarded children. Shibagaki M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):27–35

EEG power and coherence during non-REM and REM phases in humans in all-night sleep analyses. Dumermuth G, et al. **Eur Neurol** 1981;20(6):429–34

Absence of shivering in the cat during paradoxical sleep without atonia. Hendricks JC. **Exp Neurol** 1982 Mar; 75(3):700–10

Discharge pattern of reticular formation unit pairs in waking and REM sleep. Siegel JM, et al. **Exp Neurol** 1981 Dec; 74(3):875–91

The relationship between episodic variations of plasma prolactin and REM-non-REM cyclicity is an artifact. Van Cauter E, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):70–5

The effect of brief episodes of diminished uterine blood flow on breathing movements, sleep states and heart rate in fetal

sheep. Harding R, et al. **J Dev Physiol** 1981 August; 3(4):231–43

Increased responsiveness to apomorphine after REM sleep deprivation: supersensitivity of dopamine receptors or increase in dopamine turnover? Tufik S. **J Pharm Pharmacol** 1981 Nov;33(11):732–8

Loss of eye movements abolishes light entrainment of circadian mesolimbic catecholamine excitability: a function for REM? Stevens JR, et al. **Life Sci** 1982 Feb 7; 30(6):495–501

Sleep disorders. Part I: Normal sleep and the diagnosis of sleep dysfunctions. Walker JI. **NC Med J** 1981 Nov; 42(11):783–5

Amygdaloid kindling during rapid eye movement (REM) sleep in cats. Calvo JM, et al. **Neurosci Lett** 1982 Apr 26; 29(3):255–9

REM sleep deprivation changes behavioral response to catecholaminergic and serotonergic receptor activation in rats. Mogilnicka E. **Pharmacol Biochem Behav** 1981 Jul; 15(1):149–51

Phasic events of paradoxical sleep in the anophthalmic ZRDCT/An mice. Faradji H, et al. **Physiol Behav** 1981 Jun;26(6):961–5

Hippocampal theta rhythms from CA1 and dentate generators during paradoxical sleep of the rat: differential alterations after septal lesion. Monmaur P. **Physiol Behav** 1982 Mar;28(3):467–71

Paradoxical sleep deprivation and locomotor activity in rats. van Hulzen ZJ, et al. **Physiol Behav** 1981 Oct;27(4):741–4

Selective increase in brain dopamine metabolism during REM sleep rebound in the rat. Wojcik WJ, et al. **Physiol Behav** 1981 Aug;27(2):305–12

Isolated REM sleep facilitates recall of complex associative information. Scrima L. **Psychophysiology** 1982 May; 19(3):252–9

Effects of chronic alcoholism on nocturnal penile tumescence. Snyder S, et al. **Psychosom Med** 1981 Oct; 43(5):423–9

Persistence of the circadian rhythm of REM sleep: a variety of experimental manipulations of the sleep–wake cycle. Endo S, et al. **Sleep** 1981 Sep;4(3):319–28

The relationship of excessive exploratory behavior in wakefulness to paradoxical sleep without atonia. Morrison AR, et al. **Sleep** 1981 Sep;4(3):247–57

[Vigilance, nonREM and REM sleep, and epileptic seizure. Four states or systems: formator–complex (author's transl)] Faber J, et al. **Cas Lek Cesk** 1981 Nov 5;120(44):1338–44 (Eng. Abstr.) **(Cze)**

[Inactivating depolarization of relay neurons in the lateral geniculate body during paradoxical sleep in the cat] Fourment A, et al. **C R Seances Acad Sci [III]** 1981 Sep 21;293(2):165–70 (Eng. Abstr.) **(Fre)**

[Biogenic amines and sleep (author's transl)] Matsumoto J. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1719–24 (38 ref.) **(Jpn)**

[Respiration of cerebral synaptosomes of rats deprived of the paradoxical stage of sleep and exposed to depolarization] Nilova NS. **Fiziol Zh SSSR** 1981 Sep; 67(9):1324–8 (Eng. Abstr.) **(Rus)**

[Nucleic acid and protein content of cells of the raphe nuclei of the rat brain when the animals are deprived of the paradoxical sleep phase] Panov AN, et al. **Tsitologiia** 1981 Dec;23(12):1381–5 (Eng. Abstr.) **(Rus)**

SLEEP STAGES

Effect of voluntary locomotor activity on sleep in the rat. Hanagasioglu M, et al. **Behav Brain Res** 1982 Apr; 4(4):359–68

Responsitivity of rats to neutral and danger-signaling stimuli during sleep. Halperin JM, et al. **Behav Neural Biol** 1981 Oct;33(2):213–9

The measurement of sleep onset latency in insomnia. Franklin J. **Behav Res Ther** 1981;19(6):547–9

Expiratory patterns during sleep in normal full-term and premature neonates. Radvanyi-Bouvet MF, et al. **Biol Neonate** 1982;41(1–2):74–84

EEG spectral analysis in vital depression: ultradian cycles. Lange H. **Biol Psychiatry** 1982 Jan;17(1):3–21

Neuropsychological assessment and EEG sleep in affective disorders. Shipley JE, et al. **Biol Psychiatry** 1981 Oct; 16(10):907–18

Development of the motor behavior during sleep in newborn infants. Hakamada S, et al. **Brain Dev** 1981;3(4):345–50

Performance deficits following short-term partial sleep deprivation and subsequent recovery oversleeping. Herscovitch J, et al. **Can J Psychol** 1981 Dec;35(4):309–22

Fasting-induced torpor in Mus musculus and its implications in the use of murine models for human obesity studies. Webb GP, et al. **Comp Biochem Physiol [A]** 1982; 72(1):211–9

Control of sleep–wake states in the infant rat by features of the mother–infant relationship. Hofer MA, et al. **Dev Psychobiol** 1982 May;15(3):229–43

Comparison of sleep characteristics of subjects in their 70's with those in their 80's. Hayashi Y, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):23–32

Lethargy, anxiety, and impotence in a diabetic. Cobbs LW. **Hosp Pract** 1982 Aug;17(8):67, 70, 73

Phenomenology of sleep among insomniacs and good sleepers: wakefulness experience when cortically asleep. Borkovec TD, et al. **J Abnorm Psychol** 1981 Dec; 90(6):607–9

Neurophysiological studies of sleep in infants and children. Anders TF. **J Child Psychol Psychiatry** 1982 Jan; 23(1):75–83

Daytime sleepiness in depression. Claghorn JL, et al. **J Clin Psychiatry** 1981 Sep;42(9):342–3

Estimating sleep parameters: a multitrait—multimethod analysis. Coates TJ, et al. **J Consult Clin Psychol** 1982 Jun; 50(3):345–52

Sleep and insomnia in the elderly. Regestein QR. **J Geriatr Psychiatry** 1980;13(2):153–71

Drowsiness due to clemastine transmitted in breast milk [letter] Kok TH, et al. **Lancet** 1982 Apr 17;1(8277):914–5

Day-time drowsiness. Parkes JD. **Lancet** 1981 Nov 28; 2(8257):1213–8

Daytime drowsiness [letter] Tirlapur VG, et al. **Lancet** 1982 Jan 16;1(8264):163–4

Sleep–stage–dependent Cheyne–Stokes respiration after cerebral infarct: a case study. Power WR, et al. **Neurology (NY)** 1982 Jul;32(7):763–6

Sleep patterns in the 'new variant' phenylketonuria. Salomon F, et al. **Neuropediatrics** 1981 Aug;12(3):287–91

Shift in cognitive asymmetries between wakings from REM and NREM sleep. Gordon HW, et al. **Neuropsychologia** 1982;20(1):99–103

Neuroticism in short and long sleepers. Kumar A, et al. **Percept Mot Skills** 1982 Jun;54(3):962

EEG sleep patterns in schizophrenic patients undergoing hemodialysis. Gillin JC, et al. **Psychiatry Res** 1981 Dec; 5(3):287–91

Electroencephalographic sleep findings in depressed outpatients. Reynolds CF 3d, et al. **Psychiatry Res** 1982 Feb;6(1):65–75

The sleep of older subjects fifteen years later. Webb WB. **Psychol Rep** 1982 Feb;50(1):11–4

Diurnal rhythm of axillary temperature in long and short sleepers: effects of sleep deprivation and sleep displacement. Benoit O, et al. **Sleep** 1981;4(4):359–65

Sleep patterns in hyperkinetic and normal children. Busby K, et al. **Sleep** 1981;4(4):366–83

K-complexes and sleep spindles before transient activation during sleep. Ehrhart J, et al. **Sleep** 1981;4(4):400–7

Spindle density in sleep of normal subjects. Gaillard JM, et al. **Sleep** 1981;4(4):385–91

Developmental patterns of heart rate and heart rate variability during sleep and waking in normal infants and infants at risk for the sudden infant death syndrome. Harper RM, et al. **Sleep** 1982;5(1):28–38

Some characteristics of sleep spindles derived from automatic analysis. Matsubayashi K, et al. **Sleep** 1981;4(4):392–9

A modified method for scoring slow wave sleep of older subjects. Webb WB, et al. **Sleep** 1982;5(2):195–9

Vigilance level after forced arousal from different sleep phases in rats. Kimura T, et al. **Tokushima J Exp Med** 1981 Dec;28(3–4):59–67

[Psychopathology of diurnal and sleep epilepsies (author's transl)] Hebenstreit G. **Nervenarzt** 1982 May;53(5):287–90 **(Ger)**

DRUG EFFECTS

Coffee consumption, cigarette smoking and reporting of drowsiness in anxious patients treated with benzodiazepines or placebo. Downing RW, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):398–408

Nortriptyline and EEG sleep in depressed patients. Kupfer DJ, et al. **Biol Psychiatry** 1982 May;17(5):535–46

Effect of salbutamol, a putative cerebral beta agonist on sleep stages and interictal epileptic discharges. Laffont F, et al. **Biomedicine** 1981 Dec;35(7–8):220–3

Effect of physostigmine on morphine-induced postoperative pain and somnolence. Weinstock M, et al. **Br J Anaesth** 1982 Apr;54(4):429–34

Quipazine has a biphasic effect on slow wave sleep and reduces REM sleep rebound in REM sleep deprived rats. Zak R, et al. **Brain Res Bull** 1982 Mar;8(3):329–31

Lorazepam–efficacy, side effects, and rebound phenomena. Scharf MB, et al. **Clin Pharmacol Ther** 1982 Feb;31(2):175–9

The interaction of age, performance and hypnotics in the sleep of insomniacs. Bonnet MH, et al. **J Am Geriatr Soc** 1981 Nov;29(11):508–12

alpha-Flupenthixol increases slow-wave in rats: effect of dopamine receptor blockade. Fornal C, et al. **Neuropharmacology** 1982 Apr;21(4):323–5

Sleep suppressant action of quipazine: relation to central serotonergic stimulation. Fornal C, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):937–44

Effects of triazolam (0.5 mg) on sleep, performance, memory, and arousal threshold. Spinweber CL, et al. **Psychopharmacology (Berlin)** 1982;76(1):5–12

Characteristics of spindle activity and their use in evaluation of hypnotics. Azumi K, et al. **Sleep** 1982;5(1):95–105

Sleep spindles: pharmacological effects in humans. Hirshkowitz M, et al. **Sleep** 1982;5(1):85–94

Benzodiazepines: from receptor to function in sleep. Tallman JF. **Sleep** 1982;5 Suppl 1:S12–7

[Anxiolytics in man: studies on sleep and performance (author's transl)] Nicholson AN. **Encephale** 1982; 8(2):151–64 (Eng. Abstr.) **(Fre)**

[Polygraphic study of the effects of various hypnotics on the first sleep cycle (author's transl)] Escande M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):140–6 (Eng. Abstr.) **(Fre)**

[Alterations of sleep stage patterns in humans and carry-over effects under estazolam / 1st comm.: effects of estazolam on sleep disturbed by jet fly-over noise (author's transl)] Ehrenstein W, et al. **Arzneimittelforsch** 1982;32(3):280–6 (Eng. Abstr.) **(Ger)**

[Alterations of sleep stage pattern in human beings and hang-over effects under the influence of estazolam/2nd Comm.: Studies on the hang-over effect in psycho-physiological performance (author's transl)] Müller KW, et al. **Arzneimittelforsch** 1982;32(4):456–60 (Eng. Abstr.) **(Ger)**

[Electroencephalographically determined sedative effects (vigilosomnography) of the new Thienodiazepin-derivate clotiazepam (author's transl)] Aufdembrinke B, et al. **EEG EMG** 1981 Sep;12(3):148–54 (Eng. Abstr.) **(Ger)**

[Spindles and spike waves in the sleep EEG of epileptic patients under administration of phenobarbital (PB) and phenytoin (DPH) (author's transl)] Sengoku A, et al. **EEG EMG** 1981 Sep;12(3):132–4 (Eng. Abstr.) **(Ger)**

[Effects of afloqualone, a centrally acting muscle relaxant, on the sleep–wakefulness cycle in cats with chronically implanted electrodes (author's transl)] Kojima M, et al. **Nippon Yakurigaku Zasshi** 1981 Nov;78(5):471–82 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Brain state and body position. A time-lapse video study of sleep. Aaronson ST, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):330–5

New methods to separate artifacts from normal and defective breathing patterns in different sleep–states, if infants are monitored at home. Jeffery H, et al. **Aust NZ J Med** 1981 Aug;11(4):406–11

The maturation of respiratory patterns in normal full term infants during the first six postnatal months. II: Sleep states and apnoea. Adamson TM, et al. **Aust Paediatr J** 1981 Dec; 17(4):257–61

The maturation of respiratory patterns in normal full term infants during the first six postnatal months. I: Sleep states and respiratory variability. Adamson TM, et al. **Aust Paediatr J** 1981 Dec;17(4):250–6

Glucose utilization increases in choroid plexus during slow wave sleep. A [14C] deoxyglucose study in the cat. Bobillier P, et al. **Brain Res** 1982 May 27;240(2):359–63

Effects of locus coeruleus lesions upon sleeping and waking in the rabbit. Braun CM, et al. **Brain Res** 1981 Dec 28; 230(1–2):133–51

Neuronal discharge patterns in the occipital cortex of developing rats during active and quiet sleep. Mirmiran M, et al. **Brain Res** 1982 Jan;255(1):37–48

Sleep patterns during rearing under different environmental conditions in juvenile rats. Mirmiran M, et al. **Brain Res** 1982 Feb 11;233(2):287–98

LCEC monitoring of 5-hydroxyindolic compounds in the cerebrospinal fluid of the rat related to sleep and feeding. Danguir J, et al. **Brain Res Bull** 1982 Mar;8(3):293–7

Daytime sleep stage organization in three–month–old infants. Crowell DH, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):36–47

Participation of the cerebellum in the regulation of the sleep–wakefulness cycle. Results in cerebellectomized cats. Cunchillos JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):549–58

Sleep stage responses of older and younger subjects after sleep deprivation. Webb WB. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):368–71

Firing rates and patterns of midbrain reticular neurons during steady and transitional states of the sleep–waking cycle. Steriade M, et al. **Exp Brain Res** 1982;46(1):37–51

Studies of arrhythmias by 24–hour polygraphic recordings. II. Relationship between heart rate and sleep states. Otsuka K, et al. **Fukuoka Igaku Zasshi** 1981 Oct;72(10):589–96

Sleep and human cerebellar pathology. Bergonzi P, et al. **Int J Neurosci** 1981;15(3):159–63

Metabolism and thermoregulation during stages of sleep in humans exposed to heat and cold. Haskell EH, et al. **J Appl Physiol** 1981 Oct;51(4):948–54

The relationship between episodic variations of plasma prolactin and REM–non–REM cyclicity is an artifact. Van Cauter E, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):70–5

Dissociation between sleep–related and TRH–induced prolactin secretion in seminiferous tubule failure. Spitz IM, et al. **Metabolism** 1982 Jan;31(1):10–3

Sleep disorders. Part I: Normal sleep and the diagnosis of sleep dysfunctions. Walker JI. **NC Med J** 1981 Nov; 42(11):783–5

Sleep–wake pattern in preterm infants under two different care schedules during four–day polygraphic recording. Gabriel M, et al. **Neuropediatrics** 1981 Nov;12(4):366–73

Relationship between sleep stage IV deficit and reversible HGH deficiency in psychosocial dwarfism. Guilhaume A, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):299–303

Entry into hibernation in M. flaviventris: sleep and behavioral thermoregulation. Miller VM, et al. **Physiol Behav** 1981 Dec;27(6):989–93

Computer measures of sleep EEG reliably sort visual stage 2 epochs by NREM period of origin. Fein G, et al. **Psychophysiology** 1981 Nov;18(6):686–93

Influence of sleep state on the response to hypercapnia in

fetal lambs. Jansen AH, et al. **Respir Physiol** 1982 Apr; 48(1):125–42

Slow-wave sleep: a recovery period after exercise. Shapiro CM, et al. **Science** 1981 Dec 11;214(4526):1253–4

Development of sleep spindle bursts during the first year of life. Ellingson RJ. **Sleep** 1982;5(1):39–46

Technique for application of penile strain gauge electrodes for nocturnal tumescence studies. Lemmi H, et al. **Sleep** 1982;5(1):106–8

Sleep spindles in the human hippocampus: normal or epileptic activity? Montplaisir J, et al. **Sleep** 1981;4(4):423–8

Dynamic relation of sleep spindles and K-complexes to spontaneous phasic arousal in sleeping human subjects. Naitoh P, et al. **Sleep** 1982;5(1):58–72

Psychological correlates of spontaneous middle ear muscle activity during sleep. Ogilvie RD, et al. **Sleep** 1982; 5(1):11–27

Sleep spindle characteristics as a function of age. Principe JC, et al. **Sleep** 1982;5(1):73–84

Sleep–wake patterns of intact and carotid sinus nerve sectioned rats during hypoxia. Ryan AT, et al. **Sleep** 1982; 5(1):1–10

Spindle evolution in normal and mentally retarded children: a review. Shibagaki M, et al. **Sleep** 1982;5(1):47–57

Sensorimotor electroencephalogram rhythmic activity: a functional gate mechanism. Sterman MB, et al. **Sleep** 1961; 4(4):408–22

Multiple sleep latency tests during the development of narcolepsy. Carskadon MA, et al. **West J Med** 1981 Nov; 135(5):414–8

[Adaptability of equilibrium mechanisms as a function of the level of wakefulness: displacement of the center of gravity of the body according to the stages of sleep] Sugawara M, et al. **Agressologie** 1980;21(D):83–8 (Eng. Abstr.) **(Fre)**

[Waking-sleep cycle in children. I. Physiology] Benoit O. **Arch Fr Pediatr** 1981 Oct;38(8):619–26 **(Fre)**

[Variations in cardiac rhythm disorders as a function of waking state (letter)] Mauvisseau M, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1078 **(Fre)**

[24 hour polygraphic study of the waking-up and falling asleep periods in patients with hepatic encephalopathy (author's transl)] Baldy-Moulinier M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):123–32 (Eng. Abstr.) **(Fre)**

[Spatio-temporal organisation of EEG during sleep induction and awakening (author's transl)] Banquet JP. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):68–74 (Eng. Abstr.) **(Fre)**

[Spatio-temporal organisation of EEG in sleep stages (author's transl)] Banquet JP. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):75–81 (Eng. Abstr.) **(Fre)**

[Factor analysis of EEG and polygraphic data during sleep onset in children (author's transl)] Burger D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):59–67 (Eng. Abstr.) **(Fre)**

[The development of falling asleep during the first months of life in man (author's transl)] Dittrichová J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):17–22 (Eng. Abstr.) **(Fre)**

[Sleep onset in infants under continuous feeding from birth: 24 hour recordings (author's transl)] Fagioli I, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):37–44 (Eng. Abstr.) **(Fre)**

[Interest of a new method of graphic analysis for the study of the organization of stage II sleep in man (author's transl)] Loustalan JM, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):204–11 (Eng. Abstr.) **(Fre)**

[EEG appearance during waking and falling asleep in children aged 1–4 years (without serious pathology)(author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):45–50 (Eng. Abstr.) **(Fre)**

[EEG recording during drowsiness in normal babies aged 2 to 12 months (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):23–7 (Eng. Abstr.) **(Fre)**

[Inversion of the polarity of contingent negative variation during falling asleep (author's transl)] Timsit-Berthier M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):82–8 (Eng. Abstr.) **(Fre)**

[Alpha-sleep pattern-a distinctive activity within the alpha-frequency range superimposed on EEG sleep patterns (author's transl)] Scheuler W, et al. **EEG EMG** 1982 Mar;13(1):34–41 (Eng. Abstr.) **(Ger)**

[Responses of parietal cortex neurons during the process of sleep onset in the cat] Fel'dman GL, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):787–96 (Eng. Abstr.) **(Rus)**

[Electroencephalographic correlates of differentiating verbal stimuli during natural human nighttime sleep] Arons EK, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):839–41 **(Rus)**

SLEEP TERROR DISORDER see **SLEEP DISORDERS**

SLIME BACTERIA see **MYXOBACTERALES**

SLIME MOLDS see **MYXOMYCETES**

SLOTHS see under **EDENTATA**

SLOW ALPHA 2-MACROGLOBULINS see **ALPHA MACROGLOBULINS**

SLOW REACTING SUBSTANCE OF ANAPHYLAXIS see **SRS-A**

SLOW-REACTING SUBSTANCES

Oxidative products of arachidonate: leukotrienes, a new group of compounds, including slow-reacting substance of anaphylaxis (SRA-A). Samuelsson B. **KROC Found Ser** 1981;14:1–11

ANTAGONISTS & INHIBITORS

Delta four acetylenic acids – selective inhibitors of the formation of slow reacting substance. Jakschik BA, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):624–9

BIOSYNTHESIS

Formation of leukotrienes C and D and Pharmacologic modulation of their synthesis. Bach MK, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:103–14

Formation of novel biologically active leukotrienes by omega-oxidation in human leukocyte preparations. Lindgren JA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:53–60

New group of leukotrienes formed by initial oxygenation at C-15. Rådmark O, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:61–70

In vivo synthesis of airway-active agents from arachidonic acid. Spannhake EW, et al. **Bull Eur Physiopathol Respir** 1981;17(4):523–30

Slow-reacting substances and asthma: leukotrienes may hold the key to asthma therapy. Seale JP. **Med J Aust** 1981 Nov 28;2(11):574–5

Structure elucidation and biosynthesis of slow reacting substances and slow reacting substance of anaphylaxis from guinea pig and human lung. Morris HR, et al. **Prog Lipid Res** 1981;20:719–25

METABOLISM

The leukotrienes: an introduction. Samuelsson B. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:1–17

The release of prostaglandin and slow reacting substance from mouse macrophages. Humphray HP, et al. **Agents Actions** 1981 Dec;11(6–7):577–8

SRS-A and SRS: their structure, biosynthesis and actions. Piper PJ, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:107–12

Leukotrienes: mediators of allergic reactions and inflammation. Samuelsson B. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:98–106 (31 ref.)

Release of a slow-reacting substance from rabbit platelets. Mencia-Huerta JM, et al. **J Clin Invest** 1981 Dec; 68(6):1586–91

Lipid mediators of leukocyte function in immediate-type hypersensitivity reactions. Goetzl EJ, et al. **KROC Found Ser** 1981;14:169–82

IgE-dependent release of leukotriene C4 from alveolar macrophages. Rankin JA, et al. **Nature** 1982 May 27; 297(5864):329–31

Tetraene and pentaene leukotrienes: selective production from murine mastocytoma cells after dietary manipulation. Murphy RC, et al. **Prostaglandins** 1981 Oct;22(4):613–22

PHARMACODYNAMICS

Studies on kallikreins. VII. Effects of kallikrein and some autacoids on in vitro transport of valine and sodium ion. Fujimori H, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan; 30(1):272–9

Effect of gastrointestinal hormones and amines on intestinal motility and the migration of Hymenolepis diminuta in the rat small intestine. Mettrick DF, et al. **Int J Parasitol** 1982 Jun;12(2–3):151–4

Action of substance P and an analogue on blood pressure and avoidance learning in rats with spontaneous hypertension (SHR). Oehme P, et al. **Pharmazie** 1981; 36(7):502–5

[Responsiveness of the isolated canine ciliary artery to several vasoactive substances (author's transl)] Shimizu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1772–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Leukotrienes: their metabolism, structure, and role in allergic responses. Parker CW. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:115–26

Biochemistry, pathophysiology and pharmacology of slow-reacting substances/leukotrienes. Lewis GP. **Agents Actions** 1981 Dec;11(6–7):569–71 (8 ref.)

Leucotrienes, SRS-A and the vascular manifestations of PCA. Morley J, et al. **Agents Actions** 1981 Dec; 11(6–7):585–7

Slow-reacting substance from alveolar macrophages--a mechanism of asthma? Cade JF, et al. **Aust J Exp Biol Med Sci** 1981 Aug;59(4):449–54

Slow-reacting substances from rat leukocytes: selective action on the airways, and progress toward elucidation of their structure. Bach MK, et al. **KROC Found Ser** 1981; 14:37–50

Leukotrienes and lung disease. O'Driscoll BR, et al. **Thorax** 1982 Apr;37(4):241–5 (23 ref.)

SLOW VIRUS DISEASES

Slow virus infections. Matthews WB. **J R Coll Physicians Lond** 1981 Apr;15(2):109–12 (25 ref.)

[Attempt to reproduce neuro-Behçet's disease in an animal] Colombo A. **Riv Neurobiol** 1981 Jan–Mar;27(1):40–7 **(Ita)**

[Paget's disease, a slow virus disease?] Arderiu Freixa A, et al. **Med Clin (Barc)** 1981 Oct 10;77(6):253–4 **(Spa)**

COMPLICATIONS

Diagnosis: schizophrenic reaction due to or associated with intracranial viral infection. Laury GV. **Psychiatr Q** 1981 Fall;53(3):170–4

[Mental symptoms in slow viral infections (author's transl)] Cigánik I, et al. **Cesk Psychiatr** 1981;77(4):261–5 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

The immune system in slow disease due to persistent submicrobial (viral) infection. Huntington RW, et al. **Perspect Biol Med** 1981 Summer;24(4):637–57 (95 ref.)

PATHOLOGY

Glial plaques: amyloid deposits characteristic of slow transmissible encephalopathies. Boellaard JW, et al. **Virchows Arch [Cell Pathol]** 1981;37(3):337–41

THERAPY

[Therapeutic principles in chronic neurovirus diseases of the nervous system] Agte BS, et al. **Vrach Delo** 1981 Dec; (12):99–103 (Eng. Abstr.) **(Rus)**

VETERINARY

Slow viral infections of animals: experimental models for human disease. Gudnadóttir M. **Med Biol** 1981 Apr; 59(2):77–84 (26 ref.)

SMALLPOX

COMPLICATIONS

Facial scarring after varicella. A comparison with variola major and variola minor. Jezek Z, et al. **Am J Epidemiol** 1981 Dec;114(6):798–803

Penetrating keratoplasty for adherent leukoma of smallpox. Law WN. **Am J Ophthalmol** 1981 Dec;92(6):811–5

[Operative treatment of facial pockmarks resulting from smallpox report of 7 cases (author's transl)] Dong SF. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):238–9 (Eng. Abstr.) **(Chi)**

HISTORY

The global eradication of smallpox. Strassburg MA. **Am J Infect Control** 1982 May;10(2):53–9

Good servants are scarce. Guest-Gornall RG. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1674–5

State church charity and smallpox: an epidemic crisis in the City of Mexico 1797–98. Price R. **J R Soc Med** 1982 May; 75(5):356–7

[History of the elimination of smallpox in the USSR] Vasil'ev KG, et al. **Vopr Virusol** 1982 Jan–Feb;(1):113–6 **(Rus)**

[Tercentenary of the decree on smallpox (a page from the history of epidemiology)] Petrov BD. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):117–8 **(Rus)**

OCCURRENCE

Hawaiians and medicine. Mills GH. **Hawaii Med J** 1981 Oct; 40(10):272–6

PREVENTION & CONTROL

Malignant fibrous histiocytoma arising in a smallpox vaccination scar. Slater DN, et al. **Br J Dermatol** 1981 Aug; 105(2):215–7

The eradication of smallpox in Shanghai, China, October 1950–July 1951. Hui X, et al. **Bull WHO** 1961;59(6):913–7

Smallpox vaccination--update. Banker DD. **Indian J Med Sci** 1981 Jul;35(7):163–6

Vaccination against smallpox : is it relevant now? Dutta M. **Indian J Pediatr** 1981 May–Jun;48(392):257–9

The global programme of smallpox eradication. Ladnyi ID, et al. **J Hyg Epidemiol Microbiol Immunol** 1981; 25(3):217–32

Eradication of smallpox and elimination of poliomyelitis: contrasts in strategy. Sabin AB. **Jpn J Med Sci Biol** 1981 Apr;34(2):109–12

[Eradication of variola in its ancient cradle--India (author's

transl)] Ježek Z, et al.
Cesk Epidemiol Mikrobiol Imunol 1980 Oct;29(5):287–99 (Eng. Abstr.) **(Cze)**
[World Health Organization and its share in the eradication of variola (author's transl)] Ježek Z, et al.
Cesk Epidemiol Mikrobiol Imunol 1980 Oct;29(5):260–8 (Eng. Abstr.) **(Cze)**
[Surveillance of variola (author's transl)] Kříž B, et al.
Cesk Epidemiol Mikrobiol Imunol 1980 Oct;29(5):277–86 (Eng. Abstr.) **(Cze)**
[Eradication of variola in Bangladesh (author's transl)] Markvart K, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct;29(5):300–8 (Eng. Abstr.) **(Cze)**
[Vaccination against variola and its future (author's transl)] Slonim D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct;29(5):269–76 (Eng. Abstr.) **(Cze)**
[Eradication of variola in Africa (author's transl)] Zikmund V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct; 29(5):309–18 (Eng. Abstr.) **(Cze)**
[The participation of Czechoslovak epidemiology in the eradication of variola (author's transl)] Zusková D.
Cesk Epidemiol Mikrobiol Imunol 1980 Oct;29(5):257–9 **(Cze)**
[WHO vaccination programs. Vaccination in the control of smallpox] Kostrzewski J. **Przegl Epidemiol** 1981;35(3):373–6 **(Pol)**
[Eradication of smallpox throughout the world] Djordjević S. **Srp Arh Celok Lek** 1981 Aug;109(8):1091–2 **(Scc)**

TRANSMISSION

Sequential analysis of the influence of sex on the spread of the disease variola minor. Tsokos JO, et al.
J Theor Biol 1981 Apr 7;89(3):341–51
Multivariate analysis of the role of school–attendance status in the introduction of variola minor into the household. Morrill RL, et al. **Soc Sci Med [D]** 1981 Nov;15D(4):479–87

SMALLPOX VACCINE

More on small pox [letter] **Indian Pediatr** 1982 Jan; 19(1):103–4
Smallpox vaccination. **MMWR** 1982 Apr 2;31(12):159

ADMINISTRATION & DOSAGE

Incidental subcutaneous administration of high dosage smallpox vaccine in vaccinated adults. Toma E, et al.
Arch Roum Pathol Exp Microbiol 1981 Apr–Jun; 40(2):137–42
Smallpox vaccination [letter] Howells G. **Med J Aust** 1982 Jan 23;1(2):60–1

ADVERSE EFFECTS

Hazards of smallpox vaccination [editorial] Lane JM.
JAMA 1982 May 21;247(19):2709
Recurrent herpes simplex infection at a smallpox vaccination site. Mintz L. **JAMA** 1982 May 21;247(19):2704–5
Thrombocytopenic purpura after smallpox vaccine. Burke PJ, et al. **Pa Med** 1981 Sep;84(9):49–50
Accidental oculofacial vaccinia. Dilmen U, et al.
Turk J Pediatr 1982 Jan–Mar;24(1):49–51
[Occurrence of complications in vaccination against variola in CSR (author's transl)] Janoušt V, et al.
Cesk Epidemiol Mikrobiol Imunol 1982 Mar;31(2):73–9 (Eng. Abstr.) **(Cze)**
[Accidental localized vaccinia. A report of six recent cases (author's transl)] Lejeune B, et al. **Sem Hop Paris** 1982 Jan 21;58(3):148–52 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Tests for the presence of bacteriophages in live virus vaccine] Albrycht H, et al. **Med Dosw Mikrobiol** 1981; 33(2):97–103 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Smallpox vaccination—update. Banker DD.
Indian J Med Sci 1981 Jul;35(7):163–6
[Vaccination against variola and its future (author's transl)] Slonim D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct;29(5):269–76 (Eng. Abstr.) **(Cze)**
[Laboratory markers of vaccinia virus in the vaccinia pulp, glycerinated vaccine and lyophilized suspension stored for 1 to 8 years at –25 degrees C] Mihancea N.
Rev Ig [Bacteriol] 1981 Jul–Sep;26(3):191–7 **(Rum)**

PHARMACODYNAMICS

[Comparative titers of anti–variola vaccine on 2 cellular systems: K.B. and P.S.] Clerc Y, et al.
Arch Inst Pasteur Madagascar 1981;48(1):215–22 **(Fre)**

THERAPEUTIC USE

Vaccination against smallpox : is it relevant now? Dutta M.
Indian J Pediatr 1981 May–Jun;48(392):257–9
Smallpox vaccine for the treatment of recurrent herpes infection [letter] Schoub BD. **S Afr Med J** 1982 Aug 7; 62(7):189
[WHO vaccination programs. Vaccination in the control of smallpox] Kostrzewski J. **Przegl Epidemiol** 1981;35(3):373–6 **(Pol)**

SMALLPOX VIRUS

IMMUNOLOGY

Comparative analysis of the degree of specific humoral immunity, content of serum immunoglobulins and isolation of vaccinia virus in children with post–vaccinal encephalitis after smallpox vaccination. Gurvich EB.
J Hyg Epidemiol Microbiol Immunol 1981;25(3):311–20

ISOLATION & PURIFICATION

[Persistence of variola virus in rabbits] Maksimova–Todorova V. **Acta Microbiol Bulg** 1980;6:48–51 (Eng. Abstr.) **(Bul)**

SMELL

see related
ANOSMIA
ODORS

An olfactory investigation of the compatibility of oddity instructions with the design of a 3–AFC signal detection task. Frijters JE. **Acta Psychol (Amst)** 1981 Oct;49(1):1–16
Metabolic contribution of CO2 to the 'group effect'. Schlenker EH, et al. **Am J Physiol** 1981 Nov;241(5):R264–6
Olfactory hallucination in migraine. Wolberg FL, et al.
Arch Neurol 1982 Jun;39(6):382
Responses by rats to odors from living versus dead conspecifics. Carr WJ, et al. **Behav Neural Biol** 1981 Jan; 31(1):67–72
The influence of rendering rats anosmic on the poisoned–partner effect. Stierhoff KA, et al.
Behav Neural Biol 1982 Feb;34(2):180–9
A method for studying responses and habituation to odors in rats. Sundberg H, et al. **Behav Neural Biol** 1982 Jan; 34(1):113–9
A quantitative study of the effects of early unilateral olfactory deprivation on the number and distribution of mitral and tufted cells and of glomeruli in the rat olfactory bulb. Meisami E, et al. **Brain Res** 1981 Sep 21;221(1):81–107
Olfactory bulb responsiveness to an aversive or novel food odor in ;the unrestrained rat. Royet JP, et al.
Brain Res Bull 1981 Oct;7(4):375–8
Olfactory development in gerbil pups. Cornwell–Jones CA, et al. **Dev Psychobiol** 1982 Mar;15(2):131–7
Communication of gender from human breath odors: relationship to perceived intensity and pleasantness. Doty RL, et al. **Horm Behav** 1982 Mar;16(1):13–22
Monosymptomatic psychoses which progress to schizophrenia. Munro A, et al. **J Clin Psychiatry** 1981 Dec; 42(12):474–6
Attention and habituation: odor preferences, long–term memory, and multiple sensory cues of novel stimuli. Cheal ML, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):47–60
Development of olfactory control of feeding–site selection in rat pups. Galef BG Jr. **J Comp Physiol Psychol** 1981 Aug;95(4):615–22
The ontogeny of feeding in rats: V. Influence of texture, home odor, and sibling presence on ingestive behavior. Johanson IB, et al. **J Comp Physiol Psychol** 1981 Dec; 95(6):837–47
Attraction to odors in hamsters: an evaluation of methods. Johnston RE. **J Comp Physiol Psychol** 1981 Dec; 95(6):951–60
Tongue brushing, dentifrice, and age effects on taste and smell. Hyde RJ, et al. **J Dent Res** 1981 Oct;60(10):1730–4
An olfactometric cage suitable for short duration stimulations of unrestrained small animals. Vigouroux M, et al.
J Neurosci Methods 1981 Aug;4(2):189–96
Negative middle ear pressure induced by sniffing. A tympanometric study in persons with healthy ears. Falk B. **J Otolaryngol** 1981 Aug;10(4):299–305
Taste and smell: the neglected senses [news] Ziporyn T.
JAMA 1982 Jan 15;247(3):277–9, 282–5
Analysis of discrimination mechanisms in the mammalian olfactory system using a model nose. Persaud K, et al.
Nature 1982 Sep 23;299(5881):352–5
The stimulus–basis of a natural food aversion in Norway rats. Carr WJ, et al. **Physiol Behav** 1982 Feb;28(2):281–7
Effect of odor quality and intensity on conditioned odor aversion learning in the rat. Panhuber H. **Physiol Behav** 1982 Jan;28(1):149–54
In utero taste/odor aversion conditioning in the rat. Stickrod G, et al. **Physiol Behav** 1982 Jan;28(1):5–7
The lack of recognition of lactating females by infant Octodon degus. White P, et al. **Physiol Behav** 1982 Apr; 28(4):623–5
Olfactory sensitivity in twins. Hubert HB, et al.
Prog Clin Biol Res 1981;69 Pt C:97–103
Olfactory hallucinations in Parkinson's disease [letter] Sandyk R. **S Afr Med J** 1981 Dec 19;60(25):950
[The isolated olfactory hallucinosis and the olfactory hallucinations in the endogenous psychoses (author's transl)] Gattaz WF, et al. **Fortschr Neurol Psychiatr** 1982 Mar;50(3):67–72 (Eng. Abstr.) **(Ger)**
[The psychotic syndrome of self smell delusion in childhood] Knitter H. **Padiatr Grenzgeb** 1981;20(6):415–22 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Short– and long–term decrements in toxicosis–induced odor–aversion learning: the role of duration of exposure to an odor. Westbrook RF, et al.
J Exp Psychol [Anim Behav] 1981 Oct;7(4):362–81
[Olfaction and dementia. Preliminary results of a clinical and experimental study with N–propanol] Richard J, et al.
Acta Neurol Belg 1981;81(6):333–51 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Ketone compound smelling ability: study in Hungarian twins. Forrai G, et al. **Acta Med Acad Sci Hung** 1981;38(2):153–8
Neuroendocrine aspects of the olfactory function. Balboni GC, et al. **Arch Ital Anat Embriol** 1981;86(1–2):1–17 (83 ref.)
Role of olfactory cues in the radial maze performance of rats. Burešová O, et al. **Behav Brain Res** 1981 Nov; 3(3):405–9
Lesions of the olfactory pathways affecting neophobia and learned aversion differentially. Royet JP, et al.
Behav Brain Res 1982 Mar;4(3):251–62
Olfactory regulation of responsiveness to novelty in mice. Misslin R, et al. **Behav Neural Biol** 1981 Oct;33(2):230–6
Demonstration of estrus–related odors in cow urine by operant conditioning of rats. Ladewig J, et al.
Biol Reprod 1981 Jun;24(5):1165–9
Ontogenesis of the functional activity of rat olfactory bulb: autoradiographic study with the 2–deoxyglucose method. Astic L, et al. **Brain Res** 1981 Sep;254(2):243–56
Metabolic mapping of functional activity in the olfactory projections of the rat: ontogenetic study. Astic L, et al.
Brain Res 1981 Aug;254(1):141–56
The olfactory bulb mitral cell responses in the gecko as studied by intracellular recording. Tonosaki K.
Brain Res 1982 Jan 7;231(1):204–8
Case report. The uncinate focus and dreaming. Epstein AW, et al. **Epilepsia** 1981 Oct;22(5):603–5
Functional anatomy of the olfactory organs in a green snake headed fish, Channa gachua (Ham.). Sinha RK, et al.
Folia Morphol (Praha) 1982;30(1):14–9
Studies on feminine sexual behavior in the male rat: influence of olfactory stimuli. Schaeffer C, et al. **Horm Behav** 1981 Dec;15(4):377–85
Absence of HLA association or linkage for variations in sensitivity to the odor of androstenone. Pollack MS, et al.
Immunogenetics 1982;15(6):579–89
A gas chromatographic (GLPC) model for the sense of smell. Variation of olfactory sensitivity with conditions of stimulation. Nachbar RB, et al. **J Theor Biol** 1981 Apr 7; 89(3):387–407
Olfactory and vomeronasal mediation of ultrasonic vocalizations in male mice. Bean NJ. **Physiol Behav** 1982 Jan;28(1):31–7
Testosterone reduces olfactory neophobia in male golden hamsters. Cornwell–Jones CA, et al. **Physiol Behav** 1981 Jun;26(6):973–7
Slow and fast wave activity in the olfactory system in cats during perception of pheromones. De Boer JN, et al.
Physiol Behav 1981 Aug;27(2):223–9
Odour of male and female rats changes hypothalamic aromatase and 5 alpha–reductase activity and plasma sex steroid levels in unisexually reared male rats. Dessi–Fulgheri F, et al. **Physiol Behav** 1982 Feb;28(2):231–5
A simple method of olfactory discrimination of urines for the Mongolian gerbil, Meriones unguiculatus. Gregg B, et al. **Physiol Behav** 1981 Jun;26(6):1133–6
Olfactory bulbectomy in infant rats: survival, growth and ingestive behaviors. Hill DL, et al. **Physiol Behav** 1981 Nov;27(5):811–7
Disruption of maternal retrieving by perioral anesthesia. Kenyon P, et al. **Physiol Behav** 1981 Aug;27(2):313–21
Conditioned cardiac response to the olfactory stimuli of amino acids in the channel catfish, Ictalurus punctatus. Little EE. **Physiol Behav** 1981 Oct;27(4):691–7
Olfactory pedunculotomy induced anosmia in the wolf (Canis lupus). Peterson EK, et al. **Physiol Behav** 1981 Sep; 27(3):543–6
Chemosensitivity of rat nasal trigeminal receptors. Silver WL, et al. **Physiol Behav** 1982 May;28(5):927–31
The role of odor in the maintenance of flavor aversion. Van Buskirk RL. **Physiol Behav** 1981 Aug;27(2):189–93
Mapping of odor–related neuronal activity in the olfactory bulb by high–resolution 2–deoxyglucose autoradiography. Lancet D, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):670–4
Changes in spatial patterns of rabbit olfactory EEG with conditioning to odors. Freeman WJ, et al.
Psychophysiology 1982 Jan;19(1):44–56
Olfacto–rhinomanometry (O.R.M.). Adema JM, et al.
Rhinology 1982 Mar;20(1):21–5
Recovery of olfactory function after bilateral bulbectomy. Wright JW, et al. **Science** 1982 Apr 16;216(4543):322–4
[Olfactory stimulation and contingent negative variation (CNV) (author's transl)] Gerull G, et al. **EEG EMG** 1981 Sep;12(3):125–7 (Eng. Abstr.) **(Ger)**
[An objective olfactory acuity test by the application of the respiratory function test (author's transl)] Kuroishi T.
Nippon Jibiinkoka Gakkai Kaiho 1981 Apr;84(4):390–9 (Eng. Abstr.) **(Jpn)**
[Studies on the olfactory fatigue by T & T olfactometer (author's transl)] Oka T.
Nippon Jibiinkoka Gakkai Kaiho 1981 Aug;84(8):850–7 (Eng. Abstr.) **(Jpn)**
[A study on relationship between several olfactory

examinations (author's transl)] Zusho H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Feb;84(2):154–60 (Eng. Abstr.) **(Jpn)**

[Development of human olfactory receptors] Piatkina GA. **Tsitologiia** 1982 Jan;24(1):11–6 (Eng. Abstr.) **(Rus)**

[Effect of visual and olfactory deprivation on acoustically-directed homing orientation in kittens] Lushchekin VS. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):553–5 **(Rus)**

[Role of species-specific acoustic signals in the 'homing' orientation of intact and olfactory deprived kittens] Lushchekin VS. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1171–8 (Eng. Abstr.) **(Rus)**

SMILING see under **FACIAL EXPRESSION**

SMOG

Chronic inhalation study of mice subjected to diethylhydroxylamine, nitroethane, and diethylamine hydrogen sulfite. Heicklen J, et al. **Environ Res** 1982 Apr; 27(2):277–89

SMOKE

Ethyl nitrite. The in vivo synthesis of a mutagenic substance from tobacco smoke and ethanol. MacDonald JC, et al. **Acta Chem Scand [B]** 1981;35(7):485–7

Cardiac and pulmonary anaphylaxis in guinea pigs and rabbits induced by glycoprotein isolated from tobacco leaves and cigarette smoke condensate. Levi R, et al. **Am J Pathol** 1982 Mar;106(3):318–25

Pediatric counseling and subsequent use of smoke detectors. Miller RE, et al. **Am J Public Health** 1982 Apr;72(4):392–3

Effect of cigarette smoke on human serum trypsin inhibitory capacity and antitrypsin concentration. Chowdhury P, et al. **Am Rev Respir Dis** 1982 Jul;126(1):177–9

Reduction of the elastase inhibitory capacity of alpha 1-antitrypsin by peroxides in cigarette smoke: an analysis of brands and filters. Cohen AB, et al. **Am Rev Respir Dis** 1982 Jul;126(1):25–30

Vascular effects of cigarette smoke in isolated pig lungs. Gilman MJ, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):549–53

Deposition of sidestream cigarette smoke in the human respiratory tract. Hiller FC, et al. **Am Rev Respir Dis** 1982 Apr;125(4):406–8

Effect of cigarette smoke and dietary cholesterol on plasma lipoprotein composition. Hojnacki JL, et al. **Artery** 1981; 9(4):285–304

Coal smoke and cigarette smoke [editorial] Ebert RV. **ASDC J Dent Child** 1981 Jul–Aug;48(4):257, 313–4

Myocardial morphology in rabbits exposed to various gas-phase constituents of tobacco smoke—an ultrastructural study. Hugod C. **Atherosclerosis** 1981 Oct; 40(2):181–90

Inhibition of human leucocyte elastase activity by cigarette smoke. Ejiofor A, et al. **Biosci Rep** 1981 Sep;1(9):715–20

Ontogenetic variation in rat liver, lung and kidney monooxygenase induction by low doses of benzo(A)pyrene and cigarette-smoke condensate. van Cantfort J, et al. **Br J Cancer** 1981 Dec;44(6):902–10

Mitotic activity of airway epithelium after short exposure to tobacco smoke and the effect of the anti-inflammatory agent phenylmethyloxadiazole. Bolduc P, et al. **Br J Exp Pathol** 1981 Oct;62(5):461–8

Variation in response to cytotoxicity of cigarette smoke. Hopkin JM, et al. **Br Med J [Clin Res]** 1981 Nov 7; 283(6301):1209–11

A morphologic and physiologic bioassay for quantifying alterations in the lung following experimental chronic inhalation of tobacco smoke. Huber GL, et al. **Bull Eur Physiopathol Respir** 1981;17(2):269–327

Inhalation of toxic products from fires. Birky MM, et al. **Bull NY Acad Med** 1981 Dec;57(10):997–1013

Co-mutagenic effects of 2-aminoanthracene and cigarette smoke condensate on smoker's urine in the Ames Salmonella assay system. Hannan MA, et al. **Cancer Lett** 1981 Aug;13(3):203–12

Cigarette smoking may yield nitroarenes. McCoy EC, et al. **Cancer Lett** 1982 Jan;15(1):9–13

The electrophoretic mobility of alpha 1-proteinase inhibitor: effects of proteolysis and cigarette smoke. Stockley RA, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr; 363(4):387–93

Cytogenetic effects of cigarette smoke condensates in vitro and in vivo. Madle S, et al. **Hum Genet** 1981;59(4):349–52

Functional and metabolic properties of alveolar macrophages in response to the gas phase of tobacco smoke. Drath DB, et al. **Infect Immun** 1981 Oct;34(1):11–5

Staining of composite resins by cigarette smoke. Raptis CN, et al. **J Oral Rehabil** 1982 Jul;9(4):367–71

A survey of pathological changes associated with long-term high tar tobacco smoke exposure in a murine model. Keast D, et al. **J Pathol** 1981 Dec;135(4):249–57

Enhancement of skin tumorigenesis by cigarette smoke condensate following beta-irradiation in rats. McGregor JF. **JNCI** 1982 Apr;68(4):605–11

Induction of sister-chromatid exchange in human lymphocytes by smoke condensates from different brands of cigarette. Sorsa M, et al. **Mutat Res** 1982 Feb; 103(2):149–53

Mutagenicity of smoke condensates induced by CO2-laser irradiation and electrocauterization. Tomita Y, et al. **Mutat Res** 1981 Jun;89(2):145–9

In vivo and in vitro effects of cigarette smoke on chromosomal damage and sister-chromatid exchange in human peripheral blood lymphocytes. Vijayalaxmi, et al. **Mutat Res** 1982 Feb 22;92(1–2):321–32

Some acute cardiopulmonary effects of mainstream and sidestream cigarette smoke in man. Ohkubo C. **Prev Med** 1982 Mar;11(2):173–86

The effect of cigarette smoke on the metabolism of arachidonic acid in isolated hamster lungs. Männistö J, et al. **Prostaglandins** 1981 Aug;22(2):195–204

The metabolism of arachidonic acid in isolated rat lungs is not changed during cigarette smoke ventilation. Männistö J, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):23–6

Lung carcinogenesis during in vivo cigarette smoking and radon daughter exposure in rats. Chameaud J, et al. **Recent Results Cancer Res** 1982;82:11–20

Epithelial lesions induced by alpha particles and cigarette smoke condensates in organotypic culture of human bronchus. Morais R, et al. **Recent Results Cancer Res** 1982; 82:21–31

Response to the central and peripheral airways to cigarette smoking in human and rats. Melville GN, et al. **Respiration** 1982;43(1):29–34

Smoke-filled rooms and lower respiratory disease in infants. Kossove D. **S Afr Med J** 1982 Apr 24;61(17):622–4

Smoke stain accumulation on restorative dental materials and hard tooth tissues after polishing with prophylaxis pastes. Roulet-Mehrens T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):487–96

Effect of tobacco smoke exposure on rat tracheal submucosal glands: an ultrastructural study. Lewis DJ, et al. **Thorax** 1981 Aug;36(8):622–4

Influence of pretreatment with tobacco smoke condensate or 3-methylcholanthrene on [14C] benzo (a) pyrene metabolism in the isolated perfused rabbit lung. Lubawy WC, et al. **Toxicol Lett** 1980 Dec;7(2):153–9

Effects of tobacco smoke compounds on the ciliary activity of the embryo chicken trachea in vitro. Pettersson B, et al. **Toxicology** 1982;23(1):41–55

[The effects of cigarette smoke condensates on the frequency of sister chromatid exchange in isolated human peripheral lymphocytes (author's transl)] Cai YY. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):684–6 (Eng. Abstr.) **(Chi)**

[The effect of cigarette-smoke condensates on frequency of sister chromatid exchange (SCE) in human lymphocytes in vitro (author's transl)] Lin Z. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):284–6 **(Chi)**

[Harmful effects of tobacco smoke (author's transl)] Chrétien J. **Bull Eur Physiopathol Respir** 1981;17(2):135–44 **(Fre)**

ANALYSIS

Assessment of the carcinogenic N-nitrosodiethanolamine in tobacco products and tobacco smoke. Brunnemann KD, et al. **Carcinogenesis** 1981;2(11):1123–7

Respiratory illness in British schoolchildren and atmospheric smoke and sulphur dioxide 1973–7. I: cross-sectional findings. Melia RJ, et al. **J Epidemiol Community Health** 1981 Sep;35(3):161–7

Respiratory illness in British schoolchildren and atmospheric smoke and sulphur dioxide 1973–7. II: longitudinal findings. Melia RJ, et al. **J Epidemiol Community Health** 1981 Sep; 35(3):168–73

Bioassay of a cigarette smoke fraction, II. Experimental design and potency estimations. Donnelly GM, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):419–44

Bioassay of a cigarette smoke fraction. I. Examination of dose-response relations and dilution bioassay assumptions in a ciliostasis system. Donnelly GM, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):405–17

Radioactivity in cigarette smoke [letter] **N Engl J Med** 1982 Jul 29;307(5):309–13

Radioactivity in cigarette smoking [letter] Winters TH, et al. **N Engl J Med** 1982 Feb 11;306(6):364–5

The origin of manganese in cigarette smoke and ash. Blum JK, et al. **Naturwissenschaften** 1982 Feb;69(2):93–4

Cigarette smoke contains anticoagulants against fibrin aggregation and factor XIIIa in plasma. Galanakis DK, et al. **Science** 1982 Aug 13;217(4560):642–5

The cardiotoxicity of hydrogen cyanide as a component of polymer pyrolysis smokes. O'Flaherty EJ, et al. **Toxicol Appl Pharmacol** 1982 May;63(3):373–81

The cardiotoxicity of carbon monoxide as a component of polymer pyrolysis smokes. Thomas WC, et al. **Toxicol Appl Pharmacol** 1982 May;63(3):363–72

The tumourigenicity of smoke condensates from cigarettes containing different amounts of cytrel, as assessed by mouse skin painting. Coggins CR, et al. **Toxicology** 1982; 23(2–3):177–85

Air quality in selected urban areas 1977–1978. WHO Collaborating Centre on Environmental Pollution Control, United States Environmental Protection Agency, Washington, DC, USA. **WHO Offset Publ** 1980;(57):1–71

[Determination of hazardous components in the smoke of liquified petroleum gas (author's transl)] Xu ZF. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):145–7 **(Chi)**

SMOKE INHALATION see **BURNS, INHALATION**

SMOKING

see related
TOBACCO USE DISORDER

Smoking and circulating IgE in bronchial carcinoma. Hällgren R, et al. **Acta Med Scand** 1982;211(4):269–73

Health consequences of giving up smoking in a prospective population study of middle-aged Swedish men. Hjalmarsson A, et al. **Acta Med Scand** 1981;210(1–2):93–6

Coffee consumption, cigarette smoking and reporting of drowsiness in anxious patients treated with benzodiazepines or placebo. Downing RW, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):398–408

Assessment of the relationship between self-reported smoking rate and Ecolyzer measurement. Colletti G, et al. **Addict Behav** 1982;7(2):183–8

Effects of infarct size, smoking, physical activity and some psychological factors on prognosis after myocardial infarction. Wilhelmsen L, et al. **Adv Cardiol** 1982;29:119–25

Tobacco smoking, ageing and health among the elderly: a longitudinal population study of 70-year-old men and an age cohort comparison. Mellström D, et al. **Age Ageing** 1982 Feb;11(1):45–58

How to help patients stop smoking. Ahmed MB, et al. **Am Fam Physician** 1982 Feb;25(2):133–6

Effects of cigarette smoking on pulmonary function in asymptomatic asbestos workers with normal chest radiograms. Hall SK, et al. **Am Ind Hyg Assoc J** 1982 Jun; 43(6):381–6

Ascorbic acid in smokers [letter] Ginter E. **Am J Clin Nutr** 1982 May;35(5):1043–5

Relationship of weight loss and cigarette smoking to changes in high-density lipoprotein cholesterol. Rabkin SW, et al. **Am J Clin Nutr** 1981 Sep;34(9):1764–8

Smoking and its effects on body weight and the systems of caloric regulation. Wack JT, et al. **Am J Clin Nutr** 1982 Feb;35(2):366–80 (153 ref.)

Smoking and pregnancy [letter] Cunningham DG. **Am J Dis Child** 1982 Jan;136(1):82

Smoking as a risk factor in cancer of the cervix: additional evidence from a case-control study. Clarke EA, et al. **Am J Epidemiol** 1982 Jan;115(1):59–66

Interaction of alcohol and tobacco in laryngeal cancer. Flanders WD, et al. **Am J Epidemiol** 1982 Mar;115(3):371–9

Nicotine exposure and Parkinson disease. Haack DG, et al. **Am J Epidemiol** 1981 Aug;114(2):191–200

ABH secretor status and pulmonary function. Haines AP, et al. **Am J Epidemiol** 1982 Mar;115(3):367–70

Clinical characteristics and cigarette smoking in relation to prognosis of angina pectoris in Framingham. Hubert HB, et al. **Am J Epidemiol** 1982 Feb;115(2):231–42

Air pollution as a risk factor in lung cancer. Vena JE. **Am J Epidemiol** 1982 Jul;116(1):42–56

The relationship between the geographic distribution of lung cancer incidence and cigarette smoking in Allegheny County, Pennsylvania. Weinberg GB, et al. **Am J Epidemiol** 1982 Jan;115(1):40–58

Cigarette smoking does not produce or enhance the radiologic appearance of pulmonary fibrosis. Kilburn KH. **Am J Industr Med** 1981;2(3):305–8

Small airway testing and smoking in predicting risk in surgical patients. Poe RH, et al. **Am J Med Sci** 1982 Mar–Apr;283(2):57–63

Maternal smoking and elevation of catecholamines and metabolites in the amniotic fluid. Divers WA Jr, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):625–8

Cigarette smoke and sudden infant death syndrome. Fribourg S. **Am J Obstet Gynecol** 1982 Apr 1;142(7):934

Significant correlation between maternal hemodynamics and fetal heart rate variability. Kariniemi V, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):43–6

Cadmium levels in maternal blood, fetal cord blood, and placental tissues of pregnant women who smoke. Kuhnert PM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1021–5

Maternal smoking and birth weight in relation to dietary habits. Papoz L, et al. **Am J Obstet Gynecol** 1982 Apr 1; 142(7):870–6

Maternal smoking causes fetal hypoxia: experimental evidence. Socol ML, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):214–8

Development trends of first cigarette smoking experience of children: the Bogalusa heart study. Baugh JG, et al. **Am J Public Health** 1982 Oct;72(10):1161–4

Minor error noted in study on child health in smokers' families [letter] Bonham GS, et al. **Am J Public Health** 1982 Apr;72(4):403

Brand preference and advertising recall in adolescent smokers: some implications for health promotion. Chapman S, et al. **Am J Public Health** 1982 May;72(5):491–4

Recent trends in coronary risk factors in the USSR. Cooper R, et al. **Am J Public Health** 1982 May;72(5):431–40

Parental smoking and the risk of childhood asthma. Gortmaker SL, et al. **Am J Public Health** 1982 Jun; 72(6):574–9

Lung cancer mortality and smoking habits: Mexican-American women. Holck SE, et al. **Am J Public Health** 1982 Jan;72(1):38–42

Non-nutritive sweeteners and bladder cancer. Hoover R, et al. **Am J Public Health** 1982 Apr;72(4):382–3

A color-matching technique for monitoring tar/nicotine

yields to smokers. Kozlowski LT, et al. **Am J Public Health** 1982 Jun;72(6):597–9

Asbestos workers and lung cancer [letter] Kristein MM. **Am J Public Health** 1981 Dec;71(12):1409

Saliva thiocyanate: a chemical indicator of cigarette smoking in adolescents. Luepker RV, et al. **Am J Public Health** 1981 Dec;71(12):1320–4

Progress in primary prevention: the smoking-health issue [editorial] Milio N. **Am J Public Health** 1982 May; 72(5):428–9

Change in smoking status among school-aged youth: impact of a smoking-awareness curriculum, attitudes, knowledge and environmental factors. Pederson LL, et al. **Am J Public Health** 1981 Dec;71(12):1401–4

Stress and smoking in hospital nurses. Tagliacozzo R, et al. **Am J Public Health** 1982 May;72(5):441–8

The interaction of cigarette smoking, oral contraceptive use, and cardiovascular risk factor variables in children: the Bogalusa Heart Study. Webber LS, et al. **Am J Public Health** 1982 Mar;72(3):266–74

Health beliefs and smoking behavior. Weinberger M, et al. **Am J Public Health** 1981 Nov;71(11):1253–5

A study of carboxyhaemoglobin levels of cigarette and sheesha smokers in Saudi Arabia. Zahran F, et al. **Am J Public Health** 1982 Jul;72(7):722–4

The relationship of serum immunoglobulin E to cigarette smoking. Burrows B, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):523–5

The UCLA population studies of chronic obstructive respiratory disease. IV. Respiratory effect of long-term exposure to photochemical oxidants, nitrogen dioxide, and sulfates on current and never smokers. Detels R, et al. **Am Rev Respir Dis** 1981 Dec;124(6):673–80

T-lymphocyte subsets in smoking and lung cancer: Analysis of monoclonal antibodies and flow cytometry. Ginns LC, et al. **Am Rev Respir Dis** 1982 Aug;126(2):265–9

Tuberculosis and lung cancer risk in nonsmoking women. Hinds MW, et al. **Am Rev Respir Dis** 1982 Jun;125(6):776–8

Human alveolar macrophages: a lesion in arachidonic acid metabolism in cigarette smokers. Laviolette M, et al. **Am Rev Respir Dis** 1981 Oct;124(4):397–401

Significance of small airway tests in middle-aged smokers. Nemery B, et al. **Am Rev Respir Dis** 1981 Sep;124(3):232–8

Changes in lung function after smoking cessation: an assessment from a cross-sectional survey. Nemery B, et al. **Am Rev Respir Dis** 1982 Jan;125(1):122–4

Effect of cigarette tar content and smoking habits on respiratory symptoms in women. Schenker MB, et al. **Am Rev Respir Dis** 1982 Jun;125(6):684–90

Monitoring smoking patterns of low and high tar cigarettes with inductive plethysmography. Tobin MJ, et al. **Am Rev Respir Dis** 1982 Aug;126(2):258–64

Bronchoalveolar fibronectin in smokers and nonsmokers. Villiger B, et al. **Am Rev Respir Dis** 1981 Nov;124(5):652–4

Patterns of pulmonary perfusion scans in normal subjects. Wallace JM, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):465–7

Image analysis of atypical bronchial squamous epithelial cells. A quantitative and qualitative examination of squamous cell carcinogenesis. Winkler DG, et al. **Anal Quant Cytol** 1981 Dec;3(4):295–98

Asymptomatic smokers: ASA I or II? [letter] Bayes J. **Anesthesiology** 1982 Jan;56(1):76

Cigarette smoking and the age at menopause. Adena MA, et al. **Ann Hum Biol** 1982 Mar–Apr;9(2):121–30

Cancer society sees reduction in smokers. **AORN J** 1982 Jan; 35(1):151

Melanoacanthoma of the lip [letter] Matsuoka LY, et al. **Arch Dermatol** 1982 May;118(5):290

Effects of maternal smoking on fetal growth and nutrition. Bosley AR, et al. **Arch Dis Child** 1981 Sep;56(9):727–9

Cigarette smoking among secondary schoolchildren 1975–79. Rawbone RG, et al. **Arch Dis Child** 1982 May;57(5):352–8

The effects of indoor pollution on Arizona children. Dodge R. **Arch Environ Health** 1982 May–Jun;37(3):151–5

Some physiological consequences of the rapid smoking treatment for cigarette addiction. Linberg SE, et al. **Arch Environ Health** 1982 Mar–Apr;37(2):88–92

The influence of cigarette smoking and age on bone loss in men. Sparrow D, et al. **Arch Environ Health** 1982 Jul–Aug; 37(4):246–9

Smoking, ignorance, and peripheral vascular disease. Clyne CA, et al. **Arch Surg** 1982 Aug;117(8):1062–5

Prevalence of severe arteriosclerosis obliterans in patients with diabetes mellitus. Relation to smoking and form of therapy. Beach KW, et al. **Arteriosclerosis** 1982 Jul–Aug; 2(4):275–80

Levels and interrelationships of serum and lipoprotein cholesterol and triglycerides. Association with adiposity and the consumption of ethanol, tobacco, and beverages containing caffeine. Phillips NR, et al. **Arteriosclerosis** 1981 Jan–Feb;1(1):13–24

Coal smoke and cigarette smoke [editorial] Ebert RV. **ASDC J Dent Child** 1981 Jul–Aug;48(4):257, 313–4

Smoking, alcohol and coronary artery occlusion. Barboriak JJ, et al. **Atherosclerosis** 1982 Jun;43(2–3):277–82

Effect of cigarette smoking on gastric secretion of 6-keto prostaglandin F1 alpha. Fung WP, et al. **Aust NZ J Med** 1982 Apr;12(2):206–8

Effect of cigarette smoking on duodenogastric reflux of bile acids. Yeomans ND, et al. **Aust NZ J Med** 1981 Aug; 11(4):347–50

Self-control of smoking--I. Effects of experience with imposed, increasing, decreasing and random delays. Newman A, et al. **Behav Res Ther** 1981;19(3):187–92

Self-control of smoking--II. Effects of cue salience and source of delay imposition on the effectiveness of training under increasing delay. Newman A, et al. **Behav Res Ther** 1981;19(3):193–200

Evaluation of a smoking typology by use of a specific behavioural substitution method of self-control. O'Connor KP, et al. **Behav Res Ther** 1982;20(3):279–88

Effect of cigarette smoking on high density lipoprotein phospholipids. Hegarty KM, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):212–9

Strong family history and cigarette smoking as risk factors of coronary artery disease in young adults. Chesebro JH, et al. **Br Heart J** 1982 Jan;47(1):78–83

Money and health messages as incentives for smoking low tar/nicotine cigarettes: changes in consumption and exhaled carbon monoxide. Jaffe JH, et al. **Br J Addict** 1982 Mar; 77(1):21–34

The reliability of smoking history amongst survivors of myocardial infarction. Ronan G, et al. **Br J Addict** 1981 Dec;76(4):425–8

Critique of a study of cancer incidence and alcohol/cigarette consumption in Hawaii. Hernandez-Llamas H, et al. **Br J Cancer** 1982 Jan;45(1):150–4

Rebuttal to a critique of a study of cancer incidence and alcohol/cigarette consumption in Hawaii. Hinds MW, et al. **Br J Cancer** 1982 Jul;46(1):142–6

Haemodynamic effects of cigarette smoking during beta-adrenoceptor blockade [letter] Freestone S, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):258–60

Cigarette smoking does not attenuate the cardiovascular effects of epoprostenol (prostacyclin) in humans. Hassan S, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):97–8

Effects of age and smoking on the pharmacokinetics of pindolol and propranolol. Hitzenberger G, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):217S–222S

Smoking and personality: a factorial study. Stanaway RG, et al. **Br J Clin Psychol** 1981 Sep;20(Pt 3):213–4

Mucus secretion by the epithelium of the bronchioles of cigarette smokers. Ebert RV, et al. **Br J Dis Chest** 1981 Jul;75(3):277–82

A comparison of antibody responses to Admune inactivated influenza vaccine in serum and respiratory secretions of healthy non-smokers, healthy cigarette-smokers and patients with chronic bronchitis. Knowles GK, et al. **Br J Dis Chest** 1981 Jul;75(3):283–90

Responses to cigarettes of various tar contents. Rees PJ, et al. **Br J Dis Chest** 1982 Apr;76(2):143–6

Comparative lung pathology of rats after exposure to cigarette and cigar smoke. Betts TE, et al. **Br J Exp Pathol** 1981 Aug;62(4):429–35

Effects of smoking and the pill on the blood count. Dodsworth H, et al. **Br J Haematol** 1981 Nov;49(3):484–8

Social and obstetric features associated with smoking in pregnancy. Cardozo LD, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):622–7

Cigarette smoke inhalation specifically inhibits depressor responses to prostacyclin in the rat. Boura AL, et al. **Br J Pharmacol** 1981 May;73(1):3–5

Smoking profiles of patients admitted for neurosis. Salmons P, et al. **Br J Psychiatry** 1981 Jul;139:43–6

Smoking and arterial reconstruction. Greenhalgh RM, et al. **Br J Surg** 1981 Sep;68(9):605–7

The measured effect of stopping smoking on intermittent claudication. Quick CR, et al. **Br J Surg** 1982 Jun;69 Suppl:S24–6

Smoking and vascular surgery. Thomas M. **Br J Surg** 1981 Sep;68(9):601–4 (65 ref.)

Occupational bladder cancer and cigarette smoking in West Yorkshire. Glashan RW, et al. **Br J Urol** 1981 Dec; 53(6):602–4

Effects of alcohol and smoking on blood lead in middle-aged British men [letter] **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1046–7

Non-smoking: a feature of ulcerative colitis [letter] **Br Med J [Clin Res]** 1982 Aug 7;285(6339):440

Cigarette consumption and biochemical measures of smoke intake [letter] **Br Med J [Clin Res]** 1982 Aug 14; 285(6340):507–8

Recovery of bronchial epithelium on stopping smoking. Bertram JF, et al. **Br Med J [Clin Res]** 1981 Dec 12; 283(6306):1567–9

Smoking, IgE, and occupational allergy [letter] Bonini S. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):512–3

Smoking and drinking by middle-aged British men [letter] Clough PW. **Br Med J [Clin Res]** 1982 Jan 23; 284(6311):271–2

Smoking in the Soviet Union. Cooper R. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):549–51

Smoking and drinking by middle-aged British men: effects of social class and town of residence. Cummins RO, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1497–502

Non-smoking: a feature of ulcerative colitis [letter] de Castella H. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1706

Nicotine concentrations in urine and saliva of smokers and non-smokers. Feyerabend C, et al. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):1002–4

Non-smoking: a feature of ulcerative colitis. Harries AD, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):706

Smoking habits and inflammatory bowel disease: effect on nutrition. Harries AD, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1161

Why smoke fewer cigarettes? Ho-Yen DO, et al. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1905–7

Smoking reduces insulin absorption from subcutaneous tissue. Klemp P, et al. **Br Med J [Clin Res]** 1982 Jan 23; 284(6311):237

High-density lipoprotein concentrations increase after stopping smoking [letter] Math MV. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):60–1

Smoking and IgE levels [letter] Pantin CF, et al. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):744

Smoking, coffee, and cancer of the pancreas [letter] Severson RK, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):214

Effects of alcohol and smoking on blood lead in middle-aged British men. Shaper AG, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):299–302

Drinking and smoking in the land of the long white cloud. Smith R. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1029–31

Would a medium-nicotine, low-tar cigarette be less hazardous to health? Stepney R. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1292–6

High-density lipoprotein concentrations increase after stopping smoking. Stubbe I, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1511–3

Contrasting patterns of coronary atherosclerosis in normocholesterolaemic smokers and patients with familial hypercholesterolaemia. Sugrue DD, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1358–60

Smoking among patients with malignant hypertension. Tuomilehto J, et al. **Br Med J [Clin Res]** 1982 Apr 10; 284(6322):1086

Blood carboxyhaemoglobin, plasma thiocyanate, and cigarette consumption: implications for epidemiological studies in smokers. Vesey CJ, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1516–8

Another smoking hazard: raised serum IgE concentration and increased risk of occupational allergy. Zetterström O, et al. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1215–7

Mucus clearance from the airways in chronic bronchitis--Smokers and ex-smokers. Agnew JE, et al. **Bull Eur Physiopathol Respir** 1982 May Jun;18(3):473–84

Changes in exhaled pulmonary diffusing capacity at rest and exercise in individuals with impaired positional diffusion. McClean PA, et al. **Bull Eur Physiopathol Respir** 1981; 17(2):179–86

Decreases in VC and FEV1 with time: indicators for effects of smoking and air pollution. van der Lende R, et al. **Bull Eur Physiopathol Respir** 1981;17(5):775–92

Myocardial mural arterial fibrosis and cigarette smoking: a comparative study 1955–1960 versus 1970–1977. Auerbach O, et al. **Bull NY Acad Med** 1981 Nov;57(9):759–75

Genetic analysis of quantitative characters in cigar and pipe tobacco Nicotiana tabacum II. Grades of cigar filler tobacco. Ogilvie IS, et al. **Can J Genet Cytol** 1981; 23(4):585–90

Proceedings of the conference smoking or health in the 80's. Toronto, Canada, May 28, 1981. **Can J Public Health** 1981 Nov–Dec;72(6):369–420

The smoking-induced epidemic. Doll R. **Can J Public Health** 1981 Nov–Dec;72(6):372–81

Chemical carcinogenesis and smoking. Farber E. **Can J Public Health** 1981 Nov–Dec;72(6):381–5 (30 ref.)

The pathophysiological consequences of smoking on the respiratory system. Jones NL. **Can J Public Health** 1981 Nov–Dec;72(6):388–90

The determinants of tobacco use: cigarette smoking in the context of other forms of tobacco use. Kozlowski LT. **Can J Public Health** 1981 Nov–Dec;72(6):396–401

Smoking or health [editorial] Last JM. **Can J Public Health** 1981 Nov–Dec;72(6):366–8 **(Eng, Fre)**

Maternal smoking in human reproduction. Low JA. **Can J Public Health** 1981 Nov–Dec;72(6):390–3

Cigarette smoking, atherosclerosis and its clinical complications. Mustard JF. **Can J Public Health** 1981 Nov–Dec;72(6):385–8 (34 ref.)

Self-treatment of smoking and obesity. Schachter S. **Can J Public Health** 1981 Nov–Dec;72(6):401–6

Smoking or health in the '80's. Timbrell D. **Can J Public Health** 1981 Nov–Dec;72(6):370–2

Smoking cessation: physician – make a stand [editorial] Baumgartner K. **Can Med Assoc J** 1982 Jan 15;126(2):101–2

Cigarette smoking and coronary heart disease [letter] Burch PR. **Can Med Assoc J** 1982 Jul 15;127(2):107, 111

In healthy habitual smokers acetylsalicylic acid abolishes the effects of tobacco smoke on the platelet aggregate ratio. Davis JW, et al. **Can Med Assoc J** 1982 Mar 15;126(6):637–9

Smoking habits of Winnipeg school students, 1960–80. Morison JB. **Can Med Assoc J** 1982 Jan 15;126(2):153–4

Study of smoking habits in hospital and attitudes of medical staff towards smoking. Senior SL. **Can Med Assoc J** 1982 Jan 15;126(2):131–3

Smoking and physicians [letter] Shalom J. **Can Med Assoc J** 1982 Sep 1;127(5):359–60

The impact of routine advice on smoking cessation from family physicians. Stewart PJ, et al. **Can Med Assoc J** 1982 May 1;126(9):1051–4

Does cigarette smoking cause coronary heart disease [editorial] Tweed WA. **Can Med Assoc J** 1982 Jan 15; 126(2):102, 104, 107

Parental smoking and infant morbidity [letter] Wigle DT, et al. **Can Med Assoc J** 1982 Jun 1;126(11):1277–8
Genetic/epidemiological findings in a study of smoking-associated tumors. Lynch HT, et al. **Cancer Genet Cytogenet** 1982 Jun;6(2):163–9
Determination of mutagens, amino-alpha-carbolines in grilled foods and cigarette smoke condensate. Matsumoto T, et al. **Cancer Lett** 1981 Mar;12(1–2):105–10
Evidence of a multiplicative effect between cigarette smoking and occupational exposures in the aetiology of bladder cancer. Vineis P, et al. **Cancer Lett** 1981 Dec;14(3):285–90
Lung cancer risks of smoking in Britain and the Antipodes. Elson LA, et al. **Carcinogenesis** 1981;2(2):161–2
Correlation between preneoplastic lesions in rat embryo lung treated with B[a]P or CSC in organ culture and tumour production in vivo. Michiels F, et al. **Carcinogenesis** 1981; 2(9):885–96
Treatment of angina pectoris with propranolol: the harmful effects of cigarette smoking. Deanfield J, et al. **Cardiology** 1981;68 Suppl 2:186–9
Trends in cigarette smoking among coronary patients between 1961 and 1975. Hickey N, et al. **Cardiology** 1981; 68(3):180–7
The management of smoking in the physician's 'workshop'. **Chest** 1982 Sep;82(3):359–61
Normal values of total respiratory resistance and reactance determined by forced oscillations: influence of smoking. Làndsér FJ, et al. **Chest** 1982 May;81(5):586–91
Assessment of time-volume and flow-volume components of forced vital capacity. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography in nonsmokers and smokers. Sackner MA, et al. **Chest** 1982 Sep;82(3):272–8
Assessment of density dependent flow-volume parameters in nonsmokers and smokers. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography. Sackner MA, et al. **Chest** 1982 Aug; 82(2):137–42
Cigarette smoking among Beijing high schoolers. Ye GS, et al. **Chin Med J [Engl]** 1982 Feb;95(2):95–100
The effects of cigarette smoke and nicotine on platelet thrombus formation in stenosed dog coronary arteries: inhibition with phentolamine. Folts JD, et al. **Circulation** 1982 Mar;65(3):465–70
Plasma catecholamines, platelet aggregation and associated thromboxane formation after physical exercise, smoking or norepinephrine infusion. Siess W, et al. **Circulation** 1982 Jul;66(1):44–8
Fetal cardiovascular system as influenced by maternal smoking. Asmussen I. **Clin Cardiol** 1979 Aug;2(4):246–56
Serum antibodies and immunoglobulins in smokers and nonsmokers. Andersen P, et al. **Clin Exp Immunol** 1982 Feb;47(2):467–73
Smoking behavior and tobacco smoke intake: response of smokers to shortened cigarettes. Chait LD, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):90–7
Effects of increasing urinary pH on cigarette smoking. Cherek DR, et al. **Clin Pharmacol Ther** 1982 Aug; 32(2):253–60
Cigarette smoking and theophylline clearance and metabolism. Grygiel JJ, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):491–6
Cigarette smoking and subjective response: effects of d-amphetamine. Henningfield JE, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):497–505
The caffeine CO2 breath test: dose response and route of N-demethylation in smokers and nonsmokers. Kotake AN, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):261–9
Effects of cimetidine on caffeine disposition in smokers and nonsmokers. May DC, et al. **Clin Pharmacol Ther** 1982 May;31(5):656–61
Cigarette smoking and chlorpromazine disposition and actions. Pantuck EJ, et al. **Clin Pharmacol Ther** 1982 Apr; 31(4):533–8
Codeine disposition in smokers and nonsmokers. Rogers JF, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):218–27
Reference values for respiratory function tests in males: prediction formulas with tobacco smoking parameters. Fridriksson HV, et al. **Clin Physiol** 1981 Aug;1(4):349–64
Flow-volume curves in healthy non-smokers and in smokers. Hedenstierna G, et al. **Clin Physiol** 1981 Aug;1(4):339–48
Cyanide and its relationship to nervous suffering. Physiopathological aspects of intoxication. Vincent M, et al. **Clin Toxicol** 1981 Dec;18(12):1519–27
Leukoedema – an epidemiologic study with special reference to the influence of tobacco habits. Axéll T, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):142–6
Contact dermatitis from a cigarette constituent. Neild V. **Contact Dermatitis** 1981 May;7(3):153–4
Synergistic effects of cigarette smoke extracts, benz (a) pyrene and nickel sulphate on morphological transformation of hamster embryo cells. Rivedal E, et al. **Dev Toxicol Environ Sci** 1980;8:259–63
Ranitidine in duodenal ulcer: incidence of healing and effect of smoking. Korman MG, et al. **Dig Dis Sci** 1982 Aug; 27(8):712–5
Effect of air pollution on chronic respiratory disease in the New York city metropolitan area, 1972. Lan SP, et al. **Environ Health Perspect** 1981 Dec;42:203–14
Effect of acute tobacco smoke inhalation on the mechanical responses of isolated rat cardiac muscle. Maher FA, et al. **Environ Res** 1981 Oct;26(1):87–94
Pulmonary tissue and cigarette smoke. 1. Cellular response to hydrocortisone. Matulionis DH. **Environ Res** 1982 Apr; 27(2):361–71
The influence of subsequent cigarette smoking habits on causes and mode of death in survivors of unstable angina or myocardial infarction. Mulcahy R, et al. **Eur Heart J** 1982 Apr;3(2):142–5
Smoking, blood pressure and serum cholesterol as risk factors of acute myocardial infarction and death among men in Eastern Finland. Salonen JT, et al. **Eur Heart J** 1981 Oct; 2(5):365–73
Pharmacokinetics of N-desmethyldiazepam after a single oral dose of clorazepate: the effect of smoking. Norman TR, et al. **Eur J Clin Pharmacol** 1981;21(3):229–33
Smoking and lung cancer – now. Huhti E. **Eur J Respir Dis** 1981 Jun;62(3):147–9
Total tobacco consumption in an unselected bronchial carcinoma population. Nõu E, et al. **Eur J Respir Dis** 1981 Jun;62(3):152–9
Bronchitis and exposure to man-made mineral fibres in non-smoking construction workers. Engholm G, et al. **Eur J Respir Dis [Suppl]** 1982;118:73–8
Smoking, respiratory symptoms and ventilatory capacity in young men. Kujala P. **Eur J Respir Dis [Suppl]** 1981; 62(114):1–55
Welding and bronchitis. Näslund PE, et al. **Eur J Respir Dis [Suppl]** 1982;118:69–72
Dust exposure, chronic bronchitis and emphysema. Smidt U. **Eur J Respir Dis [Suppl]** 1982;118:59–67
Experimental analysis of human cigarette smoking behavior. Griffiths RR, et al. **Fed Proc** 1982 Feb;41(2):234–40
Testicular varicoceles and tobacco consumption. Ducot B, et al. **Fertil Steril** 1981 Nov;36(5):686–7
Cigarette smoking and semen quality. Rodriguez-Rigau LJ, et al. **Fertil Steril** 1982 Jul;38(1):115–6
Endocrine profile and semen characteristics in male smokers. Shaarawy M, et al. **Fertil Steril** 1982 Aug;38(2):255–7
The effect of brain hemodynamics exerted by papaverine hydrochloride in conjunction with smoking and alcohol consumption. Vasileva T. **Folia Med (Plovdiv)** 1981; 23(1):26–31
Gastric acid secretion, smoke and duodenal ulcer healing [letter] Bianchi Porro G, et al. **Gastroenterology** 1982 Feb; 82(2):394–5
Smoking and ulcer healing [letter] Young GP, et al. **Gastroenterology** 1982 Jan;82(1):163
Influence of smoking and age on pharmacokinetics of beta-receptor blockers. Hitzenberger G, et al. **Gerontology** 1982;28 Suppl 1:93–100
Ultrastructural changes in preputial neural tissues: effects of maternal smoking. Amankwah KS, et al. **Gynecol Obstet Invest** 1982;13(3):164–76
Carcinogenic effects of radon daughters, uranium ore dust and cigarette smoke in beagle dogs. Cross FT, et al. **Health Phys** 1982 Jan;42(1):33–52
Increased sister chromatid exchange frequency in lymphocytes in healthy cigarette smokers. Husum B, et al. **Hereditas** 1982;96(1):85–8
Alcohol, tobacco, and hypertension. Friedman GD. et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):III143–50 (34 ref.)
Conspiracy of silence: this is the fourth of a five-part series on cigarette advertising. Davis RM. **IMJ** 1981 Mar; 159(3):184–5
Serum lipids and smoking habit in first degree relatives of patients of ischaemic heart disease. Vajpayee A, et al. **Indian Heart J** 1981 Nov-Dec;33(6):274–6
Multiple primary cancers. Vyas JJ, et al. **Indian J Cancer** 1981 Jun;18(2):118–22
Correlation of cigarette smoking with human serum antitrypsin activity. Chowdhury P. **Indian J Med Res** 1981 Nov;74:763–6
Blood pressure changes among boys smokers. Singhi S, et al. **Indian J Pediatr** 1981 May-Jun;48(392):337–8
Influence of smoking and alcohol consumption on blood lead levels. Grandjean P, et al. **Int Arch Occup Environ Health** 1981;48(4):391–7
Biological assessment of exposure in factories with second degree usage of cadmium compounds. Wibowo AA, et al. **Int Arch Occup Environ Health** 1982 Feb;49(3–4):265–73
And coffee too. Cameron P, et al. **Int J Addict** 1982 Apr; 17(3):569–74
Smoking behavior and exposure to 'dissonant' information. Tagliacozzo R. **Int J Addict** 1981 Oct;16(7):1149–59
Drugs (prescription, over-the-counter, social) and the young adult: use and attitudes. Vener AM, et al. **Int J Addict** 1982 Apr;17(3):399–415
A systems view of the smoking problem: perspective and limitations of the role of science in decision-making. Roberts EB, et al. **Int J Biomed Comput** 1982 Jan; 13(1):69–86
Differences in lung cancer risk from smoking among Japanese, Chinese and Hawaiian women in Hawaii. Hinds MW, et al. **Int J Cancer** 1981 Mar 15;27(3):297–302
Cancer of the oesophagus and the use of tobacco and alcoholic beverages in Transkei, 1975–6. McGlashan ND, et al. **Int J Cancer** 1982 Mar 15;29(3):249–56
Smoking and the development of metastases from malignant melanoma. Shaw HM, et al. **Int J Cancer** 1981 Aug 15; 28(2):153–6
Effect of smoking on phenylbutazone disposition. Garg SK, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jun; 20(6):289–90
Alcohol and mortality in the Busselton study. Cullen K, et al. **Int J Epidemiol** 1982 Mar;11(1):67–70
Future incidence of lung cancer: forecasts based on hypothetical changes in the smoking habits of males. Hakulinen T, et al. **Int J Epidemiol** 1981 Sep;10(3):233–40
Change in health behaviour in relation to estimated coronary heart disease risk during a community-based cardiovascular disease prevention programme. Salonen JT, et al. **Int J Epidemiol** 1981 Dec;10(4):343–54
Smoking, oral contraceptives, and thromboembolic disease. Sturtevant FM. **Int J Fertil** 1982;27(1):2–26
Smoking prevalence and beliefs among adult Scots: implications for health education. Aitken PP, et al. **Int J Health Educ** 1982;24(3):164–75
Adolescent attitudes to smoking: their influence on behaviour. Banks MH, et al. **Int J Health Educ** 1981; 24(1):39–44
Carcinoma of the oral cavity in relation to aryl hydrocarbon hydroxylase inducibility, smoking and dental status. Trell E, et al. **Int J Oral Surg** 1981 Apr;10(2):93–9
Trends in response to anti-smoking advice in patients with coronary heart disease between 1961 and 1975. Hickey N, et al. **Ir J Med Sci** 1981 Sep;150(9):262–4
Smoking and pregnancy outcome of adolescents. Carruth BR. **J Adolesc Health Care** 1981 Dec;2(2):115–20
Platelet monoamine oxidase activity and cigarette smoking. Norman TR, et al. **J Affective Disord** 1982 Mar;4(1):73–7
The relationship of serum immunoglobulin E, allergy skin tests, and smoking to respiratory disorders. Burrows B, et al. **J Allergy Clin Immunol** 1982 Sep;70(3):199–204
The relationship between smoking and total immunoglobulin E levels. Warren CP, et al. **J Allergy Clin Immunol** 1982 Apr;69(4):370–5
Smoking and oral cancer. **J Am Dent Assoc** 1982;Spec No:16C
Finger temperature after a finger-cooling test: influence of air temperature and smoking. Cleophas TJ, et al. **J Appl Physiol** 1982 May;52(5):1167–71
Bronchial responsiveness to inhaled methacholine in young asymptomatic smokers. Malo JL, et al. **J Appl Physiol** 1982 Jun;52(6):1464–70
Cigarette smoking and duodenal coating with barium. Rose C, et al. **J Can Assoc Radiol** 1982 Jun;33(2):77–9
Multivariate analysis of smoking and other risk factors for obstructive lung diseases and related symptoms. Lebowitz MD. **J Chronic Dis** 1982;35(9):751–8
Peptic ulcer disease and the tar and nicotine yield of currently smoked cigarettes. Petitti DB, et al. **J Chronic Dis** 1982; 35(7):503–7
Complement levels in cigarette smokers: elevation of serum concentrations of C5, C9, and C1-inhibitor. Wyatt RJ, et al. **J Clin Lab Immunol** 1981 Sep;6(2):131–5
Tobacco-alcohol amblyopia. Samples JR, et al. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):213–8
Increasing the involvement of teenage cigarette smokers in antismoking campaigns. Goldberg ME, et al. **J Commun** 1982 Winter;32(1):75–86
Cigarette smoking and voice fundamental frequency. Sorensen D, et al. **J Commun Disord** 1982 Mar;15(2):135–44
Cigarette smoking and malignant melanoma. Prognostic implications. Rigel DS, et al. **J Dermatol Surg Oncol** 1981 Nov;7(11):889–91
Smoking habits and carboxyhaemoglobin. A cross-sectional study of an urban population of middle-aged men. Janzon L, et al. **J Epidemiol Community Health** 1981 Dec; 35(4):271–3
Cigarette smoking among secondary schoolchildren in 1975. Prevalence of respiratory symptoms, knowledge of health hazards, and attitudes to smoking and health. Rawbone RG, et al. **J Epidemiol Community Health** 1978 Mar; 32(1):53–8
The effects of cigarette smoking on vigilance performance. Mangan GL. **J Gen Psychol** 1982 Jan;106(1st Half):77–83
Maternal and personality determinants of adolescent smoking behavior. Brook JS, et al. **J Genet Psychol** 1981 Dec; 139(Second Half):185–93
Predicting adolescents' intentions to smoke cigarettes. Chassin L, et al. **J Health Soc Behav** 1981 Dec;22(4):445–55
Forced vital capacity in smokers and non-smokers. Gosawi GR, et al. **J Indian Med Assoc** 1981 Dec 16;77(12):189–91
Smoking control: from the oncologist's point of view. Bates LH. **J Indiana State Med Assoc** 1982 May;75(5):322–4
Managing the cigarette-smoking patient in your practice. Kuebler TW. **J Indiana State Med Assoc** 1982 May; 75(5):326–8
Some fallacies of the Gori report on less hazardous cigarettes. Miller GH, et al. **J Indiana State Med Assoc** 1982 Apr; 75(4):264–7
Prediction of tracheobronchial colonization in current cigarette smokers with chronic obstructive bronchitis. Irwin RS, et al. **J Infect Dis** 1982 Feb;145(2):234–41
Lung cancer in women. A twenty-five year review. Mayo P, et al. **J Ky Med Assoc** 1982 May;80(5):275–7
Binding of soluble immune complexes by human monocytes and pulmonary macrophages: effects of cigarette smoking. Cosio FG, et al. **J Lab Clin Med** 1982 Sep;100(3):469–76
Effects of maternal smoking on the fetus. Phillips TC 3d. **J Med Assoc Ga** 1981 Nov;70(11):787–90
Analysis of the Damon Smoking Control Program a study of hypnosis on controlling cigarette smoking. Owens MV, et al. **J Okla State Med Assoc** 1981 Mar;74(3):65–70
On the separation of the intervention effects of diet and

antismoking advice on the incidence of major coronary events in coronary high risk men. The Oslo Study. Holme I. **J Oslo City Hosp** 1982 Mar-Apr;32(3-4):31-54
Cyclic nucleotide content in gingival tissue of smokers and non-smokers. Hedin CA, et al. **J Periodont Res** 1981 May; 16(3):337-43
Cigarette smoking, nicotine addiction, and relaxation. Silverstein B. **J Pers Soc Psychol** 1982 May;42(5):946-50
Human cigarette smoking: manipulation of number of puffs per bout, interbout interval and nicotine dose. Griffiths RR, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):256-65
The Cigarette Safety Act. McLoughlin E. **J Public Health Policy** 1982 Jun;3(2):226-8
The origins of the report of the Advisory Committee on Smoking and Health to the Surgeon General. Schuman LM. **J Public Health Policy** 1981 Mar;2(1):19-27
Analysis of coverage of tobacco hazards in women's magazines. Whelan EM, et al. **J Public Health Policy** 1981 Mar;2(1):28-35
Health, smoking and doctor' advice. Cooperstock R, et al. **J R Coll Gen Pract** 1982 Mar;32(236):174-8
Haemoglobin, smoking and peripheral vascular disease. Castleden WM, et al. **J R Soc Med** 1981 Aug;74(8):586-90
Smoking and subarachnoid haemorrhage. Taha A, et al. **J R Soc Med** 1982 May;75(5):332-5
Social adaptation to first grade and teenage drug, alcohol and cigarette use. Kellam SG, et al. **J Sch Health** 1982 May;52(5):301-6
Tobacco use and oral health. Seffrin JR, et al. **J Sch Health** 1982 Jan;52(1):59-62
The health of welders in naval dockyards: welding, tobacco smoking and absence attributed to respiratory diseases. McMillan GH. **J Soc Occup Med** 1981 Jul;31(3):112-8
Tobacco use in Micronesia. A preliminary discussion. Marshall M. **J Stud Alcohol** 1981 Sep;42(9):885-93
Exposure to carcinogenic chemicals and smoking increases urinary excretion of mutagens in humans. Dolara P, et al. **J Toxicol Environ Health** 1981 Jul-Aug;8(1-2):95-103
Pancreatic elastase activation as a possible indicator of the relative hazard of different cigarettes. Morosco GJ, et al. **J Toxicol Environ Health** 1981 Jul-Aug;8(1-2):89-94
Estimating the hazards of less hazardous cigarettes. II. Study of cigarette yields of nicotine, carbon monoxide, and hydrogen cyanide in relation to levels of cotinine, carboxyhemoglobin, and thiocyanate in smokers. Rickert WS, et al. **J Toxicol Environ Health** 1981 Mar-Apr; 7(3-4):391-403
Multiple risk factor intervention trial. Risk factor changes and mortality results. Multiple Risk Factor Intervention Trial Research Group. **JAMA** 1982 Sep 24;248(12):1465-77
Association between cigarette smoking and acute respiratory tract illness in young adults. Aronson MD, et al. **JAMA** 1982 Jul 9;248(2):181-3
New knowledge about nicotine effects [news] Check WA. **JAMA** 1982 May 7;247(17):2333, 2337-8
Plasma nicotine levels in pipe smokers. McCusker K, et al. **JAMA** 1982 Aug 6;248(5):577-8
Smoking, propranolol, and myocardial infarction [letter] McNabb ME. **JAMA** 1982 Sep 17;248(11):1309-10
Plasma nicotine levels produced by chewing nicotine gum. MNcNabb ME, et al. **JAMA** 1982 Aug 20;248(7):865-8
Update on the effects of smoking—1981. Schwartz AM. **JAOA** 1982 May;81(9):638-43
Pathogenesis of lesions induced in rat lung by chronic tobacco smoke inhalation. Heckman CA, et al. **JNCI** 1982 Jul;69(1):117-29
Smoking history and lung cancer survival in women. Hinds MW, et al. **JNCI** 1982 Mar;68(3):395-9
Esophageal cancer among black men in Washington, D.C. I. Alcohol, tobacco, and other risk factors. Pottern LM, et al. **JNCI** 1981 Oct;67(4):777-83
Smoking habits and occupational status. Covey LS, et al. **JOM** 1981 Aug;23(8):537-42
Smoking and duration of asbestos exposure in the production of functional and roentgenographic abnormalities in shipyard workers. Pearle JL. **JOM** 1982 Jan;24(1):37-40
Smoking and chewing habits of people of Karachi—1981. Mahmood Z. **JPMA** 1982 Feb;32(2):34-7
Disposition of oxazepam in relation to age, sex, and cigarette smoking. Ochs HR, et al. **Klin Wochenschr** 1981 Aug 17; 59(16):899-903
Nicotine, carbon monoxide, and heart disease [letter] **Lancet** 1981 Nov 7;2(8254):1044-5
Nicotine, carbon monoxide and heart disease [letter] **Lancet** 1982 Jan 2;1(8262):40-1
Cholesterol, smoking, and the Oslo study [letter] **Lancet** 1982 Feb 27;1(8270):503-4
Reduced prostacyclin production by cultured endothelial cells from umbilical arteries of babies born to women who smoke [letter] Busacca M, et al. **Lancet** 1982 Sep 11; 2(8298):609-10
Mutagenic urine from bladder cancer patients [letter] Garner RC, et al. **Lancet** 1982 Aug 14;2(8294):389
Degree of bronchial metaplasia in heavy smokers and its regression after treatment with a retinoid. Gouveia J, et al. **Lancet** 1982 Mar 27;1(8274):710-2
Effect of diet and smoking intervention on the incidence of coronary heart disease. Report from the Oslo Study Group of a randomised trial in healthy men. Hjermann I, et al. **Lancet** 1981 Dec 12;2(8259):1303-10
Cholesterol, smoking, and the Oslo Study [letter] Hjermann I, et al. **Lancet** 1982 May 1;1(8279):1015
Filter cigarettes and heart disease [letter] Lee PN. **Lancet** 1981 Sep 19;2(8247):642
Serum cotinine levels in pipe smokers: evidence against nicotine as cause of coronary heart disease. Wald NJ, et al. **Lancet** 1981 Oct 10;2(8250):775-7
Low platelet monoamine oxidase activity in cigarette smokers. Oreland L, et al. **Life Sci** 1981 Dec 14; 29(24):2511-8
Effect of LDL from smokers and non-smokers on cell mass, proliferation, and collagen secretion by rabbit smooth muscle cells and human skin fibroblasts in culture. Stavenow L, et al. **Med Biol** 1982 Jun;60(3):144-8
Smoking, lung cancer and hypothesis testing. Burch PR. **Med Hypotheses** 1981 Dec;7(12):1461-70
Tobacco-alcohol amblyopia: a proposed biochemical basis for pathogenesis. Dang CV. **Med Hypotheses** 1981 Nov; 7(11):1317-28 (67 ref.)
Nutritional support of central catecholaminergic tone may aid smoking withdrawal. McCarty MF. **Med Hypotheses** 1982 Jan;8(1):95-102
Cigarette smoking as a risk factor for atherosclerosis. Study of the biologic changes consecutive to smoking in normals, in patients with coronary heart disease and in diabetics. Bornemisza P, et al. **Med Interne** 1981 Jul-Sep;19(3):251-8
The relative importance of smoking compared to occupation in decreased pulmonary function. Barnes R. **Med J Aust** 1982 Jan 9;1(1):25-8
Smoking withdrawal and acupuncture. Fuller JA. **Med J Aust** 1982 Jan 9;1(1):28-9
Smoking: the role of Government [editorial] Gray N, et al. **Med J Aust** 1982 Jan 9;1(1):6-7
Patterns of tobacco smoking in Australia. Hill DJ, et al. **Med J Aust** 1982 Jan 9;1(1):23-5
Mortality risks in Australian men by occupational groups, 1968-1978: variations associated with differences in drinking and smoking habits. McMichael AJ, et al. **Med J Aust** 1982 Mar 20;1(6):253-6
Radioimmunoassay of nicotinamide nucleotide analogs of nicotine and cotinine. Shen WC. **Methods Enzymol** 1982; 84 Pt D:650-4
Viability of six species of normal oropharyngeal bacteria after exposure to cigarette smoke in vitro. Bardell D. **Microbios** 1981;32(127):7-13
Our leading cause of preventable death. Douglass BE. **Minn Med** 1981 Nov;64(11):660
Smoking and cancer. **MMWR** 1982 Feb 26;31(7):77-80
Common environmental influences on the fetus. Naeye RL. **Monogr Pathol** 1981;(22):52-66 (37 ref.)
Non-mutagenicity of urine from coffee drinkers compared with that from cigarette smokers. Aeschbacher HU, et al. **Mutat Res** 1981 Jun;89(2):161-77
Double-blind study on the effect of cigarette smoking on the chromosomes of human peripheral blood lymphocytes in vivo. Obe G, et al. **Mutat Res** 1982 Feb 22; 92(1-2):309-19
In vivo and in vitro effects of cigarette smoke on chromosomal damage and sister-chromatid exchange in human peripheral blood lymphocytes. Vijayalaxmi, et al. **Mutat Res** 1982 Feb 22;92(1-2):321-32
Mortality in cigarette smokers and quitters [letter] **N Engl J Med** 1981 Oct 8;305(15):889-90
Radioactivity in cigarette smoke [letter] **N Engl J Med** 1982 Jul 29;307(5):309-13
Adolescent cigarette smoking and tobacco chewing in Nebraska. Newman IM, et al. **Nebr Med J** 1981 Oct; 66(10):243-4
Diet and cancer of the esophagus. Mettlin C, et al. **Nutr Cancer** 1981;2(3):143-7
Smoking, the menopause and biochemical parameters of bone loss and bone turnover. Goulding A. **NZ Med J** 1982 Apr 14;95(705):218-20
Cigarette smoking, 1981 New Zealand population census [letter] Hay DR. **NZ Med J** 1982 Jan 27;95(700):52-3
Family history, cigarette smoking and other risk factors in patients with myocardial infarction. Woodhouse SP, et al. **NZ Med J** 1981 Dec 23;94(698):443-7
Birth weight-specific rates as a bias in the effects of smoking and other perinatal hazards. Terrin M, et al. **Obstet Gynecol** 1981 Nov;58(5):636-8
The prevalence of Candida albicans in the mouths of tobacco smokers with and without oral mucous membrane keratoses. Bastiaan RJ, et al. **Oral Surg** 1982 Feb; 53(2):148-51
Salivary immunoglobulin A levels in normal subjects, tobacco smokers, and patients with minor aphthous ulceration. Bennet KR, et al. **Oral Surg** 1982 May; 53(5):461-5
Tobacco smoking in Papua New Guinea. Brott K. **Papua New Guinea Med J** 1981 Dec;24(4):229-36
American Academy of Pediatrics. Committee on Genetics and Environmental Hazards. The environmental consequences of tobacco smoking: implications for public policies that affect the health of children. **Pediatrics** 1982 Aug;70(2):314-5
Carboxyhemoglobin concentration in fetal cord blood and in blood of mothers who smoked during labor. Bureau MA, et al. **Pediatrics** 1982 Mar;69(3):371-3
The pharmacology of nicotine dependence: a working hypothesis. Balfour DJ. **Pharmacol Ther** 1981;15(2):239-50 (57 ref.)
Smoking and drug metabolism. Dawson GW, et al. **Pharmacol Ther** 1981;15(2):207-21 (129 ref.)
Human smoking behavior and the development of dependence on tobacco smoking. Stepney R. **Pharmacol Ther** 1981;15(2):183-206 (133 ref.)
Leucoplakia of the oral cavity, smoking and arylhydrocarbon-hydroxylase inducibility. Andréasson L, et al. **Postgrad Med J** 1982 Mar;58(677):138-41
Relationships of the platelet aggregate ratio to serum cholesterol concentration, smoking and age. Davis JW, et al. **Postgrad Med J** 1981 Mar;57(665):150-2
The effect of anosmia on smoking habits. Peatfield RC, et al. **Postgrad Med J** 1981 Jan;57(663):1-3
Smoking, drinking, eating and sex. Some practical aspects of preventing deaths from cancer. Cust G. **Practitioner** 1981 Jun;225(1356):853-6
Smoking habits, knowledge, and attitudes of final year university students in the health professions. Ashley MJ. **Prev Med** 1981 Sep;10(5):645-54
Social learning effects on trial and adoption of cigarette smoking in children: The Bogalusa heart study. Hunter SM, et al. **Prev Med** 1982 Jan;11(1):29-42
Nicotine yields of cigarettes, plasma nicotine in smokers, and public health. Kozlowski LT, et al. **Prev Med** 1982 Mar; 11(2):240-4
A psychosocial model of smoking cessation and maintenance of cessation. Ockene JK, et al. **Prev Med** 1981 Sep; 10(5):623-38
Cigarette smoking and coronary heart disease in Puerto Rico. Sorlie PD, et al. **Prev Med** 1982 May;11(3):304-16
Smoking, oral contraceptives, and serum lipid and lipoprotein levels in youths. Voors AW, et al. **Prev Med** 1982 Jan; 11(1):1-12
Potential mechanism of emphysema: alpha 1-proteinase inhibitor recovered from lungs of cigarette smokers contains oxidized methionine and has decreased elastase inhibitory capacity. Carp H, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2041-5
Characteristics of smoking- discordant monozygotic twins. Friedman GD, et al. **Prog Clin Biol Res** 1981;69 Pt C:17-22
Cigarette smoking, use of alcohol, and leisure-time physical activity among same-sexed adult male twins. Kaprio J, et al. **Prog Clin Biol Res** 1981;69 Pt C:37-46
Smoking, personality and reasons for smoking. McManus IC, et al. **Psychol Med** 1982 May;12(2):349-56
Smoking behavior of scientists. Bryson R, et al. **Psychol Rep** 1981 Aug;49(1):55-62
Definitions of personal space: smokers versus non-smokers. Kunzendorf RG, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):818
Smoke yield of cigarettes and puffing behavior in men and women. Bättig K, et al. **Psychopharmacology (Berlin)** 1982; 76(2):139-48
Effects of smoking different doses of nicotine on human aggressive behavior. Cherek DR. **Psychopharmacology (Berlin)** 1981;75(4):339-45
Cigarette smoking and state-dependent memory. Peters R, et al. **Psychopharmacology (Berlin)** 1982;76(3):232-5
Smoking and attitudes to seat belt usage. Cliff KS, et al. **Public Health** 1982 Jan;96(1):48-52
'The Health Consequences of Smoking: Cancer,' overview of a report of the Surgeon General. Koop CE, et al. **Public Health Rep** 1982 Jul-Aug;97(4):318-24
The influence of cigarette smoking and its withdrawal on the annual change of lung function in pulmonary emphysema. Hughes JA, et al. **Q J Med** 1982 Spring; 51(202):115-24
The weed. Deeley TJ. **Radiography** 1982 Jul;48(571):143-5
Inhalation carcinogenesis: an overview. Chrétien J. **Recent Results Cancer Res** 1982;82:1-10 (45 ref.)
Pathogenesis of bronchial carcinoma, with special reference to morphogenesis and the influence on the bronchial mucosa of 20-methylcholanthrene and cigarette smoking. Nasiell M, et al. **Recent Results Cancer Res** 1982;82:53-68
Airway function in sarcoidosis: smokers versus nonsmokers. Dutton RE, et al. **Respiration** 1982 May-Jun;43(3):164-73
Response to the central and peripheral airways to cigarette smoking in human and rats. Melville GN, et al. **Respiration** 1982;43(1):29-34
Effect of smoking a cigarette on the density dependence of maximal expiratory flow. Taveira Da Silva AM, et al. **Respiration** 1982;43(4):258-62
Smoking and rheumatoid vasculitis. Struthers GR, et al. **Rheumatol Int** 1981;1(3):145-6
Economic aspects of smoking in South Africa. Yach D. **S Afr Med J** 1982 Jul 31;62(6):167-70
Erythrocyte filtration and smoking. Landgraf H, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:199-201
Short-term investigation on the influence of cigarette smoking upon plaque accumulation. Bergström J. **Scand J Dent Res** 1981 Jun;89(3):235-8
Smoking among Norwegian schoolchildren 1975-1980. I. Extent of smoking in the age group 12-15 years, 1975. Aarø LE, et al. **Scand J Psychol** 1981;22(3):161-9
Smoking among Norwegian schoolchildren 1975-1980. II. The influence of the social environment. Aarø LE, et al. **Scand J Psychol** 1981;22(4):297-309
Occupational bladder cancer and cigarette smoking in West Yorkshire. Cartwright R. **Scand J Work Environ Health** 1982;8 Suppl 1:79-82
Nonsmokers and cigarette smoke: a modified perception of risk [letter] Bock FG. **Science** 1982 Jan 8;215(4529):197
Smoking and health -- a social challenge [editorial] Feng PH. **Singapore Med J** 1981 Dec;22(6):312
Kava, alcohol and tobacco consumption among Tongans

with urbanization. Finau SA, et al. **Soc Sci Med** 1982; 16(1):35–41

The effects of peer and parental smoking and age on the smoking c.. eers of college women: a sex-related phenomenon. Gottlieb NH. **Soc Sci Med** 1982; 16(5):595–600

Smoking, chewing and drinking in Ban Pong. Northern Thailand. Mougne C, et al. **Soc Sci Med** 1982;16(1):99–106

Galsworthy's images of smoking in The Forsyte Chronicles. Charlton A. **Soc Sci Med** [a] 1981 Sep;15(5):633–8

Smoking habits and reported illness in two communities with different systems of social support. Philips BU Jr, et al. **Soc Sci Med** [a] 1981 Sep;15(5):625–31

Smoking, mortality, and six in a community hospital necropsy population. Anderson AE Jr, et al. **South Med J** 1981 Sep; 74(9):1097–100

Relation of blood pressure, serum lipids, and smoking to the risk of cerebral stroke. A longitudinal study in Eastern Finland. Salonen JT, et al. **Stroke** 1982 May–Jun; 13(3):327–33

Smoking habits of long-term survivors of surgery for lung cancer. Davison AG, et al. **Thorax** 1982 May;37(5):331–3

Intra-epithelial mast cells in human airway epithelium: evidence for smoking-induced changes in their frequency. Lamb D, et al. **Thorax** 1982 May;37(5):334–42

Objective in vivo analysis of anti-smoking cigarette filters. Sheahan NF, et al. **Thorax** 1981 Mar;36(3):213–6

Carbon monoxide in breath in relation to smoking and carboxyhaemoglobin levels. Wald NJ, et al. **Thorax** 1981 May;36(5):366–9

Alteration in plasma proteins and platelet functions with aging and cigarette smoking in healthy men. Chao FC, et al. **Thromb Haemost** 1982 Jun 28;47(3):259–64

Acute effect of cigarette smoking on serum angiotensin-converting enzyme activity in normal man. Mizuno K, et al. **Tohoku J Exp Med** 1982 May;137(1):11?–4

Influence of exercise and smoking on high density lipoprotein cholesterol in university students. Nakamura S. **Tohoku J Exp Med** 1981 Dec;135(4):443–4

Cigarette smoke inhalation and blood dose markers in beagle dogs. Nightingale TE, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):451–7

Inhalation bioassay of cigarette smoke in rats. Wehner AP, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):1–17

Changes in the minute ventilation of rats exposed to different concentrations of cigarette smoke. Coggins CR, et al. **Toxicol Lett** 1982 Apr;11(1–2):181–5

Factors affecting the distribution of tobacco smoke-induced lesions in the rodent larynx. Lewis DJ. **Toxicol Lett** 1981 Oct;9(2):189–94

The use of horseradish peroxidase to demonstrate degenerate cells in rat larynx after acute tobacco smoke exposure. Lewis DJ. **Toxicol Lett** 1981 Nov;9(3):195–9

Effect of maternal cigarette smoke exposure on foetuses of inbred strains of mice responsive and non-responsive to polycyclic aromatic hydrocarbons. Vähäkangas K, et al. **Toxicol Lett** 1982 Jan;10(1):81–6

The induction of rat lung aryl hydrocarbon hydroxylase by diluted smoke from commercial cigarettes. Bilimoria MH, et al. **Toxicology** 1981;22(3):205–10

Cigarette smoking by baboons: in vivo assessment of particulate inhalation using bronchoalveolar lavage to recover [14C]dotriacontane. Rogers WR, et al. **Toxicology** 1981;20(4):309–21

[Cigaret smoking and oral leukoplakia (author's transl)] Li HP. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):408–10 (Eng. Abstr.) **(Chi)**

[Neuroses and harmful habits of medical students at Charles University in Prague] Zivná J, et al. **Cesk Zdrav** 1982 Mar; 30(3):115–24 (Eng. Abstr.) **(Cze)**

[The suitability of hospital records for the study of lung cancer among non-smokers. A pilot study] Borch-Johnsen K, et al. **Ugeskr Laeger** 1981 Apr 27;143(18):1182–4 (Eng. Abstr.) **(Dan)**

[Passive smoking] Hugod C. **Ugeskr Laeger** 1981; 143(34):2181–4 (Eng. Abstr.) **(Dan)**

[Smoking habits among Danish physicians] Lauritzen JB, et al. **Ugeskr Laeger** 1981 Sep 7;143(37):2392–5 (Eng. Abstr.) **(Dan)**

[Effects of tobacco smoke on bronchoalveolar cells in man (author's transl)] Roth C, et al. **Bull Eur Physiopathol Respir** 1981;17(5):767–73 (Eng. Abstr.) **(Fre)**

[Cardiovascular and adrenal medullo-sympathetic reactions to acute tobacco poisoning] Dumas JP, et al. **C R Soc Biol (Paris)** 1981;175(6):866–9 (Eng. Abstr.) **(Fre)**

[Smoking: a problem for the physician today (author's transl) (editorial)] Arnold E. **Praxis** 1981 Oct 6;70(41):1781–2 **(Fre)**

[Action of carbon monoxide on the affinity of hemoglobulin for oxygen. Study in whole blood and stripped hemoglobin (author's transl)] Vanuxem D, et al. **Respiration** 1982; 43(1):45–50 **(Fre)**

[Cardiovascular effects of cigarette smoke in the rat. Aortic endothelial and myocardial capillary permeability in the rat] Bazin M, et al. **Rev Can Biol** 1981 Sep;40(3):263–76 (Eng. Abstr.) **(Fre)**

[Smoking and drinking habits of 14- to 19-year old adolescents-- studies in an industrial trade school of the regional town Suhl] Jalant W, et al. **Arztl Jugendkd** 1982 Mar;73(1):4–11 (Eng. Abstr.) **(Ger)**

[Exposure to tobacco tars and risk of lung cancer in smokers] Vutuc C. **Fortschr Med** 1982 Jan 28;100(4):109, 112–3 (Eng. Abstr.) **(Ger)**

[Smoking and pregnancy] Kunze M, et al. **Gynakol Rundsch** 1981;21(4):213–22 **(Ger)**

[The influence of different diets and smoking on the clinical chemical diagnosis of pheochromocytoma, neuroblastoma, and carcinoid syndrome (author's transl)] Heinemann G, et al. **Klin Wochenschr** 1981 Oct 15;59(20):1165–73 (Eng. Abstr.) **(Ger)**

[Increased mortality of smokers] Fessel M. **Lebensversicherungsmedizin** 1982 May 4;34(4):78–81 (Eng. Abstr.) **(Ger)**

[Morbidity of tobacco smokers – results of an Austrian health survey] Gredler B, et al. **Lebensversicherungsmedizin** 1981 Jul 30;33(6):138–41 (Eng. Abstr.) **(Ger)**

[The effect of 'chronic' smoking on the flow properties of blood] Landgraf H, et al. **Lebensversicherungsmedizin** 1981 Jul 30;33(6):135–8 (Eng. Abstr.) **(Ger)**

[Risk readiness of smokers and non-smokers] Greitemeyer M. **Med Welt** 1981 Nov 13;32(46):1730–3 **(Ger)**

[The effect of cigarette smoking and cold stress on the skin temperature of smokers and non-smokers] König C, et al. **Med Welt** 1981 Aug 21;32(34):1247–9 **(Ger)**

[Lung cancer in men under 40. Results of a case and control study on the significance of tobacco consumption] Vutuc C, et al. **MMW** 1982 Feb 5;124(5):101–2 **(Ger)**

[Tobacco condensate exposure and occupational history in female lung cancer patients] Vutuc C, et al. **Onkologie** 1981 Aug;4(4):184–7 (Eng. Abstr.) **(Ger)**

[Tobacco, alcohol and drugs in central Switzerland (author's transl)] Biener K. **Praxis** 1981 Oct 6;70(41):1783–6 (Eng. Abstr.) **(Ger)**

[Measurement of performance after cigarette smoking] Biener K, et al. **Schweiz Z Sportmed** 1980;28(3):77–82 **(Ger)**

[Female ex-smokers] Biener K. **Soz Praventivmed** 1981 Oct; 26(5):332–3 (Eng. Abstr.) **(Ger)**

[Smoking and consumption of cannabis products] Hornung R. **Soz Praventivmed** 1981 Oct;26(5):330–1 **(Ger)**

[Analysis of smoking behavior in cigarette smokers] Nil R, et al. **Soz Praventivmed** 1981 Oct;26(5):328–9 (Eng. Abstr.) **(Ger)**

[Tobacco and alcohol consumption in young men] Stransky M. **Soz Praventivmed** 1981 Sep;26(4):248–51 **(Ger)**

[Repulsion against smoking– a paradoxical subjective clinical symptom in smokers' pulmonary cancer with central localization (author's transl)] Dobre V. **Z Erkr Atmungsorgane** 1981;156(3):267–71 (Eng. Abstr.) **(Ger)**

[The pathological effects of smoking on the larynx (author's transl)] Görisch I, et al. **Z Erkr Atmungsorgane** 1981 May; 157(2):212–8 **(Ger)**

[Smoking among persons in higher age (author's transl)] Vértes L. **Z Erkr Atmungsorgane** 1981;156(3):272–6 (Eng. Abstr.) **(Ger)**

[Smoking habits of female students] Behncke K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):801–3 (Eng. Abstr.) **(Ger)**

[Smoking habits of mothers and fathers--bearings on birth weight and malformation of newborns (author's transl)] Estel C, et al. **Zentralbl Gynakol** 1982;104(9):563–7 (Eng. Abstr.) **(Ger)**

[Smoking and peptic ulcer (editorial)] Levy N. **Harefuah** 1981 Apr 1;100(7):347–8 **(Heb)**

[Smoking as a risk factor in ischemic heart disease in a rural population] Buzási G, et al. **Orv Hetil** 1982 Mar 14; 123(11):669–75 **(Hun)**

[Prevention or diagnosis of carbon monoxide poisoning: the serum concentration of thiocyanate as an indicator of the optional factor in poisoning] Gilli G, et al. **Ann Ist Super Sanita** 1981;17(3):661–4 **(Ita)**

[Negative effects of cigarette smoking on chemo-antibiotic therapy in patients with pulmonary tuberculosis] Parrella M, et al. **Arch Monaldi** 1980 Sep–Dec;35(5–6):313–26 (Eng. Abstr.) **(Ita)**

[Influence of alcohol intake and smoking on plasma HDL cholesterol in active and sedentary subjects] Bertolini S, et al. **Boll Soc Ital Biol Sper** 1982 Jan;58(1–2):45–9 (Eng. Abstr.) **(Ita)**

[Scanning electron microscopic studies of the umbilical arteries and veins of newborn infants of smoking mothers] Giacchi M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15; 57(21):2191–5 (Eng. Abstr.) **(Ita)**

[Bronchial mucociliary function. A new diagnostic technic] Todisco T, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15; 57(15):1642–8 (Eng. Abstr.) **(Ita)**

[The Brisighella study. I. Non-metabolic risk factors] Descovich GC, et al. **G Ital Cardiol** 1982;11(11):1582–90 (17 ref.) (Eng. Abstr.) **(Ita)**

[Behavior of the pulmonary instantaneous time constant in relation to cigarette smoke and to exposure to asbestos] Sulotto F, et al. **Med Lav** 1981 May–Jun;72(3):222–7 (Eng. Abstr.) **(Ita)**

[Effects of carbon monoxide on tissue oxygenation] Agostoni A. **Minerva Med** 1982 Sep 22;73(36):2387–9 **(Ita)**

[Cigarette smoke as a metabolic mediator of atherogenesis] Avogaro P. **Minerva Med** 1982 Sep 22;73(36):2391–5 **(Ita)**

[Attempt at a statistical demonstration of the 'carcinogenetic' role of cigarette smoke on the basis of results of an epidemiologic study of 2015 cases of pulmonary tumors hospitalized in Florence] Crisci C, et al. **Minerva Med** 1982 Sep 22;73(36):2357–8 **(Ita)**

[The components of tobacco smoke: does there exist a less toxic cigarette?] Cuckle HS. **Minerva Med** 1982 Sep 22; 73(36):2397–404 **(Ita)**

[Smoke and oncogenesis] Gravella E. **Minerva Med** 1982 Sep 22;73(36):2349–56 **(Ita)**

[Smoke and stomach diseases] Malesci A, et al. **Minerva Med** 1982 Sep 22;73(36):2345–8 **(Ita)**

[Congenital alpha 1-antitrypsin deficiency as an aggravating factor in alveolar injury from cigarette smoke] Massi G, et al. **Minerva Med** 1982 Sep 22;73(36):2383–5 **(Ita)**

[Current data on tobacco amblyopia] Miglior M, et al. **Minerva Med** 1982 Sep 22;73(36):2333–5 **(Ita)**

[Current knowledge of maternal–fetal damage from tobacco use. Evaluation of a study carried out on more than 1000 subjects] Moggian G, et al. **Minerva Med** 1982 Sep 22; 73(36):2359–62 **(Ita)**

[Cellular and biochemical parameters in the broncho-alveolar lavage fluid of smokers] Morcatili S, et al. **Minerva Med** 1982 Sep 22;73(36):2377–81 **(Ita)**

[Cigarette smoke in pregnancy] Pardi G, et al. **Minerva Med** 1982 Sep 22;73(36):2363–8 **(Ita)**

[Interpretation of laboratory tests in smokers] Peracino A. **Minerva Med** 1982 Sep 22;73(36):2405–8 **(Ita)**

[Smoke and health: medico-social aspects] Scozzarella E. **Minerva Med** 1982 Sep 22;73(36):2409–11 **(Ita)**

[Bronchiolo-alveolar changes in smokers] Fantoli U. **Recenti Prog Med** 1981 Oct;71(4):450–1 (7 ref.) **(Ita)**

[Effects of short smoking withdrawal on CO-Hb, 2, 3-DPG and P50 of blood and respiratory function (author's transl)] Matsubara Y, et al. **Masui** 1981 Dec;30(12):1333–9 (Eng. Abstr.) **(Jpn)**

[Comparative study on airway irritability response to smoking assessed by whole body plethysmography and forced oscillation method (author's transl)] Nakadate T, et al. **Nippon Eiseigaku Zasshi** 1981 Jun;36(2):533–40 (Eng. Abstr.) **(Jpn)**

[Effect of cigarette smoking on human gastric function (author's transl)] Ohzeki M. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):89–97 (Eng. Abstr.) **(Jpn)**

[Carcinogen in the development of head and neck cancer (Part 1) The influence of smoking and drinking (author's transl)] Miyahara H. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):47–53 (Eng. Abstr.) **(Jpn)**

[Effects of cigarette smoking on pulmonary functions and on plasma levels of serotonin, histamine and serum angiotensin I converting enzyme activity (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Oct;19(10):721–7 (Eng. Abstr.) **(Jpn)**

[The effect of cigarette smoking on the peripheral airways (author's transl)] Nagashima T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):286–91 (Eng. Abstr.) **(Jpn)**

[Experimental study for the gastric mucosal damage--especially, the effect of cigarette smoking on the healing course of acetic acid ulcer in rats (author's transl)] Chujoh C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2285–94 (Eng. Abstr.) **(Jpn)**

[Effect of cigarette smoking on the gastric hemodynamics.--Analysis by reflectance spectrophotometry (author's transl)] Kawano S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):187–92 (Eng. Abstr.) **(Jpn)**

[Effect of tobacco smoking on the electrogustometric threshold of taste perception] Jatczak J, et al. **Med Pr** 1981; 32(6):403–8 (Eng. Abstr.) **(Pol)**

[Variations in body weight as a function of age and smoking in physical workers] Kocieniewska D. **Med Pr** 1981; 32(5):343–8 (Eng. Abstr.) **(Pol)**

[Lead concentration in the blood and aminolevulinic acid dehydratase (ALAD) activity in the erythrocytes depending on sex, age, tobacco smoking and alcohol drinking in the group of persons exposed to industrial dust] Kuliczkowski K. **Med Pr** 1981;32(2):99–107 (Eng. Abstr.) **(Pol)**

[T-lymphocytes and their T-gamma and T-mu subpopulations in cigarette smokers] Kaszubowski P, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):101–5 (Eng. Abstr.) **(Pol)**

[Effect of cigarette smoking on neutrophilic bactericidal activity] Jakubusek-Przylipiak M, et al. **Pol Tyg Lek** 1981 Sep 7;36(36):1381–2 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on the cerebral blood vessels in rheoencephalographic studies] Pryszmont M. **Pol Tyg Lek** 1981 Apr 20;36(16):549–52 (Eng. Abstr.) **(Pol)**

[The relationship between cigarette smoking and prevalence of symptoms of ischaemic heart disease (IHD) (author's transl)] Rywik S, et al. **Przegl Lek** 1981;38(11):799–803 (Eng. Abstr.) **(Pol)**

[Effect of tobacco smoking on the cardiovascular system] Halawa B, et al. **Wiad Lek** 1981 Jul 15;34(14):1175–9 (56 ref.) **(Pol)**

[Effect of tobacco smoking in pregnant women on the course of pregnancy and labor and on the indices of normal development of newborn infants and children] Liber Z, et al. **Wiad Lek** 1981 Oct–Dec;34(20–24):1727–32 (24 ref.) (Eng. Abstr.) **(Pol)**

[Closing volume in normal subjects and smokers] Martinez D, et al. **AMB** 1981 Jun;27(6):173–6 (Eng. Abstr.) **(Por)**

[Effect of students' psychological set on smoking and effect of sociometric status, his style of social contact and need

for social contact on their nicotine habits] Lavrova IG, et al. **Gig Sanit** 1981 Aug;(8):49–51 **(Rus)**

[Effect of smoking on microcirculation in the vessels of bulbar conjunctiva in young patients with ischemic heart disease] Sirotin BZ, et al. **Ter Arkh** 1982;54(3):70–3 (Eng. Abstr.) **(Rus)**

[The effect of the duration of smoking on pulmonary function in young smokers] Mitić M, et al. **Srp Arh Celok Lek** 1982 Nov;109(11):1465–73 (Eng. Abstr.) **(Sec)**

[Female 'smoker's cancer' in SR Croatia (author's transl)] Kulčar Z, et al. **Lijec Vjesn** 1981 Aug;103(8):321–2 (Eng. Abstr.) **(Ser)**

[The adverse effects of smoking and methods of smoking prevention] Tomori Z. **Bratisl Lek Listy** 1981 Sep; 76(3):374–82 **(Slo)**

[Chronic nicotinism, ischaemic heart disease and systemic hypertension (author's transl)] Kollár J, et al. **Cas Lek Cesk** 1981 Apr 23;120(16):484–90 (Eng. Abstr.) **(Slo)**

[A long term study of the adult smoking population in the Trenčin area] Kratinová R, et al. **Vnitr Lek** 1982 May; 28(5):430–6 (Eng. Abstr.) **(Slo)**

[Smoking habits among students in the health sector] Marin F, et al. **Bol Of Sanit Panam** 1981 Sep;91(3):191–9 (Eng. Abstr.) **(Spa)**

[Effect of tobacco on the immune system. I. Production of the cell migration inhibition factor in the presence of tobacco extract as an antigen in smokers and non-smokers] Bernal-Madrazo MA, et al. **Gac Med Mex** 1981 Oct; 117(10):412–4 **(Spa)**

[Prevalence and characteristics of the use of some toxics among secondary school students in Santiago, Chile [author's transl] Florenzano Urzúa R, et al. **Rev Med Chil** 1981 Nov;109(11):1051–9 (Eng. Abstr.) **(Spa)**

[Cancer of the oral cavity in relation to smoking, AHH-inducibility and oral health] Andréasson L, et al. **Lakartidningen** 1981 Aug 26;78(35):2953–7 (Eng. Abstr.) **(Swe)**

HISTORY

Anti-smoking legislation: the New Jersey experience. Koplin AN. **J Public Health Policy** 1981 Sep;2(3):247–55

PREVENTION & CONTROL

Intervention of smoking and eating habits in healthy men carrying high risk for coronary heart disease. The Oslo Study. Hjermann I. **Acta Med Scand [Suppl]** 1981;651:281–4

Worksite smoking cessation initiatives: review and recommendations. Orleans CS, et al. **Addict Behav** 1982; 7(1):1–16 (77 ref.)

Feedback versus information concerning carbon monoxide as an early intervention strategy in adolescent smoking. Hansen WB, et al. **Adolescence** 1982 Spring;17(65):89–98

Associating smoking cessation with improved health [letter] Cohen SB. **Am J Psychiatry** 1982 Aug;139(8):1081–2

Smoking and depression [letter] Flanagan J, et al. **Am J Psychiatry** 1982 Apr;139(4):541

Recidivism and self-cure of smoking and obesity. Schachter S. **Am Psychol** 1982 Apr;37(4):436–44

The rapid-smoking technique: therapeutic effectiveness. Poole AD, et al. **Behav Res Ther** 1981;19(5):389–97

The rapid-smoking technique: subject characteristics and treatment outcome. Poole AD, et al. **Behav Res Ther** 1982; 20(1):1–7

Antismokers under attack [editorial] **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1281

A new year gift from the BBC to all smokers [editorial] **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1631

Practising prevention. Smoking. Fowler G. **Br Med J [Clin Res]** 1982 May 1;284(6325):1306–8

Drinking and smoking in the land of the long white cloud [letter] Hay DR. **Br Med J [Clin Res]** 1982 May 1; 284(6325):1338

Randomised controlled trial of nicotine chewing-gum. Jarvis MJ, et al. **Br Med J [Clin Res]** 1982 Aug 21; 285(6341):537–40

Policies and postures in smoking control. Marks L. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):391–5

An antismoking policy for Europe. Smith R. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):396–8

Controlling the epidemic: legislation and restrictive measures. Bjartveit K, et al. **Can J Public Health** 1981 Nov-Dec; 72(6):406–12

Prevention of smoking in elementary schools. Denson R, et al. **Can J Public Health** 1981 Jul-Aug;72(4):259–63

The role of public information and education in cigarette smoking controls. Farquhar JW, et al. **Can J Public Health** 1981 Nov-Dec;72(6):412–20

Government influence, media influence, and quitting smoking. Northcott HC, et al. **Can J Public Health** 1981 Nov-Dec;72(6):447–54

Smoking or health in the '80s? [editorial] Ashley MJ, et al. **Can Med Assoc J** 1981 Nov 15;125(10):1077–8

Randomized clinical trial of supportive follow-up for cigarette smokers in a family practice. Wilson D, et al. **Can Med Assoc J** 1982 Jan 15;126(2):127–9

Smoking or health in Ethiopia? Kitaw Y. **Ethiop Med J** 1981 Oct;19(4):149–55

Smoking and nurses. Scholes ME. **Health Bull (Edinb)** 1982 Mar;40(2):77–80

Hospitals challenged to restrict smoking [news] Riffer J. **Hospitals** 1982 Mar 16;56(6):20–1

The effect of differently worded no-smoking signs on smoking behavior. Dawley HH Jr, et al. **Int J Addict** 1981 Dec;16(8):1467–71

The discouragement of smoking in a hospital setting: the importance of modeled behavior. Dawley HH Jr, et al. **Int J Addict** 1981 Jul;16(5):905–10

Utility of behavioral self-help manuals in a minimal-contact smoking cessation program. Pederson LL, et al. **Int J Addict** 1981 Oct;16(7):1233–9

Cigarette smoking and drug use in schoolchildren. II. Factors associated with smoking. O'Connell DL, et al. **Int J Epidemiol** 1981 Sep;10(3):223–31

Impact of a national campaign on smoking attitudes and patterns in Austria. Gredler B, et al. **Int J Health Educ** 1981;24(4):271–9

Cigarette smoking—a public scandal. Mulcahy R. **Ir Med J** 1981 Jun;74(6):152

Follow-up study of hypnotherapy for smoking. Sheehan DV, et al. **J Am Soc Psychosom Dent Med** 1982;29(1):6–16

Behavioral approaches to smoking cessation—I. A decade of research progress 1969–79. Orleans CT, et al. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):125–9

Behavioral approaches to smoking cessation—II. Topical bibliography 1969–1979. Orleans CT, et al. **J Behav Ther Exp Psychiatry** 1981 Jun;12(2):131–44

Is there a future for smoking cessation programs? Stachnik TJ, et al. **J Community Health** 1981 Fall;7(1):47–56

Self-efficacy and relapse in smoking cessation programs. Condiotte MM, et al. **J Consult Clin Psychol** 1981 Oct; 49(5):648–58

Self-help books and amount of therapist contact in smoking cessation programs. Glasgow RE, et al. **J Consult Clin Psychol** 1981 Oct;49(5):659–67

Relapse following smoking cessation: a situational analysis. Shiffman S. **J Consult Clin Psychol** 1982 Feb;50(1):71–86

Maintenance of smoking cessation: effect of follow-up letters, smoking motivation, muscle tension, and health locus of control. Shipley RH. **J Consult Clin Psychol** 1981 Dec; 49(6):982–4

Action on smoking health. **J Public Health Policy** 1982 Mar; 3(1):9–11

The politics of smoking prevention: a report from the field. Brumback CL. **J Public Health Policy** 1981 Mar;2(1):36–41

Anti-smoking education in Oxfordshire general practices. Jamrozik K, et al. **J R Coll Gen Pract** 1982 Mar; 32(236):179–83

The Minnesota smoking prevention program: a seventh-grade health curriculum supplement. Arkin RM, et al. **J Sch Health** 1981 Nov;51(9):611–6

Smoking regulation in restaurants and health-care facilities [letter] Barr SH, et al. **N Engl J Med** 1982 Apr 1;306(13):812

Children, smoking and the law. National Heart Foundation of New Zealand [editorial] Hay DR. **NZ Med J** 1982 May 26;95(708):348

Acupuncture and smoking [letter] Schneideman I. **NZ Med J** 1981 Oct 14;94(693):276

A controlled trial of nicotine chewing gum in a smoking withdrawal clinic. Fee WM, et al. **Practitioner** 1982 Jan; 226(1363):148–51

The efficacy of a multicomponent approach to the prevention of cigarette smoking. Botvin GJ, et al. **Prev Med** 1982 Mar; 11(2):199–211

The multiple risk factor intervention trial (MRFIT). V. Intervention on smoking. Hughes GH, et al. **Prev Med** 1981 Jul;10(4):476–500

Evaluating an early secondary smoking prevention intervention. Jason LA, et al. **Prev Med** 1982 Jan; 11(1):96–102

The prevention SCIT: developing a system for communicating smoking and cancer issues to teachers. Harsen JM, et al. **Prog Clin Biol Res** 1982;83:373–9

Target-setting self-control for smoking. Hills AA. **Psychol Rep** 1982 Feb;50(1):68–70

Life changes, cessation and maintenance of smoking: a preliminary report. Prochaska JO, et al. **Psychol Rep** 1982 Apr;50(2):609–10

The health promoting function of mass media and reference groups: motivating or reinforcing of behavior change. Ben-Sira Z. **Soc Sci Med** 1982;16(7):825–34

Tobacco against youth: international warnings. **WHO Chron** 1982;36(2):73–4

[Community based campaigns against cigarette smoking in 10 European countries during the past decade] Mørck H, et al. **Ugeskr Laeger** 1981 Nov 16;143(47):3155–7 (Eng. Abstr.) **(Dan)**

[The results of educational anti-smoking measures at the primary school level (author's transl)] Cooreman J, et al. **Arch Fr Pediatr** 1982 Feb;39(2):113–7 (Eng. Abstr.) **(Fre)**

[Abandonment of smoking in the clinic. Attitude of patients in treatment] Hüllemann KD, et al. **MMW** 1981 Sep 4; 123(36):1327–8 **(Ger)**

[You can live without smoking. Strategy and evaluation of an anti-smoking campaign (author's transl)] Kunze M, et al. **MMW** 1981 Sep 4;123(36):1329–31 (Eng. Abstr.) **(Ger)**

[Modifying smoking behaviour through self control: a 4-year follow-up (author's transl)] Buchkremer G. **Nervenarzt** 1982 Feb;53(2):72–7 **(Ger)**

[Action against smoking taken by the Health Agency of the city of Lübeck] Böge KP. **Off Gesundheitswes** 1982 Mar; 44(3):149–51 **(Ger)**

[Results of an anti-smoking campaign among middle-aged men] Goshtautas AA, et al. **Ter Arkh** 1981;53(5):118–21 (Eng. Abstr.) **(Rus)**

[Control of smoking in a sanatorium] Aznaur'ian MS, et al. **Voen Med Zh** 1981 Oct;(10):55–6 **(Rus)**

[Sanatorium work experience in controlling smoking] Aznaur'ian MS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep–Oct;(5):61–2 **(Rus)**

SMOKING, PASSIVE see **TOBACCO SMOKE POLLUTION**

SNAILS

Cyclophosphamide as a potential chemosterilant for harmful snails. Singh R, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep;49(3):195–9

Elimination of Biomphalaria pfeifferi, Bulinus tropicus and Lymnaea natalensis by the ampullarid snail, Marisa cornuarietis, in a man-made dam in northern Tanzania. Nguma JF, et al. **Acta Trop (Basel)** 1982 Mar;39(1):85–90

Occurrence of hydroxyproline in a toxin from the marine snail Conus geographus. Stone BL, et al. **Arch Biochem Biophys** 1982 Jul;216(2):765–7

Isolation of a cardiotonic glycoprotein, striatoxin, from the venom of the marine snail Conus Striatus. Kobayashi J, et al. **Biochem Biophys Res Commun** 1982 Apr 29; 105(4):1389–95

Importance of the aquatic weed Ceratophyllum to transmission of Schistosoma haematobium in the Volta Lake, Ghana. Klumpp RK, et al. **Bull WHO** 1980; 58(5):791–8

Laboratory evaluation of some molluscicides against french water snails, Indoplanorbis and Lymnaea species. Goel HC, et al. **J Commun Dis** 1981 Jun;13(2):121–7

A toxin from the venom of the marine snail Conus geographus which acts on the vertebrate central nervous system. Clark C, et al. **Toxicon** 1981;19(5):691–9

Pharmacological study on the venom of the marine snail Conus textile. Kobayashi J, et al. **Toxicon** 1981;19(6):757–62

Molluscicidal effects of eucalyptus [letter] Broberg G. **Vet Rec** 1982 May 29;110(22):526

[A new device for snail survey (S-1 Snail Survey Machine)] Yin JY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:72–3 (Eng. Abstr.) **(Chi)**

[Some aspects of the zoogeography and ecology of the family Helicinidae (Prosobranchia-Archaeogastropoda) in Cuba] Mesa R, et al. **Rev Cubana Med Trop** 1981 Sep–Dec; 33(3):178–84 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Neuritic growth and neuroma formation by an isolated molluscan ganglion. Stamler JF, et al. **J Neurobiol** 1982 Jan;13(1):85–9

DRUG EFFECTS

Effect of prolonged exposure of Biomphalaria alexandrina to low concentrations of some molluscicides. I. Effects on longevity, growth rate, fecundity and susceptibility to schistosome infection. Mohamed AM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):295–311

Preliminary notes on the molluscicidal effect of some surface active agents. Omran LA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):207–11

EMBRYOLOGY

Tunicamycin-induced shape transformation in rabbit erythrocytes and loss of adhesion in Limnaea embryonic cells. Guha T, et al. **Exp Cell Biol** 1981;49(5):278–82

ENZYMOLOGY

Separation and properties of two enzyme forms of beta-glucuronidase from the mollusc Helicella ericetorum. Reglero A, et al. **Int J Biochem** 1981;13(11):1185–9

DNase A, a poly(dA) and poly(dT)-specific deoxyribonuclease from Achatina fulica. Purification and characterization. Yanagawa H, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1463–78

DNase A, a poly(dA) and poly(dT)-specific deoxyribonuclease from Achatina fulica. Further investigation on the specificity. Yanagawa H, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1479–85

GROWTH & DEVELOPMENT

Hormonal control of head-wart development in the snail, Euhadra peliomphala. Takeda N. **J Embryol Exp Morphol** 1980 Dec;60:57–69

Population studies on Austropeplea ollula (Gould), the snail intermediate host of dermatitis-producing avian schistosomes. 1. Seasonal changes in size of the snails in relation to the occurrence of paddy field dermatitis. Makiya K, et al. **Nagoya J Med Sci** 1982 Mar;44(3–4):47–55

IMMUNOLOGY

Immunocytochemical demonstration of a humoral defense factor in blood cells (Amoebocytes) of the pond snail,

Lymnaea stagnalis. van der Knaap WP, et al. **Cell Tissue Res** 1981;219(2):291–6

METABOLISM

Changes in carbohydrate metabolism in various organs of the snail, Lymnaea acuminata following exposure to trichlorfon. Mahendru VK, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):377–81

Gas-chromatographic analysis of residues of pirimiphos-methyl in water, fish, and snails. Zakitis LH, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):334–40

Bioaccumulation of 95mTc in fish and snails. Blaylock BG, et al. **Health Phys** 1982 Mar;42(3):257–66

Scavenger snail secretion as an ovipositional attractant for Aedes aegypti. Tyagi D, et al. **J Commun Dis** 1981 Jun; 13(2):132–5

MICROBIOLOGY

Aeromonas food poisoning in Nigeria: a case report. Agbonlahor DE, et al. **Cent Afr J Med** 1982 Feb;28(2):36–8

PARASITOLOGY

Interactions between St. Lucian Biomphalaria glabrata and Helisoma duryi, a possible competitor snail, in a semi-natural habitat. Christie JD, et al. **Acta Trop (Basel)** 1981 Dec;38(4):395–417

Relative effect of furco & xiphidio cercarial infections on metabolism of the snail host Lymnaea luteola. Ramesh Babu G, et al. **Indian J Exp Biol** 1981 Dec;19(12):1203–4

Susceptibility of Oncomelania hupensis formosana recombinants and hybrids with Oncomelania hupensis nosophora to infection with Schistosoma japonicum. Chiu JK, et al. **Int J Parasitol** 1981 Oct;11(5):391–7

Recruitment of digenetic trematodes using caged snails. Coy KB, et al. **J Parasitol** 1982 Jun;68(3):496–500

Note on a possible agent for the biological control of schistosomiasis. [letter] Ross W. **J Trop Med Hyg** 1982 Apr; 85(2):88

Population studies on Oncomelania quadrasi, the snail intermediate host of Schistosoma japonicum, in the Philippines. I. Distribution pattern of the snail in the field. Makiya K, et al. **Jpn J Exp Med** 1981 Jun;51(3):179–85

Population studies on Oncomelania quadrasi, the snail intermediate host of Schistosoma japonicum, in the Philippines. 2. Necessary sample size for snail density survey. Makiya K, et al. **Jpn J Exp Med** 1981 Dec; 51(6):331–4

Further studies on the susceptibility of new Taiwan foci of Oncomelania hupensis to geographic strains of Schistosoma japonicum. Lee KM, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):91–5

Miracidial penetration in Fascioloides magna (Trematoda). Coil WH. **Z Parasitenkd** 1981;65(3):299–307

Trematode infections in Pirenella conica in three sites of a mangrove lagoon in Sinai. Taraschewski H, et al. **Z Parasitenkd** 1982;67(2):165–73

[Deviations in number and location of ciliary flame cells in furcocercariae] de Núñez MO. **Angew Parasitol** 1981 Aug; 22(3):164–6 **(Ger)**

[Chaetogaster limnaei K.E. v. Baer. A problem for laboratory water-snail colonies in research on trematodes] Patzig F, et al. **Z Parasitenkd** 1981;65(3):261–70 **(Ger)**

[Bradybaena similaris (Ferussac): intermediate host of Angiostrongylus cantonensis in Cuba] Jaume ML, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):207–9 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Circadian and ultradian activity rhythms of a freshwater gastropod, Helisoma trivolis: the effects of social factors and eye removal. Kavaliers M. **Behav Neural Biol** 1981 Jul;32(3):350–63

Seasonal changes in the physiological activity of land snail Helicella vestalis (Gastropoda, Stylommatophora) in Egypt. Mohamed AM, et al. **Cell Mol Biol** 1981; 27(5):557–61

Locomotion of the filiform sperm of littorina (Gastropoda, Prosobranchia). Buckland-Nicks JA, et al. **Cell Tissue Res** 1981;219(1):27–39

Further contribution to the effect of population density on the reproductive capacity and population dynamics of Helisoma duryi. Beddiny EA. **J Egypt Soc Parasitol** 1981 Jun;11(1):51–7

Biological combat of schistosomiasis Ambrosia maritima (Damsissa) for snail control. El-Sawy MF, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):99–117

Suppressive effect of cadmium on high potassium-induced hyperpolarization in snail neurons. Hayashi H, et al. **Jpn J Physiol** 1981;31(2):237–46

A circadian locomotor rhythm in the giant land snail, Achatina fulica. Ogasawara T, et al. **Tohoku J Exp Med** 1982 May;137(1):109–10

ULTRASTRUCTURE

Sensory cells in the head skin of pond snails. Fine structure of sensory endings. Zaiteva OV, et al. **Cell Tissue Res** 1981; 220(4):797–807

SNAKE BITES

Envenoming by Cerastes viper – a report of two cases. Zimmerman J, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):702–5

BLOOD

Envenomation by the northern blacktail rattlesnake (Crotalus molossus molossus): report of two cases and the in vitro effects of the venom on fibrinolysis and platelet aggregation. Hardy DL, et al. **Toxicon** 1982;20(2):487–93

COMPLICATIONS

Acute interstitial nephritis in snake bite. Sitprija V, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):408–10

Acute myocardial infarction and cerebrovascular accident in a young girl after a viper bite. Aravanis C, et al. **Br Heart J** 1982 May;47(5):500–3

Optic neuritis and ophthalmoplegia caused by snake bite. Rao KV. **Indian J Ophthalmol** 1981 OCT;29(3):243–5

Primary excessive fibrinolysis following snake-bite (a case report). Acharya VN, et al. **J Assoc Physicians India** 1981 Jul;29(7):576–80

Renal ultrastructure in acute tubular necrosis following Russell's viper envenomation. Date A, et al. **J Pathol** 1982 Jul;137(3):225–41

Taipan bite with myoglobinuria [letter] Brigden MC, et al. **Med J Aust** 1981 Jul 11;2(1):42–4

Envenomation coagulopathy from snake bites [letter] **N Engl J Med** 1981 Nov 26;305(22):1347–8

More on envenomation coagulopathy from snake bites [letter] Sullivan JB Jr. **N Engl J Med** 1982 Apr 1;306(13):806–7

An adder bite with unusual consequences. Gerrard M, et al. **Practitioner** 1982 Mar;226(1365):527–8

Puff adder bite--an unusual cause of bilateral carpal tunnel syndrome. A case report. Schweitzer G, et al. **S Afr Med J** 1981 Oct 31;60(18):714–5

Unusual features in a case of snakebite, presumably due to a Cape cobra (Naja nigricollis). Schwersenski J, et al. **S Afr Med J** 1982 Apr 17;61(16):597–8

Observations on the bite of the Mozambique spitting cobra (Naja mossambica mossambica). Tilbury CR. **S Afr Med J** 1982 Feb 27;61(9):308–13

[Clinical observation of 21 cases of Agkistrodon acutus (Guenther) bite complicated by disseminated intravascular coagulation (author's transl)] Rao DS. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):670–2 **(Chi)**

[Neurological symptoms caused by viper venom] Soini H, et al. **Duodecim** 1981;97(22):1865–7 **(Fin)**

[Local complications of snake bites (author's transl)] Chippaux JP. **Med Trop (Mars)** 1982 Mar–Apr;42(2):177–83 (Eng. Abstr.) **(Fre)**

[Aneurysm of the posterior tibial artery after snake bite] Jonas P, et al. **Vasa** 1982;11(2):131–5 (Eng. Abstr.) **(Ger)**

[Pulmonary edema following snake bite] Abboud F, et al. **Harefuah** 1982 Feb 15;102(4):156–7 (Eng. Abstr.) **(Heb)**

[Severe bleeding following Echis colorata snake bite] Foldes J, et al. **Harefuah** 1981 May 15;100(10):462–3 **(Heb)**

[Coagulation disorders caused by snake bite] Modiano A. **G Clin Med** 1982 Mar;63(3):159–70 (37 ref.) **(Ita)**

DIAGNOSIS

Value of continuing education [letter] Frost J. **Med J Aust** 1981 Nov 28;2(11):579

[Palestinian viper bite] Mann G. **Harefuah** 1980 Dec 1; 99(11):352–3 (Eng. Abstr.) **(Heb)**

[Snake bites in the Split area (author's transl)] Filipović J, et al. Liječ Vjesn 1981 Dec;103(12):538–44 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Neostigmine in the treatment of snake bite. Dubey GK, et al. **J Assoc Physicians India** 1981 Mar;29(3):229–31

Neostigmine in the management of snakebite. Sharan R. **J Indian Med Assoc** 1982 Feb 16;78(4):61–3

Low-molecular-weight dextran and puff-adder bites [letter] Brossy JJ, et al. **S Afr Med J** 1982 Sep 4;62(11):349–50

OCCURRENCE

A study of 136 cases of adder bite treated in Swedish hospitals during one year. Persson H, et al. **Acta Med Scand** 1981; 210(6):433–9

Snake bites at Triangle Hospital january 1975 to june 1981. Blaylock RS. **Cent Afr J Med** 1982 Jan;28(1):1–10

The epidemiology of snakebite in northern Natal. Coetzer PW, et al. **S Afr Med J** 1982 Aug 7;62(7):206–12

Clinical aspects of bites by viper in Spain. González D. **Toxicon** 1982;20(1):349–53

PHYSIOPATHOLOGY

Envenomation following the bite of a wandering garter snake (Thamnophis elegans vagrans). Vest DK. **Clin Toxicol** 1981 May;18(5):573–9

THERAPY

Australian work in first aid of poisonous snakebite [letter] Oxer HF. **Ann Emerg Med** 1982 Apr;11(4):228

Modern medicine and shamanistic ritual: a case of positive synergistic response in the treatment of a snakebite. Zethelius M, et al. **J Ethnopharmacol** 1982 Mar;5(2):181–5

Treatment of rattlesnake bites [letter] Glass TG Jr. **JAMA** 1982 Jan 22–29;247(4):461

Pressure/immobilisation first aid treatment of snake bite [letter] **Med J Aust** 1982 Feb 20;1(4):155, 157

Retarding the uptake of 'mock venom' in humans: comparison of three first-aid treatments. Anker RL, et al. **Med J Aust** 1982 Mar 6;1(5):212–4

First aid in envenomation [editorial] Fisher M. **Med J Aust** 1982 Mar 6;1(5):158

The effectiveness of the pressure/immobilization first aid technique in the case of a tiger snake bite. Murrell G. **Med J Aust** 1981 Sep 19;2(6):295

First-aid for snake-bite: efficacy of a constrictive bandage with limb immobilization in the management of human envenomation. Pearn J, et al. **Med J Aust** 1981 Sep 19; 2(6):293–5

Treatment of snakebite in the USA. **Med Lett Drugs Ther** 1982 Oct 1;24(619):87–9

Cooling for first aid in snake bite [letter] Glass TG Jr. **N Engl J Med** 1981 Oct 29;305(18):1095

Western diamondback rattlesnake (Crotalus atrox) poisoning. Sivaprasad R, et al. **Postgrad Med** 1982 Jun;71(6):223–7, 230

A literature review of snakes and snakebite therapy. Ciembor P, et al. **Vet Hum Toxicol** 1981 Apr;23(2):97–100 (17 ref.)

[Successful treatment of 9 cases of respiratory paralysis caused by pallas pit viper bite (author's transl)] Sun XS. **Chung Hua I Hsueh Tsa Chih** 1981 Jun;61(6):362–5 (Eng. Abstr.) **(Chi)**

[Considerations on poisonous snakes (author's transl)] Mercié C. **Ann Pediatr (Paris)** 1982 Mar;29(3):225 **(Fre)**

[Poisonous snake bite treatment (author's transl)] Markwalder K. **Praxis** 1982 May 18;71(20):842–7 (Eng. Abstr.) **(Ger)**

[Treatment of bites from poisonous snakes] Tay Zavala J, et al. **Salud Publica Mex** 1981 Sep–Oct;23(5):457–72 (Eng. Abstr.) **(Spa)**

VETERINARY

Field treatment for snakebites in dogs. Kitzner J. **Mod Vet Pract** 1981 Nov;62(11):820

Poisonous snakebites in dogs and cats. Harned H, et al. **VM SAC** 1982 Jan;77(1):73–8

SNAKE VENOMS

Organization and role of platelet membrane phospholipids as studied with phospholipases A2 from various venoms and phospholipases C from bacterial origin. Chap H, et al. **Toxicon** 1982;20(1):291–8

ADVERSE EFFECTS

Value of continuing education [letter] Frost J. **Med J Aust** 1981 Nov 28;2(11):579

ANALYSIS

A new enzyme immunoassay system suitable for field use and its application in a snake venom detection kit. Chandler HM, et al. **Clin Chim Acta** 1982 May 20;121(2):225–30

Phospholipase A2 electrophoretic variants in reptile venoms. Durkin JP, et al. **Toxicon** 1981;19(4):535–46

[Biochemical variations of West African snake venoms] Boche J, et al. **Bull Soc Pathol Exot Filiales** 1981 May–Jun; 74(3):356–66 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Effects of human plasma alpha2 macroglobulin on the proteolytic activity of snake venoms. Kress LF, et al. **Toxicon** 1981;19(4):501–7

IMMUNOLOGY

Snake venom antibodies in Ecuadorian Indians. Theakston RD, et al. **J Trop Med Hyg** 1981 Oct;84(5):199–202

METABOLISM

Retarding the uptake of 'mock venom' in humans: comparison of three first-aid treatments. Anker RL, et al. **Med J Aust** 1982 Mar 6;1(5):212–4

Thrombin-like snake venom proteinases. Stocker K, et al. **Toxicon** 1982;20(1):265–73

PHARMACODYNAMICS

The role of heparin therapy in Dispholidus typus envenomation: an experimental study. Atkinson PM, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):355–63

Agkistrodon acutus snake venom inhibits prothrombinase complex formation. Teng CM, et al. **Thromb Res** 1981 Aug 1;23(3):255–63

Platelet activation by non-coagulant snake venom components. Vargaftig BB. **Toxicon** 1982;20(1):279–87

THERAPEUTIC USE

[Neurological application of snake neurotoxins particularly in myasthenia gravis (author's transl)] Hayashi K. **Yakugaku Zasshi** 1981 Feb;101(2):97–117 (93 ref.) (Eng. Abstr.) **(Jpn)**

TOXICITY

The effects of the subcutaneous injection of the crude venom of the Australian common brown snake, Pseudonaja textilis on the skeletal neuromuscular system. Harris JB, et al. **Br J Pharmacol** 1981 May;73(1):157–63

In vivo diminution by chelators of snake venom–provoked hemorrhage and in vitro inhibition of proteolytic activity. Giroux E, et al. **Toxicon** 1981;19(4):481–92

Toxicity of some Australian snake venoms for potential prey species of reptiles and amphibians. Minton SA Jr, et al. **Toxicon** 1981;19(6):749–55

Effects of several snake venoms on serum and tissue transaminases, alkaline phosphatase and lactate dehydrogenase. Mohamed AH, et al. **Toxicon** 1981; 19(5):605–9

The toxic Duvernoy's secretion of the wandering garter snake, Thamnophis elegans vagrans. Vest DK. **Toxicon** 1981;19(6):831–9

SNAKES

Augmentation of systematic desensitization of snake phobia through posthypnotic dream suggestion. O'Brien RM, et al. **Am J Clin Hypn** 1981 Apr;23(4):231–8

Leiomyosarcoma and myxoma in a Texas indigo snake. Barten SDL, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1292–5

Patterns of oral bacterial infection in captive snakes. Draper CS, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1223–6

Illness associated with paramyxo–like virus infection in a zoologic collection of snakes. Jacobson E, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1227–30

Lymphosarcoma in an Eastern king snake and a rhinoceros viper. Jacobson E, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1231–5

Diagnostic exercise: ulcerative stomatitis ('mouth rot') and enteritis associated with maladaptation syndrome. Parker GA, et al. **Lab Anim Sci** 1981 Aug;31(4):353–5

Rat bite injury in a pet snake. Rosskopf WJ Jr, et al. **Mod Vet Pract** 1981 Nov;62(11):871

Yield of venom from the Osage copperhead, Agkistrodon contortrix phaeogaster. De Wit CA. **Toxicon** 1982; 20(2):525–7

Clinical aspects of bites by viper in Spain. González D. **Toxicon** 1982;20(1):349–53

Malignant chromatophoroma in a gopher snake. Ryan MJ, et al. **Vet Pathol** 1981 Nov;18(6):827–9

[Snakes endemic to plantations of the Ivory Coast] Chippaux JP, et al. **Bull Soc Pathol Exot Filiales** 1981 Jul–Aug; 74(4):458–67 (Eng. Abstr.) **(Fre)**

[Mexican reptiles of significance for public health and their geographic distribution] Juliá Zertuche J. **Salud Publica Mex** 1981 Jul–Aug;23(4):329–43 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Functional anatomy of the lung of the snake Pituophis melanoleucus. Stinner JN. **Am J Physiol** 1982 Sep; 243(3):R251–7

Comparative ultrastructural study of the Ito cells in the liver in some reptiles. Taira K, et al. **Arch Histol Jpn** 1981 Sep; 44(4):373–84

Effects of progesterone and estrogen on the histology of the oviduct of the garter snake, Thamnophis elegans. Mead RA, et al. **Gen Comp Endocrinol** 1981 Nov;45(3):345–54

Axon morphology of mesencephalic trigeminal neurons in a snake, Thamnophis sirtalis. Dacey DM. **J Comp Neurol** 1982 Jan 20;204(3):268–79

The ascending projection of the nucleus of the lateral descending trigeminal tract: a nucleus in the infrared system of the rattlesnake, Crotalus viridis. Stanford LR, et al. **J Comp Neurol** 1981 Sep 10;201(2):161–73

Thick caliber projections from brainstem to cerebral cortex in the snakes Thamnophis sirtalis and Natrix sipedon. Ulinski PS. **Neuroscience** 1981;6(9):1725–43

BLOOD

An electrophoretic analysis of plasma proteins of selected birds and snakes. Rourke AW. **Comp Biochem Physiol [B]** 1982;71(2):313–6

Prothrombin–activator (thromboplastin) generation in the blood of water snake (Natrix piscator). Srivastava VM, et al. **Thromb Haemost** 1981 Dec 23;46(4):747–8

GENETICS

Behaviour of the ZW sex bivalent in the snake Bothrops jararaca. Beçak ML, et al. **Chromosoma** 1981;83(2):289–93

Linear differentiation of the C–band pattern of the W chromosome in snakes and birds. Mengden GA. **Chromosoma** 1981;83(2):275–87

Base sequence of a cloned snake W–chromosome DNA fragment and identification of a male–specific putative mRNA in the mouse. Epplen JT, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3798–802

Electrophoretic patterns of the venoms from a litter of Bitis gabonica snakes. Chippaux JP, et al. **Toxicon** 1982; 20(2):521–3

METABOLISM

Hepatic cytochrome P–450–dependent monooxygenase systems of the trout, frog and snake—II. Monooxygenase activities. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982;71(3):437–43

Hepatic cytochrome P–450–dependent monooxygenase systems of the trout, frog and snake—I. Components. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982; 71(3):431–6

Hepatic cytochrome P–450–dependent monooxygenase systems of the trout, frog and snake—III. Induction. Schwen RJ, et al. **Comp Biochem Physiol [B]** 1982; 71(3):445–53

Cellular [3H]estradiol and [3H]testosterone localization in the brains of garter snakes: an autoradiographic study. Halpern M, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):211–24

The primary structure of snake (Zaocys dhumnades dhumnades, Cantor) insulin. Zhang YS, et al. **Sci Sin** 1981 Nov;24(11):1585–9

Biosynthesis, secretion and in vivo isotopic labelling of venom of the Egyptian cobra, Naja haje annulifera. Kochva E, et al. **Toxicon** 1982;20(3):615–35

MICROBIOLOGY

Transovarian passage, visceral distribution, and pathogenicity of salmonella in snakes. Chiodini RJ. **Infect Immun** 1982 May;36(2):710–3

PARASITOLOGY

Pentastomiasis. Prathap K. **Ann Acad Med Singapore** 1981 Jan;10(1):132–5

'In vitro' development of Trypanosoma butantanense Arantes and Fonseca, 1931. De Biasi P, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar–Apr;23(2):41–7

Efficacy of fenbendazole against the nematodes of reptiles. Holt PE, et al. **Vet Rec** 1982 Mar 27;110(13):302–4

Host range and host specificity of sarcocystis. Frank W, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):355–60

PHYSIOLOGY

Systemic arterial hemodynamics in the diamond python Morelia spilotes. Avolio AP, et al. **Am J Physiol** 1982 Sep; 243(3):R205–12

Permeability and channel structure of reptilian skin. Stokes GD, et al. **Am J Physiol** 1982 Jun;242(6):F681–9

Analysis of the behavioral sequence emitted by rattlesnakes during feeding episodes II. Duration of strike–induced chemosensory searching in rattlesnakes (Crotalus viridis, C. enyo). Chiszar D, et al. **Behav Neural Biol** 1982 Mar; 34(3):261–70

Effect of poststrike disturbance on strike–induced chemosensory searching in the prairie rattlesnake (Crotalus v. viridis). O'Connell B, et al. **Behav Neural Biol** 1981 Jul; 32(3):343–9

Python pit organs analyzed as warm receptors. de Cock Buning T, et al. **Cell Mol Neurobiol** 1981 Sep;1(3):271–8

Crotaline pit organs analyzed as warm receptors. de Cock Buning T, et al. **Cell Mol Neurobiol** 1981 Mar;1(1):69–85

Thyroid activity and experimental evidence for its role in reproduction in the adder Vipera berus. Nilson G. **Gen Comp Endocrinol** 1982 Jun;47(2):148–58

Retinal afferents and efferents of an infrared sensitive snake, Crotalus viridis. Schroeder DM. **J Morphol** 1981 Oct; 170(1):29–42

Further morphological and electrophysiological studies on snake muscle spindles. Fukami Y. **J Neurophysiol** 1982 May;47(5):810–26

Activity of warm receptors in Boa constrictor raised at various temperatures. Hensel H, et al. **Pflugers Arch** 1981 Dec;392(2):95–8

Ventilation, gas exchange and blood gases in the snake, Pituophis melanoleucus. Stinner JN. **Respir Physiol** 1982 Mar;47(3):279–98

Female control of male reproductive function in a Mexican Snake. Garstka WR. **Science** 1982 Sep 17; 217(4565):1159–60

Female sex pheromone in the skin and circulation of a garter snake. Garstka WR, et al. **Science** 1981 Nov 6; 214(4521):681–3

SNEEZING

Sneeze–induced hemiparesis [letter] Fischbeck KH, et al. **Ann Neurol** 1982 Jan;11(1):105–6

Intractable sneezing. Gallia LJ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):164–8

[Effect of increased intrapulmonary pressure on defense reflexes of the respiratory tract (author's transl)] Javorka K, et al. **Bratisl Lek Listy** 1982 May;77(5):612–21 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Pharmacological treatment for intractable sneezing. Davison K. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1163–4

Pharmacological treatment for intractable sneezing [letter] Gervis JH. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1560

SNORING see under **RESPIRATORY SOUNDS**

SNOW see under **WEATHER**

SNUFF see under **TOBACCO**

SOAPS see under **SURFACE–ACTIVE AGENTS**

SOCCER see under **SPORTS**

SOCIAL ACCOUNTABILITY see **SOCIAL RESPONSIBILITY**

SOCIAL ADJUSTMENT

see related
ADAPTATION, PSYCHOLOGICAL

Long–term social prognosis after hip fractures. Jensen JS, et al. **Acta Orthop Scand** 1982 Feb;53(1):97–101

Children with problems in physical education in school. II. Physical factors and psychosocial problems. Adler H. **Acta Paedopsychiatr (Basel)** 1982 Mar;48(1):33–46

Children with problems in physical education in school, I. Social factors, school performance, and attitudes towards physical education and sports. Adler H. **Acta Paedopsychiatr (Basel)** 1982 Feb;47(6):313–26

Measuring behavioural disturbance of elderly demented patients in the community and its effects on relatives: a factor analytic study. Greene JG, et al. **Age Ageing** 1982 May;11(2):121–6

Enhancement of individual and community competence: the older adult as community worker. Gatz M, et al. **Am J Community Psychol** 1982 Jun;10(3):291–303

Back on the streets: therapeutic communities' impact upon drug users. Coombs RH. **Am J Drug Alcohol Abuse** 1981; 8(2):185–201

Discrepant judgements of community adjustment of mentally retarded adults: the contribution of personal responsibility. Bartnik E, et al. **Am J Ment Defic** 1981 Nov;86(3):260–6

Predicting vocational aptitude of mentally retarded persons: a comparison of assessment systems. Carsrud AL, et al. **Am J Ment Defic** 1981 Nov;86(3):275–80

A matched comparison of the developmental growth of institutionalized and deinstitutionalized mentally retarded clients. Conroy J, et al. **Am J Ment Defic** 1982 May; 86(6):581–7

Living in the community. Landesman–Dwyer S. **Am J Ment Defic** 1981 Nov;86(3):223–34

Role–taking, self–image, and imitativeness of mentally retarded and nonretarded individuals. Leahy RL, et al. **Am J Ment Defic** 1982 Jan;86(4):372–9

Perspectives of social status of learning handicapped and nonhandicapped students. Morrison GM. **Am J Ment Defic** 1981 Nov;86(3):243–51

Vineland social maturity scale norm examined—the Wisconsin experience with 0– to 3–year–old children. Song AY, et al. **Am J Ment Defic** 1982 Jan;86(4):428–31

Relationship of IQ, adaptive behavior, age, and environmental demand to community–placement success of mentally retarded adults. Thiel GW. **Am J Ment Defic** 1981 Sep;86(2):208–11

Social–environmental factors as predictors of adjustment of deinstitutionalized mentally retarded adults. Willer B, et al. **Am J Ment Defic** 1981 Nov;86(3):252–9

Play in evolution, culture, and individual adaptation: implications for therapy. Vandenberg B, et al. **Am J Occup Ther** 1982 Jan;36(1):20–35

Single–father caretakers: demographic characteristics and adjustment processes. Chang PN, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):236–43

Chronic schizophrenics in the community: are they able to report their social adjustment? Glazer W, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):166–71

Children's rights in the family and society: dilemmas and realities. Knitzer J. **Am J Orthopsychiatry** 1982 Jul; 52(3):481–95

Social skills training compared with pharmacotherapy and psychotherapy in the treatment of unipolar depression. Bellack AS, et al. **Am J Psychiatry** 1981 Dec; 138(12):1562–7

Social adjustment of chronic dialysis patients. De–Nour AK. **Am J Psychiatry** 1982 Jan;139(1):97–100

An empirically derived rating scale for quantifying patient assets. Kass F, et al. **Am J Psychiatry** 1982 Mar; 139(3):370–1

The effects of labeling: blind and nonblind ratings of social skills in schizophrenic and nonschizophrenic control subjects. Lindsay WR. **Am J Psychiatry** 1982 Feb; 139(2):216–9

Communication of the cancer diagnosis to pediatric patients: impact on long–term adjustment. Slavin LA, et al. **Am J Psychiatry** 1982 Feb;139(2):179–83

Paradoxical interventions with people who insist on acting crazy. Bergman JS. **Am J Psychother** 1982 Apr; 36(2):214–22

The lesbian as a 'single' woman. Gartrell N. **Am J Psychother** 1981 Oct;35(4):502–16

Social validation in mental retardation. Kazdin AE, et al. **Appl Res Ment Retard** 1981;2(1):39–53 (36 ref.)

The assessment of social adjustment. An update. Weissman MM, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1250–8

Child adjustment as related to severity of paternal disability. Buck FM, et al. **Arch Phys Med Rehabil** 1982 Jun; 63(6):249–53

Depression and failure to resume social activities after stroke. Feibel JH, et al. **Arch Phys Med Rehabil** 1982 Jun;

63(6):276–7
Denial of emotional needs to people with handicaps. Zola IK. **Arch Phys Med Rehabil** 1982 Feb;63(2):63–7
Emotional reactions to military aircraft accidents. Jones DR. **Aviat Space Environ Med** 1982 Jun;53(6):595–8
Depression and engagement in a residential home for the elderly. Simpson S, et al. **Behav Res Ther** 1981;19(5):435–8
The Bristol Social Adjustment Guide: comparison between the offspring of alcoholic and non-alcoholic mothers. Bell B, et al. **Br J Clin Psychol** 1981 Jun;20(Pt 2):93–5
In the eye of the beholder: social and personal characteristics of teenagers and their impressions of themselves and fat and slim people. Worsley A. **Br J Med Psychol** 1981 Sep; 54(Pt 3):231–42
'Antisocial adolescents: our treatments do not work--where do we go from here?' Weiss G. **Can J Psychiatry** 1981 Aug;26(5):294–5
Schizophrenics and tranquilizers [letter] Hoffer A. **Can Med Assoc J** 1982 Jun 15;126(12):1375–6
Intellectual and psychosocial functions of children, adolescents and young adults before and after operation for craniopharyngioma. Galatzer A, et al. **Child Care Health Dev** 1981 Nov–Dec;7(6):307–16
Psychosocial effects of an intensive summer communication program for cleft palate children. Lochman JE, et al. **Child Psychiatry Hum Dev** 1981 Fall;12(1):54–62
The Bayview Program: from custodial care to a social learning program in a large community residence. Lieberman HJ, et al. **Compr Psychiatry** 1982 Jan–Feb; 23(1):38–49
An outpatient activities therapy program. Rosenzweig N, et al. **Curr Psychiatr Ther** 1981;20:339–46
Follow-up of Vietnam veterans II. Social adjustment. Nace EP, et al. **Drug Alcohol Depend** 1980 Oct;6(4):209–14
Toward a model of person–environment congruence: development of the EPPIS. Nehrke MF, et al. **Exp Aging Res** 1981 Winter;7(4):363–79
Social participation in adult homes: deinstitutionalized mental patients and the frail elderly. Sherman SR, et al. **Gerontologist** 1981 Oct;21(5):545–50
Developing a sense of community in chronic inpatients through religious and social activities. Cooley RN Jr. **Hosp Community Psychiatry** 1982 Jun;33(6):487–8
Young adult chronic patients: the new drifters. Lamb HR. **Hosp Community Psychiatry** 1982 Jun;33(6):465–8
Factors affecting adjustment of community living. Tessler RC, et al. **Hosp Community Psychiatry** 1982 Mar; 33(3):203–7
The relationship between drinking patterns at therapy termination and intake and termination status on social variables: a replication study. Adinolfi AA, et al. **Int J Addict** 1981 Apr;16(3):555–65
The therapeutic community: success and improvement rates 5 years after treatment. De Leon G, et al. **Int J Addict** 1982 May;17(4):703–47
Systematic development and evaluation of a social skills training program for chemical abusers. Lin T, et al. **Int J Addict** 1982 May;17(4):585–96
An inquiry into the positive personal and social effects of old age stereotypes among the elderly. Kearl MC. **Int J Aging Hum Dev** 1981–82;14(4):277–90
Assessment and training of social competence in dangerous psychiatric patients. Rice ME, et al. **Int J Law Psychiatry** 1980;3(4):371–90
Psychosocial aspects of living with cancer: a review of the literature. Freidenbergs I, et al. **Int J Psychiatry Med** 1981–82;11(4):303–29
A social training program for clients with facial disfigurations: a contribution to the rehabilitation of cancer patients. Fiegenbaum W. **Int J Rehabil Res** 1981;4(4):501–9
Social symptoms in the community. Hannay DR. **Int J Soc Psychiatry** 1982 Spring;28(1):60–4
Reintegration of chronic mental patients into the Malaysian community. Krahl W. **Int J Soc Psychiatry** 1982 Spring; 28(1):15–9
Intervention in psychosocial decompensation of the elderly in poor neighbourhoods in Jerusalem. Mitelpunkt R, et al. **Int J Soc Psychiatry** 1981 Winter;27(4):271–5
The impact of recent rehospitalization on community adjustment. Segal SP. **Int J Soc Psychiatry** 1981 Autumn; 27(3):163–72
The creative abilities of children with social and emotional problem. Paget KD. **J Abnorm Child Psychol** 1982 Mar; 10(1):107–12
A two-year follow-up study of a preventive mental health program for preschoolers. Rickel AU, et al. **J Abnorm Child Psychol** 1981 Dec;9(4):455–64
Parental interpersonal perceptual style, child adjustment, and parent–child interactions. Stollak GE, et al. **J Abnorm Child Psychol** 1982 Mar;10(1):61–76
Premorbid status in schizophrenia and abstract, literal, or autistic proverb interpretation. Carpenter BN, et al. **J Abnorm Psychol** 1982 Jun;91(3):151–6
An examination of differences between multiple- and single-incident victims of sexual assault. Ellis EM, et al. **J Abnorm Psychol** 1982 Jun;91(3):221–4
Psychological aspects of unemployment: an investigation into the emotional and social adjustment of school leavers. Donovan A, et al. **J Adolesc** 1982 Mar;5(1):15–30
Separation response and nursery school adaptation. Bloom-Feshbach S, et al. **J Am Acad Child Psychiatry** 1982 Jan;21(1):58–64
Normal children as tutors to teach social responses to withdrawn mentally retarded schoolmates: training, maintenance, and generalization. Lancioni GE. **J Appl Behav Anal** 1982 Spring;15(1):17–40
Validation of social skills of adolescent males in an interview conversation with a previously unknown adult. Spence SH. **J Appl Behav Anal** 1981 Summer;14(2):159–68
Social and emotional aspects of voluntary childlessness in vasectomized childless men. Magarick RH, et al. **J Biosoc Sci** 1981 Apr;13(2):157–67
Medical manageability and psychosocial factors in childhood asthma. Staudenmayer H. **J Chronic Dis** 1982;35(3):183–98
An ecological and behavioral approach to outpatient dialysis treatment. Tucker CM, et al. **J Chronic Dis** 1982;35(1):21–7
Patterns of disturbance in behaviorally maladjusted children and adolescents. McDermott PA. **J Clin Psychol** 1981 Oct; 37(4):867–74
The post-acute functioning of the schizophrenic. Summers F. **J Clin Psychol** 1981 Oct;37(4):705–14
Evaluation of the Michigan Alcoholism Screening Test (MAST) in assessing lifetime and recent problems. Zung BJ. **J Clin Psychol** 1982 Apr;38(2):425–39
A comparison of social skills in delinquent and nondelinquent adolescent girls using a behavioral role-playing inventory. Gaffney LR, et al. **J Consult Clin Psychol** 1981 Dec; 49(6):959–67
Differences between social skills therapists and psychotherapists in treating depression. Greenwald DP, et al. **J Consult Clin Psychol** 1981 Oct;49(5):757–9
Use of Neuropsychological tests to predict adult patients' everyday functioning. Heaton RK, et al. **J Consult Clin Psychol** 1981 Dec;49(6):807–21
Changing college student norms on the Rotter Incomplete Sentences Blank. Lah MI, et al. **J Consult Clin Psychol** 1981 Dec;49(6):985
Social adjustment in victims of sexual assault. Resick PA, et al. **J Consult Clin Psychol** 1981 Oct;49(5):705–12
Social maladjustment and problem solving in school-aged children. Richard BA, et al. **J Consult Clin Psychol** 1982 Apr;50(2):226–33
Social, emotional, and intellectual behavior at school among children at high risk for schizophrenia. Watt NF, et al. **J Consult Clin Psychol** 1982 Apr;50(2):171–81
The consequences of childlessness on the social-psychological well-being of older women. Beckman LJ, et al. **J Gerontol** 1982 Mar;37(2):243–50
Retirement, identity and well-being: realignment of role relationships. Mutran E, et al. **J Gerontol** 1981 Nov; 36(6):733–40
Heterosexual and lesbian single mothers: a comparison of problems, coping, and solutions. Pagelow MD. **J Homosex** 1980 Spring;5(3):189–204
An index of social competence for use in determining the service needs of mentally handicapped adults. McConkey R, et al. **J Ment Defic Res** 1982 Mar;26(Pt 1):47–61
Depression and social adjustment among chronic schizophrenic outpatients. Glazer W, et al. **J Nerv Ment Dis** 1981 Nov;169(11):712–7
Psychiatric disorders in the context of evolutionary biology. The impairment of adaptive behaviors during the exacerbation and remission of psychiatric illnesses. McGuire MT, et al. **J Nerv Ment Dis** 1982 Jan;170(1):9–20
The social function of young adults who had arthritis in childhood. Miller JJ 3d, et al. **J Pediatr** 1982 Mar; 100(3):378–82
Social and psychological considerations in chronic disease: with particular reference to the management of seizure disorders. Heisler AB, et al. **J Pediatr Psychol** 1981 Sep; 6(3):239–50
Family coping with childhood leukemia: one year after diagnosis. Kupst MJ, et al. **J Pediatr Psychol** 1982 Jun; 7(2):157–74
Adolescent males with Noonan's syndrome: behavioral and erotosexual status. Money J, et al. **J Pediatr Psychol** 1981 Sep;6(3):265–74
Loneliness and social skill deficits. Jones WH, et al. **J Pers Soc Psychol** 1982 Apr;42(4):682–9
The association of clinical, psychosocial, and angiographic variables with work status in patients with coronary artery disease. Dimsdale JE, et al. **J Psychosom Res** 1982; 26(2):215–21
Psychosocial adjustment To Illness Scale (PAIS): a study of chronic hemodialysis patients. Kaplan De-Nour A. **J Psychosom Res** 1982;26(1):11–22
Social adaptation to first grade and teenage drug, alcohol and cigarette use. Kellam SG, et al. **J Sch Health** 1982 May;52(5):301–6
Effects of group and individual contingencies on academic performance and social relations of special needs students. Nevin A, et al. **J Soc Psychol** 1982 Feb;116(First Half):41–59
Biobehavioral approaches to dementia. Eisdorfer C. **Mt Sinai J Med (NY)** 1981 Nov–Dec;48(6):500–6
Examination of item weighting on the Adaptive Behavior Scale Part II. Searls E, et al. **Percept Mot Skills** 1981 Oct; 53(2):654
The physically handicapped school leaver. Eckersley PM. **Physiotherapy** 1981 Dec;67(12):377
Psychosocial intervention with the age. Lazarus LW, et al. **Psychiatr Clin North Am** 1982 Apr;5(1):215–27
The psycho-social adjustment and mental health needs of Southeast Asian refugees. Nguyen SD. **Psychiatr J Univ Ottawa** 1982 Mar;7(1):26–35
Rehabilitation through productive participation: still waiting in the wings? Black BJ, et al. **Psychiatr Q** 1981 Summer; 53(2):85–92
Acquisition of living skills by chronic patients as a function of type of reinforcement. Denicola JA, et al. **Psychol Rep** 1981 Aug;49(1):239–45
Comparison of responses to the Behavior Rating Profile for mild to moderate behaviorally disordered subjects. Reisberg LE, et al. **Psychol Rep** 1982 Feb;50(1):136–8
Physically impaired mainstreamed pupils' reactions to school. Rich Y. **Psychol Rep** 1981 Dec;49(3):929–30
Social correlates of psychological dysfunction. Rumsey M, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1335–45
Methodological note on deriving behavioral correlates for MMPI profile patterns: case of the female 4–5–6 configuration. Walters GD, et al. **Psychol Rep** 1982 Jun; 50(3 Pt 2):1071–6
Assessment of relationship among measures of social competence and cognition in educable mentally retarded-emotionally disturbed students. Wolf TM, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):695–700
The biopsychosocial approach: clinical examples from a consultation-liaison service. Part 3. Schultz JR, et al. **Psychosomatics** 1982 Mar;23(3):233–42
The mental hospital revisited: a program. Brey KH. **Schizophr Bull** 1981;7(3):522–6
Assessment of social skills. Liberman RP. **Schizophr Bull** 1982;8(1):62–83
Social dysfunction and treatment failure in schizophrenia. Schooler C, et al. **Schizophr Bull** 1982;8(1):85–98
The effects of latent social needs on physician utilization by immigrants: a replication study. Honig-Parnass T. **Soc Sci Med** 1982;16(5):505–14
Stressful life events, psychological symptoms, and psychosocial adjustment in Anglo, Black, and Cuban elderly. Linn MW, et al. **Soc Sci Med [E]** 1981 Nov; 15(4):283–7
Five years at Beaumont College. Brindley A, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):15–8
[Psychosocial and somatic aspects of epilepsy] Rutgers MJ, et al. **Ned Tijdschr Geneeskd** 1982 May 1;126(18):798–803 (Eng. Abstr.) **(Dut)**
[Compartmentalization of ultradian periods of activity of OF1 mice placed in different sized cages] Guillot A. **C R Soc Biol (Paris)** 1981;175(3):295–302 (Eng. Abstr.) **(Fre)**
[Meaning crises of adolescents, the young generation and society] Ratz K. **Acta Paedopsychiatr (Basel)** 1982 Feb; 47(6):327–39 (Eng. Abstr.) **(Ger)**
[Problems of social adaptation of children in a changing environment (author's transl)] Grosch C. **Arztl Jugendkd** 1981;72(4):252–5 (Eng. Abstr.) **(Ger)**
[On the theory of adaptation and their application concerning the development of students (author's transl)] Kunzendorff E. **Arztl Jugendkd** 1982 Mar;73(1):24–33 **(Ger)**
[Developmental rehabilitation as a medical task for the social integration of handicapped children and children threatened by a handicap] Hellbrügge T. **Fortschr Med** 1981 Sep 17;99(35):1400–4 **(Ger)**
[Living with a chronic disease] Friedrich H, et al. **Med Klin** 1981 Oct 9;76(21):574–81 **(Ger)**
[The problem of intervention in penal institutions (author's transl)] Hartmann K. **Nervenarzt** 1981 Sep;52(9):544–8 **(Ger)**
[The Year of the Handicapped] Genewein CM. **Off Gesundheitswes** 1981 Dec;43(12):627–31 **(Ger)**
[Social integration as the goal of development and rehabilitation of handicapped children] Hellbrügge T. **Off Gesundheitswes** 1981 Dec;43(12):624–6 **(Ger)**
['Vacation dialysis' --a vacation stay for chronically ill children and adolescents with reference ot psychosocial problems. Experiences with planning requirements and possibilities of realization] Dittmann RW. **Prax Kinderpsychol Kinderpsychiatr** 1982 Apr;31(3):103–10 (Eng. Abstr.) **(Ger)**
[Short presentation of the research project 'Sociotherapy with Delinquents'] Reinke-Köberer E, et al. **Psyche (Stuttg)** 1982 Feb;36(2):171–5 **(Ger)**
[Literature as life help. The example of Thomas Mann] Scherg C. **Psyche (Stuttg)** 1982 Jul;36(7):630–61 (Eng. Abstr.) **(Ger)**
[The 'social prestige' of the manic patient] Rabich D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Feb;34(2):120–4 (Eng. Abstr.) **(Ger)**
[Social integration of mentally handicapped persons (author's transl)] Mutters T. **Psychiatr Prax** 1981 Aug;8(3):108–11 (Eng. Abstr.) **(Ger)**
[The combination of analytic psychotherapy with directive and social measures--a contradiction? The dialectics of inner and external reality (author's transl)] Rüger U. **Psychiatr Prax** 1981 Nov;8(4):125–30 (Eng. Abstr.) **(Ger)**
['Confidence lost' and the demand for 'control' - system theory aspects of categorising persons as being beyond the 'fringe' (author's transl)] Simon FB. **Psychiatr Prax** 1982 Mar;9(2):59–63 (Eng. Abstr.) **(Ger)**
[Psychosocial working team Darmstadt: structural problems and experiences (author's transl)] Wedler HL, et al. **Psychiatr Prax** 1981 Aug;8(3):104–7 (Eng. Abstr.) **(Ger)**
[Psycho-social reintegration of the urostoma patient] Studer U, et al. **Schweiz Med Wochenschr** 1981 Nov 28;

111(48):1834–9 (Eng. Abstr.) (Ger)
[Various philosophic-ethical conditions for comprehensive integration of seriously mentally disabled persons into society] Späte HF, et al. **Z Gesamte Hyg** 1981;27(5):412–5 (Eng. Abstr.) (Ger)
[Socio-medical aspects of diabetes mellitus in old age. Experience in southeast Hungary] Iványi J. **Z Psychosom Med Psychoanal** 1981 Jul–Sep;27(3):291–3 (Ger)
[Readiness for breast-feeding--A psychosocial problem (author's transl)] Plesse R, et al. **Zentralbl Gynakol** 1981; 103(14):810–7 (Eng. Abstr.) (Ger)
[Organization of social and professional adaptation of nurses in psychiatric hospitals (author's transl)] Kowalik B, et al. **Psychiatr Pol** 1981 Jul–Dec;15(4–6):423–8 (Pol)
[Performance of social roles as basis of evaluation of effects of psychotherapy in neuroses (author's transl)] Rogiewicz A. **Psychiatr Pol** 1981 Mar–Apr;15(2):145–52 (Eng. Abstr.) (Pol)
[The substrate and various psychobiological determinants of social maladjustment] Kocur J. **Wiad Lek** 1982 May 15; 35(5):335–8 (Pol)
[Level of maternal socio-biological adaptation and risk of perinatal mortality among newborn infants in Novokuznetsk] Babenko AI. **Vestn Akad Med Nauk SSSR** 1981;(6):34–6 (Eng. Abstr.) (Rus)
[Disability in diffuse connective tissue diseases and problems in social and vocational rehabilitation] Morozova RZ, et al. **Vopr Revm** 1982 Apr–Jun;(2):46–8 (Rus)
[Early criteria for the social and occupational prognosis of patients with periodic schizophrenia] Agranovskiĭ ML. **Zh Nevropatol Psikhiatr** 1982;82(5):102–6 (Eng. Abstr.) (Rus)
[Features of the social and vocational adaptation of schizophrenic patients in urban and rural locales (clinico-epidemiologic study)] Buzanova VE. **Zh Nevropatol Psikhiatr** 1982;82(1):124–9 (Eng. Abstr.) (Rus)

SOCIAL ALIENATION

Alienation and ego identity in adolescents. Wilkerson J, et al. **Adolescence** 1982 Spring;17(65):133–9
Marijuana use and alienation: a multivariate analysis. Miranne AC. **Int J Addict** 1981 May;16(4):697–707
Leprosy. A disease of the heart. Crawshaw R. **JAMA** 1982 Aug 6;248(5):573–6
Total deafness. Davis CM. **Lancet** 1982 Aug 14;2(8294):375–6
Anger: an alienating communication hazard for nurses. Duldt BW. **Nurs Outlook** 1981 Nov;29(11):640–4

SOCIAL BEHAVIOR

Parental permission to date and its relationship to drug use and suicidal thoughts among adolescents. Wright LS. **Adolescence** 1982 Summer;17(66):409–18
Individual differences in infant sociability: their origins and implications for cognitive development. Lamb ME. **Adv Child Dev Behav** 1982;16:213–39 (58 ref.)
Prosocial behavior and perspective-taking of mentally retarded and nonretarded children. Bender NN, et al. **Am J Ment Defic** 1982 Jan;86(4):361–6
The 'we' generation. Wenkart A. **Am J Psychoanal** 1981 Winter;41(4):289–90
Skills for helping others to redirect emotional response. Marder JH. **AORN J** 1981 Oct;34(4):658–71
Social judgment and vocational adjustment of mentally retarded adults. Greenspan S, et al. **Appl Res Ment Retard** 1981;2(4):335–46
A multivariate twin analysis of within-family environmental influences in infants' social responsiveness. Rowe DC, et al. **Behav Genet** 1979 Nov;9(6):519–25
Effects of acoustico-lateralis denervation in a facultative schooling fish: a nearest-neighbor matrix analysis. Burgess JW, et al. **Behav Neural Biol** 1981 Dec;33(4):488–97
Schooling behavior of fish: an opiate-dependent activity? Kavaliers M. **Behav Neural Biol** 1981 Dec;33(4):397–401
Temporal patterns in ward disturbance among psychiatric patients. Bouras N, et al. **Br J Clin Psychol** 1981 Jun;20(Pt 2):139–40
Differences in social skills performance between institutionalized juvenile male offenders and a comparable group of boys without offence records. Spence SH. **Br J Clin Psychol** 1981 Sep;20(Pt 3):163–71
The impact of social skills training within an established in-patient treatment programme for anorexia nervosa. Pillay M, et al. **Br J Psychiatry** 1981 Dec;139:533–9
An autoradiographic map of (3H)diprenorphine binding in rat brain: effects of social interaction. Panksepp J, et al. **Brain Res Bull** 1981 Oct;7(4):405–10
Pharmacological evidence for adrenergic activation of hyperthermic responses associated with psychosocial stimulation. Andrews RV. **Comp Biochem Physiol [C]** 1982; 71C(1):111–4
Interictal personality and behavioral traits in temporal lobe and generalized epilepsy. Hermann BP, et al. **Cortex** 1981 Apr;17(1):125–8
Fission in the nuclear family. Lipman A. **Del Med J** 1981 Nov;53(11):573–6
Early social deprivation and the ontogeny of unrestricted social behavior in the laboratory rat. Day HD, et al. **Dev Psychobiol** 1982 Jan;15(1):47–59
Effect of cross-rearing on species identification in zebra fish and pearl danios. McCann LI, et al. **Dev Psychobiol** 1982 Jan;15(1):71–4
Persistence of attention to a novel conspecific: some developmental variables in laboratory rats. Thor DH, et al. **Dev Psychobiol** 1982 Jan;15(1):1–8
Contact-promoting behavior, social development, and relationship with parents in sibling juvenile degus (Octodon degus). Wilson SC. **Dev Psychobiol** 1982 May;15(3):257–68
Misguided mainstreaming: the case for social skills training with handicapped children. Gresham FM. **Except Child** 1982 Feb;48(5):422–33 (94 ref.)
Immature male and adult male interactions in bisexual langur (Presbytis entellus) troops. Boggess J. **Folia Primatol (Basel)** 1982;38(1–2):19–38
Females, male competition and gray langur troop structure. Curtin RA. **Folia Primatol (Basel)** 1982;37(3–4):216–27
Control role of an adult male in a captive group of lowland gorillas. Hoff MP, et al. **Folia Primatol (Basel)** 1982; 38(1–2):72–85
Infant socialization and maternal influence in chimpanzees. Horvat JR, et al. **Folia Primatol (Basel)** 1981;36(1–2):99–110
Notes on the size and composition of groups of proboscis monkey, Nasalis larvatus. Macdonald DW. **Folia Primatol (Basel)** 1982;37(1–2):95–8
Attractivity of male and female rats after early endocrine manipulation. De Jonge FH, et al. **Horm Behav** 1982 Mar; 16(1):1–12
Peer acceptance: the correspondence between children's sociometric scores and teachers' ratings of peer interactions. La Greca AM. **J Abnorm Child Psychol** 1981 Jun;9(2):167–78
A behavioral paradigm for identifying persons at risk for bipolar depressive disorder: a conceptual framework and five validation studies. Depue RA, et al. **J Abnorm Psychol** 1981 Oct;90(5):381–437
5,7-dihydroxytryptamine lesions of dorsal and median raphé nuclei and performance in the social interaction test of anxiety and in a home-cage aggression test. File SE, et al. **J Affective Disord** 1979 Jun;1(2):115–22
Nursery nurses and nursery teachers I: Their assessment of children's verbal-social behaviour. Gipps C. **J Child Psychol Psychiatry** 1982 Jul;23(3):237–54
Further development and validation of the prosocial behaviour questionnaire for use by teachers. Weir K, et al. **J Child Psychol Psychiatry** 1981 Oct;22(4):357–74
Social avoidance and distress as a predictor of perceived locus of control and level of self-esteem. Geist CR, et al. **J Clin Psychol** 1982 Jul;38(3):611–3
Social skills and social anxiety: are different laboratories measuring the same constructs? Curran JP, et al. **J Consult Clin Psychol** 1982 Jun;50(3):396–406
An observation of the infant's response to strangers: a test for ecological validity. Ferrari M. **J Genet Psychol** 1981 Sep;139(First Half):157–8
Sociosexual and hormonal changes in aging female bonnet macaques. Jensen GD, et al. **J Gerontol** 1982 Jul; 37(4):450–3
Inherited activation-inactivation of the star gene in foxes: its bearing on the problem of domestication. Belyaev DK, et al. **J Hered** 1981 Jul–Aug;72(4):267–74
From instinct to identity: implications of changing psychoanalytic concepts of social life from Freud to Erikson. Hoffman LE. **J Hist Behav Sci** 1982 Apr; 18(2):130–46
Coronary-prone behavior, social insecurity and stress among college-aged adults. Suls J, et al. **J Human Stress** 1981 Sep;7(3):27–34
Family practice challenge. The social development of children with chronic illness. Silverglat E, et al. **J Kans Med Soc** 1982 Mar;83(3):143–4, 163
Psychotherapeutic procedure with religious cult devotees. Spero MH. **J Nerv Ment Dis** 1982 Jun;170(6):332–44
Development and evaluation of a computer-automated color TV tracking system for automatic recording of the social and exploratory behavior of small animals. Crawley JN, et al. **J Neurosci Methods** 1982 Mar;5(3):235–47
Psychosocial aspects of constitutional short stature: social competence, behavior problems, self-esteem, and family functioning. Gordon M, et al. **J Pediatr** 1982 Sep; 101(3):477–80
Social behavior and social perception in learning-disabled children: a review with implications for social skills training. La Greca AM. **J Pediatr Psychol** 1981 Dec; 6(4):395–416
Children's social skills: an overview. La Greca AM. **J Pediatr Psychol** 1981 Dec;6(4):335–41
Instigative aggression as a function of past experience and target characteristics. White JW, et al. **J Pers Soc Psychol** 1982 Jun;42(6):1069–75
Attitudinal and social normative factors as predictors of intended alcohol abuse among fifth- and seventh-grade students. London FB. **J Sch Health** 1982 Apr;52(4):244–9
Assessment of social skills in alcoholics and other psychiatric patients. Monti PM, et al. **J Stud Alcohol** 1981 May; 42(5):526–8
Social networks of alcoholics. Strug DL, et al. **J Stud Alcohol** 1981 Sep;42(9):855–84
Drinking and denial of social obligations among adolescent boys. Wilsnack RW, et al. **J Stud Alcohol** 1980 Nov; 41(11):1118–33
The effect of multiple inseminations on the evolution of social behaviors in diploid and haplo-diploid organisms. Wade MJ. **J Theor Biol** 1982 Mar 21;95(2):351–68
Influence of novel male on the social behaviour of a captive group of mature female long-tailed macaques (Macaca fascicularis). Jones E, et al. **Lab Anim** 1982 Apr; 16(2):208–14
Consumer roulette: the shopping patterns of mentally retarded persons. Williams RD, et al. **Ment Retard** 1981 Aug;19(4):145–9
Sounding board. The biopsychosocial model and medical education. Who are to be the teachers? Engel GL. **N Engl J Med** 1982 Apr 1;306(13):802–5
Early change and adaptation in the social behaviour or rats given methyl mercury in the diet. Silverman AP, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):269–81
Health behaviors of women. Collier P. **Nurs Clin North Am** 1982 Mar;17(1):121–6
Contrasting effects of Org 2766 and alpha-MSH on social and exploratory behavior in the rat. File SE. **Peptides (Fayetteville)** 1981 Fall;2(3):255–60
Opiate antagonists stimulate affiliative behaviour in monkeys. Fabre-Nys C, et al. **Pharmacol Biochem Behav** 1982 Apr; 16(4):653–9
The effects of methadone on the social behavior and activity of the rat. Plonsky M, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):569–71
Medial hypothalamic lesions in the rat enhance reactivity and mouse killing but not social aggression. Albert DJ, et al. **Physiol Behav** 1982 May;28(5):791–5
Social and solitary drinking: effects on consumption and mood in male social drinkers. Lindman R. **Physiol Behav** 1982 Jun;28(6):1093–5
Social network characteristics of hospitalized depressed patients. Brim J, et al. **Psychol Rep** 1982 Apr;50(2):423–33
Self-report and behavioral measures with heterosocially anxious subjects. Montgomery RL, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1219–22
Group-self identification and physical handicap: implication for patient support groups. Dixon JK. **Res Nurs Health** 1981 Sep;4(3):299–308
The effects of three styles of teaching on the psychomotor performance and social skill development of fifth grade children. Goldberger M, et al. **Res Q Exerc Sport** 1982 Jun;53(2):116–24
The socio-sexual behavior of Japanese monkeys. Takahata Y. **Z Tierpsychol** 1982 Jun;59(2):89–108
[Evolution of the social life] Novák VJ. **Cesk Fysiol** 1981; 30(6):481–95 (Cze)
[Study of the intraspecific intolerance behavior of Rattus norvegicus] Pescetto G, et al. **Riv Neurobiol** 1980 Apr–Jun; 26(2):113–43 (Eng. Abstr.) (Ita)
[Criteria for social stratification] da Silva GB. **Rev Saude Publica** 1981 Feb;15(1):38–45 (Eng. Abstr.) (Por)
[Clinical criteria for the social dangerousness of schizophrenics (syndromes with a predominance of delusional and hallucinatory disorders)] Shumakov VM, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1218–23 (Eng. Abstr.) (Rus)
['Manipulators' and 'parasites' in a group of monkeys] Chizhenkov AM. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1292–4 (Rus)
[2-chamber apparatus for studying group behavior in mice] Lisitskiĭ AV, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1316–7 (Rus)
[Resistance to hypoxia of rats with different behavioral characteristics] Patkina NA, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1224–9 (Eng. Abstr.) (Rus)

DRUG EFFECTS

The effects of imipramine on socio-emotional and alimentary motivated behavior in dogs. Zagrodzka J, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(4):363–72
The effect of pen design and the tranquilising drug, azaperone, on the growth and behaviour of weaned pigs. Blackshaw JK. **Aust Vet J** 1981 Jun;57(6):272–5
Effects of medroxyprogesterone acetate on socio-sexual behavior of stumptail macaques. Steklis HD, et al. **Physiol Behav** 1982 Mar;28(3):535–44
Disruption of primate social behavior by d-amphetamine and cocaine: differential antagonism by antipsychotics. Miczek KA, et al. **Psychopharmacology (Berlin)** 1982;76(2):163–71

SOCIAL BEHAVIOR DISORDERS

see related
ANTISOCIAL PERSONALITY DISORDER

My dosser. James WH. **Br J Psychiatry** 1981 Sep;139:245–6
The role of models in the medical explanation of socially maladaptive behavior. Thompson RP. **J Med Philos** 1981 Nov;6(4):423–36

DRUG THERAPY

Studies of the long term efficacy of antipsychotic drugs in controlling the behavior of institutionalized retardates. Zimmermann RL, et al. **J Am Acad Child Psychiatry** 1982 Mar;21(2):136–43

ETIOLOGY

Rage: implied neurological correlates. Coutant NS.

J Neurosurg Nurs 1982 Feb;14(1):28-33
[On the problem of sociosexual adaptation of objects of incestuous delinquency (author's transl)] Topiař A, et al. Cesk Psychiatr 1981 Oct;77(5):335-9 (Eng. Abstr.) (Cze)
['Sociosis'--an ethopathological concept of a social disorder of childhood] Hellbrügge T. Acta Paedopsychiatr (Basel) 1981 Jun;47(2):99-107 (Eng. Abstr.) (Ger)
[Early deprivation as a cause of social problems] Schetelig H. Off Gesundheitswes 1981 Sep;43(9):436-40 (Ger)

FAMILIAL & GENETIC

A half-sibling study of aggressive conduct disorder. Prevalence of disorders in parents, brothers and sisters. Twito TJ, et al. Neuropsychobiology 1982;8(3):144-50
Chromosomes and violence. Pitcher DR. Practitioner 1982 Mar;226(1365):497-501

OCCURRENCE

A psychogeriatric survey of old people's homes. Clarke MG, et al. Br Med J [Clin Res] 1981 Nov 14;283(6302):1307-10
Adolescent psychiatric hospitalization and ethnic origin: Hawaii 1979. Choy SS. Hawaii Med J 1981 Nov; 40(11):320-2
Social symptoms in the community. Hannay DR. Int J Soc Psychiatry 1982 Spring;28(1):60-4

PSYCHOLOGY

Factors predisposing to institutionalism. Liberakis EA. Acta Psychiatr Scand 1981 Apr;63(4):357-66
Abnormal behavior: social approaches. Eron LD, et al. Annu Rev Psychol 1982;33:231-64
The creative abilities of children with social and emotional problem. Paget KD. J Abnorm Child Psychol 1982 Mar; 10(1):107-12
Effects of atmospheric electricity on some substrates of disordered social behavior. Charry JM, et al. J Pers Soc Psychol 1981 Jul;41(1):185-97
[The role of victimology in forensic psychiatric certification (author's transl)] Skoczkowski J. Psychiatr Pol 1981 Mar-Apr;15(2):217-20 (19 ref.) (Pol)

REHABILITATION

Effects of cue-controlled relaxation, a credible placebo treatment and no treatment on shyness among college males. McGlynn FD, et al. J Behav Ther Exp Psychiatry 1981 Dec;12(4):299-306
Teaching cognitive and social skills to high school students. Sarason IG, et al. J Consult Clin Psychol 1981 Dec; 49(6):908-18
Peer social initiations and the modification of social withdrawal: a review and future perspective. Strain PS, et al. J Pediatr Psychol 1981 Dec;6(4):417-33
Modifying shyness-related social behavior through symptom misattribution. Brodt SE, et al. J Pers Soc Psychol 1981 Sep;41(3):437-49

THERAPY

Video-counseling for multi-handicapped hearing-impaired students. Boham BE, et al. Am Ann Deaf 1981 Sep; 126(6):587-90
Conflict resolution training program: problem solving strategies for hearing-impaired students with behavior problems. Owner SZ, et al. Am Ann Deaf 1981 Sep; 126(6):619-26
Nonexclusionary timeout: maintenance of appropriate behavior across settings. Huguenin NH, et al. Appl Res Ment Retard 1981;2(1):55-67
A case study of vocal volume reduction. Lodge JM, et al. J Speech Hear Disord 1981 Aug;46(3):317-20
Social skills intervention in the treatment of isolated or withdrawn children. Conger JC, et al. Psychol Bull 1981 Nov;90(3):478-95
[Guidelines for activation therapy. Progress in behavior therapy] Lückert HR. Ther Ggw 1982 Jan;121(1):7-20 (Ger)
[Non-psychotic mental disorders in adolescents. Problems of hospitalization and diagnosis in follow-up studies (author's transl)] Mamrot E. Psychiatr Pol 1981 Mar-Apr; 15(2):153-9 (Eng. Abstr.) (Pol)

SOCIAL BREAKDOWN SYNDROME see under **SOCIAL BEHAVIOR DISORDERS**

SOCIAL CHANGE

see related
GROUP PROCESSES

Oral rehydration and social change: the control of diarrheal diseases in the third world [editorial] Yankauer A. Am J Public Health 1982 Oct;72(10):1105-6
An asocial psychology and a misdirected clinical psychology. Sarason SB. Am Psychol 1981 Aug;36(8):827-36
The change paradigm in nursing: growth versus persistence. Hall BA. ANS 1981 Jul;3(4):1-6
Psychiatric profiles of adolescents in pre-revolutionary Iran. Aminian H, et al. Child Psychiatry Hum Dev 1981 Winter; 12(2):106-20
Fission in the nuclear family. Lipman A. Del Med J 1981 Nov;53(11):573-6
Implementing comprehensive health education: educational innovations and social change. Kolbe LJ, et al. Health Educ Q 1981 Spring;8(1):57-80
Role continuity or crisis in later life? A Corsican case. Cool LE. Int J Aging Hum Dev 1981;13(3):169-81
Women and social security: social policy adjusts to social change. Kahne H. Int J Aging Hum Dev 1981;13(3):195-208
Aging, the use of time, and social change. Ward RA. Int J Aging Hum Dev 1981-82;14(3):177-87
Health education for social change: a strategy for public health in the US. Freudenberg N. Int J Health Educ 1982; 24(3):138-45
Technology and nursing education: a scenario for 1990. Ackerman WB. J Adv Nurs 1982 Jan;7(1):59-68
Local public health departments: the force of tradition vs. the pressures for change. Reilly BJ, et al. J Community Health 1981 Winter;7(2):129-37
Social research on aging and the aged: where are we now? Shanas E. Mt Sinai J Med (NY) 1981 Nov-Dec;48(6):552-6
What has become of the traditional nurse? Greiner PA. Nurs Outlook 1981 Dec;29(12):720-1
Directiveness in psychotherapy and the 'sexual revolution'. Comfort A. Psychiatry 1981 Nov;44(4):318-26
Child-feeding habits in a situation of social change: the case of Maiduguri, Nigeria. Igun UA. Soc Sci Med 1982; 16(7):769-81
Effect of modernization on Kuwaiti women. Meleis AI. Soc Sci Med 1982;16(9):965-70
Suicide by industry and occupation: a structural-change approach. Reinhart GR, et al. Suicide Life Threat Behav 1982 Spring;12(1):34-45
[I like stress, provided it is not too much (Byron)] Boeke PE. Ned Tijdschr Geneeskd 1981 Oct 10;125(41):1645-8 (Dut)
[The child in a changing society] Taipale V. Duodecim 1981; 97(20):1696-9 (Fin)
[Society, illness panorama and therapeutic possibilities in change before the background of sensors and reactors to this change: our brain (II)] Weber P. Med Welt 1981 Oct 23;32(43):1630-3 (Ger)
[Society, illness panorama and therapeutic possibilities in change before the background of sensors and reactors to this change: our brain (I)] Weber P. Med Welt 1981 Oct 16;32(42):1578-81 (Ger)
[Readiness for breast-feeding--A psychosocial problem (author's transl)] Plesse R, et al. Zentralbl Gynakol 1981; 103(14):810-7 (Eng. Abstr.) (Ger)

SOCIAL CLASS

Sex-role patterns, paternal rearing attitudes and child development in different social classes. Nettelbladt P, et al. Acta Psychiatr Scand 1981 Jul;64(1):12-24
Social class indicators and mortality in low birth weight infants. Paneth N, et al. Am J Epidemiol 1982 Aug; 116(2):364-75
Temperament characteristics of children in relation to gender, birth order, and social class. Persson-Blennow I, et al. Am J Orthopsychiatry 1981 Oct;51(4):710-4
Child health and socioeconomic status [editorial] Starfield BH. Am J Public Health 1982 Jun;72(6):532-4
Social class and emotional distress: (Comment on Kessler and Cleary, ASR, June 1980). Vanfossen BE, et al. Am Sociol Rev 1981 Oct;46(5):688-97
Trace elements, nutritional status, and social stratification at Etowah, Georgia. Blakely RL, et al. Ann NY Acad Sci 1981;376:417-31
Social class correlations among separately adopted siblings and unrelated individuals adopted together. Teasdale TW, et al. Behav Genet 1981 Nov;11(6):577-88
Acute appendicitis and social class. Andersson N, et al. Br J Clin Pract 1981 Jul-Aug;35(7-8):272-3
Relationship of missed psychotherapy appointments to premature termination and social class. Berrigan LP, et al. Br J Clin Psychol 1981 Nov;20(Pt 4):239-42
Smoking and drinking by middle-aged British men: effects of social class and town of residence. Cummins RO, et al. Br Med J [Clin Res] 1981 Dec 5;283(6305):1497-502
The effect of female social position on geographic variations in the sex ratio of arrests. Radelet ML. Bull Am Acad Psychiatry Law 1980;8(4):465-76
Caries in permanent dentition and social class of children participating in public dental care in fluoridated and nonfluoridated areas. Hausen H, et al. Community Dent Oral Epidemiol 1981 Dec;9(6):289-91
Caries in primary dentition and social class in high and low fluoride areas. Hausen H, et al. Community Dent Oral Epidemiol 1982 Feb;10(1):33-6
Social class and birthweight: a new look. Ounsted M, et al. Early Hum Dev 1982 Jan;6(1):83-9
How different social classes benefit from the subsidized orthodontic services in Norway. Sivertsen R. Eur J Orthod 1981;3(4):273-7
Social class and diagnosis in psychiatric outpatient and emergency clinic attenders. Clark I. Health Bull (Edinb) 1982 May;40(3):140-4
Age and inequality: a critique of the age stratification model. Dowd JJ. Hum Dev 1981;24(3):157-71
Socio-economic class differences in cancer incidence in Cali, Colombia. Cuello C, et al. Int J Cancer 1982 Jun 15; 29(6):637-43
Alternative conceptions of class and status and symptoms of psychological distress. Dowdall GW, et al. Int J Health Serv 1982;12(1):131-49
Social class and depressive symptomatology. Ayuso-Gutiérrez JA, et al. Int J Soc Psychiatry 1981 Winter;27(4):297-9
Social class and psychological disorder in natives and immigrants to Britain. Cochrane R, et al. Int J Soc Psychiatry 1981 Autumn;27(3):173-83
Incidence of juvenile onset diabetes in Montreal--demonstration of ethnic differences and socio-economic class differences. Colle E, et al. J Chronic Dis 1981;34(12):611-6
Nursery school children's temperament related to sex, birth position, and socioeconomic status. Simonds JF, et al. J Pediatr Psychol 1982 Mar;7(1):49-59
Obesity in women in relation to mental illness, social factors and personality traits. Hällström T, et al. J Psychosom Res 1981;25(2):75-82
Weight gain in adulthood in relation to socioeconomic factors, mental illness and personality traits: a prospective study of middle-aged women. Noppa H, et al. J Psychosom Res 1981;25(2):83-9
Social attributes, problem drinking and alcoholism treatment contacts. Labeling versus social etiology. Fitzgerald JL, et al. J Stud Alcohol 1981 May;42(5):403-13
At home and abroad [editorial] Lancet 1982 Jan 2; 1(8262):23-4
Influence of morbidity, illness label, and social, family, and health service factors on drug treatment of childhood asthma. Anderson HR, et al. Lancet 1981 Nov 7; 2(8254):1030-2
Perinatal mortality and social class in the West Midlands. Garratt FN, et al. Lancet 1981 Dec 19-26; 2(8260-61):1414-5
Childhood leukaemia and social status [letter] Hann IM, et al. Lancet 1981 Dec 5;2(8258):1282-3
Climacteric symptoms according to body weight in women of different socio-economic groups. Campagnoli C, et al. Maturitas 1981 Dec;3(3-4):279-87
The social class of medical students. McManus IC. Med Educ 1982 Mar;16(2):72-5
Child health and social status. Egbuonu L, et al. Pediatrics 1982 May;69(5):550-7 (60 ref.)
Development of tactile-visual relations in lower-class children. Belmont I, et al. Percept Mot Skills 1982 Feb; 54(1):22
Clients' characteristics as mediating variables in perception of counselors' social influence. McKay JK, et al. Percept Mot Skills 1982 Apr;54(2):523-6
Class, familism and utilization of health services in Durango, Mexico: a replication. Heller PL, et al. Soc Sci Med [a] 1981 Sep;15(5):539-41
Convergence and divergence in regional patterns of infant mortality in the United Kingdom from 1949-51 to 1970-72. Knox PL. Soc Sci Med [D] 1981 Aug;15D(3):323-8
Privilege and the Professions. Portwood D, et al. Sociol Rev 1981 Nov;29(4):749-73
[The effect of social class on caries incidence degree of hygiene and oral hygiene in adolescents] Pieper K, et al. Dtsch Zahnarztl Z 1981 Jun;36(6):376-8 (Eng. Abstr.) (Ger)
[The ascent into the bourgeoisie and its price. Charles Dickens as example] Jacoby E. Psyche (Stuttg) 1982 Jul; 36(7):609-29 (Eng. Abstr.) (Ger)
[The 'social prestige' of the manic patient] Rabich D, et al. Psychiatr Neurol Med Psychol (Leipz) 1982 Feb;34(2):120-4 (Eng. Abstr.) (Ger)
[Effect of the working class on legislation covering occupational diseases and industrial hygiene in the Weimar Republic from 1925 to 1929] Moschke G. Z Gesamte Hyg 1981 Apr;27(4):307-9 (Eng. Abstr.) (Ger)
[The weight of aristocratic birth and incidence of genealogic paranoia in the society of the Austro-Hungarian monarchy] Pisztora F. Orv Hetil 1981 Jun 28;122(26):1593-5 (Hun)
[Psychomotor development of pre-school children from different socio-educational groups in the Białystok region] Piotrowska-Jastrzębska J. Pediatr Pol 1981 May; 56(5):481-6 (Eng. Abstr.) (Pol)
[Criteria for social stratification] da Silva GB. Rev Saude Publica 1981 Feb;15(1):38-45 (Eng. Abstr.) (Por)

SOCIAL CLUBS, THERAPEUTIC see **SELF-HELP GROUPS**

SOCIAL CONDITIONS

Preventive activities and services for the well elderly. Kirchman MM, et al. Am J Occup Ther 1982 Apr; 36(4):236-42
Social and obstetric features associated with smoking in pregnancy. Cardozo LD, et al. Br J Obstet Gynaecol 1982 Aug;89(8):622-7
Social and demographic determinants of fertility in Sri Lanka. Fernando DF. J Biosoc Sci 1982 Jan;14(1):59-67
Sociomedical issues in the curriculum: a model for institutional change. Gessner PK, et al. J Med Educ 1981 Dec;56(12):987-93
'Civilization-associated' diseases in Europe and industrial countries outside of Europe: regional differences and trends in mortality. Junge B, et al. Prev Med 1982 Mar;

11(2):117–30
Changes in public health in London in the past fifty years. Benjamin B. **R Soc Health J** 1981 Dec;101(6):245–60
[The interest paid by the physicians to the health condition of the working population in the second twenty-five volume years of the journal Casopis lékařu českých (Journal of Czech Physicians) (author's transl)] Rozsívalová E, et al. **Cas Lek Cesk** 1981;120(52):1594–8 **(Cze)**
[Urethritis in males. Comparison of some social and sexual conditions in males with gonorrhea and non-gonococcal urethritis] Andersen BL. **Ugeskr Laeger** 1981 Oct 19; 143(43):2845–7 (Eng. Abstr.) **(Dan)**
[Living conditions of children during the growing-up period in relation to hospitalization in later years. A follow-up study II] Andersen TF. **Ugeskr Laeger** 1981 Dec 21; 143(52):3579–82 (Eng. Abstr.) **(Dan)**
[Prolonged sick leave X. Sick leave caused by social factors and diseases in the municipality of Copenhagen. Occurrence, number of cases and expenses for maintenance allowances] Frost FA. **Ugeskr Laeger** 1981 May 11; 143(20):1294–7 (Eng. Abstr.) **(Dan)**
[Prolonged sick leave IX. An analysis of the relation between medical and social causes] Frost FA. **Ugeskr Laeger** 1981 May 4;143(19):1236–41 (Eng. Abstr.) **(Dan)**
[Living conditions of younger disability pensioners. A study of the state of younger disability pensioners in Odense county] Jessen G, et al. **Ugeskr Laeger** 1981 Jun 8; 143(24):1555–8 (Eng. Abstr.) **(Dan)**
[Otitis media in childhood. I. Significance of daily care] Vinther B, et al. **Ugeskr Laeger** 1981 Aug 3;143(32):2061–4 (Eng. Abstr.) **(Dan)**
[Social aspects in fighting against tuberculosis] Ganguin HG. **Z Erkr Atmungsorgane** 1982;158(1–2):24–35 (Eng. Abstr.) **(Ger)**
[Sociohygienic consequences of the elucidation of the etiology of tuberculosis by Robert Koch] Rothe J, et al. **Z Gesamte Hyg** 1982 Mar;28(3):176–9 (Eng. Abstr.) **(Ger)**

SOCIAL CONFORMITY

see related
SOCIAL CONTROL, INFORMAL
Rule-violating behavior of delinquent and non-delinquent youth in games. Serok S, et al. **Adolescence** 1982 Summer; 17(66):457–64
Cults and mental health: clinical conclusions. Levine SV. **Can J Psychiatry** 1981 Dec;26(8):534–9
'Friendly persuasion': a social network analysis of sex differences in marijuana use. Wister AV, et al. **Int J Addict** 1982 Apr;17(3):523–41
Psychotherapeutic procedure with religious cult devotees. Spero MH. **J Nerv Ment Dis** 1982 Jun;170(6):332–44
Hypnotic susceptibility and conformity: in the mediational mechanism of suggestibility. Shames ML. **Psychol Rep** 1981 Oct;49(2):563–6
[Interpersonal perception and conformity tendencies in patients with ulcerative colitis] Künsebeck HW, et al. **Z Klin Psychol Psychother** 1981;29(3):255–62 **(Ger)**
[Effect of students' psychological set on smoking and effect of sociometric status, his style of social contact and need for social contact on their nicotine habits] Lavrova IG, et al. **Gig Sanit** 1981 Aug;(8):49–51 **(Rus)**

SOCIAL CONTROL, FORMAL

Juvenile offenders' diversion potential as a function of police perceptions. Kraus J, et al. **Am J Community Psychol** 1982 Apr;10(2):171–82
Deadly force: some human and ethical considerations. Wilber CG. **Am J Forensic Med Pathol** 1982 Jun;3(2):165–77
Deaths in police custody in England and Wales. Johnson HR. **Forensic Sci Int** 1982 May–Jun;19(3):231–6
A police informer in a hospital bed. Commentary. Boisaubin EV. **Hastings Cent Rep** 1981 Oct;11(5):17
A police informer in a hospital bed. Commentary. Shelp EE. **Hastings Cent Rep** 1981 Oct;11(5):18
Adult marijuana use and Becker's social controls. Hilliker JK, et al. **Int J Addict** 1981 Aug;16(6):1009–30
The doctrine of fitness to stand trial in Canada: the forked tongue of social control. Verdun-Jones SN. **Int J Law Psychiatry** 1981;4(3–4):363–89
Social, economic, and health aspects of mandatory retirement. Somers AR. **J Health Polit Policy Law** 1981 Fall;6(3):542–57
Physician discipline; Board of Regent's role. Asher RS. **NY State J Med** 1982 May;82(6):953–5
Police officers killed and the guns used by criminals. Lester D. **Psychol Rep** 1982 Jun;50(3 Pt 2):1206
Subjective stress and sources of stress for police officers. Lester D. **Psychol Rep** 1982 Jun;50(3 Pt 2):1094
Reagan alters makeup of ethics panel [news] Culliton BJ. **Science** 1982 Aug 20;217(4561):715–6
Current problems in medical practice. As viewed by California physicians. Denson TA, et al. **West J Med** 1982 Apr;136(4):369–72
[Giving a patient's name to the police] Rieger HJ. **Dtsch Med Wochenschr** 1982 Mar 5;107(9):352–3 **(Ger)**
[Political significance of social care for the control of social processes based on Marxism-Leninism] Riedel I, et al. **Z Gesamte Hyg** 1981;27(8):633–8 (Eng. Abstr.) **(Ger)**
[Can the police prevent or control a panic?] Giese W. **ZFA (Stuttgart)** 1982 Jun 30;58(18):997–1003 **(Ger)**
[Medical aspects of the new outline of the Penal Code] Moya Pueyo V. **An R Acad Nac Med (Madr)** 1981;98(2):117–32 **(Spa)**

SOCIAL CONTROL, INFORMAL

The effect of contract witnessing on motivation and weight loss in a weight control program. Ureda JR. **Health Educ Q** 1980 Fall;7(3):163–85
The effect of differently worded no-smoking signs on smoking behavior. Dawley HH Jr, et al. **Int J Addict** 1981 Dec;16(8):1467–71

SOCIAL DESIRABILITY

Peer popularity and peer communication patterns: hyperactive versus active but normal boys. King CA, et al. **J Abnorm Child Psychol** 1981 Dec;9(4):465–82
Peer acceptance: the correspondence between children's sociometric scores and teachers' ratings of peer interactions. La Greca AM. **J Abnorm Child Psychol** 1981 Jun;9(2):167–78
Depression, schizophrenia, and social attraction. Boswell PC, et al. **J Consult Clin Psychol** 1981 Oct;49(5):641–7
Assessment of suicide ideation and parasuicide: hopelessness and social desirability. Linehan MM, et al. **J Consult Clin Psychol** 1981 Oct;49(5):773–5
Relationship between social desirability and self-criticism in subgroups of male and female delinquents and non-delinquents. Eyo IE. **Psychol Rep** 1981 Dec; 49(3):711–6
[The significance of body height in human society. I. Examinations of social body height differentiation] Schumacher A. **Z Morphol Anthropol** 1981;72(2):213–28 (Eng. Abstr.) **(Ger)**
[The significance of body height in human society. II. Attempt at a causal analysis of social body height selection] Schumacher A. **Z Morphol Anthropol** 1981;72(3):233–45 (Eng. Abstr.) **(Ger)**

SOCIAL DISCRIMINATION see **PREJUDICE**

SOCIAL DISORGANIZATION see **ANOMIE**

SOCIAL DISTANCE

Symptom bearer as marital distance regulator: clinical implications. Byng-Hall J. **Fam Process** 1980 Dec; 19(4):355–65
Effects of stress on interpersonal distance in a simulated interview situation. Ugwuegbu DC, et al. **J Soc Psychol** 1982 Feb;116(First Half):3–7

SOCIAL DOMINANCE

Family Hierarchies. Robbins M, et al. **Am J Nurs** 1982 Feb; 82(2):284–6
The conceptualization of power. Beck CT. **ANS** 1982 Jan; 4(2):1–17
The effects of sexual status on threat, attack and subordinate behaviors of papio monkeys. Noll PE, et al. **Arch Sex Behav** 1982 Feb;11(1):65–72
Lesions of the region ventral to the anterior septum increase mouse killing and reactivity but not social attack. Albert DJ, et al. **Behav Neural Biol** 1982 Mar;34(3):283–95
Dyad grid dilemmas in patients and control subjects. Ryle A. **Br J Med Psychol** 1981 Dec;54(Pt 4):353–8
The belittled wife: social, legal and psychotherapeutic considerations. Gold JH, et al. **Can J Psychiatry** 1981 Oct; 26(6):402–5
Role of subordination in nephritis of socially stressed mice. Henry JP, et al. **Clin Exp Hypertens [A]** 1982; 4(4–5):695–705
Social rank and darwinian fitness in a multimale group of Barbary macaques (Macaca sylvana Linnaeus, 1758). Dominance reversals and male reproductive success. Witt R, et al. **Folia Primatol (Basel)** 1981;36(3–4):201–11
Age-associated changes in plasma testosterone levels in male mice and their relation to social dominance or subordinance. Machida T, et al. **Horm Behav** 1981 Sep; 15(3):238–45
Exchange and power in special settings for the aged. Schmidt MG. **Int J Aging Hum Dev** 1981–82;14(3):157–66
Incest and omnipotence in the internal family. Samuels A. **J Anal Psychol** 1980 Jan;25(1):37–57
Practitioner or patient—who's in charge? Haug MR, et al. **J Health Soc Behav** 1981 Sep;22(3):212–29
Birth timing and social rank of adult male rhesus monkeys (Macaca mulatta). Smith DG. **J Med Primatol** 1981; 10(4–5):279–83
Dominance in the marriages of affective patients. Hoover CF, et al. **J Nerv Ment Dis** 1981 Oct;169(10):624–8
Inhibition of ovarian function in subordinate female marmoset monkeys (Callithrix jacchus jacchus). Abbott DH, et al. **J Reprod Fertil** 1981 Nov;63(2):335–45
Effects of rank and novel females on behaviour and hormones in male talapoin monkeys. Yodyingyuad U, et al. **Physiol Behav** 1982 Jun;28(6):995–1005
Dominance rank, copulatory behavior, and differential reproduction. Dewsbury DA. **Q Rev Biol** 1982 Jun; 57(2):135–59 (202 ref.)
Gender differences in competition and dominance during married-couples group therapy. McCarrick AK, et al. **Soc Psychol Q** 1981 Sep;44(3):164–77
Problems & values associated with dominance. Beaver BV. **VM SAC** 1981 Aug;76(8):1129–31
[The significance of body height in human society. II. Attempt at a causal analysis of social body height selection] Schumacher A. **Z Morphol Anthropol** 1981;72(3):233–45 (Eng. Abstr.) **(Ger)**
[The significance of body height in human society. I. Examinations of social body height differentiation] Schumacher A. **Z Morphol Anthropol** 1981;72(2):213–28 (Eng. Abstr.) **(Ger)**
[The crime of subjugation and hypnosis] Granone F. **Minerva Med** 1982 Mar 10;73(10):549 **(Ita)**
[Hierarchical interrelationships in groups of mice with different behaviour patterns (letter)] Lisitskiĭ AV, et al. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):314–5 **(Rus)**
[Ability to perform an extrapolated task in male Rattus norvegicus holding different rank positions in a hierarchical group structure] Krushinskaia NL, et al. **Zh Obshch Biol** 1982 Jan–Feb;43(1):72–8 **(Rus)**
[Group hierarchy and vegetative control of cardiac function in Macaques (author's transl)] Cerkovičová GM, et al. **Bratisl Lek Listy** 1982 May;77(5):516–25 (Eng. Abstr.) **(Slo)**
[Social dominance in groups of green monkeys (Cercopithecus aethiops) in captivity] García-Castells E, et al. **Bol Estud Med Biol** 1980 Jul–Oct;31(3–4):127–37 (Eng. Abstr.) **(Spa)**

SOCIAL ENVIRONMENT

The role of psychosocial risks in patients with early myocardial infarction. Siegrist J, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):14–24
Psychophysiological risk factors of cardiovascular diseases: Psychosocial stress, personality, and occupational specificity. Slabý A. **Act Nerv Super (Praha)** 1982 Mar; 24(1):34–8
Environmental factors in childhood accidents. A prospective study in Göteborg, Sweden. Nathorst Westfelt JA. **Acta Paediatr Scand [Suppl]** 1982;291:1–75
Self-esteem and social network of the young pregnant teenager. Held L. **Adolescence** 1981 Winter;16(64):905–12
Social network analysis and coronary heart disease. Berkman LF. **Adv Cardiol** 1982;29:37–49
Introduction to the role of psychosocial stressors in ischaemic heart disease. Kagan A. **Adv Cardiol** 1982;29:18–24
Hypothesis-testing and the study of psychosocial factors. Introduction and objectives of the meeting. Marmot MG. **Adv Cardiol** 1982;29:3–9
Laing's 'conspiratorial' theory of mental illness and folk societies. Erinosho OA. **Afr J Psychiatr** 1981 Jan–Apr; 7(1–2):31–5
Primary prevention during school transitions: social support and environmental structure. Felner RD, et al. **Am J Community Psychol** 1982 Jun;10(3):277–90
Alcoholism outreach in single room occupancies. Bissell L, et al. **Am J Drug Alcohol Abuse** 1981;8(2):215–24
The association of social relationships and activities with mortality: prospective evidence from the Tecumseh Community Health Study. House JS, et al. **Am J Epidemiol** 1982 Jul;116(1):123–40
Social-environmental factors as predictors of adjustment of deinstitutionalized mentally retarded adults. Willer B, et al. **Am J Ment Defic** 1981 Nov;86(3):252–9
Ecological systems model for occupational therapy. Howe MC, et al. **Am J Occup Ther** 1982 May;36(5):322–7
Human ecology and the mental health professions. Gordon EW. **Am J Orthopsychiatry** 1982 Jan;52(1):109–10
Some environmental and familial correlates and antecedents of hyperactivity. Hartsough CS, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):272–87
Family social support in crises: the special case of divorce. Kitson GC, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):161–5
An ecological intervention with adolescents in low-income families. Kraft SP, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):131–40
The clinical use of social-ecological concepts: the case of an adolescent girl. Moos RH, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):111–22
Delivery of social support: the social inoculation. Pilisuk M. **Am J Orthopsychiatry** 1982 Jan;52(1):20–31
Labeling the learning disabled child: the social ecology of educational practice. Rist RC, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):146–60
The influence of family variables on an ecologically-based treatment program for emotionally disturbed children. Tittler BI, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):123–30
Human ecology: primary prevention in pediatrics. Wallinga JV. **Am J Orthopsychiatry** 1982 Jan;52(1):141–5
Racial and geographic differences in the psychopathology of schizophrenia. Adebimpe VR, et al. **Am J Psychiatry** 1982 Jul;139(7):888–91
Social networks and mental health: on overview. Greenblatt M, et al. **Am J Psychiatry** 1982 Aug;139(8):977–84 (62 ref.)
Depression in childhood: a biopsychosocial perspective. Lewis M, et al. **Am J Psychother** 1981 Jul;35(3):323–9
Social support: a model for clinical research and application. Norbeck JS. **ANS** 1981 Jul;3(4):43–59

Epidemiology of affective disorders. Hirschfeld RM, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):35–46

Relaxation training. Blood pressure lowering during the working day. Southam MA, et al. **Arch Gen Psychiatry** 1982 Jun;39(6):715–7

The influence of the parental environment on sexual maturation in male mice. Jean-Faucher C, et al. **Arch Int Physiol Biochim** 1981 Dec;89(5):467–73

Tender loving care and atheroma in cholesterol-fed N.Z. white rabbits [letter] Gow BS, et al. **Atherosclerosis** 1982 Jul;44(1):121–2

Personal networks and the schizophrenias. Henderson S. **Aust NZ J Psychiatry** 1980 Dec;14(4):255–9

The effects of early-life undernutrition and subsequent environment on morphological parameters of the rat brain. Katz HB, et al. **Behav Brain Res** 1982 May;5(1):53–64

Pattern discrimination in rabbits kept in environments of different complexities after unilateral removal of the occipital cortex. Stuurman PM, et al. **Behav Brain Res** 1980 Jun;1(3):211–26

Social class correlations among separately adopted siblings and unrelated individuals adopted together. Teasdale TW, et al. **Behav Genet** 1981 Nov;11(6):577–88

Social housing conditions influence escape deficits produced by uncontrollable stress: assessment of the contribution of norepinephrine. Anisman H, et al. **Behav Neural Biol** 1981 Aug;32(4):406–27

Circadian and ultradian activity rhythms of a freshwater gastropod, Helisoma trivolis: the effects of social factors and eye removal. Kavaliers M. **Behav Neural Biol** 1981 Jul;32(3):350–63

Environmental enrichment and neurotransmitter receptors. Por SB, et al. **Behav Neural Biol** 1982 Feb;34(2):132–40

Effect of olfactory bulbectomy on reactivity to environmental stimuli in the preweaning rat. Raskin LA. **Behav Neural Biol** 1982 Mar;34(3):307–18

The influence of rendering rats anosmic on the poisoned-partner effect. Stierhoff KA, et al. **Behav Neural Biol** 1982 Feb;34(2):180–9

The effects of sex and fear level of subjects on the snake approach behavior of dyads. Evans PD. **Behav Res Ther** 1981;19(3):207–14

Sleep patterns during rearing under different environmental conditions in juvenile rats. Mirmiran M, et al. **Brain Res** 1982 Feb 11;233(2):287–98

Synaptic contact curvature: effects of differential rearing on rat occipital cortex. Wesa JM, et al. **Brain Res** 1982 Jun; 256(2):253–7

Infant irritability, mother responsiveness, and social support influences on the security of infant-mother attachment. Crockenberg SB. **Child Dev** 1981 Sep;52(3):857–65

Children's color perception in relation to habitat and skin color. Gaines R, et al. **Child Dev** 1981 Sep;52(3):914–20

The relationship between twelve-month home stimulation and school achievement. van Doorninck WJ, et al. **Child Dev** 1981 Sep;52(3):1080–3

An ecological model for assessing psychosocial difficulties in children. Hess P, et al. **Child Welfare** 1981 Sep–Oct; 60(8):499–518

Social structure and U.S. inter-state fertility differentials in 1900. Guest AM. **Demography** 1981 Nov;18(4):465–86

Environmental effects on the ontogeny of exploratory and escape behaviors of Mongolian gerbils. Clark MM, et al. **Dev Psychobiol** 1982 Mar;15(2):121–9

Cortical depth changes in enriched and isolated mice. Cummins RA, et al. **Dev Psychobiol** 1982 May;15(3):187–95

Effects of early environmental enrichment upon open-field behavior and timidity in the domestic chick. Jones RB. **Dev Psychobiol** 1982 Mar;15(2):105–11

Behavioral correlates of physical and neuromotor maturity in adolescents from different environments. Waber DP, et al. **Dev Psychobiol** 1981 Dec;14(6):513–22

Effect of age and enrichment on certain brain dimensions in Brattleboro rats deficient in vasopressin. Greer ER, et al. **Exp Neurol** 1982 Jan;75(1):11–22

A field study of the socio-ecology of the Goeldi's monkey (Callimico goeldii) in northern Bolivia. Pook AG, et al. **Folia Primatol (Basel)** 1981;35(4):288–312

A theory of schizophrenia: role of environment. DeFeudis FV, et al. **Gen Pharmacol** 1982;13(2):95–8 (49 ref.)

Aged deaths: the nursing home and community differential: 1976. McConnel CE, et al. **Gerontologist** 1982 Jun; 22(3):318–23

Applications of social support theory to health education: implications for work with the elderly. Minkler M. **Health Educ Q** 1981 Summer;8(2):147–65

The influence of females on the initiation of female-to-male sex change in a coral reef fish. Shapiro DY, et al. **Horm Behav** 1982 Mar;16(1):66–75

Biological and social correlates of blood pressure among Japanese men in Hawaii. Reed D, et al. **Hypertension** 1982 May-Jun;4(3):406–14

Arousal in alcoholics and social drinkers progressing through a drinking sequence. Higgins RL, et al. **Int J Addict** 1981 Oct;16(7):1223–31

The effects of community structure on during-treatment outcomes of methadone maintenance programs. Singh BK. **Int J Addict** 1981 Oct;16(7):1183–96

Social and psychological factors associated with length of stay on an inpatient drug dependency treatment unit. Ward ES, et al. **Int J Addict** 1981 Oct;16(7):1281–8

Psychosocial factors in later life depression. Ayuso-Gutiérrez JL, et al. **Int J Soc Psychiatry** 1982 Summer;28(2):137–40

Regulation of emotional expression in infants from two contrasting caretaking environments. Gaensbauer TJ. **J Am Acad Child Psychiatry** 1982 Mar;21(2):163–70

The relevance of ethology to interpersonal psychodynamics and to wider social issues. Bacciagaluppi M, et al. **J Am Acad Psychoanal** 1982 Jan;10(1):85–111

Social-psychological factors in the dietary quality of married and single elderly. Schafer RB, et al. **J Am Diet Assoc** 1982 Jul;81(1):30–4

An ecobehavioral examination of a simple strategy for increasing mealtime language in residential facilities. VanBiervliet A, et al. **J Appl Behav Anal** 1981 Fall; 14(3):295–305

The health-related functions of social support. Schaefer C, et al. **J Behav Med** 1981 Dec;4(4):381–406

Social factors related to rhesus isoimmunization. Barron SL, et al. **J Biosoc Sci** 1982 Jan;14(1):53–8

Social and environmental factors as criteria for success in artificial insemination by donor (AID). Ledward RS, et al. **J Biosoc Sci** 1982 Jul;14(3):263–75

Psychosocial aspects of the sudden infant death syndrome ('cot death'). Bluglass K. **J Child Psychol Psychiatry** 1981 Oct;22(4):411–21

The interaction of heredity and childhood environment: some adoption studies. Bohman M. **J Child Psychol Psychiatry** 1981 Apr;22(2):195–200

Research note: rating the home environment of school-age children; a comparison with general cognitive index and school progress. Parkinson CE, et al. **J Child Psychol Psychiatry** 1982 Jul;23(3):329–33

The characteristics of situationally and pervasively hyperactive children: implications for syndrome definition. Schachar R, et al. **J Child Psychol Psychiatry** 1981 Oct; 22(4):375–92

Changes in IQ, environmental and individual factors: a follow-up study of educable mentally retarded children. Svendsen D. **J Child Psychol Psychiatry** 1982 Jan; 23(1):69–74

Psychobiosocial 'Maps,' a useful tool in milieu therapy and psychiatric education. Molina JA. **J Clin Psychiatry** 1982 May;43(5):182–6

Factor structure of the Family Environment Scale: effects of social desirability. Fowler PC. **J Clin Psychol** 1982 Apr; 38(2):285–92

Effects of locus of control on perceived hospital environment. Marone JG, et al. **J Clin Psychol** 1982 Jul; 38(3):555–61

Behavioral effects of early rearing conditions and neonatal lesions of the visual cortex in kittens. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Dec;95(6):848–62

The ontogeny of feeding in rats: V. Influence of texture, home odor, and sibling presence on ingestive behavior. Johanson IB, et al. **J Comp Physiol Psychol** 1981 Dec; 95(6):837–47

Environmental constraints on motor abilities used in grooming, swimming, and eating by decorticate rats. Whishaw IQ, et al. **J Comp Physiol Psychol** 1981 Oct; 95(5):792–804

Social stimulation of reproductive development in male deer mice housed on a short-day photoperiod. Whitsett JM, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):416–22

Early brain lesions: ontogenetic-environmental considerations. Chelune GJ, et al. **J Consult Clin Psychol** 1981 Dec;49(6):777–90

Development of alcohol-related expectancies in adolescents: separating pharmacological from social-learning influences. Christiansen BA, et al. **J Consult Clin Psychol** 1982 Jun;50(3):336–44

Social support and parental adjustment to pediatric cancer. Morrow GR, et al. **J Consult Clin Psychol** 1981 Oct; 49(5):763–5

Construal of complex assertion situations: a multidimensional analysis. Rudy TE, et al. **J Consult Clin Psychol** 1982 Feb; 50(1):125–37

Psychophysiological characteristics and school performance of children in open and traditional classrooms. Koester LS, et al. **J Educ Psychol** 1982 Apr;74(2):254–63

Effects of dense housing on the growth of reproductive organs, plasma testosterone levels and fertility of male mice. Jean-Faucher C, et al. **J Endocrinol** 1981 Sep;90(3):397–402

Adrenocortical responses and changes during the oestrous cycle in mice: effects of male presence, male urine and housing conditions. Nichols DJ, et al. **J Endocrinol** 1981 Nov;91(2):263–9

An observation of the infant's response to strangers: a test for ecological validity. Ferrari M. **J Genet Psychol** 1981 Sep;139(First Half):157–8

The isolation of the community elderly from the informal social structure: myth or reality? Levine S. **J Geriatr Psychiatry** 1980;13(1):49–51

The isolation of the community elderly from the informal social structure: myth or reality? Silverstone B, et al. **J Geriatr Psychiatry** 1980;13(1):27–47

An ecological model of mental health among small-town rural elderly. Windley PG, et al. **J Gerontol** 1982 Mar; 37(2):235–42

The estimation and interpretation of modifier effects. Cleary PD, et al. **J Health Soc Behav** 1982 Jun;23(2):159–69

On O'Brien's 'Effective social environment and hemodialysis adaptation: a panel analysis'. Kutner NG. **J Health Soc Behav** 1981 Sep;22(3):317–21

Network structure and reactions to primary deviance of mental patients. Perrucci R, et al. **J Health Soc Behav** 1982 Mar;23(1):2–17

Shoring up the 'buffer' of social support. Schaeffer C. **J Health Soc Behav** 1982 Mar;23(1):96–101

Conceptual, methodological, and theoretical problems in studying social support as a buffer against life stress. Thoits PA. **J Health Soc Behav** 1982 Jun;23(2):145–59

The child's home environment for lesbian vs. heterosexual mothers: a neglected area of research. Miller JA, et al. **J Homosex** 1981 Fall;7(1):49–56

The newborn special care nursery as a setting for behavioral research. Brody EB. **J Nerv Ment Dis** 1982 Mar;170(3):129

Environmental analysis of neonatal intensive care. Jones CL. **J Nerv Ment Dis** 1982 Mar;170(3):130–42

Behavioral and environmental characteristics of treated and untreated enuretic children and matched nonenuretic controls. Couchells SM, et al. **J Pediatr** 1981 Nov; 99(5):812–6

An overview of a multifactor-system theory of personality and individual differences: III. Life span development and the heredity-environment issue. Powell A, et al. **J Pers Soc Psychol** 1981 Dec;41(6):1161–73

Social support and the risk of maternal rejection by adolescent mothers. Colletta ND. **J Psychol** 1981 Nov; 109(Second Half):191–7

Psychosocial factors and blood pressure in children. Insel PM, et al. **J Psychosom Res** 1981;25(6):505–11

Acceleration and delay of sexual maturation in female house mice previously selected for early and late first vaginal oestrus. Drickamer LC. **J Reprod Fertil** 1981 Nov; 63(2):325–9

Impact of socio-sexual conditions on the epididymis and fertility in the male mouse. Rastogi RK, et al. **J Reprod Fertil** 1981 Nov;63(2):331–4

Investigation of the Bruce effect in the Mongolian gerbil (Meriones unguiculatus). Rohrbach C. **J Reprod Fertil** 1982 Jul;65(2):411–7

Observations of drinking in natural settings: Vancouver beer parlors and cocktail lounges. Storm T, et al. **J Stud Alcohol** 1981 Nov;42(11):972–97

Mental Health report: the environmental level/community skills profile system. Nichols P. **J Tenn Med Assoc** 1981 Mar;74(3):201–2

Perinatal precursors of home stimulation in families of sick newborns. Pascoe JM, et al. **JDBP** 1982 Mar;3(1):22–4

Work environment, type A behavior, and coronary heart disease risk factors. Chesney MA, et al. **JOM** 1981 Aug; 23(8):551–5

Biobehavioral approaches to dementia. Eisdorfer C. **Mt Sinai J Med (NY)** 1981 Nov-Dec;48(6):500–6

Social research on aging and the aged: where are we now? Shanas E. **Mt Sinai J Med (NY)** 1981 Nov-Dec;48(6):552–6

The PRQ—a social support measure. Brandt PA, et al. **Nurs Res** 1981 Sep–Oct;30(5):277–80

The development of an instrument to measure social support. Norbeck JS, et al. **Nurs Res** 1981 Sep–Oct;30(5):264–9

Failure to thrive. Goldbloom RB. **Pediatr Clin North Am** 1982 Feb;29(1):151–66

Social context of child development. Eisenberg L. **Pediatrics** 1981 Nov;68(5):705–12

Test settings and the sensorimotor performance of infants with Down's syndrome. Dunst CJ. **Percept Mot Skills** 1981 Oct;53(2):575–8

Visual sampling of environments: a methodological note. Fenton DM. **Percept Mot Skills** 1981 Dec;53(3):978

Performance on the motor scale of the McCarthy Scales of Children's Abilities as related to home environment and neonatal reflexes. La Veck B, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1265–6

Infants' mental and motor development: effects of home environment, maternal attitudes, marital adjustment, and socioeconomic status. Poresky RH, et al. **Percept Mot Skills** 1982 Jun;54(3):695–702

Effect of early and later colony housing on oral ingestion of morphine in rats. Alexander BK, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):571–6

Effects of pentobarbital and cocaine in rats expecting pentobarbital. Hinson RE, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):661–6

Naloxone suppresses insulin-induced food intake in novel and familiar environments, but does not affect hypoglycemia. Rowland N, et al. **Pharmacol Biochem Behav** 1982 Jun; 16(6):1001–3

Effects of different housing conditions on intraspecies fighting between male Long-Evans hooded rats. Barr GA. **Physiol Behav** 1981 Dec;27(6):1041–4

Cross-species rearing influences urine preferences in wild guinea pigs. Beauchamp GK, et al. **Physiol Behav** 1981 Jun;26(6):1121–4

Taming in the wild Norway rat following lesions in the basal ganglia. Blanchard DC, et al. **Physiol Behav** 1981 Dec; 27(6):995–1000

Environment influence on development, behavior, and endocrine morphology of gerbils. Clark MM, et al. **Physiol Behav** 1981 Nov;27(5):761–5

Influence of environmental rearing history and postsurgical environmental change on the septal rage syndrome in mice. Goodlett CR, et al. **Physiol Behav** 1982 Jun;28(6):1077–81

Environmental enrichment to alleviate maze performance deficits in rats with microcephaly induced by x-irradiation. Shibagaki M, et al. **Physiol Behav** 1981 Nov;27(5):797–802

Genotypic influences on infanticide in mice: environmental, situational and experiential determinants. Svare B, et al. **Physiol Behav** 1982 Jan;28(1):171–5

Influence of feeding situation on stomach ulcers and organ weights in rats in the activity–stress ulcer paradigm. Tsuda A, et al. **Physiol Behav** 1982 Feb;28(2):349–52

The Minnesota study of twins reared apart: project description and sample results in the developmental domain. Bouchard TJ Jr, et al. **Prog Clin Biol Res** 1981; 69 Pt B:227–33

MZ twins reared apart: preliminary findings of psychiatric disturbances and traits. Eckert ED, et al. **Prog Clin Biol Res** 1981;69 Pt B:179–88

Finnish twins reared apart: preliminary characterization of rearing environment. Langinvainio H, et al. **Prog Clin Biol Res** 1981;69 Pt B:189–98

Nutrition, social environment and cognitive performance of disadvantaged Colombian children at three years (1). Mora JO, et al. **Prog Clin Biol Res** 1981;77:403–20

In search of the missing environmental variance in cognitive ability. Vandenberg SG, et al. **Prog Clin Biol Res** 1981;69 Pt B:9–16

An observational analysis of the behavioural effects of beta-phenylethylamine in isolated and grouped mice. Dourish CT. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):143–58

Decision to admit in an inner-city psychiatric emergency room: beyond diagnosis-the psychosocial factors. Friedman S, et al. **Psychiatr Q** 1981 Winter;53(4):259–74

Ward environment and disturbed behaviour. Bouras N, et al. **Psychol Med** 1982 May;12(2):309–19

Genotype–environment interaction in antisocial behaviour. Cadoret RJ. **Psychol Med** 1982 May;12(2):235–9

Social factors associated with depression: a retrospective community study. Costello CG. **Psychol Med** 1982 May; 12(2):329–39

The role of social factors in affective disorder: an assessment of the vulnerability model of Brown and this colleagues. Solomon Z, et al. **Psychol Med** 1982 Feb;12(1):123–30

Social experiences in childhood and adult psychiatric morbidity: a multiple regression analysis. Tennant C, et al. **Psychol Med** 1982 May;12(2):321–7

Private self-consciousness, public self-consciousness, and trait anxiety. Dickstein LS, et al. **Psychol Rep** 1981 Apr; 48(2):518

The brain and behavior: casting light into the 'black-box'. Gerner M. **Psychol Rep** 1981 Oct;49(2):511–8

Factor structure of the Henderson Environmental Learning Process Scale. Silverstein AB, et al. **Psychol Rep** 1982 Jun; 50(3 Pt 1):856–8

Influence of male social contacts, exercise and all-female living conditions on the menstrual cycle. Quadagno DM, et al. **Psychoneuroendocrinology** 1981;6(3):239–44

Psycho-social factors and blood pressure during pregnancy and delivery. Rofé Y, et al. **Psychophysiology** 1982 Jan; 19(1):7–12

The biopsychosocial approach: clinical examples from a consultation-liaison service. Part 1. Edelstein P, et al. **Psychosomatics** 1982 Jan;23(1):15–9

Hospital unit stressors that nurses: primary task vs social factors. Mohl PC, et al. **Psychosomatics** 1982 Apr; 23(4):366–74

The biopsychosocial approach: clinical examples from a consultation-liaison service. Part 2. Ross WD, et al. **Psychosomatics** 1982 Feb;23(2):141–51

Standard risk factors for lung cancer, cardiac infarct, apoplexy, diabetes mellitus and, their changes in psychosocial context. Grossarth-Maticek R, et al. **Psychother Psychosom** 1982;37(1):13–21

High density housing: the Wirral's experience. Darley CD. **R Soc Health J** 1981 Dec;101(6):229–33

Caught in the mainstream: the severely and profoundly retarded learner and the least restrictive environment. Icabone DG, et al. **Rehabil Lit** 1982 Mar–Apr; 43(3–4):66–71

Relationship between working environment, self-concept, real-ideal self discrepancy, and functionality in physical education teachers. Holmen MG, et al. **Res Q Exerc Sport** 1981 Oct;52(3):311–23

Smoking among Norwegian schoolchildren 1975–1980. II. The influence of the social environment. Aarø LE, et al. **Scand J Psychol** 1981;22(4):297–309

The structure of readjustment of the disabled: an additional perspective on rehabilitation. Ben-Sira Z. **Soc Sci Med [a]** 1981 Sep;15(5):565–80

The social work home visit in a health care setting. Cohen SN, et al. **Soc Work Health Care** 1981 Summer;6(4):55–67

The effects of aggregation on the lethality of phencyclidine in mice. Landauer MR, et al. **Toxicol Lett** 1982 Jul; 12(2–3):171–6

[Correlation between the health condition and social situation of old population (author's transl)] Sipr K. **Cas Lek Cesk** 1982 Apr 2;121(13):391–4 (Eng. Abstr.) **(Cze)**

[Health status and problems of living conditions in old age] Zaremba V. **Cesk Zdrav** 1981 Nov;29(11):452–8 (Eng. Abstr.) **(Cze)**

[Social aspects of internal medicine] Pacovský V. **Vnitr Lek** 1982 May;28(5):424–8 (Eng. Abstr.) **(Cze)**

[The home milieu and health] Christensen V. **Ugeskr Laeger** 1981 Jun 22;143(26):1682–4 **(Dan)**

[Elderly patients emergency admission to a medical department in the Municipality of Copenhagen. IV. A social medical prognosis after hospitalization] Hendriksen C, et al. **Ugeskr Laeger** 1981 Nov 16;143(47):3152–4 (Eng. Abstr.) **(Dan)**

[Social conditions prior to and 2 months after hospitalization in an internal medical department] Hendriksen C, et al. **Ugeskr Laeger** 1981 Nov 16;143(47):3149–52 (Eng. Abstr.) **(Dan)**

[Theoretical considerations on the completion of the role concept in the therapeutic milieu in the nursing home for the somatically ill] ten Have H. **Gerontologie** 1981 Nov; 12(4):218–23 (Eng. Abstr.) **(Dut)**

[The bio-psycho-social tridimensional constructivism of Socolas' School in the perspective of contemporary psychiatry (author's transl)] Branzei PP, et al. **Acta Psychiatr Belg** 1981 Sep–Oct;81(5):425–36 (Eng. Abstr.) **(Fre)**

[Effect of environmental stimuli and reinforcement schedules on the exploratory and play behavior in the child] Pomerleau A, et al. **Can J Psychol** 1982 Mar;36(1):42–56 (Eng. Abstr.) **(Fre)**

[Definition of environmental factors by reference to the genetic factor: their contribution to family resemblance] Debray Q, et al. **J Genet Hum** 1981 Dec;29(5 Suppl):505–16 **(Fre)**

[Effects of post-weaning rearing conditions on learning performance in 'dwarf' mice (author's transl)] Bouchon R, et al. **Physiol Behav** 1982 Jun;28(6):971–8 (Eng. Abstr.) **(Fre)**

[The importance of social factors in the treatment of aged persons] Delachaux A. **Ther Umsch** 1981 Jan;38(1):71–5 (Eng. Abstr.) **(Fre)**

[The psychotic child at home, in an institution and in the clinic. Therapeutic aspects] Lutz J. **Acta Paedopsychiatr (Basel)** 1982 Jun;48(2–3):99–110 (Eng. Abstr.) **(Ger)**

[A situational psychological look at epileptic seizures] Date T. **Folia Psychiatr Neurol Jpn** 1982;36(1):1–16 (Eng. Abstr.) **(Ger)**

[Does the size of a community affect psychiatric disease?] Faust V, et al. **Fortschr Med** 1981 Nov 19;99(43):1773–6 **(Ger)**

[The immunity of the child and his social environment. Part 1: immunization as a part of social pediatrics] Stickl H. **Fortschr Med** 1981 Nov 12;99(42):1731–4 **(Ger)**

[Skating on thin ice] Girstenbrey W. **Med Welt** 1981 Aug 28;32(35):58–60 **(Ger)**

[The psychosocial stress situations] Stumpfe KD. **Med Welt** 1981 Dec 11;32(50):1895–7 **(Ger)**

[The environment of manic patients (author's transl)] Meyer JE. **Nervenarzt** 1982 Mar;53(3):127–31 **(Ger)**

[The interaction of biological and social factors on the effect of treatment in cases of phenylketonuria (author's transl)] Wässer S, et al. **Padiatr Padol** 1981;16(4):417–26 (Eng. Abstr.) **(Ger)**

[The 'protective environment' and the therapeutic function of psychoanalysis] Modell AH. **Psyche (Stuttg)** 1981 Sep; 35(9):788–808 **(Ger)**

[Family therapy. From psychoanalysis to psychosocial action] Pohlen M, et al. **Psyche (Stuttg)** 1982 May; 36(5):416–52 (Eng. Abstr.) **(Ger)**

[Sex differences in the institutional careers of schizophrenics. A contribution to the socio-epidemiology of mental diseases (author's transl)] Angermeyer MC, et al. **Psychiatr Prax** 1982 Jan;9(1):27–33 (Eng. Abstr.) **(Ger)**

[Rehabilitation through social communities. Continuing the contribution to Die Rehabilitation 15 (1976) 207–216 (author's transl)] Müller-Westing H. **Rehabilitation (Stuttg)** 1981 Aug;20(3):101–6 (Eng. Abstr.) **(Ger)**

[Influence of the environment on the development of personality in a socialist society] Kukura J, et al. **Sante Publique (Bucur)** 1981;24(2–3):229–38 **(Ger)**

[The social infrastructure of patients with urinary calculi (author's transl)] Zechner O, et al. **Wien Klin Wochenschr** 1981 Oct 30;93(20):635–8 (Eng. Abstr.) **(Ger)**

[Facilities for the aged from an environment psychology viewpoint. An analysis of relationship between ratings of social climate and behavior of home residents] Closs C, et al. **Z Gerontol** 1981 Nov–Dec;14(6):430–43 (Eng. Abstr.) **(Ger)**

[Working conditions in 22 Hamburg homes for the aged from the viewpoint of the personnel] Kempe P, et al. **Z Gerontol** 1981 Nov–Dec;14(6):444–58 (Eng. Abstr.) **(Ger)**

[Behavior disorders in school children in connection with child rearing style, ecological and social structural variables] Perrez M, et al. **Z Klin Psychol Psychother** 1981; 29(2):141–57 **(Ger)**

[Psychosocial stress and the occurrence of cancer – animal experiment results and problems] Bammer K. **Z Psychosom Med Psychoanal** 1981 Jul–Sep;27(3):253–62 (Eng. Abstr.) **(Ger)**

[Social aspects of ageing and old age in socialist society (author's transl)] Runge I. **ZFA (Dresden)** 1981;36(6):495–8 (Eng. Abstr.) **(Ger)**

[A study of the death rate in Japan based on cause and social environment. Application of multivariate statistical analysis (author's transl)] Iwamoto M, et al. **Nippon Eiseigaku Zasshi** 1981 Oct;36(4):678–86 (Eng. Abstr.) **(Jpn)**

[Social problems of women with incurable malignant diseases in Bratislava (author's transl)] Zajacová E, et al. **Bratisl Lek Listy** 1981 Oct;76(4):456–63 (Eng. Abstr.) **(Slo)**

SOCIAL FACILITATION

Social influences on alcohol consumption by black and white males. Watson DW, et al. **Addict Behav** 1982;7(1):87–91

Contribution of social factors to opiate-induced activation in the mouse. Katz RJ, et al. **Neuropharmacology** 1981 Apr; 20(4):381–3

Period lengthening and disruption of socially facilitated circadian activity rhythms of goldfish by lithium. Kavaliers M. **Physiol Behav** 1981 Oct;27(4):625–8

[Methods and measures in the rehabilitation and social integration of rheumatic patients in old age] Eberl H, et al. **Z Gesamte Hyg** 1981 Dec;27(12):914–7 (Eng. Abstr.) **(Ger)**

SOCIAL IDENTIFICATION see under **SOCIAL BEHAVIOR**

SOCIAL INSURANCE see **SOCIAL SECURITY**

SOCIAL INTERACTION see **INTERPERSONAL RELATIONS**

SOCIAL ISOLATION

Some further comments on empathy. Medini G. **Acta Paedopsychiatr (Basel)** 1981 Oct;47(3):143–50

Effect of nitrazepam and its combined administration with fenfluramine and cyproheptadine on explorative behaviour, muscle tone and coordination in normal mice and in mice with isolation syndrome. Petkov VV. **Acta Physiol Pharmacol Bulg** 1981;6(3):66–74

The loner: an exploration of a suicidal subtype in adolescence. Peck ML. **Adolesc Psychiatry** 1981;9:461–6

Social support and mortality in an elderly community population. Blazer DG. **Am J Epidemiol** 1982 May; 115(5):684–94

Preventive activities and services for the well elderly. Kirchman MM, et al. **Am J Occup Ther** 1982 Apr; 36(4):236–42

Social and cultural disincentives to independent living. Zola IK. **Arch Phys Med Rehabil** 1982 Aug;63(8):394–7

Different reaction patterns in individually and socially reared rats during exposures to novel environments. Gentsch C, et al. **Behav Brain Res** 1982 Jan;4(1):45–54

Abnormal behavior patterns in rhesus monkeys: symptoms of mental disease. Goosen C. **Biol Psychiatry** 1981 Aug; 16(8):697–716

Social relationships, adversity and neurosis: an analysis of prospective observations. Henderson S. **Br J Psychiatry** 1981 May;138:391–8

Medical and social factors associated with psychological distress in a sample of community aged. Luke E, et al. **Can J Psychiatry** 1981 Jun;26(4):244–50

Social isolation experienced by women residents in a new surburban community. Stewart MJ. **Can J Public Health** 1982 Jan–Feb;73(1):52–6

Effect of adrenalectomy on the development of isolation-induced hypertension in rats. Gardiner SM, et al. **Clin Sci** 1981 Nov;61(5):511–9

Variations in plasma and adrenal catecholamines and related enzymes in isolated-aggressive mice. Tizabi Y, et al. **Commun Psychopharmacol** 1980;4(5):433–9

Effects of early social experience on activity and object investigation in the ferret. Chivers SM, et al. **Dev Psychobiol** 1982 Jan;15(1):75–80

Cortical depth changes in enriched and isolated mice. Cummins RA, et al. **Dev Psychobiol** 1982 May;15(3):187–95

Early social deprivation and the ontogeny of unrestricted social behavior in the laboratory rat. Day HD, et al. **Dev Psychobiol** 1982 Jan;15(1):47–59

Effects of postweaning rearing condition on recovery of copulatory behavior from lesions of the medial preoptic area in rats. Meisel RL. **Dev Psychobiol** 1982 Jul; 15(4):331–8

Increased tyrosine hydroxylase activity in frontal cortex of rats after long-term isolation stress. Toru M. **Encephale** 1982;8(2):315–7

The persistence of hyperresponsiveness to apomorphine in rats following REM sleep deprivation and the influence of housing conditions. Dallmeier Zelger K, et al. **Eur J Pharmacol** 1982 May 7;80(1):99–104

Effect of chronic lithium treatment on isolation-induced behavioral and biochemical effects in mice. Frances H, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):337–41

Hyperactivity induced in rats by long-term isolation: further studies on a new animal model for the detection of antidepressants. Garzón J, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):287–94

A program for treating isolated elderly patients living in a housing project. Brown R, et al. **Hosp Community Psychiatry** 1982 Feb;33(2):147–50

Role of contact stimuli in estrous cycle irregularities in unisexually grouped mice. Gangrade BK, et al. **Indian J Exp Biol** 1981 Jul;19(7):645–6

Loneliness and alcoholism: a study of three groups of male

alcoholics. Allen HA, et al. **Int J Addict** 1981 Oct; 16(7):1255–8

Restricted environmental stimulation and the enhancement of hypnotizability: pain, EEG alpha, skin conductance and temperature responses. Barabasz AF. **Int J Clin Exp Hypn** 1982 Apr;30(2):147–66

The complexities of health education in leprosy. Dharmalingam T, et al. **Int J Health Educ** 1982; 24(3):176–82

Seclusion of psychiatric inpatients: a general hospital perspective. Ramchandani D, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):225–31

Seclusion of psychiatric inpatients: a general hospital perspective. Ramchandani D, et al. **Int J Soc Psychiatry** 1981 Winter;27(4):309–15

Loneliness as a function of selected personality variables. Hojat M. **J Clin Psychol** 1982 Jan;38(1):137–41

Intrapsychic isolation in the elderly. Berezin MA. **J Geriatr Psychiatry** 1980;13(1):5–18

Isolation in the aged: individual dynamics, community and family involvement. Dibner AS. **J Geriatr Psychiatry** 1980; 13(1):3–4

A method for reducing anxiety in the home-bound elderly. Dibner AS. **J Geriatr Psychiatry** 1981;14(1):111–3

The isolation of the community elderly from the informal social structure: myth or reality? Levine S. **J Geriatr Psychiatry** 1980;13(1):49–51

Intrapsychic isolation in the elderly. Myerson PG. **J Geriatr Psychiatry** 1980;13(1):19–25

The isolation of the community elderly from the informal social structure: myth or reality? Silverstone B, et al. **J Geriatr Psychiatry** 1980;13(1):27–47

Loneliness and social skill deficits. Jones WH, et al. **J Pers Soc Psychol** 1982 Apr;42(4):682–9

Influences of hypothermia, cold, and isolation stress on the severity of coronary artery ligation-induced arrhythmias in rats. Harris N, et al. **J Pharmacol Methods** 1982 Mar; 7(2):161–71

Construct validity of a maternal social support scaled [letter] Pascoe JM, et al. **JDBP** 1982 Jun;3(2):122

Accelerated acquisition of ethanol tolerance in isolated mice. Yanai J, et al. **Neuropsychobiology** 1982;8(3):135–9

Psychomotor stimulants, social deprivation and play in juvenile rats. Beatty WW, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):417–22

Cocaine increases isolation-induced fighting in mice. Hadfield MG, et al. **Pharmacol Biochem Behav** 1982 Feb; 16(2):359–60

Isolation rearing decreases opiate receptor binding in rat brain. Schenk S, et al. **Pharmacol Biochem Behav** 1982 May; 16(5):841–2

Brain benzodiazepine receptor changes in the isolated aggressive mouse. Essman EJ, et al. **Pharmacol Res Commun** 1981 Jul;13(7):665–71

Taste neophobia in individually and socially reared male rats. Gentsch C, et al. **Physiol Behav** 1981 Aug;27(2):199–202

Facilitation of lordosis behavior in rats by social isolation: adrenal mediation. Gorzalka BB, et al. **Physiol Behav** 1981 Oct;27(4):603–7

Isolation potentiates the aggression-activating property of testosterone in female mice. Howard SM, et al. **Physiol Behav** 1981 Jun;26(6):971–2

Social and solitary drinking: effects on consumption and mood in male social drinkers. Lindman R. **Physiol Behav** 1982 Jun;28(6):1093–5

Hyperactivity and obesity: the interaction of social isolation and cafeteria feeding. Sahakian BJ, et al. **Physiol Behav** 1982 Jan;28(1):117–24

An observational analysis of the behavioural effects of beta-phenylethylamine in isolated and grouped mice. Dourish CT. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):143–58

Social skills intervention in the treatment of isolated or withdrawn children. Conger JC, et al. **Psychol Bull** 1981 Nov;90(3):478–95

Regional differences in obsessionality and obsessional neurosis. Scott A, et al. **Psychol Med** 1982 Feb;12(1):131–4

Loneliness in elderly persons: a preliminary study. Baum SK. **Psychol Rep** 1982 Jun;50(3 Pt 2):1317–8

UCLA Loneliness Scale and effects of stress. Schill T, et al. **Psychol Rep** 1981 Aug;49(1):257–8

[Prevention of problems of living alone in old age] Zaremba V. **Cesk Zdrav** 1981 Oct;29(10):408–15 (Eng. Abstr.) **(Cze)**

[Heart rates in male Wistar rats reared under different conditions of the weaning period and social housing (author's transl)] Nomura K, et al. **Nippon Seirigaku Zasshi** 1982;44(4):146–62 (Eng. Abstr.) **(Jpn)**

[Effect of limitation of individual experience during early ontogeny on probabilistic characteristics of 'open field' behavior in the rat] Petrov ES, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):347–9 **(Rus)**

[Effect of electroshock on intraspecific behavior of mice maintained in isolation] Poshivalov VP. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):756–62 (Eng. Abstr.) **(Rus)**

[The effect of psychological factors on the neuroendocrine system] Milin R, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):37–41 **(Scc)**

SOCIAL JUSTICE see under **HUMAN RIGHTS**

SOCIAL MEDICINE

Social experiments. Freeman HE, et al. **Milbank Mem Fund Q** 1981 Summer;59(3):340–73

'What is to be done? Burning questions of our movement'. Prins G. **Soc Sci Med [B]** 1981 Jul;15(3):175–83

[Trends in the contents of the 'Journal of Czechoslovak Health Care' from 1978 to 1981] Smolek A. **Cesk Zdrav** 1982 May;30(5):228–32 **(Cze)**

[Social pediatrics in Denmark today] Ibsen KK, et al. **Ugeskr Laeger** 1982 Jan 4;144(1):48–53 (Eng. Abstr.) **(Dan)**

[Social pediatric practice. Problems and working methods] Merrick J. **Ugeskr Laeger** 1981 Sep 14;143(38):2466–9 (Eng. Abstr.) **(Dan)**

[Social medicine, professional secrecy and humanism] Baruk H. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):205–11 **(Fre)**

[Social medicine, professional secrecy and humanism] Lortat-Jacob JL. **Bull Acad Natl Med (Paris)** 1981 Feb; 165(2):285 **(Fre)**

[Modern principles of public health] Huszar T. **Sante Publique (Bucur)** 1981;24(1):105–15 (Eng. Abstr.) **(Fre)**

[The 'hygienic examination' in the realm of state recognition procedures for health resorts] Bader RE. **Med Welt** 1981 Sep 25;32(39):1461–2 **(Ger)**

[The concept of disease within the framework of German social compulsory insurance (author's transl)] Faber FR. **Psychother Psychosom Med Psychol** 1981 Nov;31(6):179–82 (Eng. Abstr.) **(Ger)**

[Selected questions on the organization of medical and social care for senior citizens in East Germany] Lengwinat A. **Sante Publique (Bucur)** 1981;24(2–3):209–17 (Eng. Abstr.) **(Ger)**

[Use of mediators/multiplicators—a sketch] Lüthi R. **Soz Praventivmed** 1981 Oct;26(5):339–43 (Eng. Abstr.) **(Ger)**

[Some questions on the theory of health protection] Grohs N. **Z Gesamte Hyg** 1981 Oct;27(10):768–73 (Eng. Abstr.) **(Ger)**

[Health education in East Germany—a historical retrospective] Reis K. **Z Gesamte Hyg** 1982 Apr; 28(4):253–5 (Eng. Abstr.) **(Ger)**

[Regional cooperation and the role of European countries on the international cooperation for the prevention and rehabilitation of disabilities and handicaps—from the viewpoint of socialistic countries] Renker K. **Z Gesamte Hyg** 1982 May;28(5):332–5 (Eng. Abstr.) **(Ger)**

[Principles of socialist health protection and their implementation under existing national conditions] Renker K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):773–8 (Eng. Abstr.) **(Ger)**

[Some sex-specific problem under especially consideration of demographic and social-economic aspects (author's transl)] Brännström M, et al. **ZFA (Dresden)** 1981; 36(2):143–7 (Eng. Abstr.) **(Ger)**

[Social hygiene and health care. Significance for the family physician] Gundermann KO. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2221–6 **(Ger)**

[Social hygiene problems of medical student instruction] Dziubak ST, et al. **Gig Sanit** 1982;(1):31–3 **(Rus)**

[Social hygiene evaluation of the adaptation of adolescents with various motivations for learning] Meshkov VM. **Gig Sanit** 1982 Mar;(3):23–6 (Eng. Abstr.) **(Rus)**

[Social hygiene evaluation of students' use of free time] Riabova NV, et al. **Gig Sanit** 1982 Feb;(2):48–50 **(Rus)**

[Social medicine aspects of health protection for the population of Siberia and the Far East] Borodin IuI. **Sov Zdravookhr** 1981;(8):24–7 **(Rus)**

[Sociomedical aspects of population aging] Motynga IA. **Sov Zdravookhr** 1981;(9):29–31 **(Rus)**

[Social hygiene aspects in realizing a demographic policy] Ovcharov VK, et al. **Sov Zdravookhr** 1981;(10):11–5 **(Rus)**

[Social hygiene aspects of urbanization] Pogorelov IaD. **Sov Zdravookhr** 1981;(7):40–4 **(Rus)**

[The scientific and technical revolution and social hygiene problems of gerontology] Sachuk NN, et al. **Sov Zdravookhr** 1981;(8):28–31 **(Rus)**

[Current social hygiene problems of maternal and child welfare] Serdiukovskaia GN, et al. **Sov Zdravookhr** 1981; (8):21–4 **(Rus)**

[Health problems from the socioeconomic viewpoint] Tolokontsev NA. **Sov Zdravookhr** 1981;(7):12–4 **(Rus)**

[Social bases of medical ethics] Kolesnikov IS, et al. **Voen Med Zh** 1982 Mar;(3):11–7 **(Rus)**

[Social hygiene aspects of military work] Koshelev NF. **Voen Med Zh** 1982 Mar;(3):39–41 **(Rus)**

[Medicine and sociology] Vuković Z. **Srp Arh Celok Lek** 1980 Sep;108(9):949–59 (Eng. Abstr.) **(Scc)**

EDUCATION

[Practical teaching of social medicine in the 6th year of study during a time of curriculum reorganization] Nováková H. **Cesk Zdrav** 1982 Feb;30(2):69–72 (Eng. Abstr.) **(Cze)**

[The teaching of social medicine in the 3d year of study in general medicine according to the new study program] Skalská H, et al. **Cesk Zdrav** 1982 Apr;30(4):172–6 (Eng. Abstr.) **(Cze)**

[Integration of the teaching of social hygiene and public health organization with clinical departments] Miniaev VA, et al. **Sov Zdravookhr** 1982;(6):43–5 **(Rus)**

[Family social hygiene studies as 1 of the forms of student academic research work] Panachina MI, et al. **Sov Zdravookhr** 1982;(4):39–42 **(Rus)**

[Notes on the planning for teaching social pediatrics at the postgraduate level in Spain] Trujillo Armas R. **Rev Sanid Hig Publica (Madr)** 1979 Jan–Feb;53(1–2):91–109 (Eng. Abstr.) **(Spa)**

HISTORY

[The work of Alfred Grotjahn and his influence on the development of social medicine in Bohemia. II] Bílek V, et al. **Cesk Zdrav** 1982 May;30(5):201–11 **(Cze)**

[The work of Alfred Grotjahn and his influence on the development of social medicine in Bohemia. I.] Bílek V, et al. **Cesk Zdrav** 1982 Apr;30(4):145–56 **(Cze)**

[The role of social medicine in the history of the education and training of physicians at Charles University] Müller C, et al. **Cesk Zdrav** 1982 Jan;30(1):22–33 **(Cze)**

[Meinrad Schär and social and preventive medicine in Switzerland: an appreciation on his 60th birthday] **Soz Praventivmed** 1981 Sep;26(4):209–15 **(Ger, Fre)**

[The Viennese physician Ludwig Teleky (1872–1957) and his 'History of factory and mine hygiene' (author's transl)] Buess H. **Wien Med Wochenschr** 1981 Oct 15; 131(19):479–83 (Eng. Abstr.) **(Ger)**

['Soviet Medicine Week' in Berlin (28 November to 2 December 1932)] Karbe KH. **Z Gesamte Hyg** 1981 Oct; 27(10):784–8 (Eng. Abstr.) **(Ger)**

[History of hygiene. Continuity and changes of hygienic ideas from antiquity to the 19th century] Mani N. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2183–92 **(Ger)**

[Role of Kazan University scientists in the development of social medicine] Grigorian NA. **Sov Zdravookhr** 1981; (7):48–51 **(Rus)**

[State Institute of Social Hygiene of the People's Commissariat of Public Health of the RSFSR and its role in the development of the theory and organization of Soviet public health] Shishkin AP. **Sov Zdravookhr** 1982;(6):59–62 **(Rus)**

[Pioneers in the development of socio-medical ideas in Serbia] Dragić M. **Srp Arh Celok Lek** 1982 Nov; 109(11):1543–53 **(Scc)**

SOCIAL MOBILITY

The socialization effects of cultural role models in ontogenetic development and upward mobility. Emery OB, et al. **Child Psychiatry Hum Dev** 1981 Fall;12(1):3–13

Issues in the education of migrants and other mobile handicapped students. Sauer RA. **Except Child** 1982 Apr; 48(6):503–5

[The ascent into the bourgeoisie and its price. Charles Dickens as example] Jacoby E. **Psyche (Stuttg)** 1982 Jul; 36(7):609–29 (Eng. Abstr.) **(Ger)**

SOCIAL PERCEPTION

see related
STEREOTYPING

Drinking status and stigmatization. Kilty KM. **Am J Drug Alcohol Abuse** 1981;8(1):107–16

Judgments of EMR students toward their peers: effects of label and academic competence. Budoff M, et al. **Am J Ment Defic** 1982 Jan;86(4):367–71

The image of the nurse in motion pictures. Kalisch PA, et al. **Am J Nurs** 1982 Apr;82(4):605–11

The image of nurses in novels. Kalisch PA, et al. **Am J Nurs** 1982 Aug;82(8):1220–4

Psychological effects of cochlear implant: patient and 'index relative' perceptions. Wexler M, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr;91(2 Pt 3 Suppl 91):59–61

Let's take the bedpan out of the public's image of nursing. Grosser LR. **AORN J** 1981 Oct;34(4):589–94

Are you satisfied with your image as an OR nurse? Meeker MH. **AORN J** 1982 Jun;35(7):1250–2

An experimental investigation of elements involved in the anticipation of public speaking. Boucsein W, et al. **Arch Psychol (Frankf)** 1980;133(2):149–56

Social cognitive biases and deficits in aggressive boys. Dodge KA, et al. **Child Dev** 1982 Jun;53(3):620–35

Illicit drug use, peer attitudes, and perceptions of harmful effects among convicted cannabis offenders. Erickson PG. **Int J Addict** 1982 Jan;17(1):141–54

Young children's attitudes and perceptions of older adults. Burke JL. **Int J Aging Hum Dev** 1981–82;14(3):205–22

The modernization of old age in France: approaches through history. Stearns PN. **Int J Aging Hum Dev** 1981; 13(4):297–315

Perceptions of ward atmosphere on an oncology unit. Alexy WD. **Int J Psychiatry Med** 1981–82;11(4):331–40

Children's perceptions of marital discord and behavior problems of boys and girls. Emery RE, et al. **J Abnorm Child Psychol** 1982 Mar;10(1):11–24

Effects of locus of control on perceived hospital environment. Marone JG, et al. **J Clin Psychol** 1982 Jul; 38(3):555–61

Dimensions of construing in psychiatric patients. Murphy

AJ. **J Clin Psychol** 1981 Oct;37(4):728–32
Perception of social interactions in depressed psychiatric patients. Hoehn-Hyde D, et al. **J Consult Clin Psychol** 1982 Apr;50(2):209–12
Social behavior and social perception in learning-disabled children: a review with implications for social skills training. La Greca AM. **J Pediatr Psychol** 1981 Dec; 6(4):395–416
Physiological arousal and perceptions of a member of the opposite sex. Bailey RC, et al. **J Soc Psychol** 1981 Dec; 115(Second Half):271–6
Women's perceptions of their important dyadic relationships during pregnancy. Richardson P. **Matern Child Nurs J** 1981 Fall;10(3):159–74
The challengers, interactors and mainstreamers: second step education and nursing roles. Little M, et al. **Nurs Res** 1982 Jul-Aug;31(4):239–45
The Neonatal Perception Inventory: a review. Palisin H. **Nurs Res** 1981 Sep-Oct;30(5):285–9
Interactions of handicapped and nonhandicapped persons: perceived pleasantness and length of contact. Anderson RJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1316
Perception of an aggressive interaction as a function of the perceiver's aggression. Driscoll JM. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1123–34
The image of psychiatric nurses in motion pictures. Kalisch PA, et al. **Perspect Psychiatr Care** 1981 May-Aug; 19(3-4):116–29
The perception of drinking roles by recovering problem drinkers. McCartney J, et al. **Psychol Med** 1981 Nov; 11(4):747–54
The perception of different occupations within the medical profession. Furnham A, et al. **Soc Sci Med [E]** 1981 Nov; 15(4):289–300
An analysis of social perceptions of epilepsy: increasing rationalization as seen through the theories of Comte and Weber. Pasternak JL. **Soc Sci Med [E]** 1981 Aug; 15(3):223–9
Physician-nurse perceptions of styles of power usage. Singleton AF. **Soc Sci Med [E]** 1981 Aug;15(3):231–7
[Society and depression] Sivadon P. **Arch Belg Med Soc** 1981 Feb;39(2):76–86 **(Fre)**
[The role of aggression and sense in the regulation of interpersonal relations] Wendland KL. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(1):61–75 (Eng. Abstr.) **(Ger)**
[The processing of visual social information in social anxiety] Leichner R. **Z Exp Angew Psychol** 1982;29(2):290–314 (Eng. Abstr.) **(Ger)**
[Interpersonal perception and conformity tendencies in patients with ulcerative colitis] Künsebeck HW, et al. **Z Klin Psychol Psychother** 1981;29(3):255–62 **(Ger)**

SOCIAL PLANNING

Community development: an approach to health care of Indians [editorial] Bain HW. **Can Med Assoc J** 1982 Feb 1;126(3):223–4
The social consequences of free trade in health care: a public health response to orthodox economics. Roemer MI, et al. **Int J Health Serv** 1982;12(1):111–29
[Hygienic principles of the allocation and development of productive forces in different regions of the USSR] Cherepov EM, et al. **Gig Sanit** 1981 Jun;(6):12–5 **(Rus)**
[Aging and the developing nations of the Americas] Ehrlich SP Jr, et al. **Bol Of Sanit Panam** 1981 Dec;91(6):512–9 (Eng. Abstr.) **(Spa)**

SOCIAL POLICY see **PUBLIC POLICY**

SOCIAL PROBLEMS

see related
ALCOHOLISM
STUDENT DROPOUTS
SUBSTANCE DEPENDENCE

Cuban refugee health care: response of the American health care system to the unexpected arrival of 125,000 immigrants. Bienia RA, et al. **Am J Public Health** 1982 Jun;72(6):594–6
Access to generic drugs in the 1950s: the politics of a social problem. Facchinetti NJ, et al. **Am J Public Health** 1982 May;72(5):468–75
The prevalence of psychosocial problems. A study of 37,678 Sydney adults. Reynolds I, et al. **Aust Fam Physician** 1981 Sep;10(9):732, 734–8
Social consequences of childbearing during adolescence. McCarthy J. **Birth Defects** 1981;17(3):107–22
Social admission of elderly people to hospital. Kirk H, et al. **Dan Med Bull** 1982 Mar;29(3):138–40
Social problems of adolescent and adult epileptics in a developing country, as seen in Lagos, Nigeria. Danesi MA, et al. **Epilepsia** 1981 Dec;22(6):689–96
'Friendly persuasion': a social network analysis of sex differences in marijuana use. Wister AV, et al. **Int J Addict** 1982 Apr;17(3):523–41
Teenage experiences in a violent society. McLachlan P. **J Adolesc** 1981 Dec;4(4):285–94
The politics of dependency problems: labor market failure, youth and 'dependency problems' in the United Kingdom. Dorn N. **J Psychoactive Drugs** 1981 Jan-Mar;13(1):61–9
A communitarian ethical model for public health interventions: an alternative to individual behavior change strategies. Forster JL. **J Public Health Policy** 1982 Jun; 3(2):150–63
Problem behavior and developmental transition in adolescence. Jessor R. **J Sch Health** 1982 May; 52(5):295–300
Homeless women. Slavinsky AT, et al. **Nurs Outlook** 1982 Jun;30(6):358–62
The nature of alcohol problems: old concepts and new. Sobell MB. **Prog Neuropsychopharmacol** 1981;5(5-6):475–81 (35 ref.)
Alternative concerns for rehabilitation professionals. McMahon BT, et al. **Rehabil Lit** 1981 Sep-Oct; 42(9-10):276–8
Relation of social problems and habitual vulnerability to medical cases. Nyström S. **Scand J Soc Med** 1981;9(2):49–50
Comment on Sune Nyström. Relation of prevention of social problems to virtues and morality. Sundby P. **Scand J Soc Med** 1982;10(1):1–2
The use of valium as a form of social control. Koumjian K. **Soc Sci Med [E]** 1981 Aug;15(3):245–9
[The disease pattern in an acute medical department with special attention to the significance of psycho-social problems] Krusell LR, et al. **Ugeskr Laeger** 1982 Apr 5; 144(14):1049–52 (Eng. Abstr.) **(Dan)**
[The problems of older people] Fleischhacker J. **ZFA (Dresden)** 1981;36(6):543–7 **(Ger)**
[Medico-sanitary and social problems caused by natural disasters] Zamfir G. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):429–33 **(Rum)**
[Injuries, a medical and social problem] Romanenko AE. **Ortop Travmatol Protez** 1982 Apr;(4):1–4 **(Rus)**
[Some relations of mental hygiene and psychopharmacology (author's transl)] Molčan J, et al. **Cesk Psychiatr** 1981 Jun; 77(3):173–5 (Eng. Abstr.) **(Slo)**

SOCIAL PSYCHIATRY see **COMMUNITY PSYCHIATRY**

SOCIAL PSYCHOLOGY see **PSYCHOLOGY, SOCIAL**

SOCIAL REINFORCEMENT see **REINFORCEMENT, SOCIAL**

SOCIAL RESPONSIBILITY

Discrepant judgements of community adjustment of mentally retarded adults: the contribution of personal responsibility. Bartnik E, et al. **Am J Ment Defic** 1981 Nov;86(3):260–6
Medical responsibility and thermonuclear war. Cassel C, et al. **Ann Intern Med** 1982 Sep;97(3):426–32
Nursing models: a requisite for professional accountability. Chance KS. **ANS** 1982 Jan;4(2):57–65
Accountability in research: the relationship of scientific and humanistic values. Fry ST. **ANS** 1981 Oct;4(1):1–13
Law and psychiatry: a stormy marriage. Bromberg W. **Bull Am Acad Psychiatry Law** 1981;9(3):172–9
Conceptions of individual freedom and responsibility. Their impact on therapeutic practice. Orten JD. **Bull Menninger Clin** 1981 Nov;45(6):512–26
The legal rights of grandparents: a preliminary discussion. Wilson KB, et al. **Gerontologist** 1982 Feb;22(1):67–71
Voluntary health risks and public policy. 1. Taking risks, assessing responsibility. Dworkin G. **Hastings Cent Rep** 1981 Oct;11(5):26–31
Professionalism, accountability and peer review. Luke RD, et al. **Health Serv Res** 1982 Summer;17(2):113–23
Comments on dealing with 'irresponsible' patient advocates. Hilliard JT, et al. **Hosp Community Psychiatry** 1981 Nov; 32(11):803–4
Responsibility in nursing. Lanara VA. **Int Nurs Rev** 1982 Jan-Feb;29(1):7–10
Social validation and training of emergency fire safety skills for potential injury prevention and life saving. Jones RT, et al. **J Appl Behav Anal** 1981 Fall;14(3):249–60
The second public health revolution: a critical appraisal. Neubauer D, et al. **J Health Polit Policy Law** 1981 Summer; 6(2):205–28
Women's labor force activity and responsibilities for disabled dependents: a study of families with disabled children. Breslau N, et al. **J Health Soc Behav** 1982 Jun;23(2):169–83
The moral responsibility of the hospital. De George RT. **J Med Philos** 1982 Feb;7(1):87–100
Collective responsibility in health care. Downie RS. **J Med Philos** 1982 Feb;7(1):43–56
Collective responsibility and the practice of medicine. French PA. **J Med Philos** 1982 Feb;7(1):65–85
Nurses' collective responsibility and the strike weapon. Muyskens JL. **J Med Philos** 1982 Feb;7(1):101–12
Collective responsibility in health care. Newton LH. **J Med Philos** 1982 Feb;7(1):11–21
Three models of group choice. Ozar DT. **J Med Philos** 1982 Feb;7(1):23–34
Clarifying autonomy and accountability in nursing service: part I. Batey MV, et al. **J Nurs Adm** 1982 Sep;12(9):13–8
Managerial control versus professional autonomy: a paradox. Clifford JC. **J Nurs Adm** 1981 Sep;11(9):19–21
Australian slow reactors [editorial] **Med J Aust** 1981 Jul 11; 2(1):4
Responsibility and accountability, analyzed. Hull RT. **Nurs Outlook** 1981 Dec;29(12):707–12
Health is not a right. Rodgers JA. **Nurs Outlook** 1981 Oct; 29(10):590–1
The physician as citizen. Bates DV. **Pharos** 1981 Fall; 44(4):21–5
Fiske Fund Prize Dissertation 1980. Poised in equilibrium: doctors and their patients. Charon R. **RI Med J** 1982 Jan; 65(1):29–35
What is the obligation of the medical profession in the distribution of health care? Daniels N. **Soc Sci Med [F]** 1981 Dec;15F(4):129–33
[Basic social problems from the viewpoint of scientific advances in medical practice] Bouček K. **Cas Lek Cesk** 1982 May 28;121(21):641–3 **(Cze)**
[Responsibility in the prevention of accidents of the most exposed pedestrians: children and elderly persons] Michiels W, et al. **Soz Praventivmed** 1982 Feb;27(1):26–9 (Eng. Abstr.) **(Fre)**
[Various questions concerning the social status of student drivers as well as the scope of responsibility of the potential traffic participant and of the physician taking driver fitness tests] Lauschke HP. **Z Arztl Fortbild (Jena)** 1982 Feb 15; 76(4):125–9 **(Ger)**

SOCIAL SCIENCES

Dentistry and the behavioral/social sciences: an historical overview. Cohen LK. **J Behav Med** 1981 Sep;4(3):247–56 (0 ref.)
Family medicine as a social science. Hoffmaster B. **J Med Philos** 1981 Nov;6(4):387–410
Is medicine a social science? Martin M. **J Med Philos** 1981 Nov;6(4):345–59
Medicine as social science: the case of Freud on homosexuality. Ruse M. **J Med Philos** 1981 Nov; 6(4):361–86
Confronting complex public health problems: the development of interdisciplinary research. Holmes DR. **J Public Health Policy** 1981 Dec;2(4):361–81
Use of social science data for policy analysis and policy-making. Hanft RS. **Milbank Mem Fund Q** 1981 Fall; 59(4):596–603
Priorities in nurse education. Clough F. **R Soc Health J** 1981 Oct;101(5):196–9
Social science and medicine in Spain. Campos J, et al. **Soc Sci Med** 1982;16(5):499–503
A social scientific view on the development of pharmacy and therapeutics committees. Henriksen HH. **Soc Sci Med** 1982;16(6):753–7
Sweating at night: some ethical paradoxes confronting social psychological research. Wiesenthal DL. **Soc Sci Med [F]** 1981 Mar;15F(1):33–7
[The effect of science on policy for the elderly] Kronjee GJ. **Tijdschr Gerontol Geriatr** 1982 Feb;13(1):2–7 (Eng. Abstr.) **(Dut)**

EDUCATION

An hydraulic flow model of population. Learmonth AT, et al. **Geogr Med** 1981;11:41–50

HISTORY

Biopolitics: a preliminary history. Peterson SA, et al. **J Hist Behav Sci** 1979 Oct;15(4):333–9
The behavioral and social sciences. Simon HA. **Science** 1980 Jul 4;209(4452):72–8
[Psychoanalysis and the social sciences (1938)] Fenichel O. **Psyche (Stuttg)** 1981 Nov;35(11):1055–71 (Eng. Abstr.) **(Ger)**

METHODS

Methodological controversies between social and medical sciences. Niklas D. **Soc Sci Med** 1982;16(6):659–65
Natural science and medicine: social science and medicine: some methodological controversies. Strong PM, et al. **Soc Sci Med** 1982;16(6):643–57

TRENDS

The contribution of social science to international health training. Giovannini MJ, et al. **Soc Sci Med** 1982; 16(9):957–64

SOCIAL SECURITY

Changing work expectations: findings from the retirement history study. Goudy WJ. **Gerontologist** 1981 Dec; 21(6):644–9
Social Security and SSI benefits for the mentally disabled. Anderson JR. **Hosp Community Psychiatry** 1982 Apr; 33(4):295–8
Hospitals leaving Social Security system. **Hospitals** 1982 Jun 1;56(11):27
Social Security: should your hospital consider opting out? Buckalew JG, et al. **Hospitals** 1982 Sep 1;56(17):38–9
Women and social security: social policy adjusts to social change. Kahne H. **Int J Aging Hum Dev** 1981;13(3):195–208
Politics, social welfare policy, and the population problem in Latin America. Malloy JM, et al. **Int J Health Serv** 1982; 12(1):77–98
Evaluation of Social Security follow-up of some southwestern populations. Reyes M, et al. **JOM** 1982 Mar; 24(3):198–202
Promotion of subsidized savings in the Federal Republic of Germany. **Soc Secur Bull** 1981 Oct;44(10):39–40
Gifts to the trust funds. **Soc Secur Bull** 1982 Feb;45(2):34–5

Annual statistical supplement, 1980. **Soc Secur Bull** 1980; Suppl:1–244
Actuarial status of the old-age and survivors insurance and disability insurance trust funds. Ballantyne HC. **Soc Secur Bull** 1982 Jun;45(6):3–10
Effects of OASDI benefit increase, June 1981. Bondar J. **Soc Secur Bull** 1982 Feb;45(2):32–4
Family Social Security taxes compared with Federal income taxes, 1979. Bridges B Jr. **Soc Secur Bull** 1981 Dec; 44(12):12–8
International trends in disability program growth. Copeland LS. **Soc Secur Bull** 1981 Oct;44(10):25–36
Low-income aged: eligibility ad participation in SSI. Drazga L, et al. **Soc Secur Bull** 1982 May;45(5):28–35
Social Security benefits of female retired workers and two-worker couples. Lingg BA. **Soc Secur Bull** 1982 Feb; 45(2):3–24
Long-range projection of average benefits under OASDI. McKay SF. **Soc Secur Bull** 1982 Jan;45(1):15–20
Actual costs of the Social Security system over the years compared with 1935 estimates. Myers RJ. **Soc Secur Bull** 1982 Mar;45(3):13–5
Report of the National Commission on Unemployment Compensation. Price DN. **Soc Secur Bull** 1981 Oct; 44(10):37–9
Benefits for individual retired workers and couples now approaching retirement age. Reno V, et al. **Soc Secur Bull** 1982 Feb;45(2):25–31
Characteristics of newly awarded recipients of the Social Security regular minimum benefit. Schobel BD, et al. **Soc Secur Bull** 1982 Jun;45(6):11–9
A comparison of Social Security taxes and Federal income taxes, 1980–90. Schobel BD. **Soc Secur Bull** 1981 Dec; 44(12):19–20
Tax-wise: how to take the sting out of taxes. Blackman IL. **VM SAC** 1982 Jan;77(1):123–4
[Relations between forensic medicine and social security] Durier D. **Acta Med Leg Soc (Liege)** 1979;29(1):35–7 **(Fre)**
[Protection of social security data] Hauffe R. **Derm Beruf Umwelt** 1982;30(3):89 **(Ger)**
[The role of the medical expert in procedures of the retirement insurance and social security system] Ziegelmayer W. **Lebensversicherungsmedizin** 1982 Jun 14; 34(5):114–7 (Eng. Abstr.) **(Ger)**
[Social and medical aid provided to combatants in the Bialystock area] Kretowski J, et al. **Przegl Lek** 1981; 38(1):30–3 **(Pol)**
[Preventive medicine and Social Security] Vaquero Puerta JL. **Rev Sanid Hig Publica (Madr)** 1979 Jan–Feb; 53(1–2):111–50 (Eng. Abstr.) **(Spa)**

HISTORY

History of the provisions of the old-age, survivors, disability, and health insurance program. **Soc Secur Bull** 1980; Suppl:19–40
History of the provisions of the Supplemental Security Income program for the aged, blind, and disabled. **Soc Secur Bull** 1980;Suppl:43–6
[100 years of German social insurance] Hellbrügge T. **Fortschr Med** 1981 Dec 17;99(47–48):1963–5 **(Ger)**

LEGISLATION & JURISPRUDENCE

A role for Title XX in the aging network. Nelson G. **Gerontologist** 1982 Feb;22(1):18–25
Attendance allowances for the disabled. Where to draw the line. Brahams D. **Practitioner** 1981 Nov;225(1361):1537–8
The Belimon Report. **Soc Secur Bull** 1982 May;45(5):3–27
Old-age, survivors, disability, and health insurance program, December 31, 1980. **Soc Secur Bull** 1980;Suppl:5–18
SSI program, December 31, 1980. **Soc Secur Bull** 1980; Suppl:41–2
Omnibus Reconciliation Act of 1981: legislative history and summary of OASDI and Medicare provisions. Svahn JA. **Soc Secur Bull** 1981 Oct;44(10):3–24
Restoration of certain minimum benefits and other OASDI program changes: legislative history and summary of provisions. Svahn JA. **Soc Secur Bull** 1982 Mar;45(3):3–12
[Relations of the Lyons organization of legal medicine to the medical control of social security] Malot J. **Acta Med Leg Soc (Liege)** 1979;29(1):39–42 **(Fre)**
[Various legal questions posed by disability evaluation in federal social insurance covering risk: disability insurance, military insurance and compulsory accident insurance] Vaucher RF. **Z Unfallmed Berufskr** 1981;74(3–4):115–8 **(Fre)**
[Disability problems: current developments in social insurance legislation] Naef H. **Z Unfallmed Berufskr** 1981; 74(3–4):141–4 **(Ger)**

ORGANIZATION & ADMINISTRATION

Medical ramifications of the federal regulation of the Social Security Disability Insurance program: Social Security and medicine. Hadler NM. **Ann Intern Med** 1982 May; 96(5):665–9
Old-age pensions, social security and other schemes. Trier A. **Dan Med Bull** 1982 Mar;29(3):99–103
Economic forecasting: effect of errors on OASDI fund ratios. Bartlett DK 3d, et al. **Soc Secur Bull** 1982 Jan;45(1):9–14
Investment policies and procedures of the social security trust funds. Myers RJ. **Soc Secur Bull** 1982 Jan;45(1):3–8
[Coordination between the Social Security and Public Health institutions] **Bol Of Sanit Panam** 1982 Mar;92(3):261–6 **(Spa)**

SOCIAL SERVICE see **SOCIAL WORK**

SOCIAL SERVICE, PSYCHIATRIC see **SOCIAL WORK, PSYCHIATRIC**

SOCIAL VALUES

Value-orientations of delinquent boys and their effects on prevention and treatment of delinquency. Peretti PO. **Acta Paedopsychiatr (Basel)** 1981 Jun;47(2):109–16
Values and the psychotherapist. Will OA Jr. **Am J Psychoanal** 1981 Fall;41(3):203–12
Hospital strategic planning must be rooted in values and ethics. Peters JP, et al. **Hospitals** 1982 Jun 16;56(12):90–2, 95, 97–8
Predicting psychotherapy duration from therapists' sex, professional affiliation, democratic values, and community mental health ideology. Carpenter PJ, et al. **J Clin Psychol** 1982 Jan;38(1):90–1
Personality and values in family medicine residents. DiRenzo GJ. **J Fam Pract** 1981 Sep;13(3):443, 448–9
Value orientations in the intimate relationships of gay men. Peplau LA, et al. **J Homosex** 1981 Spring;6(3):1–19
Values and attitudes of medical students at an Australian University. Feather NT. **J Med Educ** 1981 Oct; 56(10):818–30
Selection of patients. Leenen HJ. **J Med Ethics** 1982 Mar; 8(1):33–6
Values and nursing ethics: a bibliography. Winkler L, et al. **J Psychiatr Nurs** 1981 Apr;19(4):19–20
Moral development of health care professionals begins with sensitizing: thirty-three sample encounters. Cowart ME, et al. **JNE** 1982 May;21(5):4–7
The therapeutic value of psychotherapists' values and therapy orientations. Vardy MM, et al. **Psychiatry** 1982 Aug; 45(3):226–33
[Present-day human values and cancer] Rochon M. **Union Med Can** 1981 Sep;110(9):821–2 **(Fre)**
['Health' and 'disease' in the system of social values of man] Ivaniushkin AIa. **Vestn Akad Med Nauk SSSR** 1982; (4):29–33 **(Rus)**

SOCIAL WELFARE

Some epidemiological aspects of maternal breast-feeding in a population entitled to social welfare services in Mexico. Magaña Cárdenas A, et al. **Bull Pan Am Health Organ** 1981;15(2):139–47
Social services for the elderly. Erdal I. **Dan Med Bull** 1982 Mar;29(3):124–7
The woman who died in a box. Commentary. Hopper K. **Hastings Cent Rep** 1982 Jun;12(3):18–9
The woman who died in a box. Commentary. Kittrie NN. **Hastings Cent Rep** 1982 Jun;12(3):19
Politics, social welfare policy, and the population problem in Latin America. Malloy JM, et al. **Int J Health Serv** 1982; 12(1):77–98
Women, infants, and children supplemental food program: its impact on infant nutrition. Mason M. **Nebr Med J** 1982 Mar;67(3):58–9
Social welfare expenditures, fiscal year 1979. Bixby AK. **Soc Secur Bull** 1981 Nov;44(11):3–12
[Political significance of social care for the control of social processes based on Marxism-Leninism] Riedel I, et al. **Z Gesamte Hyg** 1981;27(8):633–8 (Eng. Abstr.) **(Ger)**

HISTORY

Little grains of sand. Gibson R. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1647–50

LEGISLATION & JURISPRUDENCE

Elderly people's use of the social assistance act, with special reference to advice and guidance, inter alia, as an element in preventing the need for nursing. Reintoft H. **Dan Med Bull** 1982 Mar;29(3):121–3
[Agreement ordaining the regulation of the use of real estate belonging to the Administration of the Patrimony of Public Welfare] **Salud Publica Mex** 1981 Jul–Aug;23(4):420–1 **(Spa)**

SOCIAL WORK

see related
COMMUNITY HEALTH SERVICES
MRSA in a hospital social worker [letter] Octavio J, et al. **Am J Med** 1982 Feb;72(2):A61
Social roles of women in medicine, psychiatry, and social work. Rosenblatt A, et al. **Am J Orthopsychiatry** 1982 Jul; 52(3):430–9
Social work: effective or affective? **Br Med J [Clin Res]** 1982 Jul 17;285(6336):206–7
ABC of 1 to 7. Services for children: social services. Valman HB. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1103–4
Social work: effective or affective? [editorial] Wilkinson G. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1659–60
An otologic screening program in a Chinese Canadian community. Wolf D, et al. **Can J Public Health** 1982 Mar–Apr;73(2):88–91
Working with neglecting families. Hall M, et al. **Child Today** 1982 Mar–Apr;11(2):6–9, 36
Working with cancer patients in radiation therapy. Barstow LF. **Health Soc Work** 1982 Feb;7(1):35–40
A 'quality of life' model for social work practice in health care. Caputi MA. **Health Soc Work** 1982 May;7(2):103–10
Unique needs of people with chronic pain. Golden JM, et al. **Health Soc Work** 1981 Aug;6(3):47–53
Supportive and concrete services for teenage oncology patients. Lang PA, et al. **Health Soc Work** 1981 Nov; 6(4):42–5
Social work dilemma: when religion and medicine clash. Rockowitz RJ, et al. **Health Soc Work** 1981 Nov;6(4):5–11
Ethical conflicts in medical social work: pediatric cancer care as a prototype. Ross JW. **Health Soc Work** 1982 May; 7(2):95–102
Social work and chronic pain. Roy R. **Health Soc Work** 1981 Aug;6(3):54–62
A family-centered program of neonatal intensive care. Siegel R. **Health Soc Work** 1982 Feb;7(1):50–8
Vasectomy counseling and clinical social work. Smith HY. **Health Soc Work** 1981 Aug;6(3):64–70
Coping with mastectomy: issues for social work. Stolar GE. **Health Soc Work** 1982 Feb;7(1):26–34
Sources of support for the elderly during illness. Stoller EP. **Health Soc Work** 1982 May;7(2):111–22
Extending the productive years. Eisdorfer C. **Hosp Community Psychiatry** 1982 Feb;33(2):85
Teaching community agency referrals to medical students: the case method approach. Bernheimer E, et al. **J Med Educ** 1982 Sep;57(9):718–9
The social worker's role in genetic counseling. Mealer WF, et al. **J Natl Med Assoc** 1981 Dec;73(12):1159–62
Hospital social workers and nurses: interprofessional perceptions and experiences. Williams RA, et al. **JNE** 1982 May;21(5):16–21
Workshop II. Case management and family involvement. Cantor M, et al. **Mt Sinai J Med (NY)** 1981 Nov-Dec; 48(6):566–8
Ethical dilemmas for social workers in discharge planning. Abramson M. **Soc Work Health Care** 1981 Summer; 6(4):33–42
Risk taking behavior: decision making in the face of genetic uncertainty. Black RB. **Soc Work Health Care** 1981 Fall; 7(1):11–25
The impact of early and comprehensive social work services on length of stay. Boone CR, et al. **Soc Work Health Care** 1981 Fall;7(1):1–9
Educating the family practice resident in the use of community resources. Chapin BA. **Soc Work Health Care** 1981 Spring;6(3):49–56
The social worker as educator of family practice residents: principles for practice. Chernin ME. **Soc Work Health Care** 1981 Spring;6(3):25–34
The social work home visit in a health care setting. Cohen SN, et al. **Soc Work Health Care** 1981 Summer;6(4):55–67
Veterinary medicine and social work: a new avenue of access to mental health care. Crocken B. **Soc Work Health Care** 1981 Spring;6(3):91–4
Social work practice and community health: a planning-implementation model. Daniels MS. **Soc Work Health Care** 1980 Winter;6(2):39–51
Anorexia nervosa: a multidisciplinary treatment program for patient and family. Hedblom JE, et al. **Soc Work Health Care** 1981 Fall;7(1):67–86
Perceptions of the treatment responsibilities for the alcoholic elderly client. Kola LA, et al. **Soc Work Health Care** 1980 Winter;6(2):69–76
A clinical social worker's function as consultant in the neonatal intensive care unit. Kornblum H, et al. **Soc Work Health Care** 1981 Fall;7(1):57–65
Social work role in research studies of families having hereditary cancer and pre-cancer diagnoses. Krush AJ. **Soc Work Health Care** 1981 Winter;7(2):39–48
The measurement of the effect of social work on the enhancement of dental student training. Levy RL, et al. **Soc Work Health Care** 1980 Winter;6(2):33–8
Management of perinatal death: role of the social worker in the newborn ICU. Mahan CK, et al. **Soc Work Health Care** 1981 Spring;6(3):69–76
Social and emotional needs of geriatric surgery patients. Neugent MC. **Soc Work Health Care** 1981 Summer; 6(4):69–75
The use of a rehabilitation team for stroke patients. Pendarvis JF, et al. **Soc Work Health Care** 1980 Winter;6(2):77–85
Helping parents when their newborn infants die: social work implications. Rappaport C. **Soc Work Health Care** 1981 Spring;6(3):57–67
Medicare: an advocacy perspective for social workers. Spring JC. **Soc Work Health Care** 1981 Summer;6(4):77–89
Stress identification for social workers in health care: a preventive approach to burn-out. Taylor-Brown S, et al. **Soc Work Health Care** 1981 Winter;7(2):91–100
Clinical social work roles in an integrative, interdisciplinary team: enhancing parental compliance. Terry PO. **Soc Work Health Care** 1981 Summer;6(4):1–15
Social workers in a Family Practice Residency Network. Twersky RK, et al. **Soc Work Health Care** 1981 Spring; 6(3):13–23
Social structure and social behavior in an intensive care unit: patient-family perspectives. A social worker's response. Ullmann A. **Soc Work Health Care** 1980 Winter;6(2):18–22

Rape crisis intervention in the emergency room: a new challenge for social work. Vera MI. **Soc Work Health Care** 1981 Spring;6(3):1–11

Psychosocial stress in genetic disorders: a guide for social workers. Weiss JO. **Soc Work Health Care** 1981 Summer; 6(4):17–31

Teaching the behavioral science component in a family practice residency: social work role. Wolkenstein AS, et al. **Soc Work Health Care** 1981 Spring;6(3):35–47

[Cooperation of social workers in health care] Hoffmann P, et al. **Off Gesundheitswes** 1982 Jan;44(1):14–9 **(Ger)**

[Problems in social work for the handicapped] Sanden B. **Off Gesundheitswes** 1981 Sep;43(9):411–3 **(Ger)**

[Social work in the health department] Tessin K, et al. **Off Gesundheitswes** 1982 May;44(5):319–23 **(Ger)**

[Social and health services for the 'incurable' chronically ill. A problem that can not be deferred. Considerations and suggestions to its solution with special reference to the Lombardy region] Maderna AM. **Minerva Med** 1981 Nov 24;72(47):3181–4 **(Ita)**

[The adult psychiatry and the social care must cooperate to protect the children of the addicts] Persson B. **Nord Med** 1982 Jan;97(1):11–2 **(Swe)**

ECONOMICS

A role for Title XX in the aging network. Nelson G. **Gerontologist** 1982 Feb;22(1):18–25

Response to 'Concepts in the Financial Management of Hospital Social Work Departments' in Social Work i Health Care, Vol. 5(3), Spring 1980. Fisher D. **Soc Work Health Care** 1980 Winter;6(2):101–5

EDUCATION

Psycho–social aspects of deafness course as a counseling tool for the hearing impaired. Skyer SC. **Am Ann Deaf** 1982 Jun;127(3):349–55

Using role play as a training and supervisory tool. Gabriel JA. **Child Welfare** 1982 Jun;61(6):383–7

Training child welfare workers for cultural awareness: the culture simulator technique. Montalvo FF, et al. **Child Welfare** 1982 Jun;61(6):341–52

Teaching human sexuality and social work values. Johnson JD, et al. **Health Soc Work** 1982 Feb;7(1):41–9

Role training for interdisciplinary health teams. Lister L. **Health Soc Work** 1982 Feb;7(1):19–25

Training social workers for discharge–planning. Lurie A, et al. **Health Soc Work** 1981 Nov;6(4):12–8

Emergency services and the elderly: the role of the social worker. Wilson LB, et al. **Health Soc Work** 1982 Feb; 7(1):59–64

A course in collaboration for social workers and general practitioners. Samuel OW, et al. **J R Coll Gen Pract** 1981 Mar;31(224):172–5

Public health social work: a training model. Hooyman G, et al. **Soc Work Health Care** 1980 Winter;6(2):87–99

METHODS

Psychosocial aspects of osteoarthritis: helping patients cope. Gross M. **Health Soc Work** 1981 Aug;6(3):40–6

ORGANIZATION & ADMINISTRATION

Measuring social work productivity in health care. Coulton CJ, et al. **Health Soc Work** 1981 Aug;6(3):4–12

Marketing social services in health care facilities. Rosenberg G, et al. **Health Soc Work** 1981 Aug;6(3):13–20

Early assessment for discharge planning. Cunningham LS. **QRB** 1981 Oct;7(10):11–6

Psychiatric and social work collaboration in pediatric chronic illness hospital. Bergman AS, et al. **Soc Work Health Care** 1981 Fall;7(1):45–55

A psychosocial intervention program for children with short stature and their families. Finley BS, et al. **Soc Work Health Care** 1981 Fall;7(1):27–34

An early intervention program for high–risk children in a health care setting. Mayer JB, et al. **Soc Work Health Care** 1981 Fall;7(1):35–43

Social workers as evaluators: case study of a program for consumer feedback in a psychiatric hospital. Selig AL, et al. **Soc Work Health Care** 1981 Winter;7(2):67–78

Health planning: structure, processes, and social work involvement. Wilson PA. **Soc Work Health Care** 1981 Fall; 7(1):87–97

[Acute care of alcoholics in Finland – point of intersection between social and health services] Mäkelä R. **Nord Med** 1981 Nov;96(11):285–7 **(Swe)**

STANDARDS

Early childbearing and poverty: implications for social services. Brown SV. **Adolescence** 1982 Summer; 17(66):397–408

The Kentucky elderly need assessment: concurrent validity of different measures of unmet need. Murrell SA, et al. **Am J Community Psychol** 1982 Apr;10(2):117–32

Using a patient information system in social work quality assurance activities. Tucker F 2d. **QRB** 1982 Mar;8(3):25–7

Performance appraisal in a hospital social service department. Spano RM. **Soc Work Health Care** 1981 Winter;7(2):13–37

TRENDS

Primary prevention: revolution in the helping professions? Bloom M. **Soc Work Health Care** 1980 Winter;6(2):53–67

UTILIZATION

Social work utilization in pediatrics: referral preferences among teachers, parents, and pediatricians. Bergman AS, et al. **Soc Work Health Care** 1980 Winter;6(2):107–10

SOCIAL WORK, PSYCHIATRIC

[The placement of young children on medical advice. Psychological and social aspects (author's transl)] Sauvage D. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):449–54 (Eng. Abstr.) **(Fre)**

[Social psychiatric services in Hannover: examples for an important working field in public health] Bauer M. **Off Gesundheitswes** 1981 Jul;43(7):310–4 **(Ger)**

[Activities in social psychiatry of the public health service demonstrated by the example of the city of Munich] Loeffelholz von Colberg F. **Off Gesundheitswes** 1982 Apr; 44(4):219–22 **(Ger)**

[Social rehabilitation and welfare Abstracts] **Seishin Shinkeigaku Zasshi** 1981;83(12):783–821 **(Jpn)**

TRENDS

[Victim and perpetrator in the psychoboom: the example of the social worker] Müller U. **Psychiatr Prax** 1981 Nov; 8(4):155–7 **(Ger)**

SOCIAL WORKERS see **SOCIAL WORK**

SOCIALISM

Problems of health and position of the elderly in socialist countries of Eastern Europe. Chebotarev DF, et al. **ZFA (Dresden)** 1981;36(6):437–72

[The development and role of the Marriage and Family Section in the establishment of socialist family policies in East Germany] Dierl W. **Z Gesamte Hyg** 1981 Jul 7; 27(7):514–6 (Eng. Abstr.) (Ger)

[Principles of socialist health protection and their implementation under existing national conditions] Renker K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):773–8 (Eng. Abstr.) **(Ger)**

[Social aspects of ageing and old age in socialist society (author's transl)] Runge I. **ZFA (Dresden)** 1981;36(6):495–8 (Eng. Abstr.) **(Ger)**

[Public health and community health problems in a developed socialist society] Serenko AF. **Sov Zdravookhr** 1981;(8):3–8 **(Rus)**

[Let us compete according to individual creative plans] Ibadulin RR, et al. **Voen Med Zh** 1982 Jun;(6):7–10 **(Rus)**

SOCIALIZATION

see related
CHILD REARING
PARENT–CHILD RELATIONS
PERSONALITY DEVELOPMENT

Parental influences on aggressive behavior: a social learning approach. Neapolitan J. **Adolescence** 1981 Winter; 16(64):831–40

Beyond the norm––social maturity and deafness. Delgado GL. **Am Ann Deaf** 1982 Jun;127(3):356–60

Graduate nurse transition program. Borovies DL, et al. **Am J Nurs** 1981 Oct;81(10):1832–5

Biochemical differences in children with conduct disorder socialized and undersocialized. Rogeness GA, et al. **Am J Psychiatry** 1982 Mar;139(3):307–11

Influences of sequences of environmental factors on the response of chickens to fasting and to Staphylococcus aureus infection. Gross WB, et al. **Am J Vet Res** 1982 Jan; 43(1):137–9

Commitment needed for effective staff orientation program. Merrill S. **AORN J** 1981 Sep;34(3):379–80

The socialization effects of cultural role models in ontogenetic development and upward mobility. Emery OB, et al. **Child Psychiatry Hum Dev** 1981 Fall;12(1):3–18

Immediate antecedents of caretaker's methods of discipline. Zahn–Waxler C, et al. **Child Psychiatry Hum Dev** 1982 Spring;12(3):179–92

Malnutrition, infant stimulation and mental development. Cravioto J, et al. **Child Today** 1981 Jul–Aug;10(4):35–7 passim

Interpersonal influences on male drug use and drug use intentions. Clayton RR, et al. **Int J Addict** 1982 May; 17(4):655–66

Encountering reality: reactions of newly hired R.N.'s to the world of the medical center. Speedling EJ, et al. **Int J Nurs Stud** 1981;18(4):217–25

The socialization experience in nursing; an interactive explanation. Warner ET, et al. **Int J Nurs Stud** 1981; 18(3):185–9

Socialisation scheme with a high staff–patient ratio. Hollander D, et al. **Int J Soc Psychiatry** 1981 Winter; 27(4):243–52

Adult individual differences as moderators of child effects. Bates JE, et al. **J Abnorm Child Psychol** 1981 Sep; 9(3):329–40

Four new research approaches to socialization: an evaluation of their advantages and disadvantages. Bell RQ. **J Abnorm Child Psychol** 1981 Sep;9(3):341–5

Symposium on parent, child, and reciprocal influences: new experimental approaches. Introduction. Bell RQ. **J Abnorm Child Psychol** 1981 Sep;9(3):299–301

Isolating causal effects through experimental changes in parent–child interaction. Chapman M. **J Abnorm Child Psychol** 1981 Sep;9(3):321–7

The study of reciprocal influences through experimental modification of social interaction between functional adult–child pairs. Keller BB. **J Abnorm Child Psychol** 1981 Sep;9(3):311–9

Theoretical bases for research on the acquisition of social sex–roles by children of lesbian mothers. Nungesser LG. **J Homosex** 1980 Spring;5(3):177–87

Children's social skills: an overview. La Greca AM. **J Pediatr Psychol** 1981 Dec;6(4):335–41

The use of music with autistic children. Baker BS. **J Psychosoc Nurs Ment Health Serv** 1982 Apr;20(4):31–4

Self–actualization and professional socialization of nursing students in the clinical laboratory experience. Cotanch PH. **JNE** 1981 Oct;20(8):4–14

Role transition: a practicum for baccalaureate nursing students. Dear MR, et al. **JNE** 1982 Feb;21(2):32–7

Strategies for faculty: teaching the RN student in a BSN program. Parlocha P, et al. **JNE** 1982 May;21(5):22–5

Promoting psychosocial functioning and preventing malfunctioning. Vassiliou G, et al. **Paediatrician** 1982; 11(1–2):90–8

A volunteer support system for the chronically mentally ill. Hjorten MK. **Perspect Psychiatr Care** 1982 Jan–Mar; 20(1):17–22

Race and gender differences in children's socialization into sport. Greendorfer SL, et al. **Res Q Exerc Sport** 1981 Oct; 52(3):301–10

Professional socialization in dentistry. A longitudinal analysis of attitude changes among dental students towards the dental profession. Eli I, et al. **Soc Sci Med** 1982;16(9):951–5

[Aging as an effect of socialization through work (author's transl)] Kohli M. **Aktule Gerontol** 1980 Dec;10(12):527–33 (Eng. Abstr.) **(Ger)**

[The socialization of neurotic patients. A description of familial socialization of patients from 2 ambulatory care facilities] Lieberz K. **Z Psychosom Med Psychoanal** 1982; 28(1):14–29 (Eng. Abstr.) **(Ger)**

[Socialization problems within the family causing neurotic disorders] Magyar E. **Orv Hetil** 1981 Nov 1; 122(44):2709–12 **(Hun)**

[Natural and social determination of the human psyche] Tsaregorodtsev GI, et al. **Vestn Akad Med Nauk SSSR** 1981;(4):56–65 **(Rus)**

SOCIALIZED MEDICINE see **STATE MEDICINE**

SOCIETIES

see related
LIBRARY ASSOCIATIONS

Roster of members of the Convention of American Instructors of the Deaf 1981. **Am Ann Deaf** 1981 Aug; 126(5):540–55

Roster of educators of the deaf 1982. **Am Ann Deaf** 1982 Apr;127(2):249–77

The A.C.T.A. continuing education program. Figoni S. **Am Correct Ther J** 1981 Nov–Dec;35(6):159–62

The 1982 Division 27 award for distinguished contributions to community psychology and community mental health: George W. Albee. Crissey MS. **Am J Community Psychol** 1982 Feb;10(1):1–4, 30–6

Asha interviews 1982 president Laura Ann Wilber. Wilber LA. **ASHA** 1982 Jan;24(1):13–7

Society for Public Health Education: survey of membership. Patton RD, et al. **Health Educ Q** 1980 Spring;7(1):35–55

Pressure growing for payment reform. **Hospitals** 1982 Jul 1;56(13):24

Biting the bullet: the states begin funding cutbacks. Friedman E. **Hospitals** 1982 Jan 1;56(1):55–60

What does the new law on foreign conventions mean to associations? Vickerman JC. **J Am Dent Assoc** 1981 Jun; 102(6):956–7

Federal focus on nutrition and dietetics. Block JR. **J Am Diet Assoc** 1981 Dec;79(6):643–7

The president's page. Langholz EP. **J Am Diet Assoc** 1982 Sep;81(3):291–3

Presidential Address 1981. A place in society. Marples LP. **Radiography** 1981 Nov;47(563):245–51

Code of ethics: professional and legal implications. Warner SL. **Radiol Technol** 1981 Mar–Apr;52(5):485–94

[Help for multiple sclerosis patients] **Fortschr Med** 1981 Dec 17;99(47–48):1989–90 **(Ger)**

[30 years of Polish Parasitological Society] Furmaga S. **Wiad Parazytol** 1980;26(4–5):293–8 **(Pol)**

HISTORY

The boys in the club. Horton LE. **J Am Diet Assoc** 1982 Jul;81(1):17–25

Freud's Reich, the psychiatric establishment, and the founding of the American Psychoanalytic Association: professional styles in conflict. Hale NG Jr. **J Hist Behav Sci** 1979 Apr;15(2):135–41

Club practice. Bloor DU. **J R Coll Gen Pract** 1982 May; 32(238):310–5

ORGANIZATION & ADMINISTRATION

C.H.A. and long-term care--an update [editorial] Martin JC. **Dimens Health Serv** 1981 Dec;58(12):6-7 **(Eng, Fre)**
Innovation in education [editorial] Martin JC. **Dimens Health Serv** 1981 Oct;58(10):6-7 **(Eng, Fre)**
C.C.H.S.E. develops certification program. Soucy W. **Dimens Health Serv** 1982 Jun;59(6):46
Boon or bane, business coalitions have entered the health care scene. Keenan C. **Hospitals** 1982 Feb 1;56(3):64-8
Implications of ADA plan IV for active membership. Junkermier PA, et al. **J Am Diet Assoc** 1982 Apr; 80(4):338-43

SOCIETIES, DENTAL

Comment by the British DEntal Association on the report of the Dental Strategy Review Group. **Br Dent J** 1982 Mar 16;152(6):207-10
The British Society of Dentistry for the Handicapped. Rule DC. **Br Dent J** 1981 Oct 20;151(8):264
Directory of officers. Canadian Dental Association. **Can Dent Assoc J** 1982 Jan;48(1):32-7
Dentistry on stamps. Loevy HT, et al. **J Am Dent Assoc** 1982 Feb;104(2):205
Program issue. 59th American Association of Dental Schools Annual Session. March 14-17, 1982, New Orleans, Louisiana. **J Dent Educ** 1982 Jan;46(1):1-51
The district claims committee. Treitel KH. **NY State Dent J** 1981 Nov;47(9):524
[List of members of the International Group for Scientific Research in Stomatology and Odontology (9 November 1981)] **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):279-86 **(Fre)**

HISTORY

[Recollections of the beginnings of the GIRSO (Groupement international pour la Recherche scientifique en Stomatologie et Odontologie)] Klees L. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Jun; 24(2):75-80 (Eng. Abstr.) **(Fre)**
[75 years of the Lower Rhein Dental Society] Kottenkamp W. **Dtsch Zahnarztl Z** 1981 Oct;36(10):610-3 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

CDA speaks for Canadian dentists. **Can Dent Assoc J** 1982 Jan;48(1):18-21

SOCIETIES, HOSPITAL see under **SOCIETIES**

SOCIETIES, MEDICAL

Introduction to the Report on the Quality Assurance Programs of the College of American Pathologists, 1981. Batsakis JG, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):512-3
Evaluations of antimicrobial susceptibility test proficiency by the College of American Pathologists Survey program. A clarification of quality control recommendations. Jones RN, et al. **Am J Clin Pathol** 1982 Aug;78(2):168-72
The results of the 1979 Comprehensive blood bank survey of the College of American Pathologists. Walker RH, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):514-20
The advantages of a public relations firm in achieving the goals of the American College of Gastroenterology. Bakal C, et al. **Am J Gastroenterol** 1982 Feb;77(2):122-5
National health issues and the American College of Gastroenterology. Cutler J. **Am J Gastroenterol** 1982 Mar; 77(3):190-3
The role of a national specialty society in the 1980's--orientation to the Washington scene. Dirks H. **Am J Gastroenterol** 1982 Mar;77(3):181-3
A public relations role for the American College of Gastroenterology in insurance reimbursement for professional services in gastroenterology. McIntyre M. **Am J Gastroenterol** 1982 Feb;77(2):119-21
American College of Gastroenterology. Task Force on Public Relations and National Affairs. January 29-30, 1981. Overview and considerations. Nugent FW. **Am J Gastroenterol** 1982 Mar;77(3):179-80
Effectiveness of the role of a national specialty society. Ramsey WR. **Am J Gastroenterol** 1982 Mar;77(3):188-9
Ideas and ideals: presidential address. Anderson DG. **Am J Obstet Gynecol** 1982 Jun 1;143(3):239-42
Presidential address of the American Orthopaedic Society for Sports Medicine. Larson RL. **Am J Sports Med** 1981 Nov-Dec;9(6):349-51
American Association of Anatomists. List of members 1981. **Anat Rec** 1981 Oct;201(2):379-450
Safety, efficacy, and effectiveness of clinical practices: a new initiative. Schwartz JS, et al. **Ann Intern Med** 1982 Feb; 96(2):246-7
Humanitarianism in plastic surgery. Laub DR. **Ann Plast Surg** 1981 Aug;7(2):99-101
Presidential address: The surgical presidency. Hanlon CR. **Ann Surg** 1982 Sep;196(3):233-8
Response to the report of the Ad Hoc Committee on Recertification of The Society of Thoracic Surgeons. The American Board of Thoracic Surgery [editorial] **Ann Thorac Surg** 1981 Sep;32(3):220-1
The American Rheumatism Association, 1990. Presidential Address to the American Rheumatism Association, June 4, 1981. Bole GG. **Arthritis Rheum** 1982 Jan;25(1):1-9
An analysis of the American Rheumatism Association criteria for rheumatoid arthritis. Mitchell DM, et al. **Arthritis Rheum** 1982 May;25(5):481-7
The pocketbook of the Association: the Economics Department [interview] Griffin KM. **ASHA** 1982 Feb; 24(2):97-101
Association for the prevention of war [letter] Huppert P, et al. **Aust NZ J Psychiatry** 1982 Mar;16(1):85-6
1981 Upjohn Achievement Award (Dr. Robert Paul Hanson). **Avian Dis** 1981 Oct-Dec;25(4):781-3
1981 AAAP Special Service Award (Dr. Stephen B. Hitchner). **Avian Dis** 1981 Oct-Dec;25(4):779-81
1980 P. P. Levine Award (Dr. R. L. Witter). **Avian Dis** 1981 Oct-Dec;25(4):783-4
Aerospace Medical Association. Constitution. **Aviat Space Environ Med** 1981 Dec;52(12):739-48
Aerospace Medical Association. Directory of members. **Aviat Space Environ Med** 1981 Dec;52(12):750-812
150 years of the British Medical Association. Annual Report of Council 1981-1982. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1-32
Anniversary ARM [editorial] **Br Med J [Clin Res]** 1982 Jul 24;285(6337):241-2
Canadian Anaesthetists' Society Medal. **Can Anaesth Soc J** 1982 Jul;29(4):400-2 **(Eng, Fre)**
CMA President calls for task force on health care rationing. Richard L. **Can Med Assoc J** 1982 Jun 15; 126(12):1432A-1432B
The 1981 presidential valediction. Thomas WD. **Can Med Assoc J** 1981 Oct 15;125(8):904, 907-8, 913-4
The society for cardiac angiography: its purpose, efforts, and goals. **Cathet Cardiovasc Diagn** 1981;7(2):217-24
The president's year. Weg JG. **Chest** 1981 Oct;80(4):478-80
Directory: The Shock Society. **Circ Shock** 1982;9(2):212-40
AHA diet recommendations [letter] Walker WJ. **Circulation** 1982 Aug;66(2):480
Guidelines for discontinuance of life-support systems. Los Angeles County Medical Association, Los Angeles County Bar Association. **Conn Med** 1981 Nov;45(11):723-4
European Society for Clinical Investigation. Presidential address. Mjøs OD. **Eur J Clin Invest** 1981 Dec;11(6):415-6
Presidential address 1981: the A/S/G/E and its environment. Waye JD. **Gastrointest Endosc** 1981 Nov;27(4):211-2
Pathology and international health: the future of the International Council of Societies of Pathology from a United States perspective. Weiss DL, et al. **Hum Pathol** 1982 Jan;13(1):1-2
Illinois State Medical Society. Constitution and bylaws. **IMJ** 1981 Nov;160(5):299-322
In pursuit of the greater good. White FZ. **IMJ** 1982 Apr; 161(4):279-85
Gold medal awards of the American Society of Therapeutic Radiologists. **Int J Radiat Oncol Biol Phys** 1981 Jun; 7(6):791-3
My companions on the International Committee of Dermatology. Sulzberger MB. **J Am Acad Dermatol** 1982 Feb;6(2):179-94
Activities of the International Committee of Dermatology. Thyresson N. **J Am Acad Dermatol** 1982 Feb;6(2):168-72
American Medical Women's Association, Inc., proposed Constitution and Bylaws changes. **J Am Med Wom Assoc** 1981 Sep;36(9):287-93
Inaugural address. Helfand AE. **J Am Podiatry Assoc** 1982 Sep;72(9):479-81
Arkansas Medical Society membership roster. December 1, 1981. **J Arkansas Med Soc** 1981 Dec;78(7):299-322
Inaugural conference U.P. Chapter--Association of Physicians of India Inaugural Address. Mathur KS. **J Assoc Physicians India** 1981 Aug;29(8):659-65
The International Cardiovascular Society. List of members. **J Cardiovasc Surg (Torino)** 1981 Jul-Aug;22(4):366-412
Special issue. FMA Auxiliary. **J Fla Med Assoc** 1982 Feb; 69(2):73-134
The Florida Medical Association and health care financing. Mullen SA. **J Fla Med Assoc** 1982 Mar;69(3):163-4
ISMA welcomes its 139th president: Martin J. O'Neill, Sr., M.D. **J Indiana State Med Assoc** 1981 Dec;74(12):768
The Infectious Diseases Society of America and the 1980s. Wolff SM. **J Infect Dis** 1982 May;145(5):595-601
The Society for Investigative Dermatology, Inc. **J Invest Dermatol** 1982 Jan;78(1):84-6
APTP - it would have helped. Haugland S. **J Iowa Med Soc** 1981 Oct;71(10):417-9
1981 constitution and bylaws of the Kentucky Association. **J Ky Med Assoc** 1981 Dec;79(12):883-90
President's page 'They were good men and women who did nothing and evil prospered'. Cassady BW. **J Ky Med Assoc** 1981 Nov;79(11):713
The Medical Association of Georgia's Disabled Doctors Program -- a 5-year review. Talbott GD, et al. **J Med Assoc Ga** 1981 Aug;70(8):545-9
Association of American Medical Colleges annual meeting and annual report. **J Med Educ** 1982 Mar;57(3):209-73
The McMaster CME Society. Davis D, et al. **J Med Educ** 1982 Jun;57(6):476-80
Transactions. 1981 House of Delegates. 215th Annual meeting. The Medical Society of New Jersey. May 16-19, 1981. **J Med Soc NJ** 1981;78(8):Tri-72
Address of the president. Moore PH. **J Miss State Med Assoc** 1981 Jul;22(7):179-80
The president speaking: reaching goals through political action. Triplett RF. **J Miss State Med Assoc** 1981 Nov; 22(11):286
NMA support of measles elimination. Epps RP. **J Natl Med Assoc** 1981 Dec;73(12):1113-6
Proceedings of the 75th annual session of the House of Delegates of the Oklahoma State Medical Association. **J Okla State Med Assoc** 1981 Aug;74(8):238-94
President's page: prescription for goodwill. Pitts JB. **J Okla State Med Assoc** 1981 Dec;74(12):386
American Society of Parasitologists. Membership list as of 1 June 1982. **J Parasitol** 1982 Jun;68(3 Suppl):1-29
Obtaining and maintaining membership: a Council discussion paper. The Royal College of General Practitioners. **J R Coll Gen Pract** 1981 Sep;31(230):521-4
1979 AAGL membership survey. Phillips JM, et al. **J Reprod Med** 1981 Oct;26(10):529-33
1981 membership roster tennessee medical association. **J Tenn Med Assoc** 1981 Dec;74(12):903-19
The American Association of Thoracic Surgery 1982--1983. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):459-76
JAMA reference directories. **JAMA** 1982 Jan 22-29; 247(4):437-8, 445, 449 passim
JAMA reference directories. **JAMA** 1982 Jan 15;247(3):293-5
JAMA reference directories. **JAMA** 1982 Apr 16; 247(15):2085-6
JAMA reference directories. **JAMA** 1982 Jul 16; 248(3):299-300, 305
JAMA reference directories. **JAMA** 1982 Jul 23; 248(4):417-21
Obtaining tax-exempt status [letter] Seltzer SE. **JAMA** 1982 Mar 5;247(9):1277
South Africa and the Royal College of Psychiatrists [letter] Sashidharan SP, et al. **Lancet** 1982 Aug 28;2(8296):497-8
South Africa and the Royal College of Psychiatrists [letter] Sashidharan SP. **Lancet** 1981 Nov 7;2(8254):1049
The Faculty's 121st president: Albert M. Antlitz, MD/profile-interview. Antlitz AM. **Md State Med J** 1981 Aug;30(8):35-42
A profile/interview of Jose Martinez, MD, Chairman of the Faculty's Legislative Committee [interview by Blaine Taylor] Martinez J. **Md State Med J** 1982 Jan;31(1):9-11
Alva S. Baker, MD: a profile/interview of the chairman of the Faculty Program and Arrangements Committee. Taylor B. **Md State Med J** 1981 Oct;30(10):66-7
The Maryland Psychiatric Society: a profile/interview of Chester W. Schmidt, Jr., MD, president. Taylor B. **Md State Med J** 1981 Sep;30(9):60-2
The importance of being humane: important resolutions of the World Medical Association. Winton R. **Med J Aust** 1981 Nov 14;2(10):512-3
Control of abuse in the medical benefits scheme [editorial] Winton R. **Med J Aust** 1982 Mar 6;1(5):197
Who's in charge here? Doctor Tisdel leads 1982 MSMS leaders. **Mich Med** 1982 May;81(24):242-4
Here are leaders of Michigan's count medical societies. **Mich Med** 1982 May;81(24):267-9
MSMS leadership in profile. **Mich Med** 1982 May; 81(24):246-7
Physician Service Group, Inc. Anthony J. **Mich Med** 1981 Dec;80(35):648
Conversations with over 600 form basis for MSMS survey. Burton RD. **Mich Med** 1981 Oct;80(29):517
'Meeting the challenge of the 80s' MSMS public relation focus for 1982. Burton RD. **Mich Med** 1982 Mar; 81(13):135-40
MSMS public service committee emphasizes education. Burton RD. **Mich Med** 1981 Oct;80(29):516-8
Presidents page: medical society membership like a white coat (interview by Judith E. Marr). Fryfogle JD. **Mich Med** 1981 Dec;80(35):682
Presidents' page: welcoming new students to the medical family. Fryfogle JD. **Mich Med** 1981 Oct;80(29):572
An MSMS leader looks at his organization [interview by Judith Marr] Leitch RM. **Mich Med** 1982 May; 81(24):248-50
MSMS arms physician leaders to meet difficult economic times. Marr J. **Mich Med** 1981 Dec;80(35):660-2
MSMS position statement parallels GMENAC projections. Ray KJ. **Mich Med** 1982 Mar;81(13):144-5
MSMS wants you -- residents and students. Scholten M. **Mich Med** 1981 Dec;80(35):647
Cost, quality of medical care ranked in MSMS survey. Scholten M. **Mich Med** 1981 Oct;80(29):518-20
MSMS Council hears new public health director. Walker B Jr. **Mich Med** 1981 Nov;80(32):606-8
Twenty years ago, MSMS headquarters changed from this ... to this ... do your remember? Wertz B. **Mich Med** 1981 Dec;80(35):645-6
President's Letter: Deregulation, Competition, and Phase IV. McCarthy CJ. **Minn Med** 1981 Dec;64(12):732-3
President's message: 'Politics' and physicians. Hansbrough ET. **Mo Med** 1981 Sep;78(9):595
Undrained brains [letter] **N Engl J Med** 1982 May 27; 306(21):1297-8
The International League Against Rheumatism [letter] Engleman E. **N Engl J Med** 1982 May 20;306(20):1241
Special Report. Council of Medical Specialty Societies: CMSS--a national medical federation. Maass L, et al. **N Engl J Med** 1982 Aug 26;307(9):570-2
President's acceptance speech. Newell JE. **NC Med J** 1981 Aug;42(8):541-3

Worldwide survey of neurosurgical training requirements and certifying mechanisms: report of the Committee on Neurosurgical Education of the World Federation of Neurosurgical Societies. Mosberg WH Jr, et al. **Neurosurgery** 1982 Mar;10(3):390–400

Proceedings of the House of Delegates, Medical Society of the State of New York, October 11–14, 1981, New York City and official position papers. **NY State J Med** 1982 Mar;82(4):439–680

Help for impaired physician. Nagy BR. **NY State J Med** 1981 Sep;81(10):1531–4

Submission from the New Zealand Medical Association to the Committee to Review Primary Medical Services. **NZ Med J** 1982 Apr 28;95(706):272–5

The OSMA and the auxillary: a synergy of action. Pfahl SB Jr. **Ohio State Med J** 1982 Jun;78(6):395–6

Why i joined organized medicine. Baumann BK. **Pa Med** 1981 Nov;84(11):12–3

Membership development charted by survey. McAleer LJ. **Pa Med** 1981 Nov;84(11):16–7

The European Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):408A–411A

The Latin American Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):412A–413A

The American Pediatric Society. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):381A–391A

The Society for Pediatric Research. Membership List. 1981–1982. **Pediatr Res** 1982 Apr;16(4 Pt 2):392A–407A

American Academy of Pediatrics. Joint Committee on infant hearing. Position statement 1982. **Pediatrics** 1982 Sep; 70(3):496–7

American Academy of Pediatrics. Committee on Nutrition. Nutrition and lactation. **Pediatrics** 1981 Sep;68(3):435–43

Dr. Grandon's presidency culminates 30 active years. **Penn Dent J (Phila)** 1981 Oct;84(10):9–10

Society develops new shape, purpose through planning. Grandon RC. **Penn Dent J (Phila)** 1981 Oct;84(10):16–9

Four issues predominate in Philadelphia CMS. Poinsard PJ. **Penn Dent J (Phila)** 1981 Oct;84(10):24–5

Gastroenterologists form unit. **Penn Med** 1982 Jan;85(1):10

Bylaws. American Physical Therapy Association. **Phys Ther** 1981 Oct;61(10):1473–83

Current policies of the American Board of Plastic Surgery. Hanna DC. **Plast Reconstr Surg** 1982 Apr;69(4):714–6

Society for Experimental Biology & Medicine. **Proc Soc Exp Biol Med** 1981 Dec;168(3):D–1–107

The impact of the cancer control programs of the American College of Surgeons. Smart CR. **Prog Clin Biol Res** 1981; 57:21–9

Communications programs of the Commission on Cancer, American College of Surgeons. Smart CR. **Prog Clin Biol Res** 1982;83:107–10

Presidential address, New England Cancer Society. Role of a professional society of cancer care physicians. Leone LA. **RI Med J** 1982 May;65(5):203–7

The once and future state medical society: who owns the state medical societies? Some observations worth observing. Mathieu PL Jr. **RI Med J** 1981 May;64(5):231–6

President's annual address: to the Rhode Island Medical Society with love. Mathieu PL Jr. **RI Med J** 1981 Sep; 64(9):421–5

Further correspondence between the BMA and the MASA, pertaining to the notice of intention to disaffiliate from the BMA. **S Afr Med J** 1982 Jul 24;62(4):114–7

The international political scene and the medical profession [editorial] de Klerk JN. **S Afr Med J** 1981 Oct 3; 60(14):527–8

Members: American Clinical and Climatological Association. **Trans Am Clin Climatol Assoc** 1981;93:vii–xxiii

American Ophthalmological Society. Directory. **Trans Am Ophthalmol Soc** 1981;79:ix–xxviii

Presidential address: Dr. Wootton commends and recommends. Wootton P. **Va Med** 1981 Dec;108(12):792–5

The new medical practice act: implications for medical discipline. Walker WN, et al. **W Va Med J** 1980 Sep; 76(9):233–5

Presidential address. Ward SD. **W Va Med J** 1980 Oct; 76(10):253–6

State Medical Society of Wisconsin 1981–1982 membership directory as of December 31, 1981. **Wis Med J** 1982 Jan; 81(1):13–98

Membership directory update. **Wis Med J** 1981 Oct; 80(10):49–53

[Health care in Czechoslovakia and activities of the Czech Medical Society] **Cas Lek Cesk** 1981 May 7;120(18):529–43 **(Cze)**

[Report on activities of the Czech Medical Society in 1978–1981] Homolka J. **Vnitr Lek** 1982 Apr;28(4):314–24 **(Cze)**

[The efforts of the Czech Medical Society in advancing socialism and health care] Prokop J. **Vnitr Lek** 1982 May; 28(5):417–23 **(Cze)**

[Presentation of the Barfred–Pedersen award (Gert Poulsen)] **Ugeskr Laeger** 1981 Sep 28;143(40):2601–3 **(Dan)**

[Belgian Society of Anesthesia and Resuscitation. Society membership. 1981] **Acta Anaesthesiol Belg** 1981; 32(2):XV–XXV **(Fre)**

[European Society of General Internal Medicine, International Society, Brussels. List of members] **Agressologie** 1982 Jan;23(A):XLVII–LII **(Fre)**

[Medico–Psychologic Society. List of members] **Ann Med Psychol (Paris)** 1982 Jan;140(1):69–101 **(Fre)**

[List of members of the Société française d'Ophtalmologie. 1981] **Bull Mem Soc Fr Ophtalmol** 1981;93:XIII–CLXXVI **(Fre)**

[French Society of Rheumatology] **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):751–64 **(Fre)**

[20 years of the Parasitological Society of East Germany] Engelbrecht H, et al. **Angew Parasitol** 1981 Nov; 22(4):185–92 **(Ger)**

[30 years of the Federation of Medical Examiners (now: Federation of Medical Examiners and Pension Insurance Examiners)] Kohlhausen K. **Off Gesundheitswes** 1982 Apr; 44(4):205–8 **(Ger)**

[Results and problems of collaboration between the medico–scientific societies of countries in the socialist community from 1966–1979] Rohland L. **Sante Publique (Bucur)** 1981;24(2–3):133–48 (Eng. Abstr.) **(Ger)**

[Health Protection in the Workplace: Special Commission of the Swiss Society for Occupational Medicine, Occupational Hygiene and Occupational Safety] Amstutz P. **Soz Praventivmed** 1981 Jul;26(3):120–5 (Eng. Abstr.) **(Ger)**

[Società Italiana di Cardiologia. Directory of members] **Boll Soc Ital Cardiol** 1981;26(1):III–XLII **(Ita)**

[How to organize scientific meetings of the Polish Radiological Society (author's transl)] Niezabitowski K, et al. **Pol Przegl Radiol** 1981 Jul–Sep;45(4):249–52 **(Pol)**

[Role of scientific societies of hematologists and transfusion specialists in the further improvement of ideological and educational activities] Buglov ED, et al. **Probl Gematol Pereliv Krovi** 1982 Feb;27(2):3–7 **(Rus)**

[1982–1985 local associations of the Slovak Medical Society] **Cas Lek Cesk** 1982 Apr 30;121(17):533–9, passim **(Slo)**

[Spanish–Latin–American College of Dermatology] **Med Cutan Iber Lat Am** 1981;9(6):433–94 **(Spa)**

[List of members of the Spanish Society for Digestive Pathology] **Rev Esp Enferm Apar Dig** 1982 Jul;62(1):81–98 **(Spa)**

HISTORY

Celebration of the 10th anniversary of the European Association of Neurosurgical Societies. Brihaye J. **Acta Neurochir (Wien)** 1982;60(1–2):1–6

The Massachusetts Medico–Legal Society. The early years. Tedeschi LG. **Am J Forensic Med Pathol** 1981 Sep; 2(3):257–60

Historical review of the San Francisco Surgical Society. Mathewson C Jr. **Am J Surg** 1982 Feb;143(2):246–51

Early history of the Medical Society of the U. S. and Mexico. Thompson HE. **Ariz Med** 1982 Jan;39(1):55–8

The Fleece Medical Society. Proudfit WL. **Br Heart J** 1981 Dec;46(6):589–94

One hundred and fifty years of service [editorial] Havard JD. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):5–6

President's remarks. Norbert J. Roberts, M.D. President the New York Academy of Medicine. Roberts NJ. **Bull NY Acad Med** 1981 Oct;57(8):659–63

25 years of the Czechoslovak Society for Nuclear Medicine and Radiation Hygiene. Dienstbier Z. **Czech Med** 1981; 4(3):97–106

Birth and growth of the European Society of Cardiology. Snellen HA. **Eur Heart J** 1980 Feb;1(1):5–7

Daniel Blain: a reminiscence. Vosburgh P. **Hosp Community Psychiatry** 1982 Jan;33(1):6–7

ISMS organization. History of founding and expansion. **IMJ** 1981 Nov;160(5):297

Aging comes of age. W.O. Thompson, J. Am. Geriatrics Soc. 1: 1, 1953. **J Am Geriatr Soc** 1981 Dec;29(12):542–3

History of the American Geriatrics Society. Malford W. Thewlis, J. Am. Geriatrics Soc. 1: 3, 1953. **J Am Geriatr Soc** 1981 Dec;29(12):544–9

January 1982: 75th birthday of the ISMA Journal. History and highlights Indiana State Medical Association and its journal. Ramsey FB. **J Indiana State Med Assoc** 1982 Jan; 75(1):14–9

The Tallapoosa County Medical Society. Cameron JE. **J Med Assoc State Ala** 1982 Jul;52(1):20–3

The component society—a 'sine qua non' to membership. Mathews CL. **J Miss State Med Assoc** 1981 Dec; 22(12):303–5

History of the Mississippi State Medical Association. Mathews CL. **J Miss State Med Assoc** 1981 Dec; 22(12):299–302

Auxiliary history is record of service. Silver P. **J Miss State Med Assoc** 1981 Dec;22(12):316–8

MSMA leadership is family tradition. Silver P. **J Miss State Med Assoc** 1981 Dec;22(12):306–9

The Fothergillian medals of the Medical Society of London (John Fothergill). Booth CC. **J R Coll Physicians Lond** 1981 Oct;15(4):254–8

The Asklepion Club of Nashville. Kampmeier RH. **J Tenn Med Assoc** 1982 Feb;75(2):93–9

The Phoenix and the Eagle: The founding of the Boston and Massachusetts Medical Societies in 1780 and 1781. Cash P. **N Engl J Med** 1981 Oct 29;305(18):1033–9

Two hundred years young [editorial] Relman AS. **N Engl J Med** 1981 Oct 29;305(18):1088–9

The Massachusetts Medical Society bicentennial celebration. Spencer ER Jr. **N Engl J Med** 1981 Oct 15;305(16):953–4

Proceedings of the State Medical Convention, held in Raleigh, April, 1849, and Constitution and Medical Ethics of the Medical Society of the State of North Carolina, then adopted. **NC Med J** 1982 Mar;43(3):212–21

Annual address, delivered before the Medical Society of the State of New York, February 8, 1837, by James M'Naughton, M.D., president of the society. **NY State J Med** 1982 Feb;82(2):242–50

The Gold-Headed Cane award of the Taylor–Jones County Medical Society. Williams JE, et al. **Tex Med** 1981 Nov; 77(11):50–1

The British Thoracic Society. Turner–Warwick M. **Thorax** 1982 May;37(5):321–3

BVA Centenary. The British Veterinary Association: an historical note. Snodgrass N. **Vet Rec** 1982 Mar 20; 110(12):279–88

[Twenty years of the Czechoslovak Society Nephrology (author's transl)] Válek A. **Cas Lek Cesk** 1982 May 7; 121(18):568–71 (Eng. Abstr.) **(Cze)**

[The Finnish Medical Society's Duodecim: 100 years of medical progress] Raivio K. **Duodecim** 1981;97(20):1661–3 (Eng. Abstr.) **(Fin)**

[Brief history of the Ordre des Médecins] Theil P. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):739–45 **(Fre)**

[75 years of the Gynecologic and Obstetric Society of French Switzerland – 70 years of the Gynecologic Society of German Switzerland] Stamm H. **Gesnerus** 1981; 38(3–4):313–30 (Eng. Abstr.) **(Ger)**

[The 85th year of the West German Ear, Nose and Throat Society] lange G. **HNO** 1982 Mar;30(3):114–5 **(Ger)**

[Memorial presentation on the 150th birthday of Richard von Volkmann, the co–founder of the German Society of Surgery] Schober KL. **Langenbecks Arch Chir** 1981; 355:597–606 **(Ger)**

[The meetings of German naturalists and physicians—medals report] Garnerus K. **Naturwissenschaften** 1982 Apr; 69(4):158–61 **(Ger)**

[50th anniversary of the Hungarian Society of Physiology] Banga I. **Orv Hetil** 1981 Dec 13;122(50):3093–6 **(Hun)**

[The transylvanian Medical Society (1833–1836)] Batári G. **Orv Hetil** 1981 Jul 12;122(28):1732 **(Hun)**

[On the centenary of Polish ophthalmological meetings (author's transl)] Orlowski WJ. **Klin Oczna** 1981 Oct–Dec; 83(10–12):465–6 (Eng. Abstr.) **(Pol)**

[An outline of the history of the Warsaw Medical Society on the 160th anniversary of its founding] Rozwadowska–Dowzenko M, et al. **Pol Tyg Lek** 1982 Apr 19;37(7):211–4 **(Pol)**

[Society of Physicians and Naturalists of Jassy on its 150th anniversary (1830–1980)] Bădărău GH, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):601–11 (Eng. Abstr.) **(Rum)**

[Jubilee scientific session: 'The medicine of progress and medical humanism'. 150 years of activity of the Society of Physicians and Naturalists of Jassy (1830–1980). Jassy, 4 October 1980] Bădărău Gh. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):613–24 (Eng. Abstr.) **(Rum)**

[The Society of Physicians and Naturalists and the development of biological sciences] Jitariu P. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):636–42 (Eng. Abstr.) **(Rum)**

[Scientific activity in pharmaceutics at the Society of Physicians and Naturalists in Iasi] Năstasă V. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):158–60 **(Rum)**

[The tradition and current status of the relation between medical education and the Society of Physicians and Naturalists] Scripcaru G. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):629–35 (Eng. Abstr.) **(Rum)**

[50th anniversary of the Byelorussian Scientific Medical Society of the obstetricians and Gynecologists] Gerasimovich GI. **Akush Ginekol (Mosk)** 1981 Sep; (9):59–61 **(Rus)**

[Centenary of the charter of the Moscow Hygiene Society] Roshchin AV. **Gig Sanit** 1982 May;(5):48–9 **(Rus)**

[Pedagogical activities of N. I. Pirogov in Kamenets–Podolski and his relations with the Society of Podolia Physicians (on the centenary of Pirogov's death)] Mazurik EV. **Sov Zdravookhr** 1981;(8):66–8 **(Rus)**

[Role of hte medical societies of Moldavia in the development of medical thought in the 2d half of hte 19th and the beginning of the 20th centuries] Popushoi EP. **Sov Zdravookhr** 1982;(1):65–8 **(Rus)**

[Physicians' societies in prerevolutionary Sevastopol] Vere:kina TN. **Sov Zdravookhr** 1982;(6):68–71 **(Rus)**

[Extraordinary cholera congress of the Society of Russian Physicians in memory of N. I. Pirogov] Zikeev PD. **Sov Zdravookhr** 1981;(11):56–9 **(Rus)**

[30th anniversary of the activities of the Estonian branch of the All–Union Society of Forensic Physicians] Lukash AA. **Sud Med Ekspert** 1982 Apr–Jun;25(2):57–9 **(Rus)**

[Centenary of the Pirogov Surgical Society] Kolesov VI. **Vestn Khir** 1982 May;128(5):127–36 **(Rus)**

[Sverdlovsk Province Society of Surgeons (on the 50th anniversary of its founding)] Sakharov MI, et al. **Vestn Khir** 1982 May;128(5):136–7 **(Rus)**

[50 years of the Scientific Society of the Therapeutists of the Ukrainian SSR] Revutskii EL. **Vrach Delo** 1981 Oct; (10):120–1 **(Rus)**

[A letter of Rista Jeremić on the formation of a section of

medical and pharmacy history in the Serbian Medical Society in Belgrade dated 12 February 1959] Pavlović BB. **Srp Arh Celok Lek** 1981 Jul;109(7):955–8 **(Sec)**

[A chronicle. The Mexican Association of Gastroenterology] Ramos P. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):71–3 contd **(Spa)**

ORGANIZATION & ADMINISTRATION

A county sports medicine committee. The Albuquerque experience. Sweetser ER, et al. **Am J Sports Med** 1982 May–Jun;10(3):184–7

Assurance. Ankeney JL. **Ann Thorac Surg** 1981 Sep; 32(3):222–9

Ahpa: past, present, future. Riggs GE. **Arthritis Rheum** 1982 Jun;25(6):704–5

150 years of the British Medical Association. Annual Report of Council 1981–1982. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1–32

The BMA's trade union structure—four years on. Ellis N. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):71–2

Dr. W.D.S. Thomas: the past president looks back [interview by David Woods] Thomas WD. **Can Med Assoc J** 1981 Oct 15;125(8):898–903

The American Medical Women's Association and today's practicing woman physician. Harlin V. **Conn Med** 1981 Aug;45(8):493–4

Association of Professors of Dermatology. Everett MA. **Int J Dermatol** 1981 Oct;20(8):548–9

Dr. P. O. Hooper—father of Arkansas medicine. Henker FO, et al. **J Arkansas Med Soc** 1981 Oct;78(5):189–92

The Florida Medical Association's involvement in health care financing. Hayes CP Jr. **J Fla Med Assoc** 1982 Mar; 69(3):190–4

[Organized medical bodies and paramedical personnel] Peyresblanques J. **Annee Ther Clin Ophtalmol** 1980; 31:353–64 **(Fre)**

[Council for coordinating the activities of medical societies] Sil'chenko VS. **Sov Zdravookhr** 1982;(6):35–7 (Eng. Abstr.) **(Rus)**

TRENDS

Quo tendimus. Melick WF. **J Urol** 1981 Sep;126(3):288–90

[Current trends and prospects of the Society of Physicians and Naturalists] Pirozynski T. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec;84(4):643–8 (Eng. Abstr.) **(Rum)**

SOCIETIES, NURSING

A report on the AANA Manpower Study—Part I. Graham-Moore BE. **AANA J** 1982 Jun;50(3):239–52

Help for the helper. What the SNAs are doing in Georgia. Dilday RC. **Am J Nurs** 1982 Apr;82(4):581–2

Help for the helper. What the SNAs are doing in Maryland. Ensor BE. **Am J Nurs** 1982 Apr;82(4):581

Help for the helper. What the SNAs are doing in Ohio. Harakal BM. **Am J Nurs** 1982 Apr;82(4):582–3

Help for the helper. What the SNAs are doing in Tennessee. Heins M, et al. **Am J Nurs** 1982 Apr;82(4):583–4

Association of operating room nursing. Pre-Congress issue. **AORN J** 1982 Feb;35(3):320–616

Membership survey provides guidance in planning services. Manuel BJ. **AORN J** 1981 Dec;34(6):1126–7

ICN watchword 1981–1985. Anstey O. **Int Nurs Rev** 1981 Sep–Oct;28(5):151

Six days, six thousand nurses, and the next one hundred years. Styles MM. **Int Nurs Rev** 1981 Sep–Oct;28(5):143–50

ORGANIZATION & ADMINISTRATION

Jerry Peers to retire in 1983. **AORN J** 1981 Sep;34(3):371–2

Towards professional autonomy: a commentary on 'Expectations and disappointments' in development of the Royal College of Nursing. Towell D. **J Adv Nurs** 1981 Nov;6(6):497–501

SOCIETIES, PHARMACEUTICAL

A3HP Research and Education Foundation dedicates the Donald E. Francke Memorial Library. **Am J Hosp Pharm** 1982 Jul;39(7):1206–10

Access to generic drugs in the 1950s: the politics of a social problem. Facchinetti NJ, et al. **Am J Public Health** 1982 May;72(5):468–75

The mail order pharmacy case: APhA's major antitrust victory. Jawaid A. **Am Pharm** 1981 Oct;21(10):54–7

[Development and tasks of the Pharmaceutical Society of East Germany] Wagner G. **Cesk Farm** 1981 Jun;30(5):147–9 **(Cze)**

ORGANIZATION & ADMINISTRATION

A beginning, a continuation. 1981 annual report. **Am Pharm** 1982 Jul;22(7):37–58

STANDARDS

Systematic self-assessment by a state society of hospital pharmacists. Cronk JD. **Am J Hosp Pharm** 1982 Jun; 39(6):1045–6

SOCIETIES, SCIENTIFIC

List of current members of the American Association of Physical Anthropologists. **Am J Phys Anthropol** 1981 Dec; 56(4):537–51

Charter members of the American Association of Physical Anthropologists. Spencer F, et al. **Am J Phys Anthropol** 1981 Dec;56(4):531–5

Directory: Genetics Society of America. **Genetics** 1982 Jan; 100(1 Pt 2 Suppl):S96–138

Profile of AVMA-certified foreign graduates. Gloyd J, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):435–6

Society for Experimental Biology & Medicine. **Proc Soc Exp Biol Med** 1981 Dec;168(3):D-1–107

Committee report. Publication recommendations for electrodermal measurements. Fowles DC, et al. **Psychophysiology** 1981 May;18(3):232–9

Committee report. Publication guidelines for heart rate studies in man. Jennings JR, et al. **Psychophysiology** 1981 May;18(3):226–31

A regional study of sources of apathy toward membership in the American Society of Radiologic Technologists. Rasmussen R, et al. **Radiol Technol** 1980 Nov–Dec; 52(3):285–9

Science: its place in AAAS. Carey WD. **Science** 1980 Jul 4;209(4452):24–5

The next 100 years of Science. Mosteller F. **Science** 1980 Jul 4;209(4452):21–3

Frank Press takes exception to NAS panel recommendations on marijuana [news] Walsh J. **Science** 1982 Jul 16; 217(4556):228–9

Members: American Clinical and Climatological Association. **Trans Am Clin Climatol Assoc** 1981;93:vii–xxiii

The coming of age of the society (Presidential address). Keller KH. **Trans Am Soc Artif Intern Organs** 1981; 27:720–2

BVA policy on animal experimentation. Seamer JH. **Vet Rec** 1982 Mar 13;110(11):241–4

[List of members] **Bull Assoc Anat (Nancy)** 1981 Mar; 65(188):21–52 **(Fre)**

[Structure of nomenclature committees] Preuss F. **Anat Histol Embryol** 1981;10(3):275–9 **(Ger)**

[Results and problems of collaboration between the medico-scientific societies of countries in the socialist community from 1966–1979] Rohland L. **Sante Publique (Bucur)** 1981;24(2–3):133–48 (Eng. Abstr.) **(Ger)**

HISTORY

The early days of European Developmental Biology Organisation (E.D.B.O.). Skreb N, et al. **Anat Anz** 1981; 150(4):443–8

Prometheus and Pandora—cancer research on our Diamond Anniversary: Presidential Address. American Association for Cancer Research. Weinhouse S. **Cancer Res** 1982 Sep; 42(9):3471–4

75 years of dedication and progress: American Dairy Science Association. **J Dairy Sci** 1981 Jun;64(6):875–1526

The American Dairy Science Association: the third twenty-five years, 1957—1981. Trout GM. **J Dairy Sci** 1981 Jun;64(6):876–99

History of the American Society for Photobiology (ASP). The first 10 years, and before. Smith KC. **Photochem Photobiol** 1982 May;35(5):597–614

Science: the struggle for survival, 1880 to 1994. Kohlstedt SG. **Science** 1980 Jul 4;209(4452):33–42

Science and James McKeen Cattell, 1894 to 1945. Sokal MM. **Science** 1980 Jul 4;209(4452):43–52

Science in transition, 1946 to 1962. Walsh J. **Science** 1980 Jul 4;209(4452):52–

Science: a memoir of the 1960's and 1970's. Wolfle D. **Science** 1980 Jul 4;209(4452):57–60

[Report on a special scientific meeting for the observance of the 150th anniversary of the Nederlands Tijdschrift voor Geneeskunde Association] **Ned Tijdschr Geneeskd** 1982 Jan 2;126(1):33–8 **(Dut)**

[The meetings of German naturalists and physicians—medals report] Garnerus K. **Naturwissenschaften** 1982 Apr; 69(4):158–61 **(Ger)**

[Society of Physicians and Naturalists of Jassy on its 150th anniversary (1830–1980)] Bădărău GH, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):601–11 (Eng. Abstr.) **(Rum)**

[Jubilee scientific session: 'The medicine of progress and medical humanism'. 150 years of activity of the Society of Physicians and Naturalists of Jassy (1830–1980). Jassy, 4 October 1980] Bădărău Gh. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):613–24 (Eng. Abstr.) **(Rum)**

[The Society of Physicians and Naturalists and the development of biological sciences] Jitariu P. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):636–42 (Eng. Abstr.) **(Rum)**

[The tradition and current status of the relation between medical education and the Society of Physicians and Naturalists] Scripcaru G. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec; 84(4):629–35 (Eng. Abstr.) **(Rum)**

TRENDS

[Current trends and prospects of the Society of Physicians and Naturalists] Pirozynski T. **Rev Med Chir Soc Med Nat Iasi** 1980 Oct–Dec;84(4):643–8 (Eng. Abstr.) **(Rum)**

SOCIOECONOMIC FACTORS

Some observations and comments on the psychosocial profile of first-ever referrals to the psychiatric hospital, Enugu, Nigeria. Ihezue UH. **Acta Psychiatr Scand** 1982 May; 65(5):355–64

Changing trends in ischemic heart disease: relations to cohort experience and economic trends in industrial countries. Eyer J. **Adv Cardiol** 1982;29:50–5

Socio-economic and cultural factors in ischaemic heart disease. Marmot MG. **Adv Cardiol** 1982;29:68–76

The epidemiologic importance of psychosocial factors in longevity. Cohen JB, et al. **Am J Epidemiol** 1981 Oct; 114(4):451–61 (77 ref.)

Single-father caretakers: demographic characteristics and adjustment processes. Chang PN, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):236–43

Sociopsychological determinants of women's breast-feeding behavior: A replication and extension. Entwisle DR, et al. **Am J Orthopsychiatry** 1982 Apr;52(2):244–60

Endemic stress: the psychology of resignation and the politics of scarcity. Fried M. **Am J Orthopsychiatry** 1982 Jan; 52(1):4–19

An ecological intervention with adolescents in low-income families. Kraft SP, et al. **Am J Orthopsychiatry** 1982 Jan; 52(1):131–40

Psychological recovery in low-income single parents. Miller JB. **Am J Orthopsychiatry** 1982 Apr;52(2):346–52

National study of health and growth: social and family factors and obesity in primary schoolchildren. Rona RJ, et al. **Ann Hum Biol** 1982 Mar–Apr;9(2):131–45

National study of health and growth: social and family factors and overweight in English and Scottish parents. Rona RJ, et al. **Ann Hum Biol** 1982 Mar–Apr;9(2):147–56

Economic antecedents of child abuse and neglect. Steinberg LD, et al. **Child Dev** 1981 Sep;52(3):975–85

Psychiatric profiles of adolescents in pre-revolutionary Iran. Aminian H, et al. **Child Psychiatry Hum Dev** 1981 Winter; 12(2):106–20

Does dietary health education reach only the privileged? The Stanford Three Community Study. Fortmann SP, et al. **Circulation** 1982 Jul;66(1):77–82

Teacher nominations and peer evaluations in the identification of socioemotional at-risk students. Tyne TF, et al. **Except Child** 1981 Sep;48(1):66–8

The influence of three socio-economic factors on body height in Polish military conscripts. Bielicki T, et al. **Hum Biol** 1981 Dec;53(4):543–55

Polar types of reported drug involvement among Israeli youth. Shoham SG, et al. **Int J Addict** 1981 Oct; 16(7):1161–7

Socio-economic class differences in cancer incidence in Cali, Colombia. Cuello C, et al. **Int J Cancer** 1982 Jun 15; 29(6):637–43

Socioeconomic status, IQ, and delinquency. Moffitt TE, et al. **J Abnorm Psychol** 1981 Apr;90(2):152–6

Personality patterns of delinquent females: ethnic and sociocultural variations. Gibbs JT. **J Clin Psychol** 1982 Jan; 38(1):198–206

Race and socioeconomic status as confounding variables in the accurate diagnosis of alcoholism. Luepnitz RR, et al. **J Clin Psychol** 1982 Jul;38(3):665–9

Bias in a neuropsychological test classification related to education, age, and ethnicity. Adams RL, et al. **J Consult Clin Psychol** 1982 Feb;50(1):143–5

Relationship of mortality to socioeconomic status and some other factors in Sydney in 1971. Fisher S. **J Epidemiol Community Health** 1978 Mar;32(1):41–6

Sociocultural determinants of the help-seeking behavior of patients with mental illness. Lin KM, et al. **J Nerv Ment Dis** 1982 Feb;170(2):78–85

Effectiveness of breast self-examination teaching to women of low socioeconomic class. McLendon MS, et al. **JOGN Nurs** 1982 Jan–Feb;11(1):7–10

The effect of rapid socio-economic development on the frequency of leprosy in a population. Saikawa K. **Lepr Rev** 1981 Dec;52 Suppl 1:167–75

Family size, ordinal position, socio-economic status and child development: a report from the Dunedin Multidisciplinary Child Development Study. Silva PA, et al. **NZ Med J** 1982 Jun 9;95(709):371–3

Milk and lactation: some social and developmental correlates among 1,000 infants. Young HB, et al. **Pediatrics** 1982 Feb; 69(2):169–75

An attempt at measuring the impact of sanitation and economics on health: a reanalysis of the Colombian National Health Survey. Greenland S, et al. **Public Health** 1981 Sep;95(5):264–72

Food science and nutrition: the gulf between rich and poor. Hulse JH. **Science** 1982 Jun 18;216(4552):1291–4

Socioeconomic differentiation in health knowledge of primary schoolchildren. Owie I. **Trop Doct** 1982 Jul; 12(3):139–40

International data: their use in showing relationships between socioeconomic and demographic variables. Dellaportas G. **World Health Stat Q** 1981;34(2):110–26 **(Eng, Fre)**

Growth of the second metacarpal in Chinese children from different socioeconomic strata. Low WD, et al.

Z Morphol Anthropol 1980;71(3):250–8
[Some non-medical aspects of the antivenereal campaign (author's transl)] Pokorný M. **Cesk Dermatol** 1981 Dec; 56(6):391–5 (Eng. Abstr.) **(Cze)**
[Long-term study of newborn infants at risk and a control group. Social conditions in the families of the children at 12 months of age] Kahuda F, et al. **Cesk Pediatr** 1982 Jun; 37(6):340–4 (Eng. Abstr.) **(Cze)**
[Social integrations related to institutionalized and noninstitutionalized forms of care of elderly people] Zimmermann R, et al. **Aktule Gerontol** 1981 Jul;11(4):141–3 (Eng. Abstr.) **(Ger)**
[Growth and development of urban children with respect to sociodemographic factors] Pantó E. **Anthropol Anz** 1982 Mar;40(1):33–44 (Eng. Abstr.) **(Ger)**
[Life prolongation as the duty and limit of the physician's task from the philosophical and economic view] Koslowski P. **Med Welt** 1981 Nov 27;32(48):1811–4 **(Ger)**
[The social infrastructure of patients with urinary calculi (author's transl)] Zechner O, et al.
Wien Klin Wochenschr 1981 Oct 30;93(20):635–8 (Eng. Abstr.) **(Ger)**
[Behavior disorders in school children in connection with child rearing style, ecological and social structural variables] Perrez M, et al. **Z Klin Psychol Psychother** 1981; 29(2):141–57 **(Ger)**
[Socio-medical aspects of diabetes mellitus in old age. Experience in southeast Hungary] Iványi J.
Z Psychosom Med Psychoanal 1981 Jul–Sep;27(3):291–3 **(Ger)**
[Some sex-specific problem under especially consideration of demographic and social-economic aspects (author's transl)] Brännström M, et al. **ZFA (Dresden)** 1981; 36(2):143–7 (Eng. Abstr.) **(Ger)**
[Health and socioeconomic status of elderly Bedouins in Libya] Klepacki Z, et al. **Wiad Lek** 1981 Aug 15; 34(16):1341–8 (Eng. Abstr.) **(Pol)**
[Down's syndrome as a psychological and social problem for the family] Cernay J, et al. **Cesk Pediatr** 1981 Sep; 36(9):541–4 (Eng. Abstr.) **(Slo)**
[Some social factors in exogenous and genetically-conditioned minimal mental retardation (author's transl)] Frank V. **Cesk Psychiatr** 1981; 77(4):266–70 (Eng. Abstr.) **(Slo)**

SOCIOLOGY

see related
GROUP PROCESSES

Epigenesis and the evolution of social systems. Wilson EO. **J Hered** 1981 Mar–Apr;72(2):70–7
Herd instinct and the foundations of biosociology. Greisman HC. **J Hist Behav Sci** 1979 Oct;15(4):357–69
Medicine and sociology: a parting of the ways. Thomas JE. **J Med Philos** 1981 Nov;6(4):411–21
The relevance of sociobiology for mental illness. Gambill JD. **Perspect Biol Med** 1981 Autumn;25(1):155–65
[Ethology and subversion] Vieira AB. **Agressologie** 1982 Mar; 23(1):1–13 **(Fre)**
[Medicine and sociology] Vuković Z. **Srp Arh Celok Lek** 1980 Sep;108(9):949–59 (Eng. Abstr.) **(Scc)**

EDUCATION

The biopsychosocial model in medical education [letter] **N Engl J Med** 1982 Sep 16;307(12):760–1

TRENDS

[Methodologic aspects of interrelations between social and biologic concepts and present-day ideologic struggle] Metelitsa LV, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):7–12 **(Rus)**

SOCIOLOGY, MEDICAL

The couvade syndrome: an epidemiologic study. Lipkin M Jr, et al. **Ann Intern Med** 1982 Apr;96(4):509–11
Sociopharmacology. McGuire MT, et al.
Annu Rev Pharmacol Toxicol 1982;22:643–61 (75 ref.)
Quality measurement and control in physician decision making: state of the art. Anderson OW, et al.
Health Serv Res 1982 Summer;17(2):125–55 (93 ref.)
The complexities of health education in leprosy. Dharmalingam T, et al. **Int J Health Educ** 1982; 24(3):176–82
Racism, society, and disease: an exploration of the social and biological mechanisms of differential mortality. Cooper R, et al. **Int J Health Serv** 1981;11(3):389–414
The labor process and health: a historical materialist interpretation. Navarro V. **Int J Health Serv** 1982; 12(1):5–29
Black lung: the social production of disease. Smith BE. **Int J Health Serv** 1981;11(3):343–59
Developing forensic psychiatry services for the 80s: the Linköping experiment. Ojesjö L. **Int J Law Psychiatry** 1981;4(1–2):213–8
A retrospective on the 'New Perspective'. Evans R.
J Health Polit Policy Law 1982 Summer;7(2):325–44
Disease causality and politics. Tesh S.
J Health Polit Policy Law 1981 Fall;6(3):369–90
Letter from Germany. Kottow MH. **J Med Ethics** 1982 Mar; 8(1):44–7
The social contexts of aging and drug use: theoretical and methodological insights. Mandolini A.
J Psychoactive Drugs 1981 Apr–Jun;13(2):135–42
The effect of medical institutions on doctor–patient interaction in Costa Rica. Low SM.
Milbank Mem Fund Q 1982 Winter;60(1):17–50
From almshouse to hospital: the shaping of Philadelphia General Hospital. Rosenberg CE.
Milbank Mem Fund Q 1982 Winter;60(1):108–54
On humanism in medicine. Rogers DE. **Pharos** 1981 Fall; 44(4):30–5
Comment on Sune Nyström. Relation of prevention of social problems to virtues and morality. Sundby P.
Scand J Soc Med 1982;10(1):1–2
Secular changes in age-specific cause of death in Sanday, Orkney Islands. Brennan ER. **Soc Sci Med** 1982; 16(2):155–64
Social science and medicine in Spain. Campos J, et al.
Soc Sci Med 1982;16(5):499–503
Ideology: social policy, health and health services: a field of complex interactions. de Kadt E. **Soc Sci Med** 1982; 16(6):741–52
Attitudes of pharmacy students towards psychosocial factors in health care. Hatoum H, et al. **Soc Sci Med** 1982; 16(12):1239–41
The effects of latent social needs on physician utilization by immigrants: a replication study. Honig-Parnass T.
Soc Sci Med 1982;16(5):505–14
The use of unorthodox therapies and marginal practitioners. Kronenfeld JJ, et al. **Soc Sci Med** 1982;16(11):1119–25
Comparative studies of health care systems. Lee RP.
Soc Sci Med 1982;16(6):629–42
The relevance of the history of medicine to an understanding of current change: some comments from the domain of antenatal care. Oakley A. **Soc Sci Med** 1982;16(6):667–74
The structure of readjustment of the disabled: an additional perspective on rehabilitation. Ben-Sira Z.
Soc Sci Med [a] 1981 Sep;15(5):565–80
The ideology of the American medical profession: an attribution perspective. Cafferata GL. **Soc Sci Med [a]** 1981 Sep;15(5):689–99
Social phenomena and the planning of nutrition education programme. Edema JM. **Soc Sci Med [a]** 1981 Sep; 15(5):713–9
A different approach to sociodemographic predictors of satisfaction with health care. Fox JG, et al.
Soc Sci Med [a] 1981 Sep;15(5):557–64
Smoking habits and reported illness in two communities with different systems of social support. Philips BU Jr, et al.
Soc Sci Med [a] 1981 Sep;15(5):625–31
'Tonic', 'fuel' and 'food': social and symbolic aspects of the long-term use of psychotropic drugs. Helman CG.
Soc Sci Med [B] 1981 Oct;15(4):521–33
Indices of social well-being applicable to children–a review. Boyle MH, et al. **Soc Sci Med [E]** 1981 Aug;15(3):161–71
Primary prevention: revolution in the helping professions? Bloom M. **Soc Work Health Care** 1980 Winter;6(2):53–67
[What can the 'clinical medicine-sociology' do for clinical research?] Raspe HH. **Med Klin** 1981 Oct 23;76(22):630–3 **(Ger)**
[Medical sociology and community-centered care of psychic patients. Methodical considerations of a concrete research project (author's transl)] Novak P. **MMW** 1981 Nov 27; 123(48):1855–8 (Eng. Abstr.) **(Ger)**
[Medical sociology in research, science and general practice] Siegrist J. **MMW** 1981 Nov 27;123(48):1839–40 **(Ger)**
[Elementary contingency table analyses for evaluating epidemiological and medical sociological studies] Enke H. **Z Gesamte Hyg** 1982 Apr;28(4):243–9 (Eng. Abstr.) **(Ger)**
[Remarks on the history, philosophy and sociology of medicine] Gutt RW. **Arch Hist Med (Warsz)** 1981; 44(1):85–91 **(Pol)**
[Sociological analysis of the interrelation of work and health] Izutkin AM. **Gig Sanit** 1981 Nov;(11):35–8 **(Rus)**
[Problems in foreign medical sociology] Lisitsyn IuP, et al. **Sov Zdravookhr** 1982;(4):43–7 (9 ref.) **(Rus)**
[Sociological study data for an investigation of working and living conditions of chief physicians of district hospitals and outpatient clinics in rural localities] Shapiro IIa, et al. **Sov Zdravookhr** 1981;(8):44–8 **(Rus)**

EDUCATION

Health and society education in a liberal arts college: a curricular strategy. Rango N. **J Med Educ** 1981 Dec; 56(12):994–1003
[Medical sociology in the frame of medical education] Biefang S, et al. **MMW** 1981 Nov 27;123(48):1859–61 **(Ger)**
[Medical sociology and health educational training of students at the Medical University Szeget] Zalányi S.
Z Gesamte Hyg 1981 Nov;27(11):860–3 (Eng. Abstr.) **(Ger)**

METHODS

Methodological controversies between social and medical sciences. Niklas D. **Soc Sci Med** 1982;16(6):659–65
Natural science and medicine: social science and medicine: some methodological controversies. Strong PM, et al.
Soc Sci Med 1982;16(6):643–57
[Medical sociology--what is it?] Biefang S. **MMW** 1981 Nov 27;123(48):1837–8 **(Ger)**

SOCIOMETRIC TECHNICS

Calculating nurse turnover indices. Duxbury ML, et al.
J Nurs Adm 1982 Mar;12(3):18–24
Indices of social well-being applicable to children–a review. Boyle MH, et al. **Soc Sci Med [E]** 1981 Aug;15(3):161–71

SOCIOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

SODIUM

see related
HYPERNATREMIA
HYPONATREMIA
NATRIURESIS

Effect of sodium ion concentration on transfer RNA conformation in solution studied by Rayleigh light scattering. Patkowski A, et al. **Acta Biochim Pol** 1981; 28(3–4):337–49
The effect of dialysate sodium concentration on body fluid compartment volume, plasma renin activity and plasma aldosterone concentration in chronic hemodialysis patients. Van Stone JC, et al. **Am J Kidney Dis** 1982 Jul;2(1):58–64
Purification technique for enhancement of field desorption mass spectra of phospholipids. Wood GW, et al.
Anal Biochem 1982 May 15;122(2):368–71
Transport of Na+ by monensin across bimolecular lipid membranes. Sandeaux R, et al. **Biochim Biophys Acta** 1982 Jan 4;684(1):127–32
Perspective of Food and Drug Administration on Dietary sodium. Shank FR, et al. **J Am Diet Assoc** 1982 Jan; 80(1):29–35
On the relative lipid membrane permeability of Na+ and Ca2+. A physical basis for the messenger role of Ca2+. Urry DW, et al. **J Biol Chem** 1982 Jun 25;257(12):6659–61
Physician knowledge of sodium content of common foods. Heidrich FE, et al. **J Fam Pract** 1982 Apr;14(4):693–7
American Academy of Pediatrics. Committee on Nutrition. Sodium intake of infants in the United States. **Pediatrics** 1981 Sep;68(3):444–5
Salt and caffeine intake in a 19-month-old child [letter] Rider PS. **Pediatrics** 1982 Apr;69(4):500
Long-term haemodialysis treatment with sodium removal by convection. Locatelli F, et al.
Proc Eur Dial Transplant Assoc 1981;18:146–52
Dietary potassium–sodium imbalance as a factor in the aetiology of primary ruminal tympany in dairy cows. Turner MA. **Vet Res Commun** 1981 Dec;5(2):159–64
[Relation between salt intake and systolic pressure in children and adolescents] André JL, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:9–13 (Eng. Abstr.) **(Fre)**
[Reduction of calcium transfer to body with high sodium dialysate (author's transl)] Sezaki R, et al.
Nippon Jinzo Gakkai Shi 1981 Nov;23(11):1421–5 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effects of calcium and sodium concentrations on atrioventricular conduction: experimental study in rabbit hearts with clinical implications on heart block and slow calcium channel blocking agent usage. Watanabe Y.
Am Heart J 1981 Nov;102(5):883–91
Postural tachycardia syndrome. Reversal of sympathetic hyperresponsiveness and clinical improvement during sodium loading. Rosen SG, et al. **Am J Med** 1982 May; 72(5):847–50
Estimating sodium intake from food consumption data. Pietinen P. **Ann Nutr Metab** 1982;26(2):90–9
The influence of high and low sodium intakes on post-operative antidiuresis. Tindall SF, et al. **Br J Surg** 1981 Sep;68(9):639–44
Blood pressure and sodium excretion in the sinoaortic denervated rat during chronic high and low sodium intake and acute sodium loading. Velasquez MT, et al.
Clin Exp Hypertens [A] 1982;4(3):499–519
The effect of dietary sodium on the blood pressure response to dopamine infusion in the conscious rat. Obika LF, et al. **Clin Sci** 1982 Jul;63(1):93–6
Food choices for lowering sodium intake. Altschul AM, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III116–20
RDA and related tracking systems concerned with sodium. Forbes AL. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III170–5
Sodium intake and essential hypertension. Luft FC, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III14–9 (48 ref.)
Effects of restriction of sodium or administration of fludrocortisone on parotid salivary kallikrein in man. Horwitz D, et al. **J Lab Clin Med** 1982 Jul;100(1):146–54
Effect of sodium intake on biosynthesis of renin. Iwao H, et al. **Jpn Circ J** 1982 May;46(5):506–11
Effects of sodium intake and nephrotoxin dose on acute renal failure in the young rat. Bidani A, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):277–81
Oral electrolyte solutions for infantile diarrhea [letter] Santosham M, et al. **Pediatrics** 1982 Apr;69(4):503–4
[Sodium and postassium intake in infant food compared with requirements of premature and healthy infants (author's transl)] Haschke F, et al. **Wien Klin Wochenschr** 1981 Nov 13;93(21):667–71 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Salt, natriuretic hormone, and hypertension [editorial] Buckalew VM Jr. **Ann Intern Med** 1981 Oct;95(4):511–2
Possible mechanisms of sodium-dependent hypertension: volume expansion or vasoconstriction? Gavras H. **Clin Exp Hypertens [A]** 1982;4(4–5):737–49
Sodium-neural interactions in the development of spontaneous hypertension. Winternitz SR, et al. **Clin Exp Hypertens [A]** 1982;4(4–5):751–60
[Mineral water—a dangerous drinking-water substitute for infants?] Stichel M. **Kinderarztl Prax** 1982 Apr;30(4):203–6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Diurnal and longitudinal variations in human milk sodium and potassium: implication for nutrition and physiology. Keenan BS, et al. **Am J Clin Nutr** 1982 Mar;35(3):527–34
Stability of sodium and potassium in lyophilized quality control serum. A study of data from the Quality Assurance Service Program of the College of American Pathologists. Lawson NS, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):581–9
Ion-selective electrode studies of cell Na components in vascular smooth muscle of WKY and SHR. Friedman SM, et al. **Am J Physiol** 1982 May;242(5):H751–9
Total body sodium, calcium, and chloride measured chemically and by neutron activation in guinea pigs. Sheng HP, et al. **Am J Physiol** 1981 Nov;241(5):R419–22
Breast milk sodium. Koo WW, et al. **Arch Dis Child** 1982 Jul;57(7):500–2
Water sodium and blood pressure in rural school children. Armstrong BK, et al. **Arch Environ Health** 1982 Jul–Aug; 37(4):236–45
Resistive artifacts in liquid-ion exchanger microelectrode estimates of Na+ activity in epithelial cells. Lewis SA, et al. **Biophys J** 1980 Jul;31(1):127–38
Internal K+ and Na+ concentrations and the volume of hypothalamic synaptosomes. Warberg J. **Brain Res** 1981 Sep 14;220(2):309–23
The apparent suppression of Na/K data obtained with ion-selective electrodes is due to junction potential and activity coefficient effects, not bicarbonate binding [letter] Czaban JD, et al. **Clin Chem** 1982 Jul;28(7):1703–6
Cation levels in human breast cyst fluid [letter] Bradlow HL, et al. **Clin Oncol** 1981 Dec;7(4):388–90
Relation of arterial pressure with body sodium, body potassium and plasma potassium in essential hypertension. Beretta-Piccoli C, et al. **Clin Sci** 1982 Sep;63(3):257–70
Effects of D-aldosterone on sodium and potassium concentrations of incubated renal slices—a dual mechanism of action. Osore H. **East Afr Med J** 1981 Dec;58(12):912–21
The role of sodium in food processing. Crocco SC. **J Am Diet Assoc** 1982 Jan;80(1):36–9
Sodium intakes of infants from 1 to 18 months of age. Yeung DL, et al. **J Am Diet Assoc** 1982 Mar;80(3):242–4
Intracellular Na+:K+ ratios in human cancer cells as revealed by energy dispersive x-ray microanalysis. Nagy IZ, et al. **J Cell Biol** 1981 Sep;90(3):769–77
Body composition measurements in normal man: the potassium, sodium, sulfate and tritium spaces in 58 adults. Pierson RN Jr, et al. **J Chronic Dis** 1982;35(6):419–28
Luminal ions and short chain fatty acids as markers of functional activity of the mucosa in ulcerative colitis. Roediger WE, et al. **J Clin Pathol** 1982 Mar;35(3):323–6
Sweat sodium and chloride values [letter] Rosenstein BJ, et al. **J Pediatr** 1982 Jun;100(6):1001–2
False-positive sweat tests [letter] Spigelblatt L, et al. **J Pediatr** 1981 Dec;99(6):1001
The concentration of the elements Zn, Cu, Mg, Fe, Na, K in human amniotic fluid during birth. Anastasiadis P, et al. **J Perinat Med** 1981;9(5):228–34
Intracellular sodium in macula densa cells and renin release. Sottiurai VS, et al. **J Surg Res** 1982 Apr;32(4):401–9
Sodium concentrations in cardioplegic solutions [letter] Dorsey JS. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):635–6
Genetic analysis of renal function in mice. 2. Strain differences in clearances of sodium, potassium, osmolar and free water, and their correlations with body and kidney weight. Hackbarth H, et al. **Lab Anim** 1982 Jan;16(1):27–32
Sodium and potassium levels in Australian processed foods. Maples J, et al. **Med J Aust** 1982 Jul 10;2(1):20–2
Na+ and K+ concentration of rat parotid saliva. Comparison of carbachol and auriculo-temporal stimulation. McTavish D, et al. **Pflugers Arch** 1981 Jul; 391(1):74–7
Biliary Na and K values as an indicator of developing chronic hepatopathies. Drăgulescu N, et al. **Physiologie** 1981 Jan–Mar;18(1):51–5
Preliminary clinical results with sodium-volume modeling of hemodialysis therapy. Gotch FA, et al. **Proc Clin Dial Transplant Forum** 1980;10:12–7
Determination of Na, Br and Cu in resists by neutron activation analysis. Fujinaga K. **Radioisotopes** 1981 Jun; 30(6):325–7
Total [Na+] and [K+] gradient in the pyeloureter. Reimnitz J, et al. **Urol Int** 1981;36(4):235–44
[K, Na, Ca and Mg contents in the diet of Nanjing workers (author's transl)] Zheng GJ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):142–4 (Eng. Abstr.) **(Chi)**
[Sweat electrolyte analysis by pilocarpine iontophoresis] Nielsen OH, et al. **Ugeskr Laeger** 1981 Aug 31; 143(36):2302–6 (Eng. Abstr.) **(Dan)**
[Microflame-photometric estimation of sodium and potassium for testing the purity of inner ear fluids (author's transl)] Giebel W, et al. **Arch Otorhinolaryngol** 1982; 234(1):45–51 (Eng. Abstr.) **(Ger)**
[Potassium and sodium content of hospital general diets—comparison of calculated and analytical values] Herzberger U, et al. **Z Ernahrungswiss** 1982 Jun;21(2):87–97 (Eng. Abstr.) **(Ger)**
[Sodium content of the saliva during certain types of student neuro-emotional work] Ponomarenko II. **Gig Sanit** 1982 May;(5):29–32 (Eng. Abstr.) **(Rus)**
[Determination of the potassium and sodium content of nail plates by flame photometry as a screening test for mucoviscidosis] Antonov MP, et al. **Lab Delo** 1981; (9):532–4 **(Rus)**
[Sodium, potassium, magnesium and calcium distribution in the oocytes of the common frog based on x-ray microanalysis data] Burovina IV, et al. **Tsitologiia** 1982 May;24(5):569–75 (Eng. Abstr.) **(Rus)**
[Sodium and potassium content of various Chilean foods] Alvarez de Araya C, et al. **Arch Latinoam Nutr** 1981 Mar; 31(1):146–55 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Solubilization and reconstitution of an amiloride-inhibited sodium transporter from rabbit kidney medulla. LaBelle EF, et al. **Biochemistry** 1982 May 25;21(11):2693–7
Studies on the role of a humoral sodium-transport inhibitor and the anteroventral third ventricle (AV3V) in experimental low-renin hypertension. Pamnani MB, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):57s–60s
Lipid-soluble toxins thought to be specific for Na+ channels block Ca2+ channels in neuronal cells. Romey G, et al. **Nature** 1982 May 6;297(5861):79–8

BLOOD

The concentrations of trace elements in blood from healthy newborn infants. Meurling S, et al. **Acta Chir Scand** 1981; 147(6):481–5
The assessment of sodium load inflicted by intravenous antibiotics. De Mey C, et al. **Acta Clin Belg** 1981; 36(4):185–90
Net influx and efflux of 22Na in erythrocytes from normotensive offspring of patients with essential hypertension. Henningsen NC, et al. **Acta Med Scand** 1981; 210(1–2):85–91
Plasma Na+–iron concentration or pH as regulator of pancreatic HCO-3 secretion. Raeder M, et al. **Acta Physiol Scand** 1981 May;112(1):19–26
Changes of the intralymphocytic sodium concentration after acute and chronic captopril administration. Santucci A, et al. **Am J Cardiol** 1982 Apr 21;49(6):1513–4
Sodium and potassium measurements: direct potentiometry and flame photometry. MacDonald NF, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):575–7
Intralaboratory analytic precision as estimated from two distinct programs from the College of American Pathologists. Platt R, et al. **Am J Clin Pathol** 1981 Oct; 76(4 Suppl):578–80
Red blood cell sodium content and permeability changes in hemorrhagic shock. Illner HP, et al. **Am J Surg** 1982 Mar; 143(3):349–55 (73 ref.)
Why plasma electrolytes? Morgan DB. **Ann Clin Biochem** 1981 Sep;18(Pt 5):275–80
Association between rise in serum sodium and central pontine myelinolysis. Norenberg MD, et al. **Ann Neurol** 1982 Feb; 11(2):128–35
Total Na(+)- and K(+)-fluxes in erythrocytes of spontaneously and one-kidney Goldblatt hypertensive rats. Knorr A. **Arch Int Pharmacodyn Ther** 1981 Sep; 253(1):148–53
Salt appetite and intravascular volume depletion following colloid dialysis in hamsters. Fitts DA, et al. **Behav Neural Biol** 1982 Jan;34(1):75–88
Similarities in the mechanisms by which formyl-methionyl-leucyl-phenylalanine, arachidonic acid and leukotriene B4 increase calcium and sodium influxes in rabbit neutrophils. Molski TF, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):227–32
The relationship between sodium transport and Na+, K+ ATPase in human erythrocytes. Cumberbatch M, et al. **Biochem Med** 1981 Aug;26(1):60–6
Lithium-induced changes in sodium-lithium countertransport. Ehrlich BE, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2539–43
Anion-dependent sodium ion conductance of platelet plasma membranes. Nelson PJ, et al. **Biochemistry** 1981 Jul 21; 20(15):4246–9
Study on the dehydrating effect of the red cell Na+/K+-pump in nystatin-treated cells with varying Na+ and water contents. Clark MR, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):422–32
Biphasic effect of orthophosphate on the (Na, K)-pump of human red cells. Mercer RW, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):63–70
Li–Na countertlow in families of schizo-affective patients. Shaughnessy R, et al. **Biol Psychiatry** 1982 May;17(5):631–3
Failure of desmopressin to lower serum sodium or prevent crisis in patients with sickle cell anemia. Charache S, et al. **Blood** 1981 Nov;58(5):892–6
Assessment of red cell sodium transport in essential hypertension. Mahoney JR, et al. **Blood** 1982 Feb; 59(2):439–42
Hyponatraemia as a marker for high renin heart failure. Levine TB, et al. **Br Heart J** 1982 Feb;47(2):161–6
The early and late effects of digoxin treatment on the sodium transport, sodium content and Na+K+- ATPase or erythrocytes. Cumberbatch M, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):565–70
Sodium-potassium cotransport activity as genetic marker in essential hypertension. Davidson JS, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):539–41
Changes in serum anion gap and sodium level in monoclonal gammopathies. Nanji AA, et al. **Can Med Assoc J** 1982 Jul 1;127(1):32–5
Evidence for formation of bicarbonate complexes with Na+ and K+ under physiological conditions [letter] Coleman RL, et al. **Clin Chem** 1981 Nov;27(11):1938–9
Sodium ion binding in human serum. Kissel TR, et al. **Clin Chem** 1982 Mar;28(3):449–52
Potentiometric analysis for sodium and potassium in biological fluids. Langhoff E, et al. **Clin Chem** 1982 Jan; 28(1):170–2
Determination of sodium with ion-selective electrodes. Levy GB. **Clin Chem** 1981 Aug;27(8):1435–8
A multilaboratory-evaluated reference method for the determination of serum sodium. Schaffer R, et al. **Clin Chem** 1981 Nov;27(11):1824–8
A kinetic expression for sodium-lithium countertransport in human red cells. Smith JB, et al. **Clin Chim Acta** 1982 Jul 15;122(3):337–43
A reproducible sodium-lithium countertransport assay: the outcome of changing key laboratory parameters. Smith JB, et al. **Clin Chim Acta** 1982 Jul 15;122(3):327–35
Methodological assessment of assays for red cell sodium concentration and sodium-dependent lithium efflux. Trevisan M, et al. **Clin Chim Acta** 1981 Nov 11; 116(3):319–29
Effects of change in body posture on plasma and serum electrolytes in normal subjects and in primary aldosteronism. Sonkodi S, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):613–20
Intralymphocytic sodium concentration: a sensitive index to identify young subjects at risk of hypertension. Ambrosioni E, et al. **Clin Exp Hypertens** 1981;3(4):675–91
Na countertransport and cotransport in human red cells: function, dysfunction, and genes in essential hypertension. Canessa M, et al. **Clin Exp Hypertens** 1981;3(4):783–95
Familial aggregation of cation transport abnormalities and essential hypertension. Cusi D, et al. **Clin Exp Hypertens** 1981;3(4):871–84
Furosemide and bumetanide-sensitive Na+ fluxes in erythrocytes from genetically hypertensive rats (SHR). De Mendonca M, et al. **Clin Exp Hypertens** 1981;3(4):885–95
Abnormal erythrocyte Na+ K+ cotransport system, a proposed genetic marker of essential hypertension. Garay RP, et al. **Clin Exp Hypertens** 1981;3(4):851–9
A genetic approach to the geography of hypertension : examination of Na+ - K+ cotransport in Ivory Coast Africans. Garay RP, et al. **Clin Exp Hypertens** 1981; 3(4):861–70
Comparison of outward and inward Na+/K+ cotransport-mediated fluxes in erythrocytes of essential hypertensive patients. Preliminary results. Ghione S, et al. **Clin Exp Hypertens** 1981;3(4):809–14
The effect of antihypertensive therapy on abnormal leucocyte sodium transport in essential hypertension. Poston L, et al. **Clin Exp Hypertens** 1981;3(4):693–701
Cation fluxes and (Na+ + K+)-activated ATPase activity in erythrocytes of patients with essential hypertension. Swarts HG, et al. **Clin Exp Hypertens** 1981;3(4):831–49
Factors affecting the sodium permeability of rat erythrocytes. Wiley JS, et al. **Clin Exp Hypertens** 1981;3(4):703–12
Racial differences in red cell cation transport and their relationship to essential hypertension. Woods KL, et al. **Clin Exp Hypertens** 1981;3(4):655–62
Red blood cell sodium and potassium after hydrochlorothiazide. Walter U. **Clin Pharmacol Ther** 1981 Sep;30(3):373–7
The relation between membrane cholesterol and phospholipid and sodium efflux in erythrocytes from healthy subjects and patients with chronic cholestasis. Jackson PA, et al. **Clin Sci** 1982 Jan;62(1):101–7
Erythrocyte sodium transport in chronic renal failure. Swaminathan R, et al. **Clin Sci** 1982 May;62(5):489–94
Ki+-Nao+ countertransport in erythrocytes of patients with essential hypertension. Adragna N, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):11s–12s
Intralymphocytic sodium concentration as an index of response to stress and exercise in young subjects with borderline hypertension. Ambrosioni E, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):25s–27s
Relation of arterial pressure with exchangeable and total body sodium and with plasma exchangeable and total body potassium in essential hypertension. Beretta-Piccoli C, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):81s–84s
Blood pressure and plasma sodium and potassium. Bulpitt CJ, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):85s–87s
Increased erythrocyte lithium-–sodium countertransport in essential hypertension: its relationship to family history of hypertension. Canali M, et al. **Clin Sci [Suppl]** 1981 Dec;

61(7):13s–15s

Effects of a low-salt diet and of acute salt loading on blood pressure and intralymphocytic sodium concentration in young subjects with borderline hypertension. Costa FV, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):21s–23s

Relationship between altered Na+–K+ cotransport and Na+–Li+ countertransport in the erythrocytes of 'essential' hypertensive patients. Cusi D, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):33s–36s

Effect of acute and chronic salt loading on erythrocyte 22Na efflux in males with essential hypertension. Myers JB, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):37s–39s

Dietary sodium, erythrocyte sodium concentration, sodium-stimulated lithium efflux and blood pressure. Trevisan M, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):29s–32s

Decrease in serum sodium in response to water intake—a possible predictor of acute renal failure in cirrhosis [letter] Nanji AA, et al. **Dig Dis Sci** 1982 May;27(5):473

Characterization of cation-binding sites on Panulirus interruptus hemocyanin by 43Ca and 23Na NMR. Andersson T, et al. **Eur J Biochem** 1982 Jun 15;125(1):103–8

Sodium status and the renin-angiotensin-aldosterone system in compensated liver disease. Sellars L, et al. **Eur J Clin Invest** 1981 Aug;11(4):299–304

Aging of the erythrocyte. III. Cation content. Bartosz G, et al. **Experientia** 1981 Jul 15;37(7):723–4

Properties of trout HbI in water and ligand linked binding of Na. Airoldi L, et al. **FEBS Lett** 1981 Jul 6;129(2):273–6

Effects of hypophysectomy and replacement therapy with pituitary homogenates or ovine prolactin on serum calcium, sodium, and magnesium concentrations in bullfrog tadpoles. Sasayama Y, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):75–80

Cation fluxes and Na+-K+-activated ATPase activity in erythrocytes of patients with essential hypertension. Swarts HG, et al. **Hypertension** 1981 Nov–Dec;3(6):641–9

Effect of intra amniotic saline and prostaglandin on fibrinolytic activity, prothrombin time and serum electrolytes — a comparative study. Joshi VD, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):167–70

Sodium flux and lipid spectrum in the erythrocyte membrane in essential hypertension. Preiss R, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):105–12

The effect of metabolic inhibition on ion contents and sodium exchange in human lymphocytes. Negendank W, et al. **J Cell Physiol** 1982 Mar;110(3):291–9

Membrane-bound ATP fuels the Na/K pump. Studies on membrane-bound glycolytic enzymes on inside-out vesicles from human red cell membranes. Mercer RW, et al. **J Gen Physiol** 1981 Nov;78(5):547–68

Effects of the plant alkaloid sanguinarine on cation transport by human red blood cells and lipid bilayer membranes. Cala PM, et al. **J Membr Biol** 1982;64(1–2):23–31

Outward sodium and potassium cotransport in human red cells. Garay R, et al. **J Membr Biol** 1981;62(3):169–74

Study of maturation of membrane transport function in red blood cells by X-ray microanalysis. Lee P, et al. **J Membr Biol** 1982;67(2):103–11

Sulfatide role in the sodium pump. Zambrano F, et al. **J Membr Biol** 1981;63(1–2):71–5

Neuropathologic observations in electrolyte-induced myelinolysis in the rat. Kleinschmidt-DeMasters BK, et al. **J Neuropathol Exp Neurol** 1982 Jan;41(1):67–80

The interaction of potassium ions and ATP on the sodium pump of resealed red cell ghosts. Eisner DA, et al. **J Physiol (Lond)** 1981;319:403–18

The magnesium dependence of sodium-pump-mediated sodium-potassium and sodium-sodium exchange in intact human red cells. Flatman PW, et al. **J Physiol (Lond)** 1981 Jun;315:421–46

An analysis of the regulation of sodium excretion during induced changes in plasma sodium concentration in anaesthetized dogs. Gordon D, et al. **J Physiol (Lond)** 1981 May;314:531–45

Internal potassium stimulates the sodium-potassium pump by increasing cell ATP concentration. Sachs JR. **J Physiol (Lond)** 1981;319:515–28

Voltage modulation of Na+/K+ transport in human erythrocytes. Teissie J, et al. **J Physiol (Paris)** 1981 May; 77(9):1043–53

Red blood cell sodium, potassium, and ATP levels during hemorrhagic shock. Kreis DJ Jr, et al. **J Surg Res** 1981 Sep;31(3):225–31

Hypernatremia induced by maximal exercise. Felig P, et al. **JAMA** 1982 Sep 10;248(10):1209–11

Red cell ouabain binding sites, Na+K+-ATPase, and intracellular Na+ as individual characteristics. Schmalzing G, et al. **Life Sci** 1981 Jul 27;29(4):371–81

Red-cell sodium-lithium countertransport and essential hypertension [letter] Aronson PS. **N Engl J Med** 1982 Jul 29;307(5):317

Erythrocyte sodium-potassium-ATPase and sodium transport in obesity. Mir MA, et al. **N Engl J Med** 1981 Nov 19;305(21):1264–8

Increased red-cell sodium-lithium countertransport in normotensive sons of hypertensive parents. Woods JW, et al. **N Engl J Med** 1982 Mar 11;306(10):593–5

Increased sodium-lithium countertransport in erythrocytes of pregnant women. Worley RJ, et al. **N Engl J Med** 1982 Aug 12;307(7):412–6

Racial differences in hypertension-associated red cell sodium permeability. Etkin NL, et al. **Nature** 1982 Jun 17; 297(5867):588–9

Changes in the rate of dopamine synthesis in the posterior pituitary during dehydration and rehydration: relationship to plasma sodium concentrations. Alper RH, et al. **Neuroendocrinology** 1982 Apr;34(4):252–7

Serum sodium abnormalities in children. Gruskin AB, et al. **Pediatr Clin North Am** 1982 Aug;29(4):907–32

Study of the sensitivity of neonates to digoxin: contribution of erythrocyte 86rubidium uptake test. Zannad F, et al. **Pediatr Pharmacol (New York)** 1981;1(3):221–9

Plasma sodium concentration and dehydration [letter] Michell AR. **Vet Rec** 1982 May 8;110(19):457

[The significance of subsequently calculated BBs value in hospital admission screening (author's transl)] Blažej V, et al. **Cas Lek Cesk** 1981 Nov 12;120(45):1372–5 (Eng. Abstr.) (Cze)

[Biological material ion determination using selective electrodes (author's transl)] Skodová Z, et al. **Cas Lek Cesk** 1981 Oct 22;120(42):1283–6 (Eng. Abstr.) (Cze)

[Intracellular sodium and calcium as a genetic marker in essential hypertension] Dorst KG, et al. **Schweiz Med Wochenschr** 1981 Dec 12;111(50):1964–6 (Eng. Abstr.) (Ger)

[The relationship between lymphocyte sodium content and the renin-angiotensin-aldosterone system in subjects with essential arterial hypertension] Violi F, et al. **Clin Ter** 1981 Nov 15;99(3):277–80 (Eng. Abstr.) (Ita)

[Erythrocyte sodium transport in essential arterial hypertension] Montanari A, et al. **Minerva Nefrol** 1981 Apr–Jun;28(2):113–6 (Eng. Abstr.) (Ita)

[Red-cell sodium content in various hypertensions (author's transl)] Maruyama A, et al. **Nippon Naika Gakkai Zasshi** 1981 Nov 10;70(11):1526–30 (Jpn)

[Sodium and potassium concentrations in the erythrocytes of patients undergoing chronic hemodialysis. (I)—Effects of hemodialysis on the erythrocyte sodium and potassium concentrations (author's transl)] Imada A, et al. **Rinsho Byori** 1982 Jan;30(1):82–6 (Jpn)

[Sodium and potassium concentration in the erythrocytes of patients undergoing chronic hemodialysis. (II).—Effects of extracellular fluid sodium concentration on the erythrocytes sodium and potassium concentration (author's transl)] Imada A, et al. **Rinsho Byori** 1982 Feb; 30(2):199–203 (Jpn)

[Quantitative evaluation of erythrocyte membrane permeability for monovalent cations] Speranskaia NV, et al. **Lab Delo** 1981;(10):592–5 (Eng. Abstr.) (Rus)

[Changes in the sodium and potassium ion content in the plasma and erythrocytes in combined radiation and thermal injuries] Khrebtovich VN. **Radiobiologiia** 1981 Nov–Dec; 21(6):922–5 (Eng. Abstr.) (Rus)

[Total exchangeable sodium in essential hypertension and hypertension with chronic renal insufficiency] Sánchez RA, et al. **Medicina (B Aires)** 1981;41(2):153–6 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Influence of mannitol-induced reduction in CSF Na on nervous and endocrine mechanisms involved in the control of fluid balance. Leksell LG, et al. **Acta Physiol Scand** 1981 May;112(1):33–40

Role of sodium concentration of the cerebrospinal fluid in the salt appetite of sheep. Weisinger RS, et al. **Am J Physiol** 1982 Jan;242(1):R51–63

[Na+] of lateral ventricular cerebrospinal fluid in conscious rabbits before and after osmotic and hypovolemic stimuli. Kapsha JM, et al. **Exp Neurol** 1982 Feb;75(2):332–46

Direct and continuous measurements with an ion-selective electrode of [Na+] in cerebrospinal fluid of conscious rabbits. Kapsha JM. **Exp Neurol** 1982 Feb;75(2):320–31

Electrolyte composition of cerebrospinal fluid in acute acid-base disorders. Javaheri S, et al. **Respir Physiol** 1981 Aug;45(2):141–51

DEFICIENCY

Chronic sodium deficit in the immature rat: its effect on adaptation to sodium excess. Aviv A, et al. **Am J Physiol** 1982 Apr;242(4):E241–7

Synthesis and migration of proteins and glycoproteins in juxtaglomerular cells of sodium-deficient rats. An ultrastructural radioautographic study. Désormeaux Y, et al. **Cell Tissue Res** 1982 Jan;222(1):53–67

Effects of chronic sodium depletion on canine brain renin and cathepsin D activities. Brosnihan KB, et al. **Hypertension** 1982 Sep–Oct;4(5):604–8

Catecholamines and serotonin in the area postrema of normal and sodium-depleted dogs. Brosnihan KB, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-151–4

Sodium deprivation during thiamin deficiency in rats: hormonal, histological, and behavioral responses. Hastings MM, et al. **J Nutr** 1981 Nov;111(11):1955–63

Pseudohypoaldosteronism: severe salt wasting in infancy caused by generalized mineralocorticoid unresponsiveness. Savage MO, et al. **J Pediatr** 1982 Aug;101(2):239–42

The effect on salt appetite and the renin-aldosterone system on replacing the depleted ions to sodium-deficient cattle. Bell FR, et al. **J Physiol (Lond)** 1981;313:263–74

Calcium-dependent secretion of catecholamines from the perfused bovine adrenal medulla by sodium deprivation. Sorimachi M, et al. **Jpn J Physiol** 1981;31(5):753–56

Hypothalamic levels and utilization of noradrenaline and 5-hydroxytryptamine in the sodium-depleted rat. Munaro N, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):1–5

[Adrenal mineralocorticoid function in sodium deficit with adequate or excess water consumption] Shul'ga VA. **Biull Eksp Biol Med** 1982 Apr;93(4):89–91 (Eng. Abstr.) (Rus)

DIAGNOSTIC USE

Sodium sensitivity and resistance in normotensive humans. Luft FC, et al. **Am J Med** 1982 May;72(5):726–36

Discrepancies in bromide numbers during serum cholinesterase phenotyping [letter] Strickland RD, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):315

METABOLISM

Mineralocorticoid escape in man: role of renal prostaglandins. Dürr J, et al. **Acta Endocrinol (Copenh)** 1982 Mar; 99(3):474–80

Changes in intrarenal sodium handling during saluretic treatment in patients with essential hypertension. Roos JC, et al. **Acta Med Scand** 1981;210(1–2):79–84

Plasma aldosterone elevation due to renal sodium wasting in a boy with cystic fibrosis. Haschke F, et al. **Acta Paediatr Scand** 1981 Sep;70(5):763–4

The ultrastructure of the macula densa during altered sodium intake. A morphometric study of the macula densa in the rabbit nephron. Nørgaard T. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Jan; 90(1):67–73

Net sodium and glucose transport in the jejunum, ileum and colon of anaesthetized rats in response to intraluminal theophylline and anionic surfactants. Sund RD, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):65–71

Sodium and water transport in frog skin: effect of indomethacin. Bartha J, et al. **Acta Physiol Acad Sci Hung** 1981;57(1):9–17

Effect of acetylcholine on ion transport in the frog skeletal muscle. Kovács L, et al. **Acta Physiol Acad Sci Hung** 1981; 58(2):93–101

Pitfalls in kinetic studies of multiexponential decay processes with special emphasis on desaturation curves of arterial Na. Ponce Hornos J, et al. **Acta Physiol Lat Am** 1979; 29(4–5):275–83

Specific permeability properties of demyelinated rat nerve fibres. Brismar T. **Acta Physiol Scand** 1981 Oct; 113(2):167–76

Effect of isotonic volume expansion on proximal tubular reabsorption of Na and fluid in the developing rat kidney. Elinder G. **Acta Physiol Scand** 1981 May;112(1):83–8

Cerebral sodium/angiotensin interaction studied by RIA-determination of urinary arginine vasopressin in the hydrated goat. Lishajko F, et al. **Acta Physiol Scand** 1981 Mar;111(3):311–8

Sodium and calcium action potentials in cells derived from a rat medullary thyroid carcinoma. Sand O, et al. **Acta Physiol Scand** 1981 Jul;112(3):287–91

Stimulation of Na influx, Na-K pump activity and DNA synthesis in quiescent cultured cells. Rozengurt E. **Adv Enzyme Regul** 1980;19:61–85

Restriction of hydrogen and sodium ion diffusion in porcine gastric mucin: a concentration dependent phenomenon. Lucas M. **Adv Exp Med Biol** 1982;144:193–5

Isolation of sodium channels from excitable tissues. Barchi RL, et al. **Adv Neurol** 1981;31:377–89

Ionic and gating currents in mammalian myelinated nerve. Chiu SY, et al. **Adv Neurol** 1981;31:313–28

Distribution of sodium and potassium channels in mammalian myelinated nerve. Ritchie JM, et al. **Adv Neurol** 1981; 31:329–42

Pharmacological properties of sodium channels in nerve membranes. Strichartz GR. **Adv Neurol** 1981;31:343–56

Transfer of urea, sodium, and chloride across the perfused human placenta. Dancis J, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):677–81

Roles of the skin and gills in sodium and water exchanges in neotenic urodele amphibians. Baldwin GF, et al. **Am J Physiol** 1982 Jan;242(1):R94–6

Amiloride: a molecular probe of sodium transport in tissues and cells. Benos DJ. **Am J Physiol** 1982 Mar; 242(3):C131–45 (100 ref.)

Sodium-calcium exchange and sarcolemmal enzymes in ischemic rabbit hearts. Bersohn MM, et al. **Am J Physiol** 1982 May;242(5):C288–95

Effects of inhibitors of Na+-coupled ion transport on bile acid uptake by isolated rat hepatocytes. Blitzer BL, et al. **Am J Physiol** 1982 Jul;243(1):G48–53

Segmental analysis of sodium reabsorption during renal vein constriction. Burnett JC Jr, et al. **Am J Physiol** 1982 Jul; 243(1):F19–22

Thermodynamic analysis of active sodium and potassium transport in the frog corneal epithelium. Candia OA, et al. **Am J Physiol** 1982 Jun;242(6):F690–8

Effects of spironolactone and amiloride on corticosteroid-induced changes in colonic function. Charney AN, et al. **Am J Physiol** 1981 Oct;241(4):G300–5

Aldosterone and the enhanced natriuresis of hypertonic infusions in the dog. Childers JW, et al. **Am J Physiol** 1982 Jan;242(1):F30–7

Increased Na+-H+ exchange in brush border vesicles from

dogs with renal failure. Cohn DE, et al. **Am J Physiol** 1982 Sep;243(3):F293–9
Effect of tryptophan on transport properties of newborn rabbit jejunum. Cooke HJ, et al. **Am J Physiol** 1982 Apr; 242(4):G308–12
Neuroendocrine control of Na+ balance in the fiddler crab Uca pugilator. Davis CW, et al. **Am J Physiol** 1982 May; 242(5):R505–13
Vasopressin, theophylline, PGE2, and indomethacin on active Na transport in frog skin: studies with microelectrodes. Els WJ, et al. **Am J Physiol** 1981 Sep; 241(3):F279–88
Insulin stimulation of Na+ transport and glucose metabolism in cultured kidney cells. Fidelman ML, et al. **Am J Physiol** 1982 Jan;242(1):C121–3
Organic acid proton donors decrease intestinal secretion caused by enterotoxins. Forsyth GW, et al. **Am J Physiol** 1981 Sep;241(3):G227–34
Influence of thiopental anesthesia on renal sodium and water excretion in the dog. Gagnon JA, et al. **Am J Physiol** 1982 Sep;243(3):F265–70
cGMP modulation of ileal ion transport: in vitro effects of Escherichia coli heat-stable enterotoxin. Guandalini S, et al. **Am J Physiol** 1982 Jul;243(1):G36–41
Regulation of Na+–Pi cotransport by 1,25-dihydroxyvitamin D3 in rabbit duodenal brush-border membrane. Hildmann B, et al. **Am J Physiol** 1982 May; 242(5):G533–9
ADH–PGE2 interactions in cortical collecting tubule. I. Depression of sodium transport. Holt WF, et al. **Am J Physiol** 1981 Oct;241(4):F452–60
Effect of cholera toxin on cAMP levels and Na+ influx in isolated intestinal epithelial cells. Hyun CS, et al. **Am J Physiol** 1982 Sep;243(3):C107–15
An ATP- and Ca2+-regulated Na+ channel in isolated intestinal epithelial cells. Kimmich GA, et al. **Am J Physiol** 1982 Sep;243(3):C116–23
Amiloride inhibition of the Na+–H+ exchanger in renal microvillus membrane vesicles. Kinsella JL, et al. **Am J Physiol** 1981 Oct;241(4):F374–9
Interrelationships of ion transport in rat submaxillary duct epithelium. Knauf H, et al. **Am J Physiol** 1982 Feb; 242(2):F132–9
Mechanism of Cl- translocation across small intestinal brush-border membrane. I. Absence of Na+–Cl- cotransport. Liedtke CM, et al. **Am J Physiol** 1982 Mar; 242(3):G263–71
Renal hemodynamics and sodium excretion in stroke-prone spontaneously hypertensive rats. Nagaoka A, et al. **Am J Physiol** 1981 Sep;241(3):F244–9
Na+ transport properties of the peritubular membrane of cortical collecting tubule. Natke E Jr, et al. **Am J Physiol** 1982 Jun;242(6):F664–71
Stimulation of pancreatic acinar secretion: increases in cytosolic calcium and sodium. O'Doherty J, et al. **Am J Physiol** 1982 May;242(5):G513–21
Mineralocorticoid activity of 19-nor-DOC and 19-OH-DOC in toad bladder. Perrone RD, et al. **Am J Physiol** 1981 Nov;241(5):E406–9
Stimulation of Na+–Ca2+ exchange in cardiac sarcolemmal vesicles by proteinase pretreatment. Philipson KD, et al. **Am J Physiol** 1982 Sep;243(3):C191–5
Amiloride-sensitive ammonium and sodium ion transport in the blue crab. Pressley TA, et al. **Am J Physiol** 1981 Nov; 241(5):R370–8
Na+-dependent H+ efflux from proximal tubule: evidence for reversible Na+–H+ exchange. Schwartz GJ. **Am J Physiol** 1981 Oct;241(4):F380–5
Energetics of tubular sodium reabsorption sensitive to ethacrynic acid and ouabain. Sejersted OM, et al. **Am J Physiol** 1982 Mar;242(3):F254–60
Relationship among gluconeogenesis, QO2, and Na+ transport in the perfused rat kidney. Silva P, et al. **Am J Physiol** 1982 May;242(5):F508–13
Intracellular Na+ and K+ activities during insulin stimulation of rat soleus muscle. Stark RJ, et al. **Am J Physiol** 1982 Mar;242(3):E193–200
Potassium secretion by cortical collecting tubule: relation to sodium absorption, luminal sodium concentration, and transepithelial voltage. Stokes JB. **Am J Physiol** 1981 Oct; 241(4):F395–402
Na and K transport across the cortical and outer medullary collecting tubule of the rabbit: evidence for diffusion across the outer medullary portion. Stokes JB. **Am J Physiol** 1982 May;242(5):F514–20
Aldosterone and corticosterone binding and effects on Na+ transport in cultured kidney cells. Watlington CO, et al. **Am J Physiol** 1982 Jun;242(6):F610–9
Sodium tracer kinetics and transmembrane flux in tissue-cultured chick heart cells. Wheeler DM, et al. **Am J Physiol** 1982 Sep;243(3):C169–76
Ion contents and other properties of isolated cells from dog tracheal epithelium. Widdicombe JH, et al. **Am J Physiol** 1981 Nov;241(5):C184–92
Maintenance diet and the effects of furosemide on hamsters. Wong R. **Am J Psychol** 1981 Jun;94(2):339–54
Vidicon flame emission spectroscopy of Li+, Na+, and K+ fluxes mediated by acetylcholine receptor in Electrophorus electricus membrane vesicles. Ramseyer GO, et al. **Anal Biochem** 1981 Jul 15;115(1):34–41
Role of induced proteins in insulin-stimulated sodium transport. Cobb MH, et al. **Ann NY Acad Sci** 1981; 372:247–71
Stimulation by insulin of transepithelial sodium transport. Crabbé J. **Ann NY Acad Sci** 1981;372:220–34
Effects of insulin on alkali-cation movements across muscle and epithelial cell membranes. Erlij D, et al. **Ann NY Acad Sci** 1981;372:272–90
Effects of insulin on sodium transport by the amphibian urinary bladder. Klahr S, et al. **Ann NY Acad Sci** 1981; 372:235–46
Hormone-sensitive ion transport systems in erythrocytes as models for epithelial ion pathways. Palfrey HC, et al. **Ann NY Acad Sci** 1981;372:291–308
Control of apical sodium permeability in the toad urinary bladder by aldosterone. Palmer LG, et al. **Ann NY Acad Sci** 1981;372:1–14
Aldosterone-induced synthesis of proteins related to sodium transport in the toad's urinary bladder. Scott WN, et al. **Ann NY Acad Sci** 1981;372:15–29
Induction of amiloride-sensitive sodium transport in the intestines by adrenal steroids. Will PC, et al. **Ann NY Acad Sci** 1981;372:64–78
Collecting duct function and sodium balance. Jamison RL, et al. **Annu Rev Med** 1982;33:241–54
Myocardial membranes: regulation and function of the sodium pump. Akera T, et al. **Annu Rev Physiol** 1982; 44:375–88 (85 ref.)
Electrogenic Na pumping in the heart. Glitsch HG. **Annu Rev Physiol** 1982;44:389–400 (47 ref.)
Sodium–calcium exchange in the heart. Langer GA. **Annu Rev Physiol** 1982;44:435–49 (58 ref.)
Energy-dependent sodium efflux and sodium-dependent alpha-aminoisobutyrate transport in purple photosynthetic bacteria. Knaff DB, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):234–9
The uptake and extrusion of salts by the halotolerant bacterium, Ba1. Shnaiderman R, et al. **Arch Biochem Biophys** 1982 Jan;213(1):177–85
Acetylcholine receptor-mediated sodium ion efflux after rapid hypoosmotic loading of radiotracer. West LK, et al. **Arch Biochem Biophys** 1982 May;215(2):508–13
Racial difference in salivary sodium–potassium ratio in low renin essential hypertension. Adlin EV, et al. **Arch Intern Med** 1982 Apr;142(4):703–6
Ultrastructure and elemental composition of the stapedius muscle in guinea pig. Anniko M, et al. **Arch Otorhinolaryngol** 1981;230(2):109–12
Effects of glycerol on sodium and potassium concentrations in guinea pig perilymph. Kanoh N, et al. **Arch Otorhinolaryngol** 1981;230(2):177–80
Muzzle secretion electrolytes as a possible indicator of sodium status in buffalo (Bubalus bubalis) calves: effects of sodium depletion and aldosterone administration. Kumar S, et al. **Aust J Biol Sci** 1981;34(5–6):561–8
The Na+–K+-pump, energy metabolism, and obesity. Clausen T, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):357–62
Biochemical evidence for pharmacological similarities between alpha-adrenoreceptors and voltage-dependent Na+ and Ca++ channels. Frelin C, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):967–73
A respiration-dependent primary sodium extrusion system functioning at alkaline pH in the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):265–71
Evidence for the existence of regulatory sites for Ca2+ on the Na+/Ca2+ carrier of cardiac mitochondria. Hayat LH, et al. **Biochem J** 1982 Feb 15;202(2):509–18
Intracellular ionic changes in normal and transformed human fibroblasts after extracellular Ca2+ deprivation. Hazelton BJ, et al. **Biochem J** 1981 Mar 15;194(3):707–11
Transport of Ca2+ and Na+ across the chromaffin-granule membrane. Phillips JH. **Biochem J** 1981 Oct 15; 200(1):99–107
Acetylcholinesterase: evidence that sodium ion binding at the anionic site causes inhibition of the second-order hydrolysis of acetylcholine and a decrease of its pKa as well as of deacetylation. Smissaert HR. **Biochem J** 1981 Jul 1;197(1):163–70
The effect of loperamide on the ion fluxes across the isolated rabbit colon. Baker GF, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3371–3
Effects of propranolol and a number of its analogues on sodium channels. Matthews JC, et al. **Biochem Pharmacol** 1982 May 1;31(9):1681–5
The Na+/D-glucose co-transporter of the small-intestinal brush-border membrane. Semenza G. **Biochem Soc Trans** 1982 Feb;10(1):7
Fluorescent and photoactivatable fluorescent derivatives of tetrodotoxin to probe the sodium channel of excitable membranes. Angelides KJ. **Biochemistry** 1981 Jul 7; 20(14):4107–18
Neurotoxins specific for the sodium channel stimulate calcium entry into neuroblastoma cells. Jacques Y, et al. **Biochemistry** 1981 Oct 13;20(21):6219–25
Kinetics of sodium ion induced calcium ion release in calcium ion loaded cardiac sarcolemmal vesicles: determination of initial velocities by stopped-flow spectrophotometry. Kadoma M, et al. **Biochemistry** 1982 Apr 13;21(8):1914–8
Regulation of the monovalent cation permeability of brain mitochondria. Barnard PA, et al. **Biochim Biophys Acta** 1982 Jan 20;679(1):68–74
Sodium channel activity of lobster nerve membrane treated with purified phospholipase A2. Barnola FV. **Biochim Biophys Acta** 1982 Mar 23;686(1):110–8
Acidification and sodium entry in frog skin epithelium. Benos DJ. **Biochim Biophys Acta** 1981 Sep 21;647(1):40–8
Low-affinity Na+ sites on (Na+ +K+)-ATPase modulate inhibition of Na+–ATPase activity by vanadate. Bond GH, et al. **Biochim Biophys Acta** 1982 May 7;687(2):310–4
Glycoprotein characteristics of the sodium channel saxitoxin-binding component from mammalian sarcolemma. Cohen SA, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):253–61
Ion selectivity of the nerve membrane sodium channel incorporated into liposomes. Condrescu M, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):660–6
Electroneutral Na+/dicarboxylic amino acid cotransport in rat intestinal brush border membrane vesicles. Corcelli A, et al. **Biochim Biophys Acta** 1982 Jul 14;689(1):97–105
Slow sodium channel inactivation and the modulated receptor hypothesis: application to phenobarbital. Courtney KR. **Biochim Biophys Acta** 1981 Apr 6;642(2):433–7
The regulation of volume and ion composition in frog skin. Ferreira KT, et al. **Biochim Biophys Acta** 1981 Aug 20; 646(2):193–202
The effects of membrane lipid order and cholesterol on the internal and external cationic sites of the Na+–K+ pump in erythrocytes. Giraud F, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):249–58
Tetrodotoxin receptors in membrane fragments: purification from Electrophorus electricus electroplax and binding properties. Grünhagen HH, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):267–85
23Na+-NMR studies of cation binding to multi-chain and single-chain glycosaminoglycan peptides. Gustavsson H, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):23–31
Aldosterone stimulates Na+ transport without affecting citrate synthase activity in cultured cells. Johnson JP, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):293–6
Evidence against Na+-pump mediation of Ca2+-activated K+ transport and diuretic-sensitive (Na+/K+)-cotransport. Karlish SJ, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):353–5
Fluctuation analysis of Na+ channels modified by batrachotoxin in myelinated nerve. Khodorov BI, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):93–9
Determination of the coupling ratio for Na+ –H+ exchange in renal microvillus membrane vesicles. Kinsella JL, et al. **Biochim Biophys Acta** 1982 Jul 14;689(1):161–4
Inhibition by amiloride of sodium transport into rabbit kidney medulla microsomes. Labelle EF, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):367–78
Rat enterocyte Na+ transport in vitro. Action of parathyroid hormone and calcitonin. Lacour B, et al. **Biochim Biophys Acta** 1981 Nov 6;648(2):151–61
Effects of antidiuretic hormone on kinetic and energetic determinants of active sodium transport in frog skin. Lau YT, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):177–87
A three-state model for inactivation of sodium permeability. Ochs G, et al. **Biochim Biophys Acta** 1981 Jul 20; 645(2):243–52
Ouabain-sensitive 86Rb(K) influx is linked to transepithelial Na transport in pig kidney cell line. Sanders MJ, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):383–5
Phlorizin as a probe of the small-intestinal Na+,D-glucose cotransporter. A model. Toggenburger G, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):557–71
Comparison of kinetic characteristics of Na+–Ca2+ exchange in sarcolemma vesicles and cultured cells from chick heart. Wakabayashi S, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):311–7
Sodium uptake mechanisms in brush-border membrane vesicles prepared from rabbit renal cortex. Warnock DG, et al. **Biochim Biophys Acta** 1982 Jan 4;684(1):137–40
Stimulatory (insulin-mimetic) and inhibitory (ouabain-like) action of vanadate on potassium uptake and cellular sodium and potassium in heart cells in culture. Werdan K, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):79–93
Effect of intracellular sodium on calcium uptake in isolated guinea-pig diaphragm and atria. Yamamoto S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):348–52
Transbilayer movement of 24Na in sonicated phosphatidylcholine vesicles exposed to frequency-modulated microwave radiation. Fisher PD, et al. **Bioelectromagnetics** 1981;2(3):217–25
Biology of the scrotum. II. Suppression by abdominal temperature of transepithelial ion and water transport in the cauda epididymidis. Wong PY, et al. **Biol Reprod** 1982 May;26(4):683–9
Direct high-resolution nuclear magnetic resonance studies of cation transport in vivo, Na+ transport in yeast cells. Balschi JA, et al. **Biophys J** 1982 Jun;38(3):323–6
Novel kinetics in the sodium conductance system predicted by the aggregation model of channel gating. Baumann G. **Biophys J** 1981 Sep;35(3):699–705
Influence of cellular and paracellular conductance patterns on epithelial transport and metabolism. Essig A. **Biophys J** 1982 May;38(2):143–52
The effect of tetramethylammonium on single sodium channel currents. Horn R, et al. **Biophys J** 1981 Nov; 36(2):321–7
Experimental evidence consistent with aggregation kinetics in the sodium current of Myxicola giant axons. Schauf CL, et al. **Biophys J** 1981 Sep;35(3):707–14

Solvent substitution as a probe of channel gating in Myxicola. Effects of D2O on kinetic properties of drugs that occlude channels. Schauf CL, et al. **Biophys J** 1982 Feb; 37(2):441–52

Current-dependent block of nerve membrane sodium channels by paragracine. Seyama I, et al. **Biophys J** 1980 Mar;29(3):531–7

Ionic permeability of K, Na, and Cl in potassium-depolarized nerve. Dependency on pH, cooperative effects, and action of tetrodotoxin. Strickholm A. **Biophys J** 1981 Sep; 35(3):677–97

Stability constant of the 1:1 complex of sodium with guanosine 5'-monophosphate. Walmsley JA, et al. **Biophys J** 1982 Jun;38(3):315–8

A transport model for the (Na+/K+)ATPase in liposomes including the (Na+/K+)-channel function. Anner BM. **Biosci Rep** 1981 Jul;1(7):555–60

Effects of drugs on sodium metabolism. Lee MR. **Br J Clin Pharmacol** 1981 Aug;12(2):103–9

Experimental dissociation of the effects of prostaglandins on renal sodium and water reabsorption by cyclo-oxygenase inhibitors in the rat. Bartoli E, et al. **Br J Pharmacol** 1982 Jul;76(3):357–60

Stimulation of sodium and of chloride transport in epithelia by forskolin. Cuthbert AW, et al. **Br J Pharmacol** 1982 May;76(1):33–5

The human erythrocyte Cl-dependent Na-K cotransport system as a possible model for studying the action of loop diuretics. Ellory JC, et al. **Br J Pharmacol** 1982 Jan; 75(1):183–8

Correlation between catecholamine release and sodium pump inhibition in the perfused adrenal gland of the cat. Garcia AG, et al. **Br J Pharmacol** 1981 Nov;74(3):665–72

Differential effects of ouabain and 2,4-dinitrophenol on contractile tension of and on sodium and calcium efflux from frog heart ventricular strips. Ocampo MC, et al. **Br J Pharmacol** 1981 Oct;74(2):341–51

Age associated changes in sodium, potassium and moisture contents of turkey skeletal muscles and a note on the effects of testosterone and 17-beta-oestradiol. Ranaweera KN, et al. **Br Poult Sci** 1982 May;23(3):195–8

CNS control of active sodium transport in muscle during progressive hypokalemia in the rat. Akaike N. **Brain Res** 1982 May 13;239(2):575–81

Indirect ultrastructural evidence for lithium uptake by cultured rat cerebral cells through the sodium channel. Janka Z, et al. **Brain Res** 1982 Apr 8;237(1):261–6

An early sodium and a late calcium phase in the afterdischarge of peptide-secreting neurons of Aplysia. Kaczmarek LK, et al. **Brain Res** 1982 Apr 22;238(1):105–15

The effect of alpha-, beta adrenergic receptor agonists and antagonists on the efflux of 22Na and uptake of 42K by rat brain cortical slices. Phillis JW, et al. **Brain Res** 1982 Mar 18;236(1):133–42

Ionic behaviors and nerve growth factor dependence in developing embryonic chick ganglia. I. Studies with intact dorsal root ganglia. Skaper SD, et al. **Brain Res** 1982 Mar; 255(3):419–28

Kinetic analysis of [36Cl]-, [22Na]- and [3H]mannitol uptake into the in vivo choroid plexus-cerebrospinal fluid brain system: ontogeny of the blood brain and blood-CSF barriers. Smith QR, et al. **Brain Res** 1982 Feb;255(2):181–98

Flurazepam interaction with sodium and potassium channels in squid giant axon. Swenson RP Jr. **Brain Res** 1982 Jun 10;241(2):317–22

Tetrodotoxin resistant propagation and extracellular sodium changes during spreading depression in rat cerebellum. Tobiasz C, et al. **Brain Res** 1982 Jun 10;241(2):329–33

Effect of acid stress on sodium transport by isolated skins and on osmotic permeability of intact frogs. Fromm PO. **Bull Environ Contam Toxicol** 1981 Aug;27(2):160–6

The influence of 'nonmyoplasmic' sodium on the measured value of the sodium efflux from barnacle muscle. Menard MR, et al. **Can J Physiol Pharmacol** 1981 Dec; 59(12):1219–27

Cation-dependent lysis of chromaffin granules – an alternative hypothesis fro osmotically-driven exocytosis. Geisow MJ, et al. **Cell Biol Int Rep** 1982 Apr;6(4):353–9

Batrachotoxinin-A 20-alpha-benzoate: a new radioactive ligand for voltage sensitive sodium channels. Brown GB, et al. **Cell Mol Neurobiol** 1981 Mar;1(1):19–40

Studies on kallikreins. VII. Effects of kallikrein and some autacoids on in vitro transport of valine and sodium ion. Fujimori H, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan; 30(1):272–9

Increase in intracellular sodium ion activity during stimulation in mammalian cardiac muscle. Cohen CJ, et al. **Circ Res** 1982 May;50(5):651–62

Effects of pH on Na+-Ca2+ exchange in canine cardiac sarcolemmal vesicles. Philipson KD, et al. **Circ Res** 1982 Feb;50(2):287–93

Electrogenic sodium extrusion can stop triggered activity in the canine coronary sinus. Wit AL, et al. **Circ Res** 1981 Oct;49(4):1029–42

The current concept for the cardiac glycoside receptor. Bodemann HH. **Clin Cardiol** 1981 Sep-Oct;4(5):223–8 (43 ref.)

Prediction of the change in extracellular sodium concentration in hyperglycemia complicated by severe losses of water and solute [letter] Tzamaloukas AH. **Clin Chem** 1982 Jul;28(7):1722–4

Pathogenesis of mineralocorticoid hypertension. Schalekamp MA, et al. **Clin Endocrinol Metab** 1981 Nov;10(3):397–418 (59 ref.)

In vitro simulations of peritoneal dialysis: a systematic approach to demonstrating isonatric contraction with sodium dextran sulfate. Harding AD, et al. **Clin Exp Dial Apheresis** 1981;5(3):299–317

Effect of captopril on blood pressure, total body sodium and fluid consumption of genetically hypertensive (GH) and normotensive (N) rats. Ledingham JM, et al. **Clin Exp Hypertens** 1981;3(6):1239–63

Intracellular Na+ as a genetic marker of essential hypertension. Losse H, et al. **Clin Exp Hypertens** 1981; 3(4):627–40

Is a circulating sodium transport inhibitor involved in the pathogenesis of essential hypertension? MacGregor GA, et al. **Clin Exp Hypertens** 1981;3(4):815–30 (62 ref.)

Sodium intake, blood pressure and red cell sodium efflux. Morgan T, et al. **Clin Exp Hypertens** 1981;3(4):641–53

Sodium and human hypertension. Mendlowitz M. **Clin Exp Hypertens [A]** 1982;4(3):333–40

Sodium and water content of feedings for use in infants with diarrhea [letter] **Clin Pediatr (Phila)** 1981 Oct;20(10):676–8

Effect of ouabain and furosemide on erythrocyte sodium and phosphate transport. Walter U. **Clin Pharmacol Ther** 1981 Dec;30(6):709–17

Absence of production of natriuretic factor following acute saline expansion in nephrotic rats. Favre H, et al. **Clin Sci** 1982 Sep;63(3):317–9

Exchangeable sodium in rats with Goldblatt two-kidney one-clip hypertension. McAreavey D, et al. **Clin Sci** 1982 Sep;63(3):271–4

Effect of changes in sodium balance on potassium/aldosterone dose-response curves in the dog. Nicholls MG, et al. **Clin Sci** 1982 Apr;62(4):373–80

Sodium transport on polymorphonuclear leucocytes: effect of isolation by the Ficoll/Triosil method [letter] Poston L, et al. **Clin Sci** 1982 May;62(5):563–4

Sodium transport during the natriuresis of volume expansion; a study using peripheral blood leucocytes. Poston L, et al. **Clin Sci** 1982 Sep;63(3):243–9

Effects of serum from patients with fulminant hepatic failure on leucocyte sodium transport. Sewell RB, et al. **Clin Sci** 1982 Sep;63(3):237–42

Na+ transport across the rabbit corneal endothelium. Lim JJ. **Curr Eye Res** 1981;1(4):255–8

Control of cation transport in cultured glial cells by external Ca++: a possible signal in glial-neuronal interaction. Latzkovits L, et al. **Dev Neurosci** 1982;5(1):92–100

The effect of insulin on renal sodium metabolism. A review with clinical implications. DeFronzo RA. **Diabetologia** 1981 Sep;21(3):165–71 (60 ref.)

In vitro effects of parathyroid hormone on kidney cortical slices: cAMP responses and concomitant inhibition of the Na+ gradient-dependent uptake of phosphate by brush border membrane vesicles isolated from the renal slices. Cheng L, et al. **Endocr Res Commun** 1981-8(2):97–110

The role of Na+-Ca++ exchange in parathyroid hormone secretion. Rothstein M, et al. **Endocrinology** 1982 Jul; 111(1):225–30

How valproate and phenytoin affect the ionic conductances and active transport characteristics of the crayfish giant axon. Nosek TM. **Epilepsia** 1981 Dec;22(6):651–65

Ca2+ transport by intact synaptosomes: the voltage-dependent Ca2+ channel and a re-evaluation of the role of sodium/calcium exchange. Akerman KE, et al. **Eur J Biochem** 1981 Jul;117(3):491–7

The generation of an electrochemical gradient of sodium ions upon decarboxylation of oxaloacetate by the membrane-bound and Na+-activated oxaloacetate decarboxylase from Klebsiella aerogenes. Dimroth P. **Eur J Biochem** 1982 Jan;121(2):443–9

The role of biotin and sodium in the decarboxylation of oxaloacetate by the membrane-bound oxaloacetate decarboxylase from Klebsiella aerogenes. Dimroth P. **Eur J Biochem** 1982 Jan;121(2):435–41

The specificity of the sodium channel for monovalent cations. Frelin C, et al. **Eur J Biochem** 1981 Oct;119(2):437–42

Properties of the interaction of the sodium channel with permeant monovalent cations. Jacques Y, et al. **Eur J Biochem** 1980 May;106(1):71–83

Na+ channels with binding sites of high and low affinity for tetrodotoxin in different excitable and non-excitable cells. Lombet A, et al. **Eur J Biochem** 1982 May; 124(1):199–203

Membrane vesicles as tools to elucidate epithelial cell function. Kinne R, et al. **Eur J Cell Biol** 1981 Oct; 25(2):346–52 (26 ref.)

Whole body measurements of sodium turnover in offspring of patients with sustained essential hypertension. Henningsen NC, et al. **Eur J Nucl Med** 1982;7(5):225–8

Comparative actions of mexiletine on sodium channels in nerve, skeletal and cardiac muscle. Courtney KR. **Eur J Pharmacol** 1981 Aug 27;74(1):9–18

Stimulus-induced changes in extracellular Na+ and Cl- concentration in relation to changes in the size of the extracellular space. Dietzel I, et al. **Exp Brain Res** 1982; 46(1):73–84

Rod photoresponses in the absence of external sodium in retinae treated with phosphodiesterase inhibitors. Torre V, et al. **Exp Brain Res** 1981;44(4):427–30

Na+ movements and their oscillations during fertilization and the cell cycle in sea urchin eggs. Payan P, et al. **Exp Cell Res** 1981 Aug;134(2):339–44

Valinomycin cataract: the relative role of calcium and sodium accumulation. Hightower KR, et al. **Exp Eye Res** 1982 Jun;34(6):941–3

Cation pump activity and membrane permeability in human senile cataractous lenses. Pasino M, et al. **Exp Eye Res** 1982 Jun;34(6):887–93

Na-pump sites in the oviduct of Salamandra salamandra (L.) (Amphibia, Urodela). Greven H. **Experientia** 1981 Jul 15; 37(7):771–2

The effect of Ca2+ -mobilising hormones on the Na+ --K+ pump in isolated rat liver hepatocytes. Capiod T, et al. **FEBS Lett** 1982 May 3;141(1):49–52

The mechanism of sodium efflux in yeast. Rodriguez-Navarro A, et al. **FEBS Lett** 1982 Feb 22; 138(2):205–8

Clonidine and lidamidine (WHR-1142) stimulate sodium and chloride absorption in the rabbit intestine. Durbin T, et al. **Gastroenterology** 1982 Jun;82(6):1352–8

Effects of hypophysectomy and prolactin on sodium balance in the newt, Taricha torosa. Brown SC, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):256–61

Induction and maintenance of mucosal enterokinase activity in proximal small intestine by a genetically determined response to mediated sodium transport. Bett NJ, et al. **Gut** 1981 Oct;22(10):804–11

The influence of asymmetrically distributed Ca2 on Na permeability of bovine brain phospholipid liposomes. Cools AA, et al. **Hoppe Seylers Z Physiol Chem** 1981 Aug; 362(8):1051–8

Elevated glomerular filtration rate in early diabetes may be explained by increased sodium reabsorption secondary to an impairment in renal tubular handling of phosphate. Ditzel J, et al. **Horm Metab Res [Suppl]** 1981;11:87–9

Relationship of vascular sodium-potassium pump activity to intracellular sodium in hypertensive rats. Brock TA, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):43–8

Evidence for an enhanced transmembrane sodium (Na+) gradient induced by aldosterone in the incubated rat tail artery. Friedman SM. **Hypertension** 1982 Mar-Apr; 4(2):230–7

Essential hypertension: sodium-lithium countertransport in erythrocytes from patients and from children having one hypertensive parent. Ibsen KK, et al. **Hypertension** 1982 Sep-Oct;4(5):703–9

Kinetics of active sodium transport in aortas from control and deoxycorticosterone hypertensive rats. Jones AW. **Hypertension** 1981 Nov-Dec;3(6):631–40

Effect of prostaglandin inhibition on the hypertensive action of sodium-retaining steroids. Martin K, et al. **Hypertension** 1981 Sep-Oct;3(5):622–8

Kallikrein inhibitors decrease short-circuit current by inhibiting sodium uptake. Orce GG, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-92–5

Sodium pump activity in arteries of rats with Goldblatt hypertension. Overbeck HW, et al. **Hypertension** 1982 Jan-Feb;4(1):132–9

Function of the sodium pump in arterial smooth muscle in experimental hypertension: role of pressure. Overbeck HW, et al. **Hypertension** 1982 May-Jun;4(3):394–9

Demonstration of a humoral inhibitor of the Na+-K+ pump in some models of experimental hypertension. Pamnani M, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-96–101

Effect of AV3V lesions on development of DOCA-salt hypertension and vascular Na+-pump activity. Songu-Mize E, et al. **Hypertension** 1982 Sep-Oct; 4(5):575–80

Monovalent electrolytes & adenosine triphosphatase correlations in vivo of rat epididymis following irradiation. Gupta GS. **Indian J Biochem Biophys** 1981 Apr;18(2):161–3

Serum and tissue sodium/potassium changes in estrogen treated female albino rats. Hasan W, et al. **Indian J Physiol Pharmacol** 1982 Jan-Mar;26(1):81–4

Salt-its use in animal products- a human health dilemma. Pearson AM, et al. **J Anim Sci** 1982 Jun;54(6):1263–78 (53 ref.)

Regional effects of autonomic agents on ion transport across excised canine airways. Boucher RC, et al. **J Appl Physiol** 1982 Apr;52(4):893–901

Energy coupling of facilitated transport of inorganic ions in Rhodopseudomonas sphaeroides. Hellingwerf KJ, et al. **J Bacteriol** 1982 Jun;150(3):1183–91

Levels of H+ and other monovalent cations in dormant and germinating spores of Bacillus megaterium. Swerdlow BM, et al. **J Bacteriol** 1981 Oct;148(1):20–9

Sodium ion discharge from pig kidney Na+, K+-ATPase Na+-dependency of the E1P-E2P equilibrium in the absence of KCl. Hara Y, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):923–31

Purification of cardiac sarcolemmal vesicles: high sodium pump content and ATP-dependent, calmodulin-activated calcium uptake. Kuwayama H, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1419–26

L-glutamate stimulation of Na+ efflux from brain synaptic membrane vesicles. Chang HH, et al. **J Biol Chem** 1981 Oct 10;256(19):10084–7

Selective phosphorylation of the alpha subunit of the sodium channel by cAMP-dependent protein kinase. Costa MR, et al. **J Biol Chem** 1982 Jul 25;257(14):7918–21

Analysis of neurotoxin and mitogen-stimulated sodium transport in human fibroblasts. Davis MH, et al. **J Biol Chem** 1982 Apr 25;257(8):4356–61

Reconstitution of sodium transport from purified oxaloacetate decarboxylase and phospholipid vesicles. Dimroth P. **J Biol Chem** 1981 Dec 10;256(23):11974–6

Na+ transport by the (Na+)-stimulated adenosine triphosphatase. Forgac M, et al. **J Biol Chem** 1982 May 25;257(10):5652–5

The appearance of voltage-sensitive Na+ channels during the in vitro differentiation of embryonic chick skeletal muscle cells. Frelin C, et al. **J Biol Chem** 1981 Dec 10; 256(23):12355–61

Sodium channel, sodium pump, and sodium-calcium exchange activities in synaptosomal plasma membrane vesicles. Gill DL. **J Biol Chem** 1982 Sep 25; 257(18):10986–90

A sodium requirement for growth, solute transport, and pH homeostasis in Bacillus firmus RAB. Krulwich TA, et al. **J Biol Chem** 1982 Feb 25;257(4):1885–9

Expression of a differentiated transport function in apical membrane vesicles isolated from an established kidney epithelial cell line. Sodium electrochemical potential-mediated active sugar transport. Lever JE. **J Biol Chem** 1982 Aug 10;257(15):8680–86

Furosemide-sensitive salt transport in the Madin-Darby canine kidney cell line. Evidence for the cotransport of Na+, K+, and Cl-. McRoberts JA, et al. **J Biol Chem** 1982 Mar 10;257(5):2260–6

Permeability of canine cardiac sarcoplasmic reticulum vesicles to K+, Na+, H+, and Cl-. Meissner G, et al. **J Biol Chem** 1982 Jul 10;257(13):7704–11

Sodium/proton exchange in mouse neuroblastoma cells. Moolenaar WH, et al. **J Biol Chem** 1981 Dec 25; 256(24):12883–7

Epidermal growth factor induces electrically silent Na+ influx in human fibroblasts. Moolenaar WH, et al. **J Biol Chem** 1982 Jul 25;257(14):8502–6

Quinine inhibition of Na+ and K+ transport provides evidence for two cation/H+ exchangers in rat liver mitochondria. Nakashima RA, et al. **J Biol Chem** 1982 Aug 25;257(16):9252–4

Na+-Ca2+ exchange in inside-out cardiac sarcolemmal vesicles. Philipson KD, et al. **J Biol Chem** 1982 May 10; 257(9):5111–7

Evidence for Na+/H+ antiport in cultured dog kidney cells (MDCK). Rindler MJ, et al. **J Biol Chem** 1981 Nov 10; 256(21):10820–5

(Na+,K+)-cotransport in the Madin-Darby canine kidney cell line. Kinetic characterization of the interaction between Na+ and K+. Rindler MJ, et al. **J Biol Chem** 1982 Mar 10;257(5):2254–9

Evidence that a Na+/Ca2+ antiport system regulates murine erythroleukemia cell differentiation. Smith RL, et al. **J Biol Chem** 1982 Jan 25;257(2):773–80

Reconstitution of the voltage-sensitive sodium channel of rat brain from solubilized components. Tamkun MM, et al. **J Biol Chem** 1981 Nov 25;256(22):11457–63

Characterization of the respiration-dependent Na+ pump in the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1982 Sep 10;257(17):10007–14

The amiloride-sensitive Na+/H+ exchange system in skeletal muscle cells in culture. Vigne P, et al. **J Biol Chem** 1982 Aug 25;257(16):9394–400

Stoichiometry of Na+-succinate cotransport in renal brush-border membranes. Wright SH, et al. **J Biol Chem** 1982 Feb 25;257(4):1773–8

Effects of divalent cations, trypsin, and phospholipases on the passive permeability to sodium of inside-out vesicles from human red cells. Colvin RA, et al. **J Cell Biochem** 1982;18(3):377–91

Phosphate concentration and transport in Ehrlich ascites tumor cells: effect of sodium. Bowen JW, et al. **J Cell Physiol** 1982 Feb;110(2):149–54

Ion regulation in potassium-sensitive mutants of Paramecium tetraurelia. Cronkite DL, et al. **J Cell Physiol** 1982 Mar; 110(3):271–6

The effects of alterations in the external sodium concentration on human leucocyte sodium and potassium transport in vitro. Hilton PJ, et al. **J Cell Physiol** 1981 Nov; 109(2):323–32

Modulations of Na+ transport during the cell cycle of neuroblastoma cells. Mummery CL, et al. **J Cell Physiol** 1982 Jul;112(1):27–34

Effect of H+ on the kinetics of Na+-dependent amino acid transport in Ehrlich ascites tumor cells: evidence for H+ as an alternative substrate. Smith TC, et al. **J Cell Physiol** 1981 Dec;109(3):507–16

Stretch-induced growth of skeletal myotubes correlates with activation of the sodium pump. Vandenburgh HH, et al. **J Cell Physiol** 1981 Nov;109(2):205–14

Inhibition of the serum-dependent, amiloride-sensitive sodium transport pathway in human fibroblasts by extracellular divalent cations. Villereal ML. **J Cell Physiol** 1982 May;111(2):163–70

Influence of sodium homeostasis on dopaminergic modulation of aldosterone, renin, and prolactin secretion in man. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):121–6

Dopamine stimulation of active Na and Cl absorption in rabbit ileum: interaction with alpha 2-adrenergic and specific dopamine receptors. Donowitz M, et al. **J Clin Invest** 1982 Apr;69(4):1008–16

Stimulation of monovalent cation active transport by low concentrations of cardiac glycosides. Role of catecholamines. Hougen TJ, et al. **J Clin Invest** 1981 Nov; 68(5):1207–14

Sodium and chloride transport in the isolated intestine of the earthworm, Lumbricus terrestris (L.). Cornell JC. **J Exp Biol** 1982 Apr;97:197–216

Transport of sodium and potassium across the isolated midgut of the larvae of Tenebrio molitor related to the fine structure of the epithelium. Koefoed BM, et al. **J Exp Biol** 1982 Jun;98:459–63

The effects of calcium on sodium fluxes in the brown trout, Salmo trutta, in neutral and acid water. McWilliams PG. **J Exp Biol** 1982 Feb;96:439–42

Amphotericin B and the elasmobranch rectal gland: implications for the relationship between oxygen consumption and ion transport. Shuttleworth TJ. **J Exp Zool** 1982 Jun 10;221(2):255–8

Tetrodotoxin block of sodium channels in rabbit Purkinje fibers. Interactions between toxin binding and channel gating. Cohen CJ, et al. **J Gen Physiol** 1981 Oct; 78(4):383–411

Kinetics of intramembrane charge movement and sodium current in frog node of Ranvier. Dubois JM, et al. **J Gen Physiol** 1982 Apr;79(4):571–602

Kinetics of the sodium pump in red cells of different temperature sensitivity. Ellory JC, et al. **J Gen Physiol** 1982 Jun;79(6):1115–30

Slowing of sodium channel opening kinetics in squid axon by extracellular zinc. Gilly WF, et al. **J Gen Physiol** 1982 Jun;79(6):935–64

Effect of N-bromoacetamide on single sodium channel currents in excised membrane patches. Patlak J, et al. **J Gen Physiol** 1982 Mar;79(3):333–51

Sodium and potassium fluxes and membrane potential of human neutrophils: evidence for an electrogenic sodium pump. Simchowitz L, et al. **J Gen Physiol** 1982 Mar; 79(3):453–79

Sodium and potassium transport in herpes simplex virus-infected cells. Hackstadt T, et al. **J Gen Virol** 1982 Jun;60(Pt 2):199–207

Effect of ion channel inhibitors on the cytopathogenicity of Entamoeba histolytica. Ravdin JI, et al. **J Infect Dis** 1982 Sep;146(3):335–40

Effects of Na readmission on cellular 45Ca fluxes in Na-depleted guinea pig taenia coli. Aaronson P, et al. **J Membr Biol** 1982;65(1-2):89–98

The significance of changes in thermodynamic affinity induced by aldosterone in sodium-transporting epithelia. Beauwens R, et al. **J Membr Biol** 1982;68(1):11–8

Control of sodium permeability of the outer barrier in toad skin. Bevevino LH, et al. **J Membr Biol** 1982;66(2):97–107

Fluctuation analysis of short-circuit current in a warm-blooded sodium-retaining epithelium: site current, density, and interaction with triamterene. Christensen O, et al. **J Membr Biol** 1982;65(1-2):19–30

Transepithelial Na+ transport and the intracellular fluids: a computer study. Civan MM, et al. **J Membr Biol** 1982; 65(1-2):63–80

Dependence of water movement on sodium transport in kidney proximal tubule: a microperfusion study substituting lithium for sodium. Corman B, et al. **J Membr Biol** 1981; 62(1-2):105–11

Cyclic AMP and intracellular ionic activities in Necturus gallbladder. Diez de los Rios A, et al. **J Membr Biol** 1981; 63(1-2):25–30

Active and passive Na+ fluxes across the basolateral membrane of rabbit urinary bladder. Eaton DC, et al. **J Membr Biol** 1982;67(3):219–29

Action of caerulein, gastrin 17, pentagastrin, and secretin on the active transport of sodium by the frog skin. Greenwell JR, et al. **J Membr Biol** 1981;61(2):91–6

Sodium-coupled amino acid and sugar transport by Necturus small intestine. An equivalent electrical circuit analysis of a rheogenic co-transport system. Gunter-Smith PJ, et al. **J Membr Biol** 1982;66(1):25–39

Effects of bicarbonate on fluid and electrolyte transport by guinea pig and rabbit gallbladder: stimulation of absorption. Heintze K, et al. **J Membr Biol** 1981;62(3):175–81

Properties of sodium and potassium channels of the squid giant axon far below 0 degrees C. Kukita F. **J Membr Biol** 1982;68(2):151–60

Electrical properties of the rabbit urinary bladder assessed using gramicidin D. Lewis SA, et al. **J Membr Biol** 1982; 67(1):45–53

The role of sodium-channel density in the natriferic response of the toad urinary bladder to an antidiuretic hormone. Li JH, et al. **J Membr Biol** 1982;64(1-2):77–89

Analysis of presteady-state Na+ fluxes across the rabbit corneal endothelium. Lim JJ, et al. **J Membr Biol** 1982; 65(3):197–204

Intracellular ionic activities in frog skin. Nagel W, et al. **J Membr Biol** 1981;61(2):127–34

Effect of ouabain, amiloride, and antidiuretic hormone on the sodium-transport pool in isolated epithelia from frog skin (Rana temporaria). Nielsen R. **J Membr Biol** 1982; 65(3):221–6

Effect of amiloride, ouabain and Ba++ on the nonsteady-state Na - K pump flux and short-circuit current in isolated frog skin epithelia. Nielsen R. **J Membr Biol** 1982;65(3):227–34

Aldosterone control of the density of sodium channels in the toad urinary bladder. Palmer LG, et al. **J Membr Biol** 1982;64(1-2):91–102

Ion selectivity of the apical membrane Na channel in the toad urinary bladder. Palmer LG. **J Membr Biol** 1982; 67(2):91–8

Sodium currents in the giant axon of the crab Carcinus maenas. Quinta-Ferreira ME, et al. **J Membr Biol** 1982; 66(3):159–69

Time course of active Na transport and oxidative metabolism following transepithelial potential perturbation in toad urinary bladder. Rosenthal SJ, et al. **J Membr Biol** 1981; 63(3):157–63

Amino acid-dependent sodium transport in plasma membrane vesicles from rat liver. Sips HJ, et al. **J Membr Biol** 1981; 62(3):231–7

Lipid vesicle-mediated alterations of membrane cholesterol levels: effects on Na+ and K+ currents in squid axon. Steele JA, et al. **J Membr Biol** 1981;63(3):191–8

The electrophysiology of rabbit descending colon. I. Instantaneous transepithelial current-voltage relations and the current-voltage relations of the Na-entry mechanism. Thompson SM, et al. **J Membr Biol** 1982;66(1):41–54

Interaction of spin-labeled local anesthetics with the sodium channel of squid axon membranes. Wang HH, et al. **J Membr Biol** 1982;66(3):227–33

22Na+ uptake and catecholamine secretion by primary cultures of adrenal medulla cells. Amy C, et al. **J Neurochem** 1982 Jul;39(1):132–42

Development of ion metabolism in reaggregated brain cell cultures. Marks MJ, et al. **J Neurochem** 1982 Jan; 38(1):101–11

'On' and 'off' responses of K+-induced synaptosomal proline release: involvement of the sodium pump. Nickolson VJ. **J Neurochem** 1982 Jan;38(1):289–92

Pharmacological and electrophysiological characterization of lithium ion flux through the action potential sodium channel in neuroblastoma X glioma hybrid cells. Reiser G, et al. **J Neurochem** 1982 Jul;39(1):228–34

Stimulation of Na+-dependent, veratridine-sensitive synaptosomal amino acid uptakes by serum albumin. Rhoads DE, et al. **J Neurochem** 1982 May;38(5):1305–10

An evaluation of gamma-glutamyl dipeptide derivatives as antagonists of amino acid-induced Na+ fluxes in rat striatum slices. Tal N, et al. **J Neurochem** 1982 Aug; 39(2):574–6

Localization of sodium channels in cultured neural cells. Catterall WA. **J Neurosci** 1981 Jul;1(7):777–83

The effects of capsaicin on intestinal sodium and fluid transport. Monsereenusorn Y. **J Pharmacobiodyn** 1980 Dec; 3(12):631–5

Inferences on the nature of the apical sodium entry site in frog skin epithelium. Benos DJ, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):481–8

Ouabain and tetrodotoxin block the myotonia of skeletal muscle induced with 20,25-diazacholesterol. D'Alonzo AJ, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):401–4

Long-term effects of captopril on cellular sodium content and mechanical properties of aortic smooth muscle from spontaneously hypertensive rats. Ito K, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):520–5

Effects of rubidium on contractility and sodium pump activity in guinea-pig ventricle. Knight RG, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):573–9

Effects of streptozotocin diabetes and insulin treatment on myocardial sodium pump and contractility of the rat heart. Ku DD, et al. **J Pharmacol Exp Ther** 1982 Aug; 222(2):395–400

Kinetics of sodium channel modification by the insecticide tetramethrin in squid axon membranes. Lund AE, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):464–73

Modulation of sodium channels of squid nerve membranes by grayanotoxin I. Seyama I, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):614–24

The involvement of the sodium–potassium pump in postjunctional supersensitivity of the guinea-pig vas deferens as assessed by [3H]ouabain binding. Wong SK, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):163–9

Effects of sodium gradient manipulation upon cellular calcium, 45Ca fluxes and cellular sodium in the guinea-pig taenia coli. Aaronson P, et al. **J Physiol (Lond)** 1981; 319:443–61

The effects of ATP on the interactions between monovalent cations and the sodium pump in dialysed squid axons. Beaugé L, et al. **J Physiol (Lond)** 1981 May;314:457–80

An ATP-dependent sodium–sodium exchange in strophanthidin poisoned dialysed squid giant axons. Beaugé L, et al. **J Physiol (Lond)** 1981 Jun;315:447–60

Surface potentials and sodium entry in frog skin epithelium. Benos D, et al. **J Physiol (Lond)** 1981 Dec;321:163–74

Inhibition by somatostatin of bovine growth hormone secretion following sodium channel activation. Bicknell RJ, et al. **J Physiol (Lond)** 1981 Jul;316:85–96

Stimulation by injected guanosine triphosphate of the sodium efflux in barnacle muscle fibres pre-exposed to aldosterone. Bittar EE, et al. **J Physiol (Lond)** 1981;313:499–511

Sodium efflux in rabbit myocardium: relationship to sodium–calcium exchange. Bridge JH, et al. **J Physiol (Lond)** 1981 Jul;316:555–74

Localization of sodium pump sites in cat pancreas. Bundgaard M, et al. **J Physiol (Lond)** 1981;313:405–14

Chemical modification of sodium channel surface charges in frog skeletal muscle by trinitrobenzene sulphonic acid. Cahalan MD, et al. **J Physiol (Lond)** 1981 Dec;321:127–39

Activation and inactivation characteristics of the sodium

permeability in muscle fibres from Rana temporaria. Collins CA, et al. **J Physiol (Lond)** 1982 Mar;324:297–318

The effect of vagotomy on sodium reabsorption and renin release in anaesthetized dogs subjected to 60 degrees head–up tilt. DiBona GF, et al. **J Physiol (Lond)** 1981 Nov; 320:293–302

Amiloride sensitivity of the transepithelial electrical potential and of sodium and potassium transport in rat distal colon in vivo. Edmonds CJ. **J Physiol (Lond)** 1981;313:547–59

Ions and energy metabolism in duck salt–gland: possible role of furosemide–sensitive co–transport of sodium and chloride. Ernst SA, et al. **J Physiol (Lond)** 1982 Apr; 325:333–52

The effect of vasopressin on renal tubular 22Na efflux in the rat. Fejes–Tóth G, et al. **J Physiol (Lond)** 1981 Sep; 318:1–7

The kinetics of ouabain–sensitive ionic transport in the rabbit carotid artery. Heidlage JF, et al. **J Physiol (Lond)** 1981 Aug;317:243–62

Intestinal bicarbonate secretion in Amphiuma measured by pH stat in vitro: relationship with metabolism and transport of sodium and chloride ions. Imon MA, et al. **J Physiol (Lond)** 1981 May;314:429–43

Development of sodium, calcium and potassium channels in the cleavage–arrested embryo of an ascidian. Takahashi K, et al. **J Physiol (Lond)** 1981 Jun;315:515–29

The electrogenic Na–Ca exchange and the cardiac electrical activity. I—Simulation on Purkinje fibre action potential. Fischmeister R, et al. **J Physiol (Paris)** 1981 Sep; 77(6–7):705–9

Inactivation of the Na permeability in squid giant axons. Gillespie JI, et al. **J Physiol (Paris)** 1981 May;77(9):1087–92

The rise and fall of electrical excitability in the oocyte of Xenopus laevis. Kado RT, et al. **J Physiol (Paris)** 1981 May;77(9):1113–7

Modulation of nerve membrane sodium channels by chemicals. Narahashi T. **J Physiol (Paris)** 1981 May; 77(9):1093–101

Modification of sodium channels in myelinated nerve by Anemonia sulcata toxin II. Ulbricht W, et al. **J Physiol (Paris)** 1981 May;77(9):1103–11

Reconstitution of the sodium channel with partially solubilized lobster nerve membrane. Villegas R, et al. **J Physiol (Paris)** 1981 May;77(9):1077–86

A kinetic interpretation of 'variable' stoichiometry for an electrogenic sodium pump obeying chemiosmotic principles. Chapman JB. **J Theor Biol** 1982 Apr 21; 95(4):665–78

Active sodium transport across the epithelium of the human kidney pelvis. Part 1. Schütz W, et al. **J Urol** 1982 Jul; 128(1):213–6

Interrelation between membrane transport and the contents of alkali metal cations in HeLa cells. Ikehara T, et al. **Jpn J Physiol** 1982;32(1):13–24

Is there any interaction between cadmium and ouabain effects on Na transport? Takada M, et al. **Jpn J Physiol** 1981; 31(1):127–30

Interaction of cadmium, calcium, and amiloride in the kinetics of active sodium transport through frog skin. Takada M, et al. **Jpn J Physiol** 1981;31(3):285–303

Sodium intake and renal responses to captopril in normal man and in essential hypertension. Hollenberg NK, et al. **Kidney Int** 1981 Aug;20(2):240–5

Renal handling of water and sodium in infancy and childhood: a study using clearance methods during hypotonic saline diuresis. Rodriguez–Soriano J, et al. **Kidney Int** 1981 Dec;20(6):700–4

The role of the kidney in sodium homeostasis during maturation. Spitzer A. **Kidney Int** 1982 Apr;21(4):539–45 (79 ref.)

Heterogeneity of the rabbit collecting tubule: localization of mineralocorticoid hormone action to the cortical portion. Stokes JB, et al. **Kidney Int** 1981 Sep;20(3):340–7

Adenosine triphosphate facilitates the Na+–K pump of frog skeletal muscle fibres. Kaibara K, et al. **Kurume Med J** 1981;28(2):113–7

Cation transport in essential hypertension [letter] **Lancet** 1982 Feb 27;1(8270):500–1

Cystic fibrosis: a disorder of calcium–stimulated secretion and transepithelial sodium transport? Sorscher EJ, et al. **Lancet** 1982 Feb 13;1(8268):368–70

Role of a humoral sodium–potassium pump inhibitor in experimental low renin hypertension. Haddy FJ, et al. **Life Sci** 1982 Feb 15–22;30(7–8):571–5

Effects of chronic reserpine pretreatment on myocardial sodium pump and inotropic sensitivity to ouabain in guinea pig heart. Ku DD. **Life Sci** 1982 Jan 18;30(3):277–84

Hormones, salt, hypertension and the interstitium. Is the interstitium the missing link? Lloyd IJ. **Med Hypotheses** 1982 Apr;8(4):413–22

Effect of vasoactive agents on chronic saline loaded anaesthetised rats. Gan EK, et al. **Med J Malaysia** 1981 Jun;36(2):112–5

Light–dependent delta pH and membrane potential changes in halobacterial vesicles coupled to sodium transport. Kamo N, et al. **Membr Biochem** 1982;4(3):175–88

Characterization of the electrogenic sodium channel from rat brain membranes using neurotoxin–dependent 22Na uptake. Matthews JC, et al. **Membr Biochem** 1981; 4(2):71–104

Renal tubular sodium reabsorption and oxygen consumption in the hypothyroid dog. Rosenbaum B, et al. **Metabolism** 1982 Mar;31(3):247–51

Transport of H+, K+, Na+ and Ca++ in Streptococcus. Heefner DL. **Mol Cell Biochem** 1982 Apr 30;44(2):81–106 (300 ref.)

The stimulation of ion fluxes in brain slices by glutamate and other excitatory amino acids. Teichberg VI, et al. **Mol Cell Biochem** 1981 Sep 25;39:281–95 (66 ref.)

Inhibition of voltage–sensitive sodium channels in neuroblastoma cells by antiarrhythmic drugs. Catterall WA. **Mol Pharmacol** 1981 Sep;20(2):356–62

Pharmacological properties of sodium channels in cultured rat heart cells. Catterall WA, et al. **Mol Pharmacol** 1981 Nov;20(3):533–42

The interaction of ervatamine and epiervatamine with the action potential Na+ ionophore. Frelin C, et al. **Mol Pharmacol** 1981 Jul;20(1):107–12

Structure of the saxitoxin binding site at sodium channels in nerve membranes. Exchange of tritium from bound toxin molecules. Strichartz G. **Mol Pharmacol** 1982 Mar; 21(2):343–50

Kinetic analysis of the amiloride–sodium entry site interaction in rabbit colon. Turnheim K, et al. **Mol Pharmacol** 1981 Nov;20(3):543–50

Hepatic sodium–potassium pump in obesity [letter] Martin LF, et al. **N Engl J Med** 1981 Oct 29;305(18):1094–5

Modifier role of internal H+ in activating the Na+–H+ exchanger in renal microvillus membrane vesicles. Aronson PS, et al. **Nature** 1982 Sep 9;299(5879):161–3

Do protons block Na+ channels by binding to a site outside the pore? Campbell DT. **Nature** 1982 Jul 8;298(5870):165–7

Breakdown of cytoskeletal filaments selectively reduces Na and Ca spikes in cultured mammal neurones. Fukuda J, et al. **Nature** 1981 Nov 5;294(5836):82–5

Conversion of the chemical energy of methylmalonyl–CoA decarboxylation into a Na+ gradient. Hilpert W, et al. **Nature** 1982 Apr 8;296(5857):584–5

K+ depletion and Na+ pump density [letter] Lamb JF, et al. **Nature** 1982 Feb 25;295(5851):717–8

Sodium and potassium channels in demyelinated and remyelinated mammalian nerve. Ritchie JM, et al. **Nature** 1981 Nov 19;294(5838):257–9

Similar mode of action of pyrethroids and DDT on sodium channel gating in myelinated nerves. Vijverberg HP, et al. **Nature** 1982 Feb 18;295(5850):601–3

Effects of a new antiarrhythmic compound [2–benzal–1–(2' diisopropyl–amino–ethoxy–imino)–cycloheptane hydrogen fumarate] on the electrophysiological properties of mammalian cardiac cells. Rüdiger HJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov; 317(3):238–44

Hyperglycemia in advanced renal failure: sodium and water metabolism. Tzamaloukas AH, et al. **Nephron** 1982; 31(1):40–4

Ionic currents in the somatic membrane of rat dorsal root ganglion neurons–I. Sodium currents. Kostyuk PG, et al. **Neuroscience** 1981;6(12):2423–30

Ionic mechanisms of alpha–autoinhibition of [3H]noradrenaline secretion in guinea–pig vas deferens: possible role of extracellular sodium. Stjärne L. **Neuroscience** 1981;6(12):2759–71

Modification of sodium channel kinetics by the insecticide tetramethrin in crayfish giant axons. Lund AE, et al. **Neurotoxicology (Park Forest II)** 1981 Oct;2(2):213–29

Distal tubular sodium and calcium transport. Windhager EE, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):873–80

Studies on calcium regulation in relation to sodium–potassium balance in the rabbit lens. Delamere NA, et al. **Ophthalmic Res** 1982;14(3):230–40

Renal oxygen consumption and sodium reabsorption during isotonic volume expansion in the developing rat. Elinder G, et al. **Pediatr Res** 1982 May;16(5):351–3

Effect of cortisone on postnatal development of ion transport in rabbit small intestine. Guiraldes E, et al. **Pediatr Res** 1981 Dec;15(12):1530–2

Plasma renin activity and the response to sodium depletion in salt–losing congenital adrenal hyperplasia. Keenan BS, et al. **Pediatr Res** 1982 Feb;16(2):118–22

Inhibition of Na+ reabsorption in the rat parotid gland by prostaglandin E1 and kallidin: implications for cystic fibrosis. Martinez JR, et al. **Pediatr Res** 1981 Nov; 15(11):1439–42

Intracellular calcium and sodium activity in sheep heart Purkinje fibres. Effect of changes of external sodium and intracellular pH. Bers DM, et al. **Pflugers Arch** 1982 Apr; 393(2):171–8

Identification of potential components of the transport mechanism for Na+ in the hen colon and coprodaeum. Cuthbert AW, et al. **Pflugers Arch** 1982 Feb;392(4):347–51

Activation of active Na transport in sheep Purkinje fibres by external K or Rb ions. Glitsch HG, et al. **Pflugers Arch** 1981 Jul;391(1):28–34

A kinetic analysis of the facilitatory action of adrenaline. Kaibara K, et al. **Pflugers Arch** 1982 Jan;392(3):304–6

A quantitative analysis of the Na+–dependence of Vmax of the fast action potential in mammalian ventricular myocardium. Saturation characteristics and the modulation of a drug–induced INa blockade by [Na+]o. Kohlhardt M. **Pflugers Arch** 1982 Feb;392(4):379–87

Electrogenic sodium pump in rabbit atrio–ventricular node cell. Kurachi Y, et al. **Pflugers Arch** 1981 Oct;391(4):261–6

Electrogenic Na pump evidenced by injecting various Na salts into the isolated A–V node cells of rabbit heart. Kurachi Y, et al. **Pflugers Arch** 1981 Nov;392(1):89–91

Hydraulic permeability coefficient and sodium steady–state luminal concentration of the in vivo perfused rat distal colon. Lückhoff A, et al. **Pflugers Arch** 1981 Oct; 391(4):301–5

Effect of toxins isolated from the venom of the scorpion Centruroides sculpturatus on the Na currents of the node of Ranvier. Meves H, et al. **Pflugers Arch** 1982 Mar; 393(1):56–62

Absorption of Na, H ions and short chain fatty acids from the sheep colon. Rübsamen K, et al. **Pflugers Arch** 1981 Aug;391(2):141–6

Effects of triamterene and its phase I and phase II metabolities on sodium transport of the isolated frog skin. Kramer HJ, et al. **Pharmacology** 1981;23(3):149–55

Effects of diazoxide and hydrochlorothiazide on water permeability and sodium transport in the frog bladder. Marumo F, et al. **Pharmacology** 1982;24(3):175–80

Application of in vivo activation analysis to the compartmental study of sodium in the hand. Cohen–Boulakia F, et al. **Phys Med Biol** 1981 Sep; 26(5):857–65

Active solute transport across frog skin and epithelial cell systems according to the association–induction hypothesis. Ling GN. **Physiol Chem Phys** 1981;13(4):356–82

Obstructive sodium–losing nephropathy—a case report and review. Nunn PP, et al. **Postgrad Med J** 1981 Jan; 57(663):50–3

Na+ channels in pancreatic islet cells. Richardson BP, et al. **Postgrad Med J** 1981;57 Suppl 1:98–109

The role of sodium in the prevention of vascular instability during haemodialysis. Man NK, et al. **Proc Eur Dial Transplant Assoc** 1981;18:255–65

Angiotensin increases Na+ entry and Na+/K+ pump activity in cultures of smooth muscle from rat aorta. Brock TA, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1438–42

Detergent extraction of a presumptive gating component from the voltage–dependent sodium channel. Culp WJ, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7171–5

ATP–driven sodium pump in Streptococcus faecalis. Heefner DL, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2798–802

Involvement of multiple sodium ions in intestinal d–glucose transport. Kaunitz JD, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2315–8

Evidence for a role of calmodulin in serum stimulation of Na+ influx in human fibroblasts. Owen NE, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3537–41

High–resolution NMR studies of transmembrane cation transport: use of an aqueous shift reagent for 23Na. Pike MM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):810–4

Na and K dependence of the Na/K pump in cystic fibrosis fibroblasts. Reznik VM, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7143–6

Failure of indomethacin to inhibit saralasin–stimulated plasma renin activity in conscious dogs with mild sodium depletion. Dietz JR, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):567–71

Relationship of sodium retention and induction of hypertensive arterial necrosis in rabbits. Donohue JA, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):193–200

Membrane potentials, resistances, and conductances of toad bladder during Na+ – H+ transport and H+ transport. Ramsay AG. **Proc Soc Exp Biol Med** 1982 May; 170(1):94–102

Intracellular sodium activity and transcellular sodium transport in gallbladder. Armstrong WM, et al. **Prog Clin Biol Res** 1981;73:1–12

Dynamic aspects of transepithelial active Na transport and oxidative metabolism. Essig A, et al. **Prog Clin Biol Res** 1981;73:37–45

Hormonal control of the Na entry process at the apical membrane of frog skin. Helman SI, et al. **Prog Clin Biol Res** 1981;73:47–56

The rheogenic nature of sodium transport in leaky epithelia studied by equivalent circuit analysis. Sackin H, et al. **Prog Clin Biol Res** 1981;73:57–66

Electrogenic Na–K antiport and electrogenic Na–Cl symport in basolateral membrane of frog stomach. Schwartz M, et al. **Prog Clin Biol Res** 1981;73:247–63

A pharmacological approach to the structure of the Na channel in squid axon. Yeh JZ. **Prog Clin Biol Res** 1982; 79:17–49

Catecholamines and the sodium pump in excitable cells. Phillis JW, et al. **Prog Neurobiol** 1981;17(3):141–84 (320 ref.)

Inhibition of Na Transport by prostacyclin (PGI2) in rabbit cortical collecting tubule. Iino Y, et al. **Prostaglandins** 1981 Nov;22(5):715–21

Temperature dependence of the sodium channel gating kinetics in the node of Ranvier. Collins CA, et al. **Q J Exp Physiol** 1982 Jan;67(1):41–55

Internalization of ouabain and replacement of sodium pumps in the plasma membranes of HeLa cells following block with cardiac glycosides. Lamb JF, et al. **Q J Exp Physiol** 1982 Jan;67(1):105–19

Influence of vascular and lumen flow on sodium movements across anuran intestine in vitro. Parsons DS, et al. **Q J Exp Physiol** 1982 Apr;67(2):323–34

Sodium movements across the vascularly perfused anuran small intestine and colon. Parsons DS, et al. **Q J Exp Physiol** 1982 Jan;67(1):121–31

Effect of anaesthesia and surgery on urine flow and electrolyte excretion in different rat strains. Thomsen K, et al. **Renal Physiol** 1981;4(4):165–72

Potentiation of Na+–electrogenic pump of airway smooth muscle by sensitization. Souhrada M, et al. **Respir Physiol** 1982 Jan;47(1):69–81

Cardioactive substances that prolong the open state of sodium channels. Honerjäger P. **Rev Physiol Biochem Pharmacol** 1982;92:1–74 (223 ref.)

Factors influencing renal sodium reabsorption in volume expansion. Knox FG, et al. **Rev Physiol Biochem Pharmacol** 1982;92:75–113 (230 ref.)

Progression of ion movements during acute myocardial infarction in the rat. An x-ray microanalysis study. Osomio-Vargas AR, et al. **Scan Electron Microsc** 1981;(Pt 2):463–72

Sodium and calcium regulation and the role of the cytoskeleton in the pathogenesis of disease: a review and hypothesis. Trump BF, et al. **Scan Electron Microsc** 1981; (Pt 2):435–54, 434 (141 ref.)

Influence of high ceiling diuretics on ion fluxes and cell volume of ehrlich ascites tumour cells. Geck P, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:25–37

Coupled transport of Na+ and Cl- in the thick ascending limb of Henle's loop of rabbit nephron. Greger R. **Scand Audiol [Suppl]** 1981;14 Suppl:1–15

Determinants of abnormal renal sodium handling in cirrhosis: a reappraisal [editorial] Epstein M. **Scand J Clin Lab Invest** 1980;40(8):689–94

Sorbin, a peptide contained in porcine upper small intestine which induces the absorption of water and sodium in the rat duodenum. Pansu D, et al. **Scand J Gastroenterol** 1981; 16(2):193–9

The effect of hydrocortisone on the transport of water, sodium, and glucose in the jejunum. Perfusion studies in normal subjects and patients with coeliac disease. Sandle GI, et al. **Scand J Gastroenterol** 1981;16(5):667–71

Evidence for imbalanced furosemide-sensitive Na+, K+ cotransport in hereditary stomatocytosis. Chailley B, et al. **Scand J Haematol** 1981 Nov;27(5):365–73

Sodium retention in rats with cadmium-induced hypertension. Perry HM Jr, et al. **Sci Total Environ** 1981 Dec;22(1):31–8

Sodium appetite in sheep induced by cerebral ventricular infusion of angiotensin: comparison with sodium deficiency. Coghlan JP, et al. **Science** 1981 Oct 9;214(4517):195–7

Active ion transport in dog tongue: a possible role in taste. DeSimone JA, et al. **Science** 1981 Nov 27; 214(4524):1039–41

Energetics of coupled sodium chloride entry in absorptive cells of leaky epithelia. Armstrong WM, et al. **Soc Gen Physiol Ser** 1981;36:151–62

Sodium entry step in transporting epithelia: results of ligand-binding studies. Cuthbert AW. **Soc Gen Physiol Ser** 1981;36:181–95

Electrical properties of amphibian urinary bladder epithelia. IV. The current-voltage relationship of the sodium channels in the apical cell membrane. Frömter E, et al. **Soc Gen Physiol Ser** 1981;36:31–45

Electrical rectification of the sodium flux across the apical barrier of frog skin epithelium. Helman SI. **Soc Gen Physiol Ser** 1981;36:15–30

Interaction between apical and basolateral membranes during sodium transport across tight epithelia. Lewis SA, et al. **Soc Gen Physiol Ser** 1981;36:93–107

Electron microprobe analysis of frog skin epithelium: pathway of transepithelial sodium transport. Rick R, et al. **Soc Gen Physiol Ser** 1981;36:197–208

Role of cytosolic calcium and sodium-calcium exchange in regulation of transepithelial sodium and water absorption. Taylor A. **Soc Gen Physiol Ser** 1981;36:233–59 (117 ref.)

Current-voltage properties of the active sodium transport pathway across rabbit colon. Thompson SM, et al. **Soc Gen Physiol Ser** 1981;36:47–59

Oxygen and glucose consumption related to Na+–K+ transport in canine brain. Astrup J, et al. **Stroke** 1981 Nov–Dec;12(6):726–30

Renal prostaglandin E in normal Chinese adults: its relationship to renin activity, sodium and water excretion. Hsieh BS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May; 80(5):473–8

Sodium channels blocked by aphantoxin obtained from the blue-green alga, Aphanizomenon flos-aquae. Adelman WJ Jr, et al. **Toxicon** 1982;20(2):513–6

Molecular Properties of neurotoxin receptors sites associated with sodium channels from mammalian brain. Catterall WA, et al. **Toxicon** 1982;20(1):27–40

Two types of scorpion receptor sites, one related to the activation, the other to the inactivation of the action potential sodium channel. Couraud F, et al. **Toxicon** 1982; 20(1):9–16

Effects of palytoxin on sodium and potassium permeabilities in unmyelinated axons. Pichon Y. **Toxicon** 1982;20(1):41–7

Developmental properties of the fast Na+ channel in embryonic cardiac cells using neurotoxins. Renaud JF, et al. **Toxicon** 1982;20(1):17–25

Skeletal muscle ionic composition and sodium transport activity in chronic alcoholism. Ferguson ER, et al. **Trans Assoc Am Physicians** 1981;94:61–72

Changes in the structure and function of the rumen epithelium during development. 1. Developmental changes of Na and Cl transport across lamb rumen epithelium. Scharrer E, et al. **Zentralbl Veterinarmed [A]** 1981; 28(2):89–94

[Abnormal metabolism of sodium (author's transl)] Yan HC. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):570–3 **(Chi)**

[A preliminary search on the relationship between sodium, potassium and its membrane transport in the erythrocyte and essential hypertension (author's transl)] Zhu DL. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):641–5 **(Chi)**

[Control of sodium–potassium pump on proliferation of mammalian cells (author's transl)] Liu YZ. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):29–32 **(Chi)**

[Membrane transport of sodium and potassium] Brotherus J. **Duodecim** 1981;97(18):1560–70 **(Fin)**

[Sodium flux as a function of the salinity of the medium in the Isopod crustacean Sphaeroma serratum (Fabricius)] Thuet P. **Arch Int Physiol Biochim** 1981 Sep;89(3):257–68 (Eng. Abstr.) **(Fre)**

[Biochemistry of a voltage-sensitive sodium channel structure, mechanism and differentiation] Lazdunski M. **C R Soc Biol (Paris)** 1982;176(2):123–32 **(Fre)**

[Effect of sodium balance after parathyroidectomy on hypertension in SHR and DOCA + saline treated rats] Pernot F, et al. **C R Soc Biol (Paris)** 1982;176(2):216–22 (Eng. Abstr.) **(Fre)**

[Measurement of unidirectional sodium fluxes across the rabbit jejunal mucosa using the double-tracer technique (author's transl)] Vidon N, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):901–4 (Eng. Abstr.) **(Fre)**

[Essential arterial hypertension, an innate anomaly of intracellular sodium metabolism?] Meyer P. **Nephrologie** 1980;1(3):133–6 **(Fre)**

[Magnesium and sodium absorption from the isolated sheep rumen during intravenous aldosterone infusion (author's transl)] Martens H, et al. **DTW** 1981 Oct 5;88(10):404–7 **(Ger)**

[Intestinal water, sodium and potassium metabolism in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982; 13:52–60 (Eng. Abstr.) **(Ger)**

[ATPase activity and sodium transport in erythrocytes of patients with essential hypertension (author's transl)] Walter U. **Klin Wochenschr** 1982 Jun 15;60(12):607–16 (Eng. Abstr.) **(Ger)**

[Intracellular sodium+ and magnesium2+ concentrations in diets containing fats of various degrees of saturation] Zidek W, et al. **Med Welt** 1982 Jul 2;33(26):955–6 **(Ger)**

[The effect of alcohol and alcohol withdrawal therapy on the concentration of carbohydrate products of metabolism and electrolytes (Na, K, Mg, Cl) in the blood and cerebrospinal fluid--changes in the oxidation-reduction in the brain] Degrell I, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Dec; 32(12):723–30 (Eng. Abstr.) **(Ger)**

[Intra-extracellular ion changes in heart and skeletal muscle in experimental hemorrhagic shock] Reuter U, et al. **Z Exp Chir** 1982;15(2):86–102 (Eng. Abstr.) **(Ger)**

[Phosphate and sodium metabolism in growing calves] Boehncke E, et al. **Zentralbl Veterinarmed [A]** 1981; 28(5):357–65 (Eng. Abstr.) **(Ger)**

[Various aspects of the neuro-autonomic control of renal function, with special reference to water and salt depletion] Agnoli GC, et al. **Boll Soc Ital Cardiol** 1980;25(9):1115–39 **(Ita)**

[Piretanide in the therapy of water-sodium retention in hepatic cirrhosis] Scarpioni L, et al. **G Clin Med** 1982 Jan; 63(1):57–76 (Eng. Abstr.) **(Ita)**

[Urinary acid excretion and tubular reabsorption of sodium in essential arterial hypertension] Semplicini A, et al. **G Clin Med** 1979 Sep;60(9):721–8 (Eng. Abstr.) **(Ita)**

[Pathogenetic relations between distal renal tubular acidosis and sodium metabolism in hepatic cirrhosis] Caregaro L, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun; 28(2):127–32 (Eng. Abstr.) **(Ita)**

[Water-salt balance in acute myocardial infarct] Fazzini PF, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep; 27(3):467–73 (Eng. Abstr.) **(Ita)**

[Sodium balance in Laennec's cirrhosis] Galfetti F, et al. **Minerva Med** 1981 Sep 22;72(35):2337–46 (Eng. Abstr.) **(Ita)**

[Effects of changes in the sodium balance on plasma catecholamines and renin activity at rest and on their response to orthostatic stimulation in arterial hypertension] Morganti A, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):261–4 (Eng. Abstr.) **(Ita)**

[Experimental studies on dietary elements which suppress the development of salt hypertension (I) Effects of potassium salts on sodium metabolism and urinary kallikrein excretion (author's transl)] Kojima S. **Nippon Jinzo Gakkai Shi** 1981 Sep;23(9):1233–43 (Eng. Abstr.) **(Jpn)**

[Experimental studies on dietary elements which suppress the development of salt hypertension (II) Effects of protein intake on sodium metabolism and urinary kallikrein excretion (author's transl)] Kojima S. **Nippon Jinzo Gakkai Shi** 1981 Sep;23(9):1245–53 (Eng. Abstr.) **(Jpn)**

[Renal tubular sodium and water excretion in the recovery stage of acute tubular necrosis (author's transl)] Mizumura Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Nov;23(11):1415–9 (Eng. Abstr.) **(Jpn)**

[Significance of determination of intracellular ion activity] Fujimoto M. **Nippon Rinsho** 1982;40(3):595–608 (33 ref.) **(Jpn)**

[Sodium transport in the exocrine glands] Imai Y. **Nippon Rinsho** 1982;40(3):588–94 **(Jpn)**

[Analysis of sodium balance] Nagasaka M. **Nippon Rinsho** 1982;40(3):548–59 **(Jpn)**

[Nephritis and edema] Orita Y, et al. **Nippon Rinsho** 1982; 40(3):627–33 **(Jpn)**

[Intestinal transport of ions] Suzuki Y. **Nippon Rinsho** 1982; 40(3):575–81 (25 ref.) **(Jpn)**

[Studies of sodium transport during secretion in the perfused dog submandibular gland (author's transl)] Goto T. **Nippon Seirigaku Zasshi** 1981;43(2):31–43 (Eng. Abstr.) **(Jpn)**

[Transports in animal cells and the role of monovalent cations (author's transl)] Kawasaki T. **Seikagaku** 1981; 53(10):1165–9 (44 ref.) **(Jpn)**

[Involvements of cell-to-ceil interaction and Na+–Ca2+ exchange system in maintenance of regular beating of cultured heart cells (author's transl)] Goshima K, et al. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):170–8 (14 ref.) **(Jpn)**

[Na+–Ca2+ exchange system and its physiological role (author's transl)] Wakabayashi S, et al. **Tanpakushitsu Kakusan Koso** 1981 Nov;26(14):2055–69 (87 ref.) **(Jpn)**

[Effect of opipramol and metabolic inhibitors on active sodium transport] Wiglusz Z, et al. **Pol Tyg Lek** 1981 Jul 27;36(30):1149–52 (Eng. Abstr.) **(Pol)**

[Temperature characteristics of ouabain-insensitive sodium flux in frog muscle] Ambartsumian TG, et al. **Biofizika** 1982 May–Jun;27(3):489–92 (Eng. Abstr.) **(Rus)**

[Non-thermal effect of nanosecond microwave pulses on transepithelial sodium ion transport (letter)] Deviatkov ND, et al. **Biofizika** 1982 May–Jun;27(3):552–4 (Eng. Abstr.) **(Rus)**

[Inhibition of chloride permeability and sodium transport in frog skin by mercusal and ethacrynic acid] Lavrova EA, et al. **Biofizika** 1981 Jul–Aug;26(4):651–6 (Eng. Abstr.) **(Rus)**

[Channel-forming protein from a Na, K-ATPase preparation from porcine renal medulla] Mironova GD, et al. **Biofizika** 1981 Jul–Aug;26(4):731–4 (Eng. Abstr.) **(Rus)**

[Effect of operation of the Na, K-pump on the magnitude of cell membrane potentials and intracellular ion concentrations] Prudnikova IF, et al. **Biofizika** 1981 Sep–Oct;26(5):822–8 (Eng. Abstr.) **(Rus)**

[Effect of arecoline and m- and n-cholinolytics on 22Na incorporation into the neurons of various sections of the rat brain] Semenov EV. **Biull Eksp Biol Med** 1982 May; 93(5):66–8 (Eng. Abstr.) **(Rus)**

[Kinetics of the incoming sodium current in perfused neurons governed by the transmembrane gradient of osmotic pressure] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1253–6 **(Rus)**

[Hypothetical phosphile-thiol molecular mechanism of Na+/K+- and Ca2+ pump functioning in biomembranes] Lemeshko VV. **Dokl Akad Nauk SSSR** 1981;259(1):232–4 **(Rus)**

[Na+-induced Ca2+ release from sarcoplasmic reticulum during excitation of phasic muscle fibers] Nesterov VP, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1267–70 **(Rus)**

[Sodium and potassium metabolism in dogs and albino rats during prolonged intake of mineral water from Spring No. 4 of Morshin health resort] Titarenko PN, et al. **Fiziol Zh** 1982 May;28(3):340–7 **(Rus)**

[Analysis of the effect of ouabain on sodium transport in tissue systems] Emel'ianov NA, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):899–903 (Eng. Abstr.) **(Rus)**

[Effect of blockers of slow Na-Ca channels of frog myocardium on contractility and potassium contracture] Khodorova AB, et al. **Fiziol Zh SSSR** 1981 Oct; 67(10):1525–32 (Eng. Abstr.) **(Rus)**

[Kinetics of sodium currents in the membrane of Ranvier's nodes during de- and repolarization] Lonskii AV, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1175–81 **(Rus)**

[Neurotrophic control of the resting membrane potential of phasic muscle fibers in frogs] Volkov EM, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1807–13 (Eng. Abstr.) **(Rus)**

[Erythrocyte membrane permeability of sodium in different types of chronic experimental hypertension] Orlov SN, et al. **Kardiologiia** 1981 Jul;21(7):33–6 (Eng. Abstr.) **(Rus)**

[Mineralocorticoid function of the adrenal cortex and electrolyte metabolism in patients with euthyroid and toxic goiter during the early postoperative period] Sushko SP. **Klin Khir** 1981 Dec;(12):1–3 (Eng. Abstr.) **(Rus)**

[Molecular mechanisms of photoreception. V. Reconstitution of a sodium channel on an artificial lipid membrane modified by bovine rod outer segment components] Fesenko EE, et al. **Mol Biol (Mosk)** 1981 Nov–Dec; 15(6):1264–76 (Eng. Abstr.) **(Rus)**

[Stimulus-dependent blockade of node of Ranvier sodium channels by ethmozine] Bolotina VM, et al. **Neirofiziologiia** 1981;13(4):380–9 (Eng. Abstr.) **(Rus)**

[Ionic metabolism in the horizontal cells of the retina] Chailakhian LM, et al. **Neirofiziologiia** 1982;14(1):3–10 (Eng. Abstr.) **(Rus)**

[Intracellular perfusion study of mammalian brain neurons] Kryshtal' OA, et al. **Neirofiziologiia** 1982;14(2):209–11 (Eng. Abstr.) **(Rus)**

[Determination of the exponent of alternating ion channel

activation for the Hodgkin–Huxley model] Mironov SL. **Neirofiziologiia** 1982;14(2):207–8 **(Rus)**

[Blockade of the sodium and potassium channels of a myelinated nerve fiber by quinidine] Revenko SV, et al. **Neirofiziologiia** 1982;14(3):324–30 (Eng. Abstr.) **(Rus)**

[Sodium pump reconstruction in lipid vesicles] Rozhmanova OM, et al. **Neirofiziologiia** 1981;13(4):413–7 (Eng. Abstr.) **(Rus)**

[Effect of non-steroid anti-inflammatory agents—indomethacin and brufen—on water-salt metabolism] Kutirina IM, et al. **Ter Arkh** 1981;53(6):40–5 (Eng. Abstr.) **(Rus)**

[Sodium and water distribution in the body in hypertension] Liusov VA, et al. **Ter Arkh** 1981;53(6):70–4 (Eng. Abstr.) **(Rus)**

[Effect of acetate on Na+-independent organic acid transport in the proximal tubules of the rat kidney] Nikiforov AA. **Tsitologiia** 1982 Apr;24(4):449–55 (Eng. Abstr.) **(Rus)**

[Effect of the structural integrity of Na,K-ATPase preparations on the ability of lithium to substitute for sodium in enzyme activation] Skul'skiĭ IA, et al. **Tsitologiia** 1982 Jan;24(1):95–8 (Eng. Abstr.) **(Rus)**

[Effect of thallium on enzyme activity and unidirectional sodium transport in frog skin] Skul's.ii IA, et al. **Tsitologiia** 1982 Feb;24(2):188–94 (Eng. Abstr.) **(Rus)**

[Influence of hydrocortisone on the kinetics of 22Na metabolism in rat hippocampus slices] Emel'ianov NA, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):185–9 (Eng. Abstr.) **(Rus)**

[Electrolyte-excretory kidney function in the acute period of brain concussion] Shapovalov IuV, et al. **Vrach Delo** 1981 Mar;(3):46–50 (Eng. Abstr.) **(Rus)**

[Effect of the partial substitution of membrane cholesterol by 7-dehydrocholesterol on the movement of Na, K and Cl in slices of the rat cerebral cortex] Linares H, et al. **Acta Cient Venez** 1980;31(6):566–71 (Eng. Abstr.) **(Spa)**

[Tubular blocking of sodium reabsorption in chronic renal insufficiency using diuretics (author's transl)] Lillo M. **Rev Med Chil** 1981 Dec;109(12):1153–6 (Eng. Abstr.) **(Spa)**

[Modification of osmolality with I.V. mannitol and/or high glucose concentration in the bath during hemodialysis (author's transl)] Munzenmayer J, et al. **Rev Med Chil** 1981 Dec;109(12):1177–84 (Eng. Abstr.) **(Spa)**

[Movement and distribution of sodium in monolayers of MDCK cells] de Garrido DJ. **Rev Med Panama** 1982 May; 7(2):137–48 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effects of ACTH on the zona glomerulosa of sodium-loaded timolol maleate-treated rats: stereology and plasma hormone concentrations. Nussdorfer GG, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):256–62

Influence of monovalent cation concentrations on monocyte-mediated ADCC. Ladisch S, et al. **Adv Exp Med Biol** 1982;146:255–64

Independent effects of Na reduction and K supplementation on blood pressure [letter] Gillum RF, et al. **Am Heart J** 1982 Mar;103(3):449

Effects of drinking water and total sodium intake on blood pressure. Faust HS. **Am J Clin Nutr** 1982 Jun;35(6):1459–67

High sodium in drinking water and its effect on blood pressure. Hallenbeck WH, et al. **Am J Epidemiol** 1981 Dec; 114(6):817–26

Sodium intake alters the effects of norepinephrine on the renin system and the kidney. Rankin LI, et al. **Am J Kidney Dis** 1981 Nov;1(3):177–84

Development of Na+-dependent hexose transport in a cultured line of porcine kidney cells. Amsler K, et al. **Am J Physiol** 1982 Jan;242(1):C94–101

Altered PGE2 and PGF2 alpha production by glomeruli and papilla of sodium-depleted and sodium-loaded rats. Chaumet-Riffaud P, et al. **Am J Physiol** 1981 Nov; 241(5):F517–24

Potential-dependent D-glucose uptake by renal brush border membrane vesicles in the absence of sodium. Hilden S, et al. **Am J Physiol** 1982 Apr;242(4):F340–5

alpha-Methylglucoside satisfies only Na+-dependent transport system of intestinal epithelium. Kimmich GA, et al. **Am J Physiol** 1981 Nov;241(5):C227–32

Cation effects on acid secretion in rabbit gastric glands. Koelz HR, et al. **Am J Physiol** 1981 Nov;241(5):G431–42

Effect of Na+ and ATP on peritubular Ca transport by the marine teleost renal tubule. Renfro JL, et al. **Am J Physiol** 1982 Jul;243(1):R34–41

Influence of sodium on major diffusion barriers to passive intestinal uptake. Thomson AB. **Am J Physiol** 1982 Aug; 243(2):G148–54

Heterogeneity of sodium-dependent D-glucose transport sites along the proximal tubule: evidence from vesicle studies. Turner RJ, et al. **Am J Physiol** 1982 Apr; 242(4):F406–14

Sodium-dependent alpha-aminoisobutyrate transport by the photosynthetic purple sulfur bacterium Chromatium vinosum. Pettitt CA, et al. **Arch Biochem Biophys** 1982 Jun;216(1):306–13

Heterogeneity of Na+-independent 2-aminobicyclo-(2,2,1)-heptane-2-carboxylic acid and L-leucine transport in isolated rat hepatocytes in primary culture. Handlogten ME, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):307–13

Increased central alpha-2 adrenergic receptors measured with [3H] yohimbine in the presence of sodium ion and guanylnucleotides. Woodcock EA, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):252–8

Evidence for beta-adrenergic activation of Na+-dependent efflux of Ca2+ from isolated liver mitochondria. Goldstone TP, et al. **Biochem J** 1982 Apr 15;204(1):369–71

Stimulation of calcium-ion efflux from liver mitochondria by sodium ions and its response to ADP and energy state. Heffron JJ, et al. **Biochem J** 1981 Mar 15;194(3):925–9

Regulation of cerebellar L-[3H]glutamate binding: influence of guanine nucleotides and Na+ ions. Shar[illegible] NA, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):3019–22

A chloride requirement for Na+-dependent amino-acid transport by brush border membrane vesicles isolated from the intestine of a Mediterranean teleost (Boops salpa). Bogé G, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):455–61

Temperature dependence of solute transport and enzyme activities in hog renal brush border membrane vesicles. De Smedt H, et al. **Biochim Biophys Acta** 1981 Nov 6; 648(2):247–53

Na+-independent L-arginine transport in rabbit renal brush border membrane vesicles. Hammerman MR. **Biochim Biophys Acta** 1982 Feb 8;685(1):71–7

Na+-dependent transport of glycine in renal brush border membrane vesicles. Evidence for a single specific transport system. Hammerman MR, et al. **Biochim Biophys Acta** 1982 Apr 7;686(2):189–96

The effect of sodium on depolarization-induced calcium uptake and acetylcholine release by synaptosomes. Metlaš R, et al. **Biochim Biophys Acta** 1982 May 7;687(2):340–2

Na+-stimulated ATPase activities in kidney basal-lateral plasma membranes. Proverbio F, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):99–108

Sodium-dependent and calcium-dependent calcium transport by rat brain microsomes. Schellenberg GD, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):13–27

Na+-dependent, potential-sensitive L-ascorbate transport across brush border membrane vesicles from kidney cortex. Toggenburger G, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):433–43

Stimulation of Na+ -dependent amino acid uptake by activation of the Ca2+ -dependent K+ channel in the Ehrlich ascites tumor cell. Valdeolmillos M, et al. **Biochim Biophys Acta** 1982 Jul 14;689(1):177–9

Extracellular pH selectively modulates recovery from sodium inactivation in frog myelinated nerve. Courtney KR. **Biophys J** 1979 Nov;28(2):363–8

Tests of an electrostatic screening hypothesis of the inhibition of neurotransmitter release by cations at the frog neuromuscular junction. Misler S, et al. **Biophys J** 1980 Jul;31(1):9–30

Stimulation of the efflux of L-glutamate from renal brush-border membrane vesicles by extravesicular potassium. Sacktor B, et al. **Biosci Rep** 1981 Sep;1(9):709–13

The interaction of extracellular H+, Na+, Ca2+ and Sr2+ on the decay of miniature end-plate currents. Cohen I, et al. **Brain Res** 1982 Jun 10;241(2):285–90

Effect of pentobarbital on Na and Ca action potentials in an invertebrate neuron. Goldring JM, et al. **Brain Res** 1982 May 27;240(2):273–83

Effect of sodium- or chloride-deficient medium on fast axonal transport in frog spinal nerves. Lavoie PA. **Can J Physiol Pharmacol** 1982 Jan;60(1):95–7

The influence of 'nonmyoplasmic' sodium on the measured value of the sodium efflux from barnacle muscle. Menard MR, et al. **Can J Physiol Pharmacol** 1981 Dec; 59(12):1219–27

Morphological changes induced by sodium bromide in murine neuroblastoma cells in vitro. Spoerri PE, et al. **Cell Tissue Res** 1982;222(2):379–88

Sodium, divalent cations, and guanine nucleotides regulate the affinity of the rat mesenteric artery angiotensin II receptor. Wright GB, et al. **Circ Res** 1982 Apr;50(4):462–9

Influence of the salt moiety on the effectiveness of corticosteroid therapy in cardiogenic shock. Shatney CH, et al. **Circ Shock** 1982;9(3):247–58

Dietary sodium and renal alpha 2-adrenergic receptors in Dahl hypertensive rats. Pettinger WA, et al. **Clin Exp Hypertens [A]** 1982;4(4–5):819–28

Dietary sodium intake: a determinant of postprandial plasma sodium concentration in the dog. Schneider EG, et al. **Clin Sci** 1982 May;62(5):471–7

Dependence of renal vasodilator effect of captopril on prevailing plasma renin level in the dog: influence of DOCA-salt treatment. Wong PC, et al. **Clin Sci** 1982 Oct; 63(4):355–60

Inhibition by sodium of sodium-independent amino acid transport. Klekamp M, et al. **Comp Biochem Physiol [A]** 1982;72(1):143–7

Influence of sodium and calcium ions and membrane potential on glutamate receptor desensitization. Clark RB, et al. **Comp Biochem Physiol [C]** 1982;72(1):1–7

A rapid sodium-dependent block to polyspermy in sea urchin eggs. Schuel H, et al. **Dev Biol** 1981 Oct 30;87(2):249–58

Vasopressin resistance induced by low sodium and high mannitol in toad bladder. Eggena P, et al. **Endocrinology** 1982 Sep;111(3):1001–9

Sodium- and calcium-dependent somatostatin release from dissociated cerebral cortical cells in culture. Robbins RJ, et al. **Endocrinology** 1982 Feb;110(2):496–9

Effects of sodium repletion and timolol maleate administration on the zona glomerulosa of the rat adrenal cortex: an electron microscopic morphometric study. Mazzocchi G, et al. **Endokrinologie** 1982 Feb;79(1):81–8

Discrepancy in the regulatory effects of sodium and guanine nucleotides on adrenaline and clonidine binding to alpha 2-adrenoceptors in human fat cell membranes. Gonzalez JL, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):289–93

Sodium-dependent choline binding in rat hippocampal synaptosomes. Simpson J, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):267–70

A sodium requirement for mitogen-induced proliferation in human peripheral blood lymphocytes. Deutsch C, et al. **Exp Cell Res** 1981 Dec;136(2):359–69

Plasma catecholamines in conscious rats: influence of sodium, stress and heredity. De Mendonca M, et al. **Experientia** 1981 Oct 15;37(10):1087–9

Effect of sodium and potassium on ATP-dependent Ca2+ uptake in rat parotid microsomes. Bonis D, et al. **FEBS Lett** 1982 Jan 11;137(1):63–6

Influx of Ca2+ into isolated secretory vesicles from adrenal medulla. Influence of external K+ and Na+. Krieger-Brauer H, et al. **FEBS Lett** 1981 Oct 26; 133(2):244–6

A new way for inducing a respiratory burst in guinea pig neutrophils: change in the Na+,K+ concentration of the medium. Rossi F, et al. **FEBS Lett** 1981 Sep 28;132(2):273–7

Specific inhibition by Na+ of TSH-stimulated thyroid cell adenylate cyclase. Verrier B, et al. **FEBS Lett** 1982 Feb 22;138(2):303–6

Effects of sodium loading, desoxycorticosterone acetate, and corticosterone on urinary kallikrein excretion. Bönner G, et al. **Horm Res** 1981;14(2):87–94

Effect of salt loading on the cardiovascular response to stress in adolescents. Falkner B, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-195–9

Norepinephrine sensitivity and membrane potentials of caudal arterial muscle in DOCA-salt, Dahl, and SHR hypertension in rat. Hermsmeyer K, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):49–51

Sodium intake alters the effects of norepinephrine on blood pressure. Rankin LI, et al. **Hypertension** 1981 Nov-Dec; 3(6):650–6

'Physiological' and 'pharmacological' dialysate sodium concentrations. Locatelli F, et al. **Int J Artif Organs** 1982 Jan;5(1):17–24

Effect of Na+, K+ and Li+ on pH dependence of in situ beta-galactosidase from E. coli. de Arriaga D, et al. **Int J Biochem** 1982;14(1):47–52

Effects of [Na+], [Cl-], carbonic anhydrase, and intracellular pH on corneal endothelial bicarbonate transport. Green K, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):586–91

Proton gradients in renal cortex brush-border membrane vesicles. Demonstration of a rheogenic proton flux with acridine orange. Reenstra WW, et al. **J Biol Chem** 1981 Nov 25;256(22):11663–6

Inhibitory effects of sodium and other monovalent cations on human platelet adenylate cyclase. Steer ML, et al. **J Biol Chem** 1981 Oct 10;256(19):9990–3

Roles of Na+ and K+ in alpha-aminoisobutyric acid transport by the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1982 Jan 25;257(2):788–94

Selective inhibition of Na+-induced Ca2+ release from heart mitochondria by diltiazem and certain other Ca2+ antagonist drugs. Vághy PL, et al. **J Biol Chem** 1982 Jun 10;257(11):6000–2

Relation between sodium-coupled amino acid and sugar transport and sodium/potassium pump activity in isolated intestinal epithelial cells. Sepúlveda FV, et al. **J Cell Physiol** 1982 Jun;111(3):303–8

The role of dietary sodium on renal excretion and intestinal absorption of calcium and on vitamin D metabolism. Breslau NA, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):369–73

Effect of sodium on cellular calcium transport in rat kidney. Borle AB. **J Membr Biol** 1982;66(3):183–91

Amino Acid Transport and stimulation by substrates in the absence of a Na2+ electrochemical potential gradient. Heinz A, et al. **J Membr Biol** 1981;62(1–2):149–60

Partial purification of the Na+-dependent D-glucose transport system from renal brush border membranes. Im WB, et al. **J Membr Biol** 1982;65(1–2):131–7

Delineation of sodium-stimulated amino acid transport pathways in rabbit kidney brush border vesicles. Mircheff AK, et al. **J Membr Biol** 1982;64(1–2):113–22

Active sulfate absorption in rabbit ileum: dependence on sodium and chloride and effects of agents that alter chloride transport. Smith PL, et al. **J Membr Biol** 1981; 63(3):199–206

Electrical and contractile consequences of Na+ or Ca2+ gradient reduction in cultured heart cells. Burt JM. **J Mol Cell Cardiol** 1982 Feb;14(2):99–110

A high-affinity, Na+-dependent uptake system for gamma-hydroxybutyrate in membrane vesicles prepared from rat brain. Benavides J, et al. **J Neurochem** 1982 Jun; 38(6):1570–5

Influence of sodium and sulphydryl groups on [3H]sulpiride binding sites in rat striatal membranes. Freedman SB, et al. **J Neurochem** 1982 May;38(5):1459–65

Na+-dependent uptake and release of taurine by neuroblastoma x glioma hybrid cells. Kürzinger K, et al. **J Neurochem** 1981 Oct;37(4):956–67

Ontogenetic development of the striatal [3H]spiperone

binding: regulation by sodium and guanine nucleotide in rats. Nomura Y, et al. **J Neurochem** 1982 Apr;38(4):902–8
Complex binding of L-[3H]glutamate to hippocampal synaptic membranes in the absence of sodium. Werling LL, et al. **J Neurochem** 1982 Apr;38(4):1050–62
Differential regulation of the mu-, delta-, and kappa-opiate receptor subtypes by guanyl nucleotides and metal ions. Pfeiffer A, et al. **J Neurosci** 1982 Jul;2(7):912–7
Dietary minerals modify the food intake suppressing effects of high casein diets fed to rats. Li ET, et al. **J Nutr** 1982 Apr;112(4):717–21
The effect of concentrations of external sodium and calcium on the swimming speed of Schistosoma mansoni miracidia. Knabe E, et al. **J Parasitol** 1982 Jun;68(3):507–8
The absence of sodium ions does not explain the failure of sulpiride to inhibit, in vitro, rat striatal dopamine-sensitive adenylate cyclase. Rupniak NM, et al.
J Pharm Pharmacol 1981 Sep;33(9):602–3
Ion-dependent stages of the cortical reaction in surface complexes isolated from Arbacia punctulata eggs. Schön EA, et al. **J Ultrastruct Res** 1981 Aug;76(2):191–201
Effects of sodium depletion on contractions evoked in intact and skinned muscles of the guinea-pig mesenteric artery. Itoh T, et al. **Jpn J Physiol** 1981;31(6):831–47
Abnormal relationship between sodium intake and sympathetic nervous system activity in salt-sensitive patients with essential hypertension. Campese VM, et al. **Kidney Int** 1982 Feb;21(2):371–8
Re-analysis of data in two Lancet papers on the effect of dietary sodium and potassium on blood pressure. Holly JM, et al. **Lancet** 1981 Dec 19–26;2(8260–61):1384–7
3H-dopamine binding to rat striatal D-2 and D-3 sites: enhancement by magnesium and inhibition by guanine nucleotides and sodium. Hamblin MW, et al. **Life Sci** 1982 May 3;30(18):1587–95
Sodium ion modulates agonist and antagonist interactions with the human platelet alpha 2-adrenergic receptor in membrane and solubilized preparations. Limbird LE, et al. **Mol Pharmacol** 1982 May;21(3):609–17
Sodium inhibits both adenylate cyclase and high-affinity 3H-labeled p-aminoclonidine binding to alpha 2-adrenergic receptors in purified human platelet membranes. Mooney JJ, et al. **Mol Pharmacol** 1982 May; 21(3):600–8
Comparison between (RS)-nipecotic acid and GABA transport in cultured astrocytes: coupling with two sodium ions. Larsson OM, et al. **Neurochem Res** 1981 Mar; 6(3):257–66
Endogenous inhibitors of Na+-independent [3H]GABA binding to crude synaptic membranes. Massotti M, et al. **Neurochem Res** 1981 May;6(5):551–65
Effect of lithium and sodium ions on opiate- and dopamine-receptor binding. Wajda IJ, et al.
Neurochem Res 1981 Mar;6(3):321–31
A study of the actions of bromide on frog sympathetic ganglion. Montoya GA, et al. **Neuropharmacology** 1982 Jun; 21(6):581–5
On the mechanism of the inhibition of fast axonal transport caused by exposure of frog spinal ganglia to the sodium-deficient medium. Lavoie PA. **Neurosci Lett** 1981 Dec 11;27(2):131–4
Effect of 50% external sodium in solutions of normal and twice normal tonicity on internal sodium activity in frog skeletal muscle. Schümperli RA, et al. **Pflugers Arch** 1982 Mar;393(1):51–5
Salts promote activation of fat cell adenylate cyclase by GTP: special role for sodium ion. Katz MS, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7417–21
Sodium ion modulates D2 receptor characteristics of dopamine agonist and antagonist binding sites in striatum and retina. Makman MH, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4212–6
Beta-endorphin: opiate receptor binding activities of six naturally occurring beta-endorphin homologs studied by using tritiated human hormone and naloxone as primary ligands--effects of sodium ion. Nicolas P, et al.
Proc Natl Acad Sci USA 1982 Apr;79(7):2191–3
Autoradiographic demonstration of the sodium-dependent high-affinity choline uptake system. Ruch GA, et al.
Proc Natl Acad Sci USA 1982 Apr;79(8):2714–6
The Na+-dependent sugar carrier as a sensor of the cellular electrochemical Na+ potential. Kimmich GA.
Prog Clin Biol Res 1981;73:129–42
Release of prostaglandin I2-like activity from the rat aorta: effect of captopril, furosemide, and sodium. Sullivan JM, et al. **Prostaglandins** 1981 Oct;22(4):575–85
Effect of dietary sodium intake on the metabolism of prostaglandins in the kidney in hypertensive patients. Sato M, et al. **Prostaglandins Leukotrienes Med** 1982 Mar; 8(3):199–209
Effect of sodium intake on brain angiotensin-converting enzyme activity in spontaneously hypertensive rat. Mizuno K, et al. **Tohoku J Exp Med** 1981 Oct;135(2):217–8
Role of sodium ion in renal transport of p-aminohippurate in vitro. Park YS, et al. **Yonsei Med J** 1980;21(2):123–8
Effect of Na+ on in vivo transepithelial transport of glycine and leucine in two teleosts. Garg VK.
Z Tierphysiol Tierernahr Futtermittelkd 1981;46(4):196–202
[Role of sodium ions in gastric absorption of calcium in ruminants (author's transl)] Timet D, et al.
Ann Rech Vet 1981;12(1):47–56 (Eng. Abstr.) **(Fre)**
[Effect of sodium intake on the brain and the aortic angiotensin-converting enzyme activity in spontaneously hypertensive rat (author's transl)] Mizuno K, et al.
Nippon Jinzo Gakkai Shi 1981 Nov;23(11):1449–55 (Eng. Abstr.) **(Jpn)**
[Stabilization of delta mu H+ in Escherichia coli upon K+ and Na+ transmembrane gradient dissipation] Brown II, et al. **Biokhimiia** 1982 Jan;47(1):137–44 (Eng. Abstr.) **(Rus)**
[Effect of cardenolids and sodium ion gradient on ATP-dependent Ca2+ accumulation in cardiac sarcolemmal vesicles] Preobrazhenskii AN, et al.
Biokhimiia 1982 Jan;47(1):126–36 (Eng. Abstr.) **(Rus)**
[Effect of monovalent cations on calcium transport in the mitochondria] Orlov SN, et al. **Biull Eksp Biol Med** 1982 May;93(5):50–2 (Eng. Abstr.) **(Rus)**
[Role of calcium ions in action potential plateau formation of ureteral smooth muscle cells in sodium-free solutions] Kochemasova NG. **Fiziol Zh** 1982 Mar-Apr;28(2):206–11 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Relationship between Na+ and Ca++ extracellular levels and prostaglandin F2 alpha action on longitudinal muscle of guinea-pig caecum. Radomirov R, et al.
Acta Physiol Pharmacol Bulg 1981;7(3):9–17
Na+-induced intestinal interstitial hyperosmolality and vascular responses during absorptive hyperemia. Bohlen HG. **Am J Physiol** 1982 May;242(5):H785–9
Evidence for electrogenic Na-Cl symport in the in vitro frog stomach. Carrasquer G, et al. **Am J Physiol** 1982 Jun; 242(6):G620–7
Sodium-coupled nonelectrolyte transport across epithelia: emerging concepts and directions. Freel RW, et al.
Am J Physiol 1981 Dec;241(6):G451–60 (80 ref.)
Effects of sodium on beta-cell electrical activity. Ribalet B, et al. **Am J Physiol** 1982 May;242(5):C296–303
Homocellular regulatory mechanisms in sodium-transporting epithelia: avoidance of extinction by 'flush-through'. Schultz SG. **Am J Physiol** 1981 Dec;241(6):F579–90 (60 ref.)
Na+ channels and amiloride-induced noise in the mammalian colon epithelium. Zeiske W, et al.
Biochim Biophys Acta 1982 May 21;688(1):201–10
The sodium currents of nerve under voltage clamp as heterogeneous kinetics. A model that is consistent with possible kinetic behavior. Rubinson KA. **Biophys Chem** 1982 Jun;15(3):245–62
Negative slope conductance due to a persistent subthreshold sodium current in cat neocortical neurons in vitro. Stafstrom CE, et al. **Brain Res** 1982 Mar 18;236(1):221–6
The relative roles of sodium and renin in the hypertension of renal disease. An assessment based on the response to frusemide and propranolol. Wilkinson R, et al.
Clin Nephrol 1981 Dec;16(6):307–13
Sodium balance, fluid homeostasis and the renin-aldosterone system during the prolonged exercise of hill walking. Milledge JS, et al. **Clin Sci** 1982 Jun;62(6):595–604
Demonstration of active sodium transport across the isolated rabbit corneal endothelium. Huff JW, et al.
Curr Eye Res 1981;1(2):113–4
Sodium dependency of [3H]imipramine binding in rat cerebral cortex. Briley M, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):377–80
Competitive inhibition of sodium-dependent high affinity choline uptake by harmala alkaloids. Smart L.
Eur J Pharmacol 1981 Nov 5;75(4):265–9
Ionic and metabolic bases of neuronal thermosensitivity. Carpenter DO. **Fed Proc** 1981 Dec;40(14):2808–13 (28 ref.)
Permeability characteristics of human jejunum, ileum, proximal colon and distal colon: results of potential difference measurements and unidirectional fluxes. Davis GR, et al. **Gastroenterology** 1982 Oct;83(4):844–50
Relative roles of sodium and calcium ions in the steroidogenic response of isolated rate adrenal glomerulosa cells. Schiffrin EL, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):36–42
'Physiological' and 'pharmacological' dialysate sodium concentrations. Locatelli F, et al. **Int J Artif Organs** 1982 Jan;5(1):17–24
The effect of X-irradiation on Na-K ATPase and cation distribution in rabbit lens. Matsuda H, et al.
Invest Ophthalmol Vis Sci 1982 Feb;22(2):180–5
Regulatory role of intracellular sodium ions in neurotransmitter secretion. Melinek R, et al.
Isr J Med Sci 1982 Jan;18(1):37–43
Effects of captopril, an angiotensin-converting enzyme inhibitor, in normotensive sodium-replete volunteers. Shepherd AN, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):381–7
Blood pressure and the kidney. Swales JD. **J Clin Pathol** 1981 Nov;34(11):1233–40 (70 ref.)
Distribution and kinetics of membrane dielectric polarization. 1. Long-term inactivation of gating currents. Bezanilla F, et al. **J Gen Physiol** 1982 Jan;79(1):21–40
The role of intracellular sodium ions in the regulation of cardiac contractility. Daut J. **J Mol Cell Cardiol** 1982 Mar; 14(3):189–92
Na+- and Ca2+-dependent components in action potentials of the ovulation hormone producing caudo-dorsal cells in Lymnaea stagnalis (Gastropoda). Kits KS, et al.
J Neurobiol 1982 May;13(3):201–16
Calcium- and sodium-dependent action potentials of mouse spinal cord and dorsal root ganglion neurons in cell culture. Heyer EJ, et al. **J Neurophysiol** 1982 Apr;47(4):641–55
Characterization of the fast sodium current in isolated rat myocardial cells: simulation of the clamped membrane potential. Bodewei R, et al. **J Physiol (Lond)** 1982 Apr; 325:301–15
Sodium current in single rat heart muscle cells. Brown AM, et al. **J Physiol (Lond)** 1981 Sep;318:479–500
The sodium current underlying the responses of toad rods to light. Capovilla M, et al. **J Physiol (Lond)** 1981 Aug; 317:223–42
Fast charge movements in skeletal muscle fibres from Rana temporaria. Collins CA, et al. **J Physiol (Lond)** 1982 Mar; 324:319–45
Intracellular sodium ion activity and sodium transport in rabbit urinary bladder. Eaton DC. **J Physiol (Lond)** 1981 Jul;316:527–44
The effects of rubidium ions and membrane potentials on the intracellular sodium activity of sheep Purkinje fibres. Eisner DA, et al. **J Physiol (Lond)** 1981 Aug;317:189–205
The dependence of sodium pumping. and tension on intracellular sodium activity in voltage-clamped sheep Purkinje fibres. Eisner DA, et al. **J Physiol (Lond)** 1981 Aug;317:163–87
The effect of external potassium on the removal of sodium inactivation in squid giant axons. Gillespie JI, et al.
J Physiol (Lond) 1981 Jun;315:493–514
Amino acid transport in Myxicola giant axon: stability of the amino acid pool, taurine efflux, and trans effect of sodium. Horn LW. **J Physiol (Lond)** 1981 Aug;317:103–27
Effects of extracellular potassium accumulation and sodium pump activation on automatic canine Purkinje fibres. Kline RP, et al. **J Physiol (Lond)** 1982 Mar;324:507–33
Development of sodium permeability inactivation in nodal membranes. Kniffki KD, et al. **J Physiol (Lond)** 1981; 313:37–48
Modification of cation permeability of rabbit descending colon by sulphydryl reagents. Luger A, et al.
J Physiol (Lond) 1981 Aug;317:49–66
Sodium dependency of active chloride transport across isolated fish skin (Gillichthys mirabilis). Marshall WS.
J Physiol (Lond) 1981;319:165–78
Depolarization produced by sodium removal in the circular muscle of the guinea-pig stomach. Sakamoto Y, et al.
J Physiol (Lond) 1982 May;326:329–39
Gallamine triethiodide-induced modifications of sodium conductance in Myxicola giant axons. Schauf CL, et al.
J Physiol (Lond) 1982 Feb;323:157–71
Effects of low-sodium solutions on the calcium-dependent slow action potentials in potassium-depolarized guinea-pig ventricular muscle. Inazawa M, et al. **Jpn J Physiol** 1982; 32(2):315–9
Functional importance of sodium and potassium in the guinea pig cochlea studied with amiloride and tetraethylammonium. Salt AN, et al. **Jpn J Physiol** 1982; 32(2):219–30
Failure of increased sodium avidity to facilitate renal acid excretion in dogs fed sulfuric acid. Kraut JA, et al.
Kidney Int 1981 Jul;20(1):50–4
Effect of sodium ions on cyclic AMP and cyclic GMP levels in mouse parotid acini. Watson EL, et al. **Life Sci** 1982 May 10;30(19):1631–7
A novel mode of neurotoxin action. A polypeptide toxin isolated from Anemonia sulcata shifts the voltage dependence of the maximal rate of rise of Na+ action potentials in a mouse neuronal clone. Miyake M, et al.
Mol Pharmacol 1981 Nov;20(3):453–6
Na+ transport and flux ratio through apical Na+ channels in toad bladder. Palmer LG. **Nature** 1982 Jun 24; 297(5868):688–90
Influence of ionic current on Na+ channel gating in crayfish giant axon. Shrager P, et al. **Nature** 1982 Apr 1; 296(5856):450–2
Effect of sodium concentration and plasma sugar concentration on hexose absorption by the rat jejunum in vivo. Further evidence of two transport mechanisms. Debnam ES. **Pflugers Arch** 1982 Mar;393(1):104–8
Na dependence of monosaccharide absorption in isolated rabbit small intestine, perfused through lumen and vascular bed. Mothes T, et al. **Pflugers Arch** 1981 Nov;392(1):13–6
Ionic dependence of electrical activity in small mesenteric arteries of guinea-pigs. Zelcer E, et al. **Pflugers Arch** 1981 Nov;392(1):72–8
Sodium channels induced by depolarization of the Xenopus laevis oocyte. Baud C, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3188–92
Differentiation of the fast Na+ channel in embryonic heart cells: interaction of the channel with neurotoxins. Renaud JF, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5348–52
Photobleaching through glass micropipettes: sodium channels without lateral mobility in the sarcolemma of frog skeletal muscle. Stühmer W, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):946–50
Functional reconstitution of the purified sodium channel protein from rat sarcolemma. Weigele JB, et al.
Proc Natl Acad Sci USA 1982 Jun;79(11):3651–5
The dependence of the maximum rate of rise of the action potential upstroke on membrane properties. Cohen I, et al. **Proc R Soc Lond [Biol]** 1981 Dec 9;214(1194):85–98
Effect of furosemide and dietary sodium on kidney and plasma big and small renin. Iwao H, et al.
Proc Soc Exp Biol Med 1981 Dec;168(3):361–8
Effect of furosemide on sodium and potassium flow at the

end of the juxtamedullary descending limb in Psammomys obesus. Dobyan DC, et al. **Renal Physiol** 1982 May-Jun; 5(3):105-14

Sodium transport inhibition by amiloride reduces basolateral membrane potassium conductance in tight epithelia. Davis CW, et al. **Science** 1982 Apr 30;216(4545):525-7

[Sodium transport in amphibian epithelia] Marumo F. **Nippon Rinsho** 1982;40(3):560-5 **(Jpn)**

[Sodium transport in the gallbladder] Suzuki K, et al. **Nippon Rinsho** 1982;40(3):582-7 **(Jpn)**

RADIATION EFFECTS

[Effect of ionizing radiation on the transmembrane transport of sodium ions in the skin of the frog under a functional load] Mtskhvetadze AV, et al. **Radiobiologiia** 1981 May-Jun;21(3):446-50 **(Rus)**

SECRETION

Lacrimal gland electrolyte and water secretion in the rabbit: localization and role of (Na+ + K+)-activated ATPase. Dartt DA, et al. **J Physiol (Lond)** 1981 Dec;321:557-69

THERAPEUTIC USE

Effect of glucose-insulin-potassium infusions on epicardial ECG changes and on myocardial metabolic changes after coronary artery ligation in dogs. Dalby AJ, et al. **Cardiovasc Res** 1981 Oct;15(10):588-98

TOXICITY

Static acute toxicity of sodium bromide to fathead minnows. Alexander HC, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):326-31

URINE

A community-based intervention study on the feasibility and effects of the reduction of salt intake in North Karelia, Finland. Tuomilehto J, et al. **Acta Cardiol (Brux)** 1981; 36(2):83-104

Comparison of the hormonal and renal effects of captopril in severe essential and renovascular hypertension. Aldigier JC, et al. **Am J Cardiol** 1982 Apr 21;49(6):1447-52

Dissociation of saline-induced natriuresis from urea washout in the rat. Gennari FJ, et al. **Am J Physiol** 1981 Sep; 241(3):F250-6

Nonoliguric acute renal failure associated with a low fractional excretion of sodium. Diamond JR, et al. **Ann Intern Med** 1982 May;96(5):597-600

Loss of weight, sodium and water in obese persons consuming a high- or low-carbohydrate diet. Rabast U, et al. **Ann Nutr Metab** 1981;25(6):341-9

Effect of arachidonic acid and indomethacin on renal function of dogs with pericardial tamponade. Boudreau RJ, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):586-94

Determination of urinary sodium and potassium by ion-selective electrodes and flame photometry compared [letter] Burr RG. **Clin Chem** 1982 Jul;28(7):1710-1

Sodium results for urine with the Beckman electrolyte 2 ion-selective electrolyte analyzer are dependent on potassium concentration [letter] Harff GA. **Clin Chem** 1982 May;28(5):1232-3

Sodium, potassium and age: possible determinants of plasma renin activity and aldosterone during childhood (age 4-16). Goldfarb D, et al. **Clin Endocrinol (Oxf)** 1981 Jul; 15(1):29-36

Renal salt and water handling in water immersion in the nephrotic syndrome. Berlyne GM, et al. **Clin Sci** 1981 Nov; 61(5):605-10

Role of prostaglandins in mediating excretion by the kidney of an intravenous infusion of sodium chloride in normal human subjects. Watson ML, et al. **Clin Sci** 1982 Jan; 62(1):27-33

Exaggerated fractional sodium excretion in hypertension with advanced renal disease: the role of renal prostaglandin and kallikrein. Abe K, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):327s-330s

Renin activity, aldosterone levels and urinary sodium and potassium excretion under tocolytic therapy with salbutamol. Di Renzo GC, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):43-9

Overnight urines for assessment of change in sodium intake [letter] Gillum RF, et al. **Hypertension** 1981 Nov-Dec; 3(6):738

The effect of loop diuretics on the excretion of Na+, Ca2+, Mg2+, and Cl-. White MG, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):610-4

Salt and blood pressure in Belgium. Staessen J, et al. **J Epidemiol Community Health** 1981 Dec;35(4):256-61

Low FENa acute renal failure. Kirschbaum BB. **J Trauma** 1982 Jun;22(6):511-2

The use (and misuse) of urinary sodium and chloride measurements. Sherman RA, et al. **JAMA** 1982 Jun 11; 247(22):3121-4

Average urinary excretion of sodium in 24 hours can be estimated from a spot-urine specimen. Kawasaki T, et al. **Jpn Circ J** 1982 Sep;46(9):948-53

Dietary risk factors of stroke and hypertension in Japan -- Part 1: Methodological assessment of urinalysis for dietary salt and protein intakes. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):933-8

Dietary risk factors of stroke and hypertension in Japan -- Part 2: Validity of urinalysis for dietary salt and protein intakes under a field condition. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):939-43

Angiotensin-induced sodium excretion patterns in cirrhosis: role of renal prostaglandins. Lianos EA, et al. **Kidney Int** 1982 Jan;21(1):70-7

Fractional sodium excretion in patients with chronic renal failure with respect to the therapy [letter] Schück O. **Nephron** 1982;30(1):95-6

Intracerebroventricular infusions of angiotensin II increases sodium excretion. Brooks VL, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):532-7

Investigation of the mechanism of action of prostaglandin synthesis inhibitors on renin and aldosterone secretion and sodium excretion. Papanicolaou N, et al. **Prostaglandins Med** 1981 Aug;7(2):163-81

Renal prostaglandins and sodium excretion. Lote CJ. **Q J Exp Physiol** 1982 Jul;67(3):377-85

The effect of secretin on gastric H+ and pepsin secretion and on urinary electrolyte excretion in man. Waldum HL, et al. **Scand J Gastroenterol** 1981;16(8):999-1004

[Correlation between renal compensatory hypertrophy and urinary sodium excretion in the ACTH treated rat] Reville P, et al. **C R Soc Biol (Paris)** 1981;175(4):468-73 (Eng. Abstr.) **(Fre)**

[Collection and transport of urine samples by filter paper absorption method. The method of the determination of sodium, potassium and creatinine concentration in urine (author's transl)] Takemori K. **Nippon Eiseigaku Zasshi** 1980 Dec;35(5):721-7 (Eng. Abstr.) **(Jpn)**

[Comparative studies of urinary electrolyte excretion, the renin-angiotensin-aldosterone system and plasma dopamine-beta-hydroxylase activity in patients with idiopathic edema and normal subjects during the menstrual cycle (author's transl)] Mikami K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20;57(5):826-32 (Eng. Abstr.) **(Jpn)**

[The screening of primary aldosteronism with PRA and urinary Na/K after the furosemide test (author's transl)] Itoh T, et al. **Nippon Naika Gakkai Zasshi** 1982 Mar 10; 71(3):312-8 **(Jpn)**

[Effect of Butecort and Flucinar ointments on various indicators of the hormonal system. II. Effect of the tested preparations on body weight, diurnal sodium and potassium excretion and blood pressure] Kibler-Nockowska M. **Przegl Dermatol** 1981 Mar-Apr;68(2):161-6 (Eng. Abstr.) **(Pol)**

[Characteristics of the stasis in the rhythm of urinary electrolyte excretion in healthy pregnant women] Arutiunian ZhS. **Akush Ginekol (Mosk)** 1981 May;(5):42-3 **(Rus)**

[The importance of determining urinary sodium in explaining hyponatremia] Vulović D, et al. **Srp Arh Celok Lek** 1981 Sep;109(9):1135-46 **(Sec)**

SODIUM CEPHALOTHIN see **CEPHALOTHIN**

SODIUM CHANNELS see **ION CHANNELS**

SODIUM CHLORIDE

see related
DIET, SODIUM-RESTRICTED

Termination of midtrimester pregnancies induced by hypertonic saline and prostaglandin F2 alpha 116 consecutive cases. Bostofte E, et al. **Acta Obstet Gynecol Scand** 1981;60(6):575-8

Use of common salt fortified with iron in the control and prevention of anemia--a collaborative study. Report of the Working Group on Fortification of Salt with Iron. **Am J Clin Nutr** 1982 Jun;35(6):1442-51

Taste perception of sodium chloride in relation to dietary intake of salt. Pangborn RM, et al. **Am J Clin Nutr** 1982 Mar;35(3):510-20

Zinc nutrition and salt preference in rats. Jakinovich W Jr, et al. **Am J Physiol** 1981 Sep;241(3):R233-9

Role of sodium concentration of the cerebrospinal fluid in the salt appetite of sheep. Weisinger RS, et al. **Am J Physiol** 1982 Jan;242(1):R51-63

Relative contributions of the fraction of unfrozen water and of salt concentration to the survival of slowly frozen human erythrocytes. Mazur P, et al. **Biophys J** 1981 Dec; 36(3):653-75

An ultrasonic salinity telemetry transmitter for use on fish in estuaries. Priede IG. **Biotelem Patient Monit** 1982; 9(1):1-9

Voltage transients during ionic substitution in renal cortical tubules. Lopes AG, et al. **Experientia** 1982 May 15; 38(5):588-90

The properties of salt-extracted histone H1. Brand SH, et al. **FEBS Lett** 1981 Oct 12;133(1):63-6

Angiotensin and aldosterone elevation in salt-induced migraine. Brainard JB. **Headache** 1981 Sep;21(5):222-6

Evidence for a vascular sensitizing factor in plasma of saline-loaded dogs. Plunkett WC, et al. **Hypertension** 1982 Sep-Oct;4(5):581-9

Role of extracellular volume expansion in the development of DOC-salt hypertension in the rat. Villamil MF, et al. **Hypertension** 1982 Sep-Oct;4(5):620-4

Sodium regulation: Sensory aspects. Beauchamp GK, et al. **J Am Diet Assoc** 1982 Jan;80(1):40-5 (45 ref.)

Light-induced reaction of halorhodopsin prepared under low salt conditions. Ogurusu T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1267-73

Fretting corrosion in saline and serum. Brown SA, et al. **J Biomed Mater Res** 1981 Jul;15(4):479-88

Toward less painful anesthesia: water, saline, and lidocaine. Sperling LC, et al. **J Dermatol Surg Oncol** 1981 Sep; 7(9):730-1

Exaggerated salt appetite of spontaneously hypertensive rats is decreased by central angiotensin-converting enzyme blockade. DiNicolantonio R, et al. **Nature** 1982 Aug 26; 298(5877):846-8

Heymann nephritis-DOCA-NaCl hypertension in the rat. Role of nephritis, DOCA, NaCl, and vascular lesions in the development of hypertension. Tikkanen I, et al. **Nephron** 1981;28(2):90-5

Effect of methylxanthines on the spontaneous appetite for NaCl solutions in rats. Fregly MJ, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):182-7

Physiological saline solutions as a useful tool in micronucleus and metaphase slide preparations. Zambrano MA, et al. **Stain Technol** 1982 Jan;57(1):48-9

[The development of salt consumption in France] Cottet J. **Bull Mem Acad R Med Belg** 1981 Nov 28;136(11):556-65 (Eng. Abstr.) **(Fre)**

[Observations on enamel opacities in Switzerland in relation to water or salt fluoridation] de Crousaz P. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):332-44 (Eng. Abstr.) **(Fre)**

[Elimination of fluoride in urine during fluoridation of salt and drinking water] Wespi HJ, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1033-8 (Eng. Abstr.) **(Ger)**

[Dental caries in the cantons of Glarus and Waadt, 4 years and 8 years after the introduction of fluordized salt] Marthaler TM, et al. **Soz Praventivmed** 1981 Oct; 26(5):302-3 (Eng. Abstr.) **(Ger)**

[Practical recommendations on caries prevention after the introduction of salt with 250 mg F/kg] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):304-9 (Eng. Abstr.) **(Ger)**

[Milestones in the introduction of salt fluoridation in Switzerland] Hürny T. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):269-72 (Eng. Abstr.) **(Ger)**

[Salt fluoridation: the best fluoridation. An introduction] Mühlemann HR. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):251-4 (Eng. Abstr.) **(Ger)**

[Salt iodization as a forerunner of salt fluoridation] Wespi HJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):273-89 (52 ref.) (Eng. Abstr.) **(Ger)**

[Correlation between exposure to inorganic mercury vapors and hydrargyruria in the workers of a sodium chloride plant] Sale P, et al. **Ann Ist Super Sanita** 1981;17(3):637-9 **(Ita)**

[Reversible sterilization with a physiological solution in the rat: preliminary note] Gianaroli L, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3-4):135-41 (Eng. Abstr.) **(Ita)**

[Iodine content in iodized salt samples (author's transl) (letter)] Michaud P, et al. **Rev Med Chil** 1981 Jul; 109(7):681-2 **(Spa)**

[Drinking water with salt for cleaning and care of infected wounds] Brandberg A, et al. **Lakartidningen** 1982 Mar 3; 79(9):738-40 **(Swe)**

[Drinking water and salt instead of pharmaceutic salt solution?] Brandberg A, et al. **Lakartidningen** 1982 Mar 3;79(9):736-8 **(Swe)**

[Drinking water with salt should not be used without further clinical tests] Fritzson F, et al. **Lakartidningen** 1982 Mar 3;79(9):740-1 **(Swe)**

ADMINISTRATION & DOSAGE

Rapid correction of severe hyponatremia with intravenous hypertonic saline solution. Ayus JC, et al. **Am J Med** 1982 Jan;72(1):43-8

Habitual excessive dietary salt intake and blood pressure levels in renal transplant recipients. Kalbfleisch JH, et al. **Am J Med** 1982 Aug;73(2):205-10

Aortic morphology in salt-dependent genetic hypertension. Limas C, et al. **Am J Pathol** 1982 Jun;107(3):378-94

Salt loading augments vascular responses to indomethacin in stroke-prone SHR. Imaizumi T, et al. **Am J Physiol** 1982 Sep;243(3):H360-4

An increase in a circulating inhibitor of Na+,K+-dependent ATPase: a possible link between salt intake and the development of essential hypertension. MacGregor GA, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):17s-20s

Effect of acute and chronic salt loading on erythrocyte 22Na efflux in males with essential hypertension. Myers JB, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):37s-39s

Urinary excretion of prostaglandin E2, prostaglandin F2 alpha, and thromboxane B2 in normotensive and hypertensive subjects on varying sodium intakes. Campbell WB, et al. **Hypertension** 1982 Sep-Oct;4(5):735-41

Salt sensitivity of blood pressure in chronic renal failure. Evidence for renal control of body fluid distribution in man. Koomans HA, et al. **Hypertension** 1982 Mar-Apr; 4(2):190-7

Effect of intra amniotic saline and prostaglandin on fibrinolytic activity, prothrombin time and serum electrolytes -- a comparative study. Joshi VD, et al. **Indian J Physiol Pharmacol** 1981 Apr-Jun;25(2):167-70

Sequelae of mid-trimester abortions induced by extra-amniotic drip infusion of normal saline. Blum M. **Int Surg** 1979 Aug-Oct;64(5):45-7

Effect of diethylcarbamazine medicated common salt on Wuchereria bancrofti prophylaxis. Rao PK, et al. **J Commun Dis** 1980 Dec;12(4):205-9

Comparison of hypertonic saline and chlorhexidine mouthrinses after the inverse bevel flap procedure. Newman PS, et al. **J Periodontol** 1982 May;53(5):315-8

Sympathetic and pressor hyperresponsiveness to intracisternal injections of hypertonic NaCl in DOCA hypertensive rats. Takeda K, et al. **Jpn Circ J** 1981 Sep; 45(9):1126-9

Effect of sodium intake on the brain and the aortic angiotensin-converting enzyme activity in spontaneously hypertensive rat. Mizuno K, et al. **Jpn Heart J** 1981 Sep; 22(5):839-45

Morphologic changes in uranyl nitrate-induced acute renal failure in saline- and water-drinking rats. Haley DP. **Lab Invest** 1982 Feb;46(2):196-208

Effect of processed foods on the salt intake of preschool children: a pilot study. Miles JM, et al. **Med J Aust** 1982 Jul 10;2(1):23-5

Lack of an effect of saline loading on glycerol-induced acute renal failure. Cabili S, et al. **Nephron** 1982;30(1):73-6

Effect of intravenous and intracerebroventricular infusion of hypertonic solutions on plasma and cerebrospinal fluid vasopressin concentrations. Wang BC, et al. **Neuroendocrinology** 1982 Mar;34(3):215-21

Alterations in the toxicity of cis-dichlorodiammineplatinum-II and in tissue localization of platinum as a function of NaCl concentration in the vehicle of administration. Litterst CL. **Toxicol Appl Pharmacol** 1981 Oct;61(1):99-108

[Follow-up survey on the long-term effects of hetrazan medicated salt in the control of Malayi filariasis (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):234-5 **(Chi)**

[Observation on the effects of adding selenium to table salt for prevention of Keshan disease (author's transl)] Qian PC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):218-20 **(Chi)**

[Results of treatment by rotation in left-sided abomasal displacement (author's transl)] Uyanik N, et al. **Tijdschr Diergeneeskd** 1982 Apr 1;107(7):259-63 (Eng. Abstr.) **(Dut)**

[Negative relation between sodium intake and prolactinaemia in the normal subject (author's transl)] Rohmer V, et al. **Ann Endocrinol (Paris)** 1981 Jul-Sep;42(3):195-203 (Eng. Abstr.) **(Fre)**

[Prophylactic measures with iodized and fluoridated salt in Switzerland can be successful] Spinnler K. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):290-4 (Eng. Abstr.) **(Ger)**

[Salt iodization as a forerunner of salt fluoridation] Wespi HJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):273-89 (52 ref.) (Eng. Abstr.) **(Ger)**

[Irrigation of the knee joint during arthroscopy as a method of treating of patients with rheumatoid arthritis and osteoarthritis deformans] Luchikhina LV. **Ter Arkh** 1981; 53(7):99-103 (Eng. Abstr.) **(Rus)**

[Combined treatment with sodium chloride mineral water in chronic cholecystitis] Kharchenko NV, et al. **Vrach Delo** 1982 Feb;(2):35-7 **(Rus)**

ADVERSE EFFECTS

Ethnic patterns of salt purchase in Houston, Texas. Kerr GR, et al. **Am J Epidemiol** 1982 Jun;115(6):906-16

Cerebellar degeneration in the rat following rapid correction of hyponatremia. Kleinschmidt-DeMasters BK, et al. **Ann Neurol** 1981 Dec;10(6):561-5

Bezoar therapy. Complication using Adolph's Meat Tenderizer and alternatives from literature review. Zarling EJ, et al. **Arch Intern Med** 1981 Nov;141(12):1669-70

Dietary salt and hypertension. Morgan T, et al. **Aust Fam Physician** 1982 Apr;11(4):264-7

Bronchial hyperreactivity after inhalation of distilled water and saline [letter] Lewis R, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):47

Bronchial hyperreactivity to distilled water and saline [letter] Spector SL. **Br Med J [Clin Res]** 1982 Apr 10; 284(6322):1117

Paraventricular--suprachiasmatic lesions prevent salt-induced hypertension in Dahl rats. Azar S, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):49s-51s

Effects of a low-salt diet and of acute salt loading on blood pressure and intralymphocytic sodium concentration in young subjects with borderline hypertension. Costa FV, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):21s-23s

Potassium citrate feeding protects against nephron loss in severe sodium chloride hypertension in rats. Ganguli M, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):73s-75s

Brain lesions in the paraventricular nuclei and catecholaminergic neurons minimize salt hypertension in Dahl salt-sensitive rats. Goto A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):53s-55s

Hypertension, cerebrovascular disease and stomach cancer: is the salt hypothesis true? Whelton PK, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):369s-371s

Polyuria and polydypsia in a horse induced by psychogenic salt consumption. Buntain BJ, et al. **Equine Vet J** 1981 Oct; 13(4):266-8

Calcium antagonist nifedipine normalizes high blood pressure and prevents mortality in salt-loaded ds substrain of Dahl rats. Garthoff B, et al. **Eur J Pharmacol** 1981 Aug 27; 74(1):111-2

Hypertension and the Department of Health and Human Services. Rubin RJ, et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):III152-6

Early complications and sequence of pregnancy interruption with hypertonic saline. Borenstein R, et al. **Int J Fertil** 1980;25(2):88-93

The so-called 'salt tablet issue' concerning soft contact lenses [letter] Wittmer LW. **J Am Optom Assoc** 1981 Sep; 52(9):699

Salt and hypertension [letter] Finn R. **Lancet** 1981 Sep 19; 2(8247):632

Nutrition and gastric cancer. Joossens JV, et al. **Nutr Cancer** 1981;2(4):250-61

Dangers of Hydra-Lyte [letter] Walker SH. **Pediatrics** 1981 Sep;68(3):463-4

[Influence of sodium-restricted diet and food allergy in the treatment of epilepsy] Leite CE. **Arq Neuropsiquiatr** 1981 Sep;39(3):327-35 (Eng. Abstr.) **(Por)**

[Population study of the relations between the blood pressure, excessive weight in women and excessive consumption of salt and liquids] Eliseeva NA, et al. **Ter Arkh** 1982; 54(5):57-60 **(Rus)**

[Hypertonic sodium chloride as an emetic--a dangerous method] Persson H, et al. **Lakartidningen** 1981 Sep 30; 78(40):3498-9 (Eng. Abstr.) **(Swe)**

ANALYSIS

Further evidence for an inverse relationship between macula densa NaCl concentration and filtration rate. Briggs J, et al. **Pflugers Arch** 1982 Feb;392(4):372-8

Regional difference in sodium chloride content in home-made and store-bought preparations of miso paste. Watanabe T, et al. **Tohoku J Exp Med** 1982 Jul; 137(3):305-13

[Insoluble contaminants in large-volume parenteral infusion fluids. Use of the particle counter LZ-2] Pawlaczyk J, et al. **Acta Pol Pharm** 1981;38(4):473-8 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Dietary linoleic acid and salt-induced hypertension. Macdonald MC, et al. **Can J Physiol Pharmacol** 1981 Aug; 59(8):872-5

DIAGNOSTIC USE

Correlation of bronchial responsiveness to diluent and to histamine. Cockcroft DW, et al. **Ann Allergy** 1982 Sep; 49(3):139-41

Bronchial hyperreactivity in response to inhalation of ultrasonically nebulised solutions of distilled water and saline. Schoeffel RE, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1285-7

Sodium elevates the plasma glucose response to glucose ingestion in man. Ferrannini E, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):455-8

[Effect of acute furosemide and sodium chloride load on the hormone level of the blood of ischemic heart disease patients] Livshits IB. **Kardiologiia** 1982 Mar;22(3):73-6 (Eng. Abstr.) **(Rus)**

METABOLISM

Coupled NaCl entry into Necturus gallbladder epithelial cells. Ericson AC, et al. **Am J Physiol** 1982 Sep; 243(3):C140-5

NaCl transport in mouse medullary thick ascending limbs. II. ADH enhancement of transcellular NaCl cotransport; origin of transepithelial voltage. Hebert SC, et al. **Am J Physiol** 1981 Oct;241(4):F432-42

NaCl transport in mouse medullary thick ascending limbs. III. Modulation of the ADH effect by peritubular osmolality. Hebert SC, et al. **Am J Physiol** 1981 Oct; 241(4):F443-51

NaCl transport in mouse medullary thick ascending limbs. I. Functional nephron heterogeneity and ADH-stimulated NaCl cotransport. Hebert SC, et al. **Am J Physiol** 1981 Oct;241(4):F412-31

Chloride self-exchange in toad skeletal muscle in vivo and in vitro. Macchia DD. **Am J Physiol** 1982 Mar; 242(3):C107-17

In situ studies of the distal convoluted tubule in the rat. I. Evidence for NaCl secretion. Schnermann J, et al. **Am J Physiol** 1982 Aug;243(2):F160-6

NaCl entry mechanisms in the luminal membrane of the renal tubule. Warnock DG, et al. **Am J Physiol** 1982 Jun; 242(6):F561-74 (146 ref.)

A theoretical study on the sucrose gap technique as applied to multicellular muscle preparations. I. Saline-sucrose interdiffusion. Lammel E. **Biophys J** 1981 Dec;36(3):533-53

Influence of ovine growth hormone on water and NaCl absorption by the rat proximal jejunum and distal ileum. Mainoya JR. **Comp Biochem Physiol [A]** 1982;71(3):477-9

A quantitative survey of salt and water excretion. Skadhauge E. **Comp Biochem Physiol [A]** 1982;71(4):481-3

Salt and water excretion by birds: the lower intestine as an integrator of renal and intestinal excretion. Thomas DH. **Comp Biochem Physiol [A]** 1982;71(4):527-35 (66 ref.)

Colon absorption of water and NaCl in the rat during lactation and the possible involvement of prolactin. Mainoya JR. **Experientia** 1981 Oct 15;37(10):1083-4

Effects of teleost urotensins on intestinal absorption of water and Nacl in tilapia, sarotherodon mossambicus, adapted to fresh water or seawater. Mainoya JR, et al. **Gen Comp Endocrinol** 1982 May;47(1):54-8

A comparison of acute reversible pre- and postsinusoidal portal hypertension on salt and water retention in the dog. Campbell V, et al. **Hepatology** 1982 Jan-Feb;2(1):54-8

Ethacrynic acid inhibits transcellular NaCl reabsorption in dog kidneys in doses of 1 to 10 mg.kg-1 and proximal bicarbonate-dependent reabsorption at higher doses. Steen PA, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):505-9

The effect of pregnancy on glomerular filtration rate and salt and water reabsorption in the rat. Atherton JC, et al. **J Physiol (Lond)** 1981;319:153-64

Dietary risk factors of stroke and hypertension in Japan -- Part 2: Validity of urinalysis for dietary salt and protein intakes under a field condition. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):939-43

Dietary risk factors of stroke and hypertension in Japan -- Part 1: Methodological assessment of urinalysis for dietary salt and protein intakes. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):933-8

Mineralocorticoid-resistant renal hyperkalemia without salt wasting (type II pseudohypoaldosteronism): role of increased renal chloride reabsorption. Schambelan M, et al. **Kidney Int** 1981 May;19(5):716-27

Presence of luminal K+, a prerequisite for active NaCl transport in the cortical thick ascending limb of Henle's loop of rabbit kidney. Greger R, et al. **Pflugers Arch** 1981 Nov;392(1):92-4

Sodium chloride absorption by flounder intestine: a model for the renal thick ascending limb. Frizzell RA, et al. **Prog Clin Biol Res** 1981;73:67-81

[Sodium chloride metabolism in a group of men] Poulsen LO, et al. **Ugeskr Laeger** 1981;143(34):2138-41 (Eng. Abstr.) **(Dan)**

[24-hour urinary fluoride excretion in salt- and drinking-water fluoridation] Hefti A, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug; 91(8):559-65 (Eng. Abstr.) **(Ger)**

[Sodium transport in the kidney tubules] Nakamura R, et al. **Nippon Rinsho** 1982;40(3):566-74 **(Jpn)**

PHARMACODYNAMICS

Effects on cerebral blood flow of infusion of hyperosmolar saline during cerebral vasodilation in the dog. Arvidsson S, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):153-7

Action of cortisol introduced into the supraoptic nucleus, on vasopressin release and antidiuresis during hypertonic saline infusion in conscious rhesus monkeys. Streeten DH, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):195-204

The measurement of bile acid-dependent and independent fractions of rat bile. Rassero JA, et al. **Acta Physiol Lat Am** 1978;28(6):309-13

Oxygen consumption in rabbit Langendorff hearts perfused with a saline medium. Edlund A, et al. **Acta Physiol Scand** 1981 Sep;113(1):117-22

Drinking in goats as effect of simultaneous intravenous infusions of angiotensin (I or II) and hypertonic NaCl or mannitol. Eriksson S, et al. **Acta Physiol Scand** 1981; 113(3):393-7

A study of the effect of stimulated endogenous prostaglandin synthesis on urine flow, osmolar excretion rate, and renin release in hydropenic and saline loaded, anesthetized rats. Leyssac PP, et al. **Acta Physiol Scand** 1981 Sep; 113(1):23-31

The effect of NaCl on Campylobacter jejuni/coli. Hänninen ML. **Acta Vet Scand** 1981;22(3-4):578-88

Resistance of Semliki forest virus protein synthesis to high salt treatment. Erdei S. **Acta Virol (Praha)** 1981 Sep; 25(5):257-65

Influence of dietary linoleic acid content on blood pressure regulation in salt-loaded rats (with special reference to the prostaglandin system). Hoffmann P, et al. **Adv Lipid Res** 1981;18:203-27 (106 ref.)

Aldosterone and the enhanced natriuresis of hypertonic infusions in the dog. Childers JW, et al. **Am J Physiol** 1982 Jan;242(1):F30-7

Dissociation of saline-induced natriuresis from urea washout in the rat. Gennari FJ, et al. **Am J Physiol** 1981 Sep; 241(3):F250-6

Hyperosmotic NaCl and severe hemorrhagic shock: role of the innervated lung. Lopes OU, et al. **Am J Physiol** 1981 Dec;241(6):H883-90

Impaired renal response to splanchnic infusion of hypertonic saline in conscious cirrhotic rats. López-Novoa JM, et al. **Am J Physiol** 1982 Apr;242(4):F390-4

Effects of saline on continuously recorded filtration fractions in cat kidney. Rasmussen SN, et al. **Am J Physiol** 1982 Jul;243(1):F96-101

Effect of NaCl on kinetics of D-glucosamine uptake in yeasts differing in halotolerance. Lindman B. **Antonie Van Leeuwenhoek** 1981;47(4):297-306

Glutamine and proline accumulation by Staphylococcus aureus with reduction in water activity. Anderson CB, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1501-3

Response of Campylobacter jejuni to sodium chloride. Doyle MP, et al. **Appl Environ Microbiol** 1982 Mar;43(3):561-5

Development of high heat resistance of Arizona neotype by preincubation at 35 degrees C in media containing NaCl.

Ng H. **Appl Environ Microbiol** 1982 Jun;43(6):1294–9
Resealing to small solutes of white erythrocyte membranes after incubation with EDTA, Ca2+, salt, sucrose, phospholipase C. Moore RB, et al.
Arch Biochem Biophys 1981 Oct 1;211(1):179–91
The effects of salinity on copper and silver toxicity to embryos of the Pacific oyster. Coglianese MP.
Arch Environ Contam Toxicol 1982;11(3):297–303
Effects of inhaled sulfur dioxide (SO2) on pulmonary function in healthy adolescents: exposure to SO2 alone or SO2 + sodium chloride droplet aerosol during rest and exercise. Koenig JQ, et al. **Arch Environ Health** 1982 Jan–Feb;37(1):5–9
Effect of sodium chloride and sorbitol infusions on vascular angiotensin reactivity during third trimester pregnancy. Oney T, et al. **Arch Gynecol** 1982;231(2):99–105
Factors regulating drug cue sensitivity: the effect of frustrative non-reward in fentanyl-saline discrimination. Colpaert FC, et al. **Arch Int Pharmacodyn Ther** 1981 Dec; 254(2):241–51
Ion effects on the lac repressor—operator equilibrium. Barkley MD, et al. **Biochemistry** 1981 Jun 23; 20(13):3842–51
Salt dependence of the kinetics of the lac repressor–operator interaction: role of nonoperator deoxyribonucleic acid in the association reaction. Barkley MD. **Biochemistry** 1981 Jun 23;20(13):3833–42
Salt-induced conformational changes in the catalytic subunit of adenosine cyclic 3',5'-phosphate dependent protein kinase. Use for establishing a connection between one sulfhydryl group and the gamma-P subsite in the ATP site of this subunit. Jiménez JS, et al. **Biochemistry** 1982 Mar 30;21(7):1623–30
Differential effect of hypertonic initiation block on the synthesis of collagen chains by cultured chick embryo cells. Pawlowski PJ. **Biochemistry** 1982 Jan 5;21(1):34–8
Effect of salts on membrane binding and activity of adipocyte phosphatidate phosphohydrolase. Moller F, et al.
Biochim Biophys Acta 1982 Jun 11;711(3):521–31
The adhesion of glow—discharge polymers, Silastic and Parylene to implantable platinum electrodes: results of tensile pull tests after exposure to isotonic sodium chloride. Sadhir RK, et al. **Biomaterials** 1981 Oct;2(4):239–43
Electrical determination of viability in saline-treated mouse myeloma cells. Matsushita T, et al. **Biophys J** 1982 Jul; 39(1):41–7
Effects of centrally administered endogenous opioid peptides on drinking behavior, increased plasma vasopressin concentration and pressor response to hypertonic sodium chloride. Summy-Long JY, et al. **Brain Res** 1981 Sep 28; 221(2):343–57
Dopamine agonist-induced restoration of drinking in response to hypertonic saline in adipsic dopamine denervated rats. Dourish DT, et al. **Brain Res Bull** 1982 Apr;8(4):375–9
Factors affecting the lytic susceptibility of some marine and terrestrial bacteria. Laddaga RA, et al. **Can J Microbiol** 1982 Apr;28(4):414–24
Salt extends the upper temperature limit for growth of food-poisoning bacteria. Tesone S, et al.
Can J Microbiol 1981 Sep;27(9):970–2
Impairment of neurally-mediated vasoconstriction in DOCA–salt hypertensive dogs. Hamed AT, et al.
Clin Exp Hypertens [A] 1982;4(6):867–81
The mechanical properties of human dura mater and the effects of storage media. van Noort R, et al.
Clin Phys Physiol Meas 1981 Aug;2(3):197–203
Tubular function in glycerol-induced acute renal failure in rats: effect of saline loading and prior acute renal failure. Westenfelder C, et al. **Clin Sci** 1982 Jun;62(6):667–76
The fluorescence intensity of propidium iodide bound to DNA depends on the concentration of sodium chloride. Martens AC, et al. **Cytometry** 1981 Jul;2(1):24–5
Reversal by a dopamine antagonist of saline-induced attenuation of aldosterone response to angiotensin II infusion in man. Kojima I, et al. **Endocrinol Jpn** 1982 Feb; 29(1):21–5
High salt effect on RNA synthesis in Krebs ascites tumor cells. Gökçe S, et al. **Experientia** 1982 Jun 15;38(6):666–7
Abdominal vagotomy attenuates drinking induced by intravenous infusion of various osmotic loads in the rat. Martin JR, et al. **Experientia** 1982 Jan 15;38(1):105–6
Restitution of the surface epithelium of the in vitro frog gastric mucosa after damage with hyperosmolar sodium chloride. Morphologic and physiologic characteristics. Svanes K, et al. **Gastroenterology** 1982 Jun;82(6):1409–26
Changes in catecholamine content of the hypothalamus during adaptation of fish to changed external salinity. Hegab SA, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):324–34
Blood and pituitary prolactin levels in tilapia (Sarotherodon mossambicus; Teleostei) from different salinities as measured by a homologous radioimmunoassay. Nicoll CS, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):365–73
Plasma arginine vasotocin concentrations in the lizard Varanus gouldii (Gray) following water loading, salt loading, and dehydration. Rice GE.
Gen Comp Endocrinol 1982 May;47(1):1–6
Renin-like activity in the rat brain during the development of DOC-salt hypertension. Basso N, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-14–7
Vasopressin-central nervous system interactions in the development of DOCA hypertension. Berecek KH, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):131–7
Vasopressin in salt-induced hypertension of experimental renal insufficiency. DiPette DJ, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):125–30
Physiologic regulation of arterial pressure. An overview. Dustan HP. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):II62–7
Baroreceptor reflex influence on peripheral circulations in salt-loading hypertension in dogs. Liard JF, et al.
Hypertension 1982 Sep–Oct;4(5):597–603
Modulation of brain angiotensin-converting enzyme by dietary sodium and chronic intravenous and intracerebroventricular fusion of angiotensin II. Mendelsohn FA, et al. **Hypertension** 1982 Sep–Oct; 4(5):590–6
Adrenergic mechanisms do not contribute to salt-induced vasoconstriction in stroke-prone spontaneously hypertensive rat. Takeshita A, et al. **Hypertension** 1982 Mar–Apr;4(2):288–93
Effect of high and low sodium intake on norepinephrine turnover in the cardiovascular tissues and brain stem of the rabbit. Tanaka T, et al. **Hypertension** 1982 Mar–Apr; 4(2):294–8
Influence of sodium and potassium ions on acid production by washed cells of Streptococcus mutans ingbritt and Streptococcus sanguis NCTC 7865 grown in a chemostat. Marsh PD, et al. **Infect Immun** 1982 May;36(2):476–83
The influence of alkali metal chlorides on environmentally-linked behavioural stereotypies in the rat. Johnson FN. **Int J Neurosci** 1981;13(4):199–204
Renin – aldosterone system response to chronic salt loading and volume contraction in puppies. John EG, et al.
Int J Pediatr Nephrol 1981 Mar;2(1):9–15
The effect of hypo- and hypertonic NaCl solutions on cellular damage resulting from combined treatments of heat and X-rays. Raaphorst GP, et al. **Int J Radiat Biol** 1981 Dec;40(6):633–43
Lung tissue volume changes induced by hypertonic NaCl: morphometric evaluation. Wangensteen D, et al.
J Appl Physiol 1981 Dec;51(6):1443–50
A new in vitro assay for human thyroid stimulator using cultured thyroid cells: effect of sodium chloride on adenosine 3',5'-monophosphate increase. Kasagi K, et al.
J Clin Endocrinol Metab 1982 Jan;54(1):108–14
Effect of varying dietary ratio of sodium and chloride on the responses of lactating dairy cows in hot weather. Coppock CE, et al. **J Dairy Sci** 1982 Apr;65(4):552–65
Lactating dairy cow responses to dietary sodium, chloride, and bicarbonate during hot weather. Coppock CE, et al.
J Dairy Sci 1982 Apr;65(4):566–76
Effects of intraruminal infusions of mineral salts on volatile fatty acid production in steers fed high-grain and high-roughage diets. Rogers JA, et al. **J Dairy Sci** 1982 Jun;65(6):953–62
Alteration of rumen fermentation, milk fat synthesis, and nutrient utilization with mineral salts in dairy cows. Rogers JA, et al. **J Dairy Sci** 1982 Apr;65(4):577–86
Prolactin release in response to infusion of isotonic or hypertonic saline. Bliss DJ, et al. **J Endocrinol** 1982 Feb; 92(2):273–8
Urea cycle enzymes and glutamate dehydrogenase in Xenopus laevis and Bufo viridis adapted to high salinity. Lee AR, et al. **J Exp Zool** 1982 Jun 10;221(2):169–72
The effect of hypertonic salt on interferon and interferon mRNA synthesis in human MG63 cells. Meager A, et al.
J Gen Virol 1982 Mar;59(Pt 1):177–81
Drosophila melanogaster populations selected for resistance to NaCl and CuSo4 in both allopatry and sympatry. Wallace B. **J Hered** 1982 Jan–Feb;73(1):35–42
Effects of NaCl on the growth of some gram-negative bacilli on solid media. Roland FP. **J Infect Dis** 1982 May; 145(5):769
Effects of hyperosmolality on calcium mobilization in renal inner medulla: relationship to alterations in prostaglandin E synthesis. Craven PA, et al. **J Lab Clin Med** 1982 Jun; 99(6):806–15
Renin and aldosterone responses to short-term NaCl or NaHCO3 loading in man. Julian BA, et al.
J Lab Clin Med 1982 Aug;100(2):261–8
Electrolytes control flows of water across the apical barrier in toad skin: the hydrosmotic salt effect. Benedictis EM, et al. **J Membr Biol** 1982;67(2):125–35
Physiological saline diminishes central behavioural stimulation produced by angiotensin II. Braszko JJ.
J Pharm Pharmacol 1981 Mar;33(3):192–3
Permeability of rabbit skin and muscle microvasculature after saline infusion. Mullins RJ, et al. **J Surg Res** 1982 Apr; 32(4):390–400
The role of brain angiotensin II in the mechanism of the pressor responses to intracisternal injection of hypertonic NaCl in urethane anesthetized rats. Takeda K, et al.
Jpn Circ J 1982 May;46(5):534–9
Role of protein adsorption in micropore passability of red blood cells. Kikuchi Y, et al. **Jpn J Physiol** 1981; 31(6):903–15
Effects of salt intake and renal denervation on catecholamine catabolism and excretion. Baines AD. **Kidney Int** 1982 Feb; 21(2):316–22
Feedback-mediated reduction of glomerular filtration rate during infusion of hypertonic saline. Schnermann J, et al.
Kidney Int 1981 Oct;20(4):462–8
Sodium chloride as regulator of renal prostaglandin E2 production in patients with essential hypertension. Stahl RA, et al. **Klin Wochenschr** 1982 Jun 1;60(11):579–81
Developmental effects of intraperitoneal saline injections in neonatal rats. Martin SM, et al. **Life Sci** 1981 Jul 13; 29(2):143–9
Dietary sodium regulation of blood pressure and renal alpha 1- and alpha 2-receptors in WKY and SH rats. Sanchez A, et al. **Life Sci** 1981 Dec 28;29(26):2795–802
Titration of bactericidal activity against smooth and rough strains of Salmonella which are resistant in isotonic medium. Ihara I, et al. **Microbiol Immunol** 1981; 25(8):751–62
Chemical sympathectomy abolishes the increase in blood pressure of linoleic acid deficient fed rats induced by salt loading. Hoffmann P, et al.
Naunyn Schmiedebergs Arch Pharmacol 1981 Aug; 317(1):78–80
Saline- and glycerol-induced acute renal failure: 'protection' occurs after insult. Wilkes BM, et al. **Nephron** 1982; 30(4):352–6
Effect of adrenalectomy and sodium intake on sympathetic nervous function in the rat. Dailey JW, et al.
Neuropharmacology 1981 Sep;20(9):877–81
Interaction of hypertonic NaCl solution and neural stimuli on lateral preoptic neurons. Sessler FM, et al.
Neurosci Lett 1981 Nov 4;26(3):319–24
Tastes of fifteen halide salts following water and NaCl: anion and cation effects. Murphy C, et al. **Physiol Behav** 1981 Jun;26(6):1083–95
Intracerebral injections of isotonic saline prevent behavioral deficits from brain damage. Sabel BA, et al.
Physiol Behav 1982 Jun;28(6):1017–23
Active ion transport in dog tongue: a possible role in taste. DeSimone JA, et al. **Science** 1981 Nov 27; 214(4524):1039–41
[Effect of sodium balance after parathyroidectomy on hypertension in SHR and DOCA + saline treated rats] Pernot F, et al. **C R Soc Biol (Paris)** 1982;176(2):216–22 (Eng. Abstr.) **(Fre)**
[Sodium chloride tolerance in strains of Aspergillus and Dermatophytes of the human microflora (author's transl)] Schönborn C. **Mykosen** 1981 Dec;24(12):752–60 (Eng. Abstr.) **(Ger)**
[Thyroid weights and iodized salt prophylaxis: a comparative study from autopsy material from the Institute of Pathology, University of Zurich] Gerber D.
Schweiz Med Wochenschr 1980 Dec 27;110(52):2010–7 (Eng. Abstr.) **(Ger)**
[Effect of methylxanthines on urinary prostaglandin E excretion of rats acutely loaded with salt and water (author's transl)] Takeuchi K, et al.
Nippon Yakurigaku Zasshi 1981 Apr;77(4):427–34 (Eng. Abstr.) **(Jpn)**
[Effect of the method of preserving actinomycetes in an isotonic sodium chloride solution on their cultural and morphological properties as well as on their antibiotic activity] Orlova RS, et al. **Antibiotiki** 1981 Aug; 26(8):578–80 (Eng. Abstr.) **(Rus)**
[Effect of salt on the functional state of the renin-angiotensin-aldosterone system in healthy persons and hypertensives] Suvorov IuI, et al. **Kardiologiia** 1981 Jul;21(7):36–41 (Eng. Abstr.) **(Rus)**
[Electrolyte effect on heliotrine and lasiocarpine extraction with organic solvents] Ikramova MV, et al.
Sud Med Ekspert 1981 Jul–Aug;24(3):44–5 (Eng. Abstr.) **(Rus)**
[Inosine as a protective agent for the kidney during ischemia. Comparative study] Gallo Rolania FJ, et al.
Actas Urol Esp 1981 Sep–Oct;5(5):281–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Why salt? how much? Darby WJ. **ASDC J Dent Child** 1981 Sep–Oct;48(5):372–5 (11 ref.)
Transcriptionally active chromatin in loops of lampbrush chromosomes at physiological salt concentrations as revealed by electron microscopy of sections. Spring H, et al. **Eur J Cell Biol** 1981 Jun;24(2):298–308
Attenuation of blood pressure increases in Dahl salt-sensitive rats by exercise. Shepherd RE, et al. **J Appl Physiol** 1982 Jun;52(6):1608–13
Prostaglandins participate in the regulation of NaCl absorption in the diluting segments of the nephron in vivo: effects of furosemide. Düsing R, et al. **Renal Physiol** 1982 May–Jun;5(3):115–23

POISONING

A case of presumptive salt poisoning (water deprivation) in veal calves. Pearson EG, et al. **Cornell Vet** 1982 Apr; 72(2):142–9
Fatal poisoning with sodium chloride. Gresham GA, et al. **Forensic Sci Int** 1982 Jul–Aug;20(1):87–8
Iatrogenic salt poisoning in captive sandhill cranes. Franson JC, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1211–3
Fatal salt poisoning in a child [letter] Streat S.
NZ Med J 1982 Apr 28;95(706):285–6

THERAPEUTIC USE

Filamentary keratitis. Hamilton W, et al.
Am J Ophthalmol 1982 Apr;93(4):466–9
The effect of penicillamine on posttraumatic vitreous

proliferation. Weiss JF, et al. **Am J Ophthalmol** 1981 Nov; 92(5):625–7

Hyperosmotic NaCl and severe hemorrhagic shock: role of the innervated lung. Lopes OU, et al. **Am J Physiol** 1981 Dec;241(6):H883–90

Comparison of bupivacaine, etidocaine, and saline for trigger–point therapy. Hameroff SR, et al. **Anesth Analg (Cleve)** 1981 Oct;60(10):752–5

Termination of midtrimester missed abortion by extraovular instillation of normal saline. Abramovici H, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):931–3

Beneficial effects of propylene and polyethylene glycol and saline in the treatment of perennial rhinitis. Spector SL, et al. **Clin Allergy** 1982 Mar;12(2):187–96

Iced saline lavage does not slow bleeding from experimental canine gastric ulcers. Gilbert DA, et al. **Dig Dis Sci** 1981 Dec;26(12):1065–8

Saline flush: a simple method of reducing diazepam–induced thrombophlebitis. Dutt MK, et al. **J R Soc Med** 1982 Apr; 75(4):231–3

Hyponatremia in the syndrome of inappropriate secretion of antidiuretic hormone. Rapid correction with urea, sodium chloride, and water restriction therapy. Decaux G, et al. **JAMA** 1982 Jan 22–29;247(4):471–4

Home oral sugar salt solution using the 'blue spoon' for acute infantile gastroenteritis. Azis AL, et al. **Paediatr Indones** 1981 May–Jun;21(5–6):107–14

Hormonal profile during termination of midtrimester pregnancy by extraovular instillation of saline: plasma levels of prostaglandins, progesterone and human chorionic gonadotropin. Bauminger S, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):83–92

[Treatment of ranulae with 30% sodium chloride (author's transl)] Zhu DY. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):165–6 **(Chi)**

[Arrhythmias in poisoning with tricyclic antidepressive agents. Successful treatment with physostigmine and sodium] Seitz R, et al. **Dtsch Med Wochenschr** 1982 Jul 16;107(28):1096–9 (Eng. Abstr.) **(Ger)**

TOXICITY

Hypertension in Brattleboro rats and the injurious influence of salt in youth. Dlouhá H, et al. **Physiol Bohemoslov** 1981; 30(6):531–8

SODIUM CLOXACILLIN see **CLOXACILLIN**

SODIUM CROMOGLYCATE see **DISODIUM CROMOGLYCATE**

SODIUM CYANIDE see under **CYANIDES**

SODIUM DODECYL SULFATE

Removal of sodium dodecyl sulfate from proteins and peptides by gel filtration. Amons R, et al. **Anal Biochem** 1981 Sep 15;116(2):439–43

Influence of the composition of commercial sodium dodecyl sulfate preparations on the separation of alpha– and beta–tubulin during polyacrylamide gel electrophoresis. Best D, et al. **Anal Biochem** 1981 Jul 1;114(2):281–4

Protein cleavage by boiling in sodium dodecyl sulfate prior to electrophoresis. Kowit JD, et al. **Anal Biochem** 1982 Jun;123(1):86–93

Method for rapid removal of sodium dodecyl sulfate from polyacrylamide gels. Phillips HM. **Anal Biochem** 1981 Nov 1;117(2):398–401

Effect of dodecyl sulfate on the spectral properties of phenylalanyl residues in serum albumin detected by second derivative spectrophotometry. Ichikawa T, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):33–7

The addition of SDS to the Bradford dye–binding protein assay, a modification with increased sensitivity to collagen. Duhamel RC, et al. **J Biochem Biophys Methods** 1981 Aug; 5(2):67–74

[Chromatography of membrane proteins in sodium dodecyl sulfate. I) Methods] Landi FL, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2094–7 (Eng. Abstr.) **(Ita)**

[Chromatography of membrane proteins in sodium dodecyl sulfate. II) Membrane proteins of some human cutaneous tumors] Landi FL, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2098–103 **(Ita)**

[The mechanism of binding of sodium dodecyl sulfate by lysozyme] Skripkin AIu, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1364–70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Rapid spectrophotometric assay of dodecyl sulfate using acridine orange. Sokoloff RL, et al. **Anal Biochem** 1981 Nov 15;118(1):138–41

DIAGNOSTIC USE

New method for hemoglobin determination by using sodium lauryl sulfate (SLS). Oshiro I, et al. **Clin Biochem** 1982 Apr;15(2):83–8

METABOLISM

Interaction between the alpha 1 chain of rat tail collagen and sodium dodecyl sulfate with reference to its behaviour in SDS–polyacrylamide gel electrophoresis. Kubo K, et al. **Biochim Biophys Acta** 1982 May 3;703(2):180–6

A 'liver' antigen associated with avian erythroblastosis: binding by bentonite and precipitation with sodium dodecyl sulphate. Darcel CL. **Can J Comp Med** 1982 Jan;46(1):97–9

Physical properties of bovine white matter proteolipid apoprotein–sodium dodecyl sulfate complexes. Sakura JD. **J Neurosci Res** 1981;6(6):689–700

[Ultrastructural organization of bacteria destroying sodium dodecyl sulfate] Stavskaia SS, et al. **Dokl Akad Nauk SSSR** 1982;262(5):1261–4 **(Rus)**

PHARMACODYNAMICS

The dissociation of glucose oxidase by sodium n–dodecyl sulphate. Jones MN, et al. **Biochem J** 1982 Apr 1; 203(1):285–91

Shape and volume changes in rat erythrocytes induced by surface–active alkyltrimethylammonium salts and sodium dodecyl sulphate. Isomaa B, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):211–22

Denaturation and renaturation of bacteriorhodopsin in detergents and lipid–detergent mixtures. London E, et al. **J Biol Chem** 1982 Jun 25;257(12):7003–11

Oligosaccharide accessibility to peptide:N–glycosidase as promoted by protein–unfolding reagents. Tarentino AL, et al. **J Biol Chem** 1982 Sep 25;257(18):10776–80

Solubility of enamel powder following treatments with 1% sodium dodecyl sulphate in the presence and absence of fluoride. Galon E, et al. **J Oral Rehabil** 1981 Jun; 8(4):359–62

TOXICITY

Delayed time course of irritation by sodium lauryl sulfate: observations on threshold reactions. Bruynzeel DP, et al. **Contact Dermatitis** 1982 Jul;8(4):236–9

SODIUM ETIDRONATE

Reaction of 99mTc–diphosphonate with N–donor ligands. Johannsen B. **Int J Appl Radiat Isot** 1982 Jun;33(6):429–32

The influence of experimental conditions on the formation of various 99mTc(Sn)EHDP complexes. van den Brand JA, et al. **Int J Appl Radiat Isot** 1982 Jan;33(1):39–45

ADVERSE EFFECTS

Effect of sodium etidronate and phenytoin on Pagetic bone [letter] Fogelman I, et al. **Calcif Tissue Int** 1982 Jan; 34(1):113

Effect of sodium etidronate and phenytoin of Pagetic bone. Perry HM 3d, et al. **Calcif Tissue Int** 1981;33(3):285–6

Focal mineralization defect during disodium etidronate treatment of calcinosis. Weinstein RS. **Calcif Tissue Int** 1982 May;34(3):224–8

DIAGNOSTIC USE

Accumulation of Tc–99m phosphorus compounds in medullary carcinoma of the thyroid: report of two cases. Shigeno C, et al. **Clin Nucl Med** 1982 Jun;7(6):297–8

99mTc–labelled Cu(I)–EHDP, a potential skeletal imaging agent. Agha NH, et al. **Nuklearmedizin** 1981 Dec; 20(6):299–304

METABOLISM

A comparison of skeletal uptakes of three diphosphonates by whole–body retention: concise communication. Fogelman I, et al. **J Nucl Med** 1981 Oct;22(10):880–3

PHARMACODYNAMICS

The influence of 1–hydroxyethane–1,1–diphosphonate and dichloromethanediphosphonate on lysine hydroxylation and cross–link formation in rat bone, cartilage and skin collagen. Guenther HL, et al. **Biochem J** 1981 Apr 15; 196(1):303–10

The effects of 1–hydroxyethane–1,1–diphosphonate and dichloromethanediphosphonate on collagen synthesis by rabbit articular chondrocytes and rat bone cells. Guenther HL, et al. **Biochem J** 1981 Apr 15;196(1):293–301

Effects of two diphosphonates (EHDP and Cl2MDP) on serum uric acid in pagetic patients. Arlot ME, et al. **Calcif Tissue Int** 1981;33(3):195–8

Blood: bone disequilibrium. V. Effects of a diphosphonate (EHDP) on phosphate fluxes in rat calvaria. Neuman WF, et al. **Calcif Tissue Int** 1982 Mar;34(2):145–8

Effect of EHDP on calcium accumulation and technetium–99m pyrophosphate uptake in experimental myocardial infarction. Buja LM, et al. **Circulation** 1981 Nov;64(5):1012–7

The effect of long–term low–dose diphosphonate treatment on rat bone. Evans RA, et al. **Clin Orthop** 1982 May; (165):290–9

Plasma levels of vitamin D metabolites in diphosphonate–treated rats. Trechsel U, et al. **Clin Sci** 1981 Oct;61(4):471–6

The effect of diphosphonates on periosteal and bone cells in culture. Felix R, et al. **Experientia** 1981;37(8):817–9

THERAPEUTIC USE

Etidronate disodium in the treatment of Paget's disease of bone. Krane SM. **Ann Intern Med** 1982 May;96(5):619–25 (48 ref.)

Etidronate–an oral treatment for Paget's disease of bone. **Drug Ther Bull** 1982 Apr 2;20(7):25–6

The effects of disodium ethane–hydroxy–1,1–diphosphonate and disodium dichloromethylene diphosphonate on lanthanide–induced calcergy. McClure J. **J Pathol** 1982 Jun;137(2):159–65

The effects of various anti–calcific, anti–rheumatic and anti–inflammatory drugs on local (simple) calcergy induced by lead acetate in the mouse. McClure J. **J Pathol** 1982 Jul;137(3):243–52

[Neurogenic myositis ossificans – report of two cases with a discussion on the therapeutic use of ethanehydroxydiphosphonate (EHDP)] Ye QB, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:5–8 (Eng. Abstr.) **(Chi)**

[Treatment of neoplastic hypercalcemia with ethane 1–hydroxy–1 diphosphonate in low dosage (letter)] Chabrier G, et al. **Nouv Presse Med** 1982 Jun 5; 11(26):2017–8 **(Fre)**

[Treatment of Paget's disease with 1–ethane–1–hydroxy–1–diphosphonate] Renier JC, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):87–92 (Eng. Abstr.) **(Fre)**

[Combined treatment of Paget's disease of bone with calcitonin and the diphosphonate EHDP] Jaeger P, et al. **Schweiz Med Wochenschr** 1981 Dec 5;111(49):1893–7 (Eng. Abstr.) **(Fre)**

[Prevention of calcifications by the use of EHDP after total hip prosthesis operations] De Bastiani G, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):525–30 **(Ita)**

[Sodium etidronate (EHDP) and osteoporosis] Nuti R, et al. **Clin Ter** 1981 Oct 15;99(1):33–42 (Eng. Abstr.) **(Ita)**

[Effects of the combined calcitonin and sodium etidronate therapy in Paget's disease of bone] Nuti R, et al. **Minerva Med** 1982 Mar 3;73(9):467–72 (Eng. Abstr.) **(Ita)**

[Effect of hydroxyethylidene diphosphonic acid on functional and morphological changes in the kidneys caused by ethylene glycol] Varsanovich EA, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):118–21 **(Rus)**

SODIUM FLUORIDE see under **FLUORIDES**

SODIUM GLUTAMATE see under **GLUTAMATES**

SODIUM GOLD THIOSULFATE see under **GOLD**

SODIUM HYDROXIDE

Halothane adsorption complicating the use of soda–lime to humidify anaesthetic gases. Grodin WK, et al. **Br J Anaesth** 1982 May;54(5):555–9

Mechanisms of halothane adsorption by dry soda–lime. Grodin WK, et al. **Br J Anaesth** 1982 May;54(5):561–5

[Reducing the speed of decomposition of dilute peracetic acid solution by neutralization with NaOH (author's transl)] Ren SX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):23–6 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Terminal stabilization of intraocular lenses with sodium hydroxide. Galin MA. **Ann Ophthalmol** 1980 Oct; 12(10):1175–8

PHARMACODYNAMICS

[Comparative examinations of different types of soda lime (author's transl)] Paravicini D, et al. **Anasth Intensivther Notfallmed** 1982 Apr;17(2):98–101 (Eng. Abstr.) **(Ger)**

[The effects of feeding NaOH treated straw to dairy cows with special reference to the reaction of the kidneys (author's transl)] Pehrson B, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):231–5 (Eng. Abstr.) **(Swe)**

[The effects of feeding NaOH–treated straw to dairy cows with special reference to acid–base balance and ruminal function (author's transl)] Pehrson B. **Nord Vet Med** 1981 Apr–May;33(4–5):224–30 (Eng. Abstr.) **(Swe)**

POISONING

[Accidental poisoning with liquid or solid caustic soda for domestic use: circumstances and costs (author's transl)] Furon D, et al. **Ann Pediatr (Paris)** 1981 Nov;28(9):685–6 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

[Palliative treatment of malignant pleural effusions with tetracycline and sodium hydroxide (author's transl)] Engel J. **Prax Klin Pneumol** 1981 Dec;35(12):1124–8 (Eng. Abstr.) **(Ger)**

SODIUM HYPOCHLORITE

Stability of sodium hypochlorite solutions. Fabian TM, et al. **Am J Hosp Pharm** 1982 Jun;39(6):1016–7

Use of buffered hypochlorite solution for disinfecting fibrescopes. Coates D, et al. **J Clin Pathol** 1982 Mar; 35(3):296–303

PHARMACODYNAMICS

Immunological and biophysical alteration of hepatitis B virus

antigens by sodium hypochlorite disinfection. Sehulster LM, et al. **Appl Environ Microbiol** 1981 Nov;42(5):762–7
Chemical disinfection of Creutzfeldt–Jakob disease virus. Brown P, et al. **N Engl J Med** 1982 May 27;306(21):1279–82
[Reaction of skin and various cell systems after contact with sodium hypochlorite as a model substance (author's transl)] Wohlrab W, et al. **Derm Beruf Umwelt** 1982;30(3):79–83 (Eng. Abstr.) **(Ger)**

POISONING

Accidental systemic exposure to sodium hypochlorite (Chlorox) during hemodialysis. Hoy RH. **Am J Hosp Pharm** 1981 Oct;38(10):1512–4
[Hypochlorite – is it dangerous? 10 years inquiries to the Poison Information Center] Nexø E, et al. **Ugeskr Laeger** 1981 Sep 21;143(39):2521–4 (Eng. Abstr.) **(Dan)**

THERAPEUTIC USE

Histologic evaluation of gingival curettage facilitated by sodium hypochlorite solution. Kalkwarf KL, et al. **J Periodontol** 1982 Feb;53(2):63–70
The effect of sodium hypochlorite and citric acid solutions on healing of periodontal pockets. Vieira EM, et al. **J Periodontol** 1982 Feb;53(2):71–80

SODIUM IODIDE see under **IODIDES**

SODIUM IODOHIPPURATE see **IODOHIPPURIC ACID**

SODIUM IPODATE see **IPODATE**

SODIUM LAURYL SULFATE see **SODIUM DODECYL SULFATE**

SODIUM MORRHUATE see under **FATTY ACIDS**

SODIUM NAFCILLIN see **NAFCILLIN**

SODIUM NITRITE see under **NITRITES**

SODIUM OXACILLIN see **OXACILLIN**

SODIUM OXYBATE see under **HYDROXYBUTYRATES**

SODIUM, POTASSIUM ATPASE see **ADENOSINE TRIPHOSPHATASE, SODIUM, POTASSIUM**

SODIUM RADIOISOTOPES

ANALYSIS

Neutron activation of sodium in phantoms and the human body. Cross WG. **Health Phys** 1981 Jul;41(1):105–21

DIAGNOSTIC USE

Whole body measurements of sodium turnover in offspring of patients with sustained essential hypertension. Henningsen NC, et al. **Eur J Nucl Med** 1982;7(5):225–8
Extravascular, extracellular water in rabbit lung using Na and sucrose indicators. Pavlin DJ, et al. **J Appl Physiol** 1982 Mar;52(3):792–7
Protein radioiodination in a radioassay laboratory: evaluation of commercial Na125I reagents and related biohazards. Hamilton RG, et al. **J Immunoassay** 1980;1(4):435–48

SODIUM SALICYLATE

ADMINISTRATION & DOSAGE

Monitoring of cardiac antirejection therapy with In–111 lymphocytes. Lerch RA, et al. **J Nucl Med** 1982 Jun; 23(6):496–500
[Arthrosis: contribution to its treatment] Nikolov Ts. **Vutr Boles** 1982;21(3):78–83 (Eng. Abstr.) **(Bul)**

ADVERSE EFFECTS

Effects of sodium salicylate and acetylsalicylic acid on intramural pH and ulceration of rabbit antral mucosa. Fromm D, et al. **Surgery** 1982 Apr;91(4):438–47

ANALYSIS

[Biopharmaceutical testing of suppositories containing salicyclic acid derivatives. I. In vitro membrane diffusion methods] Kapás M, et al. **Acta Pharm Hung** 1981 Jul; 51(4):161–7 (Eng. Abstr.) **(Hun)**

DIAGNOSTIC USE

Sodium salicylate augments the plasma adrenocorticotropin and cortisol responses to insulin hypoglycemia in man. Halter JB, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):127–20

IMMUNOLOGY

[Comparative characteristics of the immunotropic activity of sodium diclofenac, indomethacin and sodium salicylate] Aleksandrova GM, et al. **Farmakol Toksikol** 1981 Jul–Aug; 44(4):450–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of chloramphenicol on serum salicylate concentrations in cats and dogs. Akesson CE, et al. **Am J Vet Res** 1982 Aug;43(8):1471–2
Sex differences in absorption kinetics of sodium salicylate. Miaskiewicz SL, et al. **Clin Pharmacol Ther** 1982 Jan; 31(1):30–7

PHARMACODYNAMICS

Effects of phenylephrine and sodium salicylate on maternal and fetal cardiovascular indices and blood oxygenation in sheep. Cottle MK, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):170–6
Effects of phenobarbital and sodium salicylate on cytochrome P–450 mixed function oxygenase and glutathione S–transferase activities in rat brain. Chand P, et al. **Chem Biol Interact** 1982 Jul 1;40(3):357–63
Changes in potential difference across the human buccal mucosa with buffered or unbuffered aspirin and salicylate. Whittle BJ, et al. **Gut** 1981 Oct;22(10):798–803
Effects of salicylate on HCO–3/Cl– exchange across the human erythrocyte membrane. Crandall ED, et al. **J Membr Biol** 1982;65(1–2):139–45
The enhancement of dextran anaphylactoid reaction in the rat by sodium salicylate. West GB. **J Pharm Pharmacol** 1982 Jan;34(1):64–5
Non–interference by salicylate with aspirin inhibition of arterial thrombosis in rats. Philp RB, et al. **Prostaglandins Med** 1981 Aug;7(2):91–4
[Investigations of the influence of sodium salicylate on the gastric mucosa of the rat (author's transl)] Bergmann M, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(6):280–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Prevention of ethanol and aspirin–induced gastric mucosal lesions by paracetamol and salicylate in rats: role of endogenous prostaglandins. Konturek SJ, et al. **Gut** 1982 Jun;23(6):536–40
Comparison of the effects of solium salicylate with anti–ulcer agents in preventing indomethacin–induced intestinal ulcer. Ezer E, et al. **J Pharm Pharmacol** 1981 Apr;33(4):250–1

TOXICITY

Influence of a low protein diet on salicylate–induced damage in mice. Eriksson M, et al. **Biol Neonate** 1982; 41(3–4):138–42
The effect of sodium salicylate on the rat embryo in culture: an in vitro model for the morphological assessment of teratogenicity. McGarrity C, et al. **J Anat** 1981 Sep;133(Pt 2):257–69
Salicylate–induced renal papillary necrosis in the Gunn rat. The role of bilirubin. Harper GS, et al. **Lab Invest** 1982 Sep;47(3):258–64

SODIUM TETRADECYL SULFATE see under **FATTY ALCOHOLS**

SODIUM VALPROATE see **VALPROATE**

SOFT CONTACT LENSES see **CONTACT LENSES, HYDROPHILIC**

SOFT TISSUE NEOPLASMS

Rhabdomyosarcoma in childhood a 13 year review from the University Hospital, Kuala Lumpur 1967 – 1980. Sinniah D, et al. **Singapore Med J** 1981 Jun;22(3):158–65

ANALYSIS

S–100 protein in soft–tissue tumors derived from Schwann cells and melanocytes. Stefansson K, et al. **Am J Pathol** 1982 Feb;106(2):261–8
S–100 protein in granular cell tumors (granular cell myoblastomas). Stefansson K, et al. **Cancer** 1982 May 1; 49(9):1834–8
Immunohistochemical investigations of tumors of supposed fibroblastic–histiocytic origin. Kindblom LG, et al. **Hum Pathol** 1982 Sep;13(9):834–40

BLOOD

[Hypophosphoremic osteomalacia of connective tissue tumors] Camus JP, et al. **Rev Rhum Mal Osteoartic** 1982 Mar 25;49(4):301–6 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Superselective arterial tumor angiography and chemotherapy. Preliminary results (author's transl)] Schepke P, et al. **Rontgenblatter** 1982 May;35(5):191–4 (Eng. Abstr.) **(Ger)**
[Arteriography in selected cases of malignant soft tissue tumors] Boroń Z, et al. **Nowotwory** 1981;31(2):137–9 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Studies of the tumorigenic potential of 4–substituted phenylhydrazines by the subcutaneous route. Toth B, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):1–9
Phenoxy herbicides, trichlorophenols, and soft–tissue sarcomas [editorial] **Lancet** 1982 May 8;1(8280):1051–2
Do phenoxy herbicides cause cancer in man? Coggon D, et al. **Lancet** 1982 May 8;1(8280):1057–9
Soft–tissue sarcoma, malignant lymphoma, and exposure to phenoxyacids or chlorophenols [letter] Hardell L, et al. **Lancet** 1982 Jun 19;1(8286):1408–9
Phenoxy herbicides, trichlorophenols, and soft–tissue sarcomas [letter] Hay A. **Lancet** 1982 May 29;1(8283):1240
Thoracic soft–tissue sarcoma in Vietnam veterans exposed to Agent Orange [letter] Sarma PR, et al. **N Engl J Med** 1982 May 6;306(18):1109
Data on dioxin [letter] Acheson ED. **Nature** 1982 Jan 14; 295(5845):92
Relation of soft–tissue sarcoma, malignant lymphoma and colon cancer to phenoxy acids, chlorophenols and other agents. Hardell L. **Scand J Work Environ Health** 1981 Jun; 7(2):119–30
[Immune reactions in malnutrition and aflatoxin blastomogenesis] Popov AA, et al. **Vopr Pitan** 1982 May–Jun;(3):58–60 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Soft tissue sarcomas: classification and natural history. Hajdu SI. **CA** 1981 Sep–Oct;31(5):271–80

COMPLICATIONS

Leiomyosarcoma arising in a chronic venous stasis ulcer. Nunnery EW Jr, et al. **Hum Pathol** 1981 Oct;12(10):951–3
Esophageal carcinoma associated with neurofibromatosis–a case report. Okudaira Y, et al. **Jpn J Surg** 1981;11(3):189–92
Ossification in a soft tissue embryonal rhabdomyosarcoma. Brasch RC, et al. **Pediatr Radiol** 1981;11(2):99–101
[Rare etiology of sciatica: malignant histiocytofibroma of the buttocks (letter)] Sallière D, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):75–6 **(Fre)**

CONGENITAL

Congenital extraskeletal embryonal chondrosarcoma. Case report. Jessurun J, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):293–6

DIAGNOSIS

The soleus accessorius muscle. Report of a case. Ayala H, et al. **Acta Orthop Belg** 1982 Mar–Apr;48(2):417–20
Extraskeletal Osteosarcoma. Case report and differential diagnosis. Meister P, et al. **Arch Orthop Trauma Surg** 1981; 98(4):311–4
The significance of bone and cartilage formation in malignant fibrous histiocytoma of soft tissue. Bhagavan BS, et al. **Cancer** 1982 Feb 1;49(3):480–8
Diagnosis and classification of soft tissue sarcoma [letter] Remberger K. **Hum Pathol** 1982 Jul;13(7):689–90
Extraosseous osteosarcoma – two cases. Milošević D. **Int Orthop** 1981;5(1):43–5
A giant pendulous fibrolipoma. Field LM. **J Dermatol Surg Oncol** 1982 Jan;8(1):54–5
Lipoblastoma in infants and children. Stringel G, et al. **J Pediatr Surg** 1982 Jun;17(3):277–80
Diagnostic procedures for evaluation of sarcomas of soft tissue and bone in childhood. Wolff JA. **Natl Cancer Inst Monogr** 1981 Apr;(56):3–7
Case report: the accessory soleus muscle: symptomatic soft tissue tumour or accidental finding. Dokter G, et al. **Neth J Surg** 1981 Aug;33(3):146–9
Sonographic findings in four cases of hemangiopericytoma. Correlation with computed tomographic, angiographic, and pathologic findings. Grant EG, et al. **Radiology** 1982 Feb;142(2):447–51
[Desmoid tumor – transformation into fibrosarcoma (author's transl)] Lowy M, et al. **Dermatologica** 1981;163(1):125–36 (Eng. Abstr.) **(Fre)**
[Hemangioendothelioma of the right supra–clavicular region. Clinicopathologic study and management. Report of a case (author's transl)] Marcon JM, et al. **J Mal Vasc** 1982; 7(1):41–4 (Eng. Abstr.) **(Fre)**
[Malignant giant cell fibrous histiocytoma of the soft parts] Gori F, et al. **Arch De Vecchi Anat Patol** 1981 Dec; 64(3):455–61 **(Ita)**
[Differential diagnosis of soft tissue sarcomas of the extremities] Enjoji M. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1757–65 **(Jpn)**
[Teratoid tumor of the sacrococcygeal region in children] Woźniak W. **Pediatr Pol** 1981 Aug;56(8):975–80 (26 ref.) **(Pol)**
[Desmoid of the abdominal wall] Szela S, et al. **Pol Tyg Lek** 1981 Sep 21;36(38):1475–6 (Eng. Abstr.) **(Pol)**
[Radiographic and radionuclide signs of solid and soft fibromas of soft tissue] Romanova LR, et al. **Med Radiol (Mosk)** 1982 May;27(5):39–42 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598–604
Gallium nitrate in advanced soft tissue and bone sarcomas: a Southwest Oncology Group Study. Saiki JH, et al. **Cancer Treat Rep** 1982 Aug;66(8):1673–4
N–(phosphonacetyl)–L–aspartate (PALA) in advanced soft tissue sarcoma: a phase II trial of the EORTC soft tissue

sarcoma group. Bramwell V, et al.
Eur J Cancer Clin Oncol 1982 Jan;18(1):81–4
Combination chemotherapy (CYVADIC) in metastatic soft tissue sarcomas. Karakousis CP, et al.
Eur J Cancer Clin Oncol 1982 Jan;18(1):33–6
The role of chemotherapy as an adjuvant to surgery in the initial treatment of primary soft tissue sarcomas in adults. Das Gupta TK, et al. **J Surg Oncol** 1982 Mar;19(3):139–44
Adjuvant chemotherapy of soft-part sarcomas with ALOMAD (S4). Sordillo PP, et al. **J Surg Oncol** 1981; 18(4):345–53
Adjuvant chemotherapy for patients with soft tissue sarcomas. Rosenberg SA, et al. **Surg Clin North Am** 1981 Dec;61(6):1415–23
Surgical adjuvant therapy for soft tissue sarcomas. Townsend CM Jr. **Surg Clin North Am** 1981 Dec;61(6):1405–13
[Chemotherapy of soft tissue sarcomas] Hossfeld DK, et al. **Langenbecks Arch Chir** 1981;355:147–51 (Eng. Abstr.) **(Ger)**
[Hyperthermic perfusion with cytostatic drugs -- an adjuvant therapy in soft tissue sarcoma of the limbs (author's transl)] Tonak J, et al. **Langenbecks Arch Chir** 1981;355:157–63 (Eng. Abstr.) **(Ger)**
[Drug therapy of malignant tumors of the bone and soft tissues] Abe M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Dec; 55(12):1729–41 (61 ref.) **(Jpn)**
[Preliminary evaluation of the effectiveness of holoxan in the treatment of malignant soft tissue and bone neoplasms] Utracka-Hutka B, et al. **Nowotwory** 1981;31(2):147–53 (Eng. Abstr.) **(Pol)**
[Studies on the effect of a new verucarin E analog WER I on the growth of experimental neoplasms] Nowak HF, et al. **Rocz Akad Med Bialymstoku** 1980;25:175–95 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Radiation-induced sarcoma following radiotherapy for testicular tumor. Lynch DF Jr, et al. **J Urol** 1981 Dec; 126(6):845–6
[A patient with multiple intramuscular myxomas as an extra-osseous manifestation of fibrous dysplasia] Berkhoff WB, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5; 125(36):1460–2 (Eng. Abstr.) **(Dut)**
[Development of squamous cell carcinoma in the wall of a cyst formed around a foreign body in the soft tissues of the hip] Karseladze AI, et al. **Sov Med** 1981;(8):120–1 **(Rus)**
[Lymphangiosarcoma of the upper extremity after mastectomy for cancer] Dymarskii LIu, et al.
Vestn Khir 1981 Oct;127(10):98–101 **(Rus)**

IMMUNOLOGY

Clear cell sarcoma and selective IgM deficiency: a case report. Vogelzang NJ, et al. **Cancer** 1982 Jan 15;49(2):234–8
Human tumor-associated antigens detected by serological techniques: analysis of autologous humoral immune responses to primary and metastatic human sarcomas by an enzyme-linked immunoabsorbent solid-phase assay (ELISA). Roth JA, et al. **Cancer Res** 1982 Oct; 42(10):3978–86
Search for evidence of feline leukemia virus infection in humans with leukemias, lymphomas, or soft tissue sarcomas. Sordillo PP, et al. **JNCI** 1982 Aug;69(2):333–7

MORTALITY

[Effect of various factors on patient survival in soft tissue sarcomas] Knysh IT, et al. **Vopr Onkol** 1981;27(8):18–22 **(Rus)**

OCCURRENCE

Results of the national soft-tissue sarcoma registry. Mettlin C, et al. **J Surg Oncol** 1982 Apr;19(4):224–7

PATHOLOGY

Extraskeletal Ewing's sarcoma. Kobos J, et al.
Acta Chir Acad Sci Hung 1980;21(-):301–7
A consecutive 7-year series of 1331 benign soft tissue tumours. Clinicopathologic data. Comparison with sarcomas. Myhre-Jensen O. **Acta Orthop Scand** 1981 Jun; 52(3):287–93
Crystalline inculsion in myxoid liposarcoma. Guevara ME, et al. **Acta Pathol Jpn** 1981 Jul;31(4):689–94
Leiomyosarcoma of the soft tissue. A correlative cytological and histological study of 11 cases. Dahl I, et al.
Acta Pathol Microbiol Scand [A] 1981 Jul;89(4):285–91
Spindle-cell lipoma. A clinical, light- and electron-microscopical study. Bolen JW, et al.
Am J Surg Pathol 1981 Jul;5(5):435–41
The myxoid tumors of somatic soft tissues. Mackenzie DH. **Am J Surg Pathol** 1981 Jul;5(5):443–58 (49 ref.)
Subcutaneous granuloma pyogenicum. Lobular capillary hemangioma. Cooper PH, et al. **Arch Dermatol** 1982 Jan; 118(1):30–3
Monophasic, glandular, synovial sarcomas and carcinomas of the soft tissues. Farris KB, et al.
Arch Pathol Lab Med 1982 Mar;106(3):129–32
The headbangers tumour. Sormann GW. **Br J Plast Surg** 1982 Jan;35(1):72–4
Infiltrating angiolipoma. Watkins FB, et al.
Bull Hosp Joint Dis 1981;41:105–11
Variability of histologic pattern in recurrent soft tissue sarcomas originally diagnosed as liposarcoma. Snover DC, et al. **Cancer** 1982 Mar 1;49(5):1005–15
Epithelioid hemangioendothelioma: a vascular tumor often mistaken for a carcinoma. Weiss SW, et al. **Cancer** 1982 Sep 1;50(5):970–81
Leiomyosarcoma of soft tissue: a clinicopathologic study. Wile AG, et al. **Cancer** 1981 Aug 15;48(4):1022–32
Soft tissue fibrosarcoma. A case report and review of the literature. Silvers SH, et al. **Cutis** 1982 Feb;29(2):195–8
Extraskeletal chondrosarcoma. A case report. Mbamali EI, et al. **East Afr Med J** 1981 Nov;58(11):890–3
Dermatofibrosarcoma protuberans arising on the hand. Wirman JA, et al. **Hand** 1981 Jun;13(2):187–91
Fibrous hematopoietic tumors arising in agnogenic myeloid metaplasia. Beckman EN, et al. **Hum Pathol** 1982 Sep; 13(9):804–10
Current concepts in the diagnosis of human soft tissue sarcomas. Stern R. **Hum Pathol** 1981 Sep;12(9):777–81
Ectopic vestigial lesions of the neck and shoulders. Shareef DS, et al. **J Clin Pathol** 1981 Oct;34(10):1155–62
Embryonal adenocarcinoma in sacrococcygeal teratoma. Mukherjee AK, et al. **J Indian Med Assoc** 1981 Dec 16; 77(12):196–8
Fibroma of tendon sheath. Jablokow VR, et al.
J Surg Oncol 1982 Feb;19(2):90–2
Atypical granular cell tumor: a borderline lesion. Case report. Ough YD, et al. **Milit Med** 1982 May;147(5):409–11
Extraskeletal osteosarcoma: light and electron microscopic study. Waxman M, et al. **Mt Sinai J Med (NY)** 1981 Jul-Aug;48(4):322–9
Soft tissue sarcomas of childhood: the differential diagnostic dilemma of the small blue cell. Dehner LP.
Natl Cancer Inst Monogr 1981 Apr;(56):43–59 (66 ref.)
Radiographic features of osseous metastases of soft-tissue sarcomas. Wong WS, et al. **Radiology** 1982 Apr;143(1):71–4
Chordoid sarcoma of the hand. A case report. Jacobs GH, et al. **S Afr Med J** 1982 Apr 24;61(17):630–3
[Soft tissue tumors: pathology] Meister P.
Langenbecks Arch Chir 1981;355:129–32 (Eng. Abstr.) **(Ger)**
[Elastofibroma dorsi. 2 cases and a review of literature] Rasmussen J, et al. **Pathologe** 1982 Mar;3(2):104–10 **(Ger)**
[Vascular tumors III. Hemangiopericytoma] Leu HJ. **Vasa** 1981;10(3):268–70 (Eng. Abstr.) **(Ger)**
[Structural variability of malignant fibrous histiocytomas of soft tissue. Light microscopical and histochemical observations on three atypical cases with a long lasting follow-up period (author's transl)] Stiller D, et al.
Zentralbl Allg Pathol 1981;125(4):369–80 (Eng. Abstr.) **(Ger)**
[Tissue mast cells in benign soft tissue tumors and tumor-like lesions (author's transl)] Taira H. **Fukuoka Igaku Zasshi** 1981 Sep;72(9):482–501 (Eng. Abstr.) **(Jpn)**
[Malignant fibrous histiocytoma--an autopsy case] Yoshimura T, et al. **Nippon Rinsho** 1981 Sep;39(9):3133–8 **(Jpn)**
[Assay of anti-cancer drug sensitivity of cells from human tumors. Detection of cell viability with radioisotope (author's transl)] Ishii M, et al.
Nippon Seikeigeka Gakkai Zasshi 1982 Apr;56(4):293–304 (Eng. Abstr.) **(Jpn)**
[Role of cytochemical studies in the cytological diagnosis of soft tissue sarcomas] Puchkov IuG, et al. **Lab Delo** 1981; (8):478–80 **(Rus)**

PHYSIOPATHOLOGY

Benign and malignant fibrous histiocytomas of the soft tissues: functional characterization of the cultured cells. Iwasaki H, et al. **Cancer** 1982 Aug 1;50(3):520–30

PSYCHOLOGY

Psychologic support for children with soft tissue and bone sarcomas. Nir Y. **Natl Cancer Inst Monogr** 1981 Apr; (56):145–8

RADIOGRAPHY

Comparison of computed tomography and angiography in the evaluation of soft tissue tumors of the extremities. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):15–27
CT of soft-tissue tumors. Egund N, et al. **AJR** 1981 Oct; 137(4):725–9
Benign cortical hyperostosis underlying soft-tissue tumors of the thigh. Rich PJ, et al. **AJR** 1982 Mar;138(3):419–22
Computed tomography of musculoskeletal tumors. Levine E. **CRC Crit Rev Diagn Imaging** 1981;16(4):279–309 (30 ref.)
Angiography in bone, soft tissue and internal organ tumours--Part I. Sharma OP, et al. **Indian J Cancer** 1981 Jun;18(2):134–40
Radiographic blood pool contrast agents for vascular and tumor imaging with projection radiography and computed tomography. Cassel DM, et al.
J Comput Assist Tomogr 1982 Feb;6(1):141–6
Mandibular and para-mandibular tumors in children. Report of 16 cases. Kozlowski K, et al. **Pediatr Radiol** 1981; 11(4):183–92
Computed tomography in the preoperative evaluation of masses arising in or near the joints of the extremities. Soye I, et al. **Radiology** 1982 Jun;143(3):727–32
Case report 172: pleomorphic liposarcoma, grade IV, of the soft tissue, arising in generalized plexiform neurofibromatosis. Baker ND, et al. **Skeletal Radiol** 1981; 7(2):150–3
Malignant fibrous histiocytoma of soft tissue with metaplastic bone and cartilage formation: a new radiologic sign. Dorfman HD, et al. **Skeletal Radiol** 1982;8(2):145–50
Case report 158. Luger AM, et al. **Skeletal Radiol** 1981; 6(4):291–7
Intramuscular myxoma. Radiographic and computed tomographic findings with pathologic correlation. McCook TA, et al. **Skeletal Radiol** 1981;7(1):15–9
Case report 163: Hemangiopericytoma of the soft tissues in the area of the left scapula. McGahan JP, et al.
Skeletal Radiol 1981;7(1):66–9
[Lymphatic dissemination of bone and soft tissue sarcomas. Experiences from 3 institutions] Tallroth K, et al.
Duodecim 1981;97(23–24):1940–7 (Eng. Abstr.) **(Fin)**
[Roentgenologic aspects of malignant fibrous histiocytomas of soft tissues and of bone (author's transl)] Turculet V.
J Radiol 1981 Aug-Sep;62(8–9):429–36 (Eng. Abstr.) **(Fre)**
[Malignant soft tissue neoplasms. Problems with combined therapy. Radiologic diagnosis and radiotherapy] Poppe H.
Langenbecks Arch Chir 1981;355:141–6 (Eng. Abstr.) **(Ger)**
[Roentgenological manifestation of soft part metastases (author's transl)] Skotnikov VI, et al.
Radiol Diagn (Berl) 1982 Jan;23(1):43–8 (Eng. Abstr.) **(Ger)**
[Massive osteolysis (Gorham-Stout's syndrome) with local neurofibromatosis (author's transl)] Lotz W, et al.
ROFO 1982 Jul;137(1):55–62 (Eng. Abstr.) **(Ger)**
[Complex x-ray examination in the diagnosis of soft tissue neoplasms] Miagkov AP, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):74–7 (Eng. Abstr.) **(Rus)**
[Cyclopropane in the diagnosis of soft tissue tumors] Skotnikov VI, et al. **Sov Med** 1981;(8):59–61 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Scanning with L-(13 N) glutamate: Assessment of the response to chemotherapy of a patient with embryonal rhabdomyosarcoma. Sordillo PP, et al.
Am J Clin Oncol 1982 Jun;5(3):285–9
Re: studies of the in vivo uptake of Ga-67 by an experimental abscess: concise communication [letter] Halpern SE.
J Nucl Med 1982 Jun;23(6):547–8
Detection of peripheral soft tissue hemangioma with 99mTc-labeled red blood cell pool imaging. Johnson RA, et al. **J Pediatr Orthop** 1982 Jun;2(2):183–6
Radionuclide imaging of soft tissue neoplasms. Chew FS, et al. **Semin Nucl Med** 1981 Oct;11(4):266–76
[Extra-osseous accumulation of 99mTc-MDP in 2 cases of soft-tissue sarcoma (author's transl)] Nakajima H, et al.
Rinsho Hoshasen 1981 Mar;26(3):417–20 (Eng. Abstr.) **(Jpn)**
[Bone scintigraphy with 99mTc-pyrophosphate in the diagnosis of the degree of the spread of the tumor process in the head and neck area] Prikhod'ko AG.
Med Radiol (Mosk) 1982 Jan;27(1):58–67 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Angiosarcoma treated with radiation therapy alone. Graham WJ, et al. **Cancer** 1981 Aug 15;48(4):912–4
Soft tissue sarcomas: the role of radiation therapy. Suit HD.
Hosp Pract 1982 Jul;17(7):114–20
Chordoma presenting in the gluteal region in the child. Report of a rare case. Jain SP, et al. **Indian J Cancer** 1981 Jun;18(2):160–2
Fast neutron therapy for locally advanced sarcomas. Battermann JJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug;7(8):1051–3
Soft tissue angiosarcomas. Morales PH, et al.
Int J Radiat Oncol Biol Phys 1981 Dec;7(12):1655–9
Radiation therapy in the treatment of malignant fibrous histiocytoma. Reagan MT, et al.
Int J Radiat Oncol Biol Phys 1981 Mar;7(3):311–5
Radiation therapy technique in soft tissue sarcomas of the extremity--policies of treatment at the National Cancer Institute. Tepper J, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):263–73
Soft tissue sarcomas (excluding rhabdomyosarcoma): radiotherapy applications. Suit HD.
Natl Cancer Inst Monogr 1981 Apr;(56):245–9

REHABILITATION

Rehabilitation of children with bone and soft tissue sarcomas: a physiatrist's viewpoint. Griffith ER.
Natl Cancer Inst Monogr 1981 Apr;(56):137–43
Factors that influence rehabilitation of children who undergo amputation for bone or soft tissue sarcomas: the surgeon's viewpoint. Pritchard DJ. **Natl Cancer Inst Monogr** 1981 Apr;(56):133–5

SECONDARY

Tc-99m-MDP uptake in widespread subcutaneous nodules of metastatic renal cell carcinoma. Lin DS, et al.

Clin Nucl Med 1982 Jan;7(1):43

SURGERY

Function after removal of various hip and thigh muscles for extirpation of tumors. Markhede G, et al. **Acta Orthop Scand** 1981 Aug;52(4):373–95

Surgical treatment of low grade soft tissue sarcomas. Devereux DF, et al. **Am J Surg** 1982 Apr;143(4):490–4

Liposarcoma of the leg. Lehti PM, et al. **Am J Surg** 1982 Jul;144(1):44–7

The treatment of soft-tissue sarcomas of the extremities: prospective randomized evaluations of (1) limb-sparing surgery plus radiation therapy compared with amputation and (2) the role of adjuvant chemotherapy. Rosenberg SA, et al. **Ann Surg** 1982 Sep;196(3):305–15

Liposarcoma: the Manitoba experience. Huebert HT. **Can J Surg** 1981 Jul;24(4):391–6

Soft tissue sarcomas of the extremities: survival and patterns of failure with conservative surgery and postoperative irradiation compared to surgery alone. Leibel SA, et al. **Cancer** 1982 Sep 15;50(6):1076–83

Conservative surgery and postoperative radiotherapy in 300 adults with soft-tissue sarcomas. Lindberg RD, et al. **Cancer** 1981 May 15;47(10):2391–7

A multivariate analysis of the prognosis after surgical treatment of malignant soft-tissue tumors. Markhede G, et al. **Cancer** 1982 Apr 15;49(8):1721–33

The effects of postoperative adjuvant chemotherapy and radiotherapy on testicular function in men undergoing treatment for soft tissue sarcoma. Shamberger RC, et al. **Cancer** 1981 May 15;47(10):2368–74

Soft tissue sarcomas in childhood. Hays DM. **Front Radiat Ther Oncol** 1981;16:114–21

Multidisiciplinary 'limb salvage' treatment of soft tissue and skeletal sarcomas. Weisenburger TH, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov;7(11):1495–9

Atypical neurilemoma. Haendel C, et al. **J Foot Surg** 1982 Summer;21(2):136–8

Plexiform neurofibroma: a case presentation. Harris MC, et al. **J Foot Surg** 1981 Fall;20(3):124–6

Sarcoma of the buttock: a trend toward limb-saving resection. Gerson R, et al. **J Surg Oncol** 1982 Apr; 19(4):238–42

Surgery of soft tissue sarcomas in children. Exelby PR. **Natl Cancer Inst Monogr** 1981 Apr;(56):153–7

Ectopic immature renal tissue over the dorsum of lumbar and sacral area in two infants. Posalaky Z, et al. **Pediatrics** 1982 Mar;69(3):336–9

Adductor muscle group excision. Mentzer SJ, et al. **Surgery** 1982 Jun;91(6):662–8

A surgical technique for buttockectomy. Sugarbaker PH, et al. **Surgery** 1982 Jan;91(1):104–7

Cranio-spinal fasciitis in infancy. Eckstein HB, et al. **Z Kinderchir** 1982 May;36(1):23–6

[Rhabdomyosarcoma of the extremities, Report of 3 cases] Beguin JM, et al. **Acta Orthop Belg** 1981 Jan–Feb; 47(1):104–12 (Eng. Abstr.) **(Fre)**

[Invasive fibroma of the limbs in childhood (author's transl)] Padovani JP, et al. **Rev Chir Orthop** 1981;67(3):199–208 (Eng. Abstr.) **(Fre)**

[Therapy of soft tissue neoplasms] Bruch HP, et al. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):225–7 **(Ger)**

[Hand tumors—incidence, therapy and outcome] Frey M, et al. **Handchirurgie** 1981;13(3–4):275–82 (Eng. Abstr.) **(Ger)**

[Soft tissue sarcomas in childhood (author's transl)] Bolkenius M, et al. **Langenbecks Arch Chir** 1982;357(1):27–33 (Eng. Abstr.) **(Ger)**

[Malignant soft tissue tumors – problems of combined therapy. Surgery and after care] Kern E, et al. **Langenbecks Arch Chir** 1981;355:133–9 (Eng. Abstr.) **(Ger)**

[Therapy of malignant soft tissue tumors in children (authors' transl)] Schellong G. **Langenbecks Arch Chir** 1981; 355:153–6 (Eng. Absir.) **(Ger)**

[Benign and semimalignant soft tissue tumours (author's transl)] Bünte H, et al. **Zentralbl Chir** 1981;106(19):1264–76 (Eng. Abstr.) **(Ger)**

[Calf neurinoma of an unusual size] Grasshoff H, et al. **Zentralbl Chir** 1982;107(10):611–3 **(Ger)**

[Thermography in the follow-up of bone and soft tissue tumors] Gattoni F, et al. **Radiol Med (Torino)** 1982 Apr; 68(4):261–5 (Eng. Abstr.) **(Ita)**

[Results of interscapular-thoracic amputation in malignant neoplasms] Saenko AI. **Khirurgiia (Mosk)** 1981 Nov; (11):61–5 (Eng. Abstr.) **(Rus)**

[Treatment of patients with rhabdomyosarcoma] Vitsyn BA, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):77–9 (Eng. Abstr.) **(Rus)**

[Surgical treatment of patients with nonorgan pelvic tumors] Knysh IT, et al. **Vestn Khir** 1981 Dec;127(12):72–8 (Eng. Abstr.) **(Rus)**

[Economic method of excising a free skin graft in the surgical treatment of malignant tumors of the skin and soft tissues] Manullenko BA. **Vopr Onkol** 1981;27(12):69–70 **(Rus)**

THERAPY

The management of locally recurrent soft-tissue sarcoma. Giuliano AE, et al. **Ann Surg** 1982 Jul;196(1):87–91

Soft-tissue sarcoma of the trunk in childhood. Results of the intergroup rhabdomyosarcoma study. Raney RB Jr, et al. **Cancer** 1982 Jun 15;49(12):2612–6

Soft tissue sarcomas: an update. Karakousis CP. **Curr Surg** 1982 Jan–Feb;39(1):5–11

Treatment of soft tissue sarcomas. A combined modality approach. Abbatucci JS, et al. **Eur J Cancer** 1981 Apr; 17(4):455–64

Combination of modalities in soft tissue sarcomas. Karakousis CP. **Int Adv Surg Oncol** 1982;5:91–113

Soft tissue sarcoma of limbs: better outlook [news] Bolsen B. **JAMA** 1981 Nov 6;246(18):2007–8

Effects of postoperative adjuvant chemotherapy and radiotherapy on ovarian function in women undergoing treatment for soft tissue sarcoma. Shamberger RC, et al. **JNCI** 1981 Dec;67(6):1213–8

Sarcomas of soft tissue and bone in childhood. Proceedings of a symposium. Orlando, Florida, January 25–27, 1979. **Natl Cancer Inst Monogr** 1981 Apr;(56):1–314

Special considerations related to primary site in rhabdomyosarcoma: experience of the Intergroup Rhabdomyosarcoma Study, 1972—76. Raney RB Jr, et al. **Natl Cancer Inst Monogr** 1981 Apr;(56):69–74

Treatment of soft tissue and bone sarcomas: review of studies at the National Cancer Institute. Rosenberg SA. **Natl Cancer Inst Monogr** 1981 Apr;(56):241–4

Quality of life assessment of patients in extremity sarcoma clinical trials. Sugarbaker PH, et al. **Surgery** 1982 Jan; 91(1):17–23

An annular focus ultrasonic lens for local hyperthermia treatment of small tumors. Beard RE, et al. **Ultrasound Med Biol** 1982;8(2):177–84

[Multidisciplinary treatment of soft tissue sarcomas: an improvement in prognosis (author's transl)] Abbatucci JS, et al. **Bull Cancer (Paris)** 1981;68(5):428–36 (Eng. Abstr.) **(Fre)**

[Liposarcoma in children] Sztaba R, et al. **Pediatr Pol** 1981 Jun;56(6):655–61 (Eng. Abstr.) **(Pol)**

[Treatment effectiveness in malignant soft tissue tumors of the extremities and trunk taking into account factors affecting the prognosis of the disease] Knysh IT. **Klin Khir** 1982 May;(5):30–3 (Eng. Abstr.) **(Rus)**

[Role of radiation therapy in the combined treatment of soft tissue liposarcomas] Trishkin VA, et al. **Vopr Onkol** 1981; 27(8):22–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Alveolar soft-part sarcoma—A malignant angioreninoma: Histochemical, immunocytochemical, and electron-microscopic study of four cases. DeSchryver-Kecskemeti K, et al. **Am J Surg Pathol** 1982 Jan;6(1):5–18

Recurrent malignant fibrous histiocytoma. A histologic analysis of 50 cases. Hashimoto H, et al. **Am J Surg Pathol** 1981 Dec;5(8):753–60

Evidence supporting neural crest origin of an alveolar soft part sarcoma: an ultrastructural study. Mathew T. **Cancer** 1982 Aug 1;50(3):507–14

Ultrastructural studies on congenital generalized fibromatosis regressed spontaneously. Kobayashi Y, et al. **Tohoku J Exp Med** 1981 Aug;134(4):431–45

Unusual intranuclear inclusions in malignant fibrous histiocytoma: presence in primary tumor, metastases, and xenografts. Tralka TS, et al. **Ultrastruct Pathol** 1982 Apr–Jun;3(2):161–7

Malignant fibrous histiocytoma. An electron microscopic study of 17 cases. Tsuneyoshi M, et al. **Virchows Arch [Pathol Anat]** 1981;392(2):135–45

Hemangiopericytoma: a clinicopathologic and ultrastructure study. Bose B. **World J Surg** 1981 Nov;5(6):863–71

[Histiocytic fibrosarcoma] Albus-Lutter CE, et al. **Ned Tijdschr Geneeskd** 1982 Apr 17;126(16):715–20 **(Dut)**

VETERINARY

An uncommon case of hemangiosarcoma in a dog. Allen DG. **J Am Vet Med Assoc** 1982 Apr 1;180(7):769

Rhabdomyosarcoma in a young rat. Glaister JR. **Lab Anim** 1981 Apr;15(2):145–6

[About a case of fibromatosis of a saithe (Pollachius virens) (Short communication (author's transl)] Priebe K. **DTW** 1981 Sep 5;88(9):381–2 **(Ger)**

SOIL

Toxocariasis in the Sudan. Woodruff AW, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):559–61

Toxocara ova in soil in the Mosul District, Iraq, and their relevance to public health measures in the Middle East. Woodruff AW, et al. **Ann Trop Med Parasitol** 1981 Oct; 75(5):555–7

Skeletal fluorosis from eating soil. Fisher JR, et al. **Ariz Med** 1981 Nov;38(11):833–5

Relationship between molecular connectivity indices and soil sorption coefficients of polycyclic aromatic hydrocarbons. Sabljić A, et al. **Bull Environ Contam Toxicol** 1982 Feb; 28(2):162–5

Parasitological investigation of children's sandboxes and dog faeces from public areas of housing development in Prague. Valkounová J. **Folia Parasitol (Praha)** 1982;29(2):133–8

Populations of strongyloid nematode infective stages in sheep pastures: comparison between direct pasture sampling and tracer lambs as estimators of larval abundance. Waller PJ, et al. **Int J Parasitol** 1981 Oct;11(5):359–67

Soil ingestion by dairy cattle. Fries GF, et al. **J Dairy Sci** 1982 Apr;65(4):611–8

[Larval toxocariasis in the human. I. Parasite egg findings in Prague parks] Bozděch V. **Angew Parasitol** 1981 May; 22(2):71–7 **(Ger)**

[Silicosis in tractor drivers working on sandy soils on tree farms] Dynnik VI, et al. **Gig Tr Prof Zabol** 1981;(12):26–8 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the effectiveness of sanitary improvement measures in peat briquetting plants] Pavliutina ZN, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):18–20 (Eng. Abstr.) **(Rus)**

[Changes in the chemical regimen of the aqueous environment and the Aedes larval count after the liming of acid soils] Fedorova VG, et al. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):14–7 (Eng. Abstr.) **(Rus)**

[Soil self-purification of ascarid eggs and the length of time for their development in Mogilev Province] Lastochkin VG, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):40–3 (Eng. Abstr.) **(Rus)**

[Soil-transmitted human helminthiasis in Guatemala (author's transl)] Aguilar FJ. **Bol Chil Parasitol** 1981 Jan–Jun; 36(1–2):6–9 (Eng. Abstr.) **(Spa)**

[Soil-transmitted helminths in Brazil (author's transl)] Dias LC. **Bol Chil Parasitol** 1981 Jan–Jun;36(1–2):27–8 (Eng. Abstr.) **(Spa)**

[Soil-transmitted helminthiasis control program in Japan (author's transl)] Hayashi S, et al. **Bol Chil Parasitol** 1981 Jan–Jun;36(1–2):2–5 (Eng. Abstr.) **(Spa)**

[A scope of soil-transmitted human intestinal helminthiasis in Chile (1970–1980) (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 1981 Jan–Jun;36(1–2):9–13 (Eng. Abstr.) **(Spa)**

[Effect of atrazine, linuron and 2, 4–D amine on various biological properties of a soil sample. II – Laboratory trial] Frioni L. **Rev Argent Microbiol** 1981 Jan–Apr;13(1):9–16 (Eng. Abstr.) **(Spa)**

[Effect of atrazine, linuron and 2, 4–D amine on various biological properties of a soil sample. I – Field trial] Frioni L. **Rev Argent Microbiol** 1981 Jan–Apr;13(1):1–8 (Eng. Abstr.) **(Spa)**

ANALYSIS

Dissipation of parathion and paraoxon on citrus foliage dust and dry soil surfaces in a treated orchard. Winterlin W, et al. **Arch Environ Contam Toxicol** 1982;11(1):111–21

The concentrations of Zn and Mg in human enamel and dentine related to age and their concentrations in the soil. Lappalainen R, et al. **Arch Oral Biol** 1981;26(1):1–6

Stomach cancer and soil metal content [letter] Philipp R, et al. **Br J Cancer** 1982 Mar;45(3):482

Fate of glyphosate and its influence on nitrogen-cycling in two Finnish agriculture soils. Müller MM, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):724–30

Determination, distribution, and adsorption of fluoride in atmospheric-polluted soils. Supharungsun S, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):632–6

Effects of some pesticides on enzyme activities in an organic soil. Tu CM. **Bull Environ Contam Toxicol** 1981 Jul; 27(1):109–14

Screening of the adsorption behavior of new chemicals: natural soils and model adsorbents. Rippen G, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):236–45

A method for determining fenamiphos and its sulfoxide and sulfone in plants and soil. Brown MJ. **J Agric Food Chem** 1981 Nov–Dec;29(6):1129–32

Metabolism of N-(2,3-dichlorophenyl)-3,4,5,6-tetrachlorophthalamic acid (techlofthalam) in paddy soil and rice. Kirkpatrick D, et al. **J Agric Food Chem** 1981 Nov–Dec;29(6):1149–53

Absorption of aflatoxin by lettuce seedlings grown in soil adulterated with aflatoxin B1. Mertz D, et al. **J Agric Food Chem** 1981 Nov–Dec;29(6):1168–70

Adsorption, desorption, potential and selective distribution of heavy metals in selected soils of Japan. Biddappa CC, et al. **J Environ Sci Health [B]** 1981;B16(4):511–28

Persistence of isofenphos and isazophos in a mineral and an organic soil. Chapman RA, et al. **J Environ Sci Health [B]** 1982;17(4):355–61

Persistence of four pyrethroid insecticides in a mineral and an organic soil. Chapman RA, et al. **J Environ Sci Health [B]** 1981;16(5 Pt B):605–15

The effect of soil temperature on the degradation of cis, trans – permethrin in soil. Jordan EG, et al. **J Environ Sci Health [B]** 1982;17(1):1–17

Investigations on trifluralin binding to soil and possible uptake of bound residues by plants. Mostafa IY, et al. **J Environ Sci Health [B]** 1982;17(3):265–75

Fate of 14C-allylalcohol herbicide in soils and crop residues. Scheunert I, et al. **J Environ Sci Health [B]** 1981; B16(6):719–42

Residues of chlorpyrifos-methyl in balsam fir foliage, forest litter, soil, stream water, sediment and fish tissue after double aerial applications of Reldan. Szeto S, et al. **J Environ Sci Health [B]** 1981;B16(6):743–66

Soil as the source of trace elements. West TS. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):19–39

Lead poisoning in dogs from eating soil [letter] Wignall RJ. **Vet Rec** 1982 Feb 13;110(7):160

Activity of enzymes in organic carbon-amended soils treated with varying levels of salts. Shehata SM, et al. **Zentralb Mikrobiol** 1982;137(2):76-85

Enzymatic activities during incubation of remoistened soil samples stored for different periods. El-Shinnawi MM, et al. **Zentralb Mikrobiol** 1982;137(2):86-90

[Degradation reactions of a carbamate herbicide, chlorbufam: effect of soil factors] Khafif T, et al. **J Environ Sci Health [B]** 1982;17(2):153-70 (Eng. Abstr.) **(Fre)**

[Determination of cyanide in soil and waste] Horvath A, et al. **Z Gesamte Hyg** 1982 Feb;28(2):101-5 (Eng. Abstr.) **(Ger)**

[Technical equipment of soil hygiene laboratories] Möller F. **Z Gesamte Hyg** 1982 Feb;28(2):90-4 (Eng. Abstr.) **(Ger)**

[Fluorine and cations in the soils of an endemic fluorosis area. III] Rapisarda E, et al. **Minerva Stomatol** 1982 Jan-Feb;31(1):39-42 (Eng. Abstr.) **(Ita)**

[The analytical methods for radium in environmental samples (author's transl)] Higuchi H. **Radioisotopes** 1981 Nov; 30(11):618-27 (59 ref.) **(Jpn)**

[Method for determining nitrate nitrogen in soils by using an automatic analyzer] Kuiumdzhieva TI, et al. **Gig Sanit** 1982 Jun;(6):60-1 **(Rus)**

[Determination of chromium (VI) in the soil and other environmental objects] Pavlov VN, et al. **Gig Sanit** 1981 Jun;(6):46-8 **(Rus)**

[Soil amine study: precursors of carcinogenic N-nitroso compounds] Vlasenko NL, et al. **Gig Sanit** 1981 Nov; (11):15-7 **(Rus)**

[Properties of the soil dust released during sugar beet cultivation] Gromova VS. **Gig Tr Prof Zabol** 1982 May; (5):48-9 **(Rus)**

[Zinc content in cultivated Udmurtia soils and incidence of zinc-dependent diseases] Shinskil GE, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):7-10 (Eng. Abstr.) **(Rus)**

[Physico-chemical parameters of the brine and mud from Lake Tambukan and prospects of future studies] Krivobokov NG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb;(1):21-5 **(Rus)**

[Comparative analysis of several methods of preparation of nonpharmacopoeial therapeutic mud] Olefirerenko VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb; (1):35-9 **(Rus)**

[Comparative effect of sapropel fractions on skin and muscle receptors (experimental study)] Serov SI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb; (1):25-30 **(Rus)**

[Rheological properties of Tiumen sapropel] Smirnova IuP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb; (1):58-9 **(Rus)**

SOIL MICROBIOLOGY

Factors influencing the survival of pathogenic bacteria in soils. Tamási G. **Acta Vet Acad Sci Hung** 1981;29(2):119-26

Isolation and characterization of Vibrio alginolyticus and Vibrio parahaemolyticus from the Norwegian coastal environment. Gjerde J, et al. **Acta Vet Scand** 1981; 22(3-4):331-43

Contribution of bats to the maintenance of Histoplasma capsulatum in a cave microfocus. McMurray DN, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):527-31

Persistence of the virulence of Aeromonas salmonicida strains kept in river sediments. Michel C, et al. **Ann Rech Vet** 1980;11(4):375-80

Why microbial predators and parasites do not eliminate their prey and hosts. Alexander M. **Annu Rev Microbiol** 1981; 35:113-33 (74 ref.)

Selected topics in biological control. Schroth MN, et al. **Annu Rev Microbiol** 1981;35:453-76 (113 ref.)

A soil microbiologist's odyssey. Woodruff HB. **Annu Rev Microbiol** 1981;35:1-28

Persistence and distribution of pollution indicator bacteria on land used for disposal of piggery effluent. Chandler DS, et al. **Appl Environ Microbiol** 1981 Sep;42(3):453-60

Sediment bacterial indicators in an urban shellfishing subestuary of the lower Chesapeake Bay. Erkenbrecher CW Jr. **Appl Environ Microbiol** 1981 Sep;42(3):484-92

Poliovirus adsorption by 34 minerals and soils. Moore RS, et al. **Appl Environ Microbiol** 1981 Dec;42(6):963-75

Survival of Salmonella adelaide and fecal coliforms in coarse sands of the swan costal plain, Western Australia. Parker WF, et al. **Appl Environ Microbiol** 1982 May;43(5):981-6

Verruculogen Produced by soil fungi in England and Wales. Patterson DS, et al. **Appl Environ Microbiol** 1981 Nov; 42(5):916-7

Influence of pH and electrolyte composition on adsorption of poliovirus by soils and minerals. Taylor DH, et al. **Appl Environ Microbiol** 1981 Dec;42(6):976-84

Microbial degradation of thidiazuron and its photoproduct. Benezet HJ, et al. **Arch Environ Contam Toxicol** 1982; 11(1):107-10

Chlorflurenol-methyl in soil: degradation, leaching, and effects on microbiological processes. Eichler D, et al. **Arch Environ Contam Toxicol** 1982;11(2):185-93

Effects of oil and gas well-drilling fluids on the biomass and community structure of microbiota that colonize sands in running seawater. Smith GA, et al. **Arch Environ Contam Toxicol** 1982;11(1):17-23

Persistence of Pseudomonas pseudomallei in soil [letter] Thomas AD, et al. **Aust Vet J** 1981 Nov;57(11):535-6

The prevalence of thermophilic actinomycetes in sugar cane related environments, and precipitins in the population in Puerto Rico. Pagán EF, et al. **Bol Asoc Med PR** 1981 May; 73(5):234-40

Survival of Salmonellae typhimurium and enteritidis in two different types of sterile soil. Papaconstantinou AT, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):163-65

Transformation of nitrosamines in soil and in vitro by soil microorganisms. Mallik MA, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):115-21

Mycoparasitism of sclerotial fungi by Teratosperma oligocladum. Ayers WA, et al. **Can J Microbiol** 1981 Sep; 27(9):886-92

Bacillus thuringiensis distribution in soils of the United States. DeLucca AJ 2d, et al. **Can J Microbiol** 1981 Sep; 27(9):865-70

Bacillus stearothermophilus from Saudi Arabian Soils. Abu-Zinada AH, et al. **Folia Microbiol (Praha)** 1981; 26(5):364-9

A glutamic acid producing Streptomyces sp. Chatterjee S, et al. **Folia Microbiol (Praha)** 1982;27(2):116-20

Effect of some sulphur compounds on soil microflora of spruce rhizosphere. Lettl A. **Folia Microbiol (Praha)** 1981; 26(3):243-52

The role of microorganisms in transformations of sulphite in spruce forest soil. Lettl A. **Folia Microbiol (Praha)** 1982; 27(2):147-9

Activity of beta-galactosidase in soil continuously supplemented with lactose. Ryšavý P. **Folia Microbiol (Praha)** 1981;26(4):317-20

Effect of fire on soil microorganisms in a Meghalaya pine forest. Sharma GD. **Folia Microbiol (Praha)** 1981; 26(4):321-7

Evaluation of indoor plantings as allergen exposure sources. Burge HA, et al. **J Allergy Clin Immunol** 1982 Aug; 70(2):101-8

Importance of antibiotic production in antagonism of selected Streptomyces species to two soil-borne plant pathogens. Rothrock CS, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):830-5

A note on the persistence of Salmonella havana and faecal coliforms on a naturally contaminated piggery effluent disposal site. Chandler DS, et al. **J Appl Bacteriol** 1981 Aug;51(1):45-9

Translocatable resistance to mercuric and phenylmercuric ions in soil bacteria. Radford AJ, et al. **J Bacteriol** 1981 Sep;147(3):1110-2

Exoantigen test for identification of Petriellidium boydii cultures. Morace G, et al. **J Clin Microbiol** 1981 Sep; 14(3):237-40

Legionella gormanii sp. nov. Morris GK, et al. **J Clin Microbiol** 1980 Nov;12(5):718-21

The effect of fonofos and carbofuran on microbiological population, and persistence of fonofos in four organic soils infested with onion maggot. Bélanger A, et al. **J Environ Sci Health [B]** 1982;17(2):171-82

Bacterial metabolism under conditions representing pesticide disposal pits. Grant MA, et al. **J Environ Sci Health [B]** 1982;17(4):393-407

A laboratory study of the persistence of carbofuran and its 3-hydroxy- and 3 keto-metabolites in sterile and natural mineral and organic soils. Miles JR, et al. **J Environ Sci Health [B]** 1981;B16(4):409-17

Effect of DDT, fauna and flooding on microsomal growth in soil. Tu CM. **J Environ Sci Health [B]** 1981;16(5 Pt B):637-48

Techniques for virus detection in aquatic sediments. Bitton G, et al. **J Virol Methods** 1982 Feb;4(1):1-8

Keratinolytic fungi in Egyptian soils. Abdel-Fattah HM, et al. **Microbiol Immunol** 1982;26(3):177-80

Effect of treatment of soil with keratinaceous material on soil fungi. Moubasher AH, et al. **Microbiol Immunol** 1981; 25(9):853-62

A red Beneckea from Laguna Figueroa, Baja California. Giovannoni SJ, et al. **Microbios** 1981;30(119):47-63

Ovine ill-thrift in Nova Scotia. 7. Trichoderma hamatum isolated from pasture soil. Brewer D, et al. **Mycopathologia** 1981 Dec 11;76(3):167-73

Preliminary investigation on the ecology of Dermatophilus congolensis. Atia M. **Mykosen** 1981 Mar;24(3):153-5

Growth rate of keratinophilic fungi to some volatile substances. Singh KV, et al. **Mykosen** 1981 Oct; 24(10):630-4

Bacillus anthracis on Gruinard Island. Manchee RJ, et al. **Nature** 1981 Nov 19;294(5838):254-5

Viruses in water and soil. Melnick JL, et al. **Public Health Rev** 1980 Jul-Dec;9(3-4):185-213 (40 ref.)

The isolation of pathogenic fungi and actinomycetes from soil in Egypt. Atia M, et al. **Sabouraudia** 1981 Sep; 19(3):217-21

Microbial fixation of nitrogen in the presence of lanthanum sulphate. Ranganayaki S, et al. **Z Allg Mikrobiol** 1981; 21(4):329-32

Effect of sodium molybdate on microbial fixation of nitrogen. Ranganayaki S, et al. **Z Allg Mikrobiol** 1981;21(8):607-10

Acute toxicity testing of some herbicides-, alkaloids-, and antibiotics-metabolizing soil bacteria in the rat. Kaiser A, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3-4):173-9

[Numerical taxonomy of a thermophilic 'Bacillus' species isolated from West African rice soils (author's transl)] Garcia JL, et al. **Ann Microbiol (Paris)** 1982 May-Jun; 133(3):471-88 (Eng. Abstr.) **(Fre)**

[Thermophilic microorganisms of Alpine regions. 1. Contribution: a thermophilic actinomycetes from the Dachstein, Austria (author's transl)] Lauwers AM, et al. **Mikroskopie** 1982 Jan;39(1-2):14-27 (Eng. Abstr.) **(Ger)**

[Respiratory allergy caused by aspergillus species in the soil of potted plants (author's transl)] Muckelmann R, et al. **Prax Klin Pneumol** 1981 Aug;35(8):363-6 (Eng. Abstr.) **(Ger)**

[Leaching of ores with heterotrophic microorganisms. Development of a screening method] Klages D, et al. **Z Allg Mikrobiol** 1981;21(10):729-37 (Eng. Abstr.) **(Ger)**

[Hygienic problems at the winning of peloids (peats and sludges of lakes) for balneological therapy (author's transl)] Klenner MF, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):327-37 (Eng. Abstr.) **(Ger)**

[Studies on survival of salmonellae on agricultural areas (author's transl)] Platz S. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):452-6 (Eng. Abstr.) **(Ger)**

[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May-Jun; 23(3):301-13 (46 ref.) **(Ita)**

[Incidence and survival of Clostridium perfringens in soil (author's transl)] Konishi K, et al. **Nippon Saikingaku Zasshi** 1981 Mar;36(2):459-64 (Eng. Abstr.) **(Jpn)**

[Contribution to the knowledge of dermatophyte flora in sewage sludge] Ulfig K. **Rocz Panstw Zakl Hig** 1981; 32(3):285-9 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. V. Use of phages for identification of Streptococcus faecalis isolated from sewage, water and soil] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 1981;32(1):17-22 (Eng. Abstr.) **(Pol)**

[Actinomadura of the sierozem soils of Turkmenia and their antagonistic properties] Galatenko OA, et al. **Antibiotiki** 1981 Oct;26(10):723-7 (Eng. Abstr.) **(Rus)**

[New species of Actinomadura isolated from soils in Turkmenia and their antagonistic properties] Galatenko OA, et al. **Antibiotiki** 1981 Nov;26(11):803-7 (Eng. Abstr.) **(Rus)**

[Preservation of the virulence of typhoid and paratyphoid bacteria in sewage and soil in a hot climate] Ergasheva LE, et al. **Gig Sanit** 1982 May;(5):85-7 **(Rus)**

[Methodological approaches to the study of conditionally pathogenic microorganisms on environmental objects] Kalina GP. **Gig Sanit** 1982;(1):40-1 **(Rus)**

[Role of the soil reservoir of Clostridium tetani in the endemicity of tetanus in Krasnodar Territory] Pasechnik AL, et al. **Gig Sanit** 1981 Jun;(6):89 **(Rus)**

[Survival rate dynamics of Escherichia coli strains in turfy podzolic soil] Alton LV. **Mikrobiol Zh** 1981 Nov-Dec; 43(6):739-45 (Eng. Abstr.) **(Rus)**

[Biological properties of different species of Mycobacterium isolated from soil] Kozlov VS. **Probl Tuberk** 1982 Mar; (3):65-8 **(Rus)**

[Lysis of eubacteria by eubacteria from soil] Congregado F, et al. **Rev Latinoam Microbiol** 1981 Apr-Jun;23(2):87-9 **(Spa)**

SOIL POLLUTANTS

Cadmium, lead and zinc in growing rats fed corn leaf tissue grown on soil amended with sewage sludge or heavy metal salts. Miller J, et al. **Environ Health Perspect** 1981 Dec; 42:197-202

Curium uptake by crops from naturally-weathered contaminated soil. Adriano DC, et al. **Health Phys** 1981 Jul;41(1):69-75

Aging effects of the availability of strontium and cesium to plants. Cline JF. **Health Phys** 1981 Aug;41(2):293-6

Fixation and mobilization of 60Co on sediments in coastal environments. Mahara Y, et al. **Health Phys** 1981 Oct; 41(4):645-55

Quality of groundwater. Proceedings of an International Symposium. Noordwijkerhout, The Netherlands, 23-27 March 1981. **Sci Total Environ** 1981 Nov;21:1-409

[Degradation of the environment. III. Soil hygiene and measures concerning areas affected by TCDD contamination] Alberani V, et al. **Ann Ist Super Sanita** 1981; 17(2):323-35 **(Ita)**

[Dynamics of the processes of soil self-purification of pollution from the effluents from animal-breeding farm complexes] Vashkulat NP. **Gig Sanit** 1981 Jul;(7):22-4 (Eng. Abstr.) **(Rus)**

[Potential for benz(alpha)pyrene uptake from the soil into potato tubers and grain] Dikun PP, et al. **Vopr Onkol** 1982; 28(1):54-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Measurements of environmental radiation exposure dose rates at selected sites in Brazil. Pfeiffer WC, et al. **An Acad Bras Cienc** 1981 Dec;53(4):683-91

Chlorflurenol-methyl in soil: degradation, leaching, and effects on microbiological processes. Eichler D, et al. **Arch Environ Contam Toxicol** 1982;11(2):185-93

Fundamental principles of the behavior of 137Cs in the soil and its migration into agricultural crops. Tikhomirov FA,

et al. **Biol Bull Acad Sci USSR** 1981 Jan-Feb;8(1):59-64
Organic compounds near dumpsites in Niagara Falls, New York. Elder VA, et al. **Biomed Mass Spectrom** 1981 Sep; 8(9):409-15
Uptake of polychlorobiphenyls present in trace amounts from dried municipal sewage sludge through an old field ecosystem. Davis TS, et al.
Bull Environ Contam Toxicol 1981 Nov;27(5):689-94
Lead in Albuquerque street dirt and the effect of curb paint. Franz DA, et al. **Bull Environ Contam Toxicol** 1981 Sep; 27(3):353-8
Lead contamination of soil in Baghdad City, Iraq. Khalid BY, et al. **Bull Environ Contam Toxicol** 1981 Nov; 27(5):634-8
Uranium dispersion along roads paved with phosphate slag. Melville CM, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):470-3
Fate of glyphosate and its influence on nitrogen-cycling in two Finnish agriculture soils. Müller MM, et al.
Bull Environ Contam Toxicol 1981 Nov;27(5):724-30
Persistence of 4-chloro-2-methylphenoxyacetic acid in soil. Sattar MA. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):348-52
A soil sampling method for use in pesticide leaching studies. Sieczka JB, et al. **Bull Environ Contam Toxicol** 1982 Mar; 28(3):358-9
Lead contamination associated with snowmobile trails. Collins BJ, et al. **Environ Res** 1982 Feb;27(1):159-63
An ecological survey of lead contents in roadside dusts and soils in Hong Kong. Lau WM, et al. **Environ Res** 1982 Jun;28(1):39-54
A simple microdiffusion method for estimating nitrate (and ammonia) in agricultural and environmental surveys. Waughman GJ. **Environ Res** 1981 Dec;26(2):529-34
Calculation of the concentration of any radionuclide deposited on the ground by offsite fallout from a nuclear detonation. Hicks HG. **Health Phys** 1982 May; 42(5):585-600
Determination of benzidine, 3,3'-dimethoxybenzidine, 4-aminobiphenyl, 3,3'-dichlorobenzidine, and 4,4'-methylene-bis (2-chloroaniline) [MOCA] in soil samples surface water and groundwater by liquid chromatography with electrochemical detection. Rice JR, et al. **IARC Sci Publ** 1981;4(40):141-51
Chlorobiphenyl movement from soil to soybean plants. Fries GF, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):757-9
Metaldehyde residues on and in citrus fruits after a soil broadcast of a granular formulation and after a spray application to citrus trees. Iwata Y, et al.
J Agric Food Chem 1982 May-Jun;30(3):606-8
Evidence of degradation of polybrominated biphenyls in soil samples from Michigan. Hill RH Jr, et al.
J Environ Sci Health [B] 1982;17(1):19-33
A laboratory study of the persistence of carbofuran and its 3-hydroxy- and 3 keto-metabolites in sterile and natural mineral and organic soils. Miles JR, et al.
J Environ Sci Health [B] 1981;B16(4):409-17
Behavior of Plutonium and Americium in soils. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1980 Dec;21(3-4):204-12
Characteristics of fall-out plutonium in soil. Yamamoto M, et al. **J Radiat Res (Tokyo)** 1981 Mar;22(1):134-42
Organochlorine insecticide residues in soil and earthworms in the Delhi area, India, August--October, 1974. Yadav DV, et al. **Pestic Monit J** 1981 Sep;15(2):80-5
Contamination of soils and plants by mercury as influenced by the proximity to industries in Alexandria, Egypt. Elsokkary IH. **Sci Total Environ** 1982 Apr;23:55-60
[Heavy metal content in the soils in the area of the Damianov Copper-Extraction Plant in the city of Srednogorie] Kuiumdzhieva T, et al. **Probl Khig** 1981;6:101-9 (Eng. Abstr.) **(Bul)**
[Contamination of glacier layers in alpine glaciers with radioactive split products] Ambach W. **Med Welt** 1981 Oct 16;32(42):1574-7 **(Ger)**
[Lead and cadmium in soil] Gerlich W, et al.
Z Gesamte Hyg 1982 Feb;28(2):98-101 (Eng. Abstr.) **(Ger)**
[Use of the inversion voltametric method for determining Hg, As, Cu, Pb, Cd, Zn and Mn in surface waters and bottom deposits] Aleshina LA, et al. **Gig Sanit** 1982;(1):41-2 **(Rus)**
[Improved methods for the summary determination of petroleum products in the soil] Ernestova LS. **Gig Sanit** 1981 Nov;(11):45-6 **(Rus)**
[Possible benzo(a)pyrene pollution of the soil and air in an area of agricultural machinery operation] Iakovlev AN. **Gig Sanit** 1982 Jun;(6):74-5 **(Rus)**
[Experience with the chromatographic determination of selekron in water, soil and plants] Krasnykh AA, et al. **Gig Sanit** 1982 Feb;(2):76-7 **(Rus)**
[Chromatographic determination of Bolstar in soil, plants and water] Krasnykh AA, et al. **Gig Sanit** 1982 Mar;(3):53-4 **(Rus)**
[Determination of ronilan in water, soil and sunflowers] Krasnykh AA, et al. **Gig Sanit** 1982 May;(5):78 **(Rus)**
[Experience with the chromatographic determination of afos in air, water and soil] Leĭka ZA, et al. **Gig Sanit** 1982 Feb; (2):77-8 **(Rus)**
[Passage of natural radionuclides along the chain of soil-feed-sheep organs and tissues in a desert area] Mordberg EL, et al. **Gig Sanit** 1981 Nov;(11):78-9 **(Rus)**
[Determination of the fractional composition of petroleum products in the soil] Postanogova GV. **Gig Sanit** 1981 Nov; (11):47-8 **(Rus)**
[Chemical composition of bottom sediments and of the mobile forms of their trace elements] Radovskaia TL, et al.
Gig Sanit 1982 Apr;(4):76-8 **(Rus)**

METABOLISM

Persistence of aldicarb in soil relative to the carry-over of residues into crops. Maitlen JC, et al.
J Agric Food Chem 1982 May-Jun;30(3):589-92

TOXICITY

A simple, rapid bioassay for detecting effects of pollutants on bacteria. Bauer NJ, et al.
Bull Environ Contam Toxicol 1981 Nov;27(5):577-82
Relationship between fluorescence of polynuclear aromatic hydrocarbons in complex environmental mixtures and sample mutagenicity. Litten S, et al.
Bull Environ Contam Toxicol 1982 Feb;28(2):141-8
[Principles of the hygienic standard for the content of chemical mixtures in soil] Naĭshtein laS. **Gig Sanit** 1982 Feb;(2):18-21 (Eng. Abstr.) **(Rus)**
[Standards for chemical substances depending on the type of soil] Tonkopiĭ NI, et al. **Gig Sanit** 1981 Sep;(9):16-20 (Eng. Abstr.) **(Rus)**
[Environmental hygiene in relation to the use of chemicals in forestry] Medved' LI, et al.
Vestn Akad Med Nauk SSSR 1981;(11):62-7 (Eng. Abstr.) **(Rus)**

SOIL POLLUTANTS, RADIOACTIVE see under **SOIL POLLUTANTS**

SOLANACEOUS ALKALOIDS

[Synthesis of quaternary ammonium salts and N-oxides of anisodamine and anisodine (author's transl)] Xie JX, et al.
Yao Hsueh Hsueh Pao 1981 Oct;16(10):762-6 (Eng. Abstr.) **(Chi)**

ANALYSIS

[Studies on the constituents of Solanum plants. II. On the constituents of the immature berries of Solanum nigrum L. (author's transl)] Saijo R, et al. **Yakugaku Zasshi** 1982 Mar;102(3):300-5 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

[Synthesis of anisodamine analogs (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Oct;16(10):767-72 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Anisodamine inhibits thromboxane synthesis, granulocyte aggregation, and platelet aggregation. A possible mechanism for its efficacy in bacteremic shock. Xiu RJ, et al. **JAMA** 1982 Mar 12;247(10):1458-60
Immunomodulating properties of 5,20 alpha (R)-dihydroxy-6 alpha,7 alpha-epoxy-1-oxo-(5 alpha)-whitha-2,24-dienolide and solasodine. Bähr V, et al. **Planta Med** 1982 Jan;44(1):32-3
[Studies on reactivity of bronchial smooth muscle. I. Effects of Yiqi-Huoxue (YH) and anisodamine on bronchial smooth muscle in vivo (author's transl)] Chen XY, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1982; 4(1):57-9 (Eng. Abstr.) **(Chi)**

TOXICITY

The effect of Solanum malacoxylon on serum enzyme activities, blood glucose, and cholesterol levels in chicks. Basudde CD. **Poult Sci** 1982 May;61(5):1001-2

SOLANUM ALKALOIDS see **SOLANACEOUS ALKALOIDS**

SOLAR ENERGY see under **ENERGY-GENERATING RESOURCES**

SOLAR PLEXUS see **CELIAC PLEXUS**

SOLDERING, DENTAL

Corrosion of silver soldered orthodontic wires. Berge M, et al. **Acta Odontol Scand** 1982;40(2):75-9

METHODS

[Clinical laboratory trials of the quality of laser welding of the elements of metal structures for dental prostheses and orthodontic apparatus] Rebrov VI, et al.
Stomatologiia (Mosk) 1982 Jan-Feb;61(1):65-8 (Eng. Abstr.) **(Rus)**

SOLUBILITY

Studies on a rotating disk method to determine drug dissolution rates from inert PVC matrices. Nicklasson M, et al. **Acta Pharm Suec** 1982;19(3):211-22
A rotating disk method to study the influence of binding agents on the dissolution rate. Nicklasson M, et al.
Acta Pharm Suec 1982,19(2):119-26
A new value for the solubility of nitrous oxide in olive oil [letter] Cooper JB, et al. **Anesthesiology** 1981 Dec; 55(6):720-1
The relationship between molecular connectivity and partition coefficients. Boyd JC, et al.
J Pharm Pharmacol 1982 Jun;34(6):364-6
Solubility in binary solvent systems I: Specific versus nonspecific interactions. Acree WE Jr, et al.
J Pharm Sci 1982 Feb;71(2):201-5
Common ion equilibria of hydrochloride salts and the Setschenow equation. Bogardus JB. **J Pharm Sci** 1982 May; 71(5):588-90
General model for dissolution rates of n-component, nondisintegrating spheres. Carmichael GR, et al.
J Pharm Sci 1981 Dec;70(12):1331-8
Correlation of water solubility with octanol-water partition coefficient. Chiou CT, et al. **J Pharm Sci** 1981 Oct; 70(10):1176-7
Systematic error associated with apparatus 2 of the USP dissolution test II: Effects of deviations in vessel curvature from that of a sphere. Cox DC, et al. **J Pharm Sci** 1982 Apr;71(4):395-9
Systematic error associated with apparatus 2 of the USP dissolution test I: Effects of physical alignment of the dissolution apparatus. Cox DC, et al. **J Pharm Sci** 1982 Apr;71(4):451-2
Extended Hansen solubility approach: naphthalene in individual solvents. Martin A, et al. **J Pharm Sci** 1981 Nov; 70(11):1260-4
Extended Hildebrand solubility approach: solubility of tolbutamide, acetohexamide, and sulfisomidine in binary solvent mixtures. Martin A, et al. **J Pharm Sci** 1982 Apr; 71(4):439-42
Automated sampling of in vitro dissolution medium: effect of sampling probes on dissolution rate of prednisone tablets. Savage TS, et al. **J Pharm Sci** 1982 Jun;71(6):670-3
Centering tool for dissolution vessels [letter] Serino A.
J Pharm Sci 1982 Jun;71(6):725
Filter-probe extractor: a tool for the rapid determination of oil-water partition coefficients. Tomlinson E.
J Pharm Sci 1982 May;71(5):602-4
Correlation of water solubility with octanol-water partition coefficient: a response. Yalkowsky SH, et al.
J Pharm Sci 1981 Oct;70(10):1177-8
Solubility and partitioning V: dependence of solubility on melting point [letter] Yalkowsky SH. **J Pharm Sci** 1981 Aug;70(8):971-3
Effect of solvent used in the preparation of solid dispersions and microcapsules on the dissolution of drugs. El-Sayed AA, et al. **Pharm Acta Helv** 1982;57(2):61-4
The influence of the crystallization on the properties of a hydrophobic drug. Ludwig A, et al.
Pharm Weekbl [Sci] 1982 Feb 19;4(1):5-11
[Technological methods for improving the solubility and increasing the dissolution rate of slightly soluble drugs (author's transl)] Krowczynski L. **Pharmazie** 1982 Jan; 37(1):79-83 **(Ger)**
[Standardization of antibiotics. Acid-base properties and solubility] Libinson GS. **Antibiotiki** 1982 Mar;27(3):207-21 (48 ref.) **(Rus)**

SOLUTIONS

A method for rapid, continuous monitoring of solute uptake and binding. Gruner SM, et al. **Biochemistry** 1982 Jun 22; 21(13):3239-43
Solute effects on the mechanical properties of arterial elastin. Bush K, et al. **Connect Tissue Res** 1982;9(3):157-63
Production of sterile fluids in hospital pharmacies. Gillett AP. **J Hosp Infect** 1981 Jun;2(2):113-5
Sodium chloride equivalents, cryoscopic properties, and hemolytic effects of certain medicinals in aqueous solution IV: Supplemental values. Hammarlund ER.
J Pharm Sci 1981 Oct;70(10):1161-3
[Drinking water and salt instead of pharmaceutic salt solution?] Brandberg A, et al. **Lakartidningen** 1982 Mar 3;79(9):736-8 **(Swe)**

ADVERSE EFFECTS

[Impurities of the salts in solutions for hemofiltration as the cause of poisoning] Sancipriano GP, et al.
Minerva Nefrol 1982 Jan-Mar;29(1):57-8 **(Ita)**

ANALYSIS

[Qualitative thin layer chromatography as well as quantitative direct assessment of disinfectant solutions with active phenol action groups on ready-to-use foil in thin layer chromatography] Thielemann H. **Z Gesamte Hyg** 1981 Nov;27(11):874-5 **(Ger)**
[Attachment to serial spectrophotometers for photometry of microquantities of a solution] Noskov VB. **Lab Delo** 1981; (5):315-6 **(Rus)**

PHARMACODYNAMICS

[Pharmacy preparation of injection and other sterile solutions] Chirkov AI. **Voen Med Zh** 1982 May;(5):55-6 **(Rus)**

THERAPEUTIC USE

Xerostomia in Sjögren's syndrome treated with Sali-Synt. A double-blind cross-over trial. Kaarela K, et al.

Scand J Rheumatol 1982;11(1):39–40

SOLVENTS

A feasible solvent separation system for immunoassays. Cais M, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):317–23

Psychological correlates of solvent abuse. Woolfson RC. **Br J Med Psychol** 1982 Mar;55(Pt 1):63–6

Resistance of protective clothing materials to permeation by solvent 'splash'1. Sansone EB, et al. **Environ Res** 1981 Dec; 26(2):340–6

Correlation between crystal habit and the composition of solvated and nonsolvated cholesterol crystals. Garti N, et al. **J Lipid Res** 1981 Jul;22(5):785–91

Quantitation of solvent polarity based on molecular structure. Kier LB. **J Pharm Sci** 1981 Aug;70(8):930–3

Effect of solvent used in the preparation of solid dispersions and microcapsules on the dissolution of drugs. El-Sayed AA, et al. **Pharm Acta Helv** 1982;57(2):61–4

Selection of solvents for thin-layer chromatography by means of a simple ranking system based on dielectric constants. Pierce DM. **Xenobiotica** 1981 Dec;11(12):857–62

[A new apparatus for the experimental studies of solvent vapor exposure and physical exercise (author's transl)] Aikawa H, et al. **Sangyo Igaku** 1981 Nov;23(6):636–7 **(Jpn)**

[Adsorption and desorption efficiencies of porous polymer beads for organic solvent vapors (author's transl)] Koga M, et al. **Sangyo Igaku** 1981 Sep;23(5):556–7 **(Jpn)**

[Retention of organic solvent vapors in plastic bags. Part 5. A basic study about correction methods of concentration of organic solvent vapors in plastic bags (author's transl)] Kudo M, et al. **Sangyo Igaku** 1981 Nov;23(6):612–8 (Eng. Abstr.) **(Jpn)**

[Adsorption and desorption of organic solvent vapours using silica gel (author's transl)] Takata T, et al. **Sangyo Igaku** 1981 Jan;23(1):42–50 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Alternating treatment of common bile duct stones with a modified glyceryl-1-monooctanoate preparation and a bile acid-EDTA solution by nasobiliary tube. Leuschner U, et al. **Scand J Gastroenterol** 1981;16(4):497–503

[Root canal disobturation: are solvents antiseptic?] Rocca JP, et al. **Actual Odontostomatol (Paris)** 1981;136:571–5 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

Studies on kidney function in subjects exposed to organic solvents. III. Excretion of cells in the urine. Askergren A. **Acta Med Scand** 1981;210(1–2):103–6

Cerebral blood flow in chronic toxic encephalopathy in house painters exposed to organic solvents. Arlien-Søborg P, et al. **Acta Neurol Scand** 1982 Jul;66(1):34–41

Interaction between drugs and solvents as a cause of fatty change in the liver? Edling C. **Br J Ind Med** 1982 May; 39(2):198–9

Systemic side effects from the intrabiliary infusion of monooctanoin for the dissolution of gallstones. Minuk GY, et al. **J Clin Gastroenterol** 1982 Apr;4(2):133–5

Personality and long term exposure to organic solvents. Lindström K, et al. **Neurobehav Toxicol** 1980 Summer; 2(2):89–100

Recommended health-based limits in occupational exposure to selected organic solvents. **WHO Tech Rep Ser** 1981; 664:1–81

[Mortality from anemia and other blood diseases among individuals exposed to organic solvents] Olsen J, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):643–5 (Eng. Abstr.) **(Dan)**

[Occupational exposure to solvents – first principles for diagnosis (author's transl)] Hotz P, et al. **Praxis** 1981 Nov 24;70(48):2173–6 (Eng. Abstr.) **(Fre)**

[The use of electromyography in the monitoring of exposure to neurotoxic substances] Violante FS, et al. **G Clin Med** 1982 Mar;63(3):154–8 **(Ita)**

[An occupational health survey on dry cleaning workers (author's transl)] Takeuchi Y, et al. **Sangyo Igaku** 1981 Jul; 23(4):407–18 (Eng. Abstr.) **(Jpn)**

[Disorders of humoral immunity in workers exposed to organic solvents] Moszczyński P. **Pol Tyg Lek** 1981 Jun 22;36(25):917–9 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of the working conditions in the use of solvents according to the single-sample and shift-average concentrations] Sakharova LN, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):10–4 (Eng. Abstr.) **(Rus)**

[Toxic hepatitis and acute renal failure after inhalation of chloride solvents: report of one case (author's transl)] Teixidó Planas J, et al. **Med Clin (Barc)** 1981 Jun 25; 77(2):72–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Exposure to isophorone and other organic solvents in a screen printing plant. Samimi B. **Am Ind Hyg Assoc J** 1982 Jan;43(1):43–8

The use of a transportable mass spectrometer for the direct measuremer of industrial solvents in breath. Wilson HK, et al. **Biomed Mass Spectrom** 1981 Dec;8(12):606–10

Value of the simultaneous determination of PCO2 in monitoring exposure to 1,1,1-trichloroethane by breath analysis. Guillemin M, et al. **Br J Ind Med** 1982 May; 39(2):161–8

Theoretical basis of alveolar sampling. Kelman GR. **Br J Ind Med** 1982 Aug;39(3):259–64

Determination of residual solvents in drugs by head-space gas-chromatography. Bicchi C, et al. **Farmaco [Prat]** 1982 Mar;37(3):88–97

[The use of strongly polar separation phases for the gas chromatographic analysis of solvent vapors in the control of MAK values] Döhler R, et al. **Z Gesamte Hyg** 1982 May;28(5):311–2 (Eng. Abstr.) **(Ger)**

[Alveolar air as an index of exposure to solvents] Brugnone F, et al. **Ann Ist Super Sanita** 1981;17(3):633–5 **(Ita)**

[Environmental pollution by the solvents in shoe factories] Brugnone F, et al. **Ann Ist Super Sanita** 1981;17(3):531–4 **(Ita)**

[Determination of solvent vapors with activated charcoal: desorption efficiency] Pozzoli L, et al. **Ann Ist Super Sanita** 1981;17(3):395–9 **(Ita)**

[Determination of solvent vapors in the air during use of Butapren OBT III glue] Nowicka K, et al. **Med Pr** 1980; 31(6):447–51 (Eng. Abstr.) **(Pol)**

[Experience with using a spectrophotometric method for NR-1 oil solvent in water] Kirillova RP. **Gig Sanit** 1981 Oct;(10):83 **(Rus)**

METABOLISM

Quantitative determination of urinary metabolites in subjects exposed to organic solvents. Ogata M. **Acta Med Okayama** 1981 Dec;35(6):385–94 (36 ref.)

Ethoxyacetic acid and N-ethoxyacetylglycine: metabolites of ethoxyethanol (ethylcellosolve) in rats. Jönsson AK, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):358–62

Industrial solvents: some factors affecting their passage into and through the skin. Bird MG. **Ann Occup Hyg** 1981; 24(2):235–44

Percutaneous penetration of benzene and benzene contained in solvents used in the rubber industry. Maibach HI, et al. **Arch Environ Health** 1981 Sep-Oct;36(5):256–60

Uptake via the blood and elimination of 10 organic solvents following epicutaneous exposure of anesthetized guinea pigs. Jakobson I, et al. **Toxicol Appl Pharmacol** 1982 Apr; 63(2):181–7

PHARMACODYNAMICS

Effects of ethanol and other organic solvents on the kinetic behaviour of purified human placental oestradiol-17 beta-dehydrogenase. Lübbert H. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):448–53

Histamine release and hypotensive reactions in dogs by solubilizing agents and fatty acids: analysis of various components in cremophor El and development of a compound with reduced toxicity. Lorenz W, et al. **Agents Actions** 1982 Apr;12(1–2):64–80

Ultrastructural changes in livers of young and aging rats exposed to methylated benzenes. Bowers DE Jr, et al. **Am J Vet Res** 1982 Apr;43(4):679–83

Variations of some parameters of enzyme induction in chemical workers. Dolara P, et al. **Ann Occup Hyg** 1982; 25(1):27–32

The effect of solvents upon the yield of revertants in the Salmonella/activation mutagenicity assay. Anderson D, et al. **Carcinogenesis** 1980 Apr;1(4):363–6

Effect of solvents on methylcholanthrene-induced carcinogenesis in mice. Reddy AL, et al. **Int J Cancer** 1981; 27(4):501–4

Effect of propylene glycol on subcutaneous absorption of a benzimidazole hydrochloride. Yu CD, et al. **J Pharm Sci** 1982 Apr;71(4):476–8

The organic solvents and beta-glucuronidase of leucocytes. Moszczynski P. **Med Lav** 1982 Mar-Apr;73(2):160–2

The efficiency of various solvents in the extraction of chemical mutagens from living tissues: a comparative study. Al-Mossawi MJ, et al. **Mutat Res** 1982 Apr;104(1–3):43–8

Prenatal interactions between ethanol and the industrial solvent 2-ethoxyethanol in rats: neurochemical effects in the offspring. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1982 May-Jun;4(3):395–401

Prenatal interactions between ethanol and the industrial solvent 2-ethoxyethanol in rats: maternal and behavioral teratogenic effects. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1982 May-Jun;4(3):387–94

Ultrastructural alteration of the alveolar epithelium after exposure to organic solvents. Schnoy N, et al. **Respiration** 1982 May-Jun;43(3):221–31

Behavioral changes after long-term exposure to organic solvents and their mixtures: determining factors and research results. Lindström K. **Scand J Work Environ Health** 1981;7 Suppl 4:48–53

Effect of mono-octanoin on canine gastric mucosa. Lillemoe KD, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):13–6

Adsorption of solvents by activated charcoal, polymers, and mineral sorbents. Decker WJ, et al. **Vet Hum Toxicol** 1981; 23(Suppl 1):44–6

Effects of detergents and organic solvents on rat liver microsomal UDP-glucuronosyltransferase activity towards phenolic substrates. Illing HP, et al. **Xenobiotica** 1981 Oct; 11(10):709–18

[Root canal disobturation: are solvents antiseptic?] Rocca JP, et al. **Actual Odontostomatol (Paris)** 1981;136:571–5 (Eng. Abstr.) **(Fre)**

[Solubility of carbonyl-conjugated pentaenes in organic solvents and the effect of water] Schultz H, et al. **Antibiotiki** 1982 Jan;27(1):11–5 **(Rus)**

[Admixture effect on oleandomycin phosphate solubility in organic solvents] Slavin AA, et al. **Antibiotiki** 1982 Feb; 27(2):99–102 **(Rus)**

[High-speed centrifugation of rotated micelles in an organic solvent: a new approach to the determination of protein molecular weight] Levashov AV, et al. **Dokl Akad Nauk SSSR** 1981;259(2):485–8 **(Rus)**

[Electrolyte effect on heliotrine and lasiocarpine extraction with organic solvents] Ikramova MV, et al. **Sud Med Ekspert** 1981 Jul-Aug;24(3):44–5 (Eng. Abstr.) **(Rus)**

POISONING

Studies on kidney function in subjects exposed to organic solvents. IV. Effect on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):373–6

Supradiaphragmatic presentation of non-Hodgkin's lymphoma in men occupationally exposed to organic solvents. Olsson H, et al. **Acta Med Scand** 1981;210(5):415–8

Multiple sclerosis among shoe and leather workers: an epidemiological survey in Florence. Amaducci L, et al. **Acta Neurol Scand** 1982 Feb;65(2):94–103

Prognosis in chronic toxic encephalopathy. A two-year follow-up study in 26 house painters with occupational encephalopathy. Bruhn P, et al. **Acta Neurol Scand** 1981 Oct;64(4):259–72

Clinical prognosis of patients with diagnosed chronic solvent intoxication. Juntunen J, et al. **Acta Neurol Scand** 1982 May; 65(5):488–503

Reaction time of industrial workers exposed to organic solvents: relationship to degree of exposure and psychological performance. Gregersen P, et al. **Am J Industr Med** 1981;2(4):313–21

Changes in psychological performances of solvent-poisoned and solvent-exposed workers. Lindström K. **Am J Industr Med** 1980;1(1):69–84

Neurophysiological and psychological picture of solvent poisoning. Seppäläinen AM, et al. **Am J Industr Med** 1980; 1(1):31–42

Psychiatric ratings in occupational health research: a study of mental symptoms in lacquerers. Struwe G, et al. **Am J Industr Med** 1980;1(1):23–30

Status epilepticus caused by solvent abuse. Allister C, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1156

Neurotoxic effects of long-term exposure to organic hydrocarbon solvents. Epidemiologic aspects. Hernberg S. **Dev Toxicol Environ Sci** 1980;8:307–17 (28 ref.)

Free erythrocyte protoporphyrin (FEP) in a general population, workers exposed to low-level lead, and organic-solvent workers. Toriumi H, et al. **Environ Res** 1981 Aug;25(2):310–6

Cerebrospinal fluid cells and proteins in patients occupationally exposed to organic solvents. Juntunen J, et al. **J Neurol Sci** 1982 Jun;54(3):413–25

Solvents and the central nervous system [editorial] **Lancet** 1981 Sep 12;2(8246):565–6

Solvents and the central nervous system [letter] Seppäläinen AM, et al. **Lancet** 1981 Oct 17;2(8251):864

Extraction of tissue lipids with a solvent of low toxicity. Radin NS. **Methods Enzymol** 1981;72:5–7

Neurophysiological changes in workers exposed to organic solvents in a shoe factory. Mutti A, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:136–41

Neurophysiological findings among workers exposed to organic solvents. Seppäläinen AM. **Scand J Work Environ Health** 1981;7 Suppl 4:29–33

Neurophysiological findings among house painters exposed to solvents. Seppäläinen AM, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:131–5

[Liver damage following long-term occupational exposure to organic solvents] Døssing M, et al. **Ugeskr Laeger** 1981 Aug 31;143(36):2297–2302 (Eng. Abstr.) **(Dan)**

[Brain damage and epilepsy in a sailor of a tanker carrying chemicals] Fossan GO, et al. **Tidsskr Nor Laegeforen** 1982 Jan 30;102(3):183–4 (Eng. Abstr.) **(Nor)**

[Mental and neurological signs of damages from solvents – a working model for social medicine] Haglund B, et al. **Nord Med** 1982 Mar;97(3):85–8 (Eng. Abstr.) **(Swe)**

THERAPEUTIC USE

In vitro dissolution of gallstones: comparison of monooctanoin, sodium dehydrocholate, heparin, and saline. Teplick SK, et al. **AJR** 1982 Feb;138(2):271–3

TOXICITY

Effects of organic solvents. Waldron HA. **Br J Hosp Med** 1981 Dec;26(6):645–9 (42 ref.)

Influence of a co-solvent (acetone) and ultrasonication on the acute toxicity of a quaternary amine (Aliquat 336) and an organophosphorus compound (HDEHP) to Daphnia magna. Berglind R, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):316–25

Neurochemical effects of extended exposure to white spirit vapour at three concentration levels. Savolainen H, et al. **Chem Biol Interact** 1982 Mar 1;39(1):101–10

Vestibular dysfunction in occupational chronic solvent intoxication. Arlien-Søborg P, et al. **Clin Otolaryngol** 1981 Aug;6(4):285–90

Experimental neurotoxicity and urinary metabolites of the C5–C7 aliphatic hydrocarbons used as glue solvents in shoe manufacture. Frontali N, et al. **Clin Toxicol** 1981 Dec; 18(12):1357–67

A comparative study of the toxicity of n–pentane, n–hexane, and n–heptane to the peripheral nerve of the rat. Takeuchi Y, et al. **Clin Toxicol** 1981 Dec;18(12):1395–402

Neurologic response to white spirit exposure. Cohr KH, et al. **Dev Toxicol Environ Sci** 1980;8:95–102

Cerebellar dysfunction caused by sniffing of toluene–containing thinner. Takeuchi Y, et al. **Ind Health** 1981;19(3):163–9

Effect of Tween 80 on exploratory behavior and locomotor activity in rats. Brubaker CM, et al. **Life Sci** 1982 Jun 7; 30(23):1965–71

Some stimulus properties of inhalants: preliminary findings. Vila J, et al. **Neurobehav Toxicol Teratol** 1981 Winter; 3(4):477–80

Ethoxyethanol behavioral teratology in rats. Nelson BK, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):231–49

Changes in rat liver microsomal cytochrome P–450 and enzymatic activities after the inhalation of n–hexane, xylene, methyl ethyl ketone and methylchloroform for four weeks. Toftgård R, et al. **Scand J Work Environ Health** 1981 Mar;7(1):31–7

Pulmonary response to inhaled hexamethylphosphoramide in rats. Lee KP, et al. **Toxicol Appl Pharmacol** 1982 Jan; 62(1):90–103

Effects of industrial effluents, heavy metals, and organic solvents on mallard embryo development. Hoffman DJ, et al. **Toxicol Lett** 1981 Sep;9(1):35–40

Acute toxicity of organic solvents, heavy metals and DDT tested in cultures of mouse neuroblastoma cells. Peterson A, et al. **Toxicol Lett** 1981 Oct;9(2):101–6

[NBT reduction test in workers exposed to organic solvents] Moszczyński P. **Wiad Lek** 1981 May 15;34(10):825–9 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of the toxicity of BR–1 and BR–2 benzines] Shumskaia NI, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):52 **(Rus)**

URINE

Neurotoxic metabolites of 'commercial hexane' in the urine of shoe factory workers. Perbellini L, et al. **Clin Toxicol** 1981 Dec;18(12):1377–85

SOMAN see under **ORGANOPHOSPHORUS COMPOUNDS**

SOMATIC CELL HYBRIDS see **HYBRID CELLS**

SOMATIZATION DISORDER see **SOMATOFORM DISORDERS**

SOMATOFORM DISORDERS

Pseudobradycardia during Holter monitoring. The electronic Munchausen syndrome? Mitchell CC, et al. **JAMA** 1982 Jul 23;248(4):469–70

CLASSIFICATION

Mind–body disorders. Classification. Mendel JG. **NY State J Med** 1982 Jan;82(1):76–8

COMPLICATIONS

Depression and somatization: a review. Part I. Katon W, et al. **Am J Med** 1982 Jan;72(1):127–35

DIAGNOSIS

Psychogenic seizures. A study of 42 attacks in six patients, with intensive monitoring. Desai BT, et al. **Arch Neurol** 1982 Apr;39(4):202–9

Mania operativa: an uncommon, unrecognized cause of limb amputation. Hunter GA, et al. **Can J Surg** 1982 Jan; 25(1):92–3

Briquet's syndrome (hysteria) and the physician. Mai FM. **Can Med Assoc J** 1982 Jul 15;127(2):99–100

A young woman with a history: 53 medically undocumented complaints. Herschberg SN, et al. **Hosp Pract** 1982 May; 17(5):149, 152–3

The psychological significance of somatic complaints. Anstett R, et al. **J Fam Pract** 1982 Feb;14(2):253–9

Somatization in family practice: a biopsychosocial approach. Rosen G, et al. **J Fam Pract** 1982 Mar;14(3):493–502 (52 ref.)

A scale for measurement of the problem patient labeling process. McGaghie WC, et al. **J Nerv Ment Dis** 1982 Oct; 170(10):598–604

The clinical management of hysteria. Murphy GE. **JAMA** 1982 May 14;247(18):2559–64

Somatoform disorders: differentiation of conversion, hypochondriacal, psychophysiologic, and related disorders. Brink TL, et al. **Postgrad Med** 1982 Jul;72(1):189–94, 196, 198

Psychogenic purpura [letter] Pate JK. **South Med J** 1982 Mar;75(3):381

[Depression in rheumatic diseases or somatic symptoms in depression] Carrière B. **Fortschr Med** 1981 Aug 27; 99(31–32):1226–30 (Eng. Abstr.) **(Ger)**

[Psychogenic polydipsia in a child] Grunberg J, et al. **Bol Med Hosp Infant Mex** 1981 Sep–Oct;38(5):807–15 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Depression – somatization – suicide. Part 3: Principles of somatologic and psychotherapeutic treatment in ambulatory care. Guided use of psychopharmaceuticals] Hertrich O. **Fortschr Med** 1981 Sep 24;99(36):1428–33 **(Ger)**

ETIOLOGY

Depression and somatization: a review. Part II. Katon W, et al. **Am J Med** 1982 Feb;72(2):241–7 (42 ref.)

Screening test for identifying adolescents adversely affected by a parental drinking problem. Biek JE. **J Adolesc Health Care** 1981 Dec;2(2):107–13

OCCURRENCE

The couvade syndrome: an epidemiologic study. Lipkin M Jr, et al. **Ann Intern Med** 1982 Apr;96(4):509–11

PSYCHOLOGY

Some psychodynamic observations on the symptom of heat in the head. Ebigbo PO, et al. **Afr J Psychiatr** 1981 Jan–Apr;7(1–2):25–30

Postprandial hypoglycemia and 'psychological'symptoms. Hale F, et al. **Biol Psychiatry** 1982 Jan;17(1):125–30

Unresolved bereavement: medical reenactment of a loved one's terminal illness. Melson SJ, et al. **Postgrad Med** 1982 Jul;72(1):172–9

SOMATOMAMMOTROPIN, CHORIONIC see **PLACENTAL LACTOGEN**

SOMATOMEDINS

Synthesis and characterization of molecular hybrids of insulin and insulin–like growth factor I. The role of the A–chain extension peptide. King GL, et al. **J Biol Chem** 1982 Sep 25;257(18):10869–73

[Synthesis of an insulin–like growth factor I hybrid insulin (author's transl)] Geiger R, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):799–807 (Eng. Abstr.) **(Ger)**

ANALYSIS

Structural similarities between human receptors for somatomedin C and insulin: analysis by affinity labeling. Chernausek SD, et al. **Biochemistry** 1981 Dec 22; 20(26):7345–50

The insulin–like growth factors (IGF) of human serum: chemical and biological characterization and aspects of their possible physiological role. Zapf J, et al. **Curr Top Cell Regul** 1981;19:257–309 (147 ref.)

Radioimmunological determination of insulinlike growth factors I and II in normal subjects and in patients with growth disorders and extrapancreatic tumor hypoglycemia. Zapf J, et al. **J Clin Invest** 1981 Nov;68(5):1321–30

Commentary: use of the RIA for somatomedin–C estimation [editorial] D'Ercole AJ. **J Pediatr** 1981 Nov;99(5):735–6

The use of a commercially available somatomedin–C radioimmunoassay in patients with disorders of growth. Reiter EO, et al. **J Pediatr** 1981 Nov;99(5):720–4

BIOSYNTHESIS

Somatomedin production by rat liver in organ culture. III. Studies on the release of insulin–like growth factor and its carrier protein measured by radioligand assays. Effects of growth hormone, insulin and cortisol. Binoux M, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):422–30

Somatomedin generating activity of the 20,000–dalton variant of human growth hormone. Spencer EM, et al. **Endocrinology** 1981 Oct;109(4):1301–2

BLOOD

Effects of glucocorticoid on body growth and serum levels of somatomedin A in the rat. Asakawa K, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):206–10

Serum somatomedin A and non–dialyzable urinary hydroxyproline in girls with idiopathic scoliosis. Skogland LB, et al. **Acta Orthop Scand** 1981 Jun;52(3):307–13

A screening method for measuring somatomedin B protein binding in serum from children with growth retardation. Rudd BT, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):83–8

Sulfate uptake and somatomedin levels in the 'little' (lit/lit) mouse. McKern NM, et al. **Aust J Biol Sci** 1981; 34(2):221–30

Changes in somatomedin–like activity and growth hormone concentrations in the plasma of the domestic fowl (Gallus domesticus). Falconer J, et al. **Aust J Exp Biol Med Sci** 1981 Oct;59(Pt 5):629–38

Radioimmunoassay for somatomedin C: comparison with radioreceptor assay in patients with growth–hormone disorders, hypothyroidism, and renal failure. Baxter RC, et al. **Clin Chem** 1982 Mar;28(3):488–95

Purification of tracer for somatomedin C radioimmunoassay by hydrophobic interaction chromatography. Baxter RC, et al. **Clin Chem** 1982 Mar;28(3):485–7

Effect of pubertal stage and recent blood glucose control on plasma somatomedin C in children with insulin–dependent diabetes mellitus. Blethen SL, et al. **Diabetes** 1981 Oct;30(10):868–72

Basic peptide with insulin–like activity in human serum. Sasaki N, et al. **Endocrinol Jpn** 1981 Apr;28(2):157–67

Measurement of somatomedin–related peptides in fetal, neonatal, and maternal rat serum by insulin–like growth factor (IGF) I radioimmunoassay, IGF–II radioreceptor assay (RRA), and multiplication–stimulating activity RRA after acid–ethanol extraction. Daughaday WH, et al. **Endocrinology** 1982 Feb;110(2):575–81

Long–term treatment of acromegaly with lisuride: differences of effect on growth hormone and somatomedin. Marek J, et al. **Endokrinologie** 1981 Dec;78(2–3):175–85

Somatomedin–like activity in cord blood from infants of hypertensive mothers. Falconer J, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):151–5

Plasma somatomedin–C as a screening test for growth hormone deficiency in children and adolescents. Moore DC, et al. **Horm Res** 1982 Jan–Feb;16(1):49–55

The somatomedin activity in plasma from patients with multiple mechanical injuries: with observations on plasma cortisol. Coates CL, et al. **Injury** 1981 Sep;13(2):100–7

Kinetics of the somatomedin C/insulin–like growth factor I: response to exogenous growth hormone (GH) in GH–deficient children. Blethen SL, et al. **J Clin Endocrinol Metab** 1982 May;54(5):986–90

Somatomedin peptide distribution and somatomedin–binding protein content in cord plasma: comparison to normal and hypopituitary plasma. Borsi L, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):223–8

Reduction of plasma immunoreactive somatomedin C during fasting in humans. Clemmons DR, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1247–50

Pitfalls in the somatomedin–C radioimmunoassay. Furlanetto RW. **J Clin Endocrinol Metab** 1982 May;54(5):1084–6

Serum somatomedin/insulin–like growth factor (IGF) and IGF carrier levels in patients with Cushing's syndrome or receiving glucocorticoid therapy. Gourmelen M, et al. **J Clin Endocrinol Metab** 1982 May;54(5):885–92

A radioimmunoassay for insulin–like growth factor II specific for the C–peptide region. Hintz RL, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):442–6

Growth hormone and somatomedin in insulin–dependent diabetes mellitus. Horner JM, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1148–53

Insulin–like growth factor in pregnancy: studies in a growth hormone–deficient dwarf. Merimee TJ, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1101–3

Bromocriptine therapy in acromegaly: use in patients resistant to conventional therapy and effect on serum levels of somatomedin C. Moses AC, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):752–8

The importance of insulin–like growth factor (somatomedin) measurements in the diagnosis and surveillance of acromegaly. Rieu M, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):147–53

Effects of human growth hormone administration on serum somatomedins, somatomedin carrier proteins, and growth rates in children with growth hormone deficiency. Schalch DS, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):49–55

Somatomedin C in treated acromegaly: poor correlation with growth hormone and clinical response. Stonesifer LD, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):931–4

Lack of response of nonsuppressible insulin–like activity to short term administration of human growth hormone in thalassemia major. Werther GA, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):806–9

Effect of glucocorticoids, butanol extraction of serum and adrenalectomy on somatomedin levels in the rat. Holder AT, et al. **J Endocrinol** 1981 Sep;90(3):411–20

Development of a heterologous radioimmunoassay for somatomedin C in sheep blood. Underwood LE, et al. **J Endocrinol** 1982 Apr;93(1):31–9

Growth and somatomedin–C responses to growth hormone in dwarfed children. Hayek A, et al. **J Pediatr** 1981 Dec; 99(6):868–72

Plasma somatomedin–C during the first year of life. Kaplowitz PB, et al. **J Pediatr** 1982 Jun;100(6):932–4

Low somatomedin–C levels in older men rise in response to growth hormone administration. Johanson AJ, et al. **Johns Hopkins Med J** 1981 Sep;149(3):115–7

The metabolic basis for the lens growth inhibiting effect of hypophysectomy. I. The blood. Rothstein H, et al. **Metab Pediatr Ophthalmol** 1981;5(2):117–32

Circulating somatomedin activity and sulfate levels in adults with normal and impaired kidney function. Phillips LS, et al. **Metabolism** 1981 Nov;30(11):1091–5

Hypoglycemia associated with non–islet–cell tumor and insulin–like growth factors [letter] Froesch ER, et al. **N Engl J Med** 1982 May 13;306(19):1178–9

Hypoglycemia associated with non–islet–cell tumor and insulin–like growth factors. Gorden P, et al. **N Engl J Med** 1981 Dec 10;305(24):1452–5

Insulin–like growth factor I and the nutritional status of pygmies [letter] Underwood LE, et al. **N Engl J Med** 1982 Feb 4;306(5):303

Changes in a somatomedin–like factor and immunoassayable growth hormone during growth of normal and dwarf pullets and cockerels. Hoshino S, et al. **Poult Sci** 1982 Apr; 61(4):777–84

The effect of different isolation procedures on the yields of insulin–like growth factors from human plasma. Cornell

HJ. **Prep Biochem** 1982;12(1):57–76

Blood plasma levels of cortisol, insulin, growth hormone and somatomedin in children with marasmus, kwashiorkor, and intermediate forms of protein–energy malnutrition. Smith IF, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):607–11

[Measurement of somatomedin activity in blood using a biological method] Schüllerová M, et al. **Cesk Fysiol** 1981; 30(6):537–44 **(Cze)**

[Serum somatomedin activity in children after surgery for craniopharyngioma (authors transl)] Martinez MJ, et al. **Arch Fr Pediatr** 1981 Dec;38 Suppl 1:881–6 (Eng. Abstr.) **(Fre)**

[Blood serum somatomedin activity in children with bone tumors] Vasil'eva IA, et al. **Vopr Onkol** 1982;28(7):38–41 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Evidence for two species of insulin-like growth factor II (IGF II and 'big' IGF II) in human spinal fluid. Haselbacher G, et al. **Endocrinology** 1982 May; 110(5):1822–4

DEFICIENCY

Dwarfism in the pygmy. An isolated deficiency of insulin-like growth factor I. Merimee TJ, et al. **N Engl J Med** 1981 Oct 22;305(17):965–8

IMMUNOLOGY

Monoclonal antibody against human somatomedin–C/insulin-like growth factor-I. Baxter RC, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):474–6

ISOLATION & PURIFICATION

Isolation and partial sequence analysis of rat basic somatomedin. Rubin JS, et al. **Endocrinology** 1982 Mar; 110(3):734–40

Extraction of somatomedin activity from rat liver. Vassilopoulou-Sellin R, et al. **Endocrinology** 1982 Feb; 110(2):582–9

Somatomedin-like peptide(s) isolated from fetal bovine cartilage (cartilage-derived factor): isolation and some properties. Kato Y, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6831–5

METABOLISM

Somatomedin activity measured as sulphation factor in culture media from normal human liver and connective tissues explants. Effects of human growth hormone. Schimpff RM, et al. **Acta Endocrinol (Copenh)** 1981 Sep; 98(1):24–8

Changes in the concentration of somatomedin-like activity in amniotic fluid and maternal plasma from rhesus monkeys during the last third of gestation. Falconer J, et al. **Aust J Exp Biol Med Sci** 1981 Oct;59(Pt 5):623–8

Isolation and somatomedin activity of bovine growth hormone fragment 87–124. Liberti JP. **Biochim Biophys Acta** 1981 Jul;675(2):239–47

Simultaneous inhibition of insulin and somatomedin–C binding to cultured IM–9 lymphocytes by naturally occurring antireceptor antibodies. Rosenfeld RG, et al. **Diabetes** 1981 Nov;30(11):979–82

Effect of food and GH on the binding of 125I-somatomedin A to the membranes of rat lung and kidney. Takano K, et al. **Endocrinol Jpn** 1981 Oct;28(5):669–75

Further characterization of human basic-somatomedin: comparison with insulin-like growth factors I and II. Bhaumick B, et al. **Horm Metab Res** 1981 Sep;13(9):515–8

The subunit structures of two distinct receptors for insulin-like growth factors I and II and their relationship to the insulin receptor. Massagué J, et al. **J Biol Chem** 1982 May 10;257(9):5038–45

Evidence for production by the liver of two IGF binding proteins with similar molecular weights but different affinities for IGF I and IGF II. Their relations with serum and cerebrospinal fluid IGF binding proteins. Binoux M, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):600–2

Relationship of serum immunoreactive somatomedin–C to dietary protein and energy in growing rats. Prewitt TE, et al. **J Nutr** 1982 Jan;112(1):144–50

The metabolic basis for the lens growth inhibiting effect of hypophysectomy. II. The liver. Rothstein H, et al. **Metab Pediatr Ophthalmol** 1981;5(2):133–43

Somatomedin receptor of human placenta: solubilization, photolabeling, partial purification, and comparison with insulin receptor. Bhaumick B, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4279–83

Divergence of binding sites, in vitro action, and secretory regulation of the somatomedin peptides, IGF–I and IGF–II. Daughaday WH. **Proc Soc Exp Biol Med** 1982 Jul;170(3):257–63 (29 ref.)

PHARMACODYNAMICS

Human fetal cartilage response to plasma somatomedin activity in relation to gestational age. Ashton IK, et al. **Calcif Tissue Int** 1981;33(3):205–9

A somatomedin-like peptide hormone is required during the estrogen-mediated induction of ovalbumin gene transcription. Evans MI, et al. **Cell** 1981 Jul;25(1):187–93

Autoradiographic comparison of growth factors: influence of growth hormone and somatomedin B on patterns of proline incorporation. Rudman CG, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):319–24

Effects of the somatomedins and insulin on myoblast differentiation in vitro. Ewton DZ, et al. **Dev Biol** 1981 Aug;86(1):31–9

Cyclic nucleotides and somatomedin action in cartilage. Stuart CA, et al. **Endocrinology** 1982 Aug;111(2):553–8

Insulin acts as a somatomedin analog in stimulating myoblast growth in serum-free medium. Florini JR, et al. **In Vitro** 1981 Sep;17(9):763–8

Fibroblasts from a patient with leprechaunism are resistant to insulin, epidermal growth factor, and somatomedin C. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):741–8

Characterization of the somatomedin–C/insulin-like growth factor I (SM–C/IGF–I) receptor on cultured human fibroblast monolayers: regulation of receptor concentrations by SM–C/IGF–I and insulin. Rosenfeld RG, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):434–40

Insulin-like growth factor I stimulates growth in hypophysectomized rats. Schoenle E, et al. **Nature** 1982 Mar 18;296(5854):252–3

[Demonstration of the presence of an ultrafiltrable substance in human serum activating somatomedin A] Heulin MH, et al. **C R Soc Biol (Paris)** 1981;175(3):364–71 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The somatomedins. Hintz RL. **Adv Pediatr** 1981;28:293–317 (99 ref.)

Interrelationship of insulin and somatomedin activity in fetal rats. Beinze E, et al. **Biol Neonate** 1982;41(5–6):240–5

A longitudinal study on plasma somatomedin activity in full-term, preterm and small-for-gestational age newborns. Tatò L, et al. **Biol Neonate** 1981;39(3–4):160–4

Somatomedins and fetal growth. Hill DJ, et al. **Ciba Found Symp** 1981;86:124–51

THERAPEUTIC USE

Cellular growth in organs of dwarf mice during treatment with growth hormone, thyroxine and plasma fractions containing somatomedin activity. van Buul-Offers S, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):150–60

SOMATOSENSORY CORTEX

ANATOMY & HISTOLOGY

Organization of somatosensory input to the deep collicular laminae in hamster. Rhoades RW. **Behav Brain Res** 1981 Sep;3(2):201–22

Afferents to the cortical larynx area in the monkey. Jürgens U. **Brain Res** 1982 May 13;239(2):377–89

Cells of different sizes in the ventral nuclei project to different layers of the somatic cortex in the cat. Penny GR, et al. **Brain Res** 1982 Jun 17;242(1):55–65

An electron microscopic study of the termination of thalamocortical fibres in areas 3b, 1 and 2 of the somatic sensory cortex in the monkey. Shanks MF, et al. **Brain Res** 1981 Aug 10;218(1–2):35–47

Physiological properties and pattern of projection of cortico-cortical connections from the anterior bank of the ansate sulcus to the motor cortex, area 4 gamma, in the cat. Waters RS, et al. **Exp Brain Res** 1982;46(3):403–12

A collateral pathway to the neostriatum from corticofugal neurons of the rat sensory-motor cortex: an intracellular HRP study. Donoghue JP, et al. **J Comp Neurol** 1981 Sep 1;201(1):1–13

Reorganization of somatosensory input to superior colliculus in neonatally enucleated hamsters: anatomical and electrophysiological experiments. Rhoades RW, et al. **J Neurophysiol** 1981 Oct;46(4):855–77

The transplantation of eyes to genetically eyeless salamanders: visual projections and somatosensory interactions. Harris WA. **J Neurosci** 1982 Mar;2(3):339–53

Cortico–cortical connections between the auditory fields and the sensorimotor region of the cortex. Ermolaeva VY, et al. **Neurosci Behav Physiol** 1981 Sep–Oct;11(5):514–20

The anterior border zones of primary somatic sensory (S1) neocortex and their relation to cerebral convolutions, shown by micromapping of peripheral projections to the region of the fourth forepaw digit representation in raccoons. Johnson JI, et al. **Neuroscience** 1982 Apr; 7(4):915–36

[Comparison of the developing temporal neocortex with the sensorimotor cortex in rats (author's transl)] Nicolai B, et al. **Z Mikrosk Anat Forsch** 1981;95(3):385–9 (Eng. Abstr.) **(Ger)**

[Cytoarchitectonic and quantitative characteristics of cell groupings in layer IV of the cerebral cortex in the vibrissa representation area of the rat] Lapenko TK. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):33–8 (Eng. Abstr.) **(Rus)**

[Structural basis of sensomotor integration in the cerebral cortex of cats] Kotliar BI, et al. **Neirofiziologiia** 1981; 13(5):460–6 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The origin of the acetylcholinesterase-rich afferents to layer IV of infant somatosensory cortex. A histochemical analysis following lesions. Kristt DA, et al. **Anat Embryol (Berl)** 1981;163(1):31–41

A Golgi study of the superficial pyramidal cells in the somatosensory cortex of socially reared old adult rats. Connor JR, et al. **Exp Neurol** 1982 Apr;76(1):35–45

Development of non-pyramidal neurons in the rat sensorymotor cortex during the fetal and early postnatal periods. Ferrer I, et al. **J Hirnforsch** 1981;22(5):555–62

A computer system for combined neuronal mapping and morphometry. Curcio CA, et al. **J Neurosci Methods** 1981 Oct;4(3):267–76

Quantification of synapses formed with apical dendrites of Golgi-impregnated pyramidal cells: variability in thalamocortical inputs, but consistency in the ratios of asymmetrical to symmetrical synapses. Hersch SM, et al. **Neuroscience** 1981;6(6):1043–51

[Metric examinations on the development of apical dendrites of cortical pyramidal cells during the postnatal time in the rat] Böhm O, et al. **J Hirnforsch** 1981;22(4):409–27 (Eng. Abstr.) **(Ger)**

[Differentiation sequence of the stellate neurons in the cat sensorimotor cortex in early postnatal ontogeny] Dem'ianenko GP. **Dokl Akad Nauk SSSR** 1982; 262(3):716–8 **(Rus)**

DRUG EFFECTS

Ontogenetic studies of the primary evoked responses and strychnine spike in motor-sensory cortex of kittens. Mann MD, et al. **Exp Neurol** 1982 Feb;75(2):368–88

Analog of a conditioned reflex of sensomotor cortical units following microinjection of acetylcholine. Kopytova FV, et al. **Neurosci Behav Physiol** 1981 May–Jun;11(3):213–20

Opiate pharmacology and individual differences. II. Somatosensory evoked potentials. Buchsbaum MS, et al. **Pain** 1981 Jun;10(3):367–77

[Mechanism of the central effects of tropane] Zakusov VV, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):529–31 (Eng. Abstr.) **(Rus)**

[Effect of inhibitors of protein biosynthesis on integrative functions of the cerebral cortex during elaboration and consolidation of defensive conditioned reactions] Timofeev NA, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1198–1206 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Activity of acetylcholinesterase in hypothalamic nuclei and in the cerebral cortex during changes of the dietary regimen] Gasanov GG, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):61–3 **(Rus)**

GROWTH & DEVELOPMENT

Somatosensory development in puppies. Beaver BV. . **VM SAC** 1982 Jan;77(1):39–41

METABOLISM

Stimulus-induced changes in extracellular Na+ and Cl– concentration in relation to changes in the size of the extracellular space. Dietzel I, et al. **Exp Brain Res** 1982; 46(1):73–84

Patterns of increased metabolic activity in somatosensory cortex of monkeys Macaca fascicularis, subjected to controlled cutaneous stimulation: a 2-deoxyglucose study. Juliano SL, et al. **J Neurophysiol** 1981 Dec;46(6):1260–84

[Extracellular Ca2+ and epilepsy. Examinations during normal and ictal activity in the somatosensory cortex of the cat] Heinemann U. **Fortschr Med** 1981 Nov 19; 99(43):1814 **(Ger)**

PATHOLOGY

[Morphologic changes in the sensomotor region of the rat cortex in chronic alcoholic intoxication] Pavlovskaia NI, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1557–60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Association projections from the secondary somatosensory cortex in the cat. Yamaguchi K, et al. **Acta Anat (Basel)** 1982;112(4):297–309

Scalp and cortical recordings of initial somatosensory cortex activity to median nerve stimulation in man. Allison T. **Ann NY Acad Sci** 1982;388:671–8

The contribution of afferent fiber tracts to the somatosensory evoked potential. Arezzo JC, et al. **Ann NY Acad Sci** 1982; 388:679–82

Somatosensory evoked response: application in neurology. Guerreiro CA, et al. **Arq Neuropsiquiatr** 1982 Mar; 40(1):29–38

Morphine suppression of neurotransmitter release evoked by sensory stimulation in vivo. Coutinho-Netto J, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1019–23

Extratelencephalic pathways and feeding behavior in the pigeon (Columba livia). Levine RR, et al. **Brain Behav Evol** 1981;19(1–2):56–92

Pyramidal tract neurons in somatosensory cortex: central and peripheral inputs during voluntary movement. Fromm C, et al. **Brain Res** 1982 Apr 22;238(1):186–91

Somatotopic organization of SI corticotectal projections in rats. Kassel J. **Brain Res** 1982 Jan 14;231(2):247–55

Functional reorganization of adult raccoon somatosensory cerebral cortex following neonatal digit amputation. Kelahan AM, et al. **Brain Res** 1981 Oct 26;223(1):152–9

A quantitative study of synaptic reorganization in red nucleus neurons after lesion of the nucleus interpositus of the cat: an electron microscopic study involving intracellular injection of horseradish peroxidase. Murakami F, et al. **Brain Res** 1982 Jun 17;242(1):41–53

Parallel processing of cutaneous information in the somatosensory system of the cat. Dykes RW. **Can J Neurol Sci** 1982 Feb;9(1):9–19

Effects of early peripheral lesions on the somatotopic organization of the cerebral cortex. Carson LV, et al. **Clin Neurosurg** 1981;28:532–46

Origins of cat somatosensory far-field and early near-field evoked potentials. Dong WK, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):143–65

Central somatosensory conduction time from 10 to 79 years. Hume AL, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):49–54

Cortical neural evoked correlates of somatosensory stimulus detection in the rhesus monkey. Kulics AT. **Electroencephalogr Clin Neurophysiol** 1982 Jan;53(1):78–93

Effects of attention on multiunit responses to vibration in the somatosensory regions of the monkey's brain. Poranen A, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):525–37

Mesencephalic and bulbar reticular formation influences on somatosensory transmission through the thalamus. Schieppati M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):338–42

Comparative studies of somatosensory cerebral and spinal evoked responses with F-wave and H-reflex latencies. Siafakas A, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb;22(1–2):55–64

Responses of cat mesencephalic reticulospinal neurons to stimulation of superior colliculus, pericruciate cortex, and neck muscle afferents. Fukushima K, et al. **Exp Brain Res** 1981;44(4):441–4

Cholinergic neurons in the basal forebrain of the cat have direct projections to the sensorimotor cortex. Ribak CE, et al. **Exp Neurol** 1982 Feb;75(2):453–65

Functional aspects of bulbospinal monoaminergic projections in modulating processing of somatosensory information. Yaksh TL, et al. **Fed Proc** 1981 Nov;40(13):2786–94

Intact adrenocortical responses to sensory stimuli in rats with bilateral somatosensory cortex ablation. Feldman S, et al. **Isr J Med Sci** 1982 Apr;18(4):515–7

Magnification functions and receptive field sequences for submodality-specific bands in SI cortex of cats. Dykes RW, et al. **J Comp Neurol** 1981 Nov 10;202(4):597–620

Reorganization of raccoon somatosensory cortex following removal of the fifth digit. Rasmusson DD. **J Comp Neurol** 1982 Mar 10;205(4):313–26

Thalamic projections to the primary and secondary somatosensory cortices in cat: single and double retrograde tracer studies. Spreafico R, et al. **J Comp Neurol** 1981 Nov 20;203(1):67–90

Physiological and anatomical evidence for a discontinuous representation of the trunk in S–I of tree shrews. Sur M, et al. **J Comp Neurol** 1981 Sep 1;201(1):135–47

The organization of somatosensory area II in tree shrews. Sur M, et al. **J Comp Neurol** 1981 Sep 1;201(1):121–33

Cortical substrates of taste aversion learning: dorsal prepiriform (insular) lesions disrupt taste aversion learning. Lasiter PS, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):376–92

Changes in excitability to weak-intensity extracellular electric al stimulation of units of pericruciate cortex in cats. Brons JF, et al. **J Neurophysiol** 1982 Mar;47(3):377–88

Somatotopical tuning of postcentral gyrus during focal attention in man. A regional cerebral blood flow study. Roland PE. **J Neurophysiol** 1981 Oct;46(4):744–54

Historical survey. The concept of a sensorimotor cortex: its later history during the twentieth century. Meyer A. **Neuropathol Appl Neurobiol** 1982 Mar–Apr;8(2):81–93

Characteristics of neuronal responses in the sensorimotor cortex of the cat to monaural and binaural stimulation. Kulikov GA, et al. **Neurosci Behav Physiol** 1981 Sep–Oct; 11(5):463–70

Effect of stimulation of the locus coeruleus on spontaneous and evoked cortical unit activity. Raevskii VV, et al. **Neurosci Behav Physiol** 1981 May–Jun;11(3):253–5

Effect of isolated and combined stimulation of thalamic nuclei on the character of functional connections between sensomotor cortical neurons. Stashkevich IS, et al. **Neurosci Behav Physiol** 1981 May–Jun;11(3):247–53

Projection of tooth pulp afferents to the brainstem and to the cortex in the cat. Keller O, et al. **Neurosci Lett** 1981 Sep 25;25(3):233–7

Neuronal responses to noxious stimulation in rat somatosensory cortex. Lamour Y, et al. **Neurosci Lett** 1982 Mar 17;29(1):35–40

Cortical field potentials preceding self-paced and visually initiated hand movements in one and the same monkey and influences of cerebellar hemispherectomy upon the potentials. Sasaki K, et al. **Neurosci Lett** 1981 Sep 25; 25(3):287–92

Somatosensory feedback mechanisms in tongue and speech muscle movements. Sandyk R. **S Afr Med J** 1981 Dec 26; 60(26):992–3

Sensorimotor electroencephalogram rhythmic activity: a functional gate mechanism. Sterman MB, et al. **Sleep** 1981; 4(4):408–22

[Laminar distribution of excitatory responses to acetylcholine in rat somatic sensory cortex: a microionophoretic study] Lamour Y, et al. **C R Seances Acad Sci [III]** 1981 Jun 1; 292(20):1121–4 (Eng. Abstr.) (Fre)

[The responses of EEGs of healthy adults to periodic somatosensory stimulation (author's transl)] Miyamoto H. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):159–70 (Eng. Abstr.) (Jpn)

[Electrophysiological characteristics of the connection between the corpus geniculatum and the sensorimotor area of the cat cerebral cortex] Klimenko VIu, et al. **Biol Nauki** 1981;(8):55–61 (Rus)

[Effect of electroacupuncture on the integration of nociceptor and non-nociceptor afferent pathways in the second somatosensory cortex of the cerebral hemisphere] Reshetniak VK, et al. **Biull Eksp Biol Med** 1982 Mar; 93(3):11–3 (Eng. Abstr.) (Rus)

[Effect of serotonin and its antagonists on the evoked responses of the dental zones of the rabbit cerebral cortex during stimulation of the dental pulp] Degtiarev VP, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):664–6 (Rus)

[Correlation of phases of neuronal reactions with conditioned reflex movements] Kruchenko ZhA. **Fiziol Zh** 1981 Jul–Aug;27(4):492–9 (Eng. Abstr.) (Rus)

[Evoked responses in the projection zone of the cerebral cortex in cats in response to stimulation and destruction of the putamen] Al'bertin SV, et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1453–7 (Rus)

[Layer-by-layer analysis of transcallosal responses in the cat sensomotor cortex] Bianki VL, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1589–96 (Eng. Abstr.) (Rus)

[Effect of destruction of the ventrolateral nucleus of the thalamus on evoked potentials in the sensomotor region of the cortex in cats] Cherenkova LV, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1873–5 (Rus)

[Neurophysiological characteristics of the rat sensorimotor cortex in early motor deprivation and training] Shimko IA. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):64–70 (Eng. Abstr.) (Rus)

[Responses of the primary somatosensory cortex to rhythmic stimulation of the vibrissae in the cat] Fomovskii BI. **Neirofiziologiia** 1982;14(2):164–71 (Eng. Abstr.) (Rus)

[Organization of trace manifestations in cell populations of the sensorimotor cortex] Chizhenkova RA. **Usp Fiziol Nauk** 1981 Jul–Sep;12(3):106–30 (146 ref.) (Rus)

[Establishment of interhemispheric asymmetry of transcallosal potentials in the sensomotor cortex of cats] Makarova IA. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec; 31(6):1270–8 (Eng. Abstr.) (Rus)

[Nature of the interneuronal connections of the visual and sensomotor cortex in different functional states of the animal] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):637–9 (Rus)

[Statistical analysis of interneuronal functional connections during conditioned reflex elaboration] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):950–9 (Eng. Abstr.) (Rus)

[Signs of pre-tuning in the dynamics of evoked activity and reaction time in children] Peresleni LI, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):209–17 (Eng. Abstr.) (Rus)

[Conditioned reflex to stimulation of the lateral nucleus of the hypothalamus] Serdiuchenko VM, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1079–82 (Rus)

[Evoked potentials of the sensomotor cortex upon formation of a conditioned reflex to electric stimulation of the ventromedial nucleus of the hypothalamus] Serdiuchenko VM. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):236–42 (Rus)

[Interaction between heterogeneous streams of excitation in the process of fixation and extraction of information in the central nervous system] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1018–28 (Eng. Abstr.) (Rus)

[Spike responses of sensomotor cortex neurons to isolated and combined stimulation of thalamic nuclei] Veber NV, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):960–6 (Eng. Abstr.) (Rus)

[Representation of wrist joint afferents in the cerebral cortex of cats] Zalkind VI. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):633–6 (Rus)

PHYSIOPATHOLOGY

Early somatosensory evoked potentials in thalamo-cortical lesions of the lemniscal pathways in humans. Mauguière F, et al. **Adv Neurol** 1982;32:321–38

Huntington's disease: alterations of visual and somatosensory cortical evoked potentials in patients and offspring. Oepen G, et al. **Adv Neurol** 1982;32:141–7

Central somatosensory conduction after head injury. Hume AL, et al. **Ann Neurol** 1981 Nov;10(5):411–9

The effect of acute anoxia on the cortical somatosensory evoked potential in the rabbit. Colin F, et al. **Neurol Res** 1981;3(4):393–407

[Compensatory reorganization of zone SI of the neocortex in the cat] Silakov VL, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):100–6 (Eng. Abstr.) (Rus)

[Somatosensory epileptic crises] Gerstle de Pasquet E, et al. **Acta Neurol Latinoam** 1980;26(3):155–64 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Changes in the size and shape of synaptic vesicles in the sensorimotor cortex of the rat brain after repeated epileptic seizures. Havel J, et al. **Physiol Bohemoslov** 1982;31(1):91–4

[Effect of acoustic stress on morphology of rat sensorimotor cortex] Artiukhina NI, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):98–100 (Eng. Abstr.) (Rus)

[Effect of preliminary neurosensitization of female rats on the content of dense substance in the cerebral cortex of the offspring] Kazakova PB, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):11–3 (Rus)

[Phagocytic role of cortical dendrites in the development of anoxia in the cat] Vorob'ev VS, et al. **Tsitologiia** 1981 Aug;23(8):879–84 (Eng. Abstr.) (Rus)

[Ultrastructural changes in the sensorimotor area of the hindbrain archistriatum in the chick embryo during motor avoidance of electrodermal stimulation] Bogdanov OV, et al. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):86–91 (Eng. Abstr.) (Rus)

[Effect of post-ischemic restoration of blood flow on neuron-glia-capillary interrelations] Pavlovskaia NI. **Zh Nevropatol Psikhiatr** 1981;81(7):994–1000 (Eng. Abstr.) (Rus)

SOMATOSENSORY EVOKED POTENTIALS see **EVOKED POTENTIALS, SOMATOSENSORY**

SOMATOSTATIN see **SOMATOTROPIN RELEASE INHIBITING HORMONE**

SOMATOSTATINOMA see under **ISLET CELL TUMOR**

SOMATOTROPIN

Two contiguous thrombin fragments of human somatotropin form a functionally active recombinant, but the two homologous fragments from sheep hormone do not. Gráf L, et al. **Biochemistry** 1981 Dec 8;20(25):7251–8

Acetylation of bovine growth hormone by N-acetylimidazole. Blumgrund de Satz V, et al. **Int J Pept Protein Res** 1981 Nov;18(5):492–9

Fine structure of somatotrophs and mammotrophs during development of the dwarf (dw) mutant mouse. Wilson DB, et al. **J Anat** 1981 Oct;133(Pt 3):407–17

Altered proteolytic cleavage of human growth hormone as a result of deamidation. Lewis UJ, et al. **J Biol Chem** 1981 Nov 25;256(22):11645–50

Human growth hormone: 1974–1981. Li CH. **Mol Cell Biochem** 1982 Jul 7;46(1):31–41 (78 ref.)

ADVERSE EFFECTS

Pancreatic islet ultrastructure, serum and pancreatic immunoreactive insulin in somatotrophic and metasomatotrophic diabetes in dogs. Campbell J, et al. **J Submicrosc Cytol** 1981 Oct;13(4):599–608

[Hormonal treatment of hypophyseal dwarfism, a cause of epiphyseolisthesis capitis femoris? (author's transl)] Möhler W, et al. **Z Orthop** 1981 Feb;119(1):89–91 (Eng. Abstr.) (Ger)

ANALOGS & DERIVATIVES

Human growth hormone and other proteins prepared by recombinant DNA technology. Blethen SL, et al. **Am J Dis Child** 1982 Aug;136(8):669–71

Recombinant DNA-derived methionyl human growth hormone is similar in membrane binding properties to human pituitary growth hormone. Rosenfeld RG, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):202–9

Modification of lysine 69 reactivity in bovine growth hormone by carbamylation of its N-terminal group. Nowicki C, et al. **Int J Pept Protein Res** 1981 Jul; 18(1):52–60

Insulin-potentiating action of human growth hormone. Synthesis and activity of N-terminal fragments. Pullin CO, et al. **Int J Pept Protein Res** 1981 Sep;18(3):318–23

Biosynthetic methionyl human growth hormones is biologically active in adult man. Hintz RL, et al. **Lancet** 1982 Jun 5;1(8284):1276–9

ANALYSIS

Immunohistochemical detection of adenohypophyseal cells containing hormones in Rana ridibunda. Gracia-Navarro F, et al. **Cell Tissue Res** 1982;222(3):687–90

Immunocytochemical demonstration of somatotropin-like and prolactin-like activity in the brain of Calamoichthys calabaricus (Actinopterygii). Hansen BL, et al. **Cell Tissue Res** 1982;222(3):615–27

Immunohistochemical identification of a novel substance with human growth hormone-like immunoreactivity in rat brain. Lechan RM, et al. **Endocrinology** 1981 Dec; 109(6):1950–62

Heterogeneity of porcine somatotropin. Schleyer M, et al. **Hoppe Seylers Z Physiol Chem** 1982 Feb;363(2):179–85

Isolation and characterization of alpaca growth hormone. Biscoglio de Jimenez Bonino MJ, et al. **Int J Pept Protein Res** 1981 Mar;17(3):374–9

Immunohistochemical localization of human growth hormone-like material in the median eminence of the rat: light and electron microscopic observations. Lechan RM, et al. **Neurosci Lett** 1982 Jun 30;30(3):229–34

Optimization of a radioreceptor assay for human growth

hormone using male rat liver membranes. Kyle CV, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):368–75

The immunocytochemical detection of growth hormone and prolactin in human prostatic tissues. Harper ME, et al. **Prog Clin Biol Res** 1981;75B:115–28

[Growth hormone and somatomedin receptors] Tsushima T, et al. **Nippon Rinsho** 1981 Sep;39(9):2959–63 **(Jpn)**

ANTAGONISTS & INHIBITORS

Acetate: inhibitor of growth hormone hypersecretion in diabetic and non-diabetic uraemic subjects. Orskov H, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):551–8

Suggestion for a possible mitigating treatment of Duchenne muscular dystrophy [letter] Zatz M, et al. **Am J Med Genet** 1981;10(3):305–7

Inhibition of arginine- and hypoglycemia- induced growth hormone release by acetate in dialyzed patients. Schmitz O, et al. **Clin Nephrol** 1982 Feb;17(2):70–6

BIOSYNTHESIS

Characterization of intact and trypsin-digested biosynthetic human growth hormone by high-pressure liquid chromatography. Kohr WJ, et al. **Anal Biochem** 1982 May 15;122(2):348–59

Induction (or stimulation) of prolactin and growth hormone production in a rat pituitary tumor cell line by bromodeoxyuridine. Cohen H, et al. **Endocrinology** 1982 Feb;110(2):421–7

Growth hormone and prolactin synthesis in normal and homozygous Snell and Ames dwarf mice. Slabaugh MB, et al. **Endocrinology** 1981 Oct;109(4):1040–6

Effect of bromocriptine on thyroid hormone-induced growth hormone production in cultured GH1 cells. Tsai JS, et al. **Endocrinology** 1981 Oct;109(4):1306–8

Properties of human growth hormone polypeptides: purified from pituitary extracts and synthesized in monkey kidney cells and bacteria. Hizuka N, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):545–50

BLOOD

Prl, TSH, GH and LH responses to metoclopramide and breast-feeding in normal and hyperprolactinaemic women. Andersen AN, et al. **Acta Endocrinol (Copenh)** 1982 Jun; 100(2):177–83

Growth hormone, prolactin and cortisol nyctohemeral variations during naloxone-induced opiate receptor blockade in man. Delitala G, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):321–6

Influence of medroxyprogesterone acetate (Provera) on plasma growth hormone levels and on carbohydrate metabolism. I. Studies in the ovariohysterectomized bitch. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1981 Dec; 98(4):599–602

Radioimmunoassay of canine growth hormone. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):514–20

Influence of medroxyprogesterone acetate (Provera) on plasma growth hormone levels and on carbohydrate metabolism. II. Studies in the ovariohysterectomized, oestradiol-primed bitch. Eigenmann JE, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):603–8

Effect of glucagon infusion on blood glucose, plasma immunoreactive insulin, growth hormone and adenosine 3'5'-monophosphate in obese children. Molnár D, et al. **Acta Paediatr Acad Sci Hung** 1981;22(4):325–9

Energy metabolism, substrate utilization, metabolite and hormone levels in infants fed various parenteral solutions. Rubecz I. **Acta Paediatr Acad Sci Hung** 1982;23(1):59–68

The effect of oral flunitrazepam on the secretion of human growth hormone. Koulu M, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):316–7

Lack of enhanced nocturnal growth hormone release in tethered cynomolgus monkeys. Bunner DL, et al. **Am J Physiol** 1982 Sep;243(3):R213–7

Growth hormone levels and lithium ratios as predictors of success of lithium therapy in schizophrenia. Hirschowitz J, et al. **Am J Psychiatry** 1982 May;139(5):646–9

Role of endocrine function tests in the evaluation of transsphenoidal hypophysectomy for advanced breast cancer. Lee DA, et al. **Am J Surg** 1982 Apr;143(4):481–5

Antidiuretic and growth hormone responses during coronary artery surgery with sufentanil–oxygen and alfentanil–oxygen anesthesia in man. de Lange S, et al. **Anesth Analg (Cleve)** 1982 May;61(5):434–8

Feeding and growth hormone after cerebroventricular carbachol in sheep. Driver PM, et al. **Ann Rech Vet** 1981; 12(1):99–101

Growth hormone response to dextroamphetamine in depressed patients and normal subjects. Halbreich U, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):189–92

Changes in somatomedin-like activity and growth hormone concentrations in the plasma of the domestic fowl (Gallus domesticus). Falconer J, et al. **Aust J Exp Biol Med Sci** 1981 Oct;59(Pt 5):629–38

Prepubertal endogenous major depressives hyposecrete growth hormone in response to insulin-induced hypoglycemia. Puig-Antich J, et al. **Biol Psychiatry** 1981 Sep;16(9):801–18

Bupropion fails to affect plasma prolactin and growth hormone in normal subjects [letter] Whiteman PD, et al. **Br J Clin Pharmacol** 1982 May;13(5):743–5

Growth hormone and other responses to clonidine in patients with endogenous depression. Checkley SA, et al. **Br J Psychiatry** 1981 Jan;138:51–5

Plasma prolactin and growth hormone levels in manic patients treated with pimozide. Cookson JC, et al. **Br J Psychiatry** 1982 Mar;140:274–9

Neuroendocrine tests during treatment with neuroleptic drugs. III. Plasma growth hormone and prolactin responses to apomorphine. Kolakowska T, et al. **Br J Psychiatry** 1981 Nov;139:408–12

Stimulatory role for medial preoptic/anterior hypothalamic area neurones in growth hormone and prolactin secretion. A kainic acid study. Day TA, et al. **Brain Res** 1982 Apr 22;238(1):55–63

Acetylcholine (Ach) induced alterations of plasma growth hormone (GH) in normal and pimozide-treated ovariectomized rats. Vijayan E, et al. **Brain Res Bull** 1981 Jul;7(1):11–5

Pituitary responses to a neuroactive tripeptide (TRH) in Friedreich's ataxia families. Tolis G, et al. **Can J Neurol Sci** 1982 May;9(2):189–90

Effect of phenobarbital on sleep and nighttime plasma growth hormone and cortisol levels. Prinz PN, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1139–45

Rise in plasma growth hormone in response to exogenous LRH in Klinefelter's syndrome. Dickerman Z, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):403–10

Effect of a long-acting octapeptide analogue of somatostatin on growth hormone and pancreatic and gastrointestinal hormones in man. Barnes AJ, et al. **Clin Sci** 1981 Nov; 61(5):653–6

The significance of biological factors in the diagnosis of depressions: II hormonal variables. van Praag HM. **Compr Psychiatry** 1982 May–Jun;23(3):216–26

Further studies on pituitary and ovarian function in women receiving hormonal contraception. Cohen BL, et al. **Contraception** 1981 Aug;24(2):159–72

Activation of platelet in vivo function and plasma levels of catecholamines and growth hormone during bicycle exercise in juvenile diabetes and healthy individuals. Schernthaner G, et al. **Curr Probl Clin Biochem** 1982; 11:69–83

Insulin absorption from the abdomen and the thigh in healthy subjects during rest and exercise: blood glucose, plasma insulin, growth hormone, adrenaline and noradrenaline levels. Süsstrunk H, et al. **Diabetologia** 1982 Mar; 22(3):171–4

The biological half-life of human growth hormone and a biologically active 20,000-dalton variant in mouse blood. Sigel MB, et al. **Endocr Res Commun** 1982;9(1):67–77

Thyroliberin (TRH) induced growth hormone (GH) release: test of maturation of hypothalamo-pituitary axis in postnatal rat. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):245–9

The assessment of GH reserve in normal and pituitary dwarfed children by L-proline loading in high dosage (500 mg/kg). Popa M, et al. **Endocrinologie** 1982 Jan–Mar; 20(1):37–41

Induction of somatogenic receptors in livers of hypersomatotropic rats. Baxter RC, et al. **Endocrinology** 1982 Sep;111(3):1020–2

Pulsatile somatostatin release from the median eminence of the unanesthetized rat and its relationship to plasma growth hormone levels. Kasting NW, et al. **Endocrinology** 1981 Nov;109(5):1739–45

Dynamic time-course studies of the spontaneously diabetic BB Wistar rat. I. Longitudinal profiles of plasma growth hormone, insulin, and glucose. Tannenbaum GS, et al. **Endocrinology** 1981 Dec;109(6):1872–9

Comparison of four mathematical models for the calculation of radioimmunoassay data of LH, FSH, and GH. Geier T, et al. **Endokrinologie** 1981 Dec;78(2–3):269–80

Oral thyrotropin-releasing hormone (TRH) test in acromegaly. Marek J, et al. **Endokrinologie** 1981 Oct; 78(1):57–66

Long-term treatment of acromegaly with lisuride: differences of effect on growth hormone and somatomedin. Marek J, et al. **Endokrinologie** 1981 Dec;78(2–3):175–85

Biochemical changes in a 100 km run: carbohydrates, lipids, and hormones in serum. Keul J, et al. **Eur J Applied Physiol** 1981;47(2):181–9

Trioxifene mesylate (LY 133314): a new antiestrogen which inhibits growth hormone secretion in the rat. Arafah B, et al. **Eur J Cancer** 1980;Suppl 1:281–5

The effect on plasma prolactin, growth hormone and luteinising hormone concentrations of single oral doses or propranolol and tolamolol in normal man. Saxton CA, et al. **Eur J Clin Pharmacol** 1981;21(2):103–8

Circulating concentrations of growth hormone during growth, maturation, and reproductive cycles in ring doves (Streptopelia risoria). Scanes CG, et al. **Gen Comp Endocrinol** 1981 Nov;45(3):381–5

Prolactin and growth hormone responses to the serotonin antagonist, metergoline, in liver cirrhosis: further evidence for serotoninergic dysfunction. Borzio M, et al. **Horm Metab Res** 1982 May;14(5):277–8

Effect of metoclopramide on serum GH levels in normal women. Chiodera P, et al. **Horm Metab Res** 1982 Feb; 14(2):103–4

Insulin and glucagon binding to hepatocytes in relation to circulating hormones and metabolites in goats maintained on different diets. Gill RD, et al. **Horm Metab Res** 1981 Nov;13(11):603–9

The effect of TRH, cyproheptadine and pimozide on the growth hormone response to intramuscular glucagon. Hainer V, et al. **Horm Metab Res** 1981 Aug;13(8):451–3

Effect of clonidine on growth hormone and glucagon secretion. Lal S, et al. **Horm Metab Res** 1981 Nov; 13(11):648–9

Glucose-induced paradoxical increase in HGH with potentiated decrease in serum potassium in chronic renal failure. Rado JP. **Horm Metab Res** 1982 Feb;14(2):105

Peripheral elimination of growth hormone in chronic liver disease. Bauer AG, et al. **Horm Res** 1982;16(2):126–32

Plasma and pituitary concentration of growth hormone in male and female rats during a 24-hour period. Gonzalez C, et al. **Horm Res** 1981;14(2):130–7

24-Hour studies of prolactin and growth hormone levels in diabetic impotence. Maneschi F, et al. **Horm Res** 1981; 14(2):79–86

Familial dwarfism with high IR-GH: report of two affected sibs with genetic and epidemiologic considerations. Saldanha PH, et al. **Hum Genet** 1981;59(4):367–72

Hormonal profiles in children with progressively worsening nutritional status. Laditan AA. **Hum Nutr Clin Nutr** 1982; 36C(1):81–6

Effects of a met-enkephalin analog on adrenocorticotropin (ACTH), growth hormone, and prolactin in patients with ACTH hypersecretion. Allolio B, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):1–7

Nonspecific growth hormone responses to thyrotropin-releasing hormone in insulin-dependent diabetes: sex- and age-related pituitary responsiveness. Ceda GP, et al. **J Clin Endocrinol Metab** 1982 Jul; 55(1):170–4

Effects of cranial radiation on hypothalamic-adenohypophyseal function: abnormal growth hormone secretory dynamics. Chrousos GP, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1135–9

Homologous IM-9 lymphocyte radioreceptor and receptor modulation assays for human serum growth hormone. Gavin JR 3d, et al. **J Clin Endocrinol Metab** 1982 Jul; 55(1):133–9

Growth hormone and somatomedin in insulin-dependent diabetes mellitus. Horner JM, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1148–53

Selective counterregulatory hormone responses after oral glucose in man. Kleinbaum J, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):787–90

The effects of thyrotropin-releasing hormone and luteinizing hormone-releasing hormone on growth hormone release in patients with homozygous beta-thalassaemia. Masala A, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1271–3

Somatostatin sensitivity and growth hormone responses to releasing hormones and bromocryptine in acromegaly. Pieters GF, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):942–8

Response of growth hormone to thyrotropin-releasing hormone during fetal life. Roti E, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1255–7

Somatomedin C in treated acromegaly: poor correlation with growth hormone and clinical response. Stonesifer LD, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):931–4

Chronological profiles of prolactin and growth hormone in lactating cows. Mollett TA, et al. **J Dairy Sci** 1982 Feb; 65(2):211–6

Inhibition of growth hormone release by prostaglandins in immature domestic fowl (Gallus domesticus). Harvey S, et al. **J Endocrinol** 1981 Oct;91(1):69–73

The response of growth hormone and prolactin to oral diazepam in diabetics. Ajlouni K, et al. **J Endocrinol Invest** 1982 May–Jun;5(3):157–9

Effects of synthetic salmon calcitonin administration on gastrin, immunoreactive insulin and growth hormone release after protein meal in uremic patients. Lunetta M, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):185–8

Dose-related effects of gamma-amino beta-hydroxy butyric acid (GABOB) infusion on growth hormone secretion in normal women. Melis GB, et al. **J Endocrinol Invest** 1982 Mar–Apr;5(2):101–6

Effect of age and obesity on fasting levels of glucose, insulin, glucagon, and growth hormone in man. Elahi D, et al. **J Gerontol** 1982 Jul;37(4):485–91

Effect of temperature on the radioiodination of human growth hormone. Mohammed-Ali SA, et al. **J Immunoassay** 1981;2(3–4):175–86

Effect of domperidone on apomorphine-induced growth hormone secretion in normal men. Lal S, et al. **J Neural Transm** 1982;54(1–2):75–84

Hypothalamic-pituitary dopaminergic function in hepatic failure in man. Lal S, et al. **J Neural Transm** 1982;53(1):7–21

Growth hormone and prolactin stimulation by Madopar in Parkinson's disease. Martinez-Campos A, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1116–23

Growth hormone response to psychological stress after a glucose load and its genetic determination in men with coronary heart disease. Adamson U, et al. **J Psychosom Res** 1981;25(6):573–8

Hormonal responses to hypoglycemia in orthostatic hypotension patients with adrenergic insufficiency. Polinsky RJ, et al. **Life Sci** 1981 Jul 27;29(4):417–25

The effect of beta-endorphin on arginine-induced growth hormone and prolactin release. Reid RL, et al. **Life Sci** 1981 Dec 21;29(25):2641–7

Inhibitory effects of substance P on the

gamma-amino-butyric acid and gamma-hydroxybutyric acid-induced growth hormone and prolactin release in male rats. Takahara J, et al. **Life Sci** 1981 Sep 21; 29(12):1229–31

Effects of thyroliberin (TRH), bromocriptine and cyproheptadine on somatotropin secretion in acromegaly. Pawlikowski M, et al. **Mater Med Pol** 1980 Jan–Jun; 12(1–2):70–3

Variations in plasma glucose, insulin, growth hormone and catecholamines in response to insulin in trained and non-trained subjects. LeBlanc J, et al. **Metabolism** 1982 May;31(5):453–6

Suppression of prolactin and growth hormone responses to 2-deoxy-D-glucose-induced glucoprivation by mazindol in humans. Thompson DA, et al. **Metabolism** 1981 Oct; 30(10):1015–20

Normal-variant short stature [letter] **N Engl J Med** 1981 Nov 5;305(19):1153–4

Acromegaly and thyrotoxicosis induced by a GH- and TSH-producing pituitary tumour which also contained prolactin. Meinders AE, et al. **Neth J Med** 1981; 24(4):136–44

Relationship between sleep stage IV deficit and reversible HGH deficiency in psychosocial dwarfism. Guilhaume A, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):299–303

Psychopharmacology of attention deficit disorder: pharmacokinetic, neuroendocrine, and behavioral measures following acute and chronic treatment with methylphenidate. Shaywitz SE, et al. **Pediatrics** 1982 Jun; 69(6):688–94

Failure of different neuropharmacologic manipulations to trigger a paradoxical rise of growth hormone after glucose administration in the dog. Betti R, et al. **Pharmacol Res Commun** 1981 Sep;13(8):743–53

Changes in a somatomedin-like factor and immunoassayable growth hormone during growth of normal and dwarf pullets and cockerels. Hoshino S, et al. **Poult Sci** 1982 Apr; 61(4):777–84

Effects of dietary carbohydrate on fasting levels of human growth hormone and cortisol. Gardner LB, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):36–40

Effects of dietary protein restriction on circulating concentrations of growth hormone in growing domestic fowl (Gallus domesticus). Scanes CG, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):334–7

Blood plasma levels of cortisol, insulin, growth hormone and somatomedin in children with marasmus, kwashiorkor, and intermediate forms of protein-energy malnutrition. Smith IF, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):607–11

Grow.h hormone response to clonidine as a probe of noradrenergic receptor responsiveness in affective disorder patients and controls. Siever LJ, et al. **Psychiatry Res** 1982 Apr;6(2):171–83

(Des-tyrosine1)-gamma-endorphin in schizophrenia: clinical, biochemical, and hormonal aspects. Verhoeven WM, et al. **Psychiatry Res** 1981 Dec;5(3):293–309

Parallel changes of the responses of thyrotropin, growth hormone and prolactin to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C, et al. **Psychoneuroendocrinology** 1981;6(3):253–9

Electroconvulsive therapy (ECT) increases plasma growth hormone, prolactin, luteinising hormone and follicle-stimulating hormone but not thyrotropin or substance P. Skrabanek P, et al. **Psychoneuroendocrinology** 1981;6(3):261–7

The effect of repeated electroconvulsive shocks on growth hormone secretion and growth hormone responses to clonidine in the intact rat. Steiner JA, et al. **Psychopharmacology (Berlin)** 1982;76(1):98–100

The acromegaly syndrome. Relation between clinical features, growth hormone values and radiological characteristics of the pituitary tumours. Jadresic A, et al. **Q J Med** 1982 Spring;51(202):189–204

[Diagnostic value of hGH glucose suppression test in acromegaly (author's transl)] Deng JY. **Chung Hua Nei Ko Tsa Chih** 1981 Aug;20(8):467–70 **(Chi)**

[Growth hormone secretion in relation to changes in thyrotropic hormone after thyroliberin in patients with acromegaly and dopaminergic stimulation (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):489–93 (Eng. Abstr.) **(Cze)**

[Post-therapeutic hormonal surveillance of somatotropic adenoma] Schaison G. **Ann Med Interne (Paris)** 1982; 133(1):38–41 **(Fre)**

[Nycterohemeral variations in plasma growth hormone (GH) levels and sleep apnea syndromes: their relationship with obesity (author's transl)] Kurtz D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):366–75 (Eng. Abstr.) **(Fre)**

[Effect of muscular exercise and metabolic control on cortisol, growth hormone, plasma-epinephrine and plasma-norepinephrine in type-I diabetics [author's transl)] Mühlhauser I, et al. **Acta Med Austriaca** 1981;8(2):48–53 (Eng. Abstr.) **(Ger)**

[Effects of carbamazepine on EEG. Neuroendocrinological and psychometric examinations (author's transl)] Clarenbach P, et al. **Arch Psychiatr Nervenkr** 1981; 230(3):197–207 (Eng. Abstr.) **(Ger)**

[The clinical significance of the human growth hormone] von Werder K. **MMW** 1981 Sep 18;123(38):1400–2 **(Ger)**

[Growth hormone levels in rat serum in zinc deficiency] Roth HP, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982; 47(4):197–200 **(Ger)**

[GH after baclofen and diazepam] Carletti P, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2351–4 (Eng. Abstr.) **(Ita)**

[Behavior of basal values and circadian rhythm of ACTH, cortisol, PRL and GH in a high-protein diet] Sellini M, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):963–9 (Eng. Abstr.) **(Ita)**

[Active chronic hepatitis and insulin resistance: possible role of glucagon, GH and free fatty acids] Bonora E, et al. **G Clin Med** 1981 Dec;62(12):831–45 (105 ref.) (Eng. Abstr.) **(Ita)**

[Thyrotropin, prolactin, and growth-hormone responses to thyrotropin-releasing hormone in healthy subjects over eighty years (author's transl)] Shigemasa C, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):403–9 (Eng. Abstr.) **(Jpn)**

[Secretion and Sex differences in cord serum growth hormone levels of the human fetus (author's transl)] Fukaya T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):491–6 (Eng. Abstr.) **(Jpn)**

[The inhibitory effect of sulpiride on arginine-stimulated serum gastrin and growth hormone in normal subjects and peptic ulcer patients (author's transl)] Nakayasu A. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1363–9 (Eng. Abstr.) **(Jpn)**

[Endocrinological studies on growth retardation in children with juvenile rheumatoid arthritis (author's transl)] Takami M, et al. **Ryumachi** 1982 Feb;22(1):14–9 (Eng. Abstr.) **(Jpn)**

[Use of paper discs in radioimmunoassays] Grodecka B. **Endokrynol Pol** 1981 Mar–Apr;32(2):171–83 (Eng. Abstr.) **(Pol)**

[Effect of a single dose of dihydroergotoxine on the growth hormone level in acromegaly] Kołodziej-Maciejewska H. **Endokrynol Pol** 1981 Jul–Aug;32(4):309–14 (Eng. Abstr.) **(Pol)**

[Effect of single doses of indomethacin and aspirin on the serum growth hormone concentration in acromegaly] Pawlikowski M, et al. **Endokrynol Pol** 1981 Jul–Aug; 32(4):315–8 (Eng. Abstr.) **(Pol)**

[Dynamics of the insulin, somatotropic hormone, glucose and free fatty acid content in the blood during a direct myocardial revascularization operation under neuroleptanalgesia] Téésalu RV, et al. **Kardiologiia** 1981 Nov;21(11):97–100 (Eng. Abstr.) **(Rus)**

[Clinical importance of increased levels of the growth hormone in kidney diseases] Kozhevnikov AD, et al. **Klin Med (Mosk)** 1980 Jul;58(7):108–12 (Eng. Abstr.) **(Rus)**

[Somatotropin and corticotropin content of the blood in children and adolescents with diabetes mellitus] Lapchenko LN, et al. **Pediatriia** 1981 Oct;(10):17–9 (Eng. Abstr.) **(Rus)**

[Hormone content of the blood in Ménière's disease and cochleovestibulopathy] Buianovskaia OA, et al. **Vestn Otorinolaringol** 1982 May–Jun;(3):40–4 (Eng. Abstr.) **(Rus)**

[Low-energy diet and its effect on hormone regulation in obese individuals. Somatotropic hormone secretion (author's transl)] Beño I, et al. **Cas Lek Cesk** 1981 Dec 3;120(48):1428–31 (Eng. Abstr.) **(Slo)**

[Oral clonidine test for growth hormone release (author's transl)] Moreno Romero F, et al. **An Esp Pediatr** 1981 Apr; 14(4):254–8 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Studies on the accessibility of prolactin and growth hormone to brain: effect of opiate agonists on hormone levels in serial, simultaneous plasma and cerebrospinal fluid samples in the rhesus monkey. Belchetz PE, et al. **Brain Res** 1982 May 6;239(1):310–4

CHEMICAL SYNTHESIS

Human somatotropin: semisynthesis of the hormone by noncovalent interaction of the natural NH2-terminal fragment with a synthetic analog of the COOH-terminal fragment. Li CH, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):338–45

Synthesis and properties of human growth hormone fragments. Peña C, et al. **Int J Pept Protein Res** 1981 Sep; 18(3):289–96

DEFICIENCY

Isolated growth hormone deficiency, ovarian dysgenesis and Turner stigmata with normal chromosomal complement. McNeil LW, et al. **Acta Endocrinol (Copenh)** 1981 Sep; 98(1):95–8

Determination of thymidine incorporation activity in the sera from patients with short stature. Nakazawa T, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):352–7

Transient impairment or delay of urinary trihydroxypregnanone (THS) response to metyrapone in boys with delayed adolescence and in patients with isolated growth hormone deficiency. Zachmann M, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):166–73

Effect of growth hormone on hair, serum, and urine zinc in growth hormone-deficient children. Cheruvanky T, et al. **Am J Clin Nutr** 1982 Apr;35(4):668–70

Benign Duchenne muscular dystrophy in a patient with growth hormone deficiency [letter] Zatz M, et al. **Am J Med Genet** 1981;10(3):301–4

Differences in physical characteristics, perinatal histories, and social backgrounds between children with growth hormone deficiency and constitutional short stature. Vimpani GV, et al. **Arch Dis Child** 1981 Dec;56(12):922–8

Diagnosis and treatment of children with growth hormone deficiency. Preece MA. **Clin Endocrinol Metab** 1982 Mar; 11(1):1–24 (86 ref.)

The effect of puberty and short-term oral administration of testosterone undecanoate on GH tests and sex-steroid related plasma compounds in GH deficient patients. Drop SL, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):375–81

Familial isolated growth hormone deficiency. van Gelderen HH, et al. **Clin Genet** 1981 Aug;20(2):173–5

Final height and pubertal development in 55 children with idiopathic growth hormone deficiency, treated for between 2 and 15 years with human growth hormone. Burns EC, et al. **Eur J Pediatr** 1981 Oct;137(2):155–64

Plasma somatomedin-C as a screening test for growth hormone deficiency in children and adolescents. Moore DC, et al. **Horm Res** 1982 Jan–Feb;16(1):49–55

Testicular responsiveness to human chorionic gonadotrophin in growth hormone deficient pre-pubertal boys: lack of effect of replacement therapy. Zipf WB, et al. **Int J Androl** 1982 Apr;5(2):185–90

The effects on mineral metabolism of overnight growth hormone infusion in growth hormone deficiency. Gertner JM, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):818–22

Insulin-like growth factor in pregnancy: studies in a growth hormone-deficient dwarf. Merimee TJ, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1101–3

Subnormal gonadotropin responses to gonadotropin-releasing hormone persist into puberty in children with isolated growth hormone deficiency. Sauder SE, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1186–92

Genetic analysis of familial isolated growth hormone deficiency type I. Phillips JA 3d, et al. **J Clin Invest** 1982 Sep;70(3):489–95

Usefulness of standard deviation score (SDS) for height as a screening test of growth hormone deficiency. Tuchinda C. **J Med Assoc Thai** 1982 Mar;65(3):146–50

Familial isolated growth hormone deficiency. Vichayanrat A, et al. **J Med Assoc Thai** 1981 Oct;64(10):519–26

The levodopa-propranolol test for growth hormone screening [letter] Itami RM, et al. **J Pediatr** 1982 May; 100(5):838

Oral clonidine-an effective growth hormone-releasing agent in prepubertal subjects. Lanes R, et al. **J Pediatr** 1982 May; 100(5):710–4

Coronary heart disease and short stature [letter] Jenkins LR. **Lancet** 1981 Sep 19;2(8247):639

Molecular basis of growth hormone deficiency [news] Wallis M. **Nature** 1982 Mar 11;296(5853):112–3

Compensatory renal growth in the mouse. II. The effect of growth hormone deficiency. Hutson JM, et al. **Pediatr Res** 1981 Oct;15(10):1375–80

Molecular basis for familial isolated growth hormone deficiency. Phillips JA 3d, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6372–5

[Functional diagnosis of growth disorders due to growth hormone deficiency and other causes] Mićić JV, et al. **Srp Arh Celok Lek** 1981 May–Jun;109(5–6):693–708 (Eng. Abstr.) **(Scc)**

[Idiopathic primary empty sella turcica associated with hyperprolactinemia and a deficit of hypophyseal reserves of HGH. Report of a case] Vergara De Campos A, et al. **Rev Clin Esp** 1981 Nov 30;163(4):273–5 **(Spa)**

DIAGNOSTIC USE

Kidney function and size in type 1 (insulin-dependent) diabetic patients before and during growth hormone administration for one week. Christiansen JS, et al. **Diabetologia** 1982 May;22(5):333–7

GENETICS

Chromosomal localization of the human placental lactogen-growth hormone gene cluster to 17q22-24. Harper ME, et al. **Am J Hum Genet** 1982 Mar;34(2):227–34

Bacteria-derived human growth hormone lacks lipolytic activity in rat adipose tissue. Frigeri LG, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1041–6

Expression of a cloned bovine growth hormone gene in Escherichia coli minicells. Rosner A, et al. **Can J Biochem** 1982 May;60(5):521–4

Structural analysis of rodent growth hormone genes: application to genetic forms of hypopituitarism. Parks JS, et al. **Endocrinology** 1982 May;110(5):1672–5

Ontogeny of growth hormone and prolactin gene expression in mice. Slabaugh MB, et al. **Endocrinology** 1982 May; 110(5):1489–97

Somatomedin generating activity of the 20,000-dalton variant of human growth hormone. Spencer EM, et al. **Endocrinology** 1981 Oct;109(4):1301–2

Binding of a variant of human growth hormone to liver plasma membranes. Wohnlich L, et al. **Horm Metab Res** 1982 Mar;14(3):138–41

Linkage arrangement of human placental lactogen and growth hormone genes. Kidd VJ, et al. **J Biol Chem** 1982 Sep 25;257(18):10673–80

Somatic cell hybridization of growth hormone-producing rat pituitary cells and mouse fibroblasts results in extinction of growth hormone expression via a defect in growth hormone RNA production. Strobl JS, et al. **J Biol Chem** 1982 Jun 10;257(11):6588–94

Genetic analysis of familial isolated growth hormone deficiency type I. Phillips JA 3d, et al. **J Clin Invest** 1982 Sep;70(3):489–95

Analysis of growth hormone genes in mice with genetic defects of growth hormone expression. Phillips JA 3d, et al. **J Endocrinol** 1982 Mar;92(3):405–7

Chromosome structure and DNA sequence alterations associated with mutation of transformed genes. Robins DM, et al. **J Mol Appl Gen** 1981;1(3):191–203

Purified human growth hormone from E. coli is biologically active. Olson KC, et al. **Nature** 1981 Oct 1; 293(5831):408–11

Human growth hormone DNA sequence and mRNA structure: possible alternative splicing. DeNoto FM, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3719–30

Relative levels of methylation in human growth hormone and chorionic somatomammotropin genes in expressing and non-expressing tissues. Hjelle BL, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3459–74

DNA sequence of the rat growth hormone gene: location of the 5' terminus of the growth hormone mRNA and identification of an internal transposon-like element. Page GS, et al. **Nucleic Acids Res** 1981 May 11;9(9):2087–104

Primary structure and evolution of rat growth hormone gene. Barta A, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4867–71

Introduction of rat growth hormone gene into mouse fibroblasts via a retroviral DNA vector: expression and regulation. Doehmer J, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2268–72

Expression of two human growth hormone genes in monkey cells infected by simian virus 40 recombinants. Pavlakis GN, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7398–402

IMMUNOLOGY

Human, bovine, and equine growth hormone antibodies in patients treated with human growth hormone. Poskus E, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):13–7

A relevant antigenic site in human growth hormone localized in sequence 98–128. Peña C, et al. **Mol Immunol** 1980 Dec; 17(12):1487–91

ISOLATION & PURIFICATION

The amino acid composition of secreted mouse prolactin, growth hormone, and hamster prolactin: the presence of one tryptophan in mouse prolactin. Colosi P, et al. **Arch Biochem Biophys** 1981 Dec;212(2):759–61

Isolation and somatomedin activity of bovine growth hormone fragment 87–124. Liberti JP. **Biochim Biophys Acta** 1981 Jul;675(2):239–47

Studies of a human growth hormone preparation used for clinical treatment in Great Britain. Stein J, et al. **J Endocrinol** 1982 Aug;94(2):203–10

Immunochemical determination of pituitary growth hormone separated by polyacrylamide disc gel electrophoresis in normal and dwarf chickens. Hoshino S, et al. **Poult Sci** 1982 Apr;61(4):813–5

Procedure for isolation of the 20,000-dalton variant of human growth hormone. Singh RN, et al. **Prep Biochem** 1981; 11(5):559–570

METABOLISM

Identification of prolactin and growth hormone cells in the pars distalis of the California leaf-nosed bat, Macrotus californicus. Richardson BA. **Am J Anat** 1981 Aug; 161(4):427–40

Amino acids enhance renal tubular absorption of the los-molecular-weight proteins insulin and growth hormone. Rabkin R, et al. **Am J Physiol** 1982 Jun; 242(6):F745–9

Glycosylation of cell surface receptors: tunicamycin treatment decreases insulin and growth hormone binding to different levels in cultured lymphocytes. Keefer LM, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):22–9

Recombinant DNA-derived methionyl human growth hormone is similar in membrane binding properties to human pituitary growth hormone. Rosenfeld RG, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):202–9

Characterization of human somatotropin binding to detergent-solubilized lactogenic receptors from rat liver. Bonifacino JS, et al. **Biochem J** 1981 Feb 15;194(2):385–94

An investigation of sites that bind human somatotropin (growth hormone) in the liver of the pregnant rabbit. Cadman HF, et al. **Biochem J** 1981 Sep 15;198(3):605–14

Human somatotropin binding to rabbit kidney microsomal fraction. Roguin LP, et al. **Biochem J** 1981 Nov 15; 200(2):257–64

Properties of human growth hormone binding sites solubilized from female rabbit kidney. Roguin LP, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):222–9

A neuroendocrine approach to benzodiazepine tolerance and dependence. Petursson H, et al. **Br J Clin Pharmacol** 1981 May;11(5):526–8

Growth hormone (GH) immunoreactivity in the rodent and primate CNS: distribution, characterization and presence posthypophysectomy. Hojvat S, et al. **Brain Res** 1982 May 13;239(2):543–57

Effect of iodination on human growth hormone and prolactin: characterized by bioassay, radioimmunoassay, radioreceptor assay, and electrophoresis. Hughes JP, et al. **Endocrinology** 1982 Sep;111(3):827–32

Fate of injected human growth hormone in the female rat liver in vivo. Postel-Vinay MC, et al. **Endocrinology** 1982 Jul;111(1):244–51

Recombination of fragments of human growth hormone: altered activity profile of the recombinant molecule. Reagan CR, et al. **Endocrinology** 1981 Nov;109(5):1663–71

The same region of human growth hormone is involved in its binding to various receptors. Retegui LA, et al. **Endocrinology** 1982 Aug;111(2):668–76

Regulation of proteins by thyroid hormone and glucocorticoid: the responses of hepatic alpha 2U-globulin and pituitary growth hormone differ in adult male hypothyroid rats. Shapiro LE, et al. **Endocrinology** 1982 Aug;111(2):653–60

Effects of cardioselective and non-cardioselective beta-blockade on adrenaline-induced metabolic and cardiovascular responses in man. Raptis S, et al. **Eur J Clin Pharmacol** 1981;20(1):17–22

The effects of monoclonal antibodies against human growth hormone on hormone—receptor interactions. Cadman HF, et al. **FEBS Lett** 1982 Jan 11;137(1):149–52

Growth hormone and prolactin binding to rabbit liver plasma membranes. Fix JA, et al. **Horm Metab Res** 1981 Sep; 13(9):510–15

Comparison of human growth hormone binding to rat liver plasma and Golgi membranes. Moore WV, et al. **Horm Metab Res** 1981 Nov;13(11):621–6

Human somatotropin. Noncovalent interaction of two thrombin fragments restores receptor-binding activity. Gráf L, et al. **Int J Pept Protein Res** 1981 Oct;18(4):409–12

Metabolic actions of growth hormone in pigs. Anderson LL, et al. **J Anim Sci** 1981 Aug;53(2):363–70

Human somatotropin. Selective removal with trypsin of residues 135–145 from the hormone molecule with no loss of biological activities. Gráf L, et al. **J Biol Chem** 1982 Mar 10;257(5):2365–9

Effect of vasoactive intestinal polypeptide on growth hormone secretion in perifused acromegalic pituitary adenoma tissues. Chihara K, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):773–9

Selective growth hormone and cyclic AMP stimulating activity is present in human pancreatic islet cell tumor. Cronin MJ, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):381–3

Growth hormone-like material in normal human tissues. Kyle CV, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1138–44

Identification and characterization of growth hormone receptors on isolated rat adipocytes. Herington AC. **J Recept Res** 1981–82;2(4):299–316

Antibodies to prolactin receptors and growth hormone receptors. Drake RG, et al. **Methods Enzymol** 1981;74 Pt C:380–405

Interaction of calcium and somatostatin in the control of prolactin and somatotropin release from a primary culture of rat adenohypophyseal cells. Gudoshnikov VI, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):440–2

Membrane modification differentially affects the binding of the lactogenic hormones human growth hormone and ovine prolactin. Bhattacharya A, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5704–7

Human somatotropin: covalent reconstitution of two polypeptide contiguous fragments with thrombin. Gráf L, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6135–8

Intracellular hormone receptors: evidence for insulin and lactogen receptors in a unique vesicle sedimenting in lysosome fractions of rat liver. Khan MN, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4980–4

The immunocytochemical detection of protein hormones in human prostatic tissues. Sibley PE, et al. **Prostate** 1981; 2(2):175–85

Growth hormone release after acute amitriptyline administration to normal human subjects. Schulz P, et al. **Psychopharmacology (Berlin)** 1982;76(3):299–301

The clinical presentation and biochemical diagnosis of acromegaly and gigantism. Jialal I, et al. **S Afr Med J** 1982 Apr 24;61(17):617–20

[An immunohistochemical attempt to demonstrate growth hormone or growth hormone binding sites in the human brain (author's transl)] Dorn A, et al. **Acta Histochem (Jena)** 1982;70(1):150–2 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Somatomedin activity measured as sulphation factor in culture media from normal human liver and connective tissues explants. Effects of human growth hormone. Schimpff RM, et al. **Acta Endocrinol (Copenh)** 1981 Sep; 98(1):24–8

Glucose transport in adipocytes and its control by growth hormone in vivo. Schoenle E, et al. **Am J Physiol** 1982 Jun;242(6):E368–72

Hormones and liver mitochondria: effects of growth hormone and thyroxine on respiration, fluorescence of 1-anilino-8-naphthalene sulfonate and enzyme activities of complex I and II of submitochondrial particles. Maddaiah VT, et al. **Arch Biochem Biophys** 1981 Sep;210(2):666–77

Selective actions of growth hormone on rat liver estrogen binding proteins. Lucier GW, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):872–9

Growth hormone and rat liver mitochondria: effects on urea cycle enzymes. Palekar AG, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1604–10

Decrease of hepatic mono and oligo adenosine diphosphoribose content and augmentation of [14C]ribose incorporation during induction of growth by bovine growth hormone in hypophysectomized rats. Romaschin AD, et al. **Biochem Biophys Res Commun** 1981 Oct 15; 102(3):952–7

Influence of growth hormone and thyroxine on thermotropic effects of respiration and 1-anilino-8-naphthalene sulfonate fluorescence and on lipid composition of cardiac membranes. Clejan S, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):250–6

Triiodothyronine and growth hormone exert an opposite effect on the binding of growth hormone and insulin by hepatocytes from dwarf mouse. Fouchereau-Peron M, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):445–52

Growth hormone inhibition of tyrosine aminotransferase in primary cultures of rat liver cells. Shires TK, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):170–2

The effect of intravenous growth hormone infusion on cerebrospinal fluid somatostatin levels in the rhesus monkey. Berelowitz M, et al. **Brain Res** 1982 Jun 10; 241(2):355–8

Influence of prolactin and growth hormone on rat mammary tumors induced by N-nitrosomethylurea. Rose DP, et al. **Cancer Res** 1982 Jan;42(1):35–8

The role of growth hormone in alpha 2u globulin synthesis: a reexamination. Lynch KR, et al. **Cell** 1982 Jan;28(1):185–9

Autoradiographic comparison of growth factors: influence of growth hormone and somatomedin B on patterns of proline incorporation. Rudman CG, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):319–24

The effect of growth hormone and thyroxine on adult joint cartilage. Hendricson AS, et al. **Clin Orthop** 1982 Jan-Feb; (162):270–5

Influence of ovine growth hormone on water and NaCl absorption by the rat proximal jejunum and distal ileum. Mainoya JR. **Comp Biochem Physiol [A]** 1982;71(3):477–9

Growth retardation in fetal alcohol syndrome. Unresponsiveness to growth-promoting hormones. Castells S, et al. **Dev Pharmacol Ther** 1981;3(4):232–41

Diabetic macroangiopathy and growth hormone. Ledet T. **Diabetes** 1981;30(Suppl 2):14–7

Growth hormone and metasomatotrophic diabetes: effects on insulin and proinsulin of serum and pancreas in dogs. Pierluissi J, et al. **Diabetologia** 1981 Dec;21(6):558–62

Hyperglycemic activity of the 20,000-dalton variant of human growth hormone. Lewis UJ, et al. **Endocr Res Commun** 1981;8(3):155–64

Effect of growth hormone on the metabolic activity of phagocytes of peripheral blood in pituitary dwarfs and acromegaly. Rovenský J, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):129–34

Effect of bovine growth hormone on development of goat mammary tissue in organ culture. Skarda J, et al. **Endocrinol Exp (Bratisl)** 1982 Mar;16(1):19–31

Effect of hypophysectomy and growth hormone administration on somatostatin and gastrin content in the stomach of rats. Kasanuki J, et al. **Endocrinol Jpn** 1981 Jun;28(3):257–60

Effect of food and GH on the binding of 125I-somatomedin A to the membranes of rat lung and kidney. Takano K, et al. **Endocrinol Jpn** 1981 Oct;28(5):669–75

Induction of testicular gonadotropin-releasing hormone (GnRH) receptors by GnRH: effects of pituitary hormones and relationship to inhibition of testosterone production. Bourne GA, et al. **Endocrinology** 1982 Mar;110(3):727–33

Intraventricularly injected growth hormone stimulates somatostatin release into rat hypophysial portal blood. Chihara K, et al. **Endocrinology** 1981 Dec;109(6):2279–81

Induction of insulin-like responses to growth hormone by stress. Coiro V, et al. **Endocrinology** 1981 Dec; 109(6):2213–9

Effects of growth hormone on adipose tissue of weanling rats. Goodman HM, et al. **Endocrinology** 1981 Dec; 109(6):2046–53

Regulation of cartilage acid hydrolases by growth hormone. Hubbard JR, et al. **Endocrinology** 1982 May;110(5):1483–8

UP-regulation of lactogenic receptors -- an immunological artifact? Hughes JP, et al. **Endocrinology** 1982 Aug; 111(2):702–4

Effects of growth hormone, prolactin, and placental lactogen on insulin content and release, and deoxyribonucleic acid synthesis in cultured pancreatic islets. Nielsen JH. **Endocrinology** 1982 Feb;110(2):600–6

A comparison between the effects of growth hormone on prolactin receptors and estrogen receptors in rat liver. Norstedt G. **Endocrinology** 1982 Jun;110(6):2107–12

Prenatal brain development: effect of maternal growth hormone administration. Study in albino rats. Ginalska-Malinowska M, et al. **Endokrinologie** 1981 Mar; 77(3):341–5

Kidney function and size in normal subjects before and during growth hormone administration for one week. Christiansen JS, et al. **Eur J Clin Invest** 1981 Dec;11(6):487–90

Prolactin and growth hormone do not interfere with the response of mouse testes to hCG in vitro. Bartke A, et

al. **Experientia** 1982 May 15;38(5):632–3
Induction of rabbit casein synthesis in organ culture by tilapia prolactin and growth hormone. Houdebine LM, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):61–5
Does-related effect of growth hormone on thyroidal radioiodine uptake. Ching M. **Horm Res** 1981;14(4):234–42
Effect of various concentrations of prolactin and growth hormone on the magnitude of stimulation of RNA synthesis, casein synthesis and ornithine decarboxylase activity in mouse mammary gland explants. Rillema JA, et al. **Horm Res** 1981;15(2):133–40
Regulation of natural killer activity in vivo. III. Effect of hypophysectomy and growth hormone treatment on the natural killer activity of the mouse spleen cell population. Saxena QB, et al. **Int Arch Allergy Appl Immunol** 1982 Feb; 67(2):169–74
Effects of growth hormone on fatty acid synthesis in sheep adipose tissue. Vernon RG. **Int J Biochem** 1982;14(4):255–8
Modification of lysine 69 reactivity in bovine growth hormone by carbamylation of its N-terminal group. Nowicki C, et al. **Int J Pept Protein Res** 1981 Jul; 18(1):52–60
Pretranslational regulation of alpha 2u-globulin in rat liver by growth hormone. Roy AK, et al. **J Biol Chem** 1982 Jul 10;257(13):7834–8
Both human pituitary growth hormone and recombinant DNA-derived human growth hormone cause insulin resistance at a postreceptor site. Rosenfeld RG, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1033–8
Lack of response of nonsuppressible insulin-like activity to short term administration of human growth hormone in thalassemia major. Werther GA, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):806–9
Effects of bovine growth hormone on the retarded cerebral development induced by neonatal hydrocortisone intoxication. Noguchi T, et al. **J Neurochem** 1982 Jan; 38(1):246–56
Postnatal action of growth and thyroid hormones on the retarded cerebral myelinogenesis of Snell dwarf mice (dw). Noguchi T, et al. **J Neurochem** 1982 Jan;38(1):257–63
Lactational response to exogenous growth hormone and abomasal infusion of a glucose- sodium caseinate mixture in high-yielding dairy cows. Peel CJ, et al. **J Nutr** 1982 Sep;112(9):1770–8
Effect of exogenous growth hormone on lactational performance in high yielding dairy cows. Peel CJ, et al. **J Nutr** 1981 Sep;111(9):1662–71
Growth hormone—dependent growth failure. Frazer T, et al. **J Pediatr** 1982 Jul;101(1):12–5
Low somatomedin-C levels in older men rise in response to growth hormone administration. Johanson AJ, et al. **Johns Hopkins Med J** 1981 Sep;149(3):115–7
Biosynthetic methionyl human growth hormones is biologically active in adult man. Hintz RL, et al. **Lancet** 1982 Jun 5;1(8284):1276–9
Maturation of growth hormone stimulation of kidney ornithine decarboxylase in the rat. Grignolo A, et al. **Life Sci** 1982 Jan 25;30(4):383–90
Sodium potassium dependent ATPase in hypophysectomized rats: response to growth hormone, triiodothyronine, and cortisone. Shimomura Y, et al. **Metabolism** 1982 Mar; 31(3):213–6
Electron microscopic study on the fetal thyroid C cells following fetal hypophyseoprivia with or without TSH and GH therapies in the rat. Eguchi Y, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):27–36
Effect of growth hormone on vitamin A storage and release. **Nutr Rev** 1981 Mar;39(3):139–40
Effect of growth hormone on human drug metabolism: time course and substrate specificity. Redmond GP, et al. **Pediatr Pharmacol (New York)** 1980;1(1):63–70
Growth hormone stimulates longitudinal bone growth directly. Isaksson OG, et al. **Science** 1982 Jun 11; 216(4551):1237–9
[Metabolic actions of growth hormone (GH). Analogies and differences between GH and insulin] Coiro V, et al. **Recenti Prog Med** 1982 Feb;72(2):141–58 (104 ref.) (Eng. Abstr.) **(Ita)**
[Polynucleotide phosphorylase from rat liver: isolation and regulation of its activity by growth hormone] Andrianova LE, et al. **Biokhimiia** 1982 May;47(5):857–63 (Eng. Abstr.) **(Rus)**
[Effect of whale somatotropin and its biologically active fragment on various indicators of carbohydrate metabolism in the rat diaphragm in vitro] Bulatov AA, et al. **Probl Endokrinol (Mosk)** 1981;27(6):63–5 (Eng. Abstr.) **(Rus)**
[Chronic action of the fat-mobilizing fragment of human somatotropin on the fat content of fat depots and the plasma glucose level in rabbits] Keda IuM, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):55–61 (Eng. Abstr.) **(Rus)**
[Action of thyroid hormones and somatotropin on the free radical, iron-sulfur protein and cytochrome P-450 state in the liver] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):69–71 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

TSH, HGH, HPr, and cortisol response to TRH in depressed patients. Ramseier F, et al. **Acta Psychiatr Belg** 1980 Jul-Aug;80(4):399–409
Growth hormone responses to the stimulation of hypothalamic glucoreceptors in diabetic retinopathy. Effects of catecholamine precursors and dopamine antagonists. Schaub C, et al. **Arch Neurol** 1982 May; 39(5):264–9
Acute renal hypertrophy in experimental diabetes: lack of effect of short-term growth hormone administration. Seyer-Hansen K, et al. **Diabetologia** 1981 Oct;21(4):374–5
The neuroendocrine regulation and function of growth hormone and prolactin in the mammalian fetus. Gluckman PD, et al. **Endocr Rev** 1981 Fall;2(4):363–95 (354 ref.)
Hormonal effects on partitioning of nutrients for tissue growth: role of growth hormone and prolactin. Bauman DE, et al. **Fed Proc** 1982 Jul;41(9):2538–44
Growth hormone response to L-dopa in the thinned obese. Laurian L, et al. **Isr J Med Sci** 1982 May;18(5):625–9
Higher excretion of urinary bound amino acids in infants: probably related to protein-anabolic effect of growth hormone. Arakawa T, et al. **Tohoku J Exp Med** 1982 May; 137(1):1–10
[Adolescent's coxa vara—an attempt towards an etiological view and the possible explanation of endocrine effects (author's transl)] Rubín A, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):496–9 (Eng. Abstr.) **(Cze)**
[Pituitary hormones in the regulation of carbohydrate metabolism] Demura H, et al. **Nippon Rinsho** 1982 Feb; 40(2):315–20 **(Jpn)**
[Secretion and mechanism of action of the growth hormone] Djurić DS. **Srp Arh Celok Lek** 1981 May-Jun; 109(5–6):677–91 (39 ref.) (Eng. Abstr.) **(Scc)**

RADIATION EFFECTS

Gamma irradiation effects on human growth hormone producing pituitary adenoma tissue. An analysis of morphology and hormone secretion in an in vitro model system. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5–6):485–500

SECRETION

Ba2+ affects growth hormone and prolactin secretion as well as cell morphology in rat anterior pituitary cultures. Rappay G, et al. **Acta Biol Acad Sci Hung** 1981; 32(2):137–46
Growth hormone and prolactin secretion by dispersed cell cultures of a normal human pituitary: effects of thyrotrophin releasing hormone, theophylline, somatostatin, and 2-bromo-alpha-ergocryptine. Adams EF, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):345–51
Increase in sleep related GH and Prl secretion after chronic arginine aspartate administration in man. Besset A, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):18–23
Circumstantial evidence for a role of the secretory pattern of growth hormone in control of body growth. Jansson JO, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):24–30
Growth hormone secretion in pubertal and adult subjects. Minuto F, et al. **Acta Endocrinol (Copenh)** 1982 Feb; 99(2):161–5
Progestin receptors in prolactin and growth hormone producing tumours in rats. Naess O, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):25–30
Multiple forms of growth hormone: detection in medium from cultured pituitary adenoma explants. Talamantes F, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):8–13
Insulin tolerance test (ITT) in depressive patients. Berić A, et al. **Acta Med Iugosl** 1982;36(2):123–9
Study on growth hormone and prolactin secretions in myotonic dystrophy. Canal N, et al. **Acta Neurol Belg** 1982 May-Jun;82(3):178–84
Dynamic and chronobiological changes of endocrine indices in myotonic dystrophy. Nappi G, et al. **Acta Neurol Belg** 1982 May-Jun;82(3):168–77
Bromocriptine-induced changes in hormone secretion and cell morphology in growth hormone and prolactin producing pituitary adenomas. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1981 Sep-Oct;92(3–4):343–55
Growth hormone secretion in protein energy malnutrition. Günöz H, et al. **Acta Paediatr Scand** 1981 Jul;70(4):521–6
Physiological role of endorphins in neuroendocrinology. Dupont A, et al. **Acta Physiol Pol** 1981;32 Suppl 23:37–57 (45 ref.)
Circadian patterns of growth hormone, prolactin and corticotrophin secretion in hypothalamic and extra-hypothalamic lesions localized by stereotactic neuro-radiology in humans. Schaub C, et al. **Acta Psychiatr Belg** 1980 Jul-Aug;80(4):376–80
Regulation by catecholamines of spontaneous growth hormone secretion in the baboon. Stewart JK, et al. **Am J Physiol** 1981 Sep;241(3):E196–9
Clonidine or xylazine as provocative tests for growth hormone secretion in the dog. Hampshire J, et al. **Am J Vet Res** 1981 Jun;42(6):1073–6
Suppression of growth hormone secretion in spontaneous canine hyperadrenocorticism and its reversal after treatment. Peterson ME, et al. **Am J Vet Res** 1981 Nov; 42(11):1881–3
Growth of hormone and prolactin secretion by a tumor of the pharyngeal pituitary. Warner BA, et al. **Ann Intern Med** 1982 Jan;96(1):65–6
Comments to the paper by Weber et al., Psoriasis and human growth hormone aetiology and therapy, Arch Dermatol Res (1981) 270: 361 – 365 [letter] Köbberling J, et al. **Arch Dermatol Res** 1981;271(4):463–5
Comparison of the intravenous insulin and oral clonidine tolerance tests for growth hormone secretion. The Health Services Human Growth Hormone Committee. **Arch Dis Child** 1981 Nov;56(11):852–4
Growth hormone, prolactin and FSH release by the tachykinin dodecapeptide kassinin in the rat. Güllner HG, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):4–9
Effects on the secretion of pituitary growth hormone, thyroid stimulating hormone, luteinizing hormone and follicle stimulating hormone in rats rendered hyperprolactinaemic by chronic treatment with oestrogen. Smythe GA, et al. **Aust J Biol Sci** 1981;34(3):321–4
Effects of cardioselective and non-selective beta-adrenoceptor blockade on glycogenolysis, lipolysis and growth hormone secretion. Raptis S. **Br J Clin Pharmacol** 1982;13(Suppl 2):419S–420S
Effect of lesions in the periventricular nucleus of the preoptic-anterior hypothalamus on growth hormone and thyrotropin secretion and brain somatostatin. Critchlow V, et al. **Brain Res** 1981 Oct 19;222(2):267–76
Motilin stimulates growth hormone release in vitro. Samson WK, et al. **Brain Res Bull** 1982 Feb;8(2):117–21
Maturation of hypothalamic-pituitary function in the ovine fetus and neonate. Gluckman PD. **Ciba Found Symp** 1981; 86:5–42
Endocrine effects of domperidone: a peripheral dopamine blocking agent. Brown GM, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):275–82
Comparison between dose-responses of prolactin, thyroid stimulating hormone and growth hormone to two different histamine H-2 receptor antagonists in normal men. Knigge U, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):585–92
Acromegaly: selection parameters and operative results. Weiss MH. **Clin Neurosurg** 1980;27:31–7
Effects of long-lasting sulpiride therapy on growth hormone secretion in mentally disturbed children. Brambilla F, et al. **Clin Ther** 1981;4(2):95–102
Effects of hypophysectomy and growth hormone on cultured islets of Langerhans of the rat. Pierluissi J, et al. **Diabetologia** 1982 Feb;22(2):134–7
Impaired GH secretion due to prolonged treatment with cyproterone acetate. Abe K, et al. **Endocrinol Jpn** 1982 Feb;29(1):27–9
Evidence for the involvement of central epinephrine systems in the regulation of luteinizing hormone, prolactin, and growth hormone release in female rats. Crowley WR, et al. **Endocrinology** 1982 Apr;110(4):1102–7
Reciprocal interactions of somatostatin with thyrotropin-releasing hormone and vasoactive intestinal peptide on prolactin and growth hormone secretion in vitro. Enjalbert A, et al. **Endocrinology** 1982 Jul;111(1):42–7
Possible involvement of gamma-aminobutyric acid in growth hormone release induced by a Met5-enkephalin analog in conscious rats. Katakami H, et al. **Endocrinology** 1981 Oct; 109(4):1033–6
Secretion of placental lactogen, growth hormone, and prolactin in late pregnant rats. Klindt J, et al. **Endocrinology** 1981 Nov;109(5):1492–5
Differential effects of pharmacological manipulations of central alpha 1- and alpha 2-adrenergic receptors on the secretion of thyrotropin and growth hormone in male rats. Krulich L, et al. **Endocrinology** 1982 Mar;110(3):796–804
Thiol regulation of protein, growth hormone, and prolactin release from isolated adenohypophysial secretory granules. Lorenson MY, et al. **Endocrinology** 1982 Apr; 110(4):1164–72
Hormone ontogeny in the ovine fetus: XII. The dopaminergic regulation of growth hormone and chorionic somatomammotropin release. Marti-Henneberg C, et al. **Endocrinology** 1981 Nov;109(5):1355–9
Evidence that reduced growth hormone secretion observed in monosodium glutamate-treated rats is the result of a deficiency in growth hormone-releasing factor. Millard WJ, et al. **Endocrinology** 1982 Feb;110(2):540–50
Forebrain structures which mediate the effects of stress on prolactin and growth hormone secretion in the rat. Mioduszewski R, et al. **Endocrinology** 1982 Jun; 110(6):1972–6
Influence of endogenous somatostatin on growth hormone and thyrotropin secretion in neonatal rats. Oliver C, et al. **Endocrinology** 1982 Mar;110(3):1018–22
Serotoninergic control of growth hormone secretion: hypothalamic dopamine, norepinephrine, and serotonin levels and metabolism in three hyposomatotropic rat models and in normal rats. Smythe GA, et al. **Endocrinology** 1982 Feb;110(2):376–83
Bombesin stimulates prolactin and growth hormone release by pituitary cells in culture. Westendorf JM, et al. **Endocrinology** 1982 Feb;110(2):352–8
The value of plasma prolactin levels in the prediction of the responsiveness of growth hormone secretion to bromocriptine and TRH in acromegaly. Lamberts SW, et al. **Eur J Clin Invest** 1982 Apr;12(2):151–5
Hormonal changes induced by a partial opiate antagonist, nalorphine. Evaluation of PRL, GH, TSH, LH, FSH and cortisol secretion. Rolandi E, et al. **Eur J Clin Pharmacol** 1981;21(1):23–5
Potentiation of bovine growth hormone release by an inhibitor of potassium channels. Schofield JG, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):431–4

The response of serum growth hormone to central and peripheral dopaminergic stimuli in normal subjects and in acromegalic patients. Oma H, et al. **Fukuoka Igaku Zasshi** 1982 Mar;73(3):179–88

Immunocytochemical identification of the prolactin- and growth hormone-secreting cells in the teleost pituitary with antisera to tilapia prolactin and growth hormone. Nagahama Y, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):389–95

Nocturnal growth hormone and gonadotrophin secretion in growth retarded children with Crohn's disease. Farthing MJ, et al **Gut** 1981 Nov;22(11):933–8

Paradoxical hypersecretion of growth hormone in patients with endometrial atypical hyperplasia and carcinoma. Effect of hysterectomy. Ayalon D, et al. **Gynecol Obstet Invest** 1982;13(1):9–16

Oral clonidine: an effective provocative test of growth hormone release. Salti R, et al. **Helv Paediatr Acta** 1981; 36(6):527–31

Diazepam test of growth hormone secretion. Kannan V. **Horm Metab Res** 1981 Jul;13(7):390–3

Effects of a Met-enkephalin analogue and naloxone infusion on anterior pituitary hormone secretion in acromegaly. Delitala G, et al. **Horm Res** 1981;15(2):88–98

Histamine agonist and antagonist drugs: interference with CNS control of GH release in rats. Netti C, et al. **Horm Res** 1981;14(3):180–91

Plasma growth hormone, prolactin and thyrotropin secretory patterns in Hereford and Simmental calves. Ohlson DL, et al. **J Anim Sci** 1981 Aug;53(2):371–5

The effect of somatostatin analogs on secretion of growth, pancreatic, and gastrointestinal hormones in man. Adrian TE, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):675–81

Dopaminergic stimulation and inhibition of growth hormone secretion in normal man: studies of the pharmacologic specificity. Bansal SA, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1273–7

Growth hormone production by human pituitary glands in organ culture: evidence for predominant secretion of the single-chain 22,000 molecular weight form (isohormone B). Baumann G, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):611–8

Evidence of dopamine receptors in human growth hormone (GH)-secreting adenomas with concomitant study of dopamine inhibition of GH secretion in a perifusion system. Bression D, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):589–93

Effects of nomifensine on growth hormone and prolactin secretion in normal subjects and in pathological hyperprolactinemia. Dallabonzana D, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1125–8

Acromegaly and Cushing's syndrome associated with a foregut carcinoid tumor. Leveston SA, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):682–9

Comparative study of human fetal, normal adult, and somatotropic adenoma pituitary function in tissue culture. Marcovitz S, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):6–16

Stimulation of growth hormone release by vasoactive intestinal polypeptide from human pituitary adenomas in vitro. Matsushita N, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1297–300

In vitro effect of dopamine on growth hormone (GH) release from human GH-secreting pituitary adenomas. Spada A, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):734–40

Adrenergic and dopaminergic modulation of growth hormone and prolactin secretion in normal and tumor bearing human pituitaries in monolayer culture. Tallo D, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1278–84

Regulation of episodic growth hormone secretion by the central epinephrine system. Studies in the chronically cannulated rat. Terry LC, et al. **J Clin Invest** 1982 Jan; 69(1):104–12

Possible inhibitory influence of gamma-aminobutyric acid on growth hormone secretion in the rat. Fiók J, et al. **J Endocrinol** 1981 Dec;91(3):391–7

Influence of insulin and glucagon on secretion of growth hormone in growing ducks (Anas platyrhynchos). Foltzer C, et al. **J Endocrinol** 1981 Nov;91(2):189–96

A procedure for the purification of somatotrophs isolated from rat anterior pituitary glands using Percoll density gradients. Hall M, et al. **J Endocrinol** 1982 Aug; 94(2):257–66

Neurotransmitter effects on release of prolactin and growth hormone in vitro from pituitary glands of the pigeon, Columba livia. Hall TR. **J Endocrinol** 1982 Feb;92(2):303–8

Lack of episodic growth hormone secretion in rats with anterolateral deafferentation of the medial-basal hypothalamus. Kárteszi M, et al. **J Endocrinol** 1982 Jul; 94(1):77–81

Role of serotonin in the regulation of growth hormone and prolactin secretion in the domestic fowl. Rabii J, et al. **J Endocrinol** 1981 Sep;90(3):355–8

Effects of L-deprenyl on human growth hormone secretion. Koulu M, et al. **J Neural Transm** 1981;51(3–4):223–31

Lack of an effect of melatonin on the basal and L-dopa stimulated growth hormone secretion in men. Weinberg U, et al. **J Neural Transm** 1981;52(1–2):117–21

Transsphenoidal microsurgical removal of growth hormone-secreting pituitary adenomas. A review of 137 cases. Baskin DS, et al. **J Neurosurg** 1982 May;56(5):634–41

Inhibition of growth hormone response in angiomatous lymphoid hamartoma [letter] Van Vliet G, et al. **J Pediatr** 1982 Mar;100(3):509

Inhibition by somatostatin of bovine growth hormone secretion following sodium channel activation. Bicknell RJ, et al. **J Physiol (Lond)** 1981 Jul;316:85–96

Episodic growth hormone secretion in sheep in relation to time of feeding, spontaneous meals and short term fasting. Driver PM, et al. **J Physiol (Lond)** 1981 Aug;317:413–24

Anterior-pituitary adrenal function of gold-treated patients with juvenile rheumatoid arthritis. Chipman JJ, et al. **J Rheumatol** 1982 Jan-Feb;9(1):63–8

Glucose-dependent changes in growth hormone regulation associated with sepsis. Kirkpatrick JR, et al. **J Trauma** 1981 Nov;21(11):925–30

Desipramine and growth hormone secretion [letter] Laakmann G, et al. **Lancet** 1981 Oct 31;2(8253):996

The lack of effect of bupropion HCL (Wellbatrin) on the secretion of growth hormone and prolactin in humans. Laakmann G, et al. **Life Sci** 1982 May 17;30(20):1725–32

Effects of morphine dependence, withdrawal and tolerance on prolactin and growth hormone secretion in the rat. Mioduszewski R, et al. **Life Sci** 1982 Apr 19;30(16):1343–8

Severe insulin-induced hypoglycemia associated with deficiencies in the release of counterregulatory hormones. Boden G, et al. **N Engl J Med** 1981 Nov 12;305(20):1200–5

Pyridoxine (B6) suppresses the rise in prolactin and increases the rise in growth hormone induced by exercise [letter] Moretti C, et al. **N Engl J Med** 1982 Aug 12;307(7):444–5

Involvement of alpha-adrenergic mechanisms in growth hormone release induced by opioid peptides in conscious rats. Katakami H, et al. **Neuroendocrinology** 1981 Sep; 33(3):129–35

Influence of brain histaminergic system on episodic growth hormone secretion in the rat. Netti C, et al. **Neuroendocrinology** 1982;35(1):43–7

L-dopa restores amplitude of growth hormone pulses in old male rats to that observed in young male rats. Sonntag WE, et al. **Neuroendocrinology** 1982 Mar;34(3):163–8

Evidence that the effects of 5-hydroxytryptophan on the secretion of ACTH and growth hormone in dogs are not mediated by central release of serotonin. Zimmermann H, et al. **Neuroendocrinology** 1982 Jan;34(1):27–31

Structural changes in human pituitary tumor after bromocriptine therapy. Rengachary SS, et al. **Neurosurgery** 1982 Feb;10(2):242–51

Abnormal secretion of growth hormone in response to thyrotropin releasing hormone in ring Turner's syndrome. Iba K, et al. **Osaka City Med J** 1980;26(2):125–34

Actions of GIP. Brown JC, et al. **Peptides (Fayetteville)** 1981; 2 Suppl 2:241–5

Effect of feed or water restriction on basal and TRH-stimulated growth hormone secretion in the growing turkey poult. Proudman JA, et al. **Poult Sci** 1981 Mar; 60(3):659–67

The effects of neuroactive peptides on growth hormone release. Schofield JG. **Proc Nutr Soc** 1981 Sep;40(3):365–6

Effects of several sera on prolactin and GH release from rat pituitary cells in vitro. Hanew K, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):284–90

Suppression by naloxone of rise in plasma growth hormone and prolactin induced by sucking. Miki N, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):330–3

Effect of ethanol on spontaneous and stimulated growth hormone secretion. Redmond GP. **Prog Biochem Pharmacol** 1981;18:58–74 (27 ref.)

Insulin tolerance test: human growth hormone response and insulin resistance in primary unipolar depressed, bipolar depressed and control subjects. Koslow SH, et al. **Psychol Med** 1982 Feb;12(1):45–55

Growth hormone and prolactin secretion in adults and hyperactive children: relation to methylphenidate serum levels. Gualtieri CT, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):331–9

Prolactin and growth hormone release by morphine in the rat: different receptor mechanisms. Spiegel K, et al. **Science** 1982 Aug 20;217(4561):745–7

Evidence for endogenous dopaminergic control of GH release in man. Hanew K, et al. **Tohoku J Exp Med** 1981 Sep;135(1):103–8

Adenoma of the human pituitary producing growth hormone and thyrotropin. A histologic, immunocytologic and fine-structural study. Kovacs K, et al. **Virchows Arch [Pathol Anat]** 1982;395(1):59–68

[Recent advances in hormonal detection of pituitary somatotropic adenomas (author's transl)] Turpin G, et al. **Ann Med Interne (Paris)** 1982;133(1):17–22 (Eng. Abstr.) **(Fre)**

[Inhibition of growth-hormone release in man: comparative study between somatostatin-14 and -28 (author's transl)] Pradayrol L, et al. **Gastroenterol Clin Biol** 1982 Feb; 6(2):166–9 (Eng. Abstr.) **(Fre)**

[The value of growth hormone stimulation tests] Schneyer U, et al. **Z Gesamte Inn Med** 1981 Oct 1;36(19):702–4 (Eng. Abstr.) **(Ger)**

[Evaluation of pituitary functional periodicity by harmonic analysis. I) Circadian somatotropin secretion in acromegaly] Murialdo G, et al. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):532–8 (Eng. Abstr.) **(Ita)**

[Correlations between prostaglandins and secretion of insulin, glucagon and somatotropic hormone. Effects of treatment with acetylsalicylic acid] Sportiello V, et al. **Clin Ter** 1981 Aug 15;98(3):299–308 (Eng. Abstr.) **(Ita)**

[Effect of domperidone on GH secretion in normal controls and in cancer patients (author's transl)] Kamijo K, et al. **Horumon To Rinsho** 1981 Nov;29(11):1395–7 **(Jpn)**

[Plasma growth hormone secretion in patients with chronic renal failure (author's transl)] Mori H, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan;23(1):99–107 **(Jpn)**

[The growth hormone and the activity of the central nervous system (author's transl)] Szukalski B, et al. **Psychiatr Pol** 1981 May-Jun;15(3):297–304 (29 ref.) **(Pol)**

[Hormonally active (somatotropin) hypophyseal ganglioneuroma] Nikonov AA. **Arkh Patol** 1981; 43(12):48–52 (Eng. Abstr.) **(Rus)**

[Morphologic and functional disorders which appear at the onset of hyposomatotropism and hypersomatotropism] Djordjević PB, et al. **Srp Arh Celok Lek** 1981 May-Jun; 109(5–6):709–21 **(Scc)**

[Treatment of growth hormone secretion disorders] Manojlović D. **Srp Arh Celok Lek** 1981 May-Jun; 109(5–6):723–9 (Eng. Abstr.) **(Scc)**

[Regulation of growth hormone and prolactin secretion in rats] Jurčovičová J. **Cesk Fysiol** 1982;31(3):207–27 (114 ref.) **(Slo)**

SUPPLY & DISTRIBUTION

Human growth hormone: shortage persists [news] Newmark P. **Nature** 1981 Nov 19;294(5838):200–1

THERAPEUTIC USE

Cellular growth in organs of dwarf mice during treatment with growth hormone, thyroxine and plasma fractions containing somatomedin activity. van Buul-Offers S, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):150–60

A new task for human growth hormone? [editorial] Preece MA. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1145–6

Growth hormone treatment in children with craniopharyngioma: final growth status. Burns EC, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):587–95

The effect of growth hormone on the Leydig cell response to chorionic gonadotrophin in boys with hypopituitarism. Kulin HE, et al. **Clin Endocrinol (Oxf)** 1981 Nov; 15(5):463–72

Longitudinal anthropometric measurements in patients with growth hormone deficiency. Effect of human growth hormone treatment. Sorgo W, et al. **Eur J Pediatr** 1982 Feb;138(1):38–45

Ganglioside and galactolipid accumulation in the progeny of hypothyroid and hypothyroid growth hormone treated pregnant rats. Porterfield SP, et al. **Horm Metab Res** 1982 Apr;14(4):225–6

Kinetics of the somatomedin C/insulin-like growth factor I: response to exogenous growth hormone (GH) in GH-deficient children. Blethen SL, et al. **J Clin Endocrinol Metab** 1982 May;54(5):986–90

A dose-response curve for human growth hormone. Frasier SD, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1213–7

Effects of human growth hormone administration on serum somatomedins, somatomedin carrier proteins, and growth rates in children with growth hormone deficiency. Schalch DS, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):49–55

Growth and somatomedin-C responses to growth hormone in dwarfed children. Hayek A, et al. **J Pediatr** 1981 Dec; 99(6):868–72

Growth hormone in the regulation of hyperlipidemia. Blackett PR, et al. **Metabolism** 1982 Feb;31(2):117–20

Regulation of theophylline metabolism by growth hormone. Redmond GP. **Semin Perinatol** 1981 Oct;5(4):374–7

[Treatment with hGH. Factors influencing response in children with somatotrophic insufficiency (author's transl)] Kurtz F, et al. **Arch Fr Pediatr** 1981 Jun-Jul;38(6):405–9 (Eng. Abstr.) **(Fre)**

[Pituitary dwarfism. Evaluation of our cases] Bartolotta E, et al. **Minerva Med** 1982 May 12;73(20):1421–4 **(Ita)**

[Effect of somatotropin on healing of experimental mandibular fractures in rats] Grabowska SZ. **Rocz Akad Med Bialymstoku** 1980;25:49–74 (46 ref.) (Eng. Abstr.) **(Pol)**

[Effectiveness of a Soviet human somatotropin in treating hypothalamo-hypophyseal nanism] Lashene DG. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):39–43 **(Rus)**

[Effect of somatotropin on chronic circulatory insufficiency] Bondarenko IP. **Ter Arkh** 1982;54(5):126–8 **(Rus)**

[Use of somatotropin in treating chronic circulatory failure] Bondarenko IP, et al. **Vrach Delo** 1982 Jan;(1):41–5 (Eng. Abstr.) **(Rus)**

[Pituitary dwarfism. Our experience with human growth hormone treatment] Sanz Moreno J, et al. **Rev Clin Esp** 1981 Oct 31;163(2):105–10 (Eng. Abstr.) **(Spa)**

URINE

Human urinary insulin-potentiating peptide: immunological evidence for the absence of the human growth hormone amino terminal sequence, Phe-Pro-Thr-Ile-Pro-. Stephenson FA, et al. **Mol Cell Endocrinol** 1981 Aug; 23(2):187–92

SOMATOTROPIN RELEASE INHIBITING HORMONE

The conformational properties of somatostatin. IV. The conformers contributing to the conformation equilibrium of somatostatin in aqueous solution as found by semi-empirical energy calculations and high-resolution NMR experiments. Knappenberg M, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):229–46

Comparative investigations of human and porcine somatotropin. Schleyer M, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):875–81

ADMINISTRATION & DOSAGE

The effect of somatostatin on blood flow through coronary bypass grafts in anesthetized man. Tydén G, et al. **Acta Chir Scand** 1981;147(5):331–3

[The effect of chronic administration of somatostatin on the hemostatic system in the dog (author's transl)] Gabryelewicz A, et al. **Przegl Lek** 1981;38(10):719–21 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

High-field 1H NMR studies of synthetic analogs of somatostatin. Structural features involving aromatic residues in an active eight-membered ring analog. Cutnell JD, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):59–66

Mast cell histamine secretion in response to somatostatin analogues: structural considerations. Theoharides TC, et al. **Eur J Pharmacol** 1981 Jul 17;73(2–3):131–6

Failure of somatostatin to influence experimental tumor cell growth in vivo and in vitro. Lenzhofer R, et al. **Experientia** 1981;37(9):1015–7

Selective processing of the 15 000 Mr prosomatostatin by mouse hypothalamic extracts releases the tetradecapeptide. Morel A, et al. **FEBS Lett** 1981 Dec 28;136(2):316–8

Route of administration as a factor in the selectivity of hormone suppression of a somatostatin analog in rats. Lien EL, et al. **Horm Metab Res** 1981 Dec;13(12):675–8

Characterization, regional distribution, and subcellular distribution of 125I-Tyr1-somatostatin binding sites in rat brain. Epelbaum J, et al. **J Neurochem** 1982 Jun; 38(6):1515–23

A potent cyclic hexapeptide analogue of somatostatin. Veber DF, et al. **Nature** 1981 Jul 2;292(5818):55–8

Cell-free biosynthesis of somatostatin precursors: Evidence for multiple forms of preprosomatostatin. Warren TG, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3729–33

ANALYSIS

Identification of somatostatin in the human placenta. Lee JN, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):601–4

Somatostatin-like immunoreactivity in mid-gut carcinoids. Lundqvist M, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jul;89(4):335–7

Characterization of immunoreactive somatostatin released from rat nervous system in vitro. Sheppard MC, et al. **Biochem J** 1982 Feb 1;201(2):321–8

Ontogeny of somatostatin-containing neuron system of the rat cerebellum including its fiber connections: an experimental and immunohistochemical analysis. Inagaki S, et al. **Brain Res** 1982 Apr;255(4):509–27

Chromatographic behaviour and post-mortem stability of somatostatin in the rat and mouse brain. Lee CM, et al. **Brain Res** 1981 Sep 7;220(1):159–66

Experimental immunohistochemical studies on the amygdalofugal peptidergic (substance P and somatostatin) fibers in the stria terminalis of the rat. Sakanaka M, et al. **Brain Res** 1981 Sep 28;221(2):231–42

Pathways and terminal fields of the cochlearofugal somatostatin tracts of very young rats. Takatsuki K, et al. **Brain Res** 1982 Apr;255(4):613–26

Anterior to posterior variations in the concentration of somatostatin-like immunoreactivity in human basal ganglia. Davies P, et al. **Brain Res Bull** 1981 Oct;7(4):365–8

Distribution of neuropeptides in the dorsal pontine tegmental area of the rat. Matsuzaki T, et al. **Cell Mol Biol** 1981; 27(5):499–508

The endocrine pancreas of Alligator mississippiensis. An immunocytochemical investigation. Buchan AM, et al. **Cell Tissue Res** 1982;224(1):117–28

A comparison of neuropeptide immunocytochemistry in fluid-fixed and freeze-dried brains. Clayton CJ, et al. **Cell Tissue Res** 1981;220(2):223–30

Effect of hypophysectomy and growth hormone administration on somatostatin and gastrin content in the stomach of rats. Kasanuki J, et al. **Endocrinol Jpn** 1981 Jun;28(3):257–60

Immunoreactive somatostatin and beta-endorphin content in the brain of mature rats after neonatal exposure to propylthiouracil. Kato N, et al. **Endocrinology** 1982 Jun; 110(6):1851–5

Multiple forms of immunoreactive somatostatin: comparison of distribution in neural and nonneural tissues and portal plasma of the rat. Patel YC, et al. **Endocrinology** 1981 Dec; 109(6):1943–9

Dynamic time-course studies of the spontaneously diabetic BB Wistar rat. II. Insulin-, glucagon-, and somatostatin-reactive cells in the pancreas. Tannenbaum GS, et al. **Endocrinology** 1981 Dec;109(6):1880–7

The distribution and characterization of somatostatin-like immunoreactivity in epithelial cells, submucosa, and muscle of the rat stomach and intestine. Vinik AI, et al. **Endocrinology** 1981 Dec;109(6):1921–6

Abnormalities of the colonic regulatory peptides in Hirschsprung's disease. Bishop AE, et al. **Histopathology** 1981 Nov;5(6):679–88

Evidence for ascending and descending intraspinal as well as primary sensory somatostatin projections in the rat spinal cord. Stine SM, et al. **J Neurochem** 1982 Apr;38(4):1144–50

Comparative study of G- and D-cell population in the dog stomach. Nomiyama S, et al. **Jpn J Surg** 1981;11(5):346–52

Neuropeptides in sensory neurons. Buck SH, et al. **Life Sci** 1982 May 31;30(22):1857–66 (82 ref.)

Presence of somatostatin-28 like immunoreactivity in the human pancreas. Ito S, et al. **Life Sci** 1982 May 17; 30(20):1707–11

Neuropeptide coexistence in human cortical neurones. Vincent SR, et al. **Nature** 1982 Jul 1;298(5869):65–7

A survey of substance P, somatostatin, and neurotensin levels in aging in the rat and human central nervous system. Buck SH, et al. **Neurobiol Aging** 1981 Winter;2(4):257–64

Postmortem stability of somatostatin-like immunoreactivity in mouse brain under conditions simulating handling of human autopsy material. Davies P, et al. **Neurochem Res** 1981 Jul;6(7):787–91

Discrete distributions of putative cholinergic and somatostatinergic amacrine cell dendrites in chicken retina. Morgan IG, et al. **Neurosci Lett** 1981 Nov 18;27(1):55–60

Somatostatin-like immunoreactivity in the facial, glossopharyngeal and vagal lobes of the carp. Tohyama M, et al. **Neurosci Lett** 1981 Jul 17;24(3):233–6

Neuropeptides in the retina: evidence for differential topographical localization. Eriksen EF, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):153–7

Organizational principles in the peripheral sympathetic nervous system: subdivision by coexisting peptides (somatostatin-, avian pancreatic polypeptide-, and vasoactive intestinal polypeptide-like immunoreactive materials). Lundberg JM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1303–7

Radioimmunoassay for catfish pancreatic somatostatin-22. Oyama H, et al. **Regul Pept** 1982 May;3(5–6):383–96

Central nervous system immunoreactive somatostatin, substance P and metenkephalin concentrations in experimental hepatic encephalopathy in the rat. Miller JL, et al. **S Afr Med J** 1982 Jun 12;61(24):923–5

[Immunocytochemical distribution of somatostatin in the forebrain of two teleosts, the goldfish (Carassius auratus) and Gambusia sp (author's transl)] Kah O, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):519–24 (Eng. Abstr.) **(Fre)**

[Immunocytochemical evidence of somatostatin fibers in the neurohypophysis of the monkey Macacus irus] Girod C, et al. **C R Soc Biol (Paris)** 1981;175(3):347–51 (Eng. Abstr.) **(Fre)**

[Demonstration of peptides immunologically related SRIF, neurophysins and angiotensin in the planarian Dugesia lugubris (Platyhelminths,Turbellaria) (author's transl)] Schilt J, et al. **J Physiol (Paris)** 1981 Mar;77(8):977–8 (Eng. Abstr.) **(Fre)**

[Peptidergic system in the vertebrate retina. I. An immunohistochemical analysis (author's transl)] Fukuda M, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):578–81 (Eng. Abstr.) **(Jpn)**

[Method of determination for gastric mucosal gastrin and somatostatin concentrations in the same sample (author's transl)] Dan A. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2316–22 (Eng. Abstr.) **(Jpn)**

[Studies on gastric mucosal gastrin and somatostatin concentrations in the same sample of duodenal ulcer patients (author's transl)] Dan A. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):122 **(Jpn)**

BIOSYNTHESIS

In vitro messenger ribonucleic acid directed synthesis and processing of an immunologically identified precursor to tetradecapeptide somatostatin from bovine hypothalamus. Ivell R, et al. **Biochemistry** 1982 Mar 16;21(6):1204–8

In vivo biosynthesis of L-[35S]Cys-arginine vasopressin, -oxytocin, and -somatostatin: rapid estimation using reversed phase high pressure liquid chromatography. Franco-Bourland RE, et al. **Endocrinology** 1981 Oct; 109(4):1097–106

Synthesis of one form of pancreatic islet somatostatin predominates. Noe BD. **J Biol Chem** 1981 Sep 25; 256(18):9397–400

BLOOD

Initial fall in peripheral plasma somatostatin-like immunoreactivity levels following feeding in humans indicating a vagal inhibitory control of somatostatin levels. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1981; 113(3):411–3

Effect of intraantral and intrabulbar pH on somatostatin-like immunoreactivity in peripheral venous blood of conscious dogs. The possible function of somatostatin as an inhibitory hormone of gastric acid secretion and its possible identity with bulbogastrone and antral chalone. Uvnäs-Wallensten K, et al. **Acta Physiol Scand** 1981 Apr;111(4):397–408

Fluctuations in basal levels and effects of altered nutrition on plasma somatostatin. Hansen BC, et al. **Am J Physiol** 1982 Sep;243(3):R289–95

Central control of peripheral circulating somatostatin in dogs: effect of 2-deoxyglucose. Ipp E, et al. **Am J Physiol** 1982 Sep;243(3):E213–6

Immunoreactive somatostatin in catecholamine-producing extra-adrenal paraganglioma. Saito H, et al. **Cancer** 1982 Aug 1;50(3):560–5

Kassinin and substance P stimulate somatostatin release in the rat. Güllner HG, et al. **Clin Sci** 1981 Dec;61(6):785–7

Somatostatin-like immunoreactivity in man. Measurement in peripheral plasma. Tronier B, et al. **Diabete Metab** 1982 Mar;8(1):35–40

Evidence for the hormonal status of somatostatin in man. Zyznar ES, et al. **Diabetes** 1981 Oct;30(10):883–6

Origin of peripheral venous hypersomatostatinemia in alloxan-diabetic dogs. Schusdziarra V, et al. **Endocrinology** 1981 Oct;109(4):1107–16

Somatostatin half-life: a case report in one healthy volunteer and a three month follow-up. Bethge N, et al. **Horm Metab Res** 1981 Dec;13(12):709–10

Plasma somatostatin in normal subjects and in various diseases: increased levels in somatostatin-producing tumors. Saito H, et al. **Horm Metab Res** 1982 Feb; 14(2):71–6

Rate dependent stimulation of insulin and glucagon but not gastrin and somatostatin release during the intestinal phase of a meal. Schusdziarra V, et al. **Horm Metab Res** 1982 Apr;14(4):169–71

Extraction of somatostatin from human plasma on octadecylsilyl silica. Vasquez B, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):807–9

Gastrointestinal/pancreatic hormone concentrations in the portal venous system of nine patients with organic hyperinsulinism. Glaser B, et al. **Metabolism** 1981 Oct; 30(10):1001–10

Effect of physiological increments of blood glucose on plasma somatostatin and pancreatic polypeptide levels in dogs. Schusdziarra V, et al. **Regul Pept** 1981 Aug;2(4):211–8

[Somatostatin and neurotensin in duodenal ulcer] Smagin VG, et al. **Ter Arkh** 1982;54(4):108–10 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

The effect of intravenous growth hormone infusion on cerebrospinal fluid somatostatin levels in the rhesus monkey. Berelowitz M, et al. **Brain Res** 1982 Jun 10; 241(2):355–8

Altered neuropeptide concentrations in cerebrospinal fluid of psychiatric patients. Gerner RH, et al. **Brain Res** 1982 Apr 22;238(1):298–302

The diurnal variation of immunoreactive thyrotropin-releasing hormone and somatostatin in the cerebrospinal fluid of the rhesus monkey. Berelowitz M, et al. **Endocrinology** 1981 Dec;109(6):2102–9

Investigation of cerebrospinal fluid neuropeptides in idiopathic senile dementia. Oram JJ, et al. **Gerontology** 1981;27(4):216–23

Temporal patterns of somatostatin immunoreactivity in the cerebrospinal fluid of the rhesus monkey: effect of environmental lighting. Arnold MA, et al. **J Neurosci** 1982 Jun;2(6):674–80

Low cerebrospinal fluid somatostatin in Parkinson disease: an irreversible abnormality. Dupont E, et al. **Neurology (NY)** 1982 Mar;32(3):312–4

CHEMICAL SYNTHESIS

[Total synthesis of somatostatin-28 (author's transl)] Moroder L, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun; 362(6):697–716 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Evaluation of insulin resistance during inhibition of endogenous insulin and glucagon secretion by somatostatin in non-obese subjects with impaired glucose tolerance. Ratzmann KP, et al. **Diabetologia** 1981 Sep;21(3):192–7

Retardant effect of hyperglycemia on the rise in plasma fatty acids following insulin withdrawal in man. Liljenquist JE, et al. **Horm Metab Res** 1981 Oct;13(10):542–5

Somatostatin sensitivity and growth hormone responses to releasing hormones and bromocryptine in acromegaly. Pieters GF, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):942–8

[Somatostatin in a case of nesidioblastosis (author's transl)] Petrus M, et al. **Sem Hop Paris** 1981 Dec 18–25; 57(47–48):2036–8 (Eng. Abstr.) **(Fre)**

[Somatostatin. A new hypotonic agent in digestive tract radiography? Preliminary study] Castagnone D, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):35–40 (Eng. Abstr.) **(Ita)**

[Tolbutamide plus somatostatin test in the diagnosis of insulinomas] Jara Albarrán A, et al. **Rev Clin Esp** 1982 Jan 31;164(2):105–9 (Eng. Abstr.) **(Spa)**

GENETICS

Somatostatin-28 encoded in a cloned cDNA obtained from a rat medullary thyroid carcinoma. Goodman RH, et al. **J Biol Chem** 1982 Feb 10;257(3):1156–9

The structure of cloned DNA complementary to catfish pancreatic somatostatin-14 messenger RNA. Minth CD,

et al. **J Biol Chem** 1982 Sep 10;257(17):10372–7
Sequence analysis of a cDNA coding for a pancreatic precursor to somatostatin. Taylor WL, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6694–8

IMMUNOLOGY

Infusion of somatostatin antiserum in the rat—failure to raise stress induced low gastric acid secretion. Schwille PO, et al. **Horm Metab Res** 1981 Dec;13(12):710–1
[Preparation of antisera against some sequences of somatostatin synthetized on resin. Application to the immunological detection of somatostatin systems: preliminary results (author's transl)] Richoux JP, et al. **J Physiol (Paris)** 1981 Mar;77(8):985–8 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Heterogeneity of somatostatin like immunoreactivity (SLI) in extracts of porcine, canine and human pancreas. Newgard CB, et al. **Acta Endocrinol (Copenh)** 1981 Dec; 98(4):564–72
Light and electron microscopic immunohistochemical localization of somatostatin in the endocrine and exocrine portions of the pancreas of the chick embryo (Gallus domesticus). Kalliecharan R, et al. **Anat Rec** 1982 Mar; 202(3):349–57
Large-molecular-weight somatostatin in human adrenal medullary tissue. Corder R, et al. **Biosci Rep** 1982 Jun; 2(6):397–403
Rapid high-yield purification of neuropeptides from canine intestinal muscle. Reeve J Jr, et al. **J Chromatogr** 1982 Apr 16;229(1):57–65
Isolation and chemical characterization of somatostatin-28 from rat hypothalamus. Böhlen P, et al. **Regul Pept** 1981 Nov;2(6):359–69

METABOLISM

Stress-induced reduction of gastric acid in the rat is not associated with increased tissue somatostatin. Engelhardt W, et al. **Acta Biol Med Ger** 1982;41(2–3):235–9
Rectal carcinoids as tumors of the hindgut endocrine cells: a morphological and immunohistochemical analysis. O'Briain DS, et al. **Am J Surg Pathol** 1982 Mar;6(2):131–42
High affinity binding sites for somatostatin to rat pituitary. Reubi JC, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1538–45
Metabolism of somatostatin and its analogues by the liver. Conlon JM, et al. **Biochim Biophys Acta** 1981 Oct 12; 677(2):234–42
Characterization of the somatostatin-like immunoreactivity extracted from an adrenal medullary tumour. Corder R, et al. **Biosci Rep** 1982 Mar;2(3):147–54
The regional distribution of somatostatin, substance P and neurotensin in human brain. Cooper PE, et al. **Brain Res** 1981 Aug 10;218(1–2):219–32
Effect of lesions in the periventricular nucleus of the preoptic-anterior hypothalamus on growth hormone and thyrotropin secretion and brain somatostatin. Critchlow V, et al. **Brain Res** 1981 Oct 19;222(2):267–76
Topography of median eminence somatostatinergic innervation. Epelbaum J, et al. **Brain Res** 1981 Dec 28; 230(1–2):412–6
Capsaicin applied to peripheral nerve inhibits axoplasmic transport of substance P and somatostatin. Gamse R, et al. **Brain Res** 1982 May 13;239(2):447–62
Regional distribution of somatostatin-like immunoreactivity in the human brain. Geola FL, et al. **Brain Res** 1981 Dec 14;229(1):35–42
Long descending projections from amygdaloid somatostatin-containing cells to the lower brain stem. Kawai Y, et al. **Brain Res** 1982 May 13;239(2):603–7
Selective depletion of somatostatin in rat brain by cysteamine. Palkovits M, et al. **Brain Res** 1982 May 20;240(1):178–80
High molecular weight somatostatin secretion by cultured rat brain cells. Peterfreund RA, et al. **Brain Res** 1982 May 13;239(2):463–77
Effects of neurotransmitters and cyclic AMP on somatostatin release from cultured cerebral cortical cells. Robbins RJ, et al. **Brain Res** 1982 Feb 25;234(2):377–86
Distribution of somatostatin in the mouse brain: effects of neonatal MSG treatment. Romagnano MA, et al. **Brain Res** 1982 Feb 25;234(2):387–98
Immunocytochemical localization of hormone-producing cells within the pancreatic islets of the rainbow trout (Salmo gairdneri). Wagner GF, et al. **Cell Tissue Res** 1981; 221(1):181–92
Somatostatin receptors on rat anterior pituitary membranes. Enjalbert A, et al. **Endocrinology** 1982 May;110(5):1634–40
Reciprocal interactions of somatostatin with thyrotropin-releasing hormone and vasoactive intestinal peptide on prolactin and growth hormone secretion in vitro. Enjalbert A, et al. **Endocrinology** 1982 Jul;111(1):42–7
High somatostatin uptake by the isolated perfused dog pancreas consistent with 'insulo-acinar' axis. Kawai K, et al. **Endocrinology** 1982 Feb;110(2):660–2
Specific high affinity binding sites for somatostatin-28 on pancreatic beta-cells: differences with brain somatostatin receptors. Reubi JC, et al. **Endocrinology** 1982 Mar; 110(3):1049–51
Effects of glucagon, Neurotensin, and vasoactive intestinal polypeptide on somatostatin release from perifused rat hypothalamus. Shimatsu A, et al. **Endocrinology** 1982 Jun; 110(6):2113–7
Somatostatin and vitamin D3 metabolites in rat calvarium: in vitro evidence for physiological interaction. Silve C, et al. **Endocrinology** 1981 Nov;109(5):1454–62
Role of the secretion vesicle in the transport of receptors: modulation of somatostatin binding to pancreatic islets. Sussman KE, et al. **Endocrinology** 1982 Jul;111(1):316–23
Somatostatin in rat tissues is depleted by cysteamine administration. Szabo S, et al. **Endocrinology** 1981 Dec; 109(6):2255–7
Selective processing of the 15 000 Mr prosomatostatin by mouse hypothalamic extracts releases the tetradecapeptide. Morel A, et al. **FEBS Lett** 1981 Dec 28;136(2):316–8
Radioimmunoassay study of hepatic clearance and disappearance half-time of somatostatin and vasoactive intestinal peptide in dogs. Chayvialle JA, et al. **Gut** 1981 Sep;22(9):732–7
Effect of starvation on somatostatin content of pancreas and gastrointestinal tract of the guinea pig. Tanigawa K, et al. **Horm Metab Res** 1982 May;14(5):245–7
Pituitary somatostatin receptors. Characterization by binding with a nondegradable peptide analogue. Aguilera G, et al. **J Biol Chem** 1982 Feb 10;257(3):1134–7
Molecular heterogeneity and biological activity of immunoreactive somatostatin in medullary carcinoma of the thyroid. Saito S, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1117–22
Bombesin, somatostatin and neurotensin-like immunoreactivity in bronchial carcinoma. Wood SM, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1310–2
Hepatic and renal metabolism of somatostatin-like immunoreactivity. Simultaneous assessment in the dog. Polonsky KS, et al. **J Clin Invest** 1981 Nov;68(5):1149–57
Somatostatin: a paracrine contribution to hypothyroidism in Hashimoto's thyroiditis. Dhillon AP, et al. **J Clin Pathol** 1982 Jul;35(7):764–70
Localization of methionine-enkephalin, substance P, and somatostatin immunoreactivities in the main olfactory bulb of the hamster. Davis BJ, et al. **J Comp Neurol** 1982 Feb 1;204(4):377–83
Distribution of somatostatin in the frog brain, Rana catesbiana, in relation to location of catecholamine-containing neuron system. Inagaki S, et al. **J Comp Neurol** 1981 Oct 10;202(1):89–101
Topographic atlas of somatostatin-containing neuron system in the avian brain in relation to catecholamine-containing neuron system. II. Mesencephalon, rhombencephalon, and spinal cord. Shiosaka S, et al. **J Comp Neurol** 1981 Oct 10;202(1):115–24
Ontogeny of somatostatin-containing neuron system of the rat: immunohistochemical observations. I. Lower brainstem. Shiosaka S, et al. **J Comp Neurol** 1981 Dec 1; 203(2):173–88
Topographic atlas of somatostatin-containing neurons system in the avian brain in relation to catecholamine-containing neurons system. I. Telencephalon and diencephalon. Takatsuki K, et al. **J Comp Neurol** 1981 Oct 10; 202(1):103–13
Effect of non-neuronal cells on peptide content of cultured sensory neurones. Mudge AW. **J Exp Biol** 1981 Dec; 95:195–203
Regional distribution of somatostatin-containing neuron system in the lower brain stem of the neonatal rat. Inagaki S, et al. **J Hirnforsch** 1982;23(1):77–85
Phylogenetical development of somatostatin-containing cells in the retina from teleosts to mammals: immunohistochemical analysis. Ishimoto I, et al. **J Hirnforsch** 1982;23(2):127–32
Depletion of somatostatin-like immunoreactivity in the rat central nervous system by cysteamine. Sagar SM, et al. **J Neurosci** 1982 Feb;2(2):225–31
Processing of synthetic somatostatin-28 and a related endogenous rat hypothalamic somatostatin-like molecule by hypothalamic enzymes. Zingg HH, et al. **Life Sci** 1982 Feb 7;30(6):525–33
Receptor binding of somatostatin-28 is tissue specific. Srikant CB, et al. **Nature** 1981 Nov 19;294(5838):259–60
Differential effects of capsaicin on the content of somatostatin, substance P, and neurotensin in the nervous system of the rat. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):140–8
Somatostatin immunoreactive cell bodies in the dorsal horn and the parasympathetic intermediolateral nucleus of the rat spinal cord. Dalsgaard CJ, et al. **Neurosci Lett** 1981 Dec 23;27(3):335–9
Developmental changes in bombesin, substance P, somatostatin and vasoactive intestinal polypeptide in the rat brain. McGregor GP, et al. **Neurosci Lett** 1982 Jan 22; 28(1):21–7
New somatostatin-containing sites in the diencephalon of the neonatal rat. Shiosaka S, et al. **Neurosci Lett** 1981 Aug 7;25(1):69–73
The immunocytochemical localization of somatostatin-containing neurons in the rat central nervous system. Finley JC, et al. **Neuroscience** 1981;6(11):2173–92
Fluoride-resistant acid phosphatase-containing neurones in dorsal root ganglia are separate from those containing substance P or somatostatin. Nagy JI, et al. **Neuroscience** 1982 Jan;7(1):89–97
Somatostatin: localization and distribution in the cortex and the subcortical white matter of human brain. Sørensen KV. **Neuroscience** 1982 May;7(5):1227–32
Coexistence of somatostatin- and avian pancreatic polypeptide (APP)-like immunoreactivity in some forebrain neurons. Vincent SR, et al. **Neuroscience** 1982 Feb;7(2):439–46
Somatostatin in human pancreatic and gastric juice. Arimura A, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:271–4
Regional distributions of somatostatin and cholecystokinin-like immunoreactivities in rat and bovine brain. Barden N, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):299–302
Opiate peptides modulate somatostatin release from dispersed hypothalamic cells. Moldow RL, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):489–92
Central neural peptides and catecholamines in spontaneous and DOCA/salt hypertension. Morris M, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):207–11
Antral gastrin and somatostatin concentrations in peptic ulcer patients. Sumii K, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:281–3
Presence of somatostatin-28-(1-12) in hypothalamus and pancreas. Benoit R, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):917–21
Distribution and metabolism of exogenous somatostatin in the rat. Peters GE. **Regul Pept** 1982 May;3(5–6):361–9
Glucose regulation of arginine-induced pancreatic somatostatin release from the isolated perfused rat pancreas. Seino S, et al. **Regul Pept** 1982 Mar;3(3–4):271–9
[Immunohistochemical evidence of some peptidohormones in the central nervous system of normoglycemic and hyperglycemic rodents (author's transl)] Dorn A, et al. **Z Mikrosk Anat Forsch** 1981;95(3):381–4 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of substance P and somatostatin on choleresis in anesthetized dogs. Magnusson I, et al. **Acta Chir Scand** 1981;147(8):667–71
Effect of bromocriptine, somatostatin, and oestradiol-17 beta on hormone secretion and ultrastructure of human pituitary tumours in vitro. Prysor-Jones RA, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):14–23
Effect of somatostatin infusion on intermediary metabolism and entero-insular hormone release in infants with hyperinsulinaemic hypoglycaemia. Aynsley-Green A, et al. **Acta Paediatr Scand** 1981 Nov;70(6):889–95
Insulin secretion induced by glucose and by stimulation of beta 2 -adrenoceptors in the rat. Different sensitivity to somatostatin. Ahrén B, et al. **Acta Physiol Scand** 1981 Aug; 112(4):421–6
Evidence that substance P is a mediator of antidromic vasodilatation using somatostatin as a release inhibitor. Gazelius B, et al. **Acta Physiol Scand** 1981 Oct;113(2):155–9
Nervous control of pancreatic endocrine secretion in pigs. IV. The effect of somatostatin on the insulin and glucagon responses to electrical vagal stimulation and to intraarterial acetylcholine. Holst JJ, et al. **Acta Physiol Scand** 1981; 113(3):273–8
Effects of somatostatin on intestinal calcium transport in the rat. Favus MJ, et al. **Am J Physiol** 1981 Sep;241(3):G215–21
Somatostatin-14 and -28: clearance and potency on gastric function in dogs. Seal A, et al. **Am J Physiol** 1982 Aug; 243(2):G97–102
The effect of somatostatin and enkephalin on ion transport in the intestine. Dobbins JW, et al. **Ann NY Acad Sci** 1981; 372:594–612
PH-dependent prostaglandin E2 production and somatostatin: modulators of the action of vasopressin in the toad urinary bladder. Forrest JN Jr, et al. **Ann NY Acad Sci** 1981;372:180–93
Effect of somatostatin on determinants of bile flow in unanesthetized dogs. Lewis MH, et al. **Ann Surg** 1982 Jan; 195(1):97–103
Studies on the mechanism of action of somatostatin on renal gluconeogenesis: evidence for the involvement of alpha 1-adrenergic stimuli. Dileepan KN, et al. **Arch Biochem Biophys** 1982 Jan;213(1):169–76
Substance P and somatostatin and excitatory neurotransmission in rabbit urinary bladder. Husted S, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):72–85
Effects of somatostatin and adrenergic blockade on glucagon, insulin and glucose in exercising sheep. Brockman RP, et al. **Aust J Biol Sci** 1981;34(5–6):551–60
Somatostatin-induced phosphorylation of mast cell proteins. Theoharides TC, et al. **Biochem Pharmacol** 1981 Oct 1; 30(19):2735–6
Direct action of somatostatin on dispersed mucosal cells from guinea-pig stomach. Batzri S. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):521–4
The interaction of glucagon, gastric inhibitory peptide and somatostatin with cyclic AMP production systems present in rat gastric glands. Gespach C, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):7–16
Somatostatin is a potent activator of phosphoprotein phosphatases in the digestive tract. Reyl F, et al. **Biochim Biophys Acta** 1981 Jul;675(2):297–300
Neonatal rat spinal cord slice preparation: postsynaptic effects of neuropeptides on dorsal horn neurons. Miletić V, et al. **Brain Res** 1981 Oct;254(3):432–8
The actions of neuropeptides on dorsal horn neurons in the rat spinal cord slice preparation: an intracellular study.

Murase K, et al. **Brain Res** 1982 Feb 18;234(1):170–6
Somatostatin hyperpolarizes hippocampal pyramidal cells in vitro. Pittman QJ, et al. **Brain Res** 1981 Sep 28;221(2):402–8
Somatostatin can locally inhibit proliferation and differentiation of cartilage and bone precursor cells. Weiss RE, et al. **Calcif Tissue Int** 1981;33(4):425–30
Somatostatin inhibits prolactin secretion in the estradiol primed male rat. Cooper GR, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1082–8
Effect of somatostatin on renal water handling in the dog. Mountokalakis T, et al. **Can J Physiol Pharmacol** 1982 May; 60(5):655–64
Influence of somatostatin on plasma cyclic AMP and metabolic substrate responses to i.v. adrenaline and glucagon in humans. Nistrup Madsen S, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):431–7
Effect of a long-acting octapeptide analogue of somatostatin on growth hormone and pancreatic and gastrointestinal hormones in man. Barnes AJ, et al. **Clin Sci** 1981 Nov; 61(5):653–6
Effect of vasopressin and somatostatin on hemodynamics and blood gases in patients with liver cirrhosis. Naeije R, et al. **Crit Care Med** 1982 Sep;10(9):578–82
Glucose disposal is not proportional to plasma glucose level in man. Best JD, et al. **Diabetes** 1981 Oct;30(10):847–50
Glucagon immunoreactivity and antidiabetic action of somatostatin in the totally duodeno-pancreatectomized and gastrectomized human. Bringer J, et al. **Diabetes** 1981 Oct; 30(10):851–6
Somatostatin: mechanism of action in pancreatic islet beta-cells. Pace CS, et al. **Diabetes** 1981 Oct;30(10):836–42
Inhibition by prostaglandin E2, somatostatin and secretin of histamine-sensitive adenylate cyclase in human gastric mucosa. Becker M, et al. **Digestion** 1982;23(3):194–200
Dose-response study of somatostatin on meal-stimulated levels of pancreatic polypeptide and insulin in the dog. Feurle GE, et al. **Digestion** 1982;23(2):119–24
Effects of somatostatin on gastrointestinal propagation and absorption of oral glucose in man. Johansson C, et al. **Digestion** 1981;22(3):126–37
Restitution of blood volume after hemorrhage: inhibition by somatostatin. Byrnes GJ, et al. **Endocrinology** 1982 Jun; 110(6):1945–9
Effects of somatostatin and urotensin II on tilapia pituitary prolactin release and interactions between somatostatin, osmotic pressure Ca++, and adenosine 3',5'-monophosphate in prolactin release in vitro. Grau EG, et al. **Endocrinology** 1982 Mar;110(3):910–5
Somatostatin is an agonist and noncompetitive antagonist of gastrin in oxyntic cell function. Shapiro B, et al. **Endocrinology** 1981 Oct;109(4):1117–21
Somatostatin-28 is longer acting and more selective than somatostatin-14 on pituitary and pancreatic hormone release. Tannenbaum GS, et al. **Endocrinology** 1982 Jul; 111(1):101–7
Stimulation of gastric mucus output by somatostatin in man. Johansson C, et al. **Eur J Clin Invest** 1982 Feb;12(1):37–9
Failure of somatostatin to influence experimental tumor cell growth in vivo and in vitro. Lenzhofer R, et al. **Experientia** 1981;37(9):1015–7
Inhibitory effect of somatostatin on basal and vasoactive intestinal peptide-stimulated cyclic AMP production and cyclic AMP-dependent protein kinase activity in HeLa cells. Prieto JC. **FEBS Lett** 1982 Jul 19;144(1):173–6
Bombesin, somatostatin, and related peptides: actions on thermoregulation. Brown MR. **Fed Proc** 1981 Nov; 40(13):2765–8
Effects of motilin, somatostatin, and pancreatic polypeptide on the migrating myoelectric complex in pig and dog. Bueno L, et al. **Gastroenterology** 1982 Jun;82(6):1395–1402
Somatostatin and the intestinal transport of glucose and other nutrients in the anaesthetised rat. Daumerie C, et al. **Gut** 1982 Feb;23(2):140–5
Inhibition by somatostatin of carbamylcholine-induced gastrin and glucagon release from the isolated perfused canine stomach. Lefebvre PJ, et al. **Gut** 1981 Oct; 22(10):793–7
ACTH response to TRH and somatostatin in Nelson's syndrome. Ambrosi B, et al. **Horm Metab Res** 1982 Mar; 14(3):164
Somatostatin-reduced proliferation of murine aplastic carcinoma conditioned to diabetes. Vuk-Pavlović S, et al. **Int J Cancer** 1982 Jun 15;29(6):683–6
Inhibition of gastric acid secretion by somatostatin: a puzzle? Guslandi M. **Int J Clin Pharmacol Ther Toxicol** 1982 Jul; 20(7):339–42
Effects of cyclic somatostatin on insulin, C-peptide and immunoreactive glucagon response to oral glucose loading in obese patients. Papalia D, et al. **Int J Obes** 1982; 6(1):113–20
The effect of somatostatin analogs on secretion of growth, pancreatic, and gastrointestinal hormones in man. Adrian TE, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):675–81
Inhibitory effect of somatostatin on the aldosterone response to angiotensin II: in vitro studies. Boscaro M, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):173–7
Effect of somatostatin on gastrin, insulin and glucagon secretion in two patients with Zollinger-Ellison syndrome. Fallucca F, et al. **J Endocrinol Invest** 1981 Oct-Dec; 4(4):451–3
Inhibition by somatostatin of bovine growth hormone secretion following sodium channel activation. Bicknell RJ, et al. **J Physiol (Lond)** 1981 Jul;316:85–96
Metabolic interactions of glucagon and cortisol in man--studies with somatostatin. Gill A, et al. **Metabolism** 1982 Apr;31(4):305–11
Metabolic effects of cortisol in man--studies with somatostatin. Johnston DG, et al. **Metabolism** 1982 Apr; 31(4):312–7
Dual action of somatostatin upon peristalsis in the guinea pig isolated ileum. Kromer W, et al. **Neuroendocrinology** 1981 Sep;33(3):136–9
Interaction of calcium and somatostatin in the control of prolactin and somatotropin release from a primary culture of rat adenohypophyseal cells. Gudoshnikov VI, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):440–2
Somatostatin and substance P inhibit catecholamine secretion from isolated cells of guinea-pig adrenal medulla. Role LW, et al. **Neuroscience** 1981;6(9):1813–21
Intrathecal substance P and somatostatin in rats: behaviors indicative of sensation. Seybold VS, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):49–54
Peripherally administered somatostatin reduces feeding by a vagal mediated mechanism. Levine AS, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):897–902
Inhibitory effects of motilin, somatostatin, [Leu]enkephalin, [Met]enkephalin, and taurine on neurons of the lateral vestibular nucleus: interactions with gamma-aminobutyric acid. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3355–9
Effect of somatostatin on intestinal absorption of nutrients the rat. Märki F. **Regul Pept** 1981 Nov;2(6):371–81
Effect of somatostatin on the secretin-induced gastric secretions of pepsin and mucus in cats. Vagne M, et al. **Regul Pept** 1982 Mar;3(3-4):183–91
Central regulation of intestinal motility by somatostatin and cholecystokinin octapeptide. Bueno L, et al. **Science** 1982 Jun 25;216(4553):1427–9
[Effects of somatostatin on gastric emptying, acid secretion and post-prandial gastrin release in the dog (author's transl)] Druart ML, et al. **Gastroenterol Clin Biol** 1981; 5(8-9):719–27 (Eng. Abstr.) **(Fre)**
[Inhibition of growth-hormone release in man: comparative study between somatostatin-14 and -28 (author's transl)] Pradayrol L, et al. **Gastroenterol Clin Biol** 1982 Feb; 6(2):166–9 (Eng. Abstr.) **(Fre)**
[Inhibition of gastric secretion by subcutaneous administration of cyclic somatostatin in man (author's transl)] Vallot T, et al. **Gastroenterol Clin Biol** 1981; 5(8-9):728–32 (Eng. Abstr.) **(Fre)**
[Pancreatic secreting glucagonoma: inhibitory effect of somatostatin-14 (author's transl)] Vinel JP, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1155–9 (Eng. Abstr.) **(Fre)**
[Behavior of secretin-pancreozymin-stimulated pancreatic secretion, gallbladder contraction and choleresis after somatostatin administration] von Kleist D, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(5):219–24 (Eng. Abstr.) **(Ger)**
[In vitro role of some entero-insular hormones on peripheral insulin receptors] Zandomeneghi R, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):723–9 (Eng. Abstr.) **(Ita)**
[Inhibiting effect of somatostatin on duodenal gastrin secretion] Micali B, et al. **Chir Ital** 1982 Jun;34(3):389–92 **(Ita)**
[Effect of somatostatin on pancreatic secretion in the dog] Fokina AA, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1737–9 **(Rus)**

PHYSIOLOGY

Physiology and pharmacology of LHRH and somatostatin. McCann SM. **Annu Rev Pharmacol Toxicol** 1982; 22:491–515 (159 ref.)
The role of gastrointestinal and neuronal peptides in the pathophysiology of diabetes mellitus. Ganda OP. **Diabetes Care** 1981 May-Jun;4(3):435–42 (97 ref.)
Influence of endogenous somatostatin on growth hormone and thyrotropin secretion in neonatal rats. Oliver C, et al. **Endocrinology** 1982 Mar;110(3):1018–22
Hypothalamic peptides: central nervous system control of visceral functions. Brown M, et al. **Fed Proc** 1981 Sep; 40(11):2565–9 (32 ref.)
Effect of somatostatin on lower esophageal sphincter (les) pressure and serum gastrin in normal and achalasic subjects. Greco AV, et al. **Horm Metab Res** 1982 Jan;14(1):26–8
Ontogeny of somatostatin-containing neuron system of the rat: immunohistochemical analysis. II. Forebrain and diencephalon. Shiosaka S, et al. **J Comp Neurol** 1982 Jan 20;204(3):211–24
A role of endogenous somatostatin and glucagon in insulin release from pancreatic islets. Taniguchi H, et al. **Kobe J Med Sci** 1981 Dec;27(6):213–24
Somatostatin, basic and clinical studies. A review. Schally AV, et al. **Mater Med Pol** 1980 Jan-Jun;12(1-2):28–32 (64 ref.)
Gastrointestinal effects of somatostatin - physiology and clinical application. Swierczek JS, et al. **Mater Med Pol** 1980 Jan-Jun;12(1-2):74–9
Local somatostatin of the brain, an agent in the genesis of focal epilepsy? Elomaa E, et al. **Monogr Neural Sci** 1981; 5:30–1
Substance P-, met-enkephalin- and somatostatin-like immunoreactivity distribution in the frog spinal cord. Lorez HP, et al. **Neurosci Lett** 1981 Oct 23;26(2):119–24
Evidence for hormonal influence on small intestinal adaptation following partial enterectomy. Holmes SJ. **Proc Ins. Med Chic** 1981 Oct-Dec;34(4):111–5
Similarities in development of substance P and somatostatin in peripheral sensory neurons: effects of capsaicin and nerve growth factor. Kessler JA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4644–7
[Somatostatin and its action mechanism] Kokubu T, et al. **Nippon Rinsho** 1981 Sep;39(9):2933–7 (31 ref.) **(Jpn)**
[Pancreatic hormones in the regulation of carbohydrate metabolism] Kuzuya T. **Nippon Rinsho** 1982 Feb; 40(2):291–6 **(Jpn)**

SECRETION

Insulin, glucagon and somatostatin in the perfused rat pancreas and the effects of HB 699 (4-(2-(5-chloro-2-metoxy-benzamido)-ethyl)-benzoic acid). Efendić S, et al. **Acta Endocrinol (Copenh)** 1981 Dec; 98(4):573–9
Tolbutamide, glucose, calcium, and somatostatin secretion. Hermansen K. **Acta Endocrinol (Copenh)** 1982 Jan; 99(1):86–93
Effect of GIP on the secretion of insulin and somatostatin and the accumulation of cyclic AMP in vitro in the rat. Szecówka J, et al. **Acta Endocrinol (Copenh)** 1982 Mar; 99(3):416–21
Glucagon-secreting pancreatic islet cell carcinoma, containing insulin and somatostatin, with hypoglycemic attack. Yano T, et al. **Am J Gastroenterol** 1982 Jun; 77(6):387–91
Effects of starvation and obesity on somatostatin, insulin, and glucagon release from an isolated perfused organ system. Boden G, et al. **Am J Physiol** 1981 Sep;241(3):E215–20
Stimulation of gastrin and somatostatin secretion from the isolated rat stomach by bombesin. DuVal JW, et al. **Am J Physiol** 1981 Sep;241(3):G242–7
Human pancreatic islet cell clones secreting insulin, glucagon and somatostatin: immunocytochemical and functional studies. Matsuba I, et al. **Arch Histol Jpn** 1982 Feb; 45(1):111–9
Somatostatin and gastrin release into the gastric lumen in rats. Koop H, et al. **Can J Physiol Pharmacol** 1981 Jun; 59(6):574–9
Abnormalities of pancreatic somatostatin secretion corrected by in vivo insulin treatment of streptozotocin-diabetic rats. Trimble ER, et al. **Diabetes** 1981 Oct;30(10):865–7
Glucose and glucagon do stimulate somatostatin release from isolated pancreatic islets [letter] Dolais-Kitabgi J, et al. **Diabetologia** 1981 Sep;21(3):238
Difference in calcium dependency of insulin, glucagon and somatostatin secretion in response to glibenclamide in perfused rat pancreas. Efendić S, et al. **Diabetologia** 1982 Jun;22(6):475–9
Changes in somatostatin release from perfused pancreas of streptozotocin-induced diabetic rats. Tabata M, et al. **Endocrinol Jpn** 1981 Apr;28(2):101–9
Somatostatin elaboration by monolayer cell cultures derived from transplantable rat medullary thyroid carcinoma: synergistic stimulatory effects of glucagon and calcium. Aron DC, et al. **Endocrinology** 1981 Dec;109(6):1830–4
Intraventricularly injected growth hormone stimulates somatostatin release into rat hypophysial portal blood. Chihara K, et al. **Endocrinology** 1981 Dec;109(6):2279–81
Effects of K+ and arginine on insulin, glucagon, and somatostatin release from the in vitro perfused rat pancreas. Frankel BJ, et al. **Endocrinology** 1982 Feb;110(2):428–31
Somatostatin neutralization stimulates glucagon and insulin secretion from the avian pancreas. Honey RN, et al. **Endocrinology** 1981 Dec;109(6):1971–4
Pulsatile somatostatin release from the median eminence of the unanesthetized rat and its relationship to plasma growth hormone levels. Kasting NW, et al. **Endocrinology** 1981 Nov;109(5):1739–45
Sodium- and calcium-dependent somatostatin release from dissociated cerebral cortical cells in culture. Robbins RJ, et al. **Endocrinology** 1982 Feb;110(2):496–9
Effect of food deprivation on rat gastric somatostatin and gastrin release. Koop H, et al. **Gastroenterology** 1982 May; 82(5 Pt 1):871–6
Differential regulation of gastrin an somatostatin secretion from isolated perfused rat stomachs. Martindale R, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):240–4
Regulation of gastrin and somatostatin secretion by intramural neurons: effect of nicotinic receptor stimulation with dimethyl-phenylpiperazinium. Schubert ML, et al. **Gastroenterology** 1982 Sep;83(3):626–32
Autonomic nervous control of gastric somatostatin secretion from the perfused rat stomach. McIntosh C, et al. **Life Sci** 1981 Oct 5;29(14):1477–83
Adrenergic modulation of pancreatic somatostatin, insulin, and glucagon secretion: evidence for differential sensitivity of islet A, B, and D cells. Itoh M, et al. **Metabolism** 1982 Jul;31(7):715–20
Somatostatin secretion in diabetic rabbits. Wilson HK, et al. **Metabolism** 1982 May;31(5):428–32
Effect of capsaicin pretreatment on capsaicin-evoked release of immunoreactive somatostatin and substance P from primary sensory neurons. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):38–41
Lack of effect of baclofen on substance P and somatostatin

release from the spinal cord in vitro. Sawynok J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):78–81

Somatostatin: regulation of secretion. Arimura A, et al. **Neuroendocrinology** 1981;33(4):246–56 (102 ref.)

Nervous control of gastro-pancreatic somatostatin secretion in pigs. Holst JJ, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:215–21

Effect of glucagon antiserum on somatostatin, glucagon and insulin release from the isolated perfused rat pancreas. Seino S, et al. **Peptides (Fayetteville)** 1982 Mar–Apr; 3(2):175–82

Prostaglandin E1: stimulation of somatostatin and insulin responses to glucose from the isolated perfused rat pancreas. Nishi S, et al. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):593–7

Effect of parathyroid hormone on gastrin and somatostatin release from the gastric antrum. Selking O, et al. **Ups J Med Sci** 1981;86(3):259–67

[A case of VIP and somatostatin-secreting phaeochromocytoma (author's transl)] Faurel JP, et al. **Nouv Presse Med** 1982 Apr 24;11(19):1483–5 (Eng. Abstr.) **(Fre)**

[Secretion of pancreatic somatostatin] Tamarit Torres J. **An R Acad Nac Med (Madr)** 1981;98(2):261–82 **(Spa)**

[Somatostatinoma syndrome] Varas Lorenzo MJ. **Med Clin (Barc)** 1982 Mar 16;78(6):246–9 **(Spa)**

THERAPEUTIC USE

Effect of somatostatin on diarrhea and on small intestinal water and electrolyte transport in a patient with pancreatic cholera. Ruskoné A, et al. **Dig Dis Sci** 1982 May; 27(5):459–66

Intractable diarrhoea in a patient with vasoactive intestinal peptide-secreting neuroblastoma. Attempted control by somatostatin. Tiedemann K, et al. **Eur J Pediatr** 1981 Oct; 137(2):217–9

Cytoprotection – organoprotection by somatostatin: gastric and hepatic lesions. Szabo S, et al. **Experientia** 1982 Feb 15;38(2):254–6

Therapy and prevention of gastroduodenal ulcer bleeding by somatostatin, secretin or cimetidine. Gyr K. **Hepatogastroenterology** 1981 Dec;28(6):286–7

Effects of somatostatin in a case of severe hypoglycemia due to nesidioblastosis. Roti E, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):209–12

Somatostatin in persistent gastrointestinal fistula treated by total parenteral nutrition [letter] di Costanzo J, et al. **Lancet** 1982 Aug 7;2(8293):338–9

[Conservative treatment of fistulas of the pancreas and the small intestine with somatostatin (author's transl)] Hild P, et al. **Ann Chir** 1982 Mar;36(3):193–6 (Eng. Abstr.) **(Fre)**

[Somatostatin: promises from the therapeutic point of view, misleading physiologically] Chayvialle JA. **Gastroenterol Clin Biol** 1981;5(8–9):715–8 **(Fre)**

[Somatostatin in the treatment of diabetes mellitus] Mirouze J. **Nouv Presse Med** 1981 Oct 10;10(36):2945–6 **(Fre)**

[Post-hyperglycaemic hypoglycaemia: effects of somatostatin (author's transl)] Mirouze J, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2947–9 (Eng. Abstr.) **(Fre)**

[The effect of somatostatin on bronchial obstruction in carcinoid (author's transl)] Klapdor R, et al. **Prax Klin Pneumol** 1982 Apr;36(4):202–5 (Eng. Abstr.) **(Ger)**

SOMATOTROPIN RELEASING HORMONE

BIOSYNTHESIS

Ectopic production of growth hormone-releasing factor by carcinoid and pancreatic islet tumors associated with acromegaly. Frohman LA, et al. **Prog Clin Biol Res** 1981; 74:259–71 (31 ref.)

DEFICIENCY

Evidence that reduced growth hormone secretion observed in monosodium glutamate-treated rats is the result of a deficiency in growth hormone-releasing factor. Millard WJ, et al. **Endocrinology** 1982 Feb;110(2):540–50

METABOLISM

Corticoliberin and somatoliberin activity in the pituitary stalk median eminence of rats after neonatal treatment with monosodium glutamate. Acs Z, et al. **J Endocrinol** 1982 May;93(2):239–45

Growth hormone releasing activity persists in the deafferented medial-basal hypothalamus of the rat. Antoni FA, et al. **J Endocrinol** 1981 Dec;91(3):415–25

Metabolic clearance rate in sheep of a met-enkephalin analogue estimated by radioimmunoassay. Bolton JE, et al. **J Endocrinol** 1982 Jun;93(3):427–33

SOMATOTYPES

Body build and its relationship to pressure distribution in the seated wheelchair patient. Garber SL, et al. **Arch Phys Med Rehabil** 1982 Jan;63(1):17–20

Female homosexuality and body build. Perkins MW. **Arch Sex Behav** 1981 Aug;10(4):337–45

Somatotype and idiopathic mitral valve prolapse. Zema MJ, et al. **Cathet Cardiovasc Diagn** 1982;8(2):105–11

Age and body type comparisons of the mass distributions of children. Jensen RK. **Growth** 1981 Autumn;45(3):239–51

Somatotype and injuries in adult student rugby footfall. Reilly T, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):186–91

Body composition and somatotype characteristics of junior Olympic athletes. Thorland WG, et al. **Med Sci Sports Exerc** 1981;13(5):332–8

Changes in somatotypes during 4 to 20 years in Gaddi Rajput boys. Singh SP, et al. **Z Morphol Anthropol** 1980; 71(3):285–93

Body morphology and anthropometric somatotypes of Rajput and Brahmin Gaddis of Dhaula Dhar Range, Himalayas. Singh SP. **Z Morphol Anthropol** 1981; 72(3):315–23

[The commencement of menarche and the menstrual cycle in various somatotypes I (author's transl)] Kovalčíková J. **Cesk Gynekol** 1980 Nov;45(9):634–40 (Eng. Abstr.) **(Cze)**

[Character of behavior in an avoidance situation as a criterion for evaluation of the typologic characteristics of rats] Khonicheva NM, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):975–83 (Eng. Abstr.) **(Rus)**

[Commencement of menarche and menstrual cycle in various somatotypes II (author's transl)] Kovalčíková J. **Cesk Gynekol** 1981 Apr;46(3):184–90 (Eng. Abstr.) **(Slo)**

SOMNAMBULISM

CHEMICALLY INDUCED

Somnambulism, bed-time medication and over-eating [letter] Nadel C. **Br J Psychiatry** 1981 Jul;139:79

OCCURRENCE

[Enuresis and other parasomnias in normal persons] Deza L, et al. **Rev Neuropsiquiatr** 1979 Sep–Dec;42(3–4):174–84 (Eng. Abstr.) **(Spa)**

THERAPY

Maintenance of wakefulness test: a polysomnographic technique for evaluation treatment efficacy in patients with excessive somnolence. Mitler MM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):658–61

SONICATION see under **ULTRASONICS**

SONOGRAPHY, SPEECH see **SOUND SPECTROGRAPHY**

SORBIC ACID see under **FATTY ACIDS, UNSATURATED**

SORBITAN DERIVATIVES see **POLYSORBATES**

SORBITOL

Use of N-methyl-D-glucamine as buffer in the determination of serum alkaline phosphatase activity. Chromý V, et al. **Clin Chem** 1981 Oct;27(10):1729–32

ADVERSE EFFECTS

Sorbitol, prostaglandins, and ulcerative colitis enemas [letter] Zijlstra FJ. **Lancet** 1981 Oct 10;2(8250):815–6

'Pink' diarrhoea: osmotic diarrhoea from a sorbitol-containing vitamin C supplement. Hill RE, et al. **Med J Aust** 1982 May 1;1(9):387–9

['Intravascular volume effects of intravenous administration of 40% sorbitol solution' (letter)] Finsterer U. **Anaesthesist** 1981 Nov;30(11):582–5 **(Ger)**

ANALOGS & DERIVATIVES

Cutaneous leishmaniasis in mice: resistance to glucan immunotherapy, either alone or combined with chemotherapy. Avila JL, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):53–9

Effect of isosorbide and hydralazine in painful primary esophageal motility disorders. Mellow MH. **Gastroenterology** 1982 Aug;83(2):364–70

Reduced levels of plasma 1,5-anhydroglucitol in diabetic patients. Akanuma H, et al. **J Biochem (Tokyo)** 1981 Jul; 90(1):157–62

Near infrared mult-component analysis of parenteral products using the InfraAlyzer 400. Rose JJ, et al. **J Parenter Sci Technol** 1982 Mar–Apr;36(2):71–8

Early meningitis side effects following lumbar radiculography with meglumine iocarmate. Hadden WA. **J R Coll Surg Edinb** 1982 Jan;27(1):42–5

Treatment of Ménière's disease with isosorbide. Kitahara M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):232–8

The relationship of hookworm infection, anaemia and iron status in a Papua New Guinea highland population and the response to treatment with iron and mebendazole. Shield JM, et al. **Papua New Guinea Med J** 1981 Mar; 24(1):19–34

Feeding and hyperglycemia induced by 1,5-anhydroglucitol in the rat. Sakata T, et al. **Physiol Behav** 1981 Sep; 27(3):401–5

Excretion of contrast medium from the lumbar subarachnoid space of monkeys. Haughton VM, et al. **Radiology** 1982 Mar;142(3):673–6

Ménière's disease and isosorbide as an oral hyperosmotic agent (author's transl)] Yamazaki T, et al. **Arch Otorhinolaryngol** 1982;234(1):97–104 (Eng. Abstr.) **(Ger)**

[Experience with Dimer-X myelography] Mayer G, et al. **Beitr Orthop Traumatol** 1981 Jul;28(7):386–9 (Eng. Abstr.) **(Ger)**

[Complications and diagnostic value of Dimer-X myelography] Seeber E. **Beitr Orthop Traumatol** 1981 Jul; 28(7):395–400 (Eng. Abstr.) **(Ger)**

['Contrast medium arachnitis' following lumbosacral myelography with water-soluble contrast media] Claass A, et al. **Rontgenpraxis** 1982 May;35(5):174–85 (65 ref.) **(Ger)**

[Analysis of the symptomatological findings after sacculo-radiculography with Dimer-X (clinico-statistical study of 100 consecutive cases] Grasso A, et al. **Arch Putti Chir Organi Mov** 1981;31:83–100 **(Ita)**

[Pharmacokinetics and antilipolytic effect of a derivative of nicotinic acid (sorbinicate) in dialyzed uremic patients] Zuliani U, et al. **Farmaco [Prat]** 1981 Sep;36(9):416–23 (Eng. Abstr.) **(Ita)**

[Experimental investigations on the effect of dimer-X and amipaque on the central nervous system after their use for cerebral ventriculography (author's transl)] Kun M, et al. **Pol Przegl Radiol** 1981 Nov–Dec;45(6):373–8 (Eng. Abstr.) **(Pol)**

ANALYSIS

Automated high pressure liquid chromatographic system for determination of mannitol, sorbitol, and xylitol in chewing gums and confections. Samarco EC, et al. **J Assoc Off Anal Chem** 1982 Jan;65(1):76–8

[African medical plants. I: Characterization of inositol and sorbitol, probable active principles of kinkeliba (Combretum micranthum G.Don)] Bassène E, et al. **Dakar Med** 1981;26(2):219–25 (Eng. Abstr.) **(Fre)**

BLOOD

Influence of carbohydrate intake soon plasma sorbitol concentration in normal subjects. Malaisse WJ, et al. **Am J Clin Nutr** 1981 Sep;34(9):1652–4

Sorbitol accumulation in human normal and diabetic platelets. O'Malley BC, et al. **J Fla Med Assoc** 1982 Jun;69(6):460–2

METABOLISM

Genetic transfer of markers for sorbitol (D-glucitol) metabolism in oral streptococci. Westergren G, et al. **Arch Oral Biol** 1981;26(5):403–7

The effects of aldose reductase inhibitors on the metabolism of cultured monkey kidney epithelial cells. Boot-Handford R, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3065–9

13C-nuclear magnetic resonance studies of sugar cataractogenesis in the single intact rabbit lens. González RG, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):808–11

Effect of intracytoplasmic membrane development on oxidation of sorbitol and other polyols by Gluconobacter oxydans. White SA, et al. **J Bacteriol** 1982 May; 150(2):934–43

Chronic abdominal pain caused by sorbitol malabsorption. Hyams JS. **J Pediatr** 1982 May;100(5):772–3

Agglutination, toxigenicity and sorbitol fermentation of Clostridium difficile. Nakamura S, et al. **Microbiol Immunol** 1981;25(9):863–70

[Varying utilization of glucose and sorbitol in drug-induced hypercortical metabolism] Heine W, et al. **Infusionsther Klin Ernahr** 1982 Feb;9(1):24–7 (Eng. Abstr.) **(Ger)**

[Carbohydrate infusions in internal diseases. A comparative study in metabolically normal subjects, patients with liver diseases and diabetics. V. Infusion of a glucose-sorbitol mixture (ratio 1:1) for 48 hours] Müller PH, et al. **Infusionsther Klin Ernahr** 1982 Feb;9(1):16–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of sodium chloride and sorbitol infusions on vascular angiotensin reactivity during third trimester pregnancy. Oney T, et al. **Arch Gynecol** 1982;231(2):99–105

Regulation of NADPH-dependent mixed-function oxidation in perfused livers. Comparative studies with sorbitol and ethanol. Reinke LA, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1621–8

Reversible compression of cytoplasm. Albrecht-Buehler G, et al. **Exp Cell Res** 1982 Jul;140(1):173–89

Effect of glucitol on the production of mucidin in Oudemansiella mucida. Zouchová Z, et al. **Folia Microbiol (Praha)** 1982;27(1):35–7

The effect of sucrose and hexitol—containing chewing gums on plaque acidogenesis in vivo. Vratsanos SM, et al. **Pharmacol Ther Dent** 1981;6(3–4):87–91

Effect of Saliment on parotid salivary gland secretion and on xerostomia caused by Sjögren's syndrome. Donatsky O, et al. **Scand J Dent Res** 1982 Apr;90(2):157–62

Effect of aqueous solutions of sorbitol–xylitol on plaque metabolism and on growth of Streptococcus mutans. Rölla G, et al. **Scand J Dent Res** 1981 Jun;89(3):247–50

THERAPEUTIC USE

[Effect of thiobiline in the treatment of functional digestive disorders] Chevrel B. Med Chir Dig 1981;10(7):637–40 (Fre)

[A new treatment of functional colopathies: Modulite] Chevrel B. **Med Chir Dig** 1982;11(2):151–4 (Fre)

[Sorbitol in ophthalmology] Petrescu AD. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):161–4 (Eng. Abstr.) (Rum)

SORBOSE

METABOLISM

L-Sorbose phosphorylation in Escherichia coli K-12. Slater AC, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):365–7

SORE THROAT see PHARYNGITIS

SOTALOL

ADMINISTRATION & DOSAGE

Comparison of once and twice daily sotalol in exercise-induced angina pectoris. Wilhelmsson C, et al. **Eur J Clin Pharmacol** 1982;21(6):461–5

Propranolol and sotalol augment the coronary vasodilatory action of prostacyclin (PGI2) in rabbit isolated hearts. Gillespie MN, et al. **Eur J Pharmacol** 1981 Oct 22; 75(2–3):155–8

ADVERSE EFFECTS

Hypokalaemia induced by a combination of a beta-blocker and a thiazide. Skehan JD, et al. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):83

Sotalol prolongation of the QTc interval in hypertensive patients. Neuvonen PJ, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):25–32

Prolongation of the Q–T interval caused by sotalol--possible association with ventricular tachyarrhythmias. Laakso M, et al. **Eur Heart J** 1981 Aug;2(4):353–8

Electrocardiographic changes after long-term treatment with sotalol in hypertensive patients. Castro M, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Feb;20(2):88–91

Facial atrophy during sotalol treatment. Aho K, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):179

Sotalol and the Q–Tc interval [letter] Laakso M, et al. **Lancet** 1981 Nov 21;2(8256):1168

Sotalol and the Q–Tc interval [letter] Lockhart EA, et al. **Lancet** 1981 Oct 3;2(8249):757–8

Sotalol, prolonged Q–Tc interval, and tachyarrhythmias [letter] Neuvonen PJ, et al. **Lancet** 1982 Jan 9;1(8263):106

Satalol-induced torsade de pointes. Kontopoulos A, et al. **Postgrad Med J** 1981 May;57(667):321–3

METABOLISM

Transfer of propranolol and sotalol across the human placenta. Their effect on maternal and fetal plasma renin activity. Erkkola R, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):31–4

Antacids and sotalol absorption. Kahela P, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep;49(3):181–3

Pharmacokinetics of propranolol and sotalol in hyperthyroidism. Aro A, et al. **Eur J Clin Pharmacol** 1982; 21(5):373–7

[Pharmacokinetic study of sotalol after 320 mg single oral doses in healthy adults using high performance liquid chromatography (author's transl)] Fourtillan JB, et al. **Therapie** 1981 Jul–Aug;36(4):457–63 (Eng. Abstr.) (Fre)

[Pharmacokinetic study of sotalol administered intravenously to healthy men. Application of high performance liquid chromatography (author's transl)] Poirier JM, et al. **Therapie** 1981 Jul–Aug;36(4):465–71 (Eng. Abstr.) (Fre)

PHARMACODYNAMICS

Acute prolongation of myocardial refractoriness by sotalol. Bennett DH. **Br Heart J** 1982 Jun;47(6):521–6

Electrophysiological effects of sotalol--just another beta blocker? Nathan AW, et al. **Br Heart J** 1982 Jun; 47(6):515–20

Propranolol and sotalol as antagonists of isoproterenol-enhanced physiologic tremor. Pickles H, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):303–10

Sotalol-induced delayed ventricular repolarization in man. Edvardsson N, et al. **Eur Heart J** 1980 Oct;1(5):335–43

Paracetamol augments the sotalol induced bradycardia in man. Tongia SK. **Indian J Physiol Pharmacol** 1982 Jan–Mar;26(1):97–8

Effect of peroral administration of sotalol on the hemodynamics of the baboon. Rogers GG, et al. **J Cardiovasc Pharmacol** 1982 Mar–Apr;4(2):197–204

Effect of sotalol on ischemic myocardial pH in the dog heart. Izumi T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar;318(4):340–3

[Electrophysiological properties of acute intravenous sotalol in man] Clémenty J, et al. **Arch Mal Coeur** 1981 Sep; 74(9):1089–97 (Eng. Abstr.) (Fre)

POISONING

A case of sotalol poisoning. Belton P, et al. **Ir J Med Sci** 1982 Apr;151(4):126–7

Prolongation of Q–Tc or Q–Uc interval and sotalol [letter] Pellinen T, et al. **Lancet** 1981 Oct 17;2(8251):878

THERAPEUTIC USE

Sotalol in hyperthyroidism. Kaur S, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):627–34

Sotalol and metoprolol comparison of their anti-hypertensive effect. Andersson O, et al. **Eur J Clin Pharmacol** 1981; 21(2):87–92

Controlled trial of sotalol for one year after myocardial infarction. Julian DG, et al. **Lancet** 1982 May 22; 1(8282):1142–7

[Chronic administration of beta blocking agents: left ventricular hemodynamics in myocardial infarctions during exercise (author's transl)] Blümchen G, et al. **Z Kardiol** 1981 Sep;70(9):678–86 (Eng. Abstr.) (Ger)

SOTERENOL see under ETHANOLAMINES

SOUND

see related
ACOUSTIC STIMULATION
NOISE

Physiological and pathogenic effects of sound. Borg E. **Acta Otolaryngol [Suppl] (Stockh)** 1981;381:1–68

Sound output of electronic laryngeal prostheses at room and body temperature. Young KA, et al. **Biomater Med Devices Artif Organs** 1982;10(1):9–19

Tinnitus masking:unresolved problems. Vernon JA, et al. **Ciba Found Symp** 1981;85:239–62

Depth perception by means of ambient sounds in a small mammal. Etienne AS, et al. **Experientia** 1982 May 15; 38(5):553–5

The phonochrome: a coherent spectro-temporal representation of sound. Johannesma P, et al. **Hear Res** 1981 Nov;5(2–3):123–45

Velocity and attenuation of sound in arterial tissues. Rooney JA, et al. **J Acoust Soc Am** 1982 Feb;71(2):462–6

Self-heard venous bruit due to increased intracranial pressure [letter] Meador KJ, et al. **Lancet** 1982 Feb 13;1(8268):391

Development of an infrared hearing aid. Leshowitz B. **Med Instrum** 1982 Jan–Feb;16(1):15–6

Hearing of modulation in sounds. Kay RH. **Physiol Rev** 1982 Jul;62(3):894–975 (327 ref.)

Comparison of oculoplethysmography/carotid phonoangiography with duplex scan/spectral analysis in the detection of carotid artery stenosis. Keagy BA, et al. **Stroke** 1982 Jan–Feb;13(1):43–5

[A medico-psychological study of the influence of sounds during general anesthesia on the postoperative course] Bonke B, et al. **Ned Tijdschr Geneeskd** 1982 Apr 24; 126(17):763–5 (Eng. Abstr.) (Dut)

[Infrasonic pressure waves: definition, occurrence, effects on humans, and protective measures (condensed version of a study of relevant literature)] Schultz K, et al. **Z Gesamte Hyg** 1981 Apr;27(4):270–4 (86 ref.) (Eng. Abstr.) (Ger)

[Atmospheric infrasonics as a possible factor transmitting the effect of solar activity to the biosphere] Vladimirskiĭ BM. **Probl Kosm Biol** 1982;43:174–9 (18 ref.) (Rus)

DIAGNOSTIC USE

Portable blood pressure measurements: performance of Korotkov sound analysis techniques. Wolthuis R, et al. **Hypertension** 1981 Sep–Oct;3(5):596–600

Velocity of propagation of bone-conducted sound in a human head. Tonndorf J, et al. **J Acoust Soc Am** 1981 Nov; 70(5):1294–7

Occlusal forces during chewing and swallowing as measured by sound transmission. Gibbs CH, et al. **J Prosthet Dent** 1981 Oct;46(4):443–9

SOUND LOCALIZATION see under AUDITORY PERCEPTION

SOUND SPECTROGRAPHY

The speech spectrographic display: interpretation of visual patterns by hearing-impaired adults. Maki JE, et al. **J Speech Hear Disord** 1981 Nov;46(4):379–87

Efficacy of salbutamol in treatment of infant pertussis demonstrated by sound spectrum analysis. Peltola H, et al. **Lancet** 1982 Feb 6;1(8267):310–2

Spectral analysis of tuning fork generated tones. Reiter D. **Laryngoscope** 1982 Aug;92(8 Pt 1):844–7

Acoustic emission properties of callus. Nicholls PJ, et al. **Med Biol Eng Comput** 1981 Jul;19(4):416–8

The application of FFT and inverse FFT in the analysis of ABR waveform variation. Lang AH, et al. **Scand Audiol [Suppl]** 1981;13:65–7

[A sonographic analysis of the changes in the timbre of the voice during indirect laryngoscopy (author's transl)] Leonardy B. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb; 61(2):95–7 (Ger)

[Phonographic analysis of psychogenic cough (author's transl)] Korpáš J, et al. **Bratisl Lek Listy** 1982;77(6):656–61 (Eng. Abstr.) (Slo)

INSTRUMENTATION

Experimental study on quantitative flow measurement by a Doppler flowmeter with a sound-spectrograph. Moritake K, et al. **Neurol Res** 1981;3(4):363–80

METHODS

Fundamental frequency characteristics and perceived age of adult male speakers. Horii Y, et al. **Folia Phoniatr (Basel)** 1981;33(4):227–33

[Pneumotachographic objective evaluation of treatment courses and results] Bastian HJ, et al. **Folia Phoniatr (Basel)** 1981;33(4):216–26 (Eng. Abstr.) (Ger)

[Electroglottographic course controls in patients with functional voice disorders] Jentzsch H, et al. **Folia Phoniatr (Basel)** 1981;33(4):234–41 (Eng. Abstr.) (Ger)

SOY BEANS

The inhibitory effect of soy products on nonheme iron absorption in man. Cook JD, et al. **Am J Clin Nutr** 1981 Dec;34(12):2622–9

Effect of soy protein on nonheme iron absorption in man. Hallberg L, et al. **Am J Clin Nutr** 1982 Sep;36(3):514–20

Lightly hydrogenated soy oil versus other vegetable oils as a lipid-lowering dietary constituent. Laine DC, et al. **Am J Clin Nutr** 1982 Apr;35(4):683–90

Influence of diets containing casein, soy isolate, and soy concentrate on serum cholesterol and lipoproteins in middle-aged volunteers. van Raaij JM, et al. **Am J Clin Nutr** 1982 May;35(5):925–34

Effect of plant proteins on cholesterol metabolism in growing rats fed atherogenic diets. Mokady S, et al. **Ann Nutr Metab** 1982;26(2):138–44

Binding of soybean agglutinin to glycolipid components of porcine lymphocyte plasma membranes. Sage HJ, et al. **Arch Biochem Biophys** 1982 Jul;216(2):685–92

The nutritive value of Brazilian soy products tested in malnourished children. de Oliveira JE, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):93–107

Antinutrient occurrence and some physicochemical properties of the protein fractions of five Brazilian soybean varieties. do Prado VC, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):551–63

Effect of microwave heating of soybeans on protein quality. Sánchez A, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):44–51

Soybean protein independently lowers plasma cholesterol levels in primary hypercholesterolemia. Goldberg AP, et al. **Atherosclerosis** 1982 Jun;43(2–3):355–68

Long-term effects of semipurified diets containing casein or soy protein isolate on atherosclerosis and plasma lipoproteins in rabbits. Huff MW, et al. **Atherosclerosis** 1982 Feb;41(2–3):327–36

Soybean protein and serum cholesterol [letter] Schwandt P, et al. **Atherosclerosis** 1981 Nov–Dec;40(3–4):371–2

The effect of semipurified diets containing different proportions of either casein or soybean protein on the concentration of cholesterol in whole serum, serum lipoproteins and liver in male and female rats. Terpstra AH, et al. **Atherosclerosis** 1982 Mar;42(1):85–95

The effect of long-term feeding of soya-bean flour diets on pancreatic growth in the rat. Crass RA, et al. **Br J Nutr** 1982 Jan;47(1):119–29

The effect of dietary raw and autoclaved soya-bean protein fractions on growth, pancreatic enlargement and pancreatic enzymes in rats. Naim M, et al. **Br J Nutr** 1982 Mar; 47(2):281–8

Prediction of the suitability of soya-bean products for feeding to preruminant calves by an in-vitro immunochemical method. Sissons JW, et al. **Br J Nutr** 1982 Mar;47(2):311–8

Influence of dietary protein composition on lead absorption in rats. Anders E, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):61–7

Inhibition of spontaneous hepatocarcinogenesis in C3H/HeN mice by Edi Pro A, an isolated soy protein. Becker FF. **Carcinogenesis** 1981;2(11):1213–4

Soybean diet lowers breast tumor incidence in irradiated rats. Troll W, et al. **Carcinogenesis** 1980 Jun;1(6):469–72

Comparison of breast, cow, and soy feedings in the prevention of onset of allergic disease: a 15-year prospective study. Gruskay FL. **Clin Pediatr (Phila)** 1982 Aug;21(8):486–91

Isoflavone content of soya-based laboratory animal diets. Murphy PA, et al. **Food Chem Toxicol** 1982 Jun;20(3):315–7

Effect of the purified unsaponifiable fraction of soybean in combination with ursodeoxycholic acid on cholesterol saturation of bile and stone dissolution in gallstone patients. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Jun; 30(2):71–83

Effect of the purified unsaponifiable fraction of soybean on the lipid metabolism and gallstone in mice. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Jun;30(2):85–92

Inhibitory effect of dietary soybean meal on the establishment of a Clostridium strain in the gastrointestinal tract of mice. Lhuillery C, et al. **Infect Immun** 1982 May;36(2):621–7

Hydrogenated soybean oil (HSO) as a vehicle for the chronic and controlled administration of testosterone in the orchidectomized rat. Gerrity M, et al. **Int J Androl** 1981 Aug;4(4):494–504

Effect of cysteine on heat inactivation of soybean trypsin

inhibitors. Lei MG, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1196-9

Soya protein antibodies in man: their occurrence and possible relevance in coeliac disease. Haeney MR, et al. **J Clin Pathol** 1982 Mar;35(3):319-22

Assessment of protein digestibility by in vitro enzymatic hydrolysis with simultaneous dialysis. Gauthier SF, et al. **J Nutr** 1982 Sep;112(9):1718-25

Effect of phytate:zinc molar ratio and isolated soybean protein on zinc bioavailability. Lo GS, et al. J Nutr 1981 Dec;111(12):2223-35

Studies on the mechanism of antihypercholesterolemic action of soy protein and soy protein-type amino acid mixtures in relation to the casein counterparts in rats. Nagata Y, et al. **J Nutr** 1982 Aug;112(8):1614-25

In vitro estimation of iron availability in meals containing soy products. Schricker BR, et al. **J Nutr** 1982 Sep; 112(9):1696-705

The hypocholesterolemic effect of dietary soy protein in rats. Terpstra AH, et al. **J Nutr** 1982 Apr;112(4):810-7

Availability to rats of zinc from soybean seeds as affected by maturity of seed, source of dietary protein, and soluble phytate. Welch RM, et al. **J Nutr** 1982 May;112(5):879-85

Serum and liver cholesterol levels of rats and mice fed soy-bean protein or casein. Nagata Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(6):583-93

Effects of dietary soybean globulins on plasma and liver lipids and on fecal excretion of neutral sterols in rats. Okita T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):379-88

Effects of dietary soy protein on liver catabolism and plasma transport of cholesterol in hypercholesterolemic rats. Bosisio E, et al. **J Steroid Biochem** 1981 Nov;14(11):1201-7

Switch to soy protein for boring but healthful diet [news] Check WA. **JAMA** 1982 Jun 11;247(22):3045-6

[The protection of degranulation of mast cell by liquid extract of soybean (author's transl)] Wu Q. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Aug;4(4):201-2 (Eng. Abstr.) **(Chi)**

[Effect of maize-soya rations of various amino acid levels on utilization and endogenous loss of protein in piglets] Gruber F, et al. **Arch Tierernahr** 1981 Sep;31(9):619-32 (Eng. Abstr.) **(Ger)**

[Modification of serum lipoproteins by soy bean proteins] Richter WO, et al. **MMW** 1981 Nov 13;123(46):1755-6 **(Ger)**

[A case of allergic bronchopulmonary aspergillosis caused by Aspergillus oryzae which is used for brewing bean paste (miso) and soy sauce (shoyu) (author's transl)] Kino T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr; 20(4):467-75 (Eng. Abstr.) **(Jpn)**

[Agronomic, nutritional and processing characteristics of soybean germ plasm with colored seed coats] Lam-Sánchez A, et al. **Arch Latinoam Nutr** 1981 Sep;31(3):586-603 (Eng. Abstr.) **(Por)**

[Effect of a diet containing a soy isolate on serum amino acid composition and on other interstitial metabolic indices in chronic hepatitis] Fan TK, et al. **Vopr Pitan** 1981 Jul-Aug;(4):11-4 (Eng. Abstr.) **(Rus)**

[Possible use of soybean protein in diet therapy of patients with chronic hepatitis] Fan TK, et al. **Vopr Pitan** 1981 Sep-Oct;(5):8-12 (Eng. Abstr.) **(Rus)**

[Supplementary effect of 3 sources of soy protein on various corn products] Bressani R, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):52-62 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Reduction of the soy-induced inhibition of nonheme iron absorption. Morck TA, et al. **Am J Clin Nutr** 1982 Aug; 36(2):219-28

Morphometric and immunohistochemical study of jejunal biopsies from children with intestinal soy allergy. Perkkiö M, et al. **Eur J Pediatr** 1981 Sep;137(1):63-9

Coffee, soya, and pancreatic cancer [letter] McMichael AJ. **Lancet** 1981 Sep 26;2(8248):689-90

Exploring cow's milk and soy protein sensitivity in human infants. **Nutr Rev** 1981 Aug;39(8):305-7 (11 ref.)

Cow's milk and soy protein intolerance in childhood. Kibort PM, et al. **Pediatr Ann** 1982 Jan;11(1):119-23

Nutritional balance studies in very low-birth-weight infants: role of soy formula [letter] Prinsloo JG. **Pediatrics** 1982 May;69(5):672-3

[Effect of the ingestion of soybean fractions, raw or autoclaved, on the rat thyroid] Filisetti TM, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):287-302 (Eng. Abstr.) **(Por)**

ANALYSIS

Simple estimate of ureides in soybean tissue. Patterson TG, et al. **Anal Biochem** 1982 Jan 1;119(1):90-5

Detection and characterization of a new beta-conglycinin from soybean seeds. Sykes GE, et al. **Arch Biochem Biophys** 1981 Sep;210(2):525-30

Inhibition of N-nitrosamine formation by soya products. Kurechi T, et al. **Food Cosmet Toxicol** 1981 Aug; 19(4):425-8

Cyclitols in soybean. Phillips DV, et al. **J Agric Food Chem** 1982 May-Jun;30(3):456-8

The persistence and disappearance by washoff and dryfall of methoxychlor from soybean foliage--a preliminary study. Smith CN, et al. **J Environ Sci Health [B]** 1981; B16(6):777-94

Inactivation of soya bean trypsin inhibitors by thiols. Friedman M, et al. **J Sci Food Agric** 1982 Feb;33(2):165-72

[Selection of the colorimetric method for estimating the carbohydrate content of soy bean products] Jacórzyński B, et al. **Rocz Panstw Zakl Hig** 1981;32(4):333-8 (Eng. Abstr.) **(Pol)**

[Hygienic and nutritional characteristics of Vietnamese fermented sauces] Nhuong LV. **Vopr Pitan** 1981 Sep-Oct; (5):62-5 (Eng. Abstr.) **(Rus)**

[Effect of experimental soy protein diets on manifestations of allergic phenomena] Vinokurova NM, et al. **Vopr Pitan** 1982 May-Jun;(3):23-6 **(Rus)**

DRUG EFFECTS

Effect of pyrethroid insecticides on soybean and its pathogen Rhizoctonia solani Kuehn. Tu CM. **J Environ Sci Health [B]** 1982;17(1):43-50

ENZYMOLOGY

Enzymic synthesis of lignin precursors. Comparison of cinnamoyl-CoA reductase and cinnamyl alcohol:NADP+ dehydrogenase from spruce (Picea abies L.) and soybean (Glycine max L.). Lüderitz T, et al. **Eur J Biochem** 1981 Sep;119(1):115-24

Ultrastructural localization of urate oxidase in nodules of Sesbania exaltata, Glycine max, and Medicago sativa. Vaughn KC, et al. **Histochemistry** 1982;74(3):309-18

GENETICS

Organization and expression of leghaemoglobin genes. Brisson N, et al. **Can J Biochem** 1982 Mar;60(3):272-8

IMMUNOLOGY

IgE antibody levels to ingested soya protein determined in a normal adult population. Goodwin BF. **Clin Allergy** 1982 Jan;12(1):55-62

METABOLISM

Comparative effects of soy and casein protein on plasma cholesterol concentrations. Raheja KL, et al. **Ann Nutr Metab** 1982;26(1):44-9

Chlorobiphenyl movement from soil to soybean plants. Fries GF, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):757-9

Absorption, transport, and chemical fate of plutonium in soybean plants. Garland TR, et al. **J Agric Food Chem** 1981 Sep-Oct;29(5):915-20

Biosynthesis of subunits of the soybean 7S storage protein. Beachy RN, et al. **J Mol Appl Gen** 1981;1(1):19-27

RADIATION EFFECTS

Effects of 42- and 2450-MHz dielectric heating on nutrition-related properties of soybeans. Nelson SO, et al. **J Microwave Power** 1981 Dec;16(3-4):313-8

ULTRASTRUCTURE

Changes in polysomes and mRNA in ageing soybean (Glycine max L.) cotyledons. Barakett L, et al. **Gerontology** 1982;28(1):1-9

SPACE FLIGHT

see related
EXTRATERRESTRIAL ENVIRONMENT
SEALED CABIN ECOLOGY
WEIGHTLESSNESS

Effects of vestibular and visual motion perception on task performance. Hosman RJ, et al. **Acta Psychol (Amst)** 1981 Aug;48(1-3):271-87

Interactions of animal and computer models in investigations of the 'anemia' of space flight. Dunn CD, et al. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 1):683-90

Effects of space flight factors at the cellular level: results of the Cytos experiment. Planel H, et al. **Aviat Space Environ Med** 1982 Apr;53(4):370-4

The future of Soviet space exploration. Zaitsev Y. **Aviat Space Environ Med** 1982 Jan;53(1):73-5

Preliminary results of medical investigations during piloted flights in the Salyut-6 program. Vorob'ev EI, et al. **Biol Bull Acad Sci USSR** 1981 Jan-Feb;8(1):1-14

Food system for Space Shuttle Columbia. Stadler CR, et al. **J Am Diet Assoc** 1982 Feb;80(2):108-14

The atmosphere of Titan. Owen T. **J Mol Evol** 1982; 18(3):150-6

Physiological effects of bed rest [letter] Guell A, et al. **Lancet** 1982 Feb 6;1(8267):338

Proceedings of the Third Annual Meeting of the IUPS Commission on Gravitational Physiology. 29 September -2 October 1981, Innsbruck, Austria. **Physiol Behav** 1981 Dec;24(6 Suppl):S1-115

Man in weightlessness: physiological problems, clinical aspects, prevention and protection. Related bio-medical research in micro-gravity during the forecoming SPACELAB missions. Fuchs HS. **Riv Med Aeronaut Spaz** 1980 Jul-Dec;43(3-4):332-46

[Study of the intra- and extracellular electrolyte content in Paramecia cultures carried out during a space flight (author's transl)] Tixador R, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):175-8 (Eng. Abstr.) **(Fre)**

[Vestibular system in flight (conclusion of the 13 th Symposium of French Electronystagmography) (author's transl)] Bordes LR. **Rev Otoneuroophtalmol** 1981 Jul-Sep; 53(4):343-7 (Eng. Abstr.) **(Fre)**

[Aerospace use of nuclear energy and current biological problems of environmental contamination] La Verde R, et al. **Minerva Med** 1982 Aug 25;73(32-33):2075-81 (Eng. Abstr.) **(Ita)**

[Past and present medical and biological studies in Italy on microgravity] Scano A. **Minerva Med** 1982 Aug 25; 73(32-33):2061-6 (Eng. Abstr.) **(Ita)**

[Change of composition and properties of myofibrillar proteins after space flight] Oganov VS, et al. **Biofizika** 1982 Jan-Feb;27(1):26-30 (Eng. Abstr.) **(Rus)**

[Features of the lifting reflex in the white rat following prolonged space flight (effect of weightlessness and artificial gravity)] Aizikov GS, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):722-5 (Eng. Abstr.) **(Rus)**

[Effect of space flight factors on the stress reaction of the rat liver nuclear nucleic acid system] Komolova GS, et al. **Dokl Akad Nauk SSSR** 1981;260(1):236-9 **(Rus)**

[Cybernetic analysis of the heart rhythm in the measured physical loading test with crew members of the Saliut-6 orbital station] Baevskiĭ RM, et al. **Kardiologiia** 1981 Nov; 21(11):100-4 (Eng. Abstr.) **(Rus)**

[Plasma and tissue lipids in rats after a flight on the Kosmos-936 biosatellite] Ahlers J, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):56-8 (Eng. Abstr.) **(Rus)**

[Plasma and tissue lipids in rats after a flight on the Kosmos-1129 biosatellite] Ahlers J, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):58-61 (Eng. Abstr.) **(Rus)**

[Postures, movements and equilibrium functions of rats after flights on biosatellites] Aizikov GS, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):33-8 (Eng. Abstr.) **(Rus)**

[Aerosol pollution of sealed manned quarters] Anisimov BV, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):73-6 (Eng. Abstr.) **(Rus)**

[Biochemical indices of the healthy human being in a hermetic chamber with periodically ionized air] Anisiomov BV, et al. **Kosm Biol Aviakosm Med** 1981;15(3):54-6 (Eng. Abstr.) **(Rus)**

[Ways and means for maintaining the thermal balance of pilots cosmonauts] Berer AS. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):9-15 (8 ref.) (Eng. Abstr.) **(Rus)**

[Crew nutrition on the Saliut-6 orbital station] Bychko VP, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):10-3 (Eng. Abstr.) **(Rus)**

[Amino acid metabolism in long-term nutrition with dehydrated products and in the modelling of space-flight factors] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):21-3 (Eng. Abstr.) **(Rus)**

[Human lipid metabolic characteristics under sealed cabin conditions] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):41-3 (Eng. Abstr.) **(Rus)**

[Crew nutrition of the 3 base expeditions of the Saliut-6 orbital station] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):17-20 (Eng. Abstr.) **(Rus)**

[Results of measuring the charge and energy spectra of heavy nuclei on board the artificial Earth satellite Kosmos-936] Dashin SA, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun; 16(3):70-3 (Eng. Abstr.) **(Rus)**

[Sympathetic-adrenal system status of cosmonauts completing 7-day flights] Davydova NA, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):88-91 **(Rus)**

[Study of serotonin and histamine metabolism in cosmonauts] Dolgun ZS, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb; 16(1):89-91 **(Rus)**

[Results of a hemodynamic and cardiac cycle phase structure study in a functional test with measured physical load on a 140-day flight in the Saliut-6 station] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1981;15(3):18-22 (Eng. Abstr.) **(Rus)**

[Results of studying the hemodynamics and phase structure of the heart cycle in a functional test with lower body negative pressure exposure on an 140-day flight on the Saliut-6 station] Egorov AD, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):65-9 (Eng. Abstr.) **(Rus)**

[Blood fibrinogen during 7-day water immersion and short-term space flight] Fomin AN. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):83-5 **(Rus)**

[Employment of domestic fly larvae for utilizing organic wastes in human biological life-support systems] Golubeva EG, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec; 15(6):54-7 (Eng. Abstr.) **(Rus)**

[Bifidobacterium flora status of cosmonauts before and after completing space flights] Goncharova GI, et al. **Kosm Biol Aviakosm Med** 1981;15(3):14-8 (Eng. Abstr.) **(Rus)**

[Ion-regulating function of the human kidneys during prolonged space flight and in simulation studies] Grigor'ev AI, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb; 16(1):29-33 (Eng. Abstr.) **(Rus)**

[Mucosal ultrastructure of the rat small intestine after flight

on the Kosmos-936 biosatellite] Iakovleva ND, et al. **Kosm Biol Aviakosm Med** 1981;15(3):40-5 (Eng. Abstr.) **(Rus)**

[Results of a study of vestibular function and space perception in cosmonauts] Iakovleva IIa, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):20-6 (Eng. Abstr.) **(Rus)**

[Structural changes in the soleus muscle of rats on the Kosmos-series biosatellites and in hypokinesia] Il'ina-Kakueva EI, et al. **Kosm Biol Aviakosm Med** 1981; 15(3):37-40 (Eng. Abstr.) **(Rus)**

[Cytokinetic evaluation of erythropoiesis on prolonged orbital flights] Iliukhin AV, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):42-6 (Eng. Abstr.) **(Rus)**

[Determination of the dissolved carbon in regenerated water obtained in the water supply systems of space vehicles] Koloskova IuS, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):87-9 **(Rus)**

[Preparation of labyrinthectomized animals for a flight on the Kosmos-936 biosatellite] Kotovskaia AR, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):83-6 **(Rus)**

[Nitrous compound content in the tissues of the cerebral hemispheres and cerebellum of rats after a flight on the Kosmos-1129 biosatellite] Kurkina LM, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):68-70 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration of the blood of rats after a flight on the Cosmos-936 biosatellite] Kvetnianski R, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):80-3 (Eng. Abstr.) **(Rus)**

[Catecholamines and their metabolic enzymes in the rat myocardium after a flight on the Kosmos-936 biosatellite] Kwetnanski R, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):66-8 (Eng. Abstr.) **(Rus)**

[Catecholamines and their metabolic enzymes in the rat myocardium after prolonged space flight] Kwetniansky R, et al. **Kosm Biol Aviakosm Med** 1981;15(3):45-7 (Eng. Abstr.) **(Rus)**

[Effect of typical representatives of urinary and manned sealed-cabin microflora on the hydrolysis of urea] Lebedeva TE, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):84-6 **(Rus)**

[Human adaptive reactions as affected by the environmental acoustic parameters of sealed living quarters] Manovtsev GA, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr; 16(2):76-81 (Eng. Abstr.) **(Rus)**

[Atmosphere regeneration characteristics in enclosed spaces using the photosynthesis of single-cell algae] Meleshko GI, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):58-62 (Eng. Abstr.) **(Rus)**

[Activity of various liver enzymes in rats following a flight aboard the Cosmos-936 biosatellite] Nemet Sh, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):77-80 (Eng. Abstr.) **(Rus)**

[Enzyme activity of carbohydrate metabolism in rat skeletal muscle after space flight] Nesterov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):75-8 (Eng. Abstr.) **(Rus)**

[Correlation between microflora and indices of immunity in cosmonaut carriers of nasal Staphylococcus aureus during the preflight period] Nikolaeva TN, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):40-3 (Eng. Abstr.) **(Rus)**

[Metabolic processes in rat skeletal muscle after a flight on the Kosmos-936 biosatellite] Nosova EA, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):71-5 (Eng. Abstr.) **(Rus)**

[Vitamin C body allowance of persons working in sealed quarters] Novikov VS, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):90-1 **(Rus)**

[Toxicological and hygienic aspects of increasing the efficiency of the afterpurification of the water regenerated from urine] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):51-4 (Eng. Abstr.) **(Rus)**

[Dynamics of the phasic structure of left ventricular systole on prolonged (140-185 days) space flights] Poliakova AP, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):25-30 (Eng. Abstr.) **(Rus)**

[Effect of a 48-day flight on the blood amino acid content of the Saliut-5 crew] Popov IG, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):14-9 (Eng. Abstr.) **(Rus)**

[Mineral phase and protein matrix status of rat bony tissue after a flight on the Kosmos-1129 biosatellite] Prokhonchukov AA, et al. **Kosm Biol Avinkosm Med** 1982 Mar-Apr;16(2):61-4 (Eng. Abstr.) **(Rus)**

[Biological value and storage stability of cultured milk products intended for cosmonaut nutrition] Radaeva IA, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):23-6 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the blood vessels and muscle fibers in the skeletal muscle of rats flown on the Kosmos-605 and Kosmos-782 biosatellites] Savik ZF, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):78-83 (Eng. Abstr.) **(Rus)**

[Hygiene principles of operational quality control of regenerated water in space flight] Skuratov VM, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):48-51 (9 ref.) **(Rus)**

[Digestive system status after prolonged space flights] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):19-22 (Eng. Abstr.) **(Rus)**

[Functional state of the gastrointestinal tract organs in rats after a flight on the Kosmos-1129 biosatellite] Smirnov KV, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):49-53 (Eng. Abstr.) **(Rus)**

[Mitotic activity and the nuclear volume of the epithelial cells of the rat cornea after a space flight on biosatellites] Sushkov FV, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):61-6 (Eng. Abstr.) **(Rus)**

[Protein fractions and their enzyme activity in the rat myocardium in a Kosmos-936 biosatellite experiment] Tigranian RA, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):68-71 (Eng. Abstr.) **(Rus)**

[Noradrenaline and the enzymes of its synthesis and breakdown in the rat hypothalamus after a flight on the Kosmos-936 biosatellite] Torda T, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):46-8 (Eng. Abstr.) **(Rus)**

[Effect of space flights of varying duration on energy metabolism in human erythrocytes] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):23-7 **(Rus)**

[Characteristics of the structuro-functional properties and energy metabolism of erythrocytes during space flights of different duration] Ushakov AS, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):34-7 (Eng. Abstr.) **(Rus)**

[Age characteristics of the regional hemodynamic state of cosmonauts] Vasil'eva TD, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):61-4 (Eng. Abstr.) **(Rus)**

[Amino acid composition of the body of rats after a flight on the Kosmos-1129 biosatellite] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):66-8 (Eng. Abstr.) **(Rus)**

[Amino acid composition of the rat quadriceps femoris muscle after a flight on the Kosmos-936 biosatellite] Vlasova TF, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):53-6 (Eng. Abstr.) **(Rus)**

[Effect of radioprotectors on the body's reactivity when exposed to factors involved in space flight] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):4-12 (122 ref.) **(Rus)**

[Prevention of staphylococcal infections in manned space flight] Zaloguev SN, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):27-9 (Eng. Abstr.) **(Rus)**

[Microorganisms distribution in the aerosol of a manned sealed cabin and the effect of artificial air ionization on this process] Zaloguev SN, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):44-6 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of physiological and reparative bone marrow regeneration in rats on the Kosmos-605 and -690 biosatellites] Kalandarova MP, et al. **Probl Gematol Pereliv Krovi** 1981 Dec;26(12):26-30 (Eng. Abstr.) **(Rus)**

[Hygienic value of ionizing the atmosphere of the capsules of manned space craft] Anisimov BV. **Probl Kosm Biol** 1980;42:68-79 (37 ref.) **(Rus)**

[Principles for the creation of food components in the systems provided for space vehicle crews] Bychkov VP. **Probl Kosm Biol** 1980;42:214-64 (205 ref.) **(Rus)**

[Immunologic reactivity of the body while dwelling in sealed quarters] Konstantinova IV, et al. **Probl Kosm Biol** 1980; 42:191-213 (22 ref.) **(Rus)**

[Assessment of human physiologic potential under extreme living conditions] Manovtsev GA, et al. **Probl Kosm Biol** 1980;42:171-91 (46 ref.) **(Rus)**

[Sources of atmospheric pollution of space capsules by microcontaminants and their toxicologic evaluation] Savina VP, et al. **Probl Kosm Biol** 1980;42:11-42 (41 ref.) **(Rus)**

[Microecology of the intestine under extreme conditions] Sliilov VM, et al. **Probl Kosm Biol** 1980;42:140-70 (61 ref.) **(Rus)**

[Hygiene and the toxicology of non-metallic materials] Solomin GI. **Probl Kosm Biol** 1980;42:43-67 (34 ref.) **(Rus)**

[Sanitary-microbiologic and epidemiologic aspects of habitability] Zaloguev SN, et al. **Probl Kosm Biol** 1980; 42:80-140 (110 ref.) **(Rus)**

[The otolith reflex and spatial perception in cosmonauts] Iakovleva IIa, et al. **Vestn Otorinolaringol** 1981 Jul-Aug; (4):3-6 **(Rus)**

[Conditioned reflexes in the white rat during space flight] Apanasenko ZI, et al. **Zh Vyssh Nerv Deiat** 1982 Mar-Apr; 32(2):263-8 **(Rus)**

[Formation of complex behavior habits in white rats after exposure to artificial gravitation aboard the Cosmos-936 biosatellite] Livshits NN, et al. **Zh Vyssh Nerv Deiat** 1981 May-Jun;31(3):564-70 (Eng. Abstr.) **(Rus)**

[Blood levels of hormones, prostaglandins, and cAMP in crew members of the space flight 'Soyuz 28' (author's transl)] Kalita NF, et al. **Bratisl Lek Listy** 1982 Jan; 77(1):6-11 (Eng. Abstr.) **(Slo)**

MANPOWER

[A new occasion for cooperation between the specialist and practicing physician. medical selections for space enterprises (considerations on the Italian experiment concerning the Spacelab project] Rotondo G, et al. **Riv Med Aeronaut Spaz** 1981 Jan-Jun;45(1-2):7-20 (Eng. Abstr.) **(Ita)**

SPACE MAINTENANCE

INSTRUMENTATION

Prevention of gingival submergence of fixed unilateral space maintainers. Croll TP. **ASDC J Dent Child** 1982 Jan-Feb; 49(1):48-51

SPACE MEDICINE see **AEROSPACE MEDICINE**

SPACE PERCEPTION

The spatial and temporal organisation of motion perception units in human vision. Barbur JL, et al. **Acta Psychol (Amst)** 1981 Aug;48(1-3):35-47

On the spatio-temporal determinants of some motion effects. Caelli T. **Acta Psychol (Amst)** 1981 Aug;48(1-3):175-85

Detection of displacement during saccades: spatial and functional differences allied to preprogramming. Heywood S. **Acta Psychol (Amst)** 1981 Aug;48(1-3):141-9

Perceptual anisotropies in infancy: ontogenetic origins and implications of inequalities in spatial vision. Bornstein MH. **Adv Child Dev Behav** 1982;16:77-123 (205 ref.)

Visuospatial deficits after right hemisphere stroke. Kaplan J, et al. **Am J Occup Ther** 1982 May;36(5):314-21

Spatial frequency effects on binocular interaction assessed with visual evoked potentials. Lennerstrand G, et al. **Ann NY Acad Sci** 1982;388:631-4

Radial spatial patterns and multifrequency temporal patterns: possible clinical applications. Ratliff F. **Ann NY Acad Sci** 1982;388:651-6

Visual spatial perception in adolescents and their parents: the X-linked recessive hypothesis. Walker JT, et al. **Behav Genet** 1981 Jul;11(4):403-13

Cooperation between different spatial frequencies in binocular rivalry. Fahle M. **Biol Cybern** 1982;44(1):27-9

Evidence of right cerebral hemisphere dysfunction in schizophrenic patients with left hemisphere overactivation. Schweitzer L. **Biol Psychiatry** 1982 Jun;17(6):655-73

Contrast sensitivity in diabetic subjects with and without retinopathy. Ghafour IM, et al. **Br J Ophthalmol** 1982 Aug; 66(8):492-5

Contrast sensitivity in retinitis pigmentosa. Lindberg CR, et al. **Br J Ophthalmol** 1981 Dec;65(12):855-8

A forced-choice test improves clinical contrast sensitivity testing. Vaegan, et al. **Br J Ophthalmol** 1982 Aug; 66(8):477-91

Spatial memory impairments following damage to the mediodorsal nucleus of the thalamus in rhesus monkeys. Isseroff A, et al. **Brain Res** 1982 Jan 28;232(1):97-113

Patterns of intellectual functioning and spatial ability in boys and gender identity disorder. Finegan JK, et al. **Can J Psychiatry** 1982 Mar;27(2):135-9

Judged temporal order and spatial context. Collard R, et al. **Can J Psychol** 1981 Dec;35(4):323-9

Sexual variation in behaviour during spatial and verbal tasks. McGlone J. **Can J Psychol** 1981 Sep;35(3):277-82

Serial position effects in young children: temporal or spatial? Brown RM, et al. **Child Dev** 1981;52(4):1191-201

The effect of barriers on spatial representations. Cohen R, et al. **Child Dev** 1981 Sep;52(3):1087-90

Children's memory for oblique orientation: a matter of degree? Fisher CB, et al. **Child Dev** 1982 Feb;53(1):235-8

Effects of motor activity on children's intentional and incidental memory for spatial locations. Herman JF, et al. **Child Dev** 1982 Feb;53(1):239-44

The development of map-reading skills. Presson CC. **Child Dev** 1982 Feb;53(1):196-9

Spatial self-reference systems and shortest-route behavior in toddlers. Rieser JJ, et al. **Child Dev** 1982 Apr; 53(2):524-33

Spatial knowledge of ambulatory and wheelchair-confined nursing home residents. Herman JF, et al. **Exp Aging Res** 1981 Winter;7(4):491-6

Spatial summation of signals and adaptation by the surround response mechanism of cat retinal ganglion cells. Cohen HI, et al. **Exp Brain Res** 1981;44(2):207-12

Mapping studies of the tectal representation of the frog binocular visual field. A problem of methodology. Gaillard F, et al. **Exp Brain Res** 1981;44(2):187-94

Residual vision in humans who have been monocularly deprived of pattern stimulation in early life. Hess RF, et al. **Exp Brain Res** 1981;44(3):295-311

Extrageniculostriate vision in the monkey. VIII. Critical structures for spatial localization. Solomon SJ, et al. **Exp Brain Res** 1981;44(3):259-70

Temporal properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al. **Exp Brain Res** 1982;45(1-2):179-88

Spatial properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al. **Exp Brain Res** 1982; 45(1-2):189-95

The visual and visual motor integrative space-span perceptual welding screening. Gottlieb DD, et al. **J Am Optom Assoc** 1981 Aug;52(8):651-3

The question of childhood egocentrism: the co-ordination of perspectives in relation to operational thinking. Hobson RP. **J Child Psychol Psychiatry** 1982 Jan;23(1):43-60

Pigeons' spatial memory: factors affecting delayed matching

of key location. Wilkie DM, et al. **J Exp Anal Behav** 1982 Jan;37(1):45–56

Developmental differences in cognitive mapping: configurational knowledge of familiar large-scale environments. Curtis LE, et al. **J Exp Child Psychol** 1981 Jun;31(3):456–69

Sex differences in retention of verbal and spatial characteristics of stimuli: a cross-cultural replication. Jahoda G. **J Exp Child Psychol** 1981 Jun;31(3):424–9

Internal spatial relationships in young children's drawings. Light PH, et al. **J Exp Child Psychol** 1981 Jun;31(3):521–30

Contrasting patterns in the acquisition of spatial/temporal terms. Richards MM, et al. **J Exp Child Psychol** 1981 Dec; 32(3):485–512

The development of spatial understanding in infancy. Wishart JG, et al. **J Exp Child Psychol** 1982 Jun;33(3):363–85

Duration of visible persistence in relation to range of spatial frequencies. Di Lollo V, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):754–69

Effects of spatial context during acquisition on the recall of attributive information. Rothkopf EZ, et al. **J Exp Psychol [Learn Mem Cogn]** 1982 Mar;8(2):126–38

Number, space, and time conceptualization: the role of sensorimotor activity. Brittan E. **J Genet Psychol** 1981 Dec; 139(Second Half):307–8

Coding of spatial information by young and elderly adults. McCormack PD. **J Gerontol** 1982 Jan;37(1):80–6

Shadworth Hodgson and William James's formulation of space perception: phenomenology and perceptual realism. High RP. **J Hist Behav Sci** 1981 Oct;17(4):466–85

Dr. High on Dr. Pastore on 'Dr. High on History': James's theory of space perception. High RP. **J Hist Behav Sci** 1982 Apr;18(2):176–80

Sex differences in a children's spatial serial-learning task. Orsini A, et al. **J Psychol** 1982 May;111(First Half):67–71

Luminance threshold for stereopsis. Dörrenhaus A, et al. **Naturwissenschaften** 1981 Oct;68(10):529–30

Disorders of calculation in aphasic patients--spatial and verbal components. Dahmen W, et al. **Neuropsychologia** 1982;20(2):145–53

Topographic instability of spatial vision as a cause of dyslectic disorder: a case study. Nyman G, et al. **Neuropsychologia** 1982;20(2):181–6

Spatial behaviour in golden hamster (Mesocricetus auratus): a returning task in a T-maze with no intra- or extra-maze cues available. Chapuis N. **Percept Mot Skills** 1982 Feb; 54(1):337–8

Hemispheric specialization for tactile-spatial processing in preschool children. Etaugh C, et al. **Percept Mot Skills** 1981 Oct;53(2):621–2

The structure of spatial ability items: a faceted analysis. Guttman R, et al. **Percept Mot Skills** 1982 Apr;54(2):487–93

Spontaneous reference systems in individuals. Haller O. **Percept Mot Skills** 1981 Oct;53(2):591–603

Information for the spatial factor in Korte's 3rd Law of apparent motion. Hartman AM. **Percept Mot Skills** 1981 Oct;53(2):427–34

Sex and cultural differences in children's spatial and verbal memory span. Orsini A, et al. **Percept Mot Skills** 1981 Aug; 53(1):39–42

Perception of eye scans with the Müller-Lyer stimuli: evidence for filter theory. Petersik JT. **Percept Mot Skills** 1982 Jun;54(3):683–92

Vision and kinesthesis in spatial short-term memory. Podros LZ, et al. **Percept Mot Skills** 1981 Oct;53(2):459–66

Geometric figure-rotation task and face representation in dyslexia: role of spatial relations and orientation. Pontius AA. **Percept Mot Skills** 1981 Oct;53(2):607–14

Spatio-temporal discrimination of frequency in the right and left visual fields: a preliminary report. Rao SM, et al. **Percept Mot Skills** 1981 Aug;53(1):311–6

Intensity, spatial frequency, and temporal frequency determinants of apparent motion: Korte revisited. Caelli T, et al. **Perception** 1981;10(2):183–9

Meridional variation in visual acuity of hooded rats reared in a carpentered environment. Dean P, et al. **Perception** 1981;10(4):423–30

Discrimination of orientation by human infants. Essock EA, et al. **Perception** 1981;10(3):245–53

Optical information and practice in the discrimination of 3-D mirror-reflected objects. Kaushall P, et al. **Perception** 1981; 10(5):545–62

Self-referent and movement cues in coding spatial location by blind and sighted children. Millar S. **Perception** 1981; 10(3):255–64

Use of foreground and background information in visually guided locomotion. Strelow ER, et al. **Perception** 1981; 10(2):191–8

Linear information processing in the retina: a study of horizontal cell responses. Tranchina D, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6540–2

Memory for the spatial layout of the everyday physical environment: differential rates of acquisition of different types of information. Gärling T, et al. **Scand J Psychol** 1982;23(1):23–35

An investigation of tactile hyperacuity. Loomis JM. **Sens Processes** 1979 Dec;3(4):289–302

General causal models for sex differences in the familial transmission of multifactorial traits: an application to human spatial visualizing ability. Rice J, et al. **Soc Biol** 1980 Spring; 27(1):36–47

The dependence of the induced effect on orientation and a hypothesis concerning disparity computations in general. Arditi A. **Vision Res** 1982;22(2):247–56

[Certain aspects of language in cerebral palsy patients. Acquisition of 'right side up', 'upside down' and their opposite spatial position markers] Moscato M, et al. **Acta Paedopsychiatr (Basel)** 1981 Oct;47(3):155–66 (Eng. Abstr.) **(Fre)**

[Genetic study of systems of spatial reference in 2 reproduction tasks] Baudonnière PM. **Annee Psychol** 1981; 81(2):309–28 (Eng. Abstr.) **(Fre)**

[Genetic study of systems of spatial reference using eye movements and 2 memorization tasks] Baudonnière PM, et al. **Annee Psychol** 1981;81(2):329–46 (Eng. Abstr.) **(Fre)**

[Longitudinal study of kinematic inferences in preadolescents and adolescents: evolution or regression] Crépault J. **Can J Psychol** 1981 Sep;35(3):244–53 (Eng. Abstr.) **(Fre)**

[Concept of order in a hearing-impaired child. Studies of space representations of children] Vinter S. **Folia Phoniatr (Basel)** 1981;33(3):151–60 (Eng. Abstr.) **(Fre)**

[Spatial discrimination with thermal reinforcement in the young rat. (author's transl)] Guenaire C, et al. **Physiol Behav** 1982 Apr;28(4):725–31 (Eng. Abstr.) **(Fre)**

[Experimental studies on the capacity for spatial vision, on typology and on creative ability of color-blind patients] Blasius W, et al. **Dev Ophthalmol** 1981;4:167–219 **(Ger)**

[Perspective spatializations. II. The gradient of verticality in perspective indications] Longhi L, et al. **Riv Neurobiol** 1980 Jan-Mar;26(1):88–99 (Eng. Abstr.) **(Ita)**

[Perspective spatializations. III. Further experimental evidence of the theory of directional gradients] Longhi L, et al. **Riv Neurobiol** 1980 Jan-Mar;26(1):100–8 **(Ita)**

[Perspective spatializations. I. Directional gradients. 'Gradient of horizontality'. Spatialization of manipulation and of grasping. Phenomenological perspective] Longhi L, et al. **Riv Neurobiol** 1980 Jan-Mar;26(1):72–87 **(Ita)**

[The effect of the spatial distance upon visual stream segregation (author's transl)] Watanabe I. **Shinrigaku Kenkyu** 1981 Apr;52(1):57–60 (Eng. Abstr.) **(Jpn)**

[Case of unusual orientation abilities (inborn capacity for localization of magnetic north pole)] Chrzanowski W, et al. **Psychiatr Pol** 1981 Mar-Apr;15(2):221–4 **(Pol)**

DRUG EFFECTS

Scopolamine does not disrupt spatial working memory in rats. Godding PR, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):919–23

PHYSIOLOGY

The auditory subjective vertical as a function of body tilt. Lechner-Steinleitner S, et al. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):71–4

Spatial frequency limitations in binocular neurons: visual evoked potential evidence. Nakayama K, et al. **Ann NY Acad Sci** 1982;388:610–4

Radial-maze performance in the rat following lesions of posterior neocortex. Goodale MA, et al. **Behav Brain Res** 1981 Sep;3(2):273–88

Spatial deficits on radial maze after large tectal lesions in rats: possible role of impaired scanning. Dean P, et al. **Behav Neural Biol** 1981 Jun;32(2):170–90

Problem solving in the rat: cognitive/physiological mechanisms. Ellen P, et al. **Behav Neural Biol** 1981 Dec; 33(4):402–18

Retention of individual spatial reversal problems in rats with nigral, caudoputamenal, and reticular formation lesions. Thompson R, et al. **Behav Neural Biol** 1982 Jan; 34(1):98–103

Organization of visuospatial functions in human cortex. Evidence from electrical stimulation. Fried I, et al. **Brain** 1982 Jun;105(Pt 2):349–71

Dissociation of spatial information for stimulus localization and the control of attention. Holtzman JD, et al. **Brain** 1981 Dec;104(Pt 4):861–72

Spatial mapping, working memory, and the fimbria-fornix system. Buzsáki G, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):26–34

Amnesia for discrete events in rats with fornicotomies: effects of interference on spatial alternation performance. Pisa M. **J Comp Physiol Psychol** 1981 Dec;95(6):924–42

Point localisation in patients with unilateral brain damage. Tartaglione A, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):935–41

Response of Visual Cortical Neurons of the cat to moving sinusoidal gratings: response-contrast functions and spatiotemporal interactions. Holub RA, et al. **J Neurophysiol** 1981 Dec;46(6):1244–59

Tactile spatial resolution. I. Two-point discrimination, gap detection, grating resolution, and letter recognition. Johnson KO, et al. **J Neurophysiol** 1981 Dec;46(6):1177–92

Tactile spatial resolution. II. Neural representation of Bars, edges, and gratings in monkey primary afferents. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1192–203

Tactile spatial resolution. III. A continuum mechanics model of skin predicting mechanoreceptor responses to bars, edges, and gratings. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1204–25

Inferring local surface orientation from motion fields. Hoffman DD. **J Opt Soc Am** 1982 Jul;72(7):888–92

Localized effects of spatial frequency adaptation. Williams DW, et al. **J Opt Soc Am** 1982 Jul;72(7):878–87

Critical bands in cat spatial vision. Blake R, et al. **J Physiol (Lond)** 1981 May;314:175–87

Normality of spatial resolution of retinal ganglion cells in cats with strabismic amblyopia. Cleland BG, et al. **J Physiol (Lond)** 1982 May;326:235–49

Spatial and temporal properties of cat geniculate neurones after prolonged deprivation. Derrington AM, et al. **J Physiol (Lond)** 1981 May;314:107–20

The development of spatial-frequency selectivity in kitten striate cortex. Derrington AM, et al. **J Physiol (Lond)** 1981 Jul;316:1–10

Unilateral spatial neglect on imitation of finger patterns. Ogura J. **Kobe J Med Sci** 1981 Apr;27(2):71–6

Spatial ability in androgen-deficient men. Hier DB, et al. **N Engl J Med** 1982 May 20;306(20):1202–5

The idea of spatial ability [editorial] Kagan J. **N Engl J Med** 1982 May 20;306(20):1225–7

Spatial ability in androgen-deficient men [letter] Rodbard D, et al. **N Engl J Med** 1982 Oct 14;307(16):1020

Right thalamic injury, impaired visuospatial perception, and alexia. Henderson VW, et al. **Neurology (NY)** 1982 Mar; 32(3):235–40

Cognitive mapping and hippocampal system function. Becker JT, et al. **Neuropsychologia** 1981;19(6):733–44

Spatial abilities, sex differences and EEG functioning. Ray WJ, et al. **Neuropsychologia** 1981;19(5):719–22

The role of the right hippocampus in the recall of spatial location. Smith ML, et al. **Neuropsychologia** 1981; 19(6):781–93

Effect of successive electrical stimulation of different parts of the brain on delayed spatial choice in monkeys. Mordvinov EF. **Neurosci Behav Physiol** 1981 Mar-Apr; 11(2):164–9

The physiological background to amblyopia treatment by rotating gratings. Westall CA. **Ophthalmic Physiol Opt** 1981;1(3):175–85

Effects of tilt adaptation on the direction of voluntary saccades. Callan J, et al. **Perception** 1982;10(6):615–26

Lateralization of zinc in rat brain and its relationship to a spatial behavior. Valdes JJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):915–7

Neural systems control of spatial orienting. Posner MI, et al. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25; 298(1089):187–98

Alpha-stripes: a spatial periodicity appearing in stroboscopically illuminated moving random dot patterns. Adler B, et al. **Vision Res** 1981;21(6):913–24

The influence of the spatial distribution of a target on the dynamic response and fluctuations of the accommodation of the human eye. Bour LJ. **Vision Res** 1981;21(8):1287–96

Two components to visible persistence: effects of orientation and contrast. Bowling A, et al. **Vision Res** 1981; 21(8):1241–51

Flicker masking in spatial vision. Breitmeyer B, et al. **Vision Res** 1981;21(9):1377–85

Contrast sensitivity at high velocities. Burr DC, et al. **Vision Res** 1982;22(4):479–84

An explanation for the visibility of low frequency gratings. Campbell FW, et al. **Vision Res** 1981;21(5):723–30

Spatial frequency channels tuned for depth and motion. Chase W, et al. **Vision Res** 1981;21(5):621–5

Spatial frequency uncertainty effects in the detection of sinusoidal gratings. Davis ET, et al. **Vision Res** 1981; 21(5):705–12

Spatial frequency selectivity of cells in macaque visual cortex. De Valois RL, et al. **Vision Res** 1982;22(5):545–59

Variation of curvature in binocular visual space estimated by the triangle method. Higashiyama A. **Vision Res** 1981; 21(6):925–33

Single-cell responses to bar width and to sine-wave grating frequency in the pigeon optic tectum. Jassik-Gerschenfeld D, et al. **Vision Res** 1981;21(5):745–7

Latency for the perceived offset of brief target gratings. Long GM, et al. **Vision Res** 1981;21(9):1395–9

The effect of spatial frequency on colour selectivity in the tilt illusion. Lovegrove W, et al. **Vision Res** 1981; 21(8):1235–7

A spatial frequency dependent grating-induction effect. McCourt ME. **Vision Res** 1982;22(1):119–34

The luminance dependence of spatial vision in the cat. Pasternak T, et al. **Vision Res** 1981;21(9):1333–9

Spatial computation performed by simple and complex cells in the visual cortex of the cat. Pollen DA, et al. **Vision Res** 1982;22(1):101–18

Motion processing in peripheral vision: reaction time and perceived velocity. Tynan PD, et al. **Vision Res** 1982; 22(1):61–8

A single-channel model does not predict visibility of asynchronous gratings. Watson AB. **Vision Res** 1981; 21(12):1799–1800

Oblique effects in normally reared monkeys (Macaca nemestrina): meridional variations in contrast sensitivity measured with operant techniques. Williams RA, et al. **Vision Res** 1981;21(8):1253–66

[Neurobiological principles of binocular space perception. Historical review on the development of the concept and knowledge] Milos G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1982;

130(1):39–67 (Eng. Abstr.) **(Ger)**

[Correlation between individual features of the functional asymmetry of the cerebral hemispheres and pilot success] Giurdzhian AA, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):43–5 (Eng. Abstr.) **(Rus)**

[Results of a study of vestibular function and space perception in cosmonauts] Iakovleva IIa, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):20–6 (Eng. Abstr.) **(Rus)**

[The otolith reflex and spatial perception in cosmonauts] Iakovleva IIa, et al. **Vestn Otorinolaringol** 1981 Jul–Aug; (4):3–6 **(Rus)**

[Formation of complex behavior habits in white rats after exposure to artificial gravitation aboard the Cosmos–936 biosatellite] Livshits NN, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):564–70 (Eng. Abstr.) **(Rus)**

[Participation of the prefrontal cortex in delayed spatial choice and time interval discrimination in the rhesus monkey] Moiseeva LA. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):549–52 **(Rus)**

SPACE–TIME CLUSTERING

see related
DISEASE OUTBREAKS

Cluster sampling to assess immunization coverage: a review of experience with a simplified sampling method. Henderson RH, et al. **Bull WHO** 1982;60(2):253–60

A cluster analysis of the effects of storage mites as allergens in relation to certain occupations and living conditions. Agha M, et al. **Clin Allergy** 1981 Sep;11(5):499–504

A generalised scan statistic test for the detection of clusters. Weinstock MA. **Int J Epidemiol** 1981 Sep;10(3):289–93

Clustering of chronic disorders—a community study of coprevalence in Jerusalem. Abramson JH, et al. **J Chronic Dis** 1982;35(3):221–30

Neuropsychology and cluster analysis: potentials and problems. Morris R, et al. **J Clin Neuropsychol** 1981 May; 3(1):79–99

Application of a time–space clustering methodology to the assessment of acute environmental effects on respiratory illnesses. Goldstein IF, et al. **Rev Environ Health** 1981; 3(3):259–75

A clustering of prostatic cancer in an area with many manganese mines. Watanabe H, et al. **Tohoku J Exp Med** 1981 Dec;135(4):441–2

[Application of cluster analysis in adolescent development research (author's transl)] Dai MJ, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):287–9 **(Chi)**

SPANISH AMERICANS see **HISPANIC AMERICANS**

SPARGANOSIS

DIAGNOSIS

Human proliferative sparganosis in Venezuela: report of a case. Moulinier R, et al. **Am J Trop Med Hyg** 1982 Mar; 31(2):358–63

DRUG THERAPY

Treatment of proliferative sparganosis with mebendazole and praziquantel. Torres JR, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):846–7

VETERINARY

[Diphyllobothriosis and sparganosis in tropical Africa] Graber M. **Rev Elev Med Vet Pays Trop** 1981;34(3):303–11 (Eng. Abstr.) **(Fre)**

SPARGANUM

ANALYSIS

[Two European Spirometra forms (Cestoidea: Diphyllobothriidae) with different Sparganum growth factors] Odening K, et al. **Angew Parasitol** 1982 Feb; 23(1):15–27 (Eng. Abstr.) **(Ger)**

SPARSOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SPARTEINE

METABOLISM

6 beta–hydroxycortisol excretion in relation to polymorphic N–oxidation of sparteine [letter] Park BK, et al. **Br J Clin Pharmacol** 1982 May;13(5):737–40

In vitro metabolism of sparteine by human liver: competitive inhibition by debrisoquine. Otton SV, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):102–5

Polymorphic oxidation of sparteine and debrisoquine: related pharmacogenetic entities. Eichelbaum M, et al. **Clin Pharmacol Ther** 1982 Feb;31(2):184–6

Sparteine metabolism in Canadian Caucasians. Vinks A, et al. **Clin Pharmacol Ther** 1982 Jan;31(1):23–9

PHARMACODYNAMICS

Pharmacodynamics of a single dose of quinidine during chronic digoxin treatment. A randomized double blind placebo and sparteine–controlled crossover study. Belz GG, et al. **Eur J Clin Pharmacol** 1982;22(2):117–22

SPASM

see related
MUSCLE CRAMP
MYOTONIA

Neuropsychiatric aspects of tics and spasms. Tibbetts RW. **Br J Hosp Med** 1981 May;25(5):454, 456–7, 459 passim

Trigeminal neuralgia and hemifacial spasm: treatment by microvascular decompression. Rushworth RG, et al. **Med J Aust** 1982 May 15;1(10):424–6

CHEMICALLY INDUCED

1,4–dithiothreitol non–specifically potentiates spasmogen actions on the guinea–pig ileum. Watson SP, et al. **Biochem Pharmacol** 1982 May 15;31(10):1946–8

Masseter spasm induced by succinylcholine in children [letter] Famewo CE. **Can Anaesth Soc J** 1982 Jul; 29(4):403–4

Masseter spasm induced by succinylcholine in children: contracture testing for malignant hyperthermia: report of six cases. Flewellen EH, et al. **Can Anaesth Soc J** 1982 Jan;29(1):42–9

COMPLICATIONS

Lysosomal abnormalities in cultured schwann cells from a patient with peripheral neuropathy and continuous muscle fiber activity. Askanas V, et al. **Ann Neurol** 1981 Sep; 10(3):238–42

Dyspnoea during generalised spasms in tetraplegic patients. Silver JR, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep; 44(9):842–5

Case report. Myocardial infarction in young adults due to spasm of an arteriographically normal coronary artery. Flohr KH, et al. **Minn Med** 1981 May;64(5):282–4

[A case of generalized komuragaeri disease complicating myasthenia gravis (author's transl)] Satoh A, et al. **Rinsho Shinkeigaku** 1982 Mar;22(3):251–7 (Eng. Abstr.) **(Jpn)**

[Effect of spasm of accommodation and its treatment on the development of acquired axial myopia] Seniakina AS. **Oftalmol Zh** 1981;36(8):449–54 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Spasmus nutans in identical twins. Katzman B, et al. **Ann Ophthalmol** 1981 Oct;13(10):1193–5

Infantile spasms [letter] Haller JS, et al. **Dev Med Child Neurol** 1982 Feb;24(1):91–2

Optic glioma masquerading as spasmus nutans. Koenig SB, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb; 19(1):20–4

[Fibrogastroduodenoscopy in the differential diagnosis of pyloric spasm and pyloric stenosis in newborn infants] Petrova NS, et al. **Pediatriia** 1981 Nov;(11):16–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cholangiographic demonstration of relief of narcotic–induced spasm of the sphincter of Oddi. McLean ER Jr, et al. **Am Surg** 1982 Mar;48(3):134–6

Nitrites in the treatment of diffuse esophageal spasm. Parker WA, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):806–7

Tizanidine (DS 103–282) in the treatment of acute paravertebral muscle spasm: a controlled trial comparing tizanidine and diazepam. Fryda–Kaurimsky Z, et al. **J Int Med Res** 1981;9(6):501–5

Carbamazepine for hemifacial spasm. Alexander GE, et al. **Neurology (NY)** 1982 Mar;32(3):286–7

[Late results of electrotherapy of accommodation spasm in the presence of progressive myopia] Balezina TV. **Oftalmol Zh** 1981;36(8):457–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Femoral artery spasm in children: catheter size is the principal cause. Franken EA Jr, et al. **AJR** 1982 Feb; 138(2):295–8

Arterial spasm complicating distal vascular bypass procedures. Samson RH, et al. **Arch Surg** 1982 Jul; 117(7):973–5

Microvascular spasm in the cardiomyopathic Syrian hamster: a preventable cause of focal myocardial necrosis. Factor SM, et al. **Circulation** 1982 Aug;66(2):342–54

Functional changes in the a. carotis communis system resulting from dental extraction trauma and their treatment. Gaydadjiev H, et al. **Folia Med (Plovdiv)** 1981;23(3–4):64–9

Value of continuing education [letter] Frost J. **Med J Aust** 1981 Nov 28;2(11):579

An unusual cause of pacemaker current leakage causing muscle stimulation. Radcliffe PJ, et al. **PACE** 1981 Sep; 4(5):589–91

PHYSIOPATHOLOGY

Diagnostic value of segmental somatosensory evoked potentials in cases with chronic progressive para– or tetraspastic syndromes. Jörg J, et al. **Adv Neurol** 1982; 32:347–58

Role of histamine in the spasmogenic effect of the complement peptides C3a and C5a–desArg (classical anaphylatoxin). Sorgenfrei J, et al. **Agents Actions** 1982 Apr;12(1–2):118–21

Effects of sleep on spontaneous activity in symptomatic diffuse esophageal spasm. Danielides I, et al. **Am J Gastroenterol** 1982 Aug;77(8):535–8

Spasm of a saphenous vein bypass graft. A possible mechanism for occlusion of the venous graft. Victor MF, et al. **Chest** 1981 Oct;80(4):413–5

Brain stem auditory evoked potentials in patients with hemifacial spasm. Møller MB, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):848–52

Position–dependent hemifacial spasm. Schiess RJ, et al. **Surg Neurol** 1982 Jun;17(6):423–5

PSYCHOLOGY

Hemifacial spasm. A psychosomatic disease? Bratzlavsky M, et al. **Acta Neurol Belg** 1982 Jan–Feb;82(1):5–11

The treatment of vaginismus by the gynecologist: an eclectic approach. Reamy K. **Obstet Gynecol** 1982 Jan;59(1):58–62

[Acute onset gastric atony with a peritoneal syndrome following mental trauma and leading to laparotomy] Kovachev D, et al. **Vutr Boles** 1982;21(3):107–10 **(Bul)**

SURGERY

Intracranial facial nerve decompression in the management of hemifacial spasm. Witzmann A, et al. **Appl Neurophysiol** 1982;45(3):291–4

Recurrence of hemifacial spasm after hypoglossal facial anastomosis [letter] Harrison MJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun;44(6):558–9

Hemifacial spasm: a long term follow–up of patients treated by posterior fossa surgery and facial nerve wrapping. Kaye AH, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec; 44(12):1100–3

Microneurosurgical treatment of trigeminal neuralgia and hemifacial spasm. Wilberger J, et al. **South Med J** 1981 Sep;74(9):1124–6

Hemifacial spasm: treatment by microvascular decompression of the facial nerve at the pons. Wilkins RH. **South Med J** 1981 Dec;74(12):1471–4

[Thread or contact arc surgery. Indications and practical uses] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec; 25(4):279–82 (Eng. Abstr.) **(Rum)**

THERAPY

Treatment of severe tetany due to hyperventilation during labour with a mixture of nitrous oxide, oxygen, and carbon dioxide. Argent VP. **Br Med J [Clin Res]** 1982 Jul 10; 285(6335):117–8

In acute cervical hyperextension– hyperflexion injuries. Richardson RR, et al. **IMJ** 1981 Apr;159(4):227–30

Self–regulation of spasm and spasticity in cerebral palsy. Neilson PD, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr; 45(4):320–30

A case of syringomyelia: electrophysiological analysis and treatment for attacks of periodical spasms and intractable pain. Taguchi K, et al. **Neurol Med Chir (Tokyo)** 1981 Jan; 21(1):135–42

[Coital problems in women] Denk Z. **Cesk Gynekol** 1981 Sep;46(8):630–3 **(Cze)**

[Use of biofeedback in the treatment of spasmodic torticollis. Behavior psychotherapy (author's transl)] Pieters G, et al. **Acta Psychiatr Belg** 1981 May–Jun;81(3):321–34 (Eng. Abstr.) **(Fre)**

[Elimination of prespasms of accommodation by Dashevskii's methods of microblurring and divergent deaccommodation] Andreeva NA. **Oftalmol Zh** 1981; 36(3):164–7 (Eng. Abstr.) **(Rus)**

[Use of ultrasonic therapy in treating spasm of accommodation and a mild degree of myopia] Kubareva NS. **Oftalmol Zh** 1981;36(3):162–4 (Eng. Abstr.) **(Rus)**

SPASMOLYTICS see **PARASYMPATHOLYTICS**

SPASMOPHILIA see **TETANY**

SPASMS, INFANTILE

CLASSIFICATION

[Other infant epilepsies beyond the West and Lennox–Gastaut syndromes (author's transl)] Aicardi J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):412–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cerebral capillary telangiectasis in an infant. Coincidental Association with hypsarrhythmia. Crosley CJ, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):79–80

Infantile spasms: a neuro–ophthalmological study. Curatolo P, et al. **Dev Med Child Neurol** 1981 Aug;23(4):449–53

Psychiatric disorders in children with earlier infantile spasms. Riikonen R, et al. **Dev Med Child Neurol** 1981 Dec; 23(6):747–60

Aicardi syndrome. Karagöl U, et al. **Turk J Pediatr** 1981 Oct–Dec;23(4):261–8

[Eye changes in West syndrome (eclampsia mutans)] Krzywicki S. **Pol Tyg Lek** 1981 Jul 27;36(30):1143–4 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Spontaneous remission of infantile spasms with hypsarhythmia [letter] Bachman DS. **Arch Neurol** 1981 Dec;38(12):785

Benign neonatal sleep myoclonus. Coulter DL, et al. **Arch Neurol** 1982 Mar;39(3):191–2

Seizures in the newborn and young infants. Watanabe K. **Folia Psychiatr Neurol Jpn** 1981;35(3):275–80

A long-term follow-up study of 214 children with the syndrome of infantile spasms. Riikonen R. **Neuropediatrics** 1982 Feb;13(1):14–23

[Infantile spasms – a malignant form of epilepsy in infancy] Szabová I, et al. **Cesk Pediatr** 1982 Jun;37(6):322–3 **(Slo)**

DRUG THERAPY

Use of valproic acid in treatment of infantile spasms. Bachman DS. **Arch Neurol** 1982 Jan;39(1):49–52

Treatment of infantile spasms with sodium dipropylacetic acid. Pavone L, et al. **Dev Med Child Neurol** 1981 Aug; 23(4):454–61

The efficacy of corticotropin in primary infantile spasms. Lerman P, et al. **J Pediatr** 1982 Aug;101(2):294–6

Apparent cerebral atrophic findings on cranial computed tomography in nephrotic children with steroid therapy and in patients of infantile spasms with ACTH therapy. Yano E. **Kurume Med J** 1981;28(1):63–77

Bioavailability of rectally administered valproic acid syrup. Cloyd JC, et al. **Neurology (NY)** 1981 Oct;31(10):1348–52

ETIOLOGY

Infantile spasm and tuberous sclerosis. Haglund M, et al. **Acta Paediatr Scand** 1981 Sep;70(5):751–3

Prognostic factors of infantile spasms from the etiological viewpoint. Matsumoto A, et al. **Brain Dev** 1981;3(4):361–4

Neonatal seizures. Bergman I, et al. **Semin Perinatol** 1982 Jan;6(1):54–67

PATHOLOGY

Ultrastructural study of three cases of encephalopathy with hypsarrhythmia. Similarities of lesions with subacute spongiform encephalopathies. Toga M, et al. **Acta Neuropathol (Berl)** 1982;56(4):311–4

PHYSIOPATHOLOGY

Auditory brain stem responses in infantile spasms. Kaga K, et al. **Int J Pediatr Otorhinolaryngol** 1982 Mar;4(1):57–67

[Clinical and electroencephalographic analysis of 41 cases of infantile spasm with report on 4 cases] Feng YK, et al. **Chung Kuo I Hsueh ko Hsueh Yuan Hsueh Pao** 1981 Dec;3(4):237–42 (Eng. Abstr.) **(Chi)**

[Nosological limits of the Lennox-Gastaut syndrome (author's transl)] Beaumanoir A. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):468–73 (Eng. Abstr.) **(Fre)**

[Study on focalized EEG paroxysms in children (author's transl)] Bonifas P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):474–80 (Eng. Abstr.) **(Fre)**

[Neonatal epileptic encephalopathy with suppression bursts (author's transl)] Martin HJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):397–403 (Eng. Abstr.) **(Fre)**

[Epileptic evolutive encephalopathies in infants (West tsyndromee and Lennox-Gastaut syndrom) (author's transl)] Pinsard N. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):419–24 (Eng. Abstr.) **(Fre)**

[EEG analysis and prognosis in 125 cases of non-hyperpyretic seizures occurring in children under three (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):425–30 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Aicardi's syndrome with multiple papilloma of choroid plexus [letter] Tachibana H, et al. **Arch Neurol** 1982 Mar; 39(3):194

The value of neuroradiology in infantile spasms. Singer WD, et al. **J Pediatr** 1982 Jan;100(1):47–50

SPASTICITY, MUSCLE see **MUSCLE SPASTICITY**

SPATIAL BEHAVIOR

Does age of menarche affect the ultimate level of verbal and spatial skills? Strauss E, et al. **Cortex** 1981 Jul;17(2):323–6

Jewel fish retain juvenile schooling pattern after crowded development. Coss RG, et al. **Dev Psychobiol** 1981 Sep; 14(5):451–7

The effect of early visual experience on spatial maze learning in rats. Tees RC, et al. **Dev Psychobiol** 1981 Sep; 14(5):425–38

A comparison of interpersonal distancing behavior in young and elderly adults. Winogrond IR. **Int J Aging Hum Dev** 1981;13(1):53–60

Is privacy important in scoliosis screening? Quick MM, et al. **J Sch Health** 1981 Sep;51(8):458–60

Gaze and proximity as turn regulators within three-party and two-party child conversations. Craig HK, et al. **J Speech Hear Res** 1982 Mar;25(1):65–75

Increasing spatial awareness in undergraduate nursing students: a viable concept. Tyler LW. **JNE** 1982 Apr; 21(4):12–6

Utilization of appropriate projective techniques in assessing preschool children's personal space and body orientation. Peterson KL, et al. **Percept Mot Skills** 1982 Feb;54(1):67–70

Self-referent and movement cues in coding spatial location by blind and sighted children. Millar S. **Perception** 1981; 10(3):255–64

Definitions of personal space: smokers versus non-smokers. Kunzendorf RG, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):818

Influence of female hormonal state on rhesus sexual behavior varies with space for social interaction. Wallen K. **Science** 1982 Jul 23;217(4557):375–7

[Study of the intraspecific intolerance behavior of Rattus norvegicus] Pescetto G, et al. **Riv Neurobiol** 1980 Apr-Jun; 26(2):113–43 (Eng. Abstr.) **(Ita)**

[Proximity and old age] Calvo Melendro J. **An R Acad Nac Med (Madr)** 1981;98(2):133–48 **(Spa)**

PHYSIOLOGY

Patterning of human body movement in and through space. Murdoch EB, et al. **Physiotherapy** 1981 Feb 10;67(2):34–7

SPECIALISM

Neurotherapy and specialization. Price A. **Am J Occup Ther** 1980 Dec;34(12):809–15

Generalism and specialisation in surgery. Bevan PG. **Ann R Coll Surg Engl** 1981 Nov;63(6):383–5

Soft tissue paleopathology--an emerging subspecialty. Aufderheide AC. **Hum Pathol** 1981 Oct;12(10):865–7

Health education specialization in Africa: roles in conflict. Adeniyi JD, et al. **Int J Health Educ** 1981;24(1):26–32

The effect of clinical experiences in medical school on specialty choice decisions. Paiva RE, et al. **J Med Educ** 1982 Sep;57(9):666–74

Psychiatric services in primary care: specialized or not? McKechnie AA, et al. **J R Coll Gen Pract** 1981 Oct; 31(231):611–4

Who should treat cancer? [letter] **Lancet** 1981 Oct 17; 2(8251):863–4

Specialty practice: an overlooked resource? **Mod Vet Pract** 1981 Aug;62(8):585–9

The impact of early specialization on the clinical competence of residents. Gonnella JS, et al. **N Engl J Med** 1982 Feb 4;306(5):275–7

[Role of the university in the education and advanced training of the specialist in occupational medicine] Ambrosi L. **Med Lav** 1981 Sep–Oct;72(5):374–9 **(Ita)**

[Specialty in occupational medicine: some reflections] Chiappino G. **Med Lav** 1981 Sep–Oct;72(5):353–6 **(Ita)**

[Specialization in occupational medicine: international experiences] Vigliani EC. **Med Lav** 1981 Sep–Oct; 72(5):357–9 **(Ita)**

[Organized specialist training, the most imported demand among young Icelandic doctors] Arnason A. **Nord Med** 1982 Jun;97(6–7):171–2 **(Nor)**

[Development of norms for the demand for pharmaceutical personnel taking specialization into account] Borisenko LV, et al. **Sov Zdravookhr** 1981;(10):15–8 (Eng. Abstr.) **(Rus)**

[Current problems of training virologists] Derkach IuS, et al. **Sov Zdravookhr** 1982;(2):57–60 **(Rus)**

[Therapeutic approaches: specialization and instrumentalism, clinical empirism and individualization] Gogin EE. **Ter Arkh** 1981;53(5):29–33 **(Rus)**

TRENDS

[Standard practice and standard future] Meijler FL. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):869–71 **(Dut)**

SPECIALTIES, DENTAL

Dental specialisation and the Common Market. O'Neil R. **Br Dent J** 1981 Dec 15;151(12):427–8

From general practitioner to specialist. Levin LK. **Dent Clin North Am** 1981 Oct;25(4):607–10

When you need a specialist's help. **J Am Dent Assoc** 1982; Spec No:30C–4C

General dentistry for specialists [letter] Graves LR. **J Am Dent Assoc** 1982 Feb;104(2):146

SPECIALTIES, MEDICAL

Eighth Daniel C. Baker, Jr, Memorial lecture. Subcertification: a dilemma for otolaryngology--head and neck surgery. Reed GF. **Ann Otol Rhinol Laryngol** 1982 Jul-Aug;91(4 Pt 1):352–3

A study of physician attitude on biofeedback. Weinman ML, et al. **Biofeedback Self Regul** 1982 Mar;7(1):89–98

Higher medical training in venereology. Schofield CB. **Br J Vener Dis** 1982 Apr;58(2):86–91

Special doctors for rape victims [letter] Bentovim A. **Br Med J [Clin Res]** 1982 May 29;284(6329):1635

Leicestershire: encouraging specialisation in a general practice. Thew RJ. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):949–51

The impact of ward dynamics on psychiatric consultation and liaison. Gabinet L, et al. **Compr Psychiatry** 1981 Nov-Dec;22(6):603–11

Forensic psychiatry as a subspecialty. Gunn J. **Int J Law Psychiatry** 1982;5(1):65–79

Sex role stereotypes and medical specialty choice. Harris MB, et al. **J Am Med Wom Assoc** 1981 Aug;36(8):245–52

'Things are never what they seem, skim milk masquerades as cream'. Rusca JA, et al. **J Med Assoc Ga** 1982 Feb; 71(2):103–5

Subspecialty training in pediatrics: an academic model. Philips JB 3d, et al. **J Med Educ** 1982 Sep;57(9):720–1

Sex differences in medical specialty preferences. Zimny GH, et al. **J Med Educ** 1982 May;57(5):403–5

Neurosurgical manpower: the physician's viewpoint. Watts C, et al. **J Neurosurg** 1982 May;56(5):609–14

JAMA reference directories. **JAMA** 1982 Jan 22–29; 247(4):437–8, 445, 449 passim

JAMA reference directories. **JAMA** 1982 Apr 23; 247(16):2242–6

JAMA reference directories. **JAMA** 1982 Jul 16; 248(3):299–300, 305

Chest physician innovations keep sandman out of CME [news] Gunby P. **JAMA** 1982 Aug 6;248(5):520

The impact of early specialization on the clinical competence of residents [letter] **N Engl J Med** 1982 Jul 22;307(4):257–8

Special Report. Council of Medical Specialty Societies: CMSS--a national medical federation. Maass L, et al. **N Engl J Med** 1982 Aug 26;307(9):570–2

Health problems encountered by nurse practitioners and physicians. Chen SP, et al. **Nurs Res** 1982 May–Jun; 31(3):163–9

Subspecialties in diagnostic radiology: the road to glory or disaster? [editorial] Margulis AR. **Radiology** 1981 Sep; 140(3):837–8

The division of radiology [editorial] Potts DG. **Radiology** 1981 Sep;140(3):839–40

Interventional radiology – a new subspecialty. Harries-Jones EP. **S Afr Med J** 1982 Apr 17;61(16):585–6

[Differential provision of scientific medical information to the management and specialists in a hospital] Petkova M. **Vutr Boles** 1981;20(6):125–8 (Eng. Abstr.) **(Bul)**

[Sleep and consciousness disorders--a new medical specialty] Roth B. **Cas Lek Cesk** 1981 Sep 17;120(37):1123–4 **(Cze)**

[Conception of sexology in the CSR and preparation of specialists (author's transl)] Janík A, et al. **Cesk Psychiatr** 1982 Feb;78(1):22–6 (Eng. Abstr.) **(Cze)**

[Geriatrics and nursing home medicine] Michels JJ. **Gerontologie** 1981 Nov;12(4):229–32 (Eng. Abstr.) **(Dut)**

[Differential use of specialist services by social class] Philippe A, et al. **Cah Sociol Demogr Med** 1981 Jul–Sep;21(3):135–43 **(Fre)**

[Analysis of referral rate between medical practitioners--a review of the literature] Paccaud F, et al. **Soz Praventivmed** 1981 May;26(1–2):51–7 (Eng. Abstr.) **(Fre)**

[Repeal of the term 'Facharzt' (specialist) not unconstitutional] Rieger HJ. **Dtsch Med Wochenschr** 1982 Aug 27;107(34):1290–2 **(Ger)**

[The specialist for General Medicine as a family physician] Dolberg G. **Z Gesamte Hyg** 1981 Jul 7;27(7):520–2 (Eng. Abstr.) **(Ger)**

[Is traumatologic surgery a specialty? If so, whose?] Kazár G. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(2):158 **(Hun)**

[Problems in integrating the teaching of specialty disciplines in a health and hygiene department] Borisenko NF, et al. **Gig Sanit** 1981 Oct;(10):51–4 **(Rus)**

[Role of the Central Institute of Physician Advanced Training in the postgraduate preparation of specialists in child and adolescent hygiene] Sukharev AG, et al. **Gig Sanit** 1981 Jul;(7):33–5 **(Rus)**

[Occupational pathology as a clinical discipline] Rashevskaia AM, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):1–5 **(Rus)**

[Malaria vector study within the framework of the Special Program for Research and Training in Tropical Diseases] Kashaeva GV, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug; 50(4):20–3 (Eng. Abstr.) **(Rus)**

[Special Program for Research and Training in Tropical Disease. I] Nikolaevskiĭ GP, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):14–20 (Eng. Abstr.) **(Rus)**

[Tropical parasitology problems and an analysis of the activities of the Special Program for Research and Training in Tropical Diseases] Soprunov FF. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):3–14 (Eng. Abstr.) **(Rus)**

[Postgraduate training of gastroenterologists] Belousov AS, et al. **Sov Med** 1981;(7):84–9 **(Rus)**

[Training of specialists in epidemiology in the Ukrainian SSR] Siniak KM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):100–4 **(Rus)**

[Experience in organizing primary specialization in epidemiology] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):116–8 (Eng. Abstr.) **(Rus)**

[The University Clinic of the University of Navarra] Villanueva V. **Rev Med Univ Navarra** 1981 Mar;25(1):53–6 **(Spa)**

ECONOMICS

Specialty budgeting in the new district health authorities. Edwards M, et al. **Br Med J [Clin Res]** 1981 Sep 12; 283(6293):741–3

EDUCATION

[Group hospitalization, a distinctive form of training for medical specialists] Greifeld A, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):178–83 **(Ger)**

HISTORY

Presidential address: a personal testament—reflections on the Tower of Babel. Daly WJ. **J Lab Clin Med** 1982 Jan; 99(1):10–4

MANPOWER

Pulmonary manpower surplus in 1990: a challenge for analysis and planning in 1981. Bates JH. **Am Rev Respir Dis** 1981 Dec;124(6):671–2

Higher Zimbabwean medical degrees and diplomas. **Cent Afr J Med** 1981 Aug;27(8):161

Physician manpower in critical care medicine. Greenbaum DM. **Crit Care Med** 1982 Jun;10(6):407–8

Differences by sex in economic returns associated with physician specialization. Langwell KM. **J Health Polit Policy Law** 1982 Winter;6(4):752–61

Geographic distribution of specialists [letter] Schwartz WB, et al. **N Engl J Med** 1982 Feb 11;306(6):369

Changing patterns of graduate medical education. Steinwachs DM, et al. **N Engl J Med** 1982 Jan 7;306(1):10–4

Serious shortage of hospital specialists [letter] Paterson DE. **NZ Med J** 1981 Aug 12;94(689):108–9

The active medical workforce 1980/81: a report on the Medical Council of New Zealand's annual manpower questionnaire. Salmond GC, et al. **NZ Med J** 1982 Apr 28;95(706):259–62

West Virginia medical doctor supply during the 1980s: an assessment using GMENAC requirements standards. Bosanac EM, et al. **W Va Med J** 1982 Feb;78(2):32–40

[Is pneumology the only 'adult' specialty?] Dautzenberg B, et al. **Rev Fr Mal Respir** 1981;9(6):431–2 **(Fre)**

STANDARDS

Registration of specialists [letter] Anyon CP. **NZ Med J** 1982 Feb 10;95(701):90–1

[Improved special training system for battalion physicians in medical staff interning] Zybov AM. **Voen Med Zh** 1981 Aug;(8):22–4 **(Rus)**

TRENDS

New developments in surgical pathology subspecialization. Wilkerson JA. **Ala J Med Sci** 1981 Jul;18(3):290–2

The first decade: a survey of graduates of the University of Arizona College of Medicine. Heins M, et al. **Ariz Med** 1982 May;39(5):326–9

Child neurology in the United States in 1980. Prensky AL. **Dev Med Child Neurol** 1981 Dec;23(6):810–4

[Medical psychology – a tradition-laden area or the expression of a new development in medicine?] Szewczyk H. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Oct; 33(10):589–96 (Eng. Abstr.) **(Ger)**

[Prospects for including the occupational medicine specialist in the new health structures] Casula D. **Med Lav** 1981 Sep–Oct;72(5):366–73 **(Ita)**

[Current tasks of the health officer's postgraduate education in child and adolescent hygiene in light of the decisions of the 26th CPSU Congress] Sukharev AG, et al. **Gig Sanit** 1982 Jun;(6):4–7 **(Rus)**

SPECIALTIES, NURSING

Rural nursing. Stuart-Burchardt S. **Am J Nurs** 1982 Apr; 82(4):616–8

Controversy over clinical competencies. Canfield AB. **Heart Lung** 1982 May–Jun;11(3):197–9

The motivating potential in nursing specialties. Joiner C, et al. **J Nurs Adm** 1982 Feb;12(2):26–30

Nurse specialization in reproductive endocrinology. Urban DJ, et al. **JOGN Nurs** 1982 May–Jun;11(3):167–70

The role of the nurse clinical research associate in testing a new drug. McGillick KJ, et al. **Nurs Forum** 1980; 19(4):379–84

SPECIALTIES, SURGICAL

The weaning of the complete head and neck surgeon. Chandler JR. **Arch Otolaryngol** 1981 Nov;107(11):653–4

The Joint Committee for Surgery of the Hand. Omer GE. **J Hand Surg** 1982 May;7(3):221–3

Banquet address: Edward N. Brandt, Jr., MD Special Assistant to the Secretary US Department of Health and Human Services. Brandt EN Jr. **J Okla State Med Assoc** 1981 Dec;74(12):399–402

The Pietermaritzburg craniofacial unit. Losken HW, et al. **S Afr Med J** 1982 Aug 7;62(7):203–6

TRENDS

Head and neck oncologic training—where we have been and where we are going [editorial] **Head Neck Surg** 1981 Sep–Oct;4(1):85–6

Society for Vascular Surgery. Presidential address: Vascular surgery— 'A part of the main'. Mannick JA. **Surgery** 1981 Dec;90(6):927–31

SPECIALTY BOARDS see under **CERTIFICATION**

SPECIES SPECIFICITY

Attachment in chicks: effects of companion species on social preferences. Hindman JL. **Dev Psychobiol** 1981 Jan; 14(1):13–8

Vinyl chloride: inhalation teratology study in mice, rats and rabbits. John JA, et al. **Environ Health Perspect** 1981 Oct; 41:171–7

Characterization of antibodies to canine renal renin. Studies of interspecies homology of renin using antibodies as probe. Dzau VJ, et al. **Hypertension** 1982 May–Jun;4(3):341–7

Animal Species in which N-nitroso compounds induce cancer. Bogovski P, et al. **Int J Cancer** 1981;27(4):471–4

Biphasic effects of ethanol on open-field activity: sensitivity and tolerance in C57BL/6N and DBA/2N mice. Crabbe JC Jr, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):440–51

Lithium chloride-induced taste aversion in C57BL/6J and DBA/2J mice. Ingram DK. **J Gen Psychol** 1982 Apr; 106(Second Half):233–49

Type-specific vs. cross-protective vaccination for gram-negative bacterial pneumonia. Pennington JE, et al. **J Infect Dis** 1981 Dec;144(6):599–603

On rethinking allometry. Harvey PH. **J Theor Biol** 1982 Mar 7;95(1):37–41

Hemispheric specialization displayed by man but not macaques for analysis of faces. Overman WH Jr, et al. **Neuropsychologia** 1982;20(2):113–28

Toad and frog rod photocurrents. Conner JD. **Neurosci Lett** 1982 May 28;30(2):113–6

Can genes jump between eukaryotic species? [news] Lewin R. **Science** 1982 Jul 2;217(4554):42–3

Immunohistological demonstration of the same type of pyruvate kinase isoenzyme (M2-Pk) in tumors of chicken and rat. Reinacher M, et al. **Virchows Arch [Cell Pathol]** 1981;37(1):79–88

SPECIFIC PATHOGEN FREE see under **GERM-FREE LIFE**

SPECIMEN HANDLING

Blood storage [letter] Simmons A. **Am J Clin Pathol** 1982 Jan;77(1):116–7

Effect of favourable treatment of samples on indices of performance in external quality assessment schemes. Rumley AG, et al. **Ann Clin Biochem** 1982 May;19(3):171–5

Variables affecting measurement of prothrombin time [letter] Charache S, et al. **Ann Intern Med** 1982 Mar;96(3):378

Prothrombin time [letter] Cooper BA, et al. **Ann Intern Med** 1982 Apr;96(4):535

Collection of blood samples for lipoprotein analysis. Bachorik PS. **Clin Chem** 1982 Jun;28(6):1375–8

Survival of mycobacteria in sputum at different temperatures. Traore I, et al. **Czech Med** 1981;4(4):203–8

The case for routinely testing the first-voided urine specimen. Davidson MB. **Diabetes Care** 1981 May–Jun;4(3):443–4

Errors in bicarbonate concentrations calculated from blood pH and PC02 [letter] Nanji AA, et al. **Heart Lung** 1982 Jul–Aug;11(4):387–8

Effects of time lapse between sputum collection and culturing on isolation of clinically significant fungi. Hariri AR, et al. **J Clin Microbiol** 1982 Mar;15(3):425–8

Complement-fixation test for rotavirus detection: comparison and analysis of different methods to reduce anti-complementary activity of some specimens. Pauri P, et al. **J Virol Methods** 1982 Jan;3(6):329–35

Acetylcholine receptor antibody tests by post [letter] Nicholson GA. **Lancet** 1982 Oct 2;2(8301):777

Urine collection in incontinent patients [letter] Waddell WR. **Lancet** 1982 Aug 14;2(8294):394

Domiciliary and field work: the transport of histopathological specimens by air mail. Jones RL, et al. **Lepr Rev** 1982 Mar; 53(1):67–8

Obtaining sputum for cytology [letter] Melamed MR, et al. **N Engl J Med** 1981 Oct 8;305(15):894–5

Spurious increases in the anion gap due to exposure of serum to air [letter] Nanji AA, et al. **N Engl J Med** 1982 Jul 15;307(3):190–1

Sexual assault kits [letter] Lawton M. **NZ Med J** 1981 Nov 11;94(695):358

Simplified urinary microscopy to detect significant bacteriuria. Corman LI, et al. **Pediatrics** 1982 Jul; 70(1):133–5

Indirect hemagglutination antibody titers for Entamoeba Histolytica in dried filter paper blood and sera. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):69–72

Maintenance of sterility in urinary drainage bags. Desautels RE, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):838–40

Loss of HLA-C locus specificities from stored lymphocytes and de novo synthesis following incubation at 37 degrees C. Loon J, et al. **Tissue Antigens** 1981 Nov;18(5):349–55

Accuracy of dip-slide for processing urine specimens obtained by catheter, cystoscopy, and percutaneous bladder aspiration. Lue YA, et al. **Urology** 1982 Aug;20(2):131–3

[A study on the time of collection of urine specimen for determination of E/C (author's transl)] Cao SY. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):112–5 **(Chi)**

[Method of withdrawal of large quantities of autologous bone marrow from the vertebral bodies of dogs] Svedentsov EP, et al. **Probl Gematol Pereliv Krovi** 1982 Apr;27(4):57–9 **(Rus)**

INSTRUMENTATION

Clinical experience with a new endometrial cell sampling kit (Isaacs curity endometrium cell sampler) in the early detection of endometrial cancer. Feichter GE, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):141–3

Device for continuous urine collection in the newborn [letter] Coulthard MG. **Arch Dis Child** 1982 Apr;57(4):322

Device for continuous urine collection in the newborn. Lund RJ, et al. **Arch Dis Child** 1981 Nov;56(11):880–2

Toxic effect of sampling swabs and transportation test tubes on the formation of intracytoplasmic inclusions of Chlamydia trachomatis in McCoy cell cultures. Mårdh PA, et al. **Br J Vener Dis** 1981 Aug;57(4):268–72

Loss of vacuum in rubber stoppered vials stored in a liquid nitrogen vapor phase freezer. Barbaree JM, et al. **Cryobiology** 1981 Oct;18(5):528–31

Three-dimensional reconstruction of biological sections. Perkins WJ, et al. **J Biomed Eng** 1982 Jan;4(1):37–43

Evaluation of the B-D urine culture kit. Guenther KL, et al. **J Clin Microbiol** 1981 Dec;14(6):628–30

Urine culture transport tubes: effect of sample volume on bacterial toxicity of the preservative. Nickander KK, et al. **J Clin Microbiol** 1982 Apr;15(4):593–5

Swabs and swab-transport media kits in the isolation of upper respiratory bacteria. Ross PW, et al. **J Clin Pathol** 1982 Feb;35(2):223–7

The effect of surface roughness of the trituration pestle and mortar on the dimensional change of some dental amalgams. Batchelor RF, et al. **J Dent** 1981 Dec;9(4):311–7

Porous containers for small biopsy specimens. Colley SJ, et al. **Lancet** 1982 Apr 3;1(8275):773–4

[Instrument for macromicroscopic preparation] Reshetilov VI. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):72 **(Rus)**

[Universal homogenizer with a cooling device] Gosh RI, et al. **Lab Delo** 1982;(5):313–4 **(Rus)**

METHODS

Extraction of dilute ethanol of formaldehyde-fixed dissecting specimens. Björkman N, et al. **Acta Anat (Basel)** 1982; 112(1):1–8

Evaluation of a tissue transport medium for immunological characterization of benign and malignant lymphoid tissues. Giorno R. **Am J Clin Pathol** 1982 Jul;78(1):8–13

Rapid processing of biopsy specimens for examination by electron microscopy. Todd WJ, et al. **Am J Clin Pathol** 1982 Jan;77(1):95–9

Routine and special procedures for processing biopsy specimens of lesions suspected to be malignant melanomas. Mondragon G, et al. **Am J Dermatopathol** 1981 Fall; 3(3):265–72

Methods of processing marrow samples may affect the frequency of detectable aneuploid cells. Waghray M, et al. **Am J Hematol** 1981 Dec;11(4):409–15

Infection control: how to collect specimens and evaluate results. Hargiss CO, et al. **Am J Nurs** 1981 Dec; 81(12):2166–74

Disappearance of calcium and other electrolytes from microvolume samples. Muhlert M, et al. **Am J Physiol** 1982 Feb;242(2):F202–6

Bacteriologic diagnosis of nosocomial pneumonia in primates. Usefulness of the protected specimen brush. Higuchi JH, et al. **Am Rev Respir Dis** 1982 Jan;125(1):53–7

Investigation of clinical methodology for sample collection and processing prior to the reversed-phase liquid chromatographic determination of UV-absorbing plasma constituents. Zakaria M, et al. **Anal Biochem** 1982 Feb; 120(1):25–37

Syringing as a method of cell dispersal. II. Effect on abnormal cells. Lopez PA, et al. **Anal Quant Cytol** 1981 Sep; 3(3):235–8

A comparative study of osteoclasts: in situ versus smear specimens. Ries WL, et al. **Anat Rec** 1982 Jun;203(2):221–32

A novel five-microlitre capillary system for home glucose monitoring. Williams CP, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):304–7

Micropuncture and microperfusion techniques for the study of testicular physiology. Hinton BT, et al. **Ann NY Acad Sci** 1982;383:29–43 (28 ref.)

A note on Martin's method of hair microtechnique for preparing cross section. Das-Chaudhuri AB. **Anthropol Anz** 1981 Jun;39(2):135–7

Antimicrobial resistance transfer in transport media. George BA, et al. **Appl Environ Microbiol** 1981 Sep;42(3):548–9

Survival of genital mycoplasma on various bacteriological swabs and transport media. Busolo F, et al. **Boll Ist Sieroter Milan** 1981;60(1):31–40

Studies on microsomal metabolizing systems for mutagenesis tests. Stability of fortified fractions. Bauer C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1783–8

A technique to prepare asbestos air samples for light and electron microscopy. Pang TW, et al. **Br J Ind Med** 1981 Nov;38(4):389–93

Estimation, prevention, and quality control of carbon dioxide loss during aerobic sample processing. Bandi ZL. **Clin Chem** 1981 Oct;27(10):1676–81

Recommended 'order of draw' for collecting blood specimens into additive-containing tubes [letter] Calam RR, et al. **Clin Chem** 1982 Jun;28(6):1399

Electron microscope specimen preparation of rat liver chromatin by a modified Miller spreading technique. Labhart P, et al. **Eur J Cell Biol** 1981 Jun;24(2):309–16

Relationship of morphologic damage and amino acid uptake in incubated slices of brain. Bracco F, et al. **Exp Neurol** 1982 Jun;76(3):606–22

Laser light-scattering study of the effect of washing on sperm motility. Lee WI, et al. **Fertil Steril** 1982 Jul;38(1):62–7

Endoscopic cultures of the proximal gastrointestinal tract. Knutson NG, et al. **Gastrointest Endosc** 1982 Feb; 28(1):12–4

Nosocomial viral infections: IV. Guidelines for cohort isolation, the communicable disease survey, collection, and transport of specimens for virus isolation, and considerations for the future. Valenti WM, et al. **Infect Control** 1981 May–Jun;2(3):236–45

The white spot target for microscopic examination of nails for fungi. Shelley WB, et al. **J Am Acad Dermatol** 1982 Jan;6(1):92–6

A technique to measure lateral contraction in small biological specimens. Knauss WG, et al. **J Biomech** 1981;14(8):569–75

Preparation of sputum smears for acid-fast microscopy. Goldfogel GA, et al. **J Clin Microbiol** 1981 Oct;14(4):460–1

Comparison of rectal swabs and stool cultures in detecting Campylobacter fetus subsp. jejuni. Kaplan RL, et al. **J Clin Microbiol** 1982 May;15(5):959–60

Comparison of three collection–preservation methods for detection of intestinal parasites. Price DL. **J Clin Microbiol** 1981 Dec;14(6):656–60

Anaerobic survival of clinical isolates and laboratory strains of Neisseria gonorrhoea: use in transfer and storage. Short HB, et al. **J Clin Microbiol** 1982 May;15(5):915–9

A transport method for swab specimens submitted for aerobic and anaerobic bacteriology. Alfa M, et al. **J Clin Pathol** 1982 May;35(5):555–60

A technique for identifying areas of interest human breast tissue before embedding for electron microscopy. Ferguson DJ, et al. **J Clin Pathol** 1981 Oct;34(10):1187–9

An automated technique for the rapid processing breast tissue for subgross examination. Manton SL, et al. **J Clin Pathol** 1981 Oct;34(10):1189–91

Nasal brushing for the study of ciliary ultrastructure. Rutland J, et al. **J Clin Pathol** 1982 Mar;35(3):357–9

Routine preparation of seminal fluid specimens for transmission electron microscopy. Ryder TA, et al. **J Clin Pathol** 1981 Sep;34(9):1006–9

The effect of tannic acid on the preservation of tissue culture cells for scanning electron microscopy. Katsumoto T, et al. **J Electron Microsc (Tokyo)** 1981;30(3):177–82

Quick-freezing and freeze-drying in preparation for high quality morphology and immunocytochemistry at the ultrastructural level: application to pancreatic beta cell. Dudek RW, et al. **J Histochem Cytochem** 1982 Feb; 30(2):129–38

Effect of sample preparation on analysis of superoxide dismutase activity and isoenzymes. Stein TN, et al. **J Inorg Biochem** 1982 Feb;16(1):71–7

A simple method for the handling and orientation of small specimens for electron microscopy. Carson J, et al. **J Microsc** 1982 May;126(Pt 2):201–3

Transfer, observation and analysis of frozen hydrated specimens. Hax WM, et al. **J Microsc** 1982 Jun;126(Pt 3):275–84

Monoamine concentrations in the human brain. A comparison between two methods of tissue handling. Nyberg P, et al. **J Neural Transm** 1982;54(1–2):85–90

Selective sampling of cells for morphological and quantitative cytology of bladder epithelium. Farsund T. **J Urol** 1982 Aug;128(2):267–71

Average urinary excretion of sodium in 24 hours can be estimated from a spot-urine specimen. Kawasaki T, et al. **Jpn Circ J** 1982 Sep;46(9):948–53

Sanitary handling of stool samples [letter] Tougaard L, et al. **Lancet** 1981 Sep 12;2(8246):582

Safer transport of serum samples [letter] Hansman D. **Med J Aust** 1981 Aug 8;2(3):152–3

Sampling of arterialized heated-hand venous blood as a noninvasive technique for the study of ketone body kinetics in man. Sonnenberg GE, et al. **Metabolism** 1982 Jan; 31(1):1–5

Collection of feces for studies of xenobiotic metabolism and disposition. Mathews HB. **Methods Enzymol** 1981;77:31–4

Collection of metabolites in bile and urine from the rat. Mulder GJ, et al. **Methods Enzymol** 1981;77:21–30

Vital-freezing of human muscle cultures for storage and reculture. Carter LS, et al. **Muscle Nerve** 1981 Sep–Oct; 4(5):367–9

Preparation of ocular specimens for histopathologic examination. Torczynski E. **Ophthalmology (Rochester)** 1981 Dec;88(12):1367–71

Exfoliative cytology of the parotid saliva. A new technique for collecting a specimen without aspiration. Syrjänen KJ. **Proc Finn Dent Soc** 1981;77(5):283–7

The ultraplaning technique for SEM specimen preparation. Jones DB. **Scan Electron Microsc** 1981;(Pt 2):77–81

Mounting of biological microsamples on protein coats for TaOTO non-coated scanning electron microscopy. Ohtsuka A, et al. **Scan Electron Microsc** 1981;(Pt 2):83–6, 82

Specimen handling for the assay of adenylates and glycerate 2, 3-bisphosphate in erythrocytes. Ericson A, et al. **Scand J Clin Lab Invest** 1981 Jun;41(4):361–6

Sampling, specimen handling, and isolation techniques in the diagnosis of Chlamydial and other genital infections. Mårdh PA, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4):280–5

[Use of various methods of sampling and various culture media in the isolation of Bordetella bronchiseptica from swine in the field (author's transl)] de Jong MF, et al. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):416–21 (Eng. Abstr.) **(Dut)**

[Optimization of sample splitting in a centralized clinical chemical institute (author's transl)] Sator H, et al. **J Clin Chem Clin Biochem** 1981 Nov;19(11):1107–15 (Eng. Abstr.) **(Ger)**

[Collection and transport of urine samples by filter paper absorption method. The method of the determination of sodium, potassium and creatinine concentration in urine (author's transl)] Takemori K. **Nippon Eiseigaku Zasshi** 1980 Dec;35(5):721–7 (Eng. Abstr.) **(Jpn)**

[Urinary sample collection and physical analysis of the urinary contents (urinary volume, urination frequencies, specific gravity, osmotic pressure, and refractive index)] Orita Y, et al. **Rinsho Byori** 1982 Mar;Suppl 49:7–14 **(Jpn)**

[Choice of the conditions for collecting urine samples for assessing occupational exposure of electric steel plant workers to nickel, chromium, manganese and copper] Baranowska-Dutkiewicz B, et al. **Med Pr** 1981;32(6):451–6 (Eng. Abstr.) **(Pol)**

[Methods of obtaining specimens for biochemical studies of the gastric mucosa] Zwierz K, et al. **Postepy Hig Med Dosw** 1981 Mar–Apr;35(2):189–99 (67 ref.) **(Pol)**

[Our own method of transporting material for microbiological examination] Kostrzewski JM. **Przegl Epidemiol** 1981;35(4):529–31 **(Pol)**

[Method of sampling the alveolar air] Lytkin BG, et al. **Gig Sanit** 1981 Sep;(9):57–8 **(Rus)**

[Method of obtaining bronchial contents from children] Slobozhankin IV, et al. **Pediatriia** 1981 Oct;(10):54 **(Rus)**

[Microbiology of chronic otitis media in children and comparison of 2 technics for obtaining otic secretions] Guiscafré H, et al. **Bol Med Hosp Infant Mex** 1981 Sep–Oct;38(5):749–55 (Eng. Abstr.) **(Spa)**

STANDARDS

Ordering patterns, collection, transport, and screening of sputum cultures in a community hospital: evaluation of methods to improve results. Jacobson JT, et al. **Infect Control** 1981 Jul–Aug;2(4):307–11

Contamination of plasma for fractionation: a design solution [letter] Watt JG, et al. **Lancet** 1982 Apr 17;1(8277):909–10

Pragmatic factors influencing the detection of Neisseria gonorrhoeae. Monif GR, et al. **Obstet Gynecol** 1982 May; 59(5):649–52

VETERINARY

Collection and cultivation in vitro of equine mammary macrophages. Anderson LW, et al. **Am J Vet Res** 1981 Nov;42(11):1956–8

Results of urinalysis and bacterial culture of canine urine obtained by antepubic cystocentesis, catheterization, and the midstream voided methods. Comer KM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):891–5

Effects of storage time and temperature on quantitative culture of canine urine. Padilla J, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1077–81

Effects of physiol and chemical factors on the viability of Mycobacterium paratuberculosis. Richards WD. **J Clin Microbiol** 1981 Nov;14(5):587–8

Urine sampling techniques for captive white-tailed deer. Warren RJ, et al. **J Wildl Dis** 1981 Jul;17(3):479–83

Operative procedure for the collection of rete testis fluid from conscious sheep. Ellery A, et al. **Lab Anim** 1981 Apr; 15(2):187–8

A technique for collection and cultivation of macrophages from Cynomolgus monkeys (Macaca fascicularis). Heisey GB, et al. **Lab Anim Sci** 1981 Dec;31(6):723–5

A technique for obtaining tracheobronchial washings from rhesus monkeys (Macaca mulatta). Ilievski V, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):524–5

An experimental model to study bile and exocrine pancreatic secretion from mice. Maillie AJ, et al. **Lab Anim Sci** 1981 Dec;31(6):707–9

Bile collection and intestinal perfusion in the restrained chicken. Paulson G, et al. **Poult Sci** 1981 Apr;60(4):867–70

Technique for collecting vaginal mucus from cattle. Thornber PM. **Vet Rec** 1981 Dec 19;109(25–26):564

SPECTACLES see **EYEGLASSES**

SPECTINOMYCIN see **ACTINOSPECTACIN**

SPECTRIN see under **MEMBRANE PROTEINS**

SPECTROFLUOROMETRY see **SPECTROMETRY, FLUORESCENCE**

SPECTROMETRY, FLUORESCENCE

Chemical quantitation of hemoglobin glycosylation: fluorometric detection of formaldehyde released upon periodate oxidation of glycoglobin. Gallop PM, et al. **Anal Biochem** 1981 Nov 1;117(2):427–32

Fast- and slow-refolding forms of unfolded ribonuclease A differ in tyrosine fluorescence. Rehage A, et al. **Biochemistry** 1982 Mar 30;21(7):1499–505

Fluorimetric assay for prolinase and partial characterisation in cultured skin fibroblasts. Butterworth J, et al. **Clin Chim Acta** 1982 Jun 16;122(1):51–60

Fluorescence probes specific for the plasma membrane of intact human erythrocytes and lymphocytes. Pettegrew JW, et al. **Life Sci** 1982 Mar 29;30(13):1101–5

In situ microfluorometry of whole kinetoplast and nuclear DNA in a single cell of Trypanosoma gambiense and Trypanosoma cruzi. Inoki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):182–90

[Fluorometric determination of the concentration of gentamicin in the serum of newborn infants with systemic infections] Nekvasil R, et al. **Cesk Pediatr** 1982 Jun; 37(6):349–53 (Eng. Abstr.) **(Cze)**

[Fluorescence study of pyridoxamine-5'-phosphate and pyridoxamine covalently bound to serum albumin] Zavodnik IB, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Jul–Aug;(4):536–42 (Eng. Abstr.) **(Rus)**

[Spectral luminescence studies of cells stained with acrichine derivatives] Kulikov RI, et al. **Tsitologiia** 1982 Jan; 24(1):106–9 (Eng. Abstr.) **(Rus)**

[Spectrofluorometric determination of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in rat diencephalon (author's transl)] Martínez-Conde E, et al. **Rev Esp Fisiol** 1982 Mar;38(1):41–6 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Low-temperature device for fluorimetric studies] Falkov PM, et al. **Biol Nauki** 1981;(10):98–103 **(Rus)**

[Modification of the EF-3MA fluorimeter for determining biogenic amines] Kalmykov VL. **Lab Delo** 1981;(11):695–8 (Eng. Abstr.) **(Rus)**

[Adapter-cassette for luminescent microscopes for the quantitative recording of fluorescence spectra] Kogan AKh, et al. **Patol Fiziol Eksp Ter** 1981 May–Jun;(3):59–61 **(Rus)**

METHODS

Spectrofluorometric analysis of the dissociation of oligomeric macromolecules: correction for the absorption of exciting and emitted light in a side-bottom type fluorometer. Batke J. **Anal Biochem** 1982 Mar 15;121(1):123–8

Diffusion-enhanced fluorescence energy transfer. Stryer L, et al. **Annu Rev Biophys Bioeng** 1982;2:203–22 (32 ref.)

A highly sensitive fluorimetric assay for pyridoxal phosphate phosphatase. Smith GP, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):257–62

Phase-sensitive fluorescence spectroscopy: a new method to resolve fluorescence lifetimes or emission spectra of components in a mixture of fluorophores. Lakowicz JR, et al. **J Biochem Biophys Methods** 1981 Jul;5(1):19–35

Correction of timing errors in photomultiplier tubes used in phase-modulation fluorometry. Lakowicz JR, et al. **J Biochem Biophys Methods** 1981 Sep;5(3):131–46

A spectrometric study of the fluorescence detection of fecal urobilinoids. Lloyd JB, et al. **J Forensic Sci** 1982 Apr; 27(2):352–65 (18 ref.)

Investigation of fading and recovery of fluorescence intensity at 73.5 K. Tiffe HW, et al. **J Microsc** 1982 Jun;126(Pt 3):231–5

Fluorescent probe: diphenylhexatriene. Litman BJ, et al. **Methods Enzymol** 1982;81:678–85

Evaluation of fluorometric assay methods for serotonin in platelets. Plasma and whole blood samples by comparison with GC-MS-SIM Technique. Mumtaz M, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr;36(1):45–60

[Fluorimetry in pharmaceutical analysis. III. Fluorimetric determination of alpha-L-aspartyl-L-phenylalanine methylester hydrochloride (aspartame)] Počtová M, et al. **Cesk Farm** 1982 May;31(3–4):113–5 (Eng. Abstr.) **(Cze)**

[Fluorimetry in pharmaceutical analysis. II. Fluorimetric determination of aspartic acid] Počtová M, et al. **Cesk Farm** 1982 May;31(3–4):110–2 (Eng. Abstr.) **(Cze)**

[Microfluorometry using low temperatures] Tiffe HW. **Acta Histochem [Suppl] (Jena)** 1979;20:51–5 **(Ger)**

[Fluorometric method of determining the zinc content in the blood] Merkulov AI, et al. **Lab Delo** 1981;(10):603–4 (Eng. Abstr.) **(Rus)**

[Spectrofluorometric determination of catecholamines and dihydroxyphenylalanine in 1 sample] Sominskiĭ VN, et al. **Lab Delo** 1982;(1):11–5 (Eng. Abstr.) **(Rus)**

[Fluorimetric determination of serotonin and histamine in one sample] Sominskiĭ VN, et al. **Lab Delo** 1982;(2):104–7 (Eng. Abstr.) **(Rus)**

[Fluorimetric method of analyzing proteinase activity] Gmoshinskiĭ IV, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):138–40 (Eng. Abstr.) **(Rus)**

[Micromethod for the fluorometric determination of the polyamine and putrescine content in animal tissues by thin-layer chromatography on Silufol UV-254 plates] Siatkin SP, et al. **Vopr Med Khim** 1981 Nov–Dec; 27(6):848–51 (Eng. Abstr.) **(Rus)**

SPECTROMETRY, GAMMA

Mössbauer and EPR studies on nitrite reductase from Thiobacillus denitrificans. Huynh BH, et al. **J Biol Chem** 1982 Aug 25;257(16):9576–81

INSTRUMENTATION

Measurement of radioactive tracer microsphere blood flow with NaI (T1)-and Ge-well type detectors. Winkler B, et al. **Basic Res Cardiol** 1982 May-Jun;77(3):292-300

METHODS

Electron density values of various human tissues: in vitro Compton scatter measurements and calculated ranges. Shrimpton PC. **Phys Med Biol** 1981 Sep;26(5):907-11

SPECTROMETRY, MASS see **SPECTRUM ANALYSIS, MASS**

SPECTROMETRY, MASS-GAS CHROMATOGRAPHY see **MASS FRAGMENTOGRAPHY**

SPECTROMETRY, X-RAY EMISSION

X-ray-fluorescence determination of stable iodine in the thyroid gland. A review. Jonckheer MH, et al. **Acta Clin Belg** 1982;37(1):30-40

X-ray spectra vs attenuation data: a theoretical analysis. Baird LC. **Med Phys** 1981 May-Jun;8(3):319-23

Intrinsic fluorescence of some myxo- and paramyxoviruses and of their subviral fractions. Zaharia CN, et al. **Virologie** 1981 Jan-Mar;32(1):29-39

INSTRUMENTATION

External proton beam for X-ray emission analysis of human blood plasma. Räisänen J, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):165-70

Mechanism of soft X-ray radiation damage on glycine by XPS. Tian P, et al. **Sci Sin [B]** 1982 Feb;25(2):176-82

METHODS

A 55Fe excited x-ray fluorescence method for the analysis of Ca content in enamel. Olkkonen H, et al. **Acta Odontol Scand** 1982;40(2):81-5

Application of x-ray fluorescence to the study of iodine distribution and content in the thyroid. Aubert B, et al. **Eur J Nucl Med** 1981;6(9):407-10

Application of proton-induced X-ray emission technique to gunshot residue analyses. Sen P, et al. **J Forensic Sci** 1982 Apr;27(2):330-9

A simple method of x-ray fluorescence analysis in hair. Kubo H. **Phys Med Biol** 1981 Sep;26(5):867-74

On the reduction of background in energy dispersive X-ray fluorescence analysis. Shima K, et al. **Radioisotopes** 1981 May;30(5):278-80

[Measurement of yttrium in work environments by X-ray fluorescence] Altieri A, et al. **Ann Ist Super Sanita** 1981; 17(3):373-8 **(Ita)**

[X-ray fluorescence: an important technic for the analysis of environmental samples] Biancotto R, et al. **Ann Ist Super Sanita** 1981;17(3):369-72 **(Ita)**

[Use of the stable isotopes in life science (IV). Emission spectrometric 15N analysis of amino acids (author's transl)] Ohyama T. **Radioisotopes** 1982 Apr;31(4):212-21 **(Jpn)**

[Use of x-ray spectral analysis with proton excitation for determining the joint presence of chromium, manganese, iron, nickel, cobalt, zinc, germanium, arsenic, mercury, lead and bismuth in aerosol particles] Iskandarov TI, et al. **Gig Sanit** 1982 May;(5):66-8 **(Rus)**

[Emission spectroscopic determination of the 15N in the ammonia and amino acids isolated from biological material] Pisarenko OI, et al. **Vopr Med Khim** 1981 Sep-Oct; 27(5):710-5 (Eng. Abstr.) **(Rus)**

SPECTROMETRY, X-RAY EMISSION, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY EMISSION, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

SPECTROMETRY, X-RAY FLUORESCENCE see **SPECTROMETRY, X-RAY EMISSION**

SPECTROPHOTOMETRY

Measurement of aspartylglucosamine in physiological fluids with an amino acid analyzer: fused peak analysis with dual photometers. Carter RJ, et al. **Anal Biochem** 1981 Sep 15; 116(2):273-9

Microcomputer interface for computer-assisted enzyme kinetic studies with UV--VIS spectrophotometers. Sharp TR, et al. **Anal Biochem** 1981 Sep 15;116(2):545-52

Binding of 2-(4'-hydroxyphenylazo)benzoic acid to bovine serum albumin characterized by optical spectroscopy and equilibrium dialysis. Sakurai T, et al. **J Pharmacobiodyn** 1981 Jan;4(1):65-8

Investigations on vasogenic and cytotoxic brain edema, comparing results from X-ray microanalysis and flame photometry. Hürter T, et al. **Microsc Acta** 1982 Jan; 85(3):285-93

Computed tomography and CSF spectrophotometry. Diagnosis and prognosis in 300 patients with cerebrovascular disease. Söderström CE, et al. **Scand J Rehabil Med** 1981;13(2-3):65-71

[Assessment of maturity of the foetus by means of OD 650 (author's transl)] Bošek V, et al. **Cesk Gynekol** 1982 Jun; 47(5):358-63 **(Cze)**

[Advantages of spectrophotometric reading of ELISA plates for determination of the HBs/anti-HB system] Taliani G, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15;57(21):2111-5 (Eng. Abstr.) **(Ita)**

[Prospects for the introduction of spectral methods into forensic medical casework] Nazarov GN, et al. **Sud Med Ekspert** 1982 Jan-Mar;25(1):30-2 **(Rus)**

[Microspectrophotometric control of the effectiveness of radiation and chemotherapeutic treatment methods in malignant tumors of the laryngeal lymphadenoid ring] Alimetov KhA, et al. **Vestn Otorinolaringol** 1982 Jan-Feb; (1):57-60 (Eng. Abstr.) **(Rus)**

HISTORY

Metallothionein: historical aspects of trace spectrochemical analysis. Fuwa K. **Dev Toxicol Environ Sci** 1982;9:1-10

INSTRUMENTATION

Determination of hydrogenase activity using an anaerobic spectrophotometric device. Fernández VM, et al. **Anal Biochem** 1982 Feb;120(1):85-90

High-pressure spectrometry at subzero temperatures. Hui Bon Hoa G, et al. **Anal Biochem** 1982 Feb;120(1):125-35

A versatile low-temperature stopped-flow instrument compatible with both rapid and slow scanning spectrometers. Van Wart HE, et al. **Anal Biochem** 1981 Nov 1;117(2):410-8

Continuous monitoring of mixed venous oxygen saturation in critically ill patients. Baele PL, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):513-7

A reaction cell with short optical path and oxygen electrode compartment for convenient quantitative determination of oxygen binding by hemoglobin. Horiuchi K, et al. **Int J Biochem** 1982;14(5):359-62

The evaluation of a photometer (the Radiometer OSM2) for the determination of haemoglobin concentration and per cent oxyhaemoglobin and carboxyhaemoglobin in blood. Saloojee Y, et al. **J Med Eng Technol** 1981 Nov; 5(6):298-300

Spectrometer for laser-light scattering measurements of macromolecular and subcellular particle motions. Sattelle DB, et al. **Med Biol Eng Comput** 1982 Jan;20(1):37-43

A field-portable microspectrophotometer. Loew ER. **Methods Enzymol** 1982;81:647-55

[Conversion electron Mössbauer spectrometer equipped with ceramic electron-multiplier detector (author's transl)] Nakagawa H, et al. **Radioisotopes** 1982 Feb;31(2):94-7 **(Jpn)**

[Scanning integrating digital microspectrophotometer] Avtandilov GG, et al. **Arkh Patol** 1982;44(5):76-7 **(Rus)**

[Attachment to serial spectrophotometers for photometry of microquantities of a solution] Noskov VB. **Lab Delo** 1981; (5):315-6 **(Rus)**

METHODS

A continuous spectrophotometric assay for arylsulfatase activity, dependent on the formation of complexes between cupric ions and nitrocatechols. Clark AG, et al. **Anal Biochem** 1981 Dec;118(2):231-9

Use of noninvasive fluorometry and spectrophotometry to study epithelial metabolism and transport. Mandel LJ. **Fed Proc** 1982 Jan;41(1):36-41

A rapid spectrophotometric method for the estimation of phenytoin. Ahmed SN, et al. **Indian J Med Res** 1982 Jan; 75:142-5

A multi-wavelength spectrophotometric method for the simultaneous determination of five haemoglobin derivatives. Zwart A, et al. **J Clin Chem Clin Biochem** 1981 Jul;19(7):457-63

Stray light correction for microspectrophotometric determination of intracellular ion concentration. Zucker RS. **J Neurosci Methods** 1982 May;5(4):389-94

Spectrophotometric determination of cytoplasmic and mitochondrial pH transitions using trapped pH indicators. Thomas JA, et al. **KROC Found Ser** 1981;15:105-23

Non-invasive method of measuring bilirubin levels in newborn infants. Tudehope DI, et al. **Med J Aust** 1982 Feb 20;1(4):165-8

Quantitative microspectrometrical determination of the total protein and total protein-SH content of the nuclei of Ehrlich ascites tumor cells without prior isolation. Nöhammer G, et al. **Microsc Acta** 1981 Sep;85(1):19-24

Transcutaneous bilirubin measurements in full-term infants. Maisels MJ, et al. **Pediatrics** 1982 Sep;70(3):464-7

[Modified Liley method of spectrophotometric analysis of the amniotic fluid in Rh-immunized pregnancy] Matrova Ts. **Akush Ginekol (Sofiia)** 1981;20(4):284-9 (Eng. Abstr.) **(Bul)**

[Microspectralphotometric measurements of textile fibers in light] Hager W, et al. **Beitr Gerichtl Med** 1981;39:151-6 (Eng. Abstr.) **(Ger)**

[Use of differential spectrophotometric and multivariate statistical analysis methods for studying the relationship between blood characteristics and oxidative metabolic indices] Volkov NI, et al. **Biol Nauki** 1981;(11):100-7 **(Rus)**

[Determination of mercaptans and organic sulfides in air by a gas chromatography method with flame-photometry detection] Dmitriev MT, et al. **Gig Sanit** 1981 Aug;(8):56-8 **(Rus)**

[Spectrophotometric determination of toxic surface-active substances in water] Zhebentiaev AI. **Gig Sanit** 1981 Oct; (10):67-8 **(Rus)**

[Mathematical data processing in blood spectrophotometry for determining carboxyhemoglobin] Kravchenko VV. **Sud Med Ekspert** 1981 Jul-Aug;24(3):35-8 (Eng. Abstr.) **(Rus)**

STANDARDS

International Federation of Clinical Chemistry, Scientific Committee, Analytical Section, Expert Panel on Instrumentation. (IFCC Document 1981 Stage 2, Draft 1; 1981-08-01 with a proposal for an IFCC recommendation) Provisional guidelines (1981) for listing specifications of flame emission spectrometers. Bechtler G, et al. **J Clin Chem Clin Biochem** 1982 Apr;20(4):259-61

SPECTROPHOTOMETRY, ATOMIC ABSORPTION

Clinical usefulness of a bone mineral measurement method on the femoral shaft. Sabatier JP, et al. **Calcif Tissue Int** 1982 Jan;34(1):21-8

Analysis of long-range bullet entrance holes by atomic absorption spectrophotometry and scanning electron microscopy. Ravreby M. **J Forensic Sci** 1982 Jan; 27(1):92-112

The determination of lithium in blood serum by atomic absorption spectrophotometry. Scott IM. **J Forensic Sci Soc** 1982 Jan;22(1):41-2

Determination of trace concentrations of lead and nickel in human milk by electrothermal atomisation atomic absorption spectrophotometry and inductively-coupled plasma emission spectroscopy. Rica CC, et al. **Sci Total Environ** 1982 Feb;22(3):193-201

[Peripheral mineral content of bone determined by photon absorption measurements performed in a population group of the Halle region] Fengler F, et al. **Beitr Orthop Traumatol** 1981 Jul;28(7):408-17 (Eng. Abstr.) **(Ger)**

METHODS

The noninvasive determination of bone mineral content by photon absorptiometry. Chesney RW, et al. **Am J Dis Child** 1982 Jul;136(7):578-80

Critical evaluation of a multi-element scheme using plasma emission and hydride evolution atomic-absorption spectrometry for the analysis of plant and animal tissues. Jones JW, et al. **Analyst** 1982 Apr;107(1273):353-77

Zinc in plasma, neutrophils, lymphocytes, and erythrocytes as determined by flameless atomic absorption spectrophotometry. Whitehouse RC, et al. **Clin Chem** 1982 Mar;28(3):475-80

Method for the simultaneous determination of cadmium and zinc in whole blood by atomic absorption spectrophotometry and measurement in normotensive and hypertensive humans. Tulley RT, et al. **Clin Chim Acta** 1982 Jul 1;122(2):189-202

Computer programming for nucleic acid studies. III. Calculated ultraviolet absorption spectra of protected oligodeoxyribonucleotides. Kan L, et al. **Comput Programs Biomed** 1981 Sep-Dec;13(3-4):185-90

Simplified determination of copper, zinc and manganese in plasma and bile by flameless atomic absorption spectrometry. Sekiya T, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):729-39

A microanalytical method for the analysis of gold in biological media by flameless atomic absorption spectroscopy. Sharma RP. **Ther Drug Monit** 1982; 4(2):219-24

[A practical method for the determination of cobalt in urine (author's transl)] Schumacher-Wittkopf E, et al. **Int Arch Occup Environ Health** 1981;49(1):77-81 (Eng. Abstr.) **(Ger)**

[Direct determination of lead in urine with a new micro-method of flame atomic absorption spectroscopy (loop-AAS) (author's transl)] Berndt H, et al. **J Clin Chem Clin Biochem** 1982 Feb;20(2):85-90 (Eng. Abstr.) **(Ger)**

[The direct determination of mercury in urine by cold vapor atomic absorption spectroscopy (author's transl)] Oster O. **J Clin Chem Clin Biochem** 1981 Jul;19(7):471-7 (Eng. Abstr.) **(Ger)**

[Determination of selenium, cadmium, zinc, cobalt, copper and silver by atomic absorption spectrophotometry in aerosols from the work environments in the color TV electronics industry] Carelli G, et al. **Ann Ist Super Sanita** 1981;17(3):505-10 **(Ita)**

[Determination of manganese by nonflame atomic absorption spectrophotometry and blood and serum manganese values in healthy subjects (author's transl)] Okuda M, et al. **Rinsho Byori** 1982 Jan;30(1):93-6 **(Jpn)**

[Determination of plasma tin by flameless atomic absorption spectrometry (author's transl)] Ogihara K, et al. **Sangyo Igaku** 1981 Jul;23(4):420-21 **(Jpn)**

[Method of atomic absorption spectrophotometry for the determination of lead, cadmium, zinc and copper in meat products] Brzozowska B, et al. **Rocz Panstw Zakl Hig** 1981; 32(4):323-6 **(Pol)**

[Atomic absorption determination of cadmium in the air of a work area] Nechiporenko NI, et al.

Gig Tr Prof Zabol 1981 Oct;(10):55–6 **(Rus)**
[Flameless atomic absorption method of determining the mercury content of the blood] Metil' NI, et al. **Lab Delo** 1982;(1):25–6 (Eng. Abstr.) **(Rus)**
[Use of flame emission analysis for measuring the alkaline cation flux across a cell membrane] Vereninov AA, et al. **Tsitologiia** 1982 Jan;24(1):98–103 (Eng. Abstr.) **(Rus)**

STANDARDS

On the optimization of blood lead standards in electrothermal atomization atomic absorption spectrometry. Herber RF, et al. **Clin Chim Acta** 1982 Apr 23;120(3):313–20
International Federation of Clinical Chemistry. Scientific Committee, Analytical Section. Expert Panel on Instrumentation. (IFCC Document 1981 Stage 2, Draft 1; 1981–08–01 with a proposal for an IFCC recommendation). Provisional guidelines (1981) for listing specifications of atomic absorption spectrometers. Epstein MS, et al. **J Clin Chem Clin Biochem** 1982 Apr;20(4):263–6

SPECTROPHOTOMETRY, INFRARED

Observed artifacts due to pellet preparation in IR spectrometry [letter] Bouche RP, et al. **J Pharm Sci** 1981 Aug;70(8):968–9
[Infrared spectra of chemical fractions of Staphylococcus] Vershigora AE, et al. **Mikrobiol Zh** 1981 Jul–Aug; 43(4):482–6 (Eng. Abstr.) **(Rus)**
[Nature of the IR spectra of intact cells of Gram-negative microorganisms] Zhurko NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):47–50 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Near infrared mult-component analysis of parenteral products using the InfraAlyzer 400. Rose JJ, et al. **J Parenter Sci Technol** 1982 Mar–Apr;36(2):71–8

METHODS

[Simultaneous determination of the cholesterol and triglyceride content of the blood plasma by infrared spectroscopy] Balakhovskii IS, et al. **Lab Delo** 1982; (5):281–5 (Eng. Abstr.) **(Rus)**
[Potential use of infrared spectroscopy for the quantitative characterization of the chemical composition of Salmonella typhi preparations] Zhurko NP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):104–7 (Eng. Abstr.) **(Rus)**

SPECTROPHOTOMETRY, ULTRAVIOLET

The thermodynamics of lysozyme denaturation by urea. Characterization of an unfolding intermediate by absorption spectrophotometry in the far and middle ultraviolet region. Hampe OG, et al. **An Acad Bras Cienc** 1981 Mar; 53(1):47–55
Spectrophotometric assay for lysine decarboxylase. Phan AP, et al. **Anal Biochem** 1982 Feb;120(1):193–7
Spectrophotometric assay of NADase-catalyzed reactions. Yost DA, et al. **Anal Biochem** 1981 Sep 15;116(2):374–8
[Ultraviolet spectrophotometry in the control of drugs. XXVII. Prediction of spectral behavior of therapeutic drugs with chromophore phenanthrene rings in their molecules] Kráčmar J, et al. **Cesk Farm** 1982 Jan; 31(1):14–23 (Eng. Abstr.) **(Cze)**
[Absolute emission spectra of commonly used UV-tubes] Pohl J. **Hautarzt** 1981 Sep;32(9):463–6 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

An instrument for action spectrum studies in dermatology. Lamola AA, et al. **Photochem Photobiol** 1982 Feb; 35(2):285–90
[Use of the MUF-8 and MUF-5 microspectrophotometers for 2-wave cytophotometry] Voronova MN, et al. **Tsitologiia** 1982 Jan;24(1):117–9 **(Rus)**

METHODS

Difference spectrophotometry as a probe for small changes in nucleic acid structure. Belli M, et al. **Ann Ist Super Sanita** 1981;17(2):241–54
On-line monitoring of halothane concentration during anesthesia. Nelson K, et al. **Biomed Sci Instrum** 1981;17:1–6
An ultraviolet spectrophotometric procedure for differentiation and quantitation of barbiturates. Walberg CB. **Clin Toxicol** 1981 Aug;18(8):879–85
Prospects and difficulties in the far- and vacuum-ultraviolet spectroscopy of DNA. Földvári I, et al. **J Biochem Biophys Methods** 1982 Feb;5(6):319–27
The application of derivative UV-visible spectroscopy in forensic toxicology. Gill R, et al. **J Forensic Sci Soc** 1982 Apr;22(2):165–71
[Ultraviolet spectrophotometric determination of the benzoic acid content of fruit products, nonalcoholic carbonated drinks and tomato concentrate. I. The characteristics of the method] Sokołowska R. **Rocz Panstw Zakl Hig** 1981; 32(5–6):413–8 (Eng. Abstr.) **(Pol)**
[Spectrophotometric determination of the stichoposide A from the holothurian Stichopus japonicus S] Aminin DL, et al. **Antibiotiki** 1981 Aug;26(8):585–9 (Eng. Abstr.) **(Rus)**
[Experience with using a spectrophotometric method for NR-1 oil solvent in water] Kirillova RP. **Gig Sanit** 1981 Oct;(10):83 **(Rus)**
[Chromatographic and spectrophotometric determination of isonicotinic acid derivatives in biological material] Fartushnyĭ AF. **Sud Med Ekspert** 1981 Oct–Dec;24(4):42–4 **(Rus)**

SPECTROSCOPY see **SPECTRUM ANALYSIS**

SPECTRUM ANALYSIS

Optical properties of muscle tissue in high-energy missile wounds. II. Determination of reflectance at different wavelengths and at different distances from wound channels. Hagelin KW, et al. **Acta Chir Scand [Suppl]** 1982; 508:235–43
Diagnosis of carotid stenosis by bruit spectral analysis. Baker JD. **Am J Surg** 1982 Aug;144(2):207–10
Error in assay due to time dependency of carbon monoxide difference spectrum of reduced yeast cytochrome P-450: slow reduction caused by Triton X-100 present. Azari MR, et al. **Anal Biochem** 1981 Nov 1;117(2):406–9
Identity of peroxy radicals produced from arachidonic acid in oxygenated solutions as studied by pulse radiolysis technique. Rao PS, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1532–6
Spectroscopic studies on pepsin-solubilized vitreous and cartilage collagens. Liang JN, et al. **Curr Eye Res** 1981; 1(3):175–81
Oxidation of methionine by X2.- in aqueous solution and characterization of some S therefore X three-electron bonded intermediates. A pulse radiolysis study. Hiller KO, et al. **Int J Radiat Biol** 1981 Dec;40(6):583–95
Tl2+ and Ag2+ metal-ion-induced oxidation of methionine in aqueous solution. A pulse radiolysis study. Hiller KO, et al. **Int J Radiat Biol** 1981 Dec;40(6):597–604
Computer programs to assist in high resolution thermal denaturation and circular dichroism studies on nucleic acids. Goodman TC, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7033–40
The effects of spectral distribution on x-ray image quality. Duckworth JE, et al. **Oral Surg** 1981 Sep;52(3):314–20
Determination of trace concentrations of lead and nickel in human milk by electrothermal atomisation atomic absorption spectrophotometry and inductively-coupled plasma emission spectroscopy. Rica CC, et al. **Sci Total Environ** 1982 Feb;22(3):193–201
Electron probe and electron energy loss analysis in biology. Somlyo AP, et al. **Ultramicroscopy** 1982;8(1–2):219–33 (122 ref.)
[DNA from the tissues of aging rats has a circular dichroism spectrum analogous to the spectrum of gamma-irradiated DNA] Vilenchik MM, et al. **Dokl Akad Nauk SSSR** 1981; 259(6):1488–91 **(Rus)**
[Prospects for the introduction of spectral methods into forensic medical casework] Nazarov GN, et al. **Sud Med Ekspert** 1982 Jan–Mar;25(1):30–2 **(Rus)**

INSTRUMENTATION

Angioscan: a spectrum analyser for use with ultrasonic Doppler velocimeters. Macpherson PC, et al. **J Med Eng Technol** 1981 Mar;5(2):84–5
[Laser microprobe mass spectrometer (LAMMS) (author's transl)] Matsumoto I. **Seikagaku** 1981;53(2):108–10 **(Jpn)**

METHODS

Optical spectroscopy on damaged muscle tissue in vivo by incident light and in slides of the same areas by transmitted light. Hagelin KW, et al. **Acta Chir Scand [Suppl]** 1982; 508:245–9
Phosphorus nuclear magnetic resonance spectroscopy of cardiac and skeletal muscles. Ingwall JS. **Am J Physiol** 1982 May;242(5):H729–44 (82 ref.)
Simultaneous measurements of sedimentation and diffusion coefficients using photon correlation spectroscopy. Halsall HB, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):136–9
Photochemically induced dynamic nuclear polarization study on flavin adenine dinucleotide and flavoproteins. van Schagen CG, et al. **Biochemistry** 1982 Jan 19;21(2):402–7
Quasi-elastic light-scattering studies of single skeletal muscle fibers. Haskell RC, et al. **Biophys J** 1981 Jan;33(1):39–62
Diffusion coefficients of hemoglobin by intensity fluctuation spectroscopy: effects of varying pH and ionic strength. LaGattuta KJ, et al. **Biophys J** 1981 Jan;33(1):63–79
Direct measurement of Raman spectra of intact lens in a whole eyeball. Mizuno A, et al. **Curr Eye Res** 1981–82; 1(10):609–13
Laser raman spectroscopy of the lens in situ, measured in an anesthetized rabbit. Yu NT, et al. **Curr Eye Res** 1981–82; 1(10):615–8
Organophosphates of the crystalline lens: a nuclear magnetic resonance spectroscopic study. Greiner JV, et al. **Invest Ophthalmol Vis Sci** 1981 Nov;21(5):700–13
Quasi-elastic light scattering of Artemia ribosomes sedimented in a CsCl density gradient. Nieuwenhuysen P, et al. **J Biochem Biophys Methods** 1981 Dec;5(5):279–86
Improved measurement of neutron spectrum from 35 MeV protons on thick beryllium. Ullmann JL, et al. **Med Phys** 1981 May–Jun;8(3):396–7
Differential scattering of circularly polarized light by the helical sperm head from the octopus Eledone cirrhosa. Maestre MF, et al. **Nature** 1982 Aug 19;298(5876):773–4
Emission spectrometric analysis of 15N. Salter DN. **Proc Nutr Soc** 1981 Sep;40(3):335–42 (16 ref.)
[Photoacoustic spectroscopy – a prospective method for evaluating drugs and their effects] Sladký P, et al. **Cesk Farm** 1981 Nov;30(9):310–8 **(Cze)**
[Spectrophotometric method of determination of carboxypeptidase activity] Ksycińska H, et al. **Acta Pol Pharm** 1980;37(6):681–4 (Eng. Abstr.) **(Pol)**
[Picosecond spectroscopy of porphyrin-Ni(II) complexes. Excited electron states and the photodissociation of axial ligands] Chirvonyĭ VS, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1256–60 **(Rus)**
[Determination of the trace element content in geothermal water by emission spectrum analysis] Novikov IuV, et al. **Gig Sanit** 1981 Sep;(9):44–5 **(Rus)**
[Method of spectral analysis for long-term recordings of physiological curves] Nidekker IG. **Kosm Biol Aviakosm Med** 1981;15(3):78–82 **(Rus)**

SPECTRUM ANALYSIS, MASS

Improved sampling system for mass spectrometric measurement of water vapour pressure. Ilsley AH, et al. **Anaesth Intensive Care** 1981 Aug;9(3):271–3
Polyatomic interferences in high-resolution secondary ion mass spectra of biological tissues. Burns MS. **Anal Chem** 1981 Nov;53(13):2149–52
Peptide sequencing using the combination of edman degradation, carboxypeptidase digestion and fast atom bombardment mass spectrometry. Bradley CV, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1223–30
Symposium on mass spectrometry: the search for zero. **Biomed Mass Spectrom** 1981 Sep;8(9):373–473
The use of mass spectrometric data to predict biological activity. Brent DA, et al. **Biomed Mass Spectrom** 1981 Sep; 8(9):440–5
Mass spectrometry in food analysis. Horman I. **Biomed Mass Spectrom** 1981 Sep;8(9):384–9
Symposium on mass spectrometry: the search for zero. Dedication of the Joseph N. Damico Mass Spectrometry Laboratory and the celebration of the seventy-fifth anniversary of the Food and Drug Administration, 15 October 1980. Richmond JB. **Biomed Mass Spectrom** 1981 Sep;8(9):374–5
Remote monitoring by mass spectrometry during anaesthesia. Evaluation of a suitable inlet system. Gordon G, et al. **Br J Anaesth** 1982 Jan;54(1):15–21
Management of hemorrhagic shock with hydroxyethyl starch, total-dose imferon infusion, and mass spectrophotometry. Sassano JJ, et al. **Crit Care Med** 1982 Jul;10(7):484–5
Breath-by-breath VCO2 and VO2 required compensation for transport delay and dynamic response. Noguchi H, et al. **J Appl Physiol** 1982 Jan;52(1):79–84
First Workshop on Liquid Chromatography-Mass Spectrometry. Montreux, October 22–23, 1981. **J Chromatogr** 1982 Apr 9;251(2):91–224
A model system for mass spectrometric sequencing of orthophthalaldehyde peptide derivatives. Larson BR. **Life Sci** 1982 Mar 22;30(12):1003–12
[Improvement of response on transcutaneous gas tension measurement by mass spectrometry (author's transl)] Watanabe Y, et al. **Iyodenshi To Seitai Kogaku** 1981 Jun; 19(3):210–5 (Eng. Abstr.) **(Jpn)**
[Use of the stable isotopes in life science (I). Measurement of natural abundance of the stable isotopes by the mass spectrometer and its application in life science. (author's transl)] Kishima N, et al. **Radioisotopes** 1982 Jan; 31(1):58–67 (48 ref.) **(Jpn)**

HISTORY

The history of mass spectrometry and the search for zero. Beynon JH. **Biomed Mass Spectrom** 1981 Sep;8(9):380–3
Regulatory mass spectrometry. Brumley WC, et al. **Biomed Mass Spectrom** 1981 Sep;8(9):390–6

INSTRUMENTATION

Tandem mass spectrometry in trace toxicant analysis. McLafferty FW. **Biomed Mass Spectrom** 1981 Sep; 8(9):446–8
Extended performance using a high field magnet mass spectrometer. Morris HR, et al. **Biomed Mass Spectrom** 1981 Sep;8(9):463–73
The use of a transportable mass spectrometer for the direct measurement of industrial solvents in breath. Wilson HK, et al. **Biomed Mass Spectrom** 1981 Dec;8(12):606–10
Corrections for the response time and delay of mass spectrometers. Arieli R, et al. **J Appl Physiol** 1981 Dec; 51(6):1417–22
Modified ion-source cage for a clinical mass spectrometer. Beatty P, et al. **Med Biol Eng Comput** 1981 Nov;19(6):770–4
Transcutaneous measurement of arterialized capillary blood PCO2 by a new mass spectrometer inlet system. Lundsgaard JS, et al. **Scand J Clin Lab Invest** 1981 Apr; 41(2):199–202
[A device for studying the dynamic response of a gas analyser (author's transl)] Brès M, et al.

Bull Eur Physiopathol Respir 1981 Nov-Dec;17(6):963-7 (Eng. Abstr.) **(Fre)**

[Development of a double mass spectrometer for the determination of metabolism and inert gas concentrations in blood at two parts of the body (author's transl)] Beste KW, et al. **Biomed Tech (Berlin)** 1982 May;27(5):99-107 (Eng. Abstr.) **(Ger)**

[Determination of the respiratory gas concentration and of pulmonary ventilation volumes by using a mass spectrometer] Levshankov AI, et al. **Vestn Khir** 1981 Oct; 127(10):115-7 **(Rus)**

METHODS

Enhancement of detection for partially methylated alditol acetates by chemical ionization mass spectrometry. Laine RA. **Anal Biochem** 1981 Sep 15;116(2):383-8

Fast-atom-bombardment mass spectrometry. A new technique for the determination of molecular weights and amino acid sequences of peptides. Williams DH, et al. **Biochem J** 1982 Jan 1;201(1):105-17

The technique of LAMMA micro mass spectrometry. Heinen HJ, et al. **Biochem Soc Trans** 1981 Dec;9(6):591-3

Negative chemical ionization mass spectrometry: applications in environmental analytical chemistry. Dougherty RC. **Biomed Mass Spectrom** 1981 Jul;8(7):283-92 (23 ref.)

Combined high performance liquid chromatography mass spectrometry. Games DE. **Biomed Mass Spectrom** 1981 Sep;8(9):454-62

The mass spectra of the trimethylsilyl derivatives of cis- and trans- hexahydrocannabinol and their hydroxy and acid analogues. Harvey DJ. **Biomed Mass Spectrom** 1981 Aug; 8(8):366-72

Studies on the metabolism of procarbazine by mass spectrometry. Kuttab SH, et al. **Biomed Mass Spectrom** 1982 Feb;9(2):78-84

252Californium plasma desorption mass spectrometry. Macfarlane RD. **Biomed Mass Spectrom** 1981 Sep; 8(9):449-53

The mass spectrometry of chlorinated dibenzo-p-dioxins. Mahle NH, et al. **Biomed Mass Spectrom** 1982 Feb; 9(2):45-60 (152 ref.)

Quantitative mass spectrometry. Markey SP. **Biomed Mass Spectrom** 1981 Sep;8(9):426-30

Normalization and reproducibility of mass profiles in the detection of individual differences from urine. Marcuson R, et al. **Clin Chem** 1982 Jun;28(6):1346-8

Detection of externally induced impairments in single bacterial cells by laser microbe mass analysis. Seydel U, et al. **Int J Lepr** 1982 Mar;50(1):90-5

Utilization of direct liquid inlet LC/MS in studies of pharmacological and toxicological importance. Kenyon CN, et al. **J Anal Toxicol** 1981 Sep-Oct;5(5):216-30

Comparative study of field desorption and secondary ion mass spectra for antibiotics. Kambara H, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):67-73

Quantitative selected ion monitoring (QSIM) of drugs and/or drug metabolites in biological matrices. Garland WA, et al. **J Chromatogr Sci** 1981 Aug;19(8):392-434 (613 ref.)

Mass spectrometric assay of stable isotopic enrichment for the estimation of protein turnover in man. Halliday D, et al. **Proc Nutr Soc** 1981 Sep;40(3):321-24 (32 ref.)

Application of pyrolysis mass spectrometry to the classification and identification of mycobacteria. Wieten G, et al. **Rev Infect Dis** 1981 Sep-Oct;3(5):871-7

Weight limit for mass spectroscopy raised [news] Kerr RA. **Science** 1982 Apr 9;216(4542):163, 166

Tandem mass spectrometry. McLafferty FW. **Science** 1981 Oct 16;214(4518):280-7

SPECTRUM ANALYSIS, MASS-GAS CHROMATOGRAPHY see **MASS FRAGMENTOGRAPHY**

SPECTRUM ANALYSIS, RAMAN

The variability of nitro group--protein interaction in the 2,4-dinitrophenyl-binding antibodies M315, M460 and X25 investigated by resonance Raman spectroscopy. Gettins P, et al. **Biochem J** 1981 Jul 1;197(1):119-25

Determination of beta-turn conformation by laser Raman spectroscopy. Ishizaki H, et al. **Biophys J** 1981 Dec; 36(3):509-17

[[Raman spectrum study of nerves during the conduction and blocking of excitation] Maksimov GV, et al. **Dokl Akad Nauk SSSR** 1982;262(5):1272-4 **(Rus)**

METHODS

Analysis of cyclopropenoid fatty acids by Raman spectroscopy. Kint S, et al. **Anal Biochem** 1981 Dec; 118(2):364-70

Resonance Raman microscopy of rod and cone photoreceptors. Barry B, et al. **J Cell Biol** 1982 Aug; 94(2):479-82

[Biological applications of Raman resonance spectroscopy and micro-Raman resonance spectroscopy] Cavagnat R, et al. **Biochimie** 1981 Nov-Dec;63(11-12):927-9 (Eng. Abstr.) **(Fre)**

STANDARDS

New frequency standards from ultra-narrow Raman resonances?[news] Knight P. **Nature** 1982 May 6; 297(5861):16-7

SPEECH

see related
VERBAL BEHAVIOR

The effects of total communication training versus traditional speech training on work articulation in severely mentally retarded individuals. Wells ME. **Appl Res Ment Retard** 1981;2(4):323-33

An experimental investigation of elements involved in the anticipation of public speaking. Boucsein W, et al. **Arch Psychol (Frankf)** 1980;133(2):149-56

Research on tactile communication of speech: a review. Reed CM, et al. **ASHA Monogr** 1982 May;(20):1-23

The comparative effectiveness of heart rate biofeedback, speech skills training, and a combination of both in treating public-speaking anxiety. McKinney ME, et al. **Biofeedback Self Regul** 1982 Mar;7(1):71-87

Teaching vowel articulation with the computer vowel trainer. Methodology and results. Brooks S, et al. **Br J Audiol** 1981 Aug;15(3):151-63

Field trials of a tactile acoustic monitor for the profoundly deaf. Summers IR, et al. **Br J Audiol** 1981 Aug;15(3):195-9

Trilingualism [letter] Kalinowsky LB. **Br J Psychiatry** 1982 Apr;140:435

Bilingual speech: bilateral control? Sussman HM, et al. **Brain Lang** 1982 Jan;15(1):125-42

Talking with computers: synthesis and recognition of speech by machines. Flanagan JL. **IEEE Trans Biomed Eng** 1982 Apr;29(4):223-32

Computerized speech recognition [editorial] Llaurado JG. **Int J Biomed Comput** 1982 Mar;13(2):91-4

Vowel identification: orthographic, perceptual, and acoustic aspects. Assmann PF, et al. **J Acoust Soc Am** 1982 Apr; 71(4):975-89

The role of the gross spectral shape as a perceptual cue to place articulation in initial stop consonants. Blumstein SE, et al. **J Acoust Soc Am** 1982 Jul;72(1):43-50

Short-term release cues to stop-consonant place of articulation in child speech. Chapin C, et al. **J Acoust Soc Am** 1982 Jan;71(1):179-86

Long-term average speech spectra for normal and hearing-imparied adolescents. Formby C, et al. **J Acoust Soc Am** 1982 Jan;71(1):196-202

Some effects of spectral shaping on recognition of speech by hearing-impaired listeners. Kamm CA, et al. **J Acoust Soc Am** 1982 May;71(5):1211-24

Acoustic invariance and the perception of place of articulation: a selective adaptation study. Landahl KL, et al. **J Acoust Soc Am** 1982 May;71(5):1234-41

Obstruent production by hearing-impaired speakers: interarticulator timing and acoustics. McGarr NS, et al. **J Acoust Soc Am** 1982 Jul;72(1):34-42

Synthesis-based recognition of continuous speech. Paliwal KK, et al. **J Acoust Soc Am** 1982 Apr;71(4):1016-24

Fricative-stop coarticulation: acoustic and perceptual evidence. Repp BH, et al. **J Acoust Soc Am** 1982 Jun; 71(6):1562-7

Identification of synthesized [r-w] continua for adult and child speakers. Sharf DJ, et al. **J Acoust Soc Am** 1982 Apr; 71(4):1008-15

Differences between spectral dependencies in auditory and phonetic temporal processing: Relevance to the perception of voicing in initial stops. Summerfield Q. **J Acoust Soc Am** 1982 Jul;72(1):51-61

Stress and rate: differential transformations of articulation. Tuller B, et al. **J Acoust Soc Am** 1982 Jun;71(6):1534-43

Recognition of vowels from information in fricatives: perceptual evidence of fricative-vowel coarticulation. Yeni-Komshian GH, et al. **J Acoust Soc Am** 1981 Oct; 70(4):966-75

Time-compressed speech. Leatherdale P. **J Audiov Media Med** 1981 Jul;4(3):103-4

Phonological process identification of misarticulations of mentally retarded children. Mackay L, et al. **J Commun Disord** 1982 Jun;15(3):243-50

An investigation of the comprehension and production of requests in normal and language-disordered children. Prinz PM. **J Commun Disord** 1982 Mar;15(2):75-93

Language functioning and speech development of six children receiving tracheotomy in infancy. Ross GS. **J Commun Disord** 1982 Mar;15(2):95-111

Cigarette smoking and voice fundamental frequency. Sorensen D, et al. **J Commun Disord** 1982 Mar;15(2):135-44

Speech and language characteristics of genetic syndromes. Sparks SN, et al. **J Commun Disord** 1981 Sep;14(5):411-9

Vocal indicators of psychiatric treatment effects in depressives and schizophrenics. Tolkmitt F, et al. **J Commun Disord** 1982 Jun;15(3):209-22

Attribution of psychological characteristics from masked and unmasked conversations. Welkowitz J, et al. **J Commun Disord** 1981 Sep;14(5):387-97

Semantic-syntactic relations in the oral speech of an autistic adolescent. Layton TL, et al. **J Gen Psychol** 1981 Oct; 105(Second Half):323-4

Communication efficiency of dysarthric speakers as measured by sentence intelligibility and speaking rate. Yorkston KM, et al. **J Speech Hear Disord** 1981 Aug;46(3):296-301

Word-retrieval difficulty and disfluent speech in adult anomic speakers. Brown CS, et al. **J Speech Hear Res** 1981 Sep;24(3):358-65

The temporal reliability of Brown's mean length of utterance (MLU-M) measure with post-stage V Children. Chabon SS, et al. **J Speech Hear Res** 1982 Mar;25(1):124-8

A fluent backward talker. Cowan N, et al. **J Speech Hear Res** 1982 Mar;25(1):48-53

Fundamental frequency characteristics of young Black adults: spontaneous speaking and oral reading. Hudson AI, et al. **J Speech Hear Res** 1982 Mar;25(1):25-8

Acoustic properties of pathologic reiterative utterances: a case study of palilalia. Kent RD, et al. **J Speech Hear Res** 1982 Mar;25(1):95-9

Speaking fundamental frequency characteristics of nonsmoking female adults. Stoicheff ML. **J Speech Hear Res** 1981 Sep;24(3):437-41

Disambiguation of ditropic sentences: acoustic and phonetic cues. Van Lancker D, et al. **J Speech Hear Res** 1981 Sep; 24(3):330-5

Longitudinal studies of disfluencies in two-year-old children. Yairi E. **J Speech Hear Res** 1982 Mar;25(1):155-60

Acetylcysteine and speaking tracheostomy tubes [letter] Shinnick JP, et al. **JAMA** 1981 Oct 16;246(16):1771

How to write (and publish) a medical paper and how to deliver it. Shambaugh GE Jr. **Laryngoscope** 1982 May; 92(5):494-6

Speech and survival [letter] **N Engl J Med** 1982 Feb 25; 306(8):482-3

Speech and survival: tradeoffs between quality and quantity of life in laryngeal cancer. McNeil BJ, et al. **N Engl J Med** 1981 Oct 22;305(17):982-7

A comparison of left- and right-arm movements during speaking. Kimura D, et al. **Neuropsychologia** 1981; 19(6):807-12

Can the full denture improve verbal articulation? Preti G, et al. **Panminerva Med** 1981 Oct-Dec;23(4):235-8

Individual variation in the perception of vowels: implications for a perception-production link. Fox RA. **Phonetica** 1982; 39(1):1-22

On the relationship between vowel height and fundamental frequency: evidence from esophageal speech. Gandour J, et al. **Phonetica** 1981;37(5-6):344-54

Variability of vowel formant frequencies and the quantal theory of speech: a first report. Pisoni DB. **Phonetica** 1981; 37(5-6):285-305

Sonority and syllabicity: acoustic correlates of perception. Price PJ. **Phonetica** 1981;37(5-6):327-43

Statistical relationships among the first three formant frequencies in vowel segments in continuous speech. Sato S, et al. **Phonetica** 1982;39(1):36-46

Early cleft palate repair and speech outcome. Dorf DS, et al. **Plast Reconstr Surg** 1982 Jul;70(1):74-81

Orthographic variations and visual information processing. Hung DL, et al. **Psychol Bull** 1981 Nov;90(3):377-414

Formal speech stylistics and type A behavior in 38 subjects during nonstress interviews. Guggisberg R, et al. **Psychother Psychosom** 1981;36(2):86-91

[Speech improvement following cleft palate repair (author's transl)] Zeng XH. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):241-4 **(Chi)**

[Pharyngeal wall movement during speech (author's transl)] Niimi S. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jul; 84(7):709-20 (Eng. Abstr.) **(Jpn)**

[CT findings in the diagnosis of cerebral dominance for speech (author's transl)] Utsunomiya R, et al. **No To Shinkei** 1981 Aug;33(8):861-7 (Eng. Abstr.) **(Jpn)**

[Modeling the decision process on stress in a 4-syllable speech-like sequence] Malinnikova TG. **Fiziol Zh SSSR** 1981 Jun;67(6):804-8 **(Rus)**

[Voice, word and language] Corvera-Bernardelli J. **Gac Med Mex** 1981 Aug;117(8):313-21 **(Spa)**

DRUG EFFECTS

The effects of various drugs on speech. Gawel MJ. **Br J Disord Commun** 1981 Apr;16(1):51-7 (29 ref.)

PHYSIOLOGY

Automated blood pressure recording: the phenomenon of blood pressure elevations during speech. Malinow KL, et al. **Angiology** 1982 Jul;33(7):474-9

Right-left asymmetry in anterior speech region. Falzi G, et al. **Arch Neurol** 1982 Apr;39(4):239-40

Pharyngeal wall movement during speech. Niimi S. **Auris Nasus Larynx** 1981;8(1):27-34

A personal project to examine the variation of fluency over 150 days. Rose J, et al. **Br J Disord Commun** 1981 Apr; 16(1):11-7

Evidence for paracallosal verbal transfer after callosal section. A possible consequence of bilateral language organization. Gazzaniga MS, et al. **Brain** 1982 Mar;105(Pt 1):53-63

Electromyographic analysis of the upper and lower orbicularis oris muscles in the production of speech. Farret SM, et al. **Electromyogr Clin Neurophysiol** 1982 Jan-Feb; 22(1-2):125-36

Electromyographic analysis of the mentalis and depressor labii inferior muscles in the production of speech. Farret SM, et al. **Electromyogr Clin Neurophysiol** 1982 Jan-Feb; 22(1-2):137-48

A voice of onset time analysis of initial Swiss-German stops. Enstrom DH, et al. **Folia Phoniatr (Basel)** 1981;33(3):137-50

Contrasting glottal stops in Gimi. Lloyd JA, et al. **Folia Phoniatr (Basel)** 1981;33(3):133-6

Blood pressure changes while talking. Lynch JJ, et al. **Isr J Med Sci** 1982 May;18(5):575–9
Temporal patterns of coarticulation: lip rounding. Bell-Berti F, et al. **J Acoust Soc Am** 1982 Feb;71(2):449–54
Lip and jaw interaction during speech: responses to perturbation of lower-lip movement prior to bilabial closure. Folkins JW, et al. **J Acoust Soc Am** 1982 May; 71(5):1225–33
Anticipatory labial coarticulation: experimental, biological, and linguistic variables. Lubker J, et al. **J Acoust Soc Am** 1982 Feb;71(2):437–48
Ultrasonic visualization of tongue motion during speech. Sonies BC, et al. **J Acoust Soc Am** 1981 Sep;70(3):683–6
Speech adaptation to dental prostheses: the former lisper. Hamlet SL, et al. **J Prosthet Dent** 1982 May;47(5):564–9
Humoral influences on human speech: a discussion paper. Critchley EM. **J R Soc Med** 1982 Apr;75(4):258–61
Vocal tract control in Parkinson's disease: phonetic feature analysis of misarticulations. Logemann JA, et al. **J Speech Hear Disord** 1981 Nov;46(4):348–52
Systematic sound preference asa characteristic of phonological disability. Weiner FF. **J Speech Hear Disord** 1981 Aug;46(3):281–6
Ataxic dysarthria: treatment sequences based on intelligibility and prosodic considerations. Yorkston KM, et al. **J Speech Hear Disord** 1981 Nov;46(4):398–404
Muscle activity for jaw closing during speech. Folkins JW. **J Speech Hear Res** 1981 Dec;24(4):601–15
Temporal characteristics related to the discrimination of stutterers' and nonstutterers' speech samples. Prosek RA, et al. **J Speech Hear Res** 1982 Mar;25(1):29–33
Recruitment patterns of motor units in speech production. Smith A, et al. **J Speech Hear Res** 1981 Dec;24(4):567–76
Central auditory function in fluent and disfluent normal speakers. Wynne MK, et al. **J Speech Hear Res** 1982 Mar; 25(1):54–7
Extremes of physique at four and seven years of age and their relationship to speech, language and hearing performance at eight years of age. Fisch RO, et al. **Minn Med** 1981 May;64(5):316–21
Hemispheric contributions to manual communication (signing and finger-spelling). Homan RW, et al. **Neurology (NY)** 1982 Sep;32(9):1020–3
Fourier analysis of covert speech behavior. A progress report. McGuigan FJ, et al. **Pavlov J Biol Sci** 1982 Jan-Mar;17(1):49–52
Left-hemisphere control of oral and brachial movements and their relation to communication. Kimura D. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25; 298(1089):135–49
Perception-production relations in the voicing contrast for initial stops in 3-year-olds. Bailey PJ, et al. **Phonetica** 1981; 37(5–6):377–96
Immediate compensation in bite-block speech. Fowler CA, et al. **Phonetica** 1981;37(5–6):306–26
Cricothyroid activity and control of voicing in Hindi stops and affricates. Prakash Dixit R, et al. **Phonetica** 1981; 37(5–6):397–406
The physiological basis for hypernasality [letter] Warren DW. **Plast Reconstr Surg** 1982 Apr;69(4):722–3
The limitation of exercise ventilation during speech. Doust JH, et al. **Respir Physiol** 1981 Nov;46(2):137–47
Somatosensory feedback mechanisms in tongue and speech muscle movements. Sandyk R. **S Afr Med J** 1981 Dec 26; 60(26):992–3
The interference effect of simultaneous vocalization on manual reaction time. Nakamura R, et al. **Tohoku J Exp Med** 1981 Mar;133(3):285–8
[Adaptation of patients to dental prostheses] Petrović A. **Med Pregl** 1980;33(11–12):493–6 (Eng. Abstr.) **(Scr)**

SPEECH ACOUSTICS see under **SPEECH**

SPEECH, ALARYNGEAL

see related
LARYNX, ARTIFICIAL

Current status of laryngectomee rehabilitation: II. Causes of failure. Gates GA, et al. **Am J Otolaryngol** 1982 Jan-Feb; 3(1):8–14
Current status of laryngectomee rehabilitation: III. understanding of esophageal speech. Ryan W, et al. **Am J Otolaryngol** 1982 Mar-Apr;3(2):91–6
Predicting esophageal speech. Gates GA, et al. **Ann Otol Rhinol Laryngol** 1982 Jul-Aug;91(4 Pt 1):454–7
Selective myotomy for voice restoration after total laryngectomy. Singer MI, et al. **Arch Otolaryngol** 1981 Nov;107(11):670–3
The Singer-Blom voice restoration procedure. Wetmore SJ, et al. **Arch Otolaryngol** 1981 Nov;107(11):674–6
Detailed investigation of alaryngeal speech to elucidate etiology of variation in quality. Kelly DR, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):613–23
On the relationship between vowel height and fundamental frequency: evidence from esophageal speech. Gandour J, et al. **Phonetica** 1981;37(5–6):344–54
A note on pitch control in esophageal speech. Traill A. **S Afr J Commun Disord** 1980;27:95–8
Analysis of voice formed by means of neoglottis phonatoria in patients after total laryngectomy. Novák A, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(3):347–54
[Surgical voice rehabilitation following laryngectomy] Jahnke K. **Fortschr Med** 1982 Jun 3;100(21):994–8 (Eng. Abstr.) **(Ger)**
[Functional results following laryngectomy (author's transl)] Schumann K, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):378–80 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Artificial speech devices. McCormick GP, et al. **Am J Nurs** 1982 Jan;82(1):121–2
Limitations of the Blom-Singer technique for voice restoration. Donegan JO, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct;90(5 Pt 1):495–7
Voice button prosthesis rehabilitation of the laryngectomee. Additional notes. Panje WR, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct;90(5 Pt 1):503–5
Tracheoesophageal puncture for alaryngeal voice restoration. Wood BG, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct; 90(5 Pt 1):492–4
Good tidings for postlaryngectomy speech [news] Korcok M. **JAMA** 1982 Jun 25;247(24):3303–4

METHODS

Further experience with voice restoration after total laryngectomy. Singer MI, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct;90(5 Pt 1):498–502
Observations on surgical rehabilitation of the voice after laryngectomy with Staffieri's method. Tiwari RM, et al. **J Laryngol Otol** 1982 Mar;96(3):241–50
Post-laryngectomy therapy: a communication approach. Alant E. **S Afr J Commun Disord** 1980;27:100–7

PSYCHOLOGY

Current status of laryngectomee rehabilitation: IV. attitudes about laryngectomee rehabilitation should change. Gates GA, et al. **Am J Otolaryngol** 1982 Mar-Apr;3(2):97–103
[Rehabilitation after laryngectomy] Breuninger H. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):267–71 (Eng. Abstr.) **(Ger)**

SPEECH ARTICULATION TESTS see under **SPEECH PRODUCTION MEASUREMENT**

SPEECH DISCRIMINATION see **SPEECH PERCEPTION**

SPEECH DISCRIMINATION TESTS

Audiological results with the cochlear implant. Thielemeir MA, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar-Apr;91(2 Pt 3 Suppl 91):27–34
Patterns in the performance-intensity functions for phonetically balanced word lists and synthetic sentences in aged listeners. Shirinian MJ, et al. **Arch Otolaryngol** 1982 Jan;108(1):15–20
Comparison between central tonal tests and central speech tests in elderly subjects. Bosatra A, et al. **Audiology** 1982; 21(4):334–41
The SISI test: a review. Part I. Buus S, et al. **Audiology** 1982; 21(4):273–93 (78 ref.)
Pilot experiments with a reaction time audiometer. Wright R, et al. **Br J Audiol** 1981 Nov;15(4):275–81
Lateralisation of speech stimuli in young Down's Syndrome children. Hartley XY. **Cortex** 1981 Jul;17(2):241–8
Maturation effects on the synthetic sentence identification-ipsilateral competing message. Decker TN, et al. **Ear Hear** 1981 Jul-Aug;2(4):165–9
Central auditory battery testing in brain stem disease. Hendershot EL, et al. **Laryngoscope** 1981 Nov; 91(11):1801–5
[The position of the microphone in auditory prostheses] Burdo S, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):83–91 **(Fre)**

INSTRUMENTATION

Bone-conducted speech: intelligibility functions and threshold force levels for spondees. Beattie RC, et al. **Am J Otol** 1981 Oct;3(2):109–15

METHODS

Comfortable speech listening levels: effects of competition and instruction. Beattie RC. **Am J Otol** 1982 Jan;3(3):192–9
Vowel discrimination with the single-electrode cochlear implant: a pilot study. Dent LJ. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar-Apr;91(2 Pt 3 Suppl 91):41–6
Comparison of acoustically coupled and mechanically coupled speech. Cook RO, et al. **Audiology** 1981; 20(6):516–29
Filtered word testing in the assessment of children's central auditory abilities. Farrer SM, et al. **Ear Hear** 1981 Nov-Dec;2(6):267–9
Examination of binaural amplification in children. Grimes AM, et al. **Ear Hear** 1981 Sep-Oct;2(5):208–10
Effects of dichotic/diotic versus monotic presentation on speech understanding in noise in elderly hearing-impaired listeners. Kaplan H, et al. **Ear Hear** 1981 Sep-Oct; 2(5):202–7
Performance-intensity functions as a predictor for binaural amplification. Mueller HG, et al. **Ear Hear** 1981 Sep-Oct; 2(5):211–4
The application of an adaptive procedure to the California consonant test for hearing aid evaluation. Tecca JE, et al. **Ear Hear** 1982 Mar-Apr;3(2):72–6
Shortening the Speech Sounds Perception Test. Crockett D, et al. **J Clin Neuropsychol** 1982 Jul;4(2):167–71
Time compressed speech and the listening comprehension of educable mentally retarded students. Zucker SH, et al. **Ment Retard** 1981 Aug;19(4):177–9

STANDARDS

A quantitative examination of the sources of speech discrimination test score variability. Dillon H. **Ear Hear** 1982 Mar-Apr;3(2):51–8 (23 ref.)
Test-retest reliability of a distinctive feature difference test for hearing aid evaluation. Feeney MP, et al. **Ear Hear** 1982 Mar-Apr;3(2):59–65
The effects of sophistication on three threshold tests for subjects with simulated hearing loss. Martin FN, et al. **Ear Hear** 1982 Jan-Feb;3(1):34–6

SPEECH DISORDERS

see related
VELOPHARYNGEAL INSUFFICIENCY

Concepts underlying the development of a computer information retrieval programme for research in communication disorders. Aron ML. **Br J Disord Commun** 1981 Sep;16(2):89–100
The 1981 Carhart Memorial Lecture. Research in communicative disorders: a projection for the next decade. Ward PH. **Ear Hear** 1982 Jan-Feb;3(1):3–11

CHEMICALLY INDUCED

Respiratory dyskinesia and dysarthria from prolonged neuroleptic use: tardive dyskinesia? Faheem AD, et al. **Am J Psychiatry** 1982 Apr;139(4):517–8
Chronic dysarthria and metoclopramide [letter] Walsh TD. **Ann Neurol** 1982 May;11(5):545
Persistent dysarthria with apraxia associated with a combination of lithium carbonate and haloperidol. Bond WS, et al. **J Clin Psychiatry** 1982 Jun;43(6):256–7
Lithium carbonate/fluphenazine decanoate producing irreversible brain damage [letter] Singh SV. **Lancet** 1982 Jul 31;2(8292):278

COMPLICATIONS

Dialysis encephalopathy and osteomalacic bone disease: a case-controlled study. Prior JC, et al. **Am J Med** 1982 Jan; 72(1):33–42
Psychiatric disorder in children with different types of communication disorders. Baker L, et al. **J Commun Disord** 1982 Mar;15(2):113–26

DIAGNOSIS

Dysarthria. Espir ML, et al. **Br J Hosp Med** 1982 Mar; 27(3):269, 273–5
Distributional analyses of an index of nasal coupling (HONC) in simulated hypernasal speech. Horii Y, et al. **Cleft Palate J** 1981 Oct;18(4):279–85
Communication disorders [editorial] Bax M. **Dev Med Child Neurol** 1982 Apr;24(2):139–40
Patterns of dysarthric movements in patients with parkinsonism. Hirose H, et al. **Folia Phoniatr (Basel)** 1981; 33(4):204–15
Communication efficiency of dysarthric speakers as measured by sentence intelligibility and speaking rate. Yorkston KM, et al. **J Speech Hear Disord** 1981 Aug;46(3):296–301
A further analysis for developmental apraxia of speech in children with defective articulation. Williams R, et al. **J Speech Hear Res** 1981 Dec;24(4):496–505
[Clinical syndrome of developmental speech disorders in childhood with special attention to differential diagnostic considerations of developmental speech impairment and brain injuries] Schernikau H, et al. **Padiatr Grenzgeb** 1981; 20(6):363–74 (Eng. Abstr.) **(Ger)**
[Motoscopic-neurological and motometric investigation in children with speech disturbances (author's transl)] Lesigang C, et al. **Padiatr Padol** 1982;17(2):353–60 (Eng. Abstr.) **(Ger)**
[Status of the eye in children with speech disorders] Utkin VF. **Oftalmol Zh** 1981;36(3):188–9 **(Rus)**

ETIOLOGY

Dysarthria due to loss of voluntary respiration [letter] Noda S, et al. **Arch Neurol** 1982 Feb;39(2):132
Disturbances in prosody. A right-hemisphere contribution to language. Weintraub S, et al. **Arch Neurol** 1981 Dec; 38(12):742–4
The supplementary motor region and speech emission. Jonas S. **J Commun Disord** 1981 Sep;14(5):349–73
The thalamus and aphasia, including transcortical aphasia: a review. Jonas S. **J Commun Disord** 1982 Jan;15(1):31–41
A study of speech deterioration in post-lingually deafened adults. Cowie R, et al. **J Laryngol Otol** 1982 Feb; 96(2):101–12
Relation of concentrations of Haemophilus influenzae type b in cerebrospinal fluid to late sequelae of patients with meningitis. Feldman WE, et al. **J Pediatr** 1982 Feb; 100(2):209–12
The otitis prone child. Downs M, et al. **JDBP** 1982 Jun; 3(2):106–13

[Speech and language disorders following adenoidectomy and tonsillectomy (author's transl)] Richstein A. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):351–4 (48 ref.) (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Speech and learning disorders in children with sex chromosome abnormalities. Ratcliffe SG. **Dev Med Child Neurol** 1982 Feb;24(1):80–4

OCCURRENCE

Multidimensional scaling analysis of communicative disorders by race and sex in a mid-south public school system. Stewart JM. **J Commun Disord** 1981 Nov;14(6):467–83

Response to Bountress and Richards [letter] Payne JC, et al. **J Speech Hear Disord** 1981 Nov;46(4):437–40

PHYSIOPATHOLOGY

Observed effects of velopharyngeal orifice size on vowel identification and vowel nasality. Watterson T, et al. **Cleft Palate J** 1981 Oct;18(4):271–8

Speech disorders of Parkinsonism: a review. Critchley EM. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):751–8 (67 ref.)

Pathophysiology of dysarthria in cerebral palsy. Neilson PD, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov; 44(11):1013–9

Systematic sound preference asa characteristic of phonological disability. Weiner FF. **J Speech Hear Disord** 1981 Aug;46(3):281–6

Long-term effects on speech of chronic cerebellar stimulation in cerebral palsy. Wolfe VI, et al. **J Speech Hear Disord** 1981 Aug;46(3):286–90

Acoustic properties of pathologic reiterative utterances: a case study of palilalia. Kent RD, et al. **J Speech Hear Res** 1982 Mar;25(1):95–9

The physiological basis for hypernasality [letter] Warren DW. **Plast Reconstr Surg** 1982 Apr;69(4):722–3

PSYCHOLOGY

Constructive communication failure: the response of speech disordered children to requests for clarification. McCartney E. **Br J Disord Commun** 1981 Dec;16(3):147–57

Prosodic disturbance and neurologic lesion. Kent RD, et al. **Brain Lang** 1982 Mar;15(2):259–91

A practical method for screening psychiatric disorder in children with speech and language disorders. Mattison RE, et al. **J Abnorm Child Psychol** 1982 Mar;10(1):25–32

A unified explanation for the diverse structural deviations reported for adult schizophrenics with disrupted speech. Chaika E. **J Commun Disord** 1982 Jun;15(3):167 (75 ref.)

Prevalence, type, and correlates of psychiatric diagnoses in 200 children with communication disorder. Cantwell DP, et al. **JDBP** 1981 Dec;2(4):131–6

Do dyslexics have difficulty accessing articulatory information? Montgomery D. **Psychol Res** 1981; 43(2):235–43

Phonemic deficits in developmental dyslexia. Snowling MJ. **Psychol Res** 1981;43(2):219–34

[Human communication in the child] Guillermo Ibarra L, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):311–6 **(Spa)**

RADIOGRAPHY

Primary pontine hemorrhage and the dysarthria-clumsy hand syndrome. Tuhrim S, et al. **Neurology (NY)** 1982 Sep; 32(9):1027–8

REHABILITATION

Functional regulator therapy for cleft palate patients. Kerr MP, et al. **Am J Orthod** 1981 Nov;80(5):508–24

Clinical applications of and experiences with a portable, unlimited text-to-speech synthesizer. Rahko KT, et al. **Ear Hear** 1981 Jul–Aug;2(4):177–9

Spontaneous remission of misarticulations. Madison CL. **Percept Mot Skills** 1982 Feb;54(1):135–42

[Medial displacement of the vocal cord by means of partial thyroid cartilage impression (author's transl)] Beck C, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):251–3 (Eng. Abstr.) **(Ger)**

[If no one speaks, no one listens] Fritzell B. **Lakartidningen** 1981 Oct 21;78(43):3801–7 **(Swe)**

THERAPY

Vibrotactile stimulation for intersystemic reorganization in the treatment of apraxia of speech. Rubow RT, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):150–3

Family intervention for inner-city populations. Payne-Johnson JC. **ASHA** 1982 Jan;24(1):33–4

Speech disorder in parkinsonism--usefulness of delayed auditory feedback in selected cases. Downie AW, et al. **Br J Disord Commun** 1981 Sep;16(2):135–9

Speech disorder in Parkinsonism; use of delayed auditory feedback in selected cases [letter] Downie AW, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):852

The speech pathologist and management of children with tracheostomies. Simon B, et al. **J Otolaryngol** 1981 Dec; 10(6):440–8

Ataxic dysarthria: treatment sequences based on intelligibility and prosodic considerations. Yorkston KM, et al. **J Speech Hear Disord** 1981 Nov;46(4):398–404

[Disorders of speech and of swallowing in cerebral palsy. Evaluation of factors involved, therapeutic indications and contraindications (author's transl)] Tardieu G, et al. **Neuropsychiatr Enfance Adolesc** 1981 Nov–Dec; 29(11–12):613–23 (Eng. Abstr.) **(Fre)**

[Multilingualism and speech pathology (author's transl)] Böhme G. **HNO** 1981 Aug;29(8):278–81 (Eng. Abstr.) **(Ger)**

[Effect of sinusoidally modulated currents on the dynamics of echoencephalographic indices in children with cerebral palsy and dysarthrias] Strelkova NI, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1446–9 (Eng. Abstr.) **(Rus)**

[The speech therapist within the neuropsychiatric polyclinic] Mikić D. **Vojnosanit Pregl** 1981 May–Jun;38(3):221–3 **(Scr)**

SPEECH, ESOPHAGEAL see under **SPEECH, ALARYNGEAL**

SPEECH INTELLIGIBILITY

see related

SPEECH PRODUCTION MEASUREMENT

A usable test for the speech intelligibility of deaf talkers. Monsen RB. **Am Ann Deaf** 1981 Oct;126(7):845–52

Bone-conducted speech: intelligibility functions and threshold force levels for spondees. Beattie RC, et al. **Am J Otol** 1981 Oct;3(2):109–15

Amplification bandwidth and speech intelligibility for two listeners with sensorineural hearing loss. Skinner MW, et al. **Audiology** 1982;21(3):251–68

Response bias in the perception of deaf speech by experienced and naive listeners. Gulian E, et al. **Br J Audiol** 1981 Aug; 15(3):165–71

On the use of reaction time as a measure of intelligibility. Pratt RL. **Br J Audiol** 1981 Nov;15(4):253–5

Apprehending schizophrenic discourse: a structural analysis of the listener's task. Hoffman RE, et al. **Brain Lang** 1982 Mar;15(2):207–33

Pediatric speech intelligibility test. II. Effect of receptive language age and chronological age. Jerger S, et al. **Int J Pediatr Otorhinolaryngol** 1981 Apr;3(2):101–18

Paired comparison judgments of relative intelligibility in noise. Studebaker GA, et al. **J Acoust Soc Am** 1982 Jul; 72(1):80–92

Message comprehension as a function of intelligibility and advance knowledge of the topic. Garrett RL, et al. **J Aud Res** 1980 Jan;20(1):71–80

Listener agreement on phonetic segments in early infant vocalizations. Stockman IJ, et al. **J Psycholinguist Res** 1981 Nov;10(6):593–617

Communication efficiency of dysarthric speakers as measured by sentence intelligibility and speaking rate. Yorkston KM, et al. **J Speech Hear Disord** 1981 Aug;46(3):296–301

Ataxic dysarthria: treatment sequences based on intelligibility and prosodic considerations. Yorkston KM, et al. **J Speech Hear Disord** 1981 Nov;46(4):398–404

Observer agreement on disfluency and stuttering. Curlee RF. **J Speech Hear Res** 1981 Dec;24(4):595–600

Disfluencies of normally speaking two-year-old children. Yairi E. **J Speech Hear Res** 1981 Dec;24(4):490–5

The effect of context on the intelligibility of hearing and deaf children's speech. McGarr NS. **Lang Speech** 1981 Jul–Sep;24(PT 3):255–64

[New method for estimating the intelligibility of speech in the presence of noise] Sneppe R. **Electrodiagn Ther** 1981; 18(4):151–67 **(Fre)**

DRUG EFFECTS

Pure-tone and speech intelligibility disturbances in patients with ototoxic disorders. Rejtö K, et al. **Audiology** 1982; 21(2):159–76

PHYSIOLOGY

Speech intelligibility in noise: effects of fluency and hearing protector type. Abel SM, et al. **J Acoust Soc Am** 1982 Mar; 71(3):708–15

Construct validity of direct magnitude estimation and interval scaling of speech intelligibility: evidence from a study of the hearing impaired. Schiavetti N, et al. **J Speech Hear Res** 1981 Sep;24(3):441–5

SPEECH PATHOLOGY

Ratings of professional journals by ASHA members. Goodwin PE. **ASHA** 1982 Mar;24(3):185–9

The pocketbook of the Association: the Economics Department [interview] Griffin KM. **ASHA** 1982 Feb; 24(2):97–101

Professional burnout among speech-language pathologists. Miller MM, et al. **ASHA** 1982 Mar;24(3):177–81

Asha interviews 1982 president Laura Ann Wilber. Wilber LA. **ASHA** 1982 Jan;24(1):13–7

Metalanguage and speech pathology. Lebrun Y, et al. **Br J Disord Commun** 1982 Apr;17(1):21–5

The speech pathologist and management of children with tracheostomies. Simon B, et al. **J Otolaryngol** 1981 Dec; 10(6):440–8

Speech-language pathologists' connotations of stuttering. Ragsdale JD, et al. **J Speech Hear Res** 1982 Mar; 25(1):75–80

ECONOMICS

Facts on the Economic Recovery Tax Act of 1981 for speech-language pathologists and audiologists. Auerbach A. **ASHA** 1982 Feb;24(2):107–8

Economic survival underlies professional survival which underlies public service. Goldman R, et al. **ASHA** 1982 Feb;24(2):103–5

Federal funding agencies and speech-language-hearing. Punch JL, et al. **ASHA** 1982 May;24(5):325–31

EDUCATION

Effects of student clinician feedback on the supervisory conference. Cimorell-Strong JM, et al. **ASHA** 1982 Jan; 24(1):23–9

Readability of introductory speech-language pathology texts. Neal WR Jr. **ASHA** 1982 Feb;24(2):111–4

HISTORY

Analysis and remediation of aphasia in the U.S.S.R: the contribution of A. R. Luria. Hatfield FM. **J Speech Hear Disord** 1981 Nov;46(4):338–47

INSTRUMENTATION

Detecting nasalization using a low-cost miniature accelerometer. Lippmann RP. **J Speech Hear Res** 1981 Sep; 24(3):314–7

[Voice studies using electroglottographic individual curves. A critical evaluation] Unger E, et al. **Folia Phoniatr (Basel)** 1981;33(3):168–80 (Eng. Abstr.) **(Ger)**

SPEECH PERCEPTION

Perceptual selection in dichotic listening. Hede AJ. **Acta Psychol (Amst)** 1981 Dec;49(3):189–200

Evoked potentials to consonant-vowel syllables. Lawson EA, et al. **Acta Psychol (Amst)** 1981 Oct;49(1):17–25

Sign and symbol in children's processing of familiar auditory stimuli. Lamberts F. **Am J Ment Defic** 1981 Nov; 86(3):300–8

How do we focus our attention? Barr RA. **Am J Psychol** 1981 Dec;94(4):591–603

Information processing models--in search of elementary operations. Posner MI, et al. **Annu Rev Psychol** 1982; 33:477–514

Perceptual discrimination of vowels in aphasia. Keller E, et al. **Arch Psychiatr Nervenkr** 1982;231(4):339–57

Auditory evoked potentials to verbal stimuli in health, aphasic, and right hemisphere damaged subjects. Pathway effects and parallels to language processing and attention. Rothenberger A, et al. **Arch Psychiatr Nervenkr** 1982; 231(2):155–70

Differences in speech discrimination in the elderly as a function of type of competing noise: speech-babble or cafeteria. Kaplan H, et al. **Audiology** 1982;21(4):325–33

The degree of control exerted by phobic and non-phobic verbal stimuli over the recognition behaviour of phobic and non-phobic subjects. Burgess IS, et al. **Behav Res Ther** 1981;19(3):233–43

Effects of personality and semantic content of stimuli on augmenting and reducing in the event-related potential. Davidson RJ, et al. **Biol Psychol** 1980 Nov–Dec; 11(3–4):249–55

Mismatch negativity in a phonetic discrimination task. Lawson EA, et al. **Biol Psychol** 1981 Dec;13:281–8

Constructive processes in skilled and less skilled comprehenders' memory for sentences. Oakhill J. **Br J Psychol** 1982 Feb;73(Pt 1):13–20

Modality-specific and supramodal mechanisms of apraxia. De Renzi E, et al. **Brain** 1982 Jun;105(Pt 2):301–12

Aphasic adults' understanding of complex adverbial sentences. Ansell BJ, et al. **Brain Lang** 1982 Jan;15(1):82–91

An investigation of repetition and language processing in a case of conduction aphasia. Caramazza A, et al. **Brain Lang** 1981 Nov;14(2):235–71

Speech production mechanisms in aphasia: a delayed auditory feedback study. Chapin C, et al. **Brain Lang** 1981 Sep; 14(1):106–13

The comprehension of locative prepositions in nonfluent and fluent aphasia. Mack JL. **Brain Lang** 1981 Sep;14(1):81–92

Processing of locatives 'in,' 'on,' and 'under' by aphasic patients: an analysis of the regression hypothesis. Seron X, et al. **Brain Lang** 1981 Sep;14(1):70–80

Ear differences in simple reaction time: the influence of attentional factors. Shadden BB, et al. **Brain Lang** 1981 Sep;14(1):181–9

On the structure of word deafness and mechanisms underlying the fluctuation of disturbances of higher cortical functions. von Stockert TR. **Brain Lang** 1982 May; 16(1):133–46

The role of the right hemisphere in the apprehension of complex linguistic materials. Wapner W, et al. **Brain Lang** 1981 Sep;14(1):15–33

Imagery and verbal encoding in left and right hemisphere damaged patients. Whitehouse PJ. **Brain Lang** 1981 Nov; 14(2):315–32

Performative bias in children's interpretations of ambiguous

referential communications. Ackerman BP. **Child Dev** 1981; 52(4):1224–30

Discrimination of voice onset time by human infants: new findings and implications for the effects of early experience. Aslin RN, et al. **Child Dev** 1981;52(4):1135–45

The perception of the sound of silence in early infancy. Morse PA, et al. **Child Dev** 1982 Feb;53(1):189–95

Semantic and contextual cuing of preschool children's recall. Perlmutter M, et al. **Child Dev** 1981 Sep;52(3):873–81

Development of knowledge about communication: children's evaluations of explicitly ambiguous messages. Singer JB, et al. **Child Dev** 1981;52(4):1211–5

Semantic comprehension in infancy: a signal detection analysis. Thomas DG, et al. **Child Dev** 1981 Sep; 52(3):798–903

Impairment of right brain-damaged patients on a linguistic cognitive task. Cavalli M, et al. **Cortex** 1981 Dec; 17(4):545–55

Lexical meaning: a case report, some striking phenomena, theoretical implications. Deloche G, et al. **Cortex** 1981 Apr; 17(1):147–52

Ear asymmetry in an auditory spatial Stroop task as a function of handedness. Pieters JM. **Cortex** 1981 Oct;17(3):369–80

Ear asymmetry in telephone-listening behavior. Surwillo WW. **Cortex** 1981 Dec;17(4):625–32

Dichotic monitoring as a test of hemispheric dominance in cases of epilepsy. Wale J, et al. **Cortex** 1981 Apr; 17(1):135–40

Immediate free recall of unilateral spoken word lists. Williams SM. **Cortex** 1981 Oct;17(3):465–70

Prediction of aid'ed preferred listening levels for hearing aid gain prescription. Cox RM, et al. **Ear Hear** 1982 Mar–Apr; 3(2):66–71

Hearing aid microphone location effects on speech discrimination in noise. Franks JR, et al. **Ear Hear** 1981 Nov–Dec;2(6).241–50

Temporal factors and the aging auditory system. McCroskey RL, et al. **Ear Hear** 1982 May–Jun;3(3):124–7

Prediction of speech discrimination scores from audiometric data. Marshall L, et al. **Ear Hear** 1981 Jul–Aug;2(4):148–55

Comprehension scores of learning disabled high school student" on aurally presented content. D'Alonzo BJ, et al. **Except Child** 1982 Jan;48(4):375–6

Perception of semantic and syntactic paradigms in dichotic listening. Heeschen C, et al. **Folia Phoniatr (Basel)** 1981; 33(4):242–53

Fundamental frequency characteristics and perceived age of adult male speakers. Horii Y, et al. **Folia Phoniatr (Basel)** 1981;33(4):227–33

Re-examination of the factor structure of the Receptive Language scale of the Luria–Nebraska Neuropsychological Battery. McKay SE, et al. **Int J Neurosci** 1981; 14(3–4):183–8

Effects of environmental noise on the selective hearing abilities of normal and partially deaf subjects, and on experimental animals. Opitz HJ, et al. **Int J Rehabil Res** 1981;4(2):222–3

Perception of contradictory speech by normal and disturbed children at various age levels. McCluskey KW, et al. **J Abnorm Psychol** 1981 Oct;90(5):490–3

Anxiety and perceptual structure: individual differences in neuropsychological function. Tyler SK, et al. **J Abnorm Psychol** 1982 Jun;91(3):210–20

Cross-language study of perception of the oral-nasal distinction. Beddor PS, et al. **J Acoust Soc Am** 1982 Jun; 71(6):1551–61

Measurement of pitch in speech: an implementation of Goldstein's theory of pitch perception. Duifhuis H, et al. **J Acoust Soc Am** 1982 Jun;71(6):1568–80

Discrimination of voice onset time in infancy. Eilers RE, et al. **J Acoust Soc Am** 1981 Oct;70(4):955–65

Developmental differences in identifying and discriminating CV syllables. Elliott LL, et al. **J Acoust Soc Am** 1981 Sep; 70(3):669–77

Some effects of spectral shaping on recognition of speech by hearing-impaired listeners. Kamm CA, et al. **J Acoust Soc Am** 1982 May;71(5):1211–24

Identification of synthesized [r-w] continua for adult and child speakers. Sharf DJ, et al. **J Acoust Soc Am** 1982 Apr; 71(4):1008–15

Comprehension of spoken, written and signed sentences in childhood language disorders. Bishop DV. **J Child Psychol Psychiatry** 1982 Jan;23(1):1–20

Recognition of the familiar words of nursery rhymes by handicapped and non-handicapped infants. Glenn SM, et al. **J Child Psychol Psychiatry** 1982 Jul;23(3):319–27

Shortening the Speech Sounds Perception Test. Crockett D, et al. **J Clin Neuropsychol** 1982 Jul;4(2):167–71

Use of the WISC-R and PPVT-R with mentally retarded children. Naglieri JA. **J Clin Psychol** 1982 Jul;38(3):635–7

Does echoic memory develop? Engle RW, et al. **J Exp Child Psychol** 1981 Dec;32(3):459–73

Performance of dyslexic children on speech perception tests. Godfrey JJ, et al. **J Exp Child Psychol** 1981 Dec; 32(3):401–24

Intermodal perception of expressive behaviors by human infants. Walker AS. **J Exp Child Psychol** 1982 Jun; 33(3):514–35

Can practice result in the ability to divide attention between two complex language tasks? Comment on Hirst et al. Lucas M, et al. **J Exp Psychol [Gen]** 1981 Dec;110(4):495–8

The acoustic correlates of 'speechlike': a use of the suffix effect. Morton J, et al. **J Exp Psychol [Gen]** 1981 Dec; 110(4):568–93

Phonemic restoration: insights from a new methodology. Samuel AG. **J Exp Psychol [Gen]** 1981 Dec;110(4):474–94

Electrodermal responses to attended and nonattended significant stimuli during dichotic listening. Dawson ME, et al. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):315–24

Context independence and phonetic mediation in categorical perception. Healy AF, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):68–80

Perception of anticipatory coarticulation effects in vowel–stop consonant–bowel sequences. Martin JG, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):473–88

Some effects of laboratory training on identification and discrimination of voicing contrasts in stop consonants. Pisoni DB, et al. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):297–314

Automatic and controlled attention processes in auditory target detection. Poltrock SE, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):37–45

The role of bottom-up confirmation in the phonemic restoration illusion. Samuel AG. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1124–31

Individual differences in the classification of stimuli by dimensions. Smith JD, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1132–45

Articulatory rate and perceptual constancy in phonetic perception. Summerfield Q. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1074–95

Generation of visual representations. Yaworsky KB, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):978–84

Decay of auditory memory in vowel discrimination. Crowder RG. **J Exp Psychol [Learn Mem Cogn]** 1982 Mar; 8(2):153–62

Input and distractor modality effects upon the release from proactive interference in children. Tyrrell DJ, et al. **J Genet Psychol** 1981 Dec;139(Second Half):205–20

Conceptual disorder in schizophrenia as a function of encoding orientation. Kay SR. **J Nerv Ment Dis** 1982 Mar; 170(3):154–63

The impairment of verbal semantic memory: a single case study. Coughlan AK, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1079–83

Speech discrimination and effectiveness of hearing aids under listening conditions similar to those of a transit operator. Lee LA, et al. **J Otolaryngol** 1981 Jun;10(3):237–44

The validity and predictive efficiency of the North Carolina Psychoeducational Screening Test. Gorrell RW. **J Pediatr Psychol** 1981 Dec;6(4):435–9

The retrieval of scaled English consonants. Black JW, et al. **J Psycholinguist Res** 1981 Nov;10(6):537–53

A test of interlingual interaction in comprehension by bilinguals. Blair D, et al. **J Psycholinguist Res** 1981 Jul; 10(4):457–67

Effects of clausal structure and word frequency in sentence processing. Dunlap GL, et al. **J Psycholinguist Res** 1981 May;10(3):313–26

Comprehension and production of the /-ez/ plural allomorph. Winitz H, et al. **J Psycholinguist Res** 1981 May; 10(3):259–71

Auditory, visual, and auditory-visual perception of vowels by hearing-impaired children. Hack ZC, et al. **J Speech Hear Res** 1982 Mar;25(1):100–7

Early perceptual strategies for the replication of consonants from polysyllabic lexical models. Klein HB. **J Speech Hear Res** 1981 Dec;24(4):535–51

Effect of noise and reverberation on binaural and monaural word identification by subjects with various audiograms. Nabelek AK, et al. **J Speech Hear Res** 1981 Sep; 24(3):375–83

Effects of stimulus material on the dichotic listening performance of aphasic patients. Niccum N, et al. **J Speech Hear Res** 1981 Dec;24(4):526–34

Children's performance on a binaural fusion task. Plakke BL, et al. **J Speech Hear Res** 1981 Dec;24(4):520–5

Analytic study of the Tadoma method: identification of consonants and vowels by an experienced Tadoma user. Reed CM, et al. **J Speech Hear Res** 1982 Mar;25(1):108–16

Perceptual characteristics of female voices. Batstone S, et al. **Lang Speech** 1981;24(Pt 2):111–23

An experimental study of the relative importance of acoustic parameters for auditory speaker recognition. Brown R. **Lang Speech** 1981 Dec;24(Pt 4):295–310

Perception of speech rate as a function of vocal intensity and frequency. Feldstein S, et al. **Lang Speech** 1981 Dec; 24(Pt 4):387–94

Time compressed speech and the listening comprehension of educable mentally retarded students. Zucker SH, et al. **Ment Retard** 1981 Aug;19(4):177–9

Cerebral asymmetry in word-object matching by appearance and by function. Elias JW, et al. **Neuropsychologia** 1982; 20(2):215–8

The development of language lateralization as measured by dichotic listening. Eling P, et al. **Neuropsychologia** 1981; 19(6):767–73

The lengthy persistence of priming effects in dichotic listening. Hiscock M, et al. **Neuropsychologia** 1982; 20(1):43–53

On Kelly and Orton's 'Dichotic perception of word pairs with mixed image values'. Lambert AJ, et al. **Neuropsychologia** 1982;20(2):209–10

Literacy and hemispheric specialization for language: digit dichotic listening in illiterates. Tzavaras A, et al. **Neuropsychologia** 1981;19(4):565–70

Ocular position in sentence-picture comparisons. Carlson RD, et al. **Percept Mot Skills** 1982 Feb;54(1):291–7

Interaction of sensory feedback: a child-adult comparison of oral sensory and temporal articulatory function. Crary MA, et al. **Percept Mot Skills** 1981 Dec;53(3):979–88

Comparison of comprehension scores of learning disabled high school students for content presented aurally at variable rates of speech. D'Alonzo BJ, et al. **Percept Mot Skills** 1981 Oct;53(2):499–505

Influence of personal characteristics of the speaker on phonetic quality in perception of vowels. Fox RA. **Percept Mot Skills** 1981 Oct;53(2):515–9

Achievement in reading, verbal language, listening comprehension and locus of control of adult illiterates in a volunteer tutorial project. Gold PC, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1243–50

Recognition and recall: an electroencephalographic investigation of hemispheric alpha asymmetries for males and females on perceptual and retrieval tasks. Haynes WO, et al. **Percept Mot Skills** 1981 Aug;53(1):283–90

Alterations in resolution of linguistic ambiguity after cerebral injury in man. Lackne" JR. **Percept Mot Skills** 1982 Feb; 54(1):283–9

Effect of vocal disguise on judgments of speakers' sex and race. Lass NJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1235–40

Effect of vocal disguise on estimations of speakers' ages. Lass NJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1311–5

Effect of listeners' comprehension on judgments of speakers' height and weight. Lass NJ, et al. **Percept Mot Skills** 1981 Oct;53(2):647–53

Effect of vocal disguise on estimations of speakers' heights and weights. Lass NJ, et al. **Percept Mot Skills** 1982 Apr; 54(2):643–9

Hemispheric asymmetries in children. Lewandowski L. **Percept Mot Skills** 1982 Jun;54(3):1011–9

Acquisition of bitransitive sentences in Persian and Chinese: differences between comprehension and production tests. Salili F, et al. **Percept Mot Skills** 1981 Oct;53(2):475–82

Effect of contextual priming in visual vs auditory presentation. Sweidel GB, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1083–6

Shallow and deep phases of comprehension of discourse by children. Weist RM, et al. **Percept Mot Skills** 1982 Feb; 54(1):171–5

Prosodic functions revisited again! Barry WJ. **Phonetica** 1981; 38(5–6):320–40

Individual variation in the perception of vowels: implications for a perception-production link. Fox RA. **Phonetica** 1982; 39(1):1–22

Speech, language, and the vocal-auditory connection. Freedman DA. **Psychoanal Study Child** 1981;36:105–27

Response patterns of children to interrogatives with differing syntactical complexities. Leder SB, et al. **Psychol Rep** 1981 Apr;48(2):671–7

The influence of verbal specifications on ratings of relative properties of pictures. Jörg S, et al. **Psychol Res** 1981; 43(4):361–74

Differences between deaf and hearing adults in task-related EEG asymmetries. Suter S. **Psychophysiology** 1982 Mar; 19(2):124–8

Suffix effects and probe modality in probed recall: implications for readout from sensory memory. Penney CG. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):245–57

Speech recognition performance at loudness discomfort level. Dirks DD, et al. **Scand Audiol** 1981;10(4):239–46

Reactions to binaural hearing aid fitting. Markides A. **Scand Audiol [Suppl]** 1982;15:197–205

A model for the speech-reception threshold in noise without and with a hearing aid. Plomp R, et al. **Scand Audiol [Suppl]** 1982;15:95–111

[Partial acoustic agnosia as a cause of stammering. Possibilities and limits of diagnostic testing methods] von Deuster C. **Fortschr Med** 1982 Jun 24;100(24):1164–8 (Eng. Abstr.) **(Ger)**

[The role of speech sound expectation in categorical perception (author's transl)] Kohn K. **Phonetica** 1981; 38(5–6):309–19 (Eng. Abstr.) **(Ger)**

[The influence of quality and quantity on the perception of stressed vowels in German (author's transl)] Sendlmeier WF. **Phonetica** 1981;38(5–6):291–308 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of the benzodiazepine derivative estazolam in patients with auditory hallucinations. A multicentre double-blind, cross-over study. Lingjaerde O. **Acta Psychiatr Scand** 1982 May;65(5):339–54

Effects of acetylsalicylic acid on speech discrimination. Young LL Jr, et al. **Audiology** 1982;21(4):342–9

PHYSIOLOGY

An electrophysiological correlate of phonemic discrimination. Jacobson GP, et al. **Audiology** 1981; 20(6):480–7

Pure word deafness. Analysis of a case with bilateral lesions and a defect at the prephonemic level. Auerbach SH, et al. **Brain** 1982 Jun;105(Pt 2):271–300

Hemisphere differences in the acquisition and use of descriptive systems. Goldberg E, et al. **Brain Lang** 1981

Sep;14(1):144–73
Cortical blood flow asymmetries during monaural verbal stimulation. Maximilian VA. **Brain Lang** 1982 Jan; 15(1):1–11
Phonological encoding and ideographic reading by the disconnected right hemisphere: two case studies. Zaidel E, et al. **Brain Lang** 1981 Nov;14(2):205–34
Structure of human auditory cortex. II. Axon distributions and morphological correlates of speech perception. Seldon HL. **Brain Res** 1981 Dec 21;229(2):295–310
Maturation effects on the synthetic sentence identification–ipsilateral competing message. Decker TN, et al. **Ear Hear** 1981 Jul–Aug;2(4):165–9
Lateralized differences associated with semantically varied auditory material. Wogan M, et al. **Int J Neurosci** 1981; 14(3–4):163–7
Vowel height and the perception of consonant nasality. Abramson AS, et al. **J Acoust Soc Am** 1981 Aug; 70(2):329–39
Vowel identification: orthographic, perceptual, and acoustic aspects. Assmann PF, et al. **J Acoust Soc Am** 1982 Apr; 71(4):975–89
The role of the gross spectral shape as a perceptual cue to place articulation in initial stop consonants. Blumstein SE, et al. **J Acoust Soc Am** 1982 Jul;72(1):43–50
Vowel duration as a perceptual cue to postvocalic consonant voicing in young children and adults. Krause SE. **J Acoust Soc Am** 1982 Apr;71(4):990–5
Acoustic invariance and the perception of place of articulation: a selective adaptation study. Landahl KL, et al. **J Acoust Soc Am** 1982 May;71(5):1234–41
Monaural and binaural speech perception in reverberation for listeners of various ages. Nábělek AK, et al. **J Acoust Soc Am** 1982 May;71(5):1242–8
Fricative-stop coarticulation: acoustic and perceptual evidence. Repp BH, et al. **J Acoust Soc Am** 1982 Jun; 71(6):1562–7
Duration as a cue to the perception of a phrase boundary. Scott DR. **J Acoust Soc Am** 1982 Apr;71(4):996–1007
Differences between spectral dependencies in auditory and phonetic temporal processing: Relevance to the perception of voicing in initial stops. Summerfield Q. **J Acoust Soc Am** 1982 Jul;72(1):51–61
Recognition of vowels from information in fricatives: perceptual evidence of fricative–vowel coarticulation. Yeni–Komshian GH, et al. **J Acoust Soc Am** 1981 Oct; 70(4):966–75
Dichotic listening by brain-injured adults: observation of divergent test responses. Siegenthaler BM, et al. **J Commun Disord** 1981 Sep;14(5):399–409
The contingent negative variation as an indicator of speech discrimination difficulty. Jacobson GP, et al. **J Speech Hear Res** 1981 Sep;24(3):345–50
Hearing aid with noise-level–controlled selective amplification [letter] Ono H, et al. **Lancet** 1981 Dec 5; 2(8258):1286–7
The relationship between right-handed children's assessed and familial handedness and lateral specialization. Kraft RH. **Neuropsychologia** 1981;19(5):696–705
The processing of speech sounds in a patient with cortical auditory disorder. Miceli G. **Neuropsychologia** 1982; 20(1):5–20
Perception–production relations in the voicing contrast for initial stops in 3-year-olds. Bailey PJ, et al. **Phonetica** 1981; 37(5–6):377–96
Sonority and syllabicity: acoustic correlates of perception. Price PJ. **Phonetica** 1981;37(5–6):327–43
Electromyographic specificity during covert information processing. Cacioppo JT, et al. **Psychophysiology** 1981 Sep; 18(5):518–23
[Principles of temporal processing of spectral information during vowel perception] Chistovich LA, et al. **Fiziol Zh SSSR** 1981 May;67(5):712–9 (Eng. Abstr.) **(Rus)**
[New approach to determining the phonetic similarity of stimuli and its testing in an automated experiment] Chistovich LA, et al. **Fiziol Zh SSSR** 1981 May; 67(5):704–11 (Eng. Abstr.) **(Rus)**
[Pause perception in a speech-like signal] Ventsov AV, et al. **Fiziol Zh SSSR** 1981 May;67(5):720–4 (Eng. Abstr.) **(Rus)**
[Interhemispheric brain asymmetry in speech perception by persons of different age groups and the 'effect of directional attention'] Morozov VP, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):196–9 (Eng. Abstr.) **(Rus)**
[Recognition of the emotional and prosodic characteristics of voice and complex nonverbal sounds by patients with local brain lesions] Tarkhan AU, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1790–5 (Eng. Abstr.) **(Rus)**
[Electroencephalographic correlates of differentiating verbal stimuli during natural human nighttime sleep] Arons EK, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):839–41 **(Rus)**

SPEECH PRODUCTION MEASUREMENT

Toward an empirical rhetoric: some comparisons of expressiveness in poetry readings by authors, English professors, and drama professors. O'Connell DC. **Arch Psychol (Frankf)** 1980;133(2):117–28
On the use of reaction time as a measure of intelligibility. Pratt RL. **Br J Audiol** 1981 Nov;15(4):253–5
An investigation of repetition and language processing in a case of conduction aphasia. Caramazza A, et al. **Brain Lang** 1981 Nov;14(2):235–71
Impairment of right brain–damaged patients on a linguistic cognitive task. Cavalli M, et al. **Cortex** 1981 Dec; 17(4):545–55
Competence and performance in aphasia within a performance model of language. Keller E. **Cortex** 1981 Oct; 17(3):349–56
Analysis of pauses occurring in the speech of children with consistent misarticulations. Deputy PN, et al. **J Commun Disord** 1982 Jan;15(1):43–54
Articulatory rate and perceptual constancy in phonetic perception. Summerfield Q. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1074–95
Comprehension and production of the /–ez/ plural allomorph. Winitz H, et al. **J Psycholinguist Res** 1981 May; 10(3):259–71
Closure of the nasal raw surface in pushback surgery with bilateral musculomucosal flaps from cleft margins and its early speech evaluation. Fujino T, et al. **Keio J Med** 1981 Sep;30(3):125–32
Use of grammatical constraints in reading by young deaf adults as reflected in eye–voice span. Cooley JD. **Lang Speech** 1981 Dec;24(Pt 4):349–62
Verbal perseveration in aphasia. Yamadori A. **Neuropsychologia** 1981;19(4):591–4
Interaction of sensory feedback: a child–adult comparison of oral sensory and temporal articulatory function. Crary MA, et al. **Percept Mot Skills** 1981 Dec;53(3):979–88
Acquisition of bitransitive sentences in Persian and Chinese: differences between comprehension and production tests. Salili F, et al. **Percept Mot Skills** 1981 Oct;53(2):475–82

INSTRUMENTATION

Instrumentation and validity for direct–readout voice onset time measurement. Till JA, et al. **J Commun Disord** 1981 Nov;14(6):507–12

METHODS

A usable test for the speech intelligibility of deaf talkers. Monsen RB. **Am Ann Deaf** 1981 Oct;126(7):845–52
Speech production mechanisms in aphasia: a delayed auditory feedback study. Chapin C, et al. **Brain Lang** 1981 Sep; 14(1):106–13
Language skills in developmentally disabled children. Waterhouse L, et al. **Brain Lang** 1982 Mar;15(2):307–33
Distributional analyses of an index of nasal coupling (HONC) in simulated hypernasal speech. Horii Y, et al. **Cleft Palate J** 1981 Oct;18(4):279–85
A computer program for distinctive feature analysis. Elbert M, et al. **J Commun Disord** 1981 Nov;14(6):519–23
The value of pressure–flow studies for velopharyngeal movement [letter] **Plast Reconstr Surg** 1982 Mar; 69(3):569–71

SPEECH RECEPTION THRESHOLD TEST see under **SPEECH DISCRIMINATION TESTS**

SPEECH SOUNDS see **PHONETICS**

SPEECH THERAPY

see related
VOICE TRAINING

Developing the speech therapy service in day nurseries: a progress report. Bath D. **Br J Disord Commun** 1981 Dec; 16(3):159–73
The relationship between intraoral palatal measurements and articulation improvement with training. Prater RJ, et al. **Br J Disord Commun** 1981 Sep;16(2):111–8
[A modified cleft palate operation by double posterior pharyngeal flap and its effects of voice and speech training (author's transl)] Wang YX. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):111–3 **(Chi)**
[Rehabilitation of aphasic patients (author's transl)] Coekaerts MJ, et al. **Rev Med Brux** 1981 Dec;2(10):919–21 (Eng. Abstr.) **(Fre)**
[When does a child need logopedic therapy?] Full–Scharrer G. **MMW** 1982 Mar 19;124(11):275–6 **(Ger)**
[Motoscopic–neurological and motometric investigation in children with speech disturbances (author's transl)] Lesigang C, et al. **Padiatr Padol** 1982;17(2):353–60 (Eng. Abstr.) **(Ger)**
[Physiopathology and speech therapy of aphasia] Millefiorini M, et al. **Riv Neurol** 1981 Nov–Dec;51(6):373–5 **(Ita)**
[The speech therapist within the neuropsychiatric polyclinic] Mikić D. **Vojnosanit Pregl** 1981 May–Jun;38(3):221–3 **(Scr)**

EDUCATION

Principles and practice of clinical teaching—a need for structure. Pletts M. **Br J Disord Commun** 1981 Sep; 16(2):129–34

HISTORY

[Dr. Eva Sedláček and Czechoslovak phoniatry] Novák A. **Cesk Otolaryngol** 1982 Apr;31(2):68–71 **(Cze)**
[60th anniversary of the founding of Czechoslovak phoniatry by Dr. Miloslav Seeman] Sedláček K. **Cesk Otolaryngol** 1982 Apr;31(2):65–8 **(Cze)**

INSTRUMENTATION

Speech disorder in Parkinsonism; use of delayed auditory feedback in selected cases [letter] Downie AW, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):852

METHODS

The effects of total communication training versus traditional speech training on work articulation in severely mentally retarded individuals. Wells ME. **Appl Res Ment Retard** 1981;2(4):323–33
Glossectomy: a case report. Dworkin JP. **Arch Phys Med Rehabil** 1982 Apr;63(4):182–3
Pedodontic patients with functional speech problems of articulation. Warman E, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):376–9 (22 ref.)
Teaching vowel articulation with the computer vowel trainer. Methodology and results. Brooks S, et al. **Br J Audiol** 1981 Aug;15(3):151–63
Speech therapy for patients with Parkinson's disease. Scott S, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1088
Psychosocial effects of an intensive summer communication program for cleft palate children. Lochman JE, et al. **Child Psychiatry Hum Dev** 1981 Fall;12(1):54–62
The speech pathologist and management of children with tracheostomies. Simon B, et al. **J Otolaryngol** 1981 Dec; 10(6):440–8
A minimal–world–pair model for teaching the linguistic significance of distinctive feature properties. Blache SE, et al. **J Speech Hear Disord** 1981 Aug;46(3):291–6
Response of an agrammatic patient to a syntax stimulation program for aphasia. Helm–Estabrooks N, et al. **J Speech Hear Disord** 1981 Nov;46(4):422–7
[Use of games in speech therapy] Dubois G. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jul–Aug; 102(7–8):321–5 (Eng. Abstr.) **(Fre)**
[Games and therapies] Sourgen JL. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jul–Aug; 102(7–8):327–32 (Eng. Abstr.) **(Fre)**
[Multilingualism and speech pathology (author's transl)] Böhme G. **HNO** 1981 Aug;29(8):278–81 (Eng. Abstr.) **(Ger)**
[An example of rehabilitation of speech by mediation–techniques in aphasia] Romero B. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Dec; 32(12):731–8 (Eng. Abstr.) **(Ger)**
[Logopedic care for persons with hearing defects in Denmark] Bazarov VG, et al. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):85–9 **(Rus)**

SPEECHREADING see **LIPREADING**

SPERM see **SPERMATOZOA**

SPERM AGGLUTINATION

Autoagglutination in ejaculates caused by sperm–agglutinating antibodies. Friberg J. **Am J Reprod Immunol** 1980;1(1):44–8
The isolation of a possible antagglutinin from human semen. Bullimore NJ, et al. **Andrologia** 1981 Sep–Oct;13(5):387–94
Hypothalamo–-pituitary–-gonadal axis and sperm–agglutinating antibodies in infertile men treated for cryptorchidism. Koskimies AI, et al. **Arch Androl** 1982 May;8(3):181–3
A simple assay for human sperm agglutination antibodies. Renton KA, et al. **Arch Androl** 1982 May;8(3):213–6
A new proteinaceous factor participating in the rat ejaculate coagulation–-identification, isolation and function. Schön E, et al. **Biol Reprod** 1982 Jun;26(5):875–84
Influence of blood serum from bulls and heifers on head–to–head agglutination and acrosomal maintenance in bovine spermatozoa. Senger PL, et al. **Biol Reprod** 1981 Sep;25(2):433–7
A clinical application of the sperm agglutination test. Srivannaboon S, et al. **J Med Assoc Thai** 1982 Feb; 65(2):79–81
Agglutination of human spermatozoa by Escherichia coli type 1 pili [letter] Söderström T, et al. **J Urol** 1982 Jul; 128(1):155
Levamisole treatment in male infertility due to spermagglutinins [letter] Luisi M, et al. **Lancet** 1982 Jul 3;2(8288):47
Spermagglutination and spermagglutinating activity of serum and tissue extracts from reproductive organs in male dogs experimentally infected with Brucella canis. Serikawa T, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):469–90
Seminal immunoglobulins, autoagglutination in ejaculates, and infertility in men. Friberg J. **Prog Clin Biol Res** 1981; 70:432–35

DRUG EFFECTS

On mechanisms of head–to–head association in bovine spermatozoa. Lindahl PE, et al. **Biol Reprod** 1981 Aug; 25(1):29–43
Catecholamines in bovine semen. Lindahl PE, et al. **Experientia** 1981;37(8):860–1

SPERM BANKS see under TISSUE BANKS

SPERM CAPACITATION

Capacitation of spermatozoa. Mahadevan M. **Acta Eur Fertil** 1981 Dec;12(4):329–35

Application of interspecies in vitro fertilization in the initial assessment of the infertile couple. Hammond MG, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):340–3

Modification of the sperm membrane during capacitation. O'Rand MG. **Ann NY Acad Sci** 1982;383:392–404 (42 ref.)

Acrosin, proacrosin, and acrosin inhibitor of guinea pig spermatozoa capacitated and acrosome-reacted in vitro. Goodpasture JC, et al. **Biol Reprod** 1981 Aug;25(1):44–55

The correlates of fertilizing capacity in normal fertile men. Aitken RJ, et al. **Fertil Steril** 1982 Jul;38(1):68–76

Capacitation pattern of human spermatozoa. Perreault SD, et al. **Fertil Steril** 1982 Aug;38(2):258–60

Modifications of anionic-lipid domains preceding membrane fusion in guinea pig sperm. Bearer EL, et al. **J Cell Biol** 1982 Mar;92(3):604–15

Sperm capacitation in the Fallopian tube of the hamster and its suppression by endocrine factors. Viriyapanich P, et al. **J Exp Zool** 1981 Sep;217(3):403–7

Spermatozoa of the Atlantic bottlenosed dolphin, Tursiops truncatus. Fleming AD, et al. **J Reprod Fertil** 1981 Nov; 63(2):509–14

Time relations of squirrel monkey (Saimiri sciureus) sperm capacitation and ovum maturation in an in-vitro fertilization system. Kuehl TJ, et al. **J Reprod Fertil** 1982 Jan;64(1):135–7

Absence of species specificity for mammalian sperm capacitation in vivo. Saling PM, et al. **J Reprod Fertil** 1981 Sep;63(1):119–23

Effect of insemination intervals on oviducal sperm storage in turkeys. Christensen VL. **Poult Sci** 1981 Sep; 60(9):2150–6

Timing of fertilization in mammals: sperm cholesterol/phospholipid ratio as a determinant of the capacitation interval. Davis BK. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7560–4

Localization of cholesteryl sulfate in human spermatozoa in support of a hypothesis for the mechanism of capacitation. Langlais J, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7266–70

The possible role of protein-carboxyl methylation in sperm motility and capacitation. Bardin CW, et al. **Prog Clin Biol Res** 1982;87:217–34 (37 ref.)

DRUG EFFECTS

Inhibition of the guinea-pig sperm acrosome reaction by a low molecular weight factor(s) in epididymal fluid and serum. Hyne RV, et al. **J Reprod Fertil** 1982 Jan; 64(1):151–7

SPERM COUNT

A correlation between serum count and concentrations in human seminal plasma and serum. Noci I, et al. **Acta Eur Fertil** 1981 Jun;12(2):193–6

A study of the relationship of motile sperm numbers in cervical mucus 48 hours after artificial insemination with subsequent fertility. Hanson FW, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):85–90

Benefits of the sperm (hamster ova) penetration assay in the evaluation of the infertile couple. Stenchever MA, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):91–6

Within-subject variability and the importance of abstinence period for sperm count, semen volume and pre-freeze and post-thaw motility. Heuchel V, et al. **Andrologia** 1981 Sep–Oct;13(5):479–85

A new approach to quantification of spermatogenesis and its application to germinal cell attrition during human spermiogenesis. Johnson L, et al. **Biol Reprod** 1981 Aug; 25(1):217–26

A re-evaluation of daily sperm output of men. Johnson L. **Fertil Steril** 1982 Jun;37(6):811–6

Quantitative analysis of testicle biopsy: determination of partial obstruction and prediction of sperm count after surgery for obstruction. Silber SJ, et al. **Fertil Steril** 1981 Oct;36(4):480–5

Male fertility potential [letter] Sloan DG. **Fertil Steril** 1982 Jan;37(1):126

Influence of sperm number and seminal plasma on fertility of progestagen-treated sheep in confinement. Langford GA, et al. **J Reprod Fertil** 1982 Jul;65(2):325–9

Sperm numbers and in-vitro fertilisation [letter] Craft I, et al. **Lancet** 1981 Nov 21;2(8256):1165–6

Germ cell-specific decrease of acrosomal proteolytic activity, sperm motility, and number in mitomycin C-treated mice. Ficsor G, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):13–8

Effect of clothing on scrotal temperature in normal men and patients with poor semen. Zorgniotti A, et al. **Urology** 1982 Feb;19(2):176–8

[Changes in the spermiogram in patients irradiated for testicular tumours (author's transl)] Konečný M, et al. **Cesk Radiol** 1982 Mar;36(2):120–3 (Eng. Abstr.) **(Cze)**

[The diagnostic possibilities of the spermiogram] Rodermund OE, et al. **MMW** 1981 May 15;123(20):845–7 **(Ger)**

[Comparative study of the spermogram and hormone levels in fertile and infertile males] Netto Júnior NR, et al. **AMB** 1981 Sep;27(9):264–6 (Eng. Abstr.) **(Por)**

[Study of the ejaculate in cryptorchism] Kuklina MA, et al. **Lab Delo** 1981;(5):271–4 (Eng. Abstr.) **(Rus)**

[Sperm migration in vivo. Morphological study] García JA. **Rev Chil Obstet Ginecol** 1981;46(2):88–93 **(Spa)**

DRUG EFFECTS

Antispermatogenic effect of Ocimum sanctum. Seth SD, et al. **Indian J Exp Biol** 1981 Oct;19(10):975–6

Lack of oxytocin effect on sperm output in oligospermic males. Powers RE, et al. **Urology** 1982 May;19(5):523–4

INSTRUMENTATION

[Evaluation of semen by electronic spermcounter] Pusch H, et al. **Andrologia** 1982 Mar–Apr;14(2):113–7 (Eng. Abstr.) **(Ger)**

METHODS

Effects of dilution rates, animal species and instruments on the spectrophotometric determination of sperm counts. Rondeau M, et al. **Rev Can Biol** 1981 Jun;40(2):173–80

[Sperm determination post coitum in men and women] Kröhn W, et al. **Beitr Gerichtl Med** 1981;39:125–7 (Eng. Abstr.) **(Ger)**

VETERINARY

[Relationships between spermiological, biochemical, endocrinological and fertilizing characteristics of boar ejaculates] Navrátil S, et al. **Vet Med (Praha)** 1981 Sep; 26(9):543–52 (Eng. Abstr.) **(Cze)**

SPERM HEAD see under SPERMATOZOA

SPERM IMMOBILIZING AGENTS

METABOLISM

Sperm motility-inhibiting factor in rat epididymis. Turner TT, et al. **Am J Physiol** 1982 Mar;242(3):R199–203

PHARMACODYNAMICS

Sperm immobilization by dental focus microorganisms. Linossier A, et al. **Andrologia** 1982 May–Jun;14(3):250–5

SPERM MATURATION

Possible participation of glycosyl transferases in the maturation of spermatozoa. Bernal A. **Arch Invest Med (Mex)** 1981;12(4):463–74 (39 ref.) **(Eng, Spa)**

Toluidine blue staining reveals changes in chromatin stabilization of mouse spermatozoa during epididymal maturation and penetration of ova. Krzanowska H. **J Reprod Fertil** 1982 Jan;64(1):97–101

DRUG EFFECTS

Cyclic AMP induces maturation of trout sperm axoneme to initiate motility. Morisawa M, et al. **Nature** 1982 Feb 25; 295(5851):703–4

SPERM MOTILITY

The mechanisms and analysis of sperm migration through cervical mucus. Katz DF, et al. **Adv Exp Med Biol** 1982; 144:319–30 (50 ref.)

Spermatozoal velocity in human cervical mucus measured by laser Doppler velocimetry. Serres C, et al. **Adv Exp Med Biol** 1982;144:331–2

Decreased motility of bull spermatozoa caused by Mycoplasma bovigenitalium. Panangala VS, et al. **Am J Vet Res** 1981 Dec;42(12):2090–3

Relation between motility and adenosinetriphosphate (ATP) in human spermatozoa. Calamera JC, et al. **Andrologia** 1982 May–Jun;14(3):239–41

Motility and morphology of human spermatozoa in split ejaculates. Cohen J, et al. **Andrologia** 1981 Sep–Oct; 13(5):491–8

Isolation of ureaplasma urealyticum from seminal plasma in relation to sperm antibody levels and sperm motility. Hargreave TB, et al. **Andrologia** 1982 May–Jun;14(3):223–7

Within-subject variability and the importance of abstinence period for sperm count, semen volume and pre-freeze and post-thaw motility. Heuchel V, et al. **Andrologia** 1981 Sep–Oct;13(5):479–85

ATP concentration of human spermatozoa: lack of correlation with sperm motility. Levin RM, et al. **Andrologia** 1981 Sep–Oct;13(5):468–72

Transmission electron microscope morphogram of progressive motile sperm cell fraction separated from teratozoospermic human semen. Eltes F, et al. **Arch Androl** 1982 Mar;8(2):129–34

Quantitation of sperm population migration: capillary scanning assay. Morton BE, et al. **Arch Androl** 1981 Nov; 7(3):219–27

Effect of uremic serum on sperm motility: evaluation by multiple exposure photography. Panidis DK, et al. **Arch Androl** 1982 Jun;8(4):307–10

Cyclic nucleotide phosphodiesterase activity in midpiece and tail of buffalo spermatozoa and its role in sperm motility. Bhatnagar SK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):133–9

Relationships of mammalian sperm motility and morphology to hydrodynamic aspects of cell function. Dresdner RD, et al. **Biol Reprod** 1981 Dec;25(5):920–30

Movement characteristics of hamster and guinea pig spermatozoa upon attachment to the zona pellucida. Katz DF, et al. **Biol Reprod** 1981 Nov;25(4):785–91

Movement of bull spermatozoa in cervical mucus. Katz DF, et al. **Biol Reprod** 1981 Dec;25(5):931–7

Influence of blood serum from bulls and heifers on head-to-head agglutination and acrosomal maintenance in bovine spermatozoa. Senger PL, et al. **Biol Reprod** 1981 Sep;25(2):433–7

A cautionary note on the determination of forward motility protein activity with ovine epididymal spermatozoa. Stephens DT, et al. **Biol Reprod** 1981 Dec;25(5):945–9

Half-width scaling of electric field autocorrelation functions of light scattered from bull spermatozoa. Craig T, et al. **Biophys J** 1982 Apr;38(1):71–8

Motility analysis of circularly swimming bull spermatozoa by quasi-elastic light scattering and cinematography. Craig T, et al. **Biophys J** 1982 Apr;38(1):63–70

Locomotion of the filiform sperm of littorina (Gastropoda, Prosobranchia). Buckland-Nicks JA, et al. **Cell Tissue Res** 1981;219(1):27–39

Partial purification of components from fasting human blood serum which stimulate the forward migration of human spermatozoa. Cheng CY, et al. **Experientia** 1982 Apr 15; 38(4):480

Penetration of human ejaculated spermatozoa into human and bovine cervical mucus. I. Correlation between penetration values. Bergman A, et al. **Fertil Steril** 1981 Sep; 36(3):363–7

Migration of fresh and cryopreserved human spermatozoa in polyacrylamide gel. Goldstein MC, et al. **Fertil Steril** 1982 May;37(5):668–74

Induction of the shaking phenomenon by pretreatment of spermatozoa with sera containing antispermatozoal antibodies. Jager S, et al. **Fertil Steril** 1981 Dec; 36(6):784–91

The significance of the Fc part of antispermatozoal antibodies for the shaking phenomenon in the sperm-cervical mucus contact test. Jager S, et al. **Fertil Steril** 1981 Dec; 36(6):792–7

Laser light-scattering study of the effect of washing on sperm motility. Lee WI, et al. **Fertil Steril** 1982 Jul;38(1):62–7

Factors affecting sperm motility. VII. Sperm viability as affected by change of pH and osmolarity of semen and urine specimens. Makler A, et al. **Fertil Steril** 1981 Oct; 36(4):507–11

Factors affecting sperm motility. VIII. Velocity and survival of human spermatozoa as related to temperatures above zero. Makler A, et al. **Int J Androl** 1981 Oct;4(5):559–69

Use of the multiple exposure photography (MEP) method to describe shaking movement of human spermatozoa. Makler A. **Int J Androl** 1981 Oct;4(5):606–8

Investigations into the metabolism of human spermatozoa in relation to penetration capacity. Bernoth E, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):413–9

Sperm migration at different stages of the menstrual cycle. Faúndes A, et al. **Int J Gynaecol Obstet** 1981 Oct; 19(5):361–6

Influence of thawing time and post-thaw temperature on acrosomal maintenance and motility of bovine spermatozoa frozen in .5-ml French straws. Brown JL, et al. **J Anim Sci** 1982 May;54(5):938–44

Evidence that cAMP-dependent protein kinase and a protein factor are involved in reactivation of triton X-100 models of sea urchin and starfish spermatozoa. Ishiguro K, et al. **J Cell Biol** 1982 Mar;92(3):777–82

Caenorhabditis elegans spermatozoan locomotion: amoeboid movement with almost no actin. Nelson GA, et al. **J Cell Biol** 1982 Jan;92(1):121–31

Correlation between post-thaw motility and acrosomal integrity of bovine sperm. Berndtson WE, et al. **J Dairy Sci** 1981 Feb;64(2):346–9

Mouse sperm motility affected by factors in the T/t complex. Tessler S, et al. **J Exp Zool** 1981 Aug;217(2):277–85

Simultaneous measurement by flow cytometry of sperm cell viability and mitochondrial membrane potential related to cell motility. Evenson DP, et al. **J Histochem Cytochem** 1982 Mar;30(3):279–80

Simultaneous assessment of human sperm motility and morphology by videomicrography. Overstreet JW, et al. **J Urol** 1981 Sep;126(3):357–60

Apparatus for the study of motile sperm using microprocessor analysis of scattered laser light. Naylor GP, et al. **Med Biol Eng Comput** 1982 Mar;20(2):207–14

Deficiency of protein-carboxyl methylase in immotile spermatozoa of infertile men. Gagnon C, et al. **N Engl J Med** 1982 Apr 8;306(14):821–5

Is the race not always to the swift? [letter] Zinner NR, et al. **N Engl J Med** 1982 Mar 25;306(12):751

Monoclonal antibodies to tubulin and their effects on the movement of reactivated sea urchin spermatozoa. Asai DJ, et al. **Prog Clin Biol Res** 1982;80:175–80

The possible role of protein-carboxyl methylation in sperm motility and capacitation. Bardin CW, et al. **Prog Clin Biol Res** 1982;87:217–34 (37 ref.)

Activation and reactivated sea urchin spermatozoa. Brokaw CJ. **Prog Clin Biol Res** 1982;80:185–9

Mechanical properties of sperm flagella. Ishijima S, et al.

Prog Clin Biol Res 1982;80:149–52

[Contribution to the evaluation of the motility of human sperm cells (author's transl)] Raboch J, et al. **Cesk Gynekol** 1982 Mar;47(2):130–3 (Eng. Abstr.) **(Cze)**

[Molecular basis of sperm movement (author's transl)] Bouchard P, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):398–406 (Eng. Abstr.) **(Fre)**

[Motility of human spermatozoa (author's transl)] David G, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):391–7 (Eng. Abstr.) **(Fre)**

[Congenital or acquired obstructions of the human epididymis: study of the motility of the spermatozoa above the obstruction] Guerin JF, et al. **Bull Assoc Anat (Nancy)** 1981 Sep;65(190):297–306 (Eng. Abstr.) **(Fre)**

[Evaluation of semen by electronic spermcounter] Pusch H, et al. **Andrologia** 1982 Mar–Apr;14(2):113–7 (Eng. Abstr.) **(Ger)**

[Spermatogram evaluation in cases with Crohn disease] Schramm P, et al. **Andrologia** 1981 Jul–Aug;13(4):352–8 (Eng. Abstr.) **(Ger)**

[Peculiarities of energy–transforming reactions in bull spermatozoa and their relation to vitality] Halangk W, et al. **Arch Exp Veterinarmed** 1981;35(6):855–68 (Eng. Abstr.) **(Ger)**

[Sperm motility as a diagnostic aid (author's transl)] Reich P, et al. **Dermatol Monatsschr** 1981 Jul;167(7):435–9 (Eng. Abstr.) **(Ger)**

[The diagnostic possibilities of the spermiogram] Rodermund OE, et al. MMW 1981 May 15;123(20):845–7 **(Ger)**

[Bovine cervical mucus for the in–vitro human sperm penetration test] Bergman A, et al. **Harefuah** 1981 Jul; 101(1–2):1–4 (Eng. Abstr.) **(Heb)**

[Immotile–cilia syndrome (author's transl)] Ito H, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Feb;73(2):206–10 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Ultrastructure of cervical mucus and sperm penetration during use of a triphasic oral contraceptive. Ulstein M, et al. **Acta Obstet Gynecol Scand [Suppl]** 1982;105:45–9

Effect of temperature, nutrients, calcium, and cAMP on motility of human spermatozoa. Gorus FK, et al. **Am J Physiol** 1982 May;242(5):C304–11

Effect of cAMP, Mn2+, and phosphodiesterase inhibitors on human sperm motility. Cheng CY, et al. **Arch Androl** 1981 Dec;7(4):313–7

Migration of hamster sperm within capillaries: effect of agents elevating cyclic AMP. Morton BE, et al. **Arch Androl** 1981 Nov;7(3):229–35

Arginine induced stimulation of rabbit sperm motility. Radany EW, et al. **Arch Androl** 1981 Dec;7(4):351–5

Cottonseed oil as a vaginal contraceptive. Tso WW, et al. **Arch Androl** 1982 Feb;8(1):11–4

Development of the ability to bind to zonae pellucidae during epididymal maturation: reversible immobilization of mouse–spermatozoa by lanthanum. Saling PM. **Biol Reprod** 1982 Apr;26(3):429–36

Regulation of protein phosphorylation and motility of sperm by cyclic adenosine monophosphate and calcium. Tash JS, et al. **Biol Reprod** 1982 May;26(4):745–63

The inhibitory action of procaine, (+)–propranolol and (+/–)–propranolol on human sperm motility: antagonism by caffeine [letter] Hong CY, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):751–3

Influence of lipid solubility on the sperm immobilizing effect of beta–adrenoceptor blocking drugs. Hong CY, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):269–72

Drugs and sperm [letter] **Br Med J [Clin Res]** 1982 Apr 17; 284(6323):1194

Effects of steroids on the in vitro forward migration of human spermatozoa. Cheng CY, et al. **Contraception** 1981 Aug; 24(2):183–94

Inhibition of the metabolism and motility of human spermatozoa by various alkaloids. Trifunac NP, et al. **Contraception** 1982 Jan;25(1):69–87

Effects of various concentrations of glycerol on post–thaw motility and velocity of human spermatozoa. Pilikian S, et al. **Cryobiology** 1982 Apr;19(2):147–53

Effects of Ca2+ and Mg2+ on motility of sea urchin spermatozoa. Iwasa F, et al. **Experientia** 1981;37(8):861–2

Effect of saliva on sperm motility [letter] Bartolini R. **Fertil Steril** 1982 Feb;37(2):282–3

Vaginal spermicidal activity of gossypol in the Macaca arctoides. Cameron SM, et al. **Fertil Steril** 1982 Feb; 37(2):273–4

THC effects on fructose utilization and sperm motility [letter] Husain S. **Fertil Steril** 1982 Mar;37(3):448

Effects of psychotropic drugs on human sperm motility. Levin RM, et al. **Fertil Steril** 1981 Oct;36(4):503–6

Quantitative analysis of the effects of caffeine on sperm motility and cyclic adenosine 3',5'–monophosphate (AMP) phosphodiesterase. Levin RM, et al. **Fertil Steril** 1981 Dec; 36(6):798–802

Testosterone and gossypol effects on human sperm motility. Ridley AJ, et al. **Fertil Steril** 1981 Nov;36(5):638–42

A critical assessment of the response to caffeine of human sperm motility. Traub AI, et al. **Fertil Steril** 1982 Mar; 37(3):436–7

Effects of purification or split ejaculation of semen and stimulation of spermatozoa by caffeine on their motility and fertilizing ability with the use of zona–free hamster ova. Weeda AJ, et al. **Fertil Steril** 1982 Jun;37(6):817–22

Antispermatogenic effect of Ocimum sanctum. Seth SD, et al. **Indian J Exp Biol** 1981 Oct;19(10):975–6

Effects of amikacin sulfate on the motility of stallion and bull spermatozoa at different temperatures and intervals of storage. Arriola J, et al. **J Anim Sci** 1982 Jun; 54(6):1105–10

The role of calcium in maintaining motility in mouse spermatozoa. Heffner LJ, et al. **J Exp Zool** 1981 Dec; 218(3):427–34

delta 9–Tetrahydrocannabinol inhibits human sperm motility. Hong CY, et al. **J Pharm Pharmacol** 1981 Nov;33(11):746–7

Effects of kinins and dipeptidyl carboxypeptidase on the motility of highly washed human sperm. Kaneko S, et al. **J Pharmacobiodyn** 1981 Jun;4(6):443–50

The effect of 6–chloro–6–deoxysugars on adenine nucleotide concentrations in and motility of rat spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):75–9

Motility and eosin uptake of formaldehyde–treated ram spermatozoa. Osinowo OA, et al. **J Reprod Fertil** 1982 Jul; 65(2):389–94

Proteolytic enzymes stimulate human spermatozoal motility and in vitro hamster egg penetration. Cohen J, et al. **Life Sci** 1982 Mar 15;30(11):899–904

Mitomycin C– and streptozotocin–induced motility and numerical sperm variants in mice. Ficsor G, et al. **Mutat Res** 1981 Nov;90(3):287–95

Organic solvents modify the calcium control of flagellar movement in sea urchin sperm. Gibbons BH, et al. **Nature** 1981 Jul 2;292(5818):85–6

Cyclic AMP induces maturation of trout sperm axoneme to initiate motility. Morisawa M, et al. **Nature** 1982 Feb 25; 295(5851):703–4

Effect on prostaglandin F 2 alpha on sperm motility in vitro. Grünberger W, et al. **Reproduccion** 1981 Jul–Sep;5(3):141–4

Germ cell–specific decrease of acrosomal proteolytic activity, sperm motility, and number in mitomycin C–treated mice. Ficsor G, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):13–8

[Therapy of idiopathic astheno– and oligozoospermia with pentoxifylline] Schill WB. **Fortschr Med** 1982 Apr 22; 100(15):696–700 (Eng. Abstr.) **(Ger)**

[Therapeutic application of kallikrein in idiopathic oligo– and asthenozoospermia (author's transl)] Maier U, et al. **Wien Med Wochenschr** 1981 Aug 31;131(15–16):401–3 (Eng. Abstr.) **(Ger)**

SPERM NUMBER see **SPERM COUNT**

SPERM–OVUM INTERACTIONS see under **FERTILIZATION**

SPERM TAIL see under **SPERMATOZOA**

SPERM TRANSPORT

Sperm transport, storage and release in the sheep oviduct in relation to the time of ovulation. Hunter RH, et al. **Br Vet J** 1982 May–Jun;138(3):225–32

In vitro sperm cervical mucus penetration: studies in human and bovine cervical mucus. Moghissi KS, et al. **Fertil Steril** 1982 Jun;37(6):823–7

Immunologically induced changes in macaque cervical mucus functions: inhibition of sperm penetration. Nasir–ud–Din, et al. **Fertil Steril** 1982 Mar;37(3):431–5

The development of a clinical test of sperm migration to the site or fertilization. Templeton AA, et al. **Fertil Steril** 1982 Mar;37(3):410–5

Primary infertility: correlation between sperm migration test and humoral immunity. Ainmelk Y, et al. **Int J Fertil** 1982; 27(1):52–5

Effect of uterine ligation and cervical plugs on retention of frozen–thawed boar sperm. Pursel VG. **J Anim Sci** 1982 Jan;54(1):137–41

Sperm transport and reservoirs in the pig oviduct in relation to the time of ovulation. Hunter RH. **J Reprod Fertil** 1981 Sep;63(1):109–17

Relation of electrical activity to luminal transport in the cauda epididymidis of the rat in vitro. Jaakkola UM, et al. **J Reprod Fertil** 1982 Jan;64(1):121–6

Alteration of cervical mucus by vanguard human spermatozoa. Katz DF, et al. **J Reprod Fertil** 1982 May; 65(1):171–5

Changes in the morphology and behaviour of spermatozoa between copulation and fertilization in the Japanese long–fingered bat, Miniopterus schreibersii fuliginosus. Mori T, et al. **J Reprod Fertil** 1982 May;65(1):23–8

Sperm transport in the human female reproductive tract in relation to semen analysis characteristics and time of ovulation. Mortimer D, et al. **J Reprod Fertil** 1982 Mar; 64(2):401–8

Morphological selection of human spermatozoa in vivo and in vitro. Mortimer D, et al. **J Reprod Fertil** 1982 Mar; 64(2):391–9

Rat sperm enzymes during epididymal transit. Purvis K, et al. **J Reprod Fertil** 1982 Jul;65(2):381–7

The role of the uterine cervix in reproduction and infertility. Bond AP. **Practitioner** 1982 Jul;226(1369):1314–8

[Use of 131I labeling for studying the distribution and migration of spermatozoa in the genital tract of female sheep following artificial insemination. 1. Gamma camera studies of the course of migration] Brückner G, et al. **Arch Exp Veterinarmed** 1982;36(2):297–305 (Eng. Abstr.) **(Ger)**

[Hormonal parameters of the transport of minute particles from uterus to abdominal cavity along the uterine tubes] Pobedinskii NM, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):52–5 (Eng. Abstr.) **(Rus)**

[Sperm migration in vivo. Morphological study] García JA. **Rev Chil Obstet Ginecol** 1981;46(2):88–93 **(Spa)**

SPERMATIC CORD

Treatment of malignant tumors of the spermatic cord: a study of 10 cases and a review of the literature. Blitzer PH, et al. **J Urol** 1981 Nov;126(5):611–4

Adenomatoid tumor of the male genital tract: report of three cases, one associated with adrenal cortical rest. Lodeville D, et al. **Pathologica** 1981 Jul–Aug;73(1026):629–37 (53 ref.)

Rhabdomyosarcoma of spermatic cord. Sago AL, et al. **Urology** 1982 Jun;19(6):606–8

Rhabdomyosarcoma of spermatic cord in adult. Trippitelli A, et al. **Urology** 1982 May;19(5):533–5

[Papillary mesothelioma of the left spermatic cord and tunica vaginalis] Bandelier D, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):369–75 (Eng. Abstr.) **(Fre)**

[Mixed sarcoma from contractile elements of spermatic cord in adult (author's transl)] Dornetzhuber V, et al. **Zentralbl Allg Pathol** 1981;125(5):441–4 (Eng. Abstr.) **(Ger)**

[Sarcomas of the spermatic cord. Apropos of a case of rhabdomyosarcoma] Ferrando U, et al. **Minerva Urol** 1981 Apr–Jun;33(2):115–8 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Thrombosis of the pampiniform plexus. Rothman D. **J Med Soc NJ** 1981 Sep;78(10):681

Treatment of varicoceles [letter] Price RA. **JAMA** 1982 Feb 19;247(7):979

Balloon occlusion of the internal spermatic vein for the treatment of varicoceles. Walsh PC, et al. **JAMA** 1981 Oct 9;246(15):1701–2

[Selective venography of undescended testicles] Iugrinov OG, et al. **Urol Nefrol (Mosk)** 1981;(5):7–11 (Eng. Abstr.) **(Rus)**

INNERVATION

Mapping of evoked responses from different areas of hypothalamus on stimulation of spermatic nerve in monkeys. Mangat HK, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(2):189–96

Benign neural invasion in vasitis nodosa. Goldman RL, et al. **Histopathology** 1982 May;6(3):309–15

PATHOLOGY

Analysis of cord length obtained during steps of orchiopexy. Odiase V, et al. **Br J Urol** 1982 Jun;54(3):308–10

[Mesothelioma of the spermatic cord (author's transl)] Frea B, et al. **J Urol (Paris)** 1981;87(5):291–3 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Morphological and physiological factors involved in the contractility of the spermatic cord and ductus deferens of the opossum (Didelphis albiventris). Machado CR, et al. **J Reprod Fertil** 1982 Jul;65(2):275–80

SURGERY

Spermatic cord preservation in kidney transplantation. Barry JM. **J Urol** 1982 Jun;127(6):1076–7

[Comparative investigations of different techniques for vasovasostomies (author's transl)] Grantzow R, et al. **Z Kinderchir** 1982 May;36(1):20–2 (Eng. Abstr.) **(Ger)**

[2–stage operation for cryptorchism using a silastic membrane] Gruchalski J, et al. **Wiad Lek** 1981 Apr 15; 34(8):653–5 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Electron microscopy in diagnosis of adult paratesticular rhabdomyosarcoma. Riehle RA Jr, et al. **Urology** 1982 Jun; 19(6):658–61

SPERMATIC CORD TORSION

[Differential diagnosis at the bedside. Testicular torsion] Kunz HD. **MMW** 1982 May 14;124(19):98–9 **(Ger)**

[Bilateral and multiple ipsilateral torsion of the appendices testis in children (author's transl)] Bianchi M, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):313–4 **(Ita)**

COMPLICATIONS

Assessment of fertility after testicular torsion: an experimental study. Merimsky E, et al. **Urol Res** 1982 Feb;10(1):51–4

[The incidence and macro–morphological qualities of the appendix testis (author's transl)] Trošić A. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):395–9 (Eng. Abstr.) **(Scr)**

CONGENITAL

Torsion of testis in a neonate [letter] King MS. **Trop Doct** 1982 Apr;12(2):69

Intrauterine testicular torsion [letter] Harrison RH.

Urology 1982 Jan;19(1):120–1
[Intrapartum strangulated inguinal hernia, testicular torsion and acute appendicitis] Otero Ramírez A, et al. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):511–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnoses not to be missed. Torsion of the testis. Whitaker RH. **Br J Hosp Med** 1982 Jan;27(1):66–9
Lymphangioma of the pancreas masquerading as acute appendicitis and torsion of the left testis. Dubois JD. **Br J Surg** 1981 Nov;68(11):799–800
Orchitis mimicking testicular torsion in Henoch–Schönlein's purpura. O'Regan S, et al. **J Urol** 1981 Dec;126(6):834–5
Torsion of the testis and its appendages. Veeraraghavan K, et al. **Minn Med** 1982 Jun;65(6):337–40
Torsion of the spermatic cord. Ransler CW 3d, et al. **Urol Clin North Am** 1982 Jun;9(2):245–50
Ultrasonic diagnosis of testicular torsion. Arnbjörnsson E, et al. **Z Kinderchir** 1981 Nov;34(3):269–72
[Testicular torsion and ultrasonic diagnosis (letter)] Tangesdal JG. **Tidsskr Nor Laegeforen** 1981 Aug 30; 101(24):1349 **(Nor)**

ENZYMOLOGY

Enzymatic changes in experimental testicular torsion. Freedman S, et al. **Invest Urol** 1981 Nov;19(3):209–10

ETIOLOGY

Trauma-induced testicular torsion in children. Cos LR, et al. **J Trauma** 1982 Mar;22(3):244–6
Torsion of testicle after inguinal herniorraphy. Valvo JR, et al. **Urology** 1982 Jun;19(6):648–9

IMMUNOLOGY

Immunological and clinical study of patients after spermatic cord torsion. Mastrogiacomo I, et al. **Andrologia** 1982 Jan–Feb;14(1):25–30

PATHOLOGY

[Testicular torsion and fertility disorders] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1981;20(6):471–5 (Eng. Abstr.) **(Bul)**

RADIONUCLIDE IMAGING

Radionuclide testicular scanning. Penkava RR. **Am Fam Physician** 1982 Mar;25(3):181–2
Nuclear imaging in the pediatric acute scrotum. Valvo JR, et al. **Am J Dis Child** 1982 Sep;136(9):831–5

SURGERY

Torsion of the testis [letter] **Br J Hosp Med** 1982 May; 27(5):566
Coincident torsion of appendix testis and spermatic cord. Hutchinson GH. **Br J Urol** 1982 Jun;54(3):322
Elective orchiopexy for recurrent testicular torsion. Cass AS. **J Urol** 1982 Feb;127(2):253–4
High testicular salvage rate in torsion of the spermatic cord. Cattolica EV, et al. **J Urol** 1982 Jul;128(1):66–8
Torsion after torsion operation and cryptorchid surgery [letter] Harrison RH 3d. **Urology** 1981 Oct;18(4):434
[The problem of testicular subtorsion] Wandschneider G, et al. **Z Urol Nephrol** 1981 Jul;74(7):537–40 (Eng. Abstr.) **(Ger)**
[Results of treatment of testicular torsion in children] Rasulev SR, et al. **Vestn Khir** 1981 Dec;127(12):98–9 **(Rus)**
[Torsion of the seminal vesicles (author's transl)] Klouche T, et al. **Bratisl Lek Listy** 1981 Apr;75(4):483–5 (Eng. Abstr.) **(Slo)**
[10 year material of testicular torsion. The time factor and degree of torsion determine whether or not the testicle can be saved] Dolk A, et al. **Lakartidningen** 1982 Mar 17; 79(11):1005–6 (Eng. Abstr.) **(Swe)**

SPERMATIDS see under **SPERMATOZOA**

SPERMATOCELE

CHEMICALLY INDUCED

The effect of high doses of 6-chloro-6-deoxyglucose on the rat. Ford WC, et al. **Contraception** 1981 Nov;24(5):577–88
Activities of various 6-chloro-6-deoxysugars and (S) alpha-chlorohydrin in producing spermatocoeles in rats and paralysis in mice and in inhibiting glucose metabolism in bull spermatozoa in vitro. Ford WC, et al. **J Reprod Fertil** 1982 May;65(1):177–83

SPERMATOCIDAL AGENTS

Contraception and toxic-shock syndrome: a reanalysis. Shelton JD, et al. **Contraception** 1981 Dec;24(6):631–4
Barrier-method contraceptives and pelvic inflammatory disease. Kelaghan J, et al. **JAMA** 1982 Jul 9;248(2):184–7

ADMINISTRATION & DOSAGE

The cut finger syndrome--Intercept vaginal suppositories [letter] Ponte CD. **Drug Intell Clin Pharm** 1981 Apr; 15(4):292
Vaginal spermicidal activity of gossypol in the Macaca arctoides. Cameron SM, et al. **Fertil Steril** 1982 Feb; 37(2):273–4
Sex and spermicides: preventing unintended pregnancy and infection [editorial] Cates W Jr, et al. **JAMA** 1982 Oct 1;248(13):1636–7
Vaginal spermicides and gonorrhea. Jick H, et al. **JAMA** 1982 Oct 1;248(13):1619–21

ADVERSE EFFECTS

Spermicide use and Down's syndrome. Rothman KJ. **Am J Public Health** 1982 Apr;72(4):399–401
Spermicides and Down's syndrome [letter] Van Peenen PF, et al. **Am J Public Health** 1982 Sep;72(9):1047–8
Vaginal spermicides and outcome of pregnancy: findings in a large cohort study. Huggins G, et al. **Contraception** 1982 Mar;25(3):219–30
Liver function tests in women using intravaginal spermicide nonoxynol-9 [letter] Chvapil M, et al. **Fertil Steril** 1982 Feb;37(2):281–2
Vaginal spermicides and congenital disorders [letter] **JAMA** 1981 Dec 11;246(23):2677–8
Spermicides and birth defects [letter] Jick H. **JAMA** 1982 Jan 22–29;247(4):462–3
Spermicides and birth defects [editorial] Oakley GP Jr. **JAMA** 1982 May 7;247(17):2405
Birth defects and vaginal spermicides. Shapiro S, et al. **JAMA** 1982 May 7;247(17):2381–4

PHARMACODYNAMICS

Cottonseed oil as a vaginal contraceptive. Tso WW, et al. **Arch Androl** 1982 Feb;8(1):11–4
Irrigation during vasectomy: a comparison between sterile water and the spermicide euflavine. Gandrup P, et al. **J Urol** 1982 Jan;127(1):60–1
[Animal experiments and clinical studies on spermicidal vaginal films and suppositories containing surface active alkylpolyethoxyphenoxyethanol (author's transl)] Diao XH. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):80–3 **(Chi)**
[Analysis on exfoliated cells in human semen after oral administrations of gossypol acetic acid (author's transl)] Shi QX, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Dec; 2(4):262–6 (Eng. Abstr.) **(Chi)**

TOXICITY

Effect of nonoxynol-9, a detergent with spermicidal activity, on malignant transformation in vitro. Long SD, et al. **Carcinogenesis** 1982;3(5):553–7

SPERMATOCYTES see under **SPERMATOZOA**

SPERMATOGENESIS

Effect of vitamin A deficient diet on the spermatogenesis and plasma testosterone. Kalla NR. **Acta Eur Fertil** 1981 Sep;12(3):249–53
Seasonal spermatogenesis in the mute swan (Cygnus olor). Breucker H. **Adv Anat Embryol Cell Biol** 1982;72:1–94
Structural changes of the head components of the rat spermatid during late spermiogenesis. Lalli M, et al. **Am J Anat** 1981 Apr;160(4):419–34
A cytochemical study of the Golgi apparatus of the spermatid during spermiogenesis in the rat. Tang XM, et al. **Am J Anat** 1982 Apr;163(4):283–94
A study of mitosis, meiosis, histology, and scanning electron microscopic details of spermatogenesis in an infertile male with probable 46,XY/47,XXY germinal mosaicism. Rajendra BR, et al. **Am J Med Genet** 1981;10(2):119–31
Formation of the outer dense fibers during spermiogenesis in the rat. Irons MJ, et al. **Anat Rec** 1982 Apr;202(4):463–71
Evidence of a wave of spermatogenesis in human testis. Schulze W. **Andrologia** 1982 Mar–Apr;14(2):200–7
Sperm surface changes during epididymal maturation. Olson GE, et al. **Ann NY Acad Sci** 1982;383:372–92
Effect of FSH deprivation on spermatogenesis in prepubertal mice. Nandedkar TD, et al. **Arch Androl** 1982 Jun; 8(4):257–60
Protein carboxylmethylase and germ cell adenylyl cyclase at specific stages of the spermatogenic cycle of the rat. Cusan L, et al. **Biol Reprod** 1981 Dec;25(5):915–9
A new approach to quantification of spermatogenesis and its application to germinal cell attrition during human spermiogenesis. Johnson L, et al. **Biol Reprod** 1981 Aug; 25(1):217–26
Localization of testicular plasminogen activator in discrete portions (stage VII and VIII) of the seminiferous tubule. Lacroix M, et al. **Biol Reprod** 1981 Aug;25(1):143–6
Purification of rat spermatogenic cells and preliminary biochemical analysis of these cells. Meistrich ML, et al. **Biol Reprod** 1981 Dec;25(5):1065–77
5',3' Cyclic adenosine monophosphate dependent protein phosphorylation in differentiating male mouse germ cells. Geremia R, et al. **Cell Biol Int Rep** 1981 Dec;5(12):1071
Spermatogenesis revisited. V. Spermiogenesis in mice nomozygous for two different male-sterile mutations (ps and hpy). Bryan JH. **Cell Tissue Res** 1981;221(1):169–80
Aspects of the structure and development of monotreme spermatozoa and their relevance to the evolution of mammalian sperm morphology. Carrick FN, et al. **Cell Tissue Res** 1982 Jan;222(1):127–41
The effects of cytochalasin B and colchicine on the morphogenesis of mitochondria in Drosophila hydei during meiosis and early spermiogenesis. An in vitro study. Liebrich W. **Cell Tissue Res** 1982;224(1):161–8
Development of the bovine acrosome. An ultrastructural and cytochemical study. Sinowatz F, et al. **Cell Tissue Res** 1981; 219(3):511–24
Analysis of spermatogenesis in Drosophila melanogaster bearing deletions for Y-chromosome fertility genes. Hardy RW, et al. **Chromosoma** 1981;83(5):593–617
Gametogenesis in a male Indian muntjac x Chinese muntjac hybrid. Liming S, et al. **Cytogenet Cell Genet** 1981; 30(3):152–6
Stage-related variations in DNA fluorescence distribution during rat spermatogenic cycle measured by flow cytometry. Clausen OP, et al. **Cytometry** 1982 May; 2(6):421–5
A 28K-dalton cell surface autoantigen of spermatogenesis: characterization using a monoclonal antibody. Gaunt SJ. **Dev Biol** 1982 Jan;89(1):92–100
Meiosis of primary spermatocytes and early spermiogenesis in the resultant spermatids in newt, Cynops pyrrhogaster in vitro. Abe SI. **Differentiation** 1981;20(1):65–70
Distribution and synthesis of histone 1 subfractions during spermatogenesis in the rat. Bucci LR, et al. **Exp Cell Res** 1982 Jul;140(1):111–8
Microelectrophoretic analysis of basic protein changes during spermiogenesis in the dogfish Scylliorhinus caniculus (L). Gusse M, et al. **Exp Cell Res** 1981 Dec;136(2):391–7
Identification of autoantigen-expressing cells in rat testis. Söderström KO, et al. **Exp Mol Pathol** 1981 Dec; 35(3):332–7
The relationship between heterochromatic homology and meiotic segregation of compound second autosomes during spermatogenesis in Drosophila melanogaster. Hilliker AJ, et al. **Genet Res** 1982 Apr;39(2):157–68
A structural gene (Tcp-1) within the mouse t complex is separable from effects on tail length and lethality but may be associated with effects on spermatogenesis. Silver LM. **Genet Res** 1981 Oct;38(2):115–23
Analysis of pleiotropism at the dominant white-spotting (W) locus of the house mouse: a description of ten new W alleles. Geissler EN, et al. **Genetics** 1981 Feb;97(2):337–61
Testicular testosterone concentration, interstitial cell density and spermatogenesis in infertile men. Hirsh AV, et al. **Int J Androl** 1981 Aug;4(4):409–20
Microfluorometric assessment of sperm maturation in testicular biopsies from men with histologically normal or reduced spermatogenesis. Johannisson E, et al. **Int J Androl** 1982 Feb;5(1):11–20
Spermatogenesis before and after renal transplant. Rodrigues Netto N Jr, et al. **Int J Fertil** 1980;25(2):131–3
Testicular development and establishment of spermatogenesis in Holstein bulls. Curtis SK, et al. **J Anim Sci** 1981 Dec; 53(6):1645–57
Chromatin reorganization during spermatogenesis in the winter flounder. Kennedy BP, et al. **J Biol Chem** 1982 Sep 25;257(18):11160–5
Membrane flow during nematode spermiogenesis. Roberts TM, et al. **J Cell Biol** 1982 Jan;92(1):113–20
Sperm morphogenesis in wild-type and fertilization-defective mutants of Caenorhabditis elegans. Ward S, et al. **J Cell Biol** 1981 Oct;91(1):26–44
Cell surface marker proteins during mouse spermatogenesis: two-dimensional electrophoretic analysis. Millette CF, et al. **J Cell Sci** 1981 Apr;48:367–82
Chronic pulsatile low dose GnRH therapy for induction of testosterone production and spermatogenesis in a man with secondary hypogonadotropic hypogonadism. Skarin G, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):723–6
Expression of histoincompatibility antigens during spermatogenesis in the rat. Söderström KO, et al. **J Immunol** 1982 Apr;128(4):1671–5
Structure and gametogenic potential of seminiferous tubules in ageing mice. Gosden RG, et al. **J Reprod Fertil** 1982 Jan;64(1):127–33
Analysis of stage-specific protein synthesis during spermatogenesis of the mouse by two-dimensional gel electrophoresis. Kramer JM, et al. **J Reprod Fertil** 1982 Jan;64(1):139–44
Spermatogenesis and sperm-specific phosphoglycerate kinase B and lactate dehydrogenase C4 isoenzymes in sex-reversed mice. Rudolph NS, et al. **J Reprod Fertil** 1982 May;65(1):39–44
Spermatogenesis in the grey squirrel (Sciurus carolinensis) and changes during sexual regression. Tait AJ, et al. **J Reprod Fertil** 1982 May;65(1):53–8
The aberrant spermatozoa of Hydropsychidae caddisflies (Trichoptera): an electron microscope analysis on spermiogenesis. Friedländer M, et al. **J Ultrastruct Res** 1982 Jan;78(1):84–94
Spermatozoa and spermatogenesis in homalorhagha kinorhyncha. Nyholm KG, et al. **J Ultrastruct Res** 1982 Jan;78(1):1–12
Sperm nuclear packing and regulation during spermatogenesis and fertilization. Zirkin BR, et al. **Johns Hopkins Med J** 1982 Sep;151(3):101–12
Sympathetic orchiopathia [letter] Wallace DM, et al. **Lancet** 1981 Nov 21;2(8256):1173
Stage-dependent secretion of ABP by rat seminiferous tubules. Ritzen EM, et al. **Mol Cell Endocrinol** 1982 Jan; 25(1):25–33

The geographical distribution of common liver flukes (the genus Fasciola) with normal and abnormal spermatogenesis. Terasaki K, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):223–31

Testicular sperm reserves in cockerels bearing Z-autosome translocations. Blazak WF, et al. **Poult Sci** 1981 Sep; 60(9):2001–5

Polyorchidism with normal spermatogenesis–a case report. Hsieh TS. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun; 80(6):643–8

The acrosomal zonule. Maxwell WL. **Tissue Cell** 1982; 14(2):283–8

Spermatogenesis in the boar. Frankenhuis MT, et al. **Vet Q** 1982 Apr;4(2):57–61

[Ultrastructural study of spermatogenesis and spermatozoa of Platyhelminthe: Gonapodasmius (Trematoda:Didymozoidae)] Justine JL, et al. **J Ultrastruct Res** 1982 Jun;79(3):350–65 (Eng. Abstr.) **(Fre)**

[Hypogonadism with spermatogenesis (fertile eunuch syndrome) (author's transl)] Vague J, et al. **Sem Hop Paris** 1982 Apr 1;58(13):767–74 (69 ref.) (Eng. Abstr.) **(Fre)**

[Cytogenetic studies of the organization and function of chromosomes in the spermiohistogenesis of vertebrates] Hofgärtner FJ, et al. **Acta Histochem [Suppl] (Jena)** 1979; 20:129–33 **(Ger)**

[Histochemical, cytochemical and ultrastructural studies of spermatogenesis] Sinowatz F, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:137–46 **(Ger)**

[Comparative light and electron microscopic studies of spermiogenesis in the male rabbit, boar and ram] Menger H, et al. **Arch Exp Veterinarmed** 1981;35(3):359–74 (Eng. Abstr.) **(Ger)**

[Morphological and morphometric characteristics and spermatogenic activity of the retained testis] Ricco R, et al. **Pathologica** 1980 Nov–Dec;72(1022):779–87 (Eng. Abstr.) **(Ita)**

[Ribosomal gene amplification in rat spermatogenesis] Glazkov MV, et al. **Biol Nauki** 1981;(7):86–7 **(Rus)**

[DNA synthesis in the process of rat spermatogenesis] Glazkov MV, et al. **Ontogenez** 1981;12(5):470–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Spermatogenesis in rat: effect of L-tryptophan loading. Das TK, et al. **Andrologia** 1982 May–Jun;14(3):242–9

Suppression and recovery of spermatogenesis in dibromochloropropane treated rats. Shemi D, et al. **Andrologia** 1982 Mar–Apr;14(2):191–9

The effect of tamoxifen on spermatogenesis in subfertile men. Traub AI, et al. **Andrologia** 1981 Sep–Oct;13(5):486–90

Drugs and sperm [editorial] Drife JO. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):844–5

Drugs and sperm [letter] Sheehan J, et al. **Br Med J [Clin Res]** 1982 May 1;284(6325):1331

Effects on spermatogenesis in the guppy Poecilia reticulata by prolonged exposure to trimethylphosphate. Hanna PJ. **Bull Environ Contam Toxicol** 1982 Jan;28(1):28–32

Temporary effects of AMSA (4'-(9-acridinylamino) methanesulfon-m-anisidide) chemotherapy on spermatogenesis. da Cunha MF, et al. **Cancer** 1982 Jun 15; 49(12):2459–62

The effects of anti-leukemic therapy on gonadal histology in adult males. Maguire LC, et al. **Cancer** 1981 Nov 1; 48(9):1967–71

Comparative effect of the isomers of dimethylmyleran on spermatogenesis in the rat. Hemsworth BN. **Chem Biol Interact** 1981 Sep;36(3):331–43

Reversible inhibition of spermatogenesis by a long-acting dimeric ethynodiol-testosterone ester. Kuhl H, et al. **Contraception** 1981 Jul;24(1):61–75

Sulphasalazine and spermatogenesis. Freeman JG, et al. **Digestion** 1982;23(1):68–71

The effects of actinomycin D on spermatogenesis in the toad. Biswas NM, et al. **Endokrinologie** 1981 Mar;77(3):360–2

The effect of cyproterone acetate on spermatogenesis and thumb pads of the skipper frog, Rana cyanophlyctis (Schn.). Saidapur SK, et al. **Experientia** 1981 Nov 15; 37(11):1162–3

Spermatogenesis and SRBC haemolysin formation in various inbred mouse strains treated with cyproterone acetate. Pokorná Z, et al. **Folia Biol (Praha)** 1981;27(5):354–9

Prolactin suppression and spermatogenic developments in maturing rats. A quantitative study. Nag S, et al. **Horm Res** 1981;15(2):72–7

Role of testosterone propionate on spermatogenesis following chronic nicotine administration in immature rats. Biswas NM, et al. **Indian J Exp Biol** 1981 Jul;19(7):604–6

Hyperglycemia induced testicular dysfunction after chronic administration of Balanites roxburghii planch fruit pulp extract in dogs Canis indicus L. Dixit VP, et al. **Indian J Exp Biol** 1981 Oct;19(10):918–21

Relationship between bacterial index & type of tubular damage in BCG induced aspermatogenesis. Mustafa AS, et al. **Indian J Exp Biol** 1981 Nov;19(11):1011–4

Copper as a male contraceptive. Riar SS, et al. **Indian J Exp Biol** 1981 Dec;19(12):1121–3

Changes in spermatogenic pattern with advancement of age--influence of exogenous prostaglandins. Sanyal S, et al. **Indian J Exp Biol** 1981 Feb;19(2):112–6

Variations of gossypol susceptibility in rat spermatozoa during spermatogenesis. Ke YB, et al. **Int J Fertil** 1982; 27(1):42–6

Follicle-stimulating hormone and human spermatogenesis. Bremner WJ, et al. **J Clin Invest** 1981 Oct;68(4):1044–52

Effect of corticosterone on serum concentrations of alpha 2 micro-globulin and on spermatogenesis in oestrogen-treated rats. Biswas NM, et al. **J Endocrinol** 1982 Feb;92(2):309–14

Initiation of spermatogenesis and testicular growth in oestradiol-17 beta-implanted bull calves with pulsatile infusion of luteinizing hormone releasing hormone. Schanbacher BD, et al. **J Endocrinol** 1982 May; 93(2):183–92

Induction of spermatogenesis in isolated hypogonadotropic hypogonadism with exogenous human chorionic gonadotropin. Luboshitzky R, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):217–9

Genetic effects in the mouse of formaldehyde in combination with adenosine and hydrogen peroxide. Fontignie-Houbrechts N, et al. **Mutat Res** 1982 Jul; 104(6):371–6

Sensitivity of various germ-cell stages to environmental mutagens. Lyon MF. **Mutat Res** 1981 Nov;87(3):323–45 (125 ref.)

Spermatogenic stage sensitivity to 6-mercaptopurine in the mouse. Oakberg EF, et al. **Mutat Res** 1982 May; 94(1):165–78

Influence of prostaglandin F2 alpha on sperm production and seminal characteristics of the stallion. Kreider JL, et al. **Prostaglandins** 1981 Dec;22(6):903–13

Cannabinoids in male mice: effects on fertility and spermatogenesis. Dalterio S, et al. **Science** 1982 Apr 16; 216(4543):315–6

Morphological pattern elicited by agents affecting spermatogenesis by stimulation. Russell LD, et al. **Tissue Cell** 1981;13(2):369–80

RADIATION EFFECTS

Mammalian spermatogenesis as a biologic dosimeter for radiation. Hacker U, et al. **Acta Radiol [Oncol]** 1981; 20(4):279–82

Recovery from aspermia induced by low-dose radiation in seminoma patients. Hahn EW, et al. **Cancer** 1982 Jul 15; 50(2):337–40

Effects of hyperthermia and radiation on mouse testis stem cells. Reid BO, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4453–7

Increases in morphologically abnormal sperm in rats exposed to Co60 irradiation. Lock LF, et al. **Environ Mutagen** 1980; 2(2):125–31

Dominant lethal mutations induced by 14C in mice. Goud SN, et al. **Experientia** 1981;37(9):948–9

Growth of spermatogenetic colonies in the mouse testis after irradiation with fission neutrons. van den Aardweg GJ, et al. **Radiat Res** 1982 Jan;89(1):150–65

[Reproductive and hormonal testicular function in rats under conditions of an internal continuous irradiation] Dedov VI, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):159–66 (Eng. Abstr.) **(Ger)**

SPERMATOGENESIS BLOCKING AGENTS

Ability of autoclaved BCG and extracts to induce aspermatogenesis. Naz RK, et al. **Indian J Med Res** 1981 Aug;74:251–7

SPERMATOGONIA see under **SPERMATOZOA**

SPERMATOZOA

see related
OLIGOSPERMIA

Separation of human X and Y spermatozoa by albumin gradients and Sephadex chromatography. Quinlivan WL, et al. **Fertil Steril** 1982 Jan;37(1):104–7

Influence of thawing time and post-thaw temperature on acrosomal maintenance and motility of bovine spermatozoa frozen in .5-ml French straws. Brown JL, et al. **J Anim Sci** 1982 May;54(5):938–44

The fusion of trout spermatozoa with Chinese hamster fibroblasts. Yip JH, et al. **J Cell Sci** 1982 Feb;53:307–21

Effect of long term ejaculation at high frequency on output of sperm, sexual behavior, and fertility of Holstein bulls; relation of reproductive capacity to high nutrient allowance. Almquist JO. **J Dairy Sci** 1982 May; 65(5):814–23

Correlation between post-thaw motility and acrosomal integrity of bovine sperm. Berndtson WE, et al. **J Dairy Sci** 1981 Feb;64(2):346–9

Sexual assault kits [letter] Lawton M. **NZ Med J** 1981 Nov 11;94(695):358

Cryopreservation of human sperm [letter] Kaden R, et al. **S Afr Med J** 1981 Oct 17;60(16):609–10

[Indications for the auto-conservation of sperm in urology (author's transl)] Pontonnier F, et al. **J Urol (Paris)** 1982; 88(4):209–14 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Abnormal spermatozoa, testicular degeneration, and varicocele in a ram. Ott RS, et al. **Am J Vet Res** 1982 Feb;43(2):241–5

Sperm shape abnormalities in carbaryl-exposed employees. Wyrobek AJ, et al. **Environ Health Perspect** 1981 Aug; 40:255–65

Filtering capacity of bovine cervical mucus towards abnormal forms of human-ejaculated spermatozoa. Bergman A, et al. **Int J Androl** 1981 Dec;4(6):675–84

Sperm abnormalities in Droughtmaster bulls. Bongso TA, et al. **Trop Anim Health Prod** 1982 Feb;14(1):58

Diadem/crater defect in spermatozoa of a bull. Heath E, et al. **Vet Rec** 1982 Jan 2;110(1):5–6

[Significance of giant sperm in andrologic diagnosis] Corradi G, et al. **Orv Hetil** 1982 Jun 6;123(23):1409–12 **(Hun)**

ANALYSIS

Localization of proacrosin on the inner acrosomal membrane of spermatozoa in rabbits and hamsters. Bradford MM, et al. **Am J Vet Res** 1981 Jun;42(6):1082–3

ATP concentration of human spermatozoa: lack of correlation with sperm motility. Levin RM, et al. **Andrologia** 1981 Sep–Oct;13(5):468–72

Vitamin A and beta-carotene content of seminal fluid and sperm of normospermic and oligozoospermic men. Singer R, et al. **Arch Androl** 1982 Feb;8(1):61–4

Zinc in the epididymal and vasal spermatozoa of rhesus monkey (Macaca mulatta). Srivastava A, et al. **Arch Androl** 1982 Mar;8(2):117–20

Human sperm chromatin has a nucleosomal structure. Wagner TE, et al. **Arch Androl** 1981 Nov;7(3):251–7

Electrophoretic evidence for interchain disulfide linkages in proteins of ejaculated bovine spermatozoa. Yoo BY, et al. **Arch Androl** 1982 Mar;8(2):153–5

Surface components of ejaculated chimpanzee sperm. Young LG, et al. **Arch Androl** 1982 Feb;8(1):15–20

The effect of cervical mucus on measurable Feulgen DNA content of human spermatozoa. Freundl G, et al. **Arch Gynecol** 1981;231(1):61–7

Detection of human spermatozoal peptides after conjugation to 125I-labelled human serum albumin. Mettler L, et al. **Aust J Biol Sci** 1981;34(5–6):587–91

Preparation and characterization of histone H1 from the sperm of the sea-urchin Sphaerechinus granularis. Giancotti V, et al. **Biochem J** 1981 Apr 1;195(1):171–6

Secondary and tertiary structural differences between histone H1 molecules from calf thymus and sea-urchin (Sphaerechinus granularis) sperm. Giancotti V, et al. **Biochem J** 1981 Sep 1;197(3):655–60

Histones from spermatozoa of the horseshoe crab. Muñoz-Guerra S, et al. **Biochim Biophys Acta** 1982 Jun 30;697(3):305–12

A partial structure of histone h1 from sperm of the sea urchin Sphaerechinus granulosus. Strickland WN, et al. **Biochim Biophys Acta** 1982 Apr 21;703(1):95–100

Studies on mechanisms of surface modifications in ram spermatozoa during the final stages of differentiation. Voglmayr JK, et al. **Biol Reprod** 1982 Apr;26(3):483–500

Analysis of nuclear proteins in primary spermatocytes of Drosophila hydei: The correlation of nuclear proteins with the function of the Y chromosomal loops. Kloetzel PM, et al. **Chromosoma** 1981;84(1):67–86

Stage-related variations in DNA fluorescence distribution during rat spermatogenic cycle measured by flow cytometry. Clausen OP, et al. **Cytometry** 1982 May; 2(6):421–5

An optical model for fluorescence of mammalian sperm in flow cytometry. Kerker M, et al. **Cytometry** 1980 Sep; 1(2):161–7

Primary structure of the protamine isolated from the sperm nuclei of the dog-fish Scylliorhinus caniculus. Sautière P, et al. **Eur J Biochem** 1981 Oct;119(2):251–5

Microelectrophoretic analysis of basic protein changes during spermiogenesis in the dogfish Scylliorhinus caniculus (L). Gusse M, et al. **Exp Cell Res** 1981 Dec;136(2):391–7

DNA and protein content of mouse sperm. Implications regarding sperm chromatin structure. Pogany GC, et al. **Exp Cell Res** 1981 Nov;136(1):127–36

The occurrence of sperm in isohistones H2B in single sea urchins. Strickland M, et al. **FEBS Lett** 1981 Nov 30; 135(1):86–8

Tightly bound somatic histones in mature ram sperm nuclei. Uschewa A, et al. **FEBS Lett** 1982 Feb 8;138(1):50–4

Heterogeneity of nucleosomes in genetically inactive cells. Zalenskaya IA, et al. **FEBS Lett** 1981 Jun 1;128(1):40–2

Induced metachromasia in bull spermatozoa. Mello ML. **Histochemistry** 1982;74(3):387–92

Purification of a human spermatozoal antigen. Czuppon AB, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):963–8

A high molecular weight nuclear basic protein from the bivalve mollusc Spisula solidissima. Ausió J, et al. **J Biol Chem** 1982 Mar 25;257(6):2802–5

Characterization of calmodulin and calmodulin isotypes from sea urchin gametes. Burgess WH. **J Biol Chem** 1982 Feb 25;257(4):1800–4

Characterization of a novel glycosphingolipid, ceramide nonasaccharide, isolated from spermatozoa of the fresh water bivalve, Hyriopsis schlegelii. Hori T, et al. **J Biol Chem** 1981 Nov 10;256(21):10979–85

Modifications of anionic-lipid domains preceding membrane fusion in guinea pig sperm. Bearer EL, et al. **J Cell Biol** 1982 Mar;92(3):604–15

Properties of the vitelline coat lysin from toad sperm. Iwao Y, et al. **J Exp Zool** 1982 Jan 10;219(1):87–95

Sperm and acid phosphatase examination of the rape patient: medicolegal aspects. Smally AJ. **J Fam Pract** 1982 Jul; 15(1):170–1

Investigation of fading and recovery of fluorescence intensity at 73.5 K. Tiffe HW, et al. **J Microsc** 1982 Jun;126(Pt 3):231–5

Phosphoglycopeptide, a major constituent of the spermatophoric plasma of the octopus (Octopus dofleini martini). Brooks DE, et al. **J Reprod Fertil** 1981 Nov; 63(2):515–21

An electrophoretic investigation of mammalian spermatid–specific nuclear proteins. Lanneau M, et al. **J Reprod Fertil** 1982 May;65(1):163–70

Distribution of 5–methylcytosine in the DNA of somatic and germline cells from bovine tissues. Sturm KS, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4537–46

The phospholipid profile of cock spermatozoa before and after in vitro incubation for twenty–four hours at 41 C. Howarth B Jr. **Poult Sci** 1981 Jul;60(7):1516–9

Myosin in early spermatids of the rat. Walt H, et al. **Virchows Arch [Cell Pathol]** 1982;38(3):307–10

[Fertility assessed by sperm analysis in 110 fertile men] Eldrup J. **Ugeskr Laeger** 1981 Dec 21;143(52):3525–8 (Eng. Abstr.) **(Dan)**

[Intracellular localizations of calmodulin (author's transl)] De Mey JR. **Rev Med Brux** 1981 Apr;2(4):425–9 (Eng. Abstr.) **(Fre)**

[Significance of bound fatty acids in human sperm in fertility disorders] Nissen HP, et al. **Andrologia** 1981 Sep–Oct; 13(5):444–51 (Eng. Abstr.) **(Ger)**

[DNS concentration and low temperature tolerance of human sperm cells] Glander HJ, et al. **Dermatol Monatsschr** 1981 Nov;167(11):708–10 **(Ger)**

[Conformational peculiarity of H1 histones of calf thymus and sea urchin sperm] Ramm EI, et al. **Biofizika** 1982 Jan–Feb;27(1):154–6 (Eng. Abstr.) **(Rus)**

[Nucleosomal organization of chromatin from sperm of the bivalve mollusk Swiftopecten swifti] Zalenskaia IA, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):335–44 (Eng. Abstr.) **(Rus)**

[DNA content of human spermatozoa] Alonso Lancho MT, et al. **Rev Clin Esp** 1981 Sep 15;162(5):193–6 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Separation of human spermatozoa from a single ejaculate into various age–groups. Ben–Nun I, et al. **Int J Fertil** 1980; 25(2):127–30

CYTOLOGY

In vivo sex differentiation of congeneic germinal cell aplastic gonads. McCoshen JA. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):83–8

Motility and morphology of human spermatozoa in split ejaculates. Cohen J, et al. **Andrologia** 1981 Sep–Oct; 13(5):491–8

Relationships of mammalian sperm motility and morphology to hydrodynamic aspects of cell function. Dresdner RD, et al. **Biol Reprod** 1981 Dec;25(5):920–30

Separation of bovine spermatozoa by density on water insoluble Newtonian gels and their use for insemination. Luderer AA, et al. **Biol Reprod** 1982 Jun;26(5):813–24

Directed membrane flow on the pseudopods of Caenorhabditis elegans spermatozoa. Roberts TM, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):697–702

Meiosis of primary spermatocytes and early spermiogenesis in the resultant spermatids in newt, Cynops pyrrhogaster in vitro. Abe SI. **Differentiation** 1981;20(1):65–70

Initial evaluation of a convection counter streaming galvanization technique of sex separation of human spermatozoa. Daniell JF, et al. **Fertil Steril** 1982 Aug; 38(2):233–7

A new staining technique for the rapid determination of the morphologic characteristics of sperm. Schoenfeld C, et al. **Fertil Steril** 1981 Sep;36(3):408–10

A new metachromatic fluorescent stain for rapid morphologic evaluation of human sperm. Tejada RI, et al. **Fertil Steril** 1981 Oct;36(4):535–7

Cytophotometric and autoradiographic evidence for functional apomixis in a gynogenetic fish, Poecilia formosa and its related, triploid unisexuals. Rasch EM, et al. **Histochemistry** 1982;73(4):515–33

Meiotic arrest at first spermatocyte level: a new inherited infertility disorder. Cantú JM, et al. **Hum Genet** 1981; 59(4):380–5

In vitro differentiation of diakinesis figures in human testis. Curtis D. **Hum Genet** 1981;59(4):406–11

A method for the sequential study of synaptonemal complexes by light and electron microscopy. Navarro J, et al. **Hum Genet** 1981;59(4):419–21

A comparison between the morphology and cell kinetics of gonocytes and adult type undifferentiated spermatogonia in the mouse. Kluin PM, et al. **Int J Androl** 1981 Aug; 4(4):475–93

Effects of organic solvents on flagellar asymmetry and quiescence in sea urchin sperm. Gibbons BH. **J Cell Sci** 1982 Apr;54:115–35

Morphological selection of human spermatozoa in vivo and in vitro. Mortimer D, et al. **J Reprod Fertil** 1982 Mar; 64(2):391–9

Sperm transport in the human female reproductive tract in relation to semen analysis characteristics and time of ovulation. Mortimer D, et al. **J Reprod Fertil** 1982 Mar; 64(2):401–8

Simultaneous assessment of human sperm motility and morphology by videomicrography. Overstreet JW, et al. **J Urol** 1981 Sep;126(3):357–60

Influence of wet fixation, staining techniques, and storage time on bull sperm morphology. Sekoni VO, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):161–6

Sperm distribution within the genital tract of naturally inseminated gilts. Viring S, et al. **Nord Vet Med** 1981 Mar; 33(3):145–9

Spermatophores of the salamander Ambystoma texanum. Russeli LD, et al. **Tissue Cell** 1981;13(3):609–21

[Evaluation of semen by electronic spermcounter] Pusch H, et al. **Andrologia** 1982 Mar–Apr;14(2):113–7 (Eng. Abstr.) **(Ger)**

[Use of 131I labeling for studying the distribution and migration of spermatozoa in the genital tract of female sheep following artificial insemination. 2. Quantitative determination of radiolabeled ram sperm and seminal plasma] Brückner G, et al. **Arch Exp Veterinarmed** 1982; 36(2):307–13 (Eng. Abstr.) **(Ger)**

[Development of the biological quality of the semen during sexual maturation] Janczewski Z. **Ginekol Pol** 1981 Jul; 52(7):669–71 **(Pol)**

[Assessment of male fertility by the basic ejaculate indices] Ustinkina TI. **Akush Ginekol (Mosk)** 1982 Apr;(4):21–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Lithium levels in the ejaculate, spermiogram and adjuvant psychopharmacological therapy. Kolomaznik M, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):275–6

Purification and characteristics of a peptide (speract) associated with eggs that stimulates spermatozoa. Hansbrough JR, et al. **Adv Enzyme Regul** 1980;19:351–76

Electron microscopic studies of rat sperm heads treated with urea, dithiothreitol, and micrococcal nuclease. Sobhon P, et al. **Anat Rec** 1981 Oct;201(2):225–35

Effects of low doses of cyproterone acetate on sperm morphology and some other parameters of reproduction in normal men. Fredricsson B, et al. **Andrologia** 1981 Jul–Aug;13(4):369–75

Sperm studies in anesthesiologists. Wyrobek AJ, et al. **Anesthesiology** 1981 Nov;55(5):527–32

Effects of calmodulin–binding drugs on the guinea pig spermatozoon acrosome reaction and the use of these drugs as vaginal contraceptive agents in rabbits. Lenz RW, et al. **Ann NY Acad Sci** 1982;383:85–97

Induction of acrosomal reaction in sperm with ionophore A23187 and calcium. Jamil K, et al. **Arch Androl** 1981 Dec; 7(4):283–92

Effects of ouabain on spermatozoan function: a review. Nelson L, et al. **Arch Androl** 1981 Sep;7(2):169–76 (33 ref.)

Gossypol: an effective acrosin blocker. Tso WW, et al. **Arch Androl** 1982 Mar;8(2):143–7

Effect of trypsin inhibitors on acrosome reaction of guinea pig spermatozoa. Perreault SD, et al. **Biol Reprod** 1982 Mar;26(2):343–51

Depression of sperm counts among agricultural workers exposed to dibromochloropropane and ethylene dibromide. Takahashi W, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):551–8

Scanning electron microscopic study of spermatozoa from gossypol–treated rats. Bozek SA, et al. **Cell Tissue Res** 1981;219(3):659–63

Effects of AF 1312 TS and lonidamine on mammalian testis. A morphological study. De Martino C, et al. **Chemotherapy** 1981;27 Suppl 2:27–42

Changes of energy metabolism in the germ cells and Ehrlich ascites tumor cells. Floridi A, et al. **Chemotherapy** 1981;27 Suppl 2:50–60

Formation of chromosome–type aberrations at the first cleavage after MMS treatment in late spermatids of mice. Tanaka N, et al. **Cytogenet Cell Genet** 1981;31(3):145–52

Mithramycin– and triethylene melamine– induced sperm abnormalities in Lakeview hamsters. Singh H, et al. **Environ Mutagen** 1982;4(3):231–7

A further note on the utility of the excision repair–deficient mei–9a females of Drosophila melanogaster in detecting chromosome breakage induced by procarbazine in male germ cells. Zimmering S, et al. **Environ Mutagen** 1981; 3(3):293–5

Evaluation of mutagenic activity of cooking oil vapors by mouse sperm abnormality test. Kam JK. **Environ Res** 1982 Apr;27(2):261–5

Effect of glycerol on motility, viability, extracellular aspartate aminotransferase release and fertility of stallion semen before and after freezing. Guay P, et al. **Equine Vet J** 1981 Jul;13(3):177–82

Concanavalin A–induced attachment of spermatogenic cells to Sertoli cells in vitro. Grootegoed JA, et al. **Exp Cell Res** 1982 Jun;139(2):472–5

Cervical mucus penetration test for in vitro assay of vaginal contraceptive agents. Alexander NJ, et al. **Fertil Steril** 1981 Oct;36(4):516–20

Toxicity and uptake of heavy metals by human spermatozoa. Battersby S, et al. **Fertil Steril** 1982 Feb;37(2):230–5

Sperm size in patients with inflammatory bowel disease on sulfasalazine therapy. Hudson E, et al. **Fertil Steril** 1982 Jul;38(1):77–84

Effects of purification or split ejaculation of semen and stimulation of spermatozoa by caffeine on their motility and fertilizing ability with the use of zona–free hamster ova. Weeda AJ, et al. **Fertil Steril** 1982 Jun;37(6):817–22

Variations of gossypol susceptibility in rat spermatozoa during spermatogenesis. Ke YB, et al. **Int J Fertil** 1982; 27(1):42–6

Restoration of reproductive capacity of stallions after suppression with exogenous testosterone. Squires EL, et al. **J Anim Sci** 1981 Nov;53(5):1351–9

Novel mode of contraception using polymeric hydrogels. I. Singh H, et al. **J Biomed Mater Res** 1982 Jan;16(1):3–9

Inhibition of in vitro fertilization of mouse eggs: 3–quinuclidinyl benzilate specifically blocks penetration of zonae pellucidae by mouse spermatozoa. Florman HM, et al. **J Exp Zool** 1981 Apr;216(1):159–67

The role of calcium in maintaining motility in mouse spermatozoa. Heffner LJ, et al. **J Exp Zool** 1981 Dec; 218(3):427–34

Inhibition of the hamster sperm acrosome reaction by transmethylation inhibitors. Meizel S. **J Exp Zool** 1981 Sep; 217(3):443–6

Detection of modifications in the tail of capacitated guinea pig sperm using lectins. Talbot P, et al. **J Exp Zool** 1981 Jun;216(3):435–44

Zinc effects on mouse spermatozoa and in–vitro fertilization. Aonuma S, et al. **J Reprod Fertil** 1981 Nov;63(2):463–6

Activities of various 6–chloro–6–deoxysugars and (S) alpha–chlorohydrin in producing spermatocoeles in rats and paralysis in mice and in inhibiting glucose metabolism in bull spermatozoa in vitro. Ford WC, et al. **J Reprod Fertil** 1982 May;65(1):177–83

Inhibition of the guinea–pig sperm acrosome reaction by a low molecular weight factor(s) in epididymal fluid and serum. Hyne RV, et al. **J Reprod Fertil** 1982 Jan; 64(1):151–7

Male fertility, sister chromatid exchange, and germ cell toxicity following exposure to mixtures of chlorinated phenoxy acids containing 2,3,7,8–tetrachlorodibenzo–p–dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):825–34

Effects of thio–tepa and hydroxyurea on sperm production in Lakeview hamsters. Singh H, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):307–16

Antispermatogenic effects of ethyl methanesulfonate and benzo[a]pyrene in PD4 Lakeview hamsters. Singh H, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):929–37

The effect of 4CMB on germ cells of the mouse. Brook JD. **Mutat Res** 1982 Jan–Feb;100(1–4):305–8

Lack of association between induction of dominant–lethal mutations and induction of heritable translocations with benzo[a]pyrene in postmeiotic germ cells of male mice. Generoso WM, et al. **Mutat Res** 1982 May;94(1):155–63

Spermatogenic stage sensitivity to 6–mercaptopurine in the mouse. Oakberg EF, et al. **Mutat Res** 1982 May; 94(1):165–78

Arsenic–induced developmental defects and mitotic abnormalities in sea–urchin development. Pagano G, et al. **Mutat Res** 1982 Jul;104(6):351–4

Comparison of the frequencies of SCEs induced by chemical mutagens in bone–marrow, spleen and spermatogonial cells of mice. Palitti F, et al. **Mutat Res** 1982 Feb;103(2):191–5

Action of mutagens at germ–cell stages [letter] Pinto–Machado J. **Mutat Res** 1982 Jan;103(1):99–100

Increment kinetics of recessive lethal mutations and dominant lethals in offspring of Drosophila melanogaster on storage of methyl–methanesulfonate–treated sperm in females. Ryo H, et al. **Mutat Res** 1981 Sep;83(2):179–90

Sperm head abnormality test. Scott K, et al. **Mutat Res** 1982 Jan–Feb;100(1–4):345–50

Aflatoxin and aflatoxicosis. III. Effect of dietary aflatoxin on the morphology of buffalo bull spermatozoa. Hafez AH, et al. **Mycopathologia** 1982 Mar 19;77(3):141–4

Organic solvents modify the calcium control of flagellar movement in sea urchin sperm. Gibbons BH, et al. **Nature** 1981 Jul 2;292(5818):85–6

Cyclic AMP induces maturation of trout sperm axoneme to initiate motility. Morisawa M, et al. **Nature** 1982 Feb 25; 295(5851):703–4

Turkey sperm oxygen consumption, motility, and percentage dead after incubation in tissue homogenates. Bakst MR, et al. **Poult Sci** 1981 Nov;60(11):2542–7

Effect of dose fractionation on the ethylnitrosourea induction of specific–locus mutations in mouse spermatogonia. Russell WL, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3592–3

Dose–response curve for ethylnitrosourea–induced specific–locus mutations in mouse spermatogonia. Russell WL, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3589–91

The effects of desmethylimipramine and lithium on human sperm function. Amsterdam JD, et al. **Psychoneuroendocrinology** 1981 Dec;6(4):359–63

Stimulation of sperm fertility in vitro by exogenous molecules. Meizel S. **Reproduccion** 1981 Jul–Sep; 5(3):169–76 (25 ref.)

Mutagenicity studies with 2,4,5–T on bacteria and mammalian germ cells. Herbold BA, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):91–101

Morphological pattern elicited by agents affecting spermatogenesis by stimulation. Russell LD, et al. **Tissue Cell** 1981;13(2):369–80

Application of the in vitro embryo culture to the study of the mutagenic effects of nickel in male germ cells. Jacquet P, et al. **Toxicol Lett** 1982 Apr;11(1-2):193-7

[Effect of various drugs and enzymes on the quality of deeply frozen bull sperm] Stoianov T, et al. **Vet Med Nauki** 1982; 19(2):84-91 (Eng. Abstr.) **(Bul)**

[Cytotoxic action of hexavalent chromium in human and animal cell cultures] Bondarenko VM, et al. **Gig Sanit** 1981 Jul;(7):84-6 **(Rus)**

[Effectiveness of using different radioprotectors for the protection of the sex cells of male mice from the genetic action of radiation, 1. Frequency study of dominant lethal mutations in postspermatogonial cells] Pomerantseva MD, et al. **Radiobiologiia** 1981 Sep-Oct;21(5):722-9 (Eng. Abstr.) **(Rus)**

[Effect of ethanol on the genetic apparatus of mammalian germ cells] Bariliak IR, et al. **Tsitol Genet** 1981 Nov-Dec; 15(6):29-32 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Characteristics of the soluble and particulate forms of guanylate cyclase. Garbers DL, et al.
Adv Cyclic Nucleotide Res 1981;14:241-54

Ultrastructural localization of nicotinamide adenine dinucleotide phosphatase (NADPase), thiamine pyrophosphatase (TPPase), and cytidine monophosphatase (CMPase) in the Golgi apparatus of early spermatids of the rat. Clermont Y, et al. **Anat Rec** 1981 Dec;201(4):613-22

Fine structure localization of acid phosphatase in human spermatozoa. Castellani-Ceresa L. **Arch Androl** 1981 Dec; 7(4):361-4

Adenylyl cyclase and protein carboxyl methylase in human spermatozoa. Gordeladze JO, et al. **Arch Androl** 1982 Jun; 8(4):265-70

Stage dependent variation in Mn2+-sensitive adenylyl cyclase (AC) activity in spermatids and FSH-sensitive AC in sertoli cells. Gordeladze JO, et al. **Arch Androl** 1982 Feb;8(1):43-51

The intracellular localization and properties of carnitine acetyltransferase from ram spermatozoa. Day-Francesconi M, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):206-14

Flagellar adenosine triphosphatases from annelid spermatozoa: electrophoretic identification of dyneins. Nakamura K, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):172-9

Preliminary characterization of a Mg2+-ATPase in hamster sperm head membranes. Working FK, et al.
Biochem Biophys Res Commun 1982 Feb 11;104(3):1060-5

Phosphoglycerate kinase isozyme profile in reproductive cells and tissues of cattle: sperm specificity of PGK-B1. Rudolph NS, et al. **Biochem Genet** 1982 Feb;20(1-2):105-10

Characterization of a high-molecular-weight form of human acrosin. Comparison with human pancreatic trypsin. Anderson RA Jr, et al. **Biochem J** 1981 Nov 1; 199(2):307-16

Enzymic characteristics of an ecto-cyclic AMP-dependent protein kinase in rat epididymal spermatozoa. Majumder GC. **Biochem J** 1981 Apr 1;195(1):111-7

Enzymic characteristics of ecto-adenosine triphosphatase in rat epididymal intact spermatozoa. Majumder GC.
Biochem J 1981 Apr 1;195(1):103-10

Cyclic nucleotide phosphodiesterase activity in midpiece and tail of buffalo spermatozoa and its role in sperm motility. Bhatnagar SK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):133-9

Protein carboxylmethylase and germ cell adenylyl cyclase at specific stages of the spermatogenic cycle of the rat. Cusan L, et al. **Biol Reprod** 1981 Dec;25(5):915-9

Acrosin, proacrosin, and acrosin inhibitor of guinea pig spermatozoa capacitated and acrosome-reacted in vitro. Goodpasture JC, et al. **Biol Reprod** 1981 Aug;25(1):44-55

Improved method for the preparation and purification of boar m alpha-acrosin. Kennedy WP, et al. **Biol Reprod** 1981 Aug;25(1):197-201

Phosphoprotein phosphatase activity of sea urchin spermatozoa. Swarup G, et al. **Biol Reprod** 1982 Jun; 26(5):953-60

Effect of medroxyprogesterone acetate of 3 alpha-hydroxysteroid oxidoreductase of testicular germ cells and prostate of the rat. Wentworth BM, et al.
Biol Reprod 1981 Aug;25(1):93-102

Distribution of lactic dehydrogenase and glutamate oxaloacetate transaminase in buffalo spermatozoa. Gupta RS, et al. **Cell Mol Biol** 1981;27(5):539-41

Evidence for participation of sperm proteinases in fertilization of the solitary ascidian, Halocynthia roretzi: effects of protease inhibitors. Hoshi M, et al. **Dev Biol** 1981 Aug;86(1):117-21

Purification and characterization of a chymotrypsin-like enzyme from sperm of the sea urchin, Hemicentrotus pulcherrimus. Yamada Y, et al. **Eur J Biochem** 1982 Feb; 122(1):57-62

DNA synthesis catalysed by endogenous templates and DNA-dependent DNA polymerases in spermatogenic cells from rat. Hecht NB, et al. **Exp Cell Res** 1981 Sep; 135(1):103-14

Detection of gamma-carboxy glutamic acid residues in an extract of cock spermatozoa. Gentsch C, et al.
Experientia 1981 Dec 15;37(12):1261-3

Quantitative analysis of the effects of caffeine on sperm motility and cyclic adenosine 3',5'-monophosphate (AMP) phosphodiesterase. Levin RM, et al. **Fertil Steril** 1981 Dec; 36(6):798-802

Galactosyltransferase activities on mouse sperm bearing multiple tlethal and tviable haplotypes of the T/t-complex. Shur BD. **Genet Res** 1981 Dec;38(3):225-36

The role of sperm-bound hyaluronidase in the dispersal of the cumulus oophorus surrounding rat ova. Lewin LM, et al. **Int J Androl** 1982 Feb;5(1):37-44

Lactate dehydrogenase-X: an isozyme particularly sensitive to gossypol inhibition. Tso WW, et al. **Int J Androl** 1982 Apr;5(2):205-9

A reinvestigation of dynein ATPase kinetics and the inhibitory action of vanadate. Anderson SA, et al.
J Biol Chem 1982 Jun 25;257(12):6656-8

Structure of the dynein-1 outer arm in sea urchin sperm flagella. II. Analysis by proteolytic cleavage. Bell CW, et al. **J Biol Chem** 1982 Jan 10;257(1):516-22

Proacrosin conversion inhibitor. Purification and initial characterization of a boar sperm protein which prevents the conversion of proacrosin into acrosin. Kennedy WP, et al. **J Biol Chem** 1982 Mar 25;257(6):3095-9

Acrosin inhibition. Comparisons of membrane-associated and -solubilized enzyme. Straus JW, et al. **J Biol Chem** 1982 Jul 25;257(14):7962-4

Structure of the dynein-1 outer arm in sea urchin sperm flagella. I. Analysis by separation of subunits. Tang WJ, et al. **J Biol Chem** 1982 Jan 10;257(1):508-15

Potassium ion influx and Na+,K+-ATPase activity are required for the hamster sperm acrosome reaction. Mrsny RJ, et al. **J Cell Biol** 1981 Oct;91(1):77-82

A probe for flagellar dynein in the mammalian mitotic apparatus. Zieve GW, et al. **J Cell Sci** 1981 Apr;48:241-57

Studies of phospholipase A2 related to the hamster sperm acrosome reaction. Llanos MN, et al. **J Exp Zool** 1982 May 20;221(1):107-17

Variation in spermatozoal levels of phosphoglycerate kinase-2 in mice. Erickson RP, et al. **J Hered** 1981 Mar-Apr;72(2):129-30

Effects of ram sperm acrosin on the investments of sheep, pig, mouse and gerbil eggs. Brown CR.
J Reprod Fertil 1982 Mar;64(2):457-62

An electrophoretically detectable modification of glucosephosphate isomerase in mouse spermatozoa. Buehr M, et al. **J Reprod Fertil** 1981 Sep;63(1):169-73

REgulation of glycolysis/fructolysis in buffalo spermatozoa. Gandhi KK, et al. **J Reprod Fertil** 1982 Jan;64(1):145-50

Effects of various conditions of semen storage on the acrosin system of human spermatozoa. Goodpasture JC, et al.
J Reprod Fertil 1981 Nov;63(2):397-405

Rat sperm enzymes during epididymal transit. Purvis K, et al. **J Reprod Fertil** 1982 Jul;65(2):381-7

Kinetics of the aromatic L-amino acid oxidase from dead bovine spermatozoa and the effect of catalase on fertility of diluted bovine semen stored at 5 degrees C and ambient temperatures. Shannon P, et al. **J Reprod Fertil** 1982 Mar; 64(2):463-7

Site of aromatic L-amino acid oxidase in dead bovine spermatozoa and determination of between-bull differences in the percentage of dead spermatozoa by oxidase activity. Shannon P, et al. **J Reprod Fertil** 1982 Mar;64(2):469-73

Sperm Acrosin. Müller-Esterl W, et al. **Methods Enzymol** 1981;80 Pt C:621-32

Deficiency of protein-carboxyl methylase in immotile spermatozoa of infertile men. Gagnon C, et al.
N Engl J Med 1982 Apr 8;306(14):821-5

The possible role of protein-carboxyl methylation in sperm motility and capacitation. Bardin CW, et al.
Prog Clin Biol Res 1982;87:217-34 (37 ref.)

Germ cell-specific decrease of acrosomal proteolytic activity, sperm motility, and number in mitomycin C-treated mice. Ficsor G, et al.
Teratogenesis Carcinog Mutagen 1982;2(1):13-8

[Relationships between seminal enzymes and fertility (author's transl)] Guerin JF, et al.
Ann Endocrinol (Paris) 1981 Oct-Nov;42(4-5):423-8 (Eng. Abstr.) **(Fre)**

[Rapid method of determining the hyaluronidase activity in human sperm] Nerobeev VD. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):35-6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Formation of the outer dense fibers during spermiogenesis in the rat. Irons MJ, et al. **Anat Rec** 1982 Apr;202(4):463-71

Morphology, proliferation, and differentiation of undifferentiated spermatogonia in the Chinese hamster and the ram. Lok D, et al. **Anat Rec** 1982 May;203(1):83-99

Development of the bovine acrosome. An ultrastructural and cytochemical study. Sinowatz F, et al. **Cell Tissue Res** 1981; 219(3):511-24

The zone of mature spermatozoa in the testis of Salamandra salamandra (L.) (Amphibia, Urodela). Bergmann M, et al.
Z Mikrosk Anat Forsch 1982;96(2):221-34

[Chalone or inhibine: control of progenitor spermatogonia in the adult rat by gonadal protein extracts] Lanoiselee-Perrin Houdon A, et al.
Bull Assoc Anat (Nancy) 1980 Dec;64(187):509-18 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antibodies against spermatozoal surface--membrane antigens in female infertility. Ingerslev HJ.
Acta Obstet Gynecol Scand [Suppl] 1981;100:1-52

An indirect enzyme-linked immunosorbent assay (ELISA) for the detection and quantitation of antisperm antibodies. Ackerman SB, et al. **Am J Reprod Immunol** 1981 Aug; 1(4):199-205

Autoagglutination in ejaculates caused by sperm-agglutinating antibodies. Friberg J.
Am J Reprod Immunol 1980;1(1):44-8

The interfering effect of human IgG antisperm antibodies on human sperm penetration of zona-free hamster eggs. Haas GG Jr, et al. **Am J Reprod Immunol** 1980;1(1):40-3

Stimulation of lymphocytes by spermatozoa-stimulated cells. Kurpisz M, et al. **Am J Reprod Immunol** 1982 Apr;2(2):87-9

Immunoglobulin classes, secretory component, and sperm agglutinins in semen after vasovasostomy. Linnet L, et al.
Am J Reprod Immunol 1982 Feb;2(1):13-7

Cross-reactivity of sperm and T lymphocyte antigens. Mathur S, et al. **Am J Reprod Immunol** 1981;1(3):113-8

Studies on local immunity to sperm-dissolving of cervical mucus by use of bromelin with retention of antibody activity. Shulman S, et al. **Am J Reprod Immunol** 1980; 1(1):49-52

Human soluble antigens and their use in sperm antibody testing. Shulman S, et al. **Am J Reprod Immunol** 1981; 1(2):69-72

Genetic control of autoantibody production to spermatozoa in vasectomized rats. Takami T, et al.
Am J Reprod Immunol 1982 Feb;2(1):5-7

Analysis of sperm antigens by sodium dodecyl sulfate gel/protein blot radioimmunobinding method. Lee CY, et al. **Anal Biochem** 1982 Jun;123(1):14-22

Sperm autoantigens and fertilization III. Ultrastructural localization of guinea pig autoantigens. Tung KS, et al.
Anat Rec 1982 Feb;202(2):241-53

Corticosteroid therapy in case of immunologic infertility--a preliminary report. Franken DR, et al. **Andrologia** 1982 May-Jun;14(3):256-9

Reproductive immunology: 4. The effect of seminal plasma from immunologic infertile men on in vitro lymphocyte cultures. Franken DR, et al. **Andrologia** 1982 Mar-Apr; 14(2):99-103

Isolation of ureaplasma urealyticum from seminal plasma in relation to sperm antibody levels and sperm motility. Hargreave TB, et al. **Andrologia** 1982 May-Jun;14(3):223-7

Immunological and clinical consequences of vasectomy. Hattikudur NS, et al. **Andrologia** 1982 Jan-Feb;14(1):15-22

Sperm antibodies in serum and semen in men with bilateral congenital absence of the vas deferens. Girgis SM, et al.
Arch Androl 1982 Jun;8(4):301-5

Hypothalamo--pituitary--gonadal axis and sperm-agglutinating antibodies in infertile men treated for cryptorchidism. Koskimies AI, et al. **Arch Androl** 1982 May;8(3):181-3

A simple assay for human sperm agglutination antibodies. Renton KA, et al. **Arch Androl** 1982 May;8(3):213-6

Spermatophagy induced by spermatozoa in whole blood cultures from infertile husbands and their wives. Suhana N, et al. **Arch Androl** 1981 Dec;7(4):305-6

Effect of antibodies to boar spermatozoa on fertility in sows and rabbits. Veselský L, et al. **Arch Androl** 1981 Dec; 7(4):337-42

Sperm-coating antigens secreted by the epididymis and seminal vesicle of the rat. Dravland E, et al.
Biol Reprod 1981 Oct;25(3):649-58

Analysis of the sperm surface with monoclonal antibodies: topographically restricted antigens appearing in the epididymis. Feuchter FA, et al. **Biol Reprod** 1981 Jun; 24(5):1099-110

Binding of a marker for immunoglobulins to the surface of rabbit testicular, epididymal, and ejaculated spermatozoa. Suarez SS, et al. **Biol Reprod** 1981 Dec;25(5):1091-7

Immunochemical analysis of guinea pig sperm autoantigens. Teuscher C, et al. **Biol Reprod** 1982 Mar;26(2):218-29

Epididymal secretion of a mouse sperm surface component recognized by a monoclonal antibody. Vernon RB, et al.
Biol Reprod 1982 Apr;26(3):523-35

Antibodies to sperm-associated antigens detected by solid phase assays. Wolf DP, et al. **Biol Reprod** 1982 Feb; 26(1):140-6

Reversal of vasectomy: the effects of sperm antibodies on subsequent fertility. Royle MG, et al. **Br J Urol** 1981 Dec; 53(6):654-9

Studies on human spermatozoa autoantigens. I. Fractionation of sperm membrane antigens: evidence of three antigenic systems. D'Almeida M, et al. **Clin Exp Immunol** 1981 May; 44(2):359-67

Dexamethasone therapy of infertile men with sperm autoantibodies: immunological and sperm follow-up. De Almeida M, et al. **Clin Exp Immunol** 1981 Jun;44(3):567-75

Demonstration of 11S IgA antibody to spermatozoa in human seminal fluid. Witkin SS, et al. **Clin Exp Immunol** 1981 May;44(2):368-74

A 28K-dalton cell surface autoantigen of spermatogenesis: characterization using a monoclonal antibody. Gaunt SJ. **Dev Biol** 1982 Jan;89(1):92-100

Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. Fox N, et al. **Exp Cell Res** 1982 Feb;137(2):485-8

Sperm antibodies and infertility. Ansbacher R.
Fertil Steril 1981 Oct;36(4):446-7

Ability of antibody-bound human sperm to penetrate zona-free hamster ova in vitro. Bronson R, et al.
Fertil Steril 1981 Dec;36(6):778-83

Sperm antibodies and infertility [letter] Bronson R, et al. **Fertil Steril** 1982 Mar;37(3):449–51

Sperm-agglutinating and -immobilizing antibody formation following vasectomy prevented with dexamethasone in cynomolgus monkeys. Curtis GL, et al. **Fertil Steril** 1982 Jul;38(1):97–9

Antisperm antibodies and human infertility. Etribi A, et al. **Fertil Steril** 1982 Feb;37(2):236–9

Antisperm antibodies in infertility: the role of condom therapy [letter] Greentree LB. **Fertil Steril** 1982 Mar; 37(3):451–2

Identification of antisperm antibodies on sperm of infertile men. Haas GG Jr, et al. **Fertil Steril** 1982 Jul;38(1):54–61

The results of intermittent high dose steroid therapy for male infertility due to antisperm antibodies. Hendry WF, et al. **Fertil Steril** 1981 Sep;36(3):351–5

Mixed erythrocyte-spermatozoa antiglobulin reaction (MAR test) for IgA antisperm antibodies in subfertile males. Hendry WF, et al. **Fertil Steril** 1982 Jan;37(1):108–12

The significance of the Fc part of antispermatozoal antibodies for the shaking phenomenon in the sperm–cervical mucus contact test. Jager S, et al. **Fertil Steril** 1981 Dec; 36(6):792–7

Induction of the shaking phenomenon by pretreatment of spermatozoa with sera containing antispermatozoal antibodies. Jager S, et al. **Fertil Steril** 1981 Dec; 36(6):784–91

Clinical significance of sperm antibodies in infertility. Mathur S, et al. **Fertil Steril** 1981 Oct;36(4):486–95

Identification of mammalian sperm surface antigens. I. Production of monoclonal anti-mouse sperm antibodies. Schmell ED, et al. **Fertil Steril** 1982 Feb;37(2):249–57

Sperm specific antigen(s) in detergent extract of rhesus monkey spermatozoa. Yang SL, et al. **Fertil Steril** 1982 May;37(5):680–5

A study of antispermatozoal antibodies in leprosy. Gupta SC, et al. **Int J Lepr** 1982 Mar;50(1):43–6

Sperm-related antigens, antibodies, and circulating immune complexes in sera of recently vasectomized men. Witkin SS, et al. **J Clin Invest** 1982 Jul;70(1):33–40

Germ cell–induced immune suppression in mice. Effect of inoculation of syngeneic spermatozoa on cell-mediated immune responses. Hurtenbach U, et al. **J Exp Med** 1982 Jun 1;155(6):1719–29

Isolation of an arbacia sperm fertilization antigen. Eckberg WR, et al. **J Exp Zool** 1982 May 20;221(1):101–5

Mechanism of univalent antisperm antibody inhibition of fertilization in the sea urchin, Arbacia punctulata. Saling PM, et al. **J Exp Zool** 1982 May 20;221(1):93–9

Major histocompatibility antigens are not expressed on human epididymal sperm. Anderson DJ, et al. **J Immunol** 1982 Aug;129(2):452–4

Reactions of antisera to HCG with living human spermatozoa. Hancock RJ, et al. **J Reprod Fertil** 1982 May; 65(1):125–9

Is Haploid gene expression possible for sperm antigens? Erickson RP, et al. **J Reprod Immunol** 1981 Sep; 3(4):195–217 (189 ref.)

Immunological identification of lactoferrin as a shared antigen on radioiodinated human sperm surface and in radioiodinated human seminal plasma. Goodman SA, et al. **J Reprod Immunol** 1981 Jun;3(2):99–108

Identification of mammalian sperm surface antigens: II. Characterization of an acrosomal cap protein and a tail protein using monoclonal anti-mouse sperm antibodies. Schmell ED, et al. **J Reprod Immunol** 1982 May;4(2):91–106

Modulation of the immune response to teratocarcinoma in mice sensitized by sperm antigens. Teodorczyk-Injeyan JA, et al. **J Reprod Immunol** 1982 May;4(2):67–78

Submicroscopic localization of human sperm antibodies. Baccetti B, et al. **J Submicrosc Cytol** 1981 Oct;13(4):649–56

IgA antibody to spermatozoa in seminal and prostatic fluids of a subfertile man. Witkin SS, et al. **JAMA** 1982 Feb 19; 247(7):1014–5

Immunity to tumor-associated antigens in vasectomized men. Anderson DJ, et al. **JNCI** 1982 Sep;69(3):551–5

Immunologic effects of vasectomy in men and experimental animals. Bigazzi P. **Prog Clin Biol Res** 1981;70:461–76 (88 ref.)

Seminal immunoglobulins, autoagglutination in ejaculates, and infertility in men. Friberg J. **Prog Clin Biol Res** 1981; 70:432–35

Interfering effect of human IgG antisperm antibodies on human sperm penetration of zona-free hamster eggs. Haas GG Hr, et al. **Prog Clin Biol Res** 1981;70:413–21

Human soluble antigens: their isolation and use in sperm antibody testing. Shulman S, et al. **Prog Clin Biol Res** 1981; 70:443–50

Local immunity to sperm as shown in the cervical mucus: use of bromelin as a dissolving agent and the retention of antibody activity. Shulman S, et al. **Prog Clin Biol Res** 1981;70:437–42

The mixed antiglobulin reaction as a screening test for antispermatozoal antibodies. Franken DR, et al. **S Afr Med J** 1982 Jul 31;62(6):162–3

Sperm priming reveals specific autoreactive lymphocyte clones. Halim K, et al. **Tissue Antigens** 1982 May; 19(5):315–20

The HLA typing of human spermatozoa by two color fluorescence. Halim K, et al. **Tissue Antigens** 1982 Jan; 19(1):90–1

[Observation on serum sperm-agglutinating antibodies in the diagnosis of immunologic infertility (author's transl)] Xu RQ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):94–5 **(Chi)**

[Correlations between penetration tests and spermatozoal antibodies (author's transl)] Schiller S, et al. **Zentralbl Gynakol** 1981;103(16):942–5 (Eng. Abstr.) **(Ger)**

[Anti-sperm antibodies as a cause of sterility] Koper R. **Ginekol Pol** 1981 May;52(5):471–4 (12 ref.) **(Pol)**

[Allospermoimmunization and fertility] Dakhno FV, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):14–6 (Eng. Abstr.) **(Rus)**

[Heterogenetic antigens of E. coli similar to human sperm antigens] Popivanov RP, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):316–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Relation between motility and adenosinetriphosphate (ATP) in human spermatozoa. Calamera JC, et al. **Andrologia** 1982 May–Jun;14(3):239–41

Studies on the distribution of feulgen-DNA content in normal and pathological human spermatozoa. Ebert L, et al. **Andrologia** 1982 May–Jun;14(3):229–35

Cytophotometric study of spermatozoa in normal subjects. Lacroix B, et al. **Andrologia** 1982 Mar–Apr;14(2):110–2

Intraindividual variability of concanavalin A binding to the plasmalemma of human spermatozoa. Courtot AM, et al. **Arch Androl** 1981 Dec;7(4):307–11

Heparin binding sites in the human spermatozoa membrane. Delgado NM, et al. **Arch Androl** 1982 Mar;8(2):87–95

Exchange of lipids between spermatozoa and seminal plasma in normal and pathological human semen. Huacuja L, et al. **Arch Androl** 1981 Dec;7(4):343–9

Arginine uptake by rabbit spermatozoa. Radany EW, et al. **Arch Biochem Biophys** 1981 Sep;210(2):770–4

Reduction capacity of nitroblue tetrazolium (NBT) of sperms from patients with fertility problems. Mercado-Pichardo E, et al. **Arch Invest Med (Mex)** 1981;12(4):499–503 **(Eng, Spa)**

Oxygen metabolism of mammalian spermatozoa. Generation of hydrogen peroxide by rabbit epididymal spermatozoa. Holland MK, et al. **Biochem J** 1981 Aug 15;198(2):273–80

Labelling of membrane glycoproteins on rat spermatozoa collected from different regions of the epididymis. Jones R, et al. **Biochem J** 1981 Nov 15;200(2):457–60

Synthesis and characterization of halogenated derivatives of the ionophore A23187: enhanced calcium ion transport specificity by the 4-bromo derivative. Debono M, et al. **Biochemistry** 1981 Nov 24;20(24):6865–72

Comparison of phosphorylated proteins in intact rat spermatozoa from caput and cauda epididymidis. Chulavatnatol M, et al. **Biol Reprod** 1982 Feb;26(1):197–207

Actin in human spermatozoa. Clarke GN, et al. **Biol Reprod** 1982 Mar;26(2):319–27

Inhibitory effects of substrate analogs on lactate production from fructose and glucose in bovine spermatozoa. Dills WL Jr, et al. **Biol Reprod** 1981 Oct;25(3):458–65

Influence of temperature on amino acid transport by round spermatids from rat testis. Hall PF, et al. **Biol Reprod** 1981 Aug;25(1):110–4

Spermatogenesis in the mouse 2. Amino acid incorporation into basic nucleoproteins of mouse spermatids and spermatozoa. Mayer JF Jr, et al. **Biol Reprod** 1981 Dec; 25(5):1041–51

Metabolism of round spermatids from rats: lactate as the preferred substrate. Mita M, et al. **Biol Reprod** 1982 Apr; 26(3):445–55

Association of [14C]phosphatidylcholine with rat epididymal sperm and its conversion to [14C] glycerylphosphorylcholine by sperm and principal cells. Wang CY, et al. **Biol Reprod** 1981 Dec;25(5):969–76

Effect of steroid hormones on the metabolism of human spermatozoa. Trifunac NP, et al. **Contraception** 1981 May; 23(5):527–41

Inhibition of the metabolism and motility of human spermatozoa by various alkaloids. Trifunac NP, et al. **Contraception** 1982 Jan;25(1):69–87

Variations of gossypol sensitivity in boar spermatozoal electron transport chain segments. Tso WW, et al. **Contraception** 1981 Nov;24(5):569–76

The ascidian sperm reaction: Ca2+ uptake in relation to H+ efflux. Lambert CC, et al. **Dev Biol** 1981 Dec;88(2):312–7

Effect of exogenous testosterone, estradiol & progesterone on oxidative & glycolytic metabolism of buffalo spermatozoa. Bhela SL, et al. **Indian J Exp Biol** 1981 Oct; 19(10):915–7

Glycogen metabolism in epididymal spermatozoa of developing mice. Panse GT, et al. **Indian J Exp Biol** 1981 Feb;19(2):183–5

Effects of antiandrogens on glycogen metabolism of spermatozoa from caput epididymidis. Panse GT. **Indian J Exp Biol** 1981 Sep;19(9):872–3

Effects of antifertility drugs on epididymal protein secretion, acquisition of sperm surface proteins and fertility in male rats. Tsang AY, et al. **Int J Androl** 1981 Dec;4(6):703–12

The influence of the cryopreserving process on rubidium uptake by human spermatozoa. Glander HJ, et al. **Int J Biol Res Pregnancy** 1982;3(2):60–5

Investigations into the metabolism of human spermatozoa in relation to penetration capacity. Bernoth E, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):413–9

Stimulation of protein synthesis in round spermatids from rat testes by lactate. II. Role of adenosine triphosphate (ATP). Nakamura M, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):933–40

A requirement of bicarbonate for Ca2+-induced elevations of cyclic AMP in guinea pig spermatozoa. Garbers DL, et al. **J Biol Chem** 1982 Aug 10;257(15):8980–4

Purification and characterization of a calcium transport inhibitor protein from bovine seminal plasma. Rufo GA Jr, et al. **J Biol Chem** 1982 Apr 25;257(8):4627–32

Hormones and the differentiation of type A spermatogonia in mouse cryptorchid testes incubated in vitro. Haneji T, et al. **J Endocrinol** 1982 Jul;94(1):43–50

Only acrosome-reacted spermatozoa can bind to and penetrate zona pellucida: a study using the guinea pig. Huang TT, et al. **J Exp Zool** 1981 Aug;217(2):287–90

Instability of nuclear chromatin in the ejaculated spermatozoa of fertile men. Blazak WF, et al. **J Reprod Fertil** 1982 Jul; 65(2):331–9

Carnitine content of rabbit epididymal spermatozoa in organ culture. Casillas ER, et al. **J Reprod Fertil** 1982 May; 65(1):247–51

The role of oxidative phosphorylation in the generation of ATP in human spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):271–8

The effect of 6-chloro-6-deoxysugars on adenine nucleotide concentrations in and motility of rat spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):75–9

Effects of 6-chloro-6-deoxysugars on glucose oxidation in rat spermatozoa. Ford WC, et al. **J Reprod Fertil** 1981 Sep;63(1):67–73

Identification of androgen-dependent glycoproteins in the hamster epididymis and their association with spermatozoa. González Echeverría FM, et al. **J Reprod Fertil** 1982 Jan; 64(1):1–7

Influence of temperature on hexose transport by round spermatids of rats. Hall PF, et al. **J Reprod Fertil** 1981 Nov;63(2):373–9

Analysis of stage-specific protein synthesis during spermatogenesis of the mouse by two-dimensional gel electrophoresis. Kramer JM, et al. **J Reprod Fertil** 1982 Jan;64(1):139–44

Toluidine blue staining reveals changes in chromatin stabilization of mouse spermatozoa during epididymal maturation and penetration of ova. Krzanowska H. **J Reprod Fertil** 1982 Jan;64(1):97–101

A spectrofluorometric investigation, using 1-anilino-naphthalene-8-sulphonate, of the interaction between washed bovine spermatozoa and seminal plasma or egg-yolk lipoprotein. MacDonald BJ, et al. **J Reprod Fertil** 1981 Nov;63(2):407–14

Motility and eosin uptake of formaldehyde-treated ram spermatozoa. Osinowo OA, et al. **J Reprod Fertil** 1982 Jul; 65(2):389–94

Equivalence of 'non-IgG binding' and 'acrosomeless' sperm populations from the female genital tract of the rabbit. Taylor NJ. **J Reprod Fertil** 1982 Jan;64(1):181–4

Sperm-egg binding: identification of a species-specific sperm receptor from eggs of Stronglyocentrotus purpuratus. Rossignol DP, et al. **J Supramol Struct Cell Biochem** 1981; 15(4):347–58

Sperm nuclear packing and regulation during spermatogenesis and fertilization. Zirkin BR, et al. **Johns Hopkins Med J** 1982 Sep;151(3):101–12

The role of histone H2B from sea urchin sperm in the association of reconstituted minichromosomes. Osipova TN, et al. **Mol Biol Rep** 1982 Mar 31;8(2):71–5

Uracil-DNA glycosylase in meiotic and post meiotic male germ cells of the mouse. Grippo P, et al. **Prog Clin Biol Res** 1982;85 Pt A:389–96U

[Energy metabolism of spermatozoa: present status of the subject] Guerin JF, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):547–60 (Eng. Abstr.) **(Fre)**

[Peculiarities of energy-transforming reactions in bull spermatozoa and their relation to vitality] Halangk W, et al. **Arch Exp Veterinarmed** 1981;35(6):855–68 (Eng. Abstr.) **(Ger)**

[Comparison of the oxygen consumption of fresh and post-freezing human sperm. Preliminary findings] Piacentino R, et al. **Minerva Ginecol** 1981 Jul–Aug; 33(7–8):677–82 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Adherence and colonization of Mycoplasma pulmonis to genital epithelium and spermatozoa in rats. Cassell GH, et al. **Isr J Med Sci** 1981 Jul;17(7):593–8

Effect of Mycoplasma pulmonis on in-vivo fertilization in the mouse. Swenson CE. **J Reprod Fertil** 1982 Jul; 65(2):257–64

Evidence for microbial transfer by spermatozoa. Toth A, et al. **Obstet Gynecol** 1982 May;59(5):556–9

PATHOLOGY

Increases in morphologically abnormal sperm in rats exposed to Co60 irradiation. Lock LF, et al. **Environ Mutagen** 1980; 2(2):125–31

Abnormalities of sperm morphology in cases of persistent infertility after vasectomy reversal. Pelfrey RJ, et al. **Fertil Steril** 1982 Jul;38(1):112–4

Varicocele and the morphology of spermatozoa [letter] Zorgniotti A. **Fertil Steril** 1982 Feb;37(2):285–6

Meiotic and synaptonemal complex studies in a 14/21

translocation carrier. Vidal F, et al. **Int J Androl** 1982 Feb; 5(1):21–6

Epididymal origin of a coiled-tail sperm defect in a boar. Holt WV. **J Reprod Fertil** 1982 Mar;64(2):485–9

PHYSIOLOGY

Interrelationship between the total protein content of bovine seminal plasma and behaviour of the spermatozoa after freezing–and–thawing. Moustafa AR, et al. **Acta Vet Acad Sci Hung** 1981;28(4):403–8

The mechanisms and analysis of sperm migration through cervical mucus. Katz DF, et al. **Adv Exp Med Biol** 1982; 144:319–30 (50 ref.)

Effect of temperature, nutrients, calcium, and cAMP on motility of human spermatozoa. Gorus FK, et al. **Am J Physiol** 1982 May;242(5):C304–11

Decreased motility of bull spermatozoa caused by Mycoplasma bovigenitalium. Panangala VS, et al. **Am J Vet Res** 1981 Dec;42(12):2090–3

Evolution of Sertoli cell processes invading the cytoplasm of rat spermatids. Morales C, et al. **Anat Rec** 1982 Jun; 203(2):233–44

Some characteristics of split human semen of various sperm densities. Singer R, et al. **Andrologia** 1982 May–Jun; 14(3):260–4

Sperm–egg binding events during sea urchin fertilization. Lopo AC, et al. **Ann NY Acad Sci** 1982;383:405–25 (93 ref.)

Testicular temperature and sperm production in induced cryptorchid [letter] Thwaites CJ, et al. **Aust Vet J** 1982 Mar;58(3):123

Proteoglycan from bovine follicular fluid enhances an acrosome reaction in bovine spermatozoa. Lenz RW, et al. **Biochem Biophys Res Commun** 1982 Jun 30; 106(4):1092–8

Biology of the scrotum. I. Temperature and androgen as determinants of the sperm storage capacity of the rat cauda epididymidis. Foldesy RG, et al. **Biol Reprod** 1982 May; 26(4):673–82

Acrosin, proacrosin, and acrosin inhibitor of guinea pig spermatozoa capacitated and acrosome–reacted in vitro. Goodpasture JC, et al. **Biol Reprod** 1981 Aug;25(1):44–55

Movement characteristics of hamster and guinea pig spermatozoa upon attachment to the zona pellucida. Katz DF, et al. **Biol Reprod** 1981 Nov;25(4):785–91

Differences in the movement of morphologically normal and abnormal human seminal spermatozoa. Katz DF, et al. **Biol Reprod** 1982 May;26(4):566–70

Fertilization by guinea pig spermatozoa requires potassium ions. Rogers BJ, et al. **Biol Reprod** 1981 Oct;25(3):639–48

Influence of blood serum from bulls and heifers on head–to–head agglutination and acrosomal maintenance in bovine spermatozoa. Senger PL, et al. **Biol Reprod** 1981 Sep;25(2):433–7

Penetration of the mouse sperm head through the zona pellucida in vivo: an electronmicroscope study at 200KV. Toshimori K. **Biol Reprod** 1982 Apr;26(3):475–81

Quasi–elastic light–scattering spectra of swimming spermatozoa. Rotational and translational effects. Craig T, et al. **Biophys J** 1979 Dec;28(3):457–72

Half–width scaling of electric field autocorrelation functions of light scattered from bull spermatozoa. Craig T, et al. **Biophys J** 1982 Apr;38(1):71–8

Laser light–scattering studies of bull spermatozoa. I. Orientational effects. Harvey JD, et al. **Biophys J** 1980 Jul; 31(1):147–56

The effect of continuous aeration on the fertility of fowl and turkey semen stored above 0 degrees C. Wishart GJ. **Br Poult Sci** 1981 Sep;22(5):445–50

Sperm transport, storage and release in the sheep oviduct in relation to the time of ovulation. Hunter RH, et al. **Br Vet J** 1982 May–Jun;138(3):225–32

The regular divisions of the spermatocytes as related to a meiotic lysine–rich protein fraction. A study on the dichotomous male meiosis of Lepidoptera. Friedländer M, et al. **Chromosoma** 1982;85(1):109–18

Sperm–mucus interaction and artificial insemination. Joyce D, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):587–610 (69 ref.)

Effect of osmolality of skim–milk diluents and thawing rate on cryosurvival of ram spermatozoa. Fiser PS, et al. **Cryobiology** 1981 Aug;18(4):399–403

Mouse gamete interactions: the zona pellucida is the site of the acrosome reaction leading to fertilization in vitro. Florman HM, et al. **Dev Biol** 1982 May;91(1):121–30

The ascidian sperm reaction: evidence for Cl– and HCO_3– involvement in acid release. Lambert CC. **Dev Biol** 1982 Jun;91(2):257–62

A protein from abalone sperm dissolves the egg vitelline layer by a nonenzymatic mechanism. Lewis CA, et al. **Dev Biol** 1982 Jul;92(1):227–39

Sperm incorporation, the pronuclear migrations, and their relation to the establishment of the first embryonic axis: time–lapse video microscopy of the movements during ferti¹ization of the sea urchin Lytechinus variegatus. Schatten G. **Dev Biol** 1981 Sep;86(2):426–37

Autosomal mutations that interfere with sex determination in somatic cells of Drosophila have no direct effect on the germline. Schüpbach T. **Dev Biol** 1982 Jan;89(1):117–27

Jelly coat and induction of the acrosome reaction in echinoid sperm. SeGall GK, et al. **Dev Biol** 1981 Aug;86(1):87–93

Hyperthermia induced dissociation of the X–Y bivalent in mice. Garriott ML, et al. **Environ Mutagen** 1980;2(4):465–71

Infertility: cervical mucus and semen factors. Daunter B. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):247–56

Fertilization of parthenogenetically activate mouse eggs. I. Behaviour of sperm nuclei in the cytoplasm of parthenogenetically activated eggs. Komar A. **Exp Cell Res** 1982 Jun;139(2):361–7

Reduction of fertilizing capacity of epididymal spermatozoa by 5 alpha–steroid reductase inhibitors. Cohen J, et al. **Experientia** 1981;37(9):1031–2

An analysis of sperm function in cases of unexplained infertility: conventional criteria, movement characteristics, and fertilizing capacity. Aitken RJ, et al. **Fertil Steril** 1982 Aug;38(2):212–21

The correlates of fertilizing capacity in normal fertile men. Aitken RJ, et al. **Fertil Steril** 1982 Jul;38(1):68–76

The relationship of pyospermia and seminal fluid bacteriology to sperm function as reflected in the sperm penetration assay. Berger RE, et al. **Fertil Steril** 1982 Apr; 37(4):557–64

Penetration of human ejaculated spermatozoa into human and bovine cervical mucus. I. Correlation between penetration values. Bergman A, et al. **Fertil Steril** 1981 Sep; 36(3):363–7

In vitro fertilizing capacity of fresh and cryopreserved human spermatozoa: a comparative study of freezing and thawing procedures. Cohen J, et al. **Fertil Steril** 1981 Sep; 36(3):356–62

In vitro fertilizing capacity of human spermatozoa with the use of zona–free hamster ova: interassay variation and prognostic value. Cohen J, et al. **Fertil Steril** 1982 Apr; 37(4):565–72

Effect of pelvic fluid from endometriosis patients on human sperm penetration of zona–free hamster ova. Halme J, et al. **Fertil Steril** 1982 Apr;37(4):573–6

Laser light–scattering study of the effect of washing on sperm motility. Lee WI, et al. **Fertil Steril** 1982 Jul;38(1):62–7

Zona–free hamster eggs and human sperm penetration capacity: a comparative study of proven fertile donors and infertility patients. Zausner–Guelman B, et al. **Fertil Steril** 1981 Dec;36(6):771–7

Spermatozoa––their persistence after sexual intercourse. Willott GM, et al. **Forensic Sci Int** 1982 Mar–Apr; 19(2):133–54 (26 ref.)

Use of the multiple exposure photography (MEP) method to describe shaking movement of human spermatozoa. Makler A. **Int J Androl** 1981 Oct;4(5):606–8

Factors affecting sperm motility. VIII. Velocity and survival of human spermatozoa as related to temperatures above zero. Makler A, et al. **Int J Androl** 1981 Oct;4(5):559–69

A review of cervical mucus and sperm interactions in humans. Fordney–Settlage D. **Int J Fertil** 1981;26(3):161–9 (33 ref.)

Effect of bulk freezing straws of bovine spermatozoa in a programmed freezer on post – thaw survival. Allen CH, et al. **J Anim Sci** 1981 Dec;53(6):1432–9

Use of boar spermatozoa for artificial insemination. III. Fecundity of boar spermatozoa stored in Beltsville liquid and Kiev extenders for three days at 18 C. Johnson LA, et al. **J Anim Sci** 1982 Jan;54(1):132–6

Use of boar spermatozoa for artificial insemination. II. Fertilizing capacity of fresh and frozen spermatozoa in gilts inseminated either at a fixed time or according to Walsmeta readings. Johnson LA, et al. **J Anim Sci** 1982 Jan; 54(1):126–31

Studies of the mechanism of the electrical polyspermy block using voltage clamp during cross–species fertilization. Jaffe LA, et al. **J Cell Biol** 1982 Mar;92(3):616–21

Potassium ion influx and Na+,K+–ATPase activity are required for the hamster sperm acrosome reaction. Mrsny RJ, et al. **J Cell Biol** 1981 Oct;91(1):77–82

Caenorhabditis elegans spermatozoan locomotion: amoeboid movement with almost no actin. Nelson GA, et al. **J Cell Biol** 1982 Jan;92(1):121–31

Mechanochemical coupling in the relaxation of rigor–wave sea urchin sperm flagella. Penningroth SM, et al. **J Cell Biol** 1982 Mar;92(3):733–41

Centripetal flow of pseudopodial surface components could propel the amoeboid movement of Caenorhabditis elegans spermatozoa. Roberts TM, et al. **J Cell Biol** 1982 Jan; 92(1):132–8

Membrane flow during nematode spermiogenesis. Roberts TM, et al. **J Cell Biol** 1982 Jan;92(1):113–20

Motility of basal fragments of sea urchin sperm flagella. Goldstein SF. **J Cell Sci** 1981 Aug;50:65–77

Effects of vanadate, Mg2+ and electric current injection on the stiffness of impaled bull spermatozoa. Rikmenspoel R, et al. **J Cell Sci** 1981 Oct;51:53–61

Recovery of sliding ability in arm–depleted flagellar axonemes after recombination with extracted dynein I. Yano Y, et al. **J Cell Sci** 1981 Apr;48:223–39

Sperm nuclear decondensation in Barnea candida (mollusca, pelecypoda) oocytes does not require germinal vesicle breakdown. Dubé F, et al. **J Exp Zool** 1982 Jul 1; 221(3):383–7

Fertile life of acrosome–reacted guinea pig spermatozoa. Fleming AD, et al. **J Exp Zool** 1982 Mar 1;220(1):109–15

Cold lability of mouse sperm binding to zona pellucida. Heffner LJ, et al. **J Exp Zool** 1982 Feb 1;219(2):155–6

Sperm penetration into rat ova fertilized in vivo. Phillips DM, et al. **J Exp Zool** 1982 Jul 1;221(3):373–8

The male factor in fertilization of rat eggs in vitro. Shalgi R, et al. **J Exp Zool** 1981 Sep;217(3):399–402

Sperm–induced cell cycle activities in blastomeres arrested by the cytostatic factor of unfertilized eggs in Rana pipiens. Shibuya EK, et al. **J Exp Zool** 1982 May 1;220(3):381–5

Specificity of sperm–zona interaction. Swenson CE, et al. **J Exp Zool** 1982 Jan 10;219(1):97–104

A triple–stain technique for evaluating normal acrosome reactions of human sperm. Talbot P, et al. **J Exp Zool** 1981 Feb;215(2):201–8

The fertilization performance in vivo of rabbit spermatozoa capacitated in vitro. Viriyapanich P, et al. **J Exp Zool** 1981 Apr;216(1):169–74

Simultaneous measurement by flow cytometry of sperm cell viability and mitochondrial membrane potential related to cell motility. Evenson DP, et al. **J Histochem Cytochem** 1982 Mar;30(3):279–80

Production, transport, maturation, storage and survival of spermatozoa in the male Japanese quail, Coturnix coturnix. Clulow J, et al. **J Reprod Fertil** 1982 Mar;64(2):259–66

Regulation of survival of rat pachytene spermatocytes by lactate supply from Sertoli cells. Jutte NH, et al. **J Reprod Fertil** 1982 Jul;65(2):431–8

Alteration of cervical mucus by vanguard human spermatozoa. Katz DF, et al. **J Reprod Fertil** 1982 May; 65(1):171–5

Changes in the morphology and behaviour of spermatozoa between copulation and fertilization in the Japanese long–fingered bat, Miniopterus schreibersii fuliginosus. Mori T, et al. **J Reprod Fertil** 1982 May;65(1):23–8

Separation of sperm pairs and sperm–egg interaction in the opossum, Didelphis virginiana. Rodger JC, et al. **J Reprod Fertil** 1982 Jan;64(1):171–9

Induction of oestrus, recovery of gametes, and the timing of fertilization events in the opossum, Didelphis virginiana. Rodger JC, et al. **J Reprod Fertil** 1982 Jan;64(1):159–69

Heterologous ovum penetration by human spermatozoa. Tyler JP, et al. **J Reprod Fertil** 1981 Nov;63(2):499–508

Application of liposomal membranes to the analysis of the triggering mechanism of sperm acrosomal reaction. Ohsawa T, et al. **Jpn J Exp Med** 1981 Feb;51(1):21–8

Crane fly spermatocytes and spermatids: a system for studying cytoskeletal components. Forer A. **Methods Cell Biol** 1982;25 Pt B:227–52

Reactivation of sperm flagella: properties of microtubules–mediated motility. Gibbons BH. **Methods Cell Biol** 1982;25 Pt B:253–71

Direct measurement of the force of microtubule sliding in flagella. Kamimura S, et al. **Nature** 1981 Oct 15–21; 293(5833):566–8

Storage and evacuation of spermatozoa from the uterovaginal sperm–host glands in domestic fowl. van Krey HP, et al. **Poult Sci** 1981 Apr;60(4):871–7

Involvement of trypsin–like activity in binding of mouse spermatozoa to zonae pellucidae. Saling PM. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6231–5

Membrane potential depolarization and increased intracellular pH accompany the acrosome reaction of sea urchin sperm. Schackmann RW, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6066–70

Microinjection of a rabbit beta–globin gene into zygotes and its subsequent expression in adult mice and their offspring. Wagner TE, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6376–80

Monoclonal antibodies to tubulin and their effects on the movement of reactivated sea urchin spermatozoa. Asai DJ, et al. **Prog Clin Biol Res** 1982;80:175–80

Activation and reactivation of Ciona spermatozoa. Brokaw CJ. **Prog Clin Biol Res** 1982;80:185–9

Acetate anions stabilize the latency of dynein 1 ATPase and increase the velocity of tubule sliding in reactivated sperm flagella. Gibbons IR, et al. **Prog Clin Biol Res** 1982;80:181–4

Mechanical properties of sperm flagella. Ishijima S, et al. **Prog Clin Biol Res** 1982;80:149–52

Reactivation and microtubule sliding in rodent spermatozoa. Mohri H, et al. **Prog Clin Biol Res** 1982;80:143–7

Dependence of flagellar relaxation on the hydrolysis of ATP. Penningroth SM. **Prog Clin Biol Res** 1982;80:121–6

[Molecular basis of sperm movement (author's transl)] Bouchard P, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):398–406 (Eng. Abstr.) **(Fre)**

[Semen characteristics and fertility (author's transl)] Jouannet P, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):416–22 (Eng. Abstr.) **(Fre)**

[The interpretation of athenospermia as a function of the parameters in a spermogram (author's transl)] Cranz C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):137–40 (Eng. Abstr.) **(Fre)**

[Effects of washing gametes on their fertilization in rainbow trout] Billard R. **Rev Can Biol** 1981 Dec;40(4):317–21 (Eng. Abstr.) **(Fre)**

[Spermatogram evaluation in cases with Crohn disease] Schramm P, et al. **Andrologia** 1981 Jul–Aug;13(4):352–8 (Eng. Abstr.) **(Ger)**

[Problems of deepfreeze conservation of ram sperm. 2. Effect of ram and thawing rate on pregnancy rate of pregnancy and studies on the prognosis of fertility] Neubert L, et al. **Arch Exp Veterinarmed** 1982;36(2):323–31 (Eng. Abstr.) **(Ger)**

[Thawing time of bovine semen in French mini–straws and nonreturn rate] Kupferschmied H, et al. **Schweiz Arch Tierheilkd** 1981 Oct;123(10):515–22 (Eng. Abstr.) **(Ger)**

[Assessment of the fertilizing capacity of human spermatozoa using the zona free hamster ova penetration test (editorial)] Margalioth EJ, et al. **Harefuah** 1981 Dec 15;101(12):371–3 **(Heb)**

[Studies of fertilizing capacity of spermatozoa from infertile men with oligozoospermia. AIH by washed and concentrated spermatozoa and in vitro fertilizing capacity to zona free hamster eggs (author's transl)] Takada Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2041–6 (Eng. Abstr.) **(Jpn)**

[Structure and function of the basic chromatin proteins of the male gametes in animals] Khrapunov SN, et al. **Usp Sovrem Biol** 1981 Nov–Dec;92(3):323–37 (146 ref.) **(Rus)**

PHYSIOPATHOLOGY

Sperm function in patients with unexplained infertility. Templeton A, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):550–4

RADIATION EFFECTS

The effects of negative pions on spermatogonial survival in the mouse. Lambert BE, et al. **Br J Radiol** 1982 Feb; 55(650):147–50

Quantification of mammalian sperm morphology by slit-scan flow cytometry. Benaron DA, et al. **Cytometry** 1982 Mar; 2(5):344–9

The induction by gamma-rays of chromosome aberrations in spermatogonial stem cells of the mouse at low dose rates. Brezáni P, et al. **Folia Biol (Praha)** 1982;28(2):116–23

Cell progression and radiosensitivity of T1–prospermatogonia in Wistar rats. Hilscher WM, et al. **Int J Radiat Biol** 1982 May;41(5):517–24

Effects of 2.45 GHz microwave radiation and heat on mouse spermatogenic epithelium. Saunders RD, et al. **Int J Radiat Biol** 1981 Dec;40(6):623–32

Gamma-ray irradiation of the sperm of the fish Oryzias latipes and induction of gynogenesis. Ijiri K. **J Radiat Res (Tokyo)** 1980 Dec;21(3–4):263–70

Metaphase I delay as a factor influencing translocation yield from spermatogonial irradiation in mice carrying Robertsonian translocations. Crocker M. **Mutat Res** 1982 Mar;103(3–6):339–43

Genetic damage induced by X-rays or neutrons in spermatozoa of Drosophila melanogaster; differential processing in the oocytes of females carrying the DNA-repair-deficient mutants mei-9a and mus-101d1. Frei H. **Mutat Res** 1982 May;94(1):63–78

Neutrons and X-rays, comparative studies with Drosophila melanogaster. 2. Sex-chromosome loss and partial loss, evidence for the induction of chromatid aberrations in spermatozoa. Leigh B, et al. **Mutat Res** 1981 Nov; 84(1):107–12

Neutron- and X-ray-induced mutations at the yellow, white, forked and vermilion loci of Drosophila melanogaster; a preliminary analysis. Leigh B, et al. **Mutat Res** 1982 Feb 22;92(1–2):133–8

The effects of radiation dose-rate and quality on the induction of dominant lethals in mouse spermatids. Searle AG, et al. **Mutat Res** 1981 May;81(3):403–10

The response of germ cells of the mouse to the induction of non-disjunction by X-rays. Speed RM, et al. **Mutat Res** 1981 Dec;84(2):409–18

Absence of correlation between the chromosomal radiosensitivity of peripheral blood lymphocytes and stem-cell spermatogonia in mammals. van Buul PP. **Mutat Res** 1982 Jul;95(1):69–77

Clonal analysis of radiation-induced translocations in stem-cell spermatogonia of normal and T70H translocation heterozygous mice. Zwanenburg TS, et al. **Mutat Res** 1981 Sep;83(2):207–19

Photoreactivation associated with chromosomal abnormality in sea urchin eggs fertilized with ultraviolet-irradiated sperm. Ejima Y, et al. **Photochem Photobiol** 1982 Jul; 36(1):37–41

Photoreactivation associated with morphological abnormality in sea urchin embryos induced by ultraviolet-irradiated sperm. Ejima Y, et al. **Photochem Photobiol** 1982 Feb;35(2):175–80

Specific-locus mutation frequencies in mouse stem-cell spermatogonia at very low radiation dose rates. Russell WL, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):539–41

Interaction of microwave radiation with turkey sperm. Hall CA, et al. **Radiat Environ Biophs** 1982;20(2):145–52

The relative biological effect of high-Z, high-LET charged particles for spermatogonial killing. Alpen EL, et al. **Radiat Res** 1981 Oct;88(1):132–43

Growth of spermatogenetic colonies in the mouse testis after irradiation with fission neutrons. van den Aardweg GJ, et al. **Radiat Res** 1982 Jan;89(1):150–65

Longitudinal analyses of nuclear fuel sources for thermally-actuated long-term LVAD's in the primate: a ten-year study. Turner SA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:142–6

[Estimation of the genetic damage caused by therapeutic irradiation] Sobels FH. **Ned Tijdschr Geneeskd** 1982 Jun 12;126(24):1073–9 **(Dut)**

[Effect of the female mouse genotype on the yield of dominant lethal mutations induced by irradiation in the mature sperm of CBA strain males] Korogodina IuV. **Radiobiologiia** 1981;21(4):531–6 (Eng. Abstr.) **(Rus)**

[Effectiveness of using different radioprotectors for protecting the germ cells of male mice from the genetic action of radiation. 2. A frequency study of reciprocal translocations in the spermatogonia] Pomerantseva MD, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):841–6 (Eng. Abstr.) **(Rus)**

[Genetic effect of incorporated 14C in the male sex cells of mice. 1. The single administration of 14C-glucose] Shevchenko VA, et al. **Radiobiologiia** 1981 Sep–Oct; 21(5):780–4 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

A specific cytolytic T cell response induced by subcutaneous challenge with allogeneic rat epididymal spermatozoa. Thomas IK, et al. **J Reprod Immunol** 1981 Jul;3(3):157–64

Human pregnancy following oocyte and sperm transfer to the uterus. Craft I, et al. **Lancet** 1982 May 8;1(8280):1031–3

ULTRASTRUCTURE

A method of comparing spermatozoa with light and scanning electron microscopy. Sauvalle AM, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):371–5

An electron microscope study of spermiogenesis and spermatozoa of Molgula impura and Styela plicata (Ascidiacea, Tunicata). Villa L. **Acta Embryol Morphol Exp** 1981 Aug;2(1):69–85

Structural changes of the head components of the rat spermatid during late spermiogenesis. Lalli M, et al. **Am J Anat** 1981 Apr;160(4):419–34

A cytochemical study of the Golgi apparatus of the spermatid during spermiogenesis in the rat. Tang XM, et al. **Am J Anat** 1982 Apr;163(4):283–94

Asynapsis or diffuse diplotene in human male meiosis [letter] Dietrich A, et al. **Am J Hum Genet** 1982 Jan;34(1):146–7

Complete autosomal chromomere maps of human early and mid/late pachytene spermatocytes. Jagiello GM, et al. **Am J Hum Genet** 1982 Jan;34(1):112–24

Direct chromosomal analysis of human spermatozoa: preliminary results from 18 normal men. Martin RH, et al. **Am J Hum Genet** 1982 May;34(3):459–68

A study of mitosis, meiosis, histology, and scanning electron microscopic details of spermatogenesis in an infertile male with probable 46,XY/47,XXY germinal mosaicism. Rajendra BR, et al. **Am J Med Genet** 1981;10(2):119–31

Light microscopic and ultrastructural evidence of epithelial phagocytosis of sperm in the rete testis and ductuli efferentes in the bull. Goyal HO. **Am J Vet Res** 1982 May; 43(5):785–90

Bull sperm and mycoplasma [letter] Heath E. **Am J Vet Res** 1982 Mar;43(3):558

The fate of sperm after vasectomy in the hamster. Flickinger CJ. **Anat Rec** 1982 Feb;202(2):231–9

Cytophotometric study of spermatozoa in normal subjects. Lacroix B, et al. **Andrologia** 1982 Mar–Apr;14(2):110–2

Sperm surface changes during epididymal maturation. Olson GE, et al. **Ann NY Acad Sci** 1982;383:372–92

Modification of the sperm membrane during capacitation. O'Rand MG. **Ann NY Acad Sci** 1982;383:392–404 (42 ref.)

Ultrastructural studies of spermatozoa and the epithelial lining of the epididymis and vas deferens in rats treated with gossypol. Hoffer AP. **Arch Androl** 1982 Jun; 8(4):233–46

Induction of acrosomal reaction in sperm with ionophore A23187 and calcium. Jamil K, et al. **Arch Androl** 1981 Dec; 7(4):283–92

Calcium ionophore A23187 as a probe for freeze-fracture studies of membrane changes in the head of human spermatozoa. Jamil K, et al. **Arch Androl** 1982 Feb;8(1):1–9

An acrosomal abnormality in spermatids from infertile men. Söderström KO. **Arch Androl** 1981 Nov;7(3):275–8

Involvement of dolichol phosphates as intermediates in the mannosyl and galactosyl transferases of rat testicular germ cell Golgi apparatus membranes. Flanagan K, et al. **Biol Reprod** 1982 Feb;26(1):147–54

Segmental aplasia of the mitochondrial sheath and sequelae induced by gossypol in rat spermatozoa. Oko R, et al. **Biol Reprod** 1982 Feb;26(1):183–95

The clinical application of electron microscopy and the heterologous ova penetration test to the assessment of spermatozoa from infertile men. Pryor JP, et al. **Br J Urol** 1981 Dec;53(6):660–3

Analysis of chromosome movement in crane fly spermatocytes by ultraviolet microbeam irradiation of individual chromosomal spindle fibres. I. General results. Sillers PJ, et al. **Can J Biochem** 1981 Sep;59(9):770–6

Analysis of chromosome movement in crane fly spermatocytes by ultraviolet microbeam irradiation of individual chromosomal spindle fibres. II. Action spectra for stopping chromosome movement and for blocking ciliary beating and myofibril contractions. Sillers PJ, et al. **Can J Biochem** 1981 Sep;59(9):777–92

Aspects of the structure and development of monotreme spermatozoa and their relevance to the evolution of mammalian sperm morphology. Carrick FN, et al. **Cell Tissue Res** 1982 Jan;222(1):127–41

The effects of cytochalasin B and colchicine on the morphogenesis of mitochondria in Drosophila hydei during meiosis and early spermiogenesis. An in vitro study. Liebrich W. **Cell Tissue Res** 1982;224(1):161–8

A light microscopic study of the development and behaviour of the synaptonemal complex in spermatocytes of the mouse. Dietrich AJ, et al. **Chromosoma** 1981;83(3):409–18

Chromosome behaviour during early meiotic prophase of mouse primary spermatocytes. Oud JL, et al. **Chromosoma** 1981;83(3):395–407

Determinants of sperm nuclear shaping in the genus Xenopus. Risley MS, et al. **Chromosoma** 1982 Feb;84(4):557–69

The subunit structure of chromatin fibres. Subirana JA, et al. **Chromosoma** 1981;83(4):455–71

A comparative study of the effects of freezing and frozen storage on intact and demembranated bull spermatozoa. Lindemann CB, et al. **Cryobiology** 1982 Feb;19(1):20–8

Silver-staining patterns of mammalian epididymal spermatozoa. Elder FF, et al. **Cytogenet Cell Genet** 1981; 30(3):157–67

Sex vesicle-associated nucleolar organizers in mouse spermatocytes: localization, structure, and function. Knibiehler B, et al. **Cytogenet Cell Genet** 1981;31(2):47–57

Quantification of mammalian sperm morphology by slit-scan flow cytometry. Benaron DA, et al. **Cytometry** 1982 Mar; 2(5):344–9

Shaping of the sperm nucleus in Marsilea: a distinction between factors responsible for shape generation and shape determination. Myles DG, et al. **Dev Biol** 1982 Apr; 90(2):238–52

The location of the major protein in Caenorhabditis elegans sperm and spermatocytes. Ward S, et al. **Dev Biol** 1982 Jul;92(1):203–8

The role of clathrin-coated vesicles in acrosome formation. Griffiths G, et al. **Eur J Cell Biol** 1981 Dec;26(1):52–60

Selective staining of dictyosome-like structures (DLS) from spermatocytes of the guinea pig using phosphotungstic acid at low pH. Mollenhauer HH, et al. **Eur J Cell Biol** 1981 Oct;25(2):340–5

Structural organization of sperm chromatin from the fish Carassius auratus. Muñoz-Guerra S, et al. **Exp Cell Res** 1982 Jan;137(1):47–53

Harmless technique for removal of the cell coat from human spermatozoa. Silvestroni L, et al. **Experientia** 1982 Jun 15; 38(6):672–3

Scoring sperm morphology using the scanning electron microscope. Liakatas J, et al. **Fertil Steril** 1982 Aug; 38(2):227–32

Effect of glass wool filtration on ultrastructure of human spermatozoa. Sherman JK, et al. **Fertil Steril** 1981 Nov; 36(5):643–7

Ultrastructural observations on binding and membrane fusion between human sperm and zona pellucida-free hamster oocytes. Talbot P, et al. **Fertil Steril** 1982 Feb;37(2):240–8

Nucleolar fragmentation in the rat pachytene spermatocytes and the Sertoli cells caused by alpha-amanitin. Söderström KO. **Hereditas** 1981;94(2):171–7

An improved method for Y-body identification and confirmation of a high incidence of YY sperm nuclei. Klasen V, et al. **Hum Genet** 1981;58(2):156–61

A model for the structure of chromatin in mammalian sperm. Balhorn R. **J Cell Biol** 1982 May;93(2):298–305

Plasma-membrane diversity in a highly polarized cell. Friend DS. **J Cell Biol** 1982 May;93(2):243–9

Immunological dissimilarity in protein component (dynein 1) between outer and inner arms within sea urchin sperm axonemes. Ogawa K, et al. **J Cell Biol** 1982 Mar; 92(3):706–13

Fine structure and behaviour of a pericentric inversion in the sand rat, Psammomys obesus. Ashley T, et al. **J Cell Sci** 1981 Aug;50:105–19

The course of the acrosome reaction in guinea-pig sperm. Green DP. **J Cell Sci** 1982 Apr;54:161–71

Mitochondrial morphology in the spermatozoa of the Mexican axolotl, Ambystoma mexicanum. Keyhani E, et al. **J Cell Sci** 1981 Aug;50:449–61

The centriolar complex isolated from starfish spermatozoa. Kuriyama R, et al. **J Cell Sci** 1981 Jun;49:33–49

Autosomal spindle fibres influence subsequent sex-chromosome movement in crane-fly spermatocytes. Sillers PJ, et al. **J Cell Sci** 1981 Jun;49:51–67

Ultrastructural changes in the sperm-tail of zinc-deficient rats. Dinsdale D, et al. **J Comp Pathol** 1980 Oct; 90(4):559–66

Transmission and scanning electron microscopic studies of the human sperm chromatin decondensed by micrococcal nuclease and salt. Sobhon P, et al. **J Exp Zool** 1982 May 20;221(1):61–79

Ultrastructural studies on spermatogenesis in a parthenogenetic type of Paragonimus westermani (Kerbert 1878) proposed as P. pulmonalis (Baelz 1880). Fujino T, et al. **J Parasitol** 1982 Jun;68(3):433–41

Aneuploid spermatocyte frequency in domestic sheep heterozygous for three Robertsonian translocations. Bruère AN, et al. **J Reprod Fertil** 1981 Sep;63(1):61–6

Spermatozoa of the Atlantic bottlenosed dolphin, Tursiops truncatus. Fleming AD, et al. **J Reprod Fertil** 1981 Nov; 63(2):509–14

Epididymal origin of a coiled-tail sperm defect in a boar. Holt WV. **J Reprod Fertil** 1982 Mar;64(2):485–9

Isolation of plasma membranes from ram spermatozoa by a two-phase polymer system. Ivanov N, et al. **J Reprod Fertil** 1981 Sep;63(1):25–9

Ultrastructural study of the decapitated sperm defect in an infertile man. Perotti ME, et al. **J Reprod Fertil** 1981 Nov; 63(2):543–9

Different axoneme patterns in cilia and flagella of the same animal. Baccetti B, et al. **J Submicrosc Cytol** 1981 Jul;

13(3):479–81

Subcellular structure of the luminal content of the cauda epididymidis of the opossum (Didelphis azarae). Orsi AM, et al. **J Submicrosc Cytol** 1981 Oct;13(4):569–73

Description of the mitochondria–axoneme junction in sea urchin spermatozoa: presence of a flagellar necklace. Cosson MP, et al. **J Ultrastruct Res** 1982 Apr;79(1):47–57

The aberrant spermatozoa of Hydropsychidae caddisflies (Trichoptera): an electron microscope analysis on spermiogenesis. Friedländer M, et al. **J Ultrastruct Res** 1982 Jan;78(1):84–94

The morphological peculiarities of the typical spermatozoa of Theodoxus fluviatilis (L.) (Neritoidea) and their implications for motility. Giusti F, et al. **J Ultrastruct Res** 1982 Feb;78(2):166–77

Spermatozoa and spermatogenesis in homalorhagha kinorhyncha. Nyholm KG, et al. **J Ultrastruct Res** 1982 Jan;78(1):1–12

Fine structure of the testicular spermatozoa from the channel catfish, Ictalurus punctatus. Poirier GR, et al. **J Ultrastruct Res** 1982 Jul;80(1):104–10

Filamentous networks in crane–fly spermatocytes: osmotic lysis of cell monolayers attached to poly–L–lysine–derivatized coverslips. Strauch AR, et al. **J Ultrastruct Res** 1982 May;79(2):223–34

Purification and reassembly of tubulin from outer doublet microtubules. Farrell KW. **Methods Cell Biol** 1982;24 Pt A:61–78

Three–dimensional structure of the Golgi apparatus. Rambourg A, et al. **Methods Cell Biol** 1981;23:155–66 (20 ref.)

Effect of procarbazine treatment of mice on alpha–glycerolphosphate dehydrogenase activity and frequency of selected abnormalities in sperm. Burkhart JG, et al. **Mutat Res** 1982 Feb 22;92(1–2):249–56

Differential scattering of circularly polarized light by the helical sperm head from the octopus Eledone cirrhosa. Maestre MF, et al. **Nature** 1982 Aug 19;298(5876):773–4

Intracellular vacuoles or vesicles and invagination in boar spermatozoa. Kojima Y. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):37–41

Localization of cholesteryl sulfate in human spermatozoa in support of a hypothesis for the mechanism of capacitation. Langlais J, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7266–70

3–D microanatomy of human reproductive organs. Hafez ES. **Prog Clin Biol Res** 1981;59B:331–6

Tektin filaments: chemically unique filaments of sperm flagellar microtubules. Linck RW, et al. **Prog Clin Biol Res** 1982;80:127–32

Ultrastructural features of a human genetic defect of cilia. Sturgess JM, et al. **Prog Clin Biol Res** 1982;80:7–12

Fertility of unilaterally vasectomized rats and ultrastructure of sperm granuloma. Lopes CM, et al. **Rev Bras Biol** 1981 Nov;41(4):867–71

Factors affecting triple staining of human sperm. Talbot P, et al. **Stain Technol** 1981 Sep;56(5):307–9

Analysis of human spermatozoa for Y chromosomal nondisjunction. Kapp RW Jr, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):193–211

Undulating arrays of endoplasmic reticulum in the spermatids of an opisthobranch mollusc. Eckelbarger KJ. **Tissue Cell** 1982;14(2):289–95

Fertilization in a crab. II. Cytological aspects of the cortical reaction and fertilization envelope elaboration. Goudeau M, et al. **Tissue Cell** 1982;14(2):273–82

The acrosomal zonule. Maxwell WL. **Tissue Cell** 1982; 14(2):283–8

Spermatogenesis in the boar. Frankenhuis MT, et al. **Vet Q** 1982 Apr;4(2):57–61

Annulate lamellae in the spermatids of the rat. Söderström KO. **Z Mikrosk Anat Forsch** 1981;95(5):845–54

[Dynamic interaction between spermatozoa and the mucosa of the female genital tract in the mouse: study using scanning and transmission electron microscopy] Familiari G, et al. **Bull Assoc Anat (Nancy)** 1981 Mar;65(188):83–92 (Eng. Abstr.) **(Fre)**

[Structural anomalies in disorders human of sperm motility in 60 cases of asthenospermia] Terquem A, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):567–76 (Eng. Abstr.) **(Fre)**

[Ultrastructural study of spermatogenesis and spermatozoa of Platyhelminthe: Gonapodasmius (Trematoda:Didymozoidae)] Justine JL, et al. **J Ultrastruct Res** 1982 Jun;79(3):350–65 (Eng. Abstr.) **(Fre)**

[Histochemical, cytochemical and ultrastructural studies of spermatogenesis] Sinowatz F, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:137–46 **(Ger)**

[Semen quality of German Merino breed rams over the period the a year (December 1979 to December 1980) with special reference to acrosome morphology] Günzel AR, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 1;95(3):49–55 (Eng. Abstr.) **(Ger)**

[The diagnostic possibilities of the spermiogram] Rodermund OE, et al. **MMW** 1981 May 15;123(20):845–7 **(Ger)**

[Immotile–cilia syndrome (author's transl)] Ito H, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Feb;73(2):206–10 (Eng. Abstr.) **(Jpn)**

[A case of immotile cilia syndrome (author's transl)] Nagai A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):335–9 (Eng. Abstr.) **(Jpn)**

[Ribosomal genes of the loach Misgurnus fossilis L. Isolation and restriction analysis] Kupriianova NS, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1180–7 (Eng. Abstr.) **(Rus)**

[Ultrastructural study in the epididymis of vasectomized hamsters (Mesocricetus auratus)] Ureña F, et al. **Rev Biol Trop** 1981 Dec;29(2):237–49 (Eng. Abstr.) **(Spa)**

SPERMICIDAL AGENTS see **SPERMATOCIDAL AGENTS**

SPERMIDINE

Actin–polyamines interaction : relationship between physicochemical properties and cytokinesis induction. Oriol–Audit C. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1096–101

Stabilization of 30 S ribosomal subunits of Bacillus subtilis W168 by spermidine and magnesium ions. Igarashi K, et al. **Biochim Biophys Acta** 1982 May 31;697(2):185–92

[DNA condensation by spermidine. Photon correlation spectroscopy study] Eremenko SI, et al. **Biofizika** 1981 Jul–Aug;26(4):726–7 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Occurrence of sym–homospermidine in extremely thermophilic bacteria. Oshima T, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):156–60

N–nitrosospermidine: the principal nitrosation product of spermidine. Takeda Y, et al. **Experientia** 1981;37(9):1007–8

Formation of acetylpolyamines in the liver of fasting animals. Seiler N, et al. **Int J Biochem** 1981;13(12):1205–14

Widespread occurrence of norspermidine and norspermine in eukaryotic algae. Hamana K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1321–8

Single–step high–performance liquid chromatographic method for the analysis of acetylated polyamines. Prussak CE, et al. **J Chromatogr** 1982 Apr 16;229(1):47–56

Use of tricatecholamide ligands to alter the biodistribution of gallium–67: concise communication. Moerlein SM, et al. **J Nucl Med** 1982 Jun;23(6):501–6

ANALYSIS

Chromophoric determination of putrescine, spermidine and spermine with dabsyl chloride by high–performance liquid chromatography and thin–layer chromatography. Lin JK, et al. **J Chromatogr** 1982 Feb 12;227(2):369–77

Spermidine, an intrinsic component of turnip yellow mosaic virus. Cohen SS, et al. **Proc Natl Acad Sci USA** 1981 Sep; 78(9):5470–4

ANTAGONISTS & INHIBITORS

Biological properties of N4–spermidine derivatives and their potential in anticancer chemotherapy. Porter CW, et al. **Cancer Res** 1982 Oct;42(10):4072–8

BIOSYNTHESIS

Regulation of tRNA methyltransferase activities by spermidine and putrescine. Inhibition of polyamine synthesis and tRNA methylation by alpha–methylornithine or 1,3–diaminopropan–2–ol in Dictyostelium. Mach M, et al. **Biochem J** 1982 Jan 15;202(1):153–62

Regulation of the biosynthesis of putrescine, spermidine and spermine in fungi. Stevens L. **Med Biol** 1981 Dec; 59(5–6):308–13 (42 ref.)

BLOOD

Blood polyamine levels in psoriasis patients undergoing PUVA treatment. Rosengren E, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):562–5

ISOLATION & PURIFICATION

Pulmonary polyamine permeability factor. Gleisner JM, et al. **Inflammation** 1981 Jun;5(2):127–36

METABOLISM

Binding of 14C–spermidine to melanin in vivo and in vitro. Tjälve H, et al. **Acta Physiol Scand** 1981 Jun;112(2):209–14

Formation and interconversion of putrescine and spermidine in mammalian cells. Pegg AE, et al. **Adv Enzyme Regul** 1980;19:427–51

Role of polyamines in the proliferation and steroidogenic activities of bovine adrenocortical cells in culture. Duperray A, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1294–301

Indirect evidence for a strict negative control of S–adenosyl–L–methionine decarboxylase by spermidine in rat hepatoma cells. Mamont PS, et al. **Biochem J** 1981 May 15;196(2):411–22

On the formation of amino acids deriving from spermidine and spermine. Seiler N, et al. **Biochem J** 1981 Oct 15; 200(1):123–32

Temperature–dependent and transformation–associated changes in polyamine metabolism in normal and Rous sarcoma virus–infected chick embryo fibroblasts. Hölttä E, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):1–6

Role of polyamines in the control of cell proliferation and differentiation. Heby O. **Differentiation** 1981;19(1):1–20 (183 ref.)

Spermidine levels and its relationship to DNA synthesis in outgrowing spores and vegetative cells of Bacillus subtilis. Ginsberg D, et al. **FEBS Lett** 1982 Jan 25;137(2):181–5

Mass spectrometric identification of isoputreanine, a metabolite of spermidine and/or spermine, in human urine. Muskiet FA, et al. **J Chromatogr** 1982 Jun 11;230(1):142–7

Excretion of polyamines from baby hamster kidney cells (BHK–21/C13: effect of infection with Herpes Simplex Virus Type 1. Wallace HM, et al. **J Gen Virol** 1981 Oct; 56(Pt 2):251–8

Metabolism and axonal transport of polyamines in a single identified neuron of Aplysia californica. Kremzner LT, et al. **J Neurochem** 1982 Jun;38(6):1719–27

Decreased polyamine content of concanavalin a stimulated lymphocytes in Down's syndrome subjects. McCoy EE, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):314–7

Effect of polyamines on the formation of DNA–immunoglobulin G complexes. Baeza IR, et al. **Rev Latinoam Microbiol** 1980 Oct–Dec;22(4):213–9

[Role of polyamines in the pathogenesis of uremia] Lutz W, et al. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):431–52 (108 ref.) **(Pol)**

[Occurrence and role of polyamines in prokaryotes and eukaryotes with special reference to fungi] Macura AB. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):419–29 (35 ref.) **(Pol)**

PHARMACODYNAMICS

Effects of spermidine and spermine on DNA synthesis in isolated nuclei and on the activity of DNA polymerases alpha and beta from the mammary gland of pregnant rabbit. Kleczkowska D, et al. **Acta Biochim Pol** 1981; 28(3–4):295–305

The effect of spermidine on endonuclease inhibition by agarose contaminants. Bouché JP. **Anal Biochem** 1981 Jul 15;115(1):42–5

Polyamines are needed for the differentiation of 3T3–L1 fibroblasts into adipose cells. Bethell DR, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):272–8

Variable rate of polypeptide chain elongation in vitro. Effect of spermidine. Abraham AK, et al. **Eur J Biochem** 1980 May;106(1):257–62

Hydrolyzing activities on cAMP in E. coli B cells incubated in the presence of polyamines. Illiano G, et al. **Int J Biochem** 1982;14(4):247–50

Catenation of DNA rings by topoisomerases. Mechanism of control by spermidine. Krasnow MA, et al. **J Biol Chem** 1982 Mar 10;257(5):2687–93

PHYSIOLOGY

Spermine and spermidine as inhibitors of gastrointestinal motor activity. Tansy MF, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):74–80

URINE

Further evidence for the use of polyamines as biochemical markers for malignant tumors. Horn Y, et al. **Cancer Res** 1982 Aug;42(8):3248–51

SPERMINE

Actin–polyamines interaction : relationship between physicochemical properties and cytokinesis induction. Oriol–Audit C. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1096–101

Studies on the selectivity of DNA precipitation by spermine. Hoopes BC, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5493–504

ADMINISTRATION & DOSAGE

[Effects of intraperitoneally administered spermine on ingestive behavior, serum glucose and free fatty acids concentrations in rats (author's transl)] Kohno H, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):361–70 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Formation of acetylpolyamines in the liver of fasting animals. Seiler N, et al. **Int J Biochem** 1981;13(12):1205–14

Widespread occurrence of norspermidine and norspermine in eukaryotic algae. Hamana K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1321–8

Single–step high–performance liquid chromatographic method for the analysis of acetylated polyamines. Prussak CE, et al. **J Chromatogr** 1982 Apr 16;229(1):47–56

ANALYSIS

Chromophoric determination of putrescine, spermidine and spermine with dabsyl chloride by high–performance liquid chromatography and thin–layer chromatography. Lin JK, et al. **J Chromatogr** 1982 Feb 12;227(2):369–77

A new enzymatic method for quantitation of spermine in human semen. Suzuki O, et al. **Z Rechtsmed** 1982; 88(1–2):67–73

BIOSYNTHESIS

Regulation of the biosynthesis of putrescine, spermidine and spermine in fungi. Stevens L. **Med Biol** 1981 Dec;

59(5–6):308–13 (42 ref.)

BLOOD

Blood polyamine levels in psoriasis patients undergoing PUVA treatment. Rosengren E, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):562–5

ISOLATION & PURIFICATION

Pulmonary polyamine permeability factor. Gleisner JM, et al. **Inflammation** 1981 Jun;5(2):127–36

METABOLISM

Role of polyamines in the proliferation and steroidogenic activities of bovine adrenocortical cells in culture. Duperray A, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1294–301

Evidence for a 1,25-dihydroxycholecalciferol-dependent spermine-binding protein in chick duodenal mucosa. Mezzetti G, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):287–94

On the formation of amino acids deriving from spermidine and spermine. Seiler N, et al. **Biochem J** 1981 Oct 15; 200(1):123–32

Association of spermine and 4S RNA during axonal transport in regenerating optic nerves of goldfish. Ingoglia NA, et al. **Brain Res** 1982 Apr 29;238(2):341–51

Role of polyamines in the control of cell proliferation and differentiation. Heby O. **Differentiation** 1981;19(1):1–20 (183 ref.)

Binding of spermine to tRNATyr stabilizes the conformation of the anticodon loop and creates strong binding sites for divalent cations. Nöthig-Laslo V, et al. **Eur J Biochem** 1981 Jul;117(2):263–7

Mass spectrometric identification of isoputreanine, a metabolite of spermidine and/or spermine, in human urine. Muskiet FA, et al. **J Chromatogr** 1982 Jun 11;230(1):142–7

Metabolism and axonal transport of polyamines in a single identified neuron of Aplysia californica. Kremzner LT, et al. **J Neurochem** 1982 Jun;38(6):1719–27

Decreased polyamine content of concanavalin a stimulated lymphocytes in Down's syndrome subjects. McCoy EE, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):314–7

Heat-sensitive spermine-binding factor from peripheral human lymphocyte. Mezzetti G, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):280–3

Effect of polyamines on the formation of DNA–immunoglobulin G complexes. Baeza IR, et al. **Rev Latinoam Microbiol** 1980 Oct–Dec;22(4):213–9

[Role of polyamines in the pathogenesis of uremia] Lutz W, et al. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):431–52 (108 ref.) **(Pol)**

[Occurrence and role of polyamines in prokaryotes and eukaryotes with special reference to fungi] Macura AB. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):419–29 (35 ref.) **(Pol)**

PHARMACODYNAMICS

Effects of spermidine and spermine on DNA synthesis in isolated nuclei and on the activity of DNA polymerases alpha and beta from the mammary gland of pregnant rabbit. Kleczkowska D, et al. **Acta Biochim Pol** 1981; 28(3–4):295–305

Effect of polyamines on prostaglandin synthesis in various cell-free systems. Igarashi K, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):659–66

Effect of spermine on the inhibition by fatty acid on AMP deaminase reaction as a control system of the adenylate energy charge in yeast. Yoshino M, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):905–10

Effect of spermine on hepatic polyribosomes and protein synthesis in rats. Sidransky H, et al. **Biochem Med** 1982 Feb;27(1):68–81

Mechanism of aminoacylation of tRNA. Influence of spermine on the kinetics of aminoacyl-tRNA synthetases by isoleucyl- and valyl-tRNA synthetases from Mycobacterium smegmatis. Natarajan V, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):94–101

Spermine and aminoguanidine protect cells from chromosome aberrations induced by adenovirus during the G2 phase of the cell cycle. Bellett AJ, et al. **Chromosoma** 1982 Feb;84(4):571–83

Hydrolyzing activities on cAMP in E. coli B cells incubated in the presence of polyamines. Illiano G, et al. **Int J Biochem** 1982;14(4):247–50

Effect of polyamines on fertilization of mouse ova in vitro. Stanger JD, et al. **J Exp Zool** 1982 May 1;220(3):377–80

Changes in ingestive behavior, serum glucose and free fatty acids concentrations in rats following intracerebroventricular injection of spermine. Kohno H, et al. **Jpn J Pharmacol** 1981 Dec;31(6):863–73

Spermine-mediated phosphorylation of RNA polymerase I and its effect on transcription. Jacob ST, et al. **Med Biol** 1981 Dec;59(5–6):381–8

Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from Trypanosoma brucei brucei, mouse thymus and murine leukemia virus. Marcus SL, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):231–43

Carcinogen-DNA interaction: differential effects of distamycin-a and spermine on the formation of 7-methylguanine in DNA by N-methyl-N-nitrosourea, methylmethanesulfonate, and dimethylsulfate. Rajalakshmi S, et al. **Teratogenesis Carcinog Mutagen** 1980;1(1):97–104

PHYSIOLOGY

Abnormal behavior of polyamines on gel filtration: a cautionary note. Patt LM, et al. **Cell Biol Int Rep** 1981 Aug;5(8):797–803

Spermine and spermidine as inhibitors of gastrointestinal motor activity. Tansy MF, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):74–80

SECRETION

The spontaneous and evoked release of spermine from rat brain in vitro. Harman RJ, et al. **Br J Pharmacol** 1981 May; 73(1):165–74

URINE

Further evidence for the use of polyamines as biochemical markers for malignant tumors. Horn Y, et al. **Cancer Res** 1982 Aug;42(8):3248–51

SPERMINE SYNTHASE see under **TRANSFERASES**

SPERMOPHILUS see **SCIURIDAE**

SPHAERIALES see under **ASCOMYCETES**

SPHAEROPHORUS see **FUSOBACTERIUM**

SPHAEROPHORUS INFECTIONS see **FUSOBACTERIUM INFECTIONS**

SPHAEROPHORUS NECROPHORUS see **FUSOBACTERIUM NECROPHORUM**

SPHENOID BONE

Meningioma of the falx cerebri, optic atrophy, and erosion of the clinoids: coincidence or cause and effect. Avisar R, et al. **Ann Ophthalmol** 1982 Apr;14(4):378–9

Visual loss from cavernous hemangiomas of the middle cranial fossa. Harper DG, et al. **Arch Neurol** 1982 Apr; 39(4):252–4

'How I do it' -- head and neck. A targeted problem and its solution. Electrocoagulation of the vidian nerve via the nasal passage. Portmann M, et al. **Laryngoscope** 1982 Apr; 92(4):453–5

Role of radiation therapy in the management of meningioma. Carella RJ, et al. **Neurosurgery** 1982 Mar;10(3):332–9

Hyperostosing meningiomas of the sphenoid ridge--clinical features, surgical therapy, and long-term observations: review of 49 cases. Pompili A, et al. **Surg Neurol** 1982 Jun;17(6):411–6

[Foreign body of the pterygo-palatine fossa (author's transl)] Bętkowski A, et al. **Przegl Lek** 1982;39(4):329–30 **(Pol)**

[Removal of a foreign body from the left pterygopalatine fossa under television x-ray control] Seniukov MV, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):68 **(Rus)**

ABNORMALITIES

[Recurrent meningitis caused by a spheno-ethmoidal meningoencephalocele] Palencia Luances R, et al. **An Esp Pediatr** 1982 Jan;16(1):92–4 **(Spa)**

ANATOMY & HISTOLOGY

[The distances between the right and left medial pterygoid plates (author's transl)] Kobayashi H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Nov 20; 83(11):1454–60 (Eng. Abstr.) **(Jpn)**

INJURIES

CT and VER follow-up of reversible visual loss with fracture of the optic canal. Shaked A, et al. **Acta Neurochir (Wien)** 1982;62(1–2):91–4

Proptosis secondary to subdural hematoma. Skalka HW. **Arch Ophthalmol** 1982 Mar;100(3):448–50

INNERVATION

[On pterygoid canal nerve neurectomy (author's transl)] Bętkowski A. **Otolaryngol Pol** 1981;35(4–6):393–9 **(Pol)**

PATHOLOGY

Aneurysmal bone cyst of the sphenoid in a child. Kimmelman CP, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):339–41

The pterygoid hamulus. A consideration in the diagnosis of posterior palatal lesions. Charbeneau TD, et al. **Oral Surg** 1981 Dec;52(6):574–6

[Letterer–Siwe in an eighteen-month child (author's transl)] Serrano Galnares J, et al. **An Esp Pediatr** 1981 Jun; 14(6):444–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Arteriovenous malformation with middle cranial fossa expansion a previously unrecorded association. Thakkar CH, et al. **Neuroradiology** 1982;23(1):49–51

SURGERY

Meningiomas of the basal parapituitary region: technical considerations. Ojemann RG. **Clin Neurosurg** 1980; 27:233–62

Transsphenoidal microsurgical removal of growth hormone-secreting pituitary adenomas. A review of 137 cases. Barkin DS, et al. **J Neurosurg** 1982 May;56(5):634–41

SPHENOID SINUS

Sphenoid sinus mucocoele presenting as hypophyseal tumour. Gerlings PG. **Acta Neurochir (Wien)** 1982;61(1–3):167–71

Extended transantral approach to pterygomaxillary tumors. Krause CJ, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug; 91(4 Pt 1):395–8

Cushing's disease in a patient with an ectopic pituitary adenoma. Kammer H, et al. **JAMA** 1981 Dec 11; 246(23):2722–4

Hemangiopericytoma of the sphenoid sinus. Kimmelman CP. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):713–6

Inverting papilloma of the sphenoid sinus. McElveen JT Jr, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):710–2

Case report 200. Osteoma of the sphenoidal sinus. Dolan KD, et al. **Skeletal Radiol** 1982;8(3):233–4

[Superior dental neuralgia as a presenting feature of ethmosphenoidal carcinoma (author's transl)] Le Grignou P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):53–5 (Eng. Abstr.) **(Fre)**

INJURIES

[Combined gunshot wound of the orbit, ethmoidal labyrinth and sphenoid sinus] Tsetsarskii BM, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):67 **(Rus)**

PATHOLOGY

Sphenoid sinus fluid level in skull-base fractures. Laasonen EM, et al. **Eur J Radiol** 1982 Feb;2(1):5–7

Necrotizing sialometaplasia in the setting of acute and chronic sinusitis. Granich MS, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1532–5

RADIOGRAPHY

Aneurysmal bone cyst of the sphenoid in a child. Kimmelman CP, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):339–41

Peripheral nerve sheath tumors of the paranasal sinuses. Shugar JM, et al. **Head Neck Surg** 1981 Sep–Oct;4(1):72–6

Sphenoid pneumosinus dilatans. A sign of meningioma originating in the optic canal. Hirst LW, et al. **Neuroradiology** 1982;22(4):207–10

SURGERY

'How I do it'--head and neck. A targeted problem and its solution. Transseptal approach to the sphenoid sinus. Hybels RL, et al. **Laryngoscope** 1981 Oct;91(10):1754–5

Sphenoethmoidectomy: its role in the asthmatic patient. Friedman WH, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):171–7

[Aspergilloma of the sphenoid sinus with aspergillus meningitis (author's transl)] Strohm M. **Laryngol Rhinol Otol (Stuttg)** 1982 Jan;61(1):48–51 (Eng. Abstr.) **(Ger)**

[Conservative surgical approach to the sphenoid sinus and to the sella turcica] Revskoi IuK. **Vestn Otorinolaringol** 1981 Jul–Aug;(4):64–6 **(Rus)**

SPHEROCYTES see under **ERYTHROCYTES, ABNORMAL**

SPHEROCYTOSIS, HEREDITARY

see related **ANEMIA, SIDEROBLASTIC**

BLOOD

Abnormal phosphoenolpyruvate transport in erythrocytes of hereditary spherocytosis. Ideguchi H, et al. **Acta Biol Med Ger** 1981;40(4–5):555–8

Characteristics of peripheral blood monocytes in hereditary xerocytosis and spherocytosis. Snyder LM, et al. **Acta Haematol (Basel)** 1982;67(4):268–74

Hereditary spherocytosis of man. Altered binding of cytoskeletal components to the erythrocyte membrane. Hill JS, et al. **Biochem J** 1982 Feb 1;201(2):259–66

The molecular basis of the defect in phosphorylation of spectrin in human hereditary spherocytosis. Thompson S, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):38–44

The abnormal phosphorylation of spectrin in human hereditary spherocytosis. Thompson S, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):31–7

Serum ferritin in patients with hereditary spherocytosis. Blacklock HA, et al. **Br J Haematol** 1981 Sep;49(1):117–22

Plasma and erythrocyte lipids in hereditary spherocytosis. Johnsson R, et al. **Clin Chim Acta** 1981 Aug 10; 114(2–3):263–8

Thrombocyte aggregation in hereditary spherocytosis. Johnsson R, et al. **Clin Chim Acta** 1982 Mar 12; 119(3):257–62

Pincered red cells and hereditary spherocytosis. Cazzola M,

et al. **Haematologica (Pavia)** 1981 Aug;66(4):498–502

Detection of erythrocyte membrane protein alterations in hereditary spherocytosis through the use of thermal stress: a spin label study. Fung LW, et al. **Life Sci** 1981 Nov 16; 29(20):2071–9

Deficient red-cell spectrin in severe, recessively inherited spherocytosis. Agre P, et al. **N Engl J Med** 1982 May 13; 306(19):1155–61

Spectrin and spherocytosis [editorial] Shohet SB. **N Engl J Med** 1982 May 13;306(19):1179–1

Evidence for imbalanced furosemide-sensitive Na+, K+ cotransport in hereditary stomatocytosis. Chailley B, et al. **Scand J Haematol** 1981 Nov;27(5):365–73

[Studies on the erythrocyte deformability in hereditary spherocytosis (author's transl)] Kawasaki T, et al. **Rinsho Ketsueki** 1981 Jun;22(6):855–61 (Eng. Abstr.) **(Jpn)**

[Hemoglobin G-San José associated with hereditary spherocytosis in a Mexican family (author's transl)] Espinosa Jurcott J, et al. **Rev Invest Clin** 1981 Oct–Dec; 33(4):383–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Hereditary spherocytosis with haemolytic crisis during pregnancy. Ventura CS. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):50–3

Concurrent Von Recklinghausen's neurofibromatosis, hereditary spherocytosis and fronto nasal dysplasia. Kimberling WJ, et al. **Nebr Med J** 1982 Jun;67(6):151–4

[Hereditary spherocytosis and polycythemia] Heilmann E, et al. **Folia Haematol (Leipz)** 1982;109(2):272–7 (Eng. Abstr.) **(Ger)**

[Open heart surgery in a patient with suffering from hereditary spherocytosis(HS) (author's transl)] Takeda Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun; 29(6):1092–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Screening tests for spherocytosis [letter] Zanella A, et al. **Br J Haematol** 1981 Nov;49(3):489–90

Failure of ouabain to influence the osmotic fragility in hereditary spherocytosis. Godal HC, et al. **Scand J Haematol** 1982 Mar;28(3):251–3

[Hereditary spherocytosis in children] Assmann P, et al. **Ned Tijdschr Geneeskd** 1982 May 29;126(22):994–8 (Eng. Abstr.) **(Dut)**

[Case of congenital spherocytosis in a 27-year-old woman] Nieglos J, et al. **Wiad Lek** 1981 Jul 15;34(14):1201–4 **(Pol)**

[Various differential-diagnostic criteria of hemolytic and a regenerative crises in children with hereditary spherocytosis] Mamatieva AA. **Pediatriia** 1982 Feb;(2):45–8 **(Rus)**

[Nature of the course, diagnosis and treatment procedure in Minkowski-Chauffard hemolytic anemia in nursing infants] Sobenevskaia LN. **Pediatriia** 1981 May;(5):28–9 **(Rus)**

FAMILIAL & GENETIC

Identification of the molecular defect in the erythrocyte membrane skeleton of some kindreds with hereditary spherocytosis. Goodman SR, et al. **Blood** 1982 Sep; 60(3):772–84

HISTORY

[History of congenital spherocytosis (author's transl)] Binet JL. **Nouv Rev Fr Hematol** 1981 Sep;23(3):177–84 **(Fre)**

METABOLISM

Altered spectrin dimer-dimer association and instability of erythrocyte membrane skeletons in hereditary pyropoikilocytosis. Liu SC, et al. **J Clin Invest** 1981 Sep; 68(3):597–605

PATHOLOGY

Isolation and characterization of mucoid and non-mucoid Salmonella oranienburg isolated from pleural effusion of a patient with hemolytic anemia. Saitoh Y, et al. **Tohoku J Exp Med** 1982 Apr;136(4):379–86

RADIOGRAPHY

[Roentgen diagnosis of hereditary spherocytosis (author's transl)] Zhao SX. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):275–7 **(Chi)**

THERAPY

[Treatment of hematologic disorders in children by splenic artery ligation (author's transl)] Harouchi A, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):109–13 (Eng. Abstr.) **(Fre)**

[Occurrence of serious post-splenectomy infection in adults splenectomized for hereditary spherocytosis (author's transl)] Gómez-Almaguer D, et al. **Rev Invest Clin** 1981 Jul–Sep;33(3):329–31 (Eng. Abstr.) **(Spa)**

SPHEROPLASTS

DRUG EFFECTS

Penicillin-induced unstable intracellular formation of spheroplasts by rickettsiae. Wisseman CL Jr, et al. **J Infect Dis** 1982 Aug;146(2):147–58

Saccharomyces cerevisiae spheroplasts are sensitive to the action of diphtheria toxin. Murakami S, et al. **Mol Cell Biol** 1982 May;2(5):588–92

METABOLISM

An efficient technique for the isolation of yeast spores and the preparation of spheroplast lysates active in protein synthesis. Wolska-Mitaszko B, et al. **Anal Biochem** 1981 Sep 15;116(2):241–7

Reconstitution of binding protein dependent active transport of glutamine in spheroplasts of Escherichia coli. Masters PS, et al. **Biochemistry** 1981 Aug 18;20(17):4900–4

Some factors regulating [1-14C] acetate incorporation into aflatoxins by spheroplasts and spheroplast lysates from Aspergillus. Tyagi JS, et al. **Toxicon** 1981;19(4):445–54

ULTRASTRUCTURE

Spheroplast formation of Mycobacterium smegmatis and morphological aspects of their reversion to the bacillary form. Udou T, et al. **J Bacteriol** 1982 Aug;151(2):1035–9

SPHINGOGLYCOLIPIDS see **GLYCOSPHINGOLIPIDS**

SPHINGOLIPIDOSIS

CEREBROSPINAL FLUID

Increased non-protein-bound iron and decreased protection against superoxide-radical damage in cerebrospinal fluid from patients with neuronal ceroid lipofuscinoses. Gutteridge JM, et al. **Lancet** 1982 Aug 28;2(8296):459–60

DIAGNOSIS

Diagnosis of metachromatic leukodystrophy, Krabbe disease, and Farber disease after uptake of fatty acid-labeled cerebroside sulfate into cultured skin fibroblasts. Kudoh T, et al. **J Clin Invest** 1982 Jul;70(1):89–97

[Use of lysosome enzymes in genetic counseling] Krasnopol'skaia KD, et al. **Vopr Med Khim** 1982 May-Jun; 28(3):50–5 **(Rus)**

[Heterogeneity of inborn glycolipidoses and glycoproteinoses and their enzymologic diagnosis] Tsvetkova IV. **Vopr Med Khim** 1982 May-Jun;28(3):32–41 (45 ref.) **(Rus)**

ETIOLOGY

[Sphingolipidosis] Lutz W. **Pol Tyg Lek** 1980 Dec 29; 35(52):2067–71 **(Pol)**

FAMILIAL & GENETIC

[Phenotypes in heteroglycanoses and sphingolipidoses (author's transl)] Gehler J. **Monatsschr Kinderheilkd** 1981 Nov;129(11):610–20 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Adult-onset ceroid lipofuscinosis [letter] Hewlett RH. **S Afr Med J** 1982 Feb 13;61(7):221–2

PHYSIOPATHOLOGY

Multimodality evoked responses in leukodystrophies. Markand ON, et al. **Adv Neurol** 1982;32:409–16

SPHINGOLIPIDS

ISOLATION & PURIFICATION

Characterization of the exometabolite of Leishmania donovani as a novel glycopeptidophosphosphingolipid. Semprevivo LH, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1179–85

METABOLISM

Effect of suramin on the activities of degradative enzymes of sphingolipids in rats. Constantopoulos G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):87–97

PHARMACODYNAMICS

Sphingolipid-induced enhancement of receptor-mediated uptake of low density lipoproteins in normal and receptor-deficient human skin fibroblasts. Filipovic I, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):112–8

Effects of sphingolipids on erythroblastic maturation in the mouse. Scaro JL, et al. **Experientia** 1982 Mar 15;38(3):401–3

SPHINGOMYELIN PHOSPHODIESTERASE see under **PHOSPHODIESTERASES**

SPHINGOMYELINS

Thermal behavior of stearoylsphingomyelin-cholesterol dispersions. Estep TN, et al. **Biochemistry** 1981 Dec 8; 20(25):7115–8

Acyl chain order and lateral domain formation in mixed phosphatidylcholine—sphingomyelin multilamellar and unilamellar vesicles. Lentz BR, et al. **Biochemistry** 1981 Nov 24;20(24):6803–9

The effects of bovine myelin basic protein on the phase transition properties of sphingomyelin. Epand RM, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):230–2

Theory of the conformational order of single component sphingomyelin bilayers. Merajver SD, et al. **J Theor Biol** 1981 Dec 21;93(4):737–55

ANALYSIS

Lipid-laden cells in amniotic fluid and the lecithin-sphingomyelin ratio [letter] Bamezai R, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):99

Correlation of amylase and lecithin sphingomyelin ratios in amniotic fluid samples. Williams LH, et al. **Am J Clin Pathol** 1982 Jul;78(1):85–9

Laboratory variables in determining lecithin/sphingomyelin ratios. Parker SL. **Am J Med Technol** 1981 Nov; 47(11):901–3 (21 ref.)

Explanation for lack of agreement between lecithin/sphingomyelin ratio of amniotic fluid in diabetic pregnancies and occurrence of respiratory distress [letter] Gebhardt DO. **Am J Obstet Gynecol** 1982 Apr 15; 142(8):1068–9

Orientational order in the choline headgroup of sphingomyelin: A 14N-NMR study. Siminovitch DJ, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):270–8

'High risk' lecithin/sphingomyelin ratios associated with neonatal diaphragmatic hernia. Case reports. Berk C, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):250–1

Improved procedure for lecithin/sphingomyelin ratio in amniotic fluid reduces false predictions of lung immaturity. Brown LM, et al. **Clin Chem** 1982 Feb;28(2):344–8

Evaluation of fetal lung maturity by measurement of 1,6-diphenyl-1,3,5-hexatriene fluorescence polarization in amniotic fluid. Cheskin HS, et al. **Clin Chem** 1981 Nov; 27(11):1934–7

A modified Gluck method for the lecithin/sphingomyelin ratio with increased specificity and validity [letter] Huang NH, et al. **Clin Chem** 1981 Oct;27(10):1774–6

Effect of charring temperature on observed L/S ratio. Mueller RG. **Clin Chim Acta** 1982 Jun 16;122(1):79–83

The effect of humidity on the determination of lecithin/sphingomyelin ratio and phosphatidylglycerol by thin-layer chromatography. Tsao FH. **Clin Chim Acta** 1982 Jun 16;122(1):75–8

Differential study of phosphatidylcholine and sphingomyelin in human high-density lipoproteins with lipid-specific fluorescent probes. Molotkovsky JG, et al. **Eur J Biochem** 1982 Mar 1;122(3):573–9

Improved thin-layer chromatographic assay for monitoring lecithin/sphingomyelin ratios in amniotic fluid. Larsen HF, et al. **J Chromatogr** 1981 Dec 11;226(2):484–7

Comparison of the values for filter-trapped phospholipids with those for the lecithin/sphingomyelin ratio of amniotic fluid. A preliminary report. Gebhardt DO, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):295–8

Persistence Time of the Ring of Bubbles (PTRB): a method for the quantification of the Foam Tests. Dávila Aveiga E, et al. **J Perinat Med** 1981;9(6):275–85

The effects of vaginal contamination on two pulmonary phospholipid assays. Phillippe M, et al. **J Reprod Med** 1982 May;27(5):283–6

Diagnostic reliability of the lecithin/sphingomyelin ratio assay and the quantitative foam stability index test: results of a comparative study. Sher G, et al. **J Reprod Med** 1982 Feb;27(2):51–5

Effect of meconium contamination on amniotic fluid lecithin: sphingomyelin ratio. Tabsh KM, et al. **Obstet Gynecol** 1981 Nov;58(5):605–8

Lecithin:sphingomyelin ratio in pregnancies complicated by insulin-dependent diabetes mellitus. Tabsh KM, et al. **Obstet Gynecol** 1982 Mar;59(3):353–8

[Measurement of L/S ratio in amniotic fluid and its clinical application (author's transl)] Cai GS. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):21–5 **(Chi)**

[The enzymatic analysis of sphingomyelin in HDL (author's transl)] Schriewer H, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):305–12 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Cellular and enzymic synthesis of sphingomyelin. Voelker DR, et al. **Biochemistry** 1982 May 25;21(11):2753–9

Biosynthesis of sphingomyelin from erythro-ceramides and phosphatidylcholine by a microsomal cholinephosphotransferase. Bernert JT Jr, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):99–109

The role of endogenous phosphatidylcholine and ceramide in the biosynthesis of sphingomyelin in mouse fibroblasts. Marggraf WD, et al. **Biochim Biophys Acta** 1982 Mar 12; 710(3):314–23

Regulation of sphingomyelin long chain base synthesis in human fibroblasts in culture. Role of lipoproteins and the low density lipoprotein receptor. Verdery RB 3d, et al. **J Biol Chem** 1982 Feb 10;257(3):1412–7

BLOOD

Effect of saturated and unsaturated fat diets on molecular

species of phosphatidylcholine and sphingomyelin of human plasma lipoproteins. Myher JJ, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):110–9

Differential distribution of sphingomyelins among plasma lipoprotein classes. Myher JJ, et al. **Can J Biochem** 1981 Aug;59(8):626–36

CHEMICAL SYNTHESIS

Syntheses of phosphatidylcholines, sphingomyelins and cholesterol substituted with azido fatty acids. Photocrosslinking with nearest neighbouring lipids in liposomes chemical and mass spectroscopic proof. Stoffel W, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jan; 363(1):1–18

ISOLATION & PURIFICATION

Separation of molecular species of sphingomyelin and ceramide by argentation and reversed-phase HPLC. Smith M, et al. **J Lipid Res** 1981 May;22(4):714–9

Ceramide structure of sphingomyelin from human milk fat globule membrane. Bouhours JF, et al. **Lipids** 1981 Oct; 16(10):726–31

METABOLISM

Enzymatic hydrolysis by bacterial phospolipases C and D of immobilized radioactive sphingomyelin and phosphatidylcholine. Malmqvist T, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):363–7

Enzymatic hydrolysis of immobilized sphingomyelin by three bacterial phospholipases C. Malmqvist T, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):357–61

Incorporation of lipids into cellular membranes--a spin-label assay. Marsh D, et al. **Anal Biochem** 1982 May 1; 122(1):206–12

Metabolism of sphingomyelin by intact cultured fibroblasts: differentiation of Niemann-Pick disease type A and B. Beaudet AL, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):14–9

Hydrolysis of monomolecular layers of synthetic sphingomyelins by sphingomyelinase of Staphylococcus aureus. Yedgar S, et al. **Biochem J** 1982 Mar 1; 201(3):597–603

Adrenalectomy decreases the sphingomyelin and cholesterol content of fat cell ghosts. Murray DK, et al. **Endocrinology** 1982 Aug;111(2):452–5

Dexamethasone-induced change in the sphingomyelin content of human polymorphonuclear leukocytes in vitro. Nelson DH, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):292–5

Melittin stimulates incorporation and degradation of sphingomyelin in synaptosomal plasma membranes. Pellkofer R, et al. **J Neurochem** 1982 May;38(5):1230–5

Turnover rate of molecular species of sphingomyelin in rat brain. LeBaron FN, et al. **Neurochem Res** 1981 Oct; 6(10):1081–9

PHARMACODYNAMICS

Transfer properties of the bovine brain phospholipid transfer protein. Specificity towards phosphatidylcholine analogs and the inhibitory effect of sphingomyelin. Demel RA, et al. **Biochim Biophys Acta** 1982 Mar 12;710(3):264–70

SPHINGOSINE

Specific tritium labeling of gangliosides at the 3-position of sphingosines. Ghidoni R, et al. **J Lipid Res** 1981 Nov; 22(8):1286–95

ANALOGS & DERIVATIVES

A sensitive assay of galactocerebroside beta-galactosidase by high-performance liquid chromatography using galactosyl-N-dansyl-sphingosine as substrate. Naoi M, et al. **Anal Biochem** 1981 Sep 1;116(1):98–102

Accumulation of glucosylceramide and glucosylsphingosine (psychosine) in cerebrum and cerebellum in infantile and juvenile Gaucher disease. Nilsson O, et al. **J Neurochem** 1982 Sep;39(3):709–18

Inhibitors of cerebroside metabolism. Radin NS, et al. **Methods Enzymol** 1981;72:673–84

SPICES see under **CONDIMENTS**

SPIDER BITE see **ARACHNIDISM**

SPIDER VENOMS see under **ARTHROPOD VENOMS**

SPIDERS

Patients and spiders. Radford P. **Bristol Med Chir J** 1980; 95(355–356):9–10

Priapism following a black widow spider bite. Stiles AD. **Clin Pediatr (Phila)** 1982 Mar;21(3):174–5

Dr. Blair and the black widow spider. Breslin F, et al. **J Med Assoc State Ala** 1981 Aug;51(2):22, 58

The neuromuscular junction of the mouse after black widow spider venom. Duchen LW, et al. **J Physiol (Lond)** 1981 Jul;316:279–91

Management of the brown recluse spider bite. Rees R, et al. **Plast Reconstr Surg** 1981 Nov;68(5):768–73

New names for the brown recluse and the black widow [letter] Russell FE, et al. **Postgrad Med** 1981 Dec;70(6):31

The effects of black widow spider venom on the innervation of muscles paralysed by botulinum toxin. Gomez S, et al. **Q J Exp Physiol** 1982 Jul;67(3):495–506

Purification and characterization of a toxin from brown recluse spider (Loxosceles reclusa) venom gland extracts. Babcock JL, et al. **Toxicon** 1981;19(5):677–89

ANALYSIS

Hemocyanins in spiders, XIV. Subunit composition of dissociation intermediates and its bearing on quaternary structure of Eurypelma hemocyanin. Markl J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Sep;362(9):1255–62

Hemocyanins in spiders, XVI[1]. Subunit topography and a model of the quaternary structure of Eurypelma hemocyanin. Markl J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1631–41

Hemocyanins in spiders, XV. The role of the individual subunits in the assembly of Eurypelma hemocyanin. Markl J, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jan; 363(1):73–87

DRUG EFFECTS

Maturation and d-amphetamine-induced changes in web building. Reed CF, et al. **Dev Psychobiol** 1982 Jan; 15(1):61–70

ULTRASTRUCTURE

Evidence for two separate categories of junctional particle during the concurrent formation of tight and gap junctions. Lane NJ. **J Ultrastruct Res** 1981 Oct;77(1):54–65

Fine structure of the cuticle of the black widow spider with reference to surface lipids. Hadley NF. **Tissue Cell** 1981; 13(4):805–17

SPIN LABELS

see related
ELECTRON SPIN RESONANCE

Structure of lipoprotein (a) studied by spin-labeling. Nöthig-Laslo V, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):158–64

The role of possible membrane damage in porphyria cutanea tarda: a spin label study of rat liver cell membranes. Kószó F, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):11–7

Interaction of hemagglutinating virus of Japan with erythrocytes as studied by release of a spin probe from virus. Maeda T, et al. **Biochemistry** 1981 Sep 1; 20(18):5340–5

Reliability of nitroxide spin probes in reporting membrane properties: a comparison of nitroxide- and deuterium-labeled steroids. Taylor MG, et al. **Biochemistry** 1981 Sep 1;20(18):5252–5

Structural studies on the cytochrome c oxidase proton pump using a spin-label probe. Casey RP, et al. **Biochim Biophys Acta** 1981 Nov 12;638(1):86–93

Aging of the erythrocyte XIII. Decrease in nitroxide reducing capacity. Bartosz G, et al. **Biomedicine** 1981 Nov; 35(6):185–7

pH dependence of EPR spectra of nitroxides containing ionizable groups. Nakaie CR, et al. **Braz J Med Biol Res** 1981 Jul;14(2–3):173–80

Hapten-induced changes in pig anti-dansyl antibodies revealed by EPR spectra of spin-labelled antibodies. Käiväräinen AI, et al. **Immunol Lett** 1981 Apr;3(1):5–11

Spin-labelling of DNA with hydrazine mustard spin label (HMSL). Raikova E, et al. **Int J Biochem** 1982;14(1):41–6

Spin trapping of reactive uracilyl radicals produced by ionizing radiation in aqueous solutions. Hedrick WR, et al. **Int J Radiat Biol** 1982 Apr;41(4):435–42

Facile synthesis of spin labelled steroids by esterification. Kirley TL, et al. **J Steroid Biochem** 1982 Jan;16(1):133–4

Detection of erythrocyte membrane protein alterations in hereditary spherocytosis through the use of thermal stress: a spin label study. Fung LW, et al. **Life Sci** 1981 Nov 16; 29(20):2071–9

Lipid-protein interactions: saturation transfer electron paramagnetic resonance of spin-labeled rhodopsin. Devaux PF. **Methods Enzymol** 1982;81:703–9

Membrane immunoassay: a spin membrane immunoassay for thyroxine. Tan CT, et al. **Methods Enzymol** 1981;74 Pt C:152–61

Spin immunoassay. Yang GC, et al. **Methods Enzymol** 1981; 74 Pt C:140–51

Application of spin labeling to drug assays. II. Determination of the binding of [14C]-phenytoin and spin-labeled phenytoins to albumin and human serum. Chou D, et al. **Mol Pharmacol** 1981 Nov;20(3):674–80

Electron-electron double resonance and saturation-recovery studies of nitroxide electron and nuclear spin-lattice relaxation times and Heisenberg exchange rates: lateral diffusion in dimyristoyl phosphatidylcholine. Popp CA, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2559–63

Spin-labelled nucleic acids. Kamzolova SG, et al. **Q Rev Biophys** 1981 May;14(2):223–88 (108 ref.)

[Influence of organic solvents on the binding of spin-labeled indole derivatives to serum albumin (letter)] Dorokhov KE, et al. **Biofizika** 1982 May-Jun;27(3):534–5 (Eng. Abstr.) **(Rus)**

[Interaction with liposomes of the spin-labelled cytotoxin from Central Asian cobra venom] Aripov TF, et al. **Dokl Akad Nauk SSSR** 1982;262(5):1275–7 **(Rus)**

[Alpha-chymotrypsin binding of spin-labelled concurrent inhibitor at different pHs] Grigorian GL, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1265–7 **(Rus)**

[Spin-label study of the structural characteristics of chromatin] Sadykov AS, et al. **Dokl Akad Nauk SSSR** 1981; 259(1):242–3 **(Rus)**

[New method for measuring the distances between the nitroxide spin label and paramagnetic metal ions in macromolecules] Kokorin AI, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):930–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

A novel reversible thiol-specific spin label: papain active site labeling and inhibition. Berliner LJ, et al. **Anal Biochem** 1982 Jan 15;119(2):450–5

The synthesis of deuterium-substituted, spin-labeled analogues of AMP and NAD+ and their use in ESR studies of lactate dehydrogenase. Glöggler KG, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):224–8

Synthesis and preliminary biochemical characterization of spin-labeled derivatives of ATP and its 'non-cleavable' analog, adenosine 5'-beta, gamma-methylenetriphosphate. Glöggler KG, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov;362(11):1561–5

METABOLISM

Effect of gamma radiation on the transport of spin-labeled compounds across the erythrocyte membrane. Gwoździński K, et al. **Radiat Environ Biophs** 1981; 19(4):275–85

PHARMACODYNAMICS

Spin-labeling of porcine pepsin and Rhizopus chinensis acid protease by diazoketone reagents. Nakayama S, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):658–62

Interferon induction by poly(inosinic acid).poly(cytidylic acid) segmented by spin-labels. Bobst AM, et al. **Biochemistry** 1981 Aug 4;20(16):4798–803

Reactivity of sarcoplasmic reticulum adenosinetriphosphatase with iodoacetamide spin-label: evidence for two conformational states of the substrate binding sites. Coan C, et al. **Biochemistry** 1982 Jun 22;21(13):3214–20

Low temperature EPR spectroscopic characterization of the interaction of cytochrome P-450cam with a spin label analog of metyrapone. Mock DM, et al. **J Biol Chem** 1982 May 25;257(10):5372–9

[Bovine liver glutamate dehydrogenase modified by 2,2,6,6-tetramethyl-4-oxopiperidine-1-oxyl: enzymatic activity and catalytic properties] Agadzhanian SA, et al. **Mol Biol (Mosk)** 1982 Mar-Apr;16(2):345–51 (Eng. Abstr.) **(Rus)**

SPINA BIFIDA

Proceedings of the Dublin meeting of the Society for Research into Hydrocephalus and Spina Bifida, 1981. **Z Kinderchir** 1981 Dec;34(4):303–428

COMPLICATIONS

Dysplastic and isthmic spondylolisthesis. Neuwirth M. **Bull Hosp Joint Dis** 1981;41:94–104

Klippel-Trenaunay-Weber syndrome. Parameswara YR, et al. **Dermatologica** 1982 Apr;164(4):284–8

A tailgut duplication. Coln D. **J Pediatr Surg** 1982 Feb; 17(1):88–90

Central nervous system heterotopia in the lung of a fetus with cranial malformation. Campo E, et al. **Virchows Arch [Pathol Anat]** 1981;391(1):117–22

Aggressive surgical treatment of secondary spinal deformity in spina bifida children--is it worthwhile? Channon GM, et al. **Z Kinderchir** 1981 Dec;34(4):395–8

Congenital vertebral anomalies and the possible aetiological relationship with spina bifida. Lendon RG, et al. **Z Kinderchir** 1981 Dec;34(4):390–4

[Cutaneous ureteroileostomy in myelodysplasia] Gottschalk E, et al. **Padiatr Grenzgeb** 1981;20(5):283–94 (Eng. Abstr.) **(Ger)**

[Resection columnotomy in myelodysplastic lumbar kyphosis] Hellinger J. **Padiatr Grenzgeb** 1981;20(5):313–22 (Eng. Abstr.) **(Ger)**

[A cases of split notochord syndrome (author's transl)] Imanaka K, et al. **Rinsho Hoshasen** 1982 Feb;27(2):287–90 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Spinal dysraphism. James HE, et al. **Curr Probl Pediatr** 1981 Jun;11(8):1–25

Estimation of the levels of amniotic fluid alpha fetoprotein (AFP) for the prenatal diagnosis of spina bifida and anencephaly. Shoro AA. **Methods Find Exp Clin Pharmacol** 1981 Nov-Dec; 3(6):391–5

[Prenatal diagnosis of anencephaly and open spina bifida by combined use of amniotic or maternal serum alpha-fetoprotein and maternal urine estrogen/creatinine ratio (author's transl)] Li SR. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):449–54 (Eng. Abstr.) **(Chi)**

[Study technics and findings in children with spina bifida]

Klingmüller V, et al. **Rontgenpraxis** 1982 Jun;35(6):214–20 **(Ger)**

ECONOMICS

An economic appraisal of the benefits of screening for open spina bifida. Henderson JB. **Soc Sci Med** 1982;16(5):545–60

FAMILIAL & GENETIC

Spina bifida and maternal Rh phenotype. Sherry CJ, et al. **Experientia** 1982 Mar 15;38(3):323–4

Are congenital vertebral anomalies and spina bifida cystica aetiologically related? Lendon RG, et al. **J Med Genet** 1981 Dec;18(6):424–7

Tetraploidy in a liveborn infant with spina bifida and other anomalies. Pitt D, et al. **J Med Genet** 1981 Aug; 18(4):309–11

Genetics and medical emergencies: an interesting patient. Lynch HT, et al. **Nebr Med J** 1982 Feb;67(2):30–1

METABOLISM

The energy expenditure of spina bifida children during walking and wheelchair ambulation. Evans EP, et al. **Z Kinderchir** 1981 Dec;34(4):425–7

OCCURRENCE

Spina bifida and neural tube defects. Sheridan-Pereira M, et al. **Ir Med J** 1982 May;75(5):163–4

Neural tube defects [letter] **Lancet** 1981 Dec 5;2(8258):1290–1

PATHOLOGY

Spinal dysraphism in the cervical and dorsal regions in childhood. Schiffer J, et al. **Childs Brain** 1982;9(2):73–84

PHYSIOPATHOLOGY

Spina bifida and cerebral palsy. Minns RA, et al. **Z Kinderchir** 1981 Dec;34(4):370–8

PREVENTION & CONTROL

An essay on research into the causation and prevention of spina bifida. Seller MJ. **Z Kinderchir** 1981 Dec;34(4):306–14

PSYCHOLOGY

Educational attainments of spina bifida children attending ordinary or special schools. Carr J, et al. **Z Kinderchir** 1981 Dec;34(4):364–70

Family reactions to surgical correction for kyphoscoliosis in spina bifida children: a preliminary report. Laurence ER, et al. **Z Kinderchir** 1981 Dec;34(4):398–402

The integration (mainstreaming) of spina bifida children into ordinary schools. Lonton AP. **Z Kinderchir** 1981 Dec; 34(4):356–64

[The psychological effect of their handicap on spina bifida patients (author's transl)] Lacert P, et al. **Neuropsychiatr Enfance Adolesc** 1981 Oct;29(10):527–30 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Computed tomography in the evaluation and management of patients with spina bifida. Hammock MK, et al. **Z Kinderchir** 1981 Dec;34(4):334–9

REHABILITATION

The child with spina bifida. Role of the pediatrician. Colgan MT. **Am J Dis Child** 1981 Sep;135(9):854–8

The young adult with spina bifida. Castree BJ, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1040–2

[Interdisciplinary care of children with myelodysplasia in the Department of Rehabilitation of the Hubertusburg Clinic] Pinder HE, et al. **Padiatr Grenzgeb** 1981;20(5):323–6 (Eng. Abstr.) **(Ger)**

[Urologic program for the long-term care of children with spina bifida cystica] Trinckauf HH. **Padiatr Grenzgeb** 1981; 20(5):341–4 (Eng. Abstr.) **(Ger)**

SURGERY

The effects of selective surgery on the self-concept and attainments of children with spina bifida and hydrocephalus. Sklayne KD. **Z Kinderchir** 1981 Dec; 34(4):352–6

THERAPY

Care of children with spina bifida [letter] Altman B. **Am J Dis Child** 1982 Mar;136(3):280

Ethical problems in the management of some severely handicapped children. Harris J. **J Med Ethics** 1981 Sep; 7(3):117–24

SPINA BIFIDA CYSTICA see **MENINGOMYELOCELE**

SPINAL ACCESSORY NERVE see **ACCESSORY NERVE**

SPINAL CANAL

'Primary' spinal epidural lymphomas. A clinico-pathological study. Rao TV, et al. **Acta Neurochir (Wien)** 1982; 62(3–4):307–17

CT diagnosis of spinal epidural hematoma. Post MJ, et al. **AJNR** 1982 Mar-Apr;3(2):190–2

Rostral spread of epidural morphine. Bromage PR, et al. **Anesthesiology** 1982 Jun;56(6):431–6

Epidural narcotic infusion reservoir: implantation technique and efficacy. Coombs DW, et al. **Anesthesiology** 1982 Jun; 56(6):469–73

Quantification of the effect of epidural spinal electrostimulation (ESES) in central motor disorders. Klingler D, et al. **Appl Neurophysiol** 1982;45(3):221–4

Assessment of functional effect of epidural electrostimulation and selective posterior rhizotomy in spasticity. Laitinen LV, et al. **Appl Neurophysiol** 1982;45(3):331–4

Klippel-Feil syndrome with epidural fibroblastoma in the area of vertebral fusion. Vaquero J, et al. **Arch Neurol** 1982 May;39(5):318–9

Use of ultrasound to measure the lumbar spinal canal [letter] **Br J Radiol** 1981 Dec;54(648):1116

Lumbar spinal stenosis [editorial] Critchley EM. **Br Med J [Clin Res]** 1982 May 29;284(6329):1588–9

Relationship of Chinese lumbar spine morphometry with lumbar vertebral canal stenosis. Jia BL, et al. **Chin Med J [Engl]** 1981 Jul;94(7):463–6

Computed tomography in degenerative spinal stenosis. McAfee PC, et al. **Clin Orthop** 1981 Nov-Dec;(161):221–34

CT evaluation of epidural scars following multiple operations for lumbar disc arthrosis. Ciappetta P, et al. **Eur Neurol** 1982;21(2):129–35

CT scanning versus myelography in the diagnosis of lumbar stenosis. A preliminary report. Postacchini F, et al. **Int Orthop** 1981;5(3):209–15

Rupture of central canal with multisegmental haematomyelia. An unusual complication of rapidly fatal intracranial hypertension. Leramo OB, et al. **J Neurol Sci** 1982 Apr; 54(1):89–97

Ganglion cyst of the spinal canal. Case report. Maresca L, et al. **J Neurosurg** 1982 Jul;57(1):140–2

The syringo-hydromyelia and its surgical treatment. Zander E, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3–4):271–7

Postoperative lumbar canal stenosis due to anterior spinal fusion. Hirabayashi K, et al. **Keio J Med** 1981 Sep; 30(3):133–9

Spinal epidural abscess in children. Fischer EG, et al. **Neurosurgery** 1981 Sep;9(3):257–60

Extramedullary hematopoiesis causing spinal cord compression. Pile-Spellman J, et al. **Neurosurgery** 1981 Jun; 8(6):728–31

Spinal epidural abscess. Yang SY. **NZ Med J** 1982 May 12; 95(707):302–4

Long term catheterization of the lumbar epidural space in rats. van den Hoogen RH, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):515–6

Lumbar spinal stenosis: a prospective review of evaluation and treatment utilizing a new 'back analysis form'. Scafuri RL, et al. **Proc Inst Med Chic** 1981 Jul-Sep;34(3):79–82

Metrizamide myelography and epidural venography. Their role in the diagnosis of lumbar disc herniation and spinal stenosis. Herkowitz HN, et al. **Spine** 1982;7(1):55–64

Laminoplasty for patients with compressive myelopathy due to so-called spinal canal stenosis in cervical and thoracic regions. Tsuji H. **Spine** 1982;7(1):28–34

[Lumbar canal stenosis: analysis of 61 cases (author's transl)] Li GY. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):148–50 **(Chi)**

[(Sub)acute microbial inflammation of the spine: spondylodiskitis] Meijers KA, et al. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):851–6 (Eng. Abstr.) **(Dut)**

[The importance of the scanner in spine pathology. Contribution to the diagnosis of spinal canal stenoses] Massare C. **Acta Orthop Belg** 1981 Jul-Oct;47(4–5):675–84 **(Fre)**

[Epidural stimulation for pain control (author's transl)] Leclercq TA, et al. **Neurochirurgie** 1981;27(2):125–8 (Eng. Abstr.) **(Fre)**

[Epidural administration of morphine] Birkhan HJ, et al. **MMW** 1982 Jul 2;124(26):634 **(Ger)**

[Stenosis of the spinal canal caused by reparative osteogenesis after hemilaminoarthrectomy] Frignani R, et al. **Chir Organi Mov** 1980 Jul-Aug;66(4):519–22 **(Ita)**

[Pathogenesis of the syndrome of caudogenic intermittent claudication] Blagodatskii MD. **Zh Nevropatol Psikhiatr** 1982;82(4):20–5 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Constitutional narrowness of the lumbar spinal canal and cheiro-lumbar dysostosis. Wackenheim A. **Acta Neurochir (Wien)** 1982;61(1–3):43–53

Cheirolumbar dysostosis. Wackenheim A. **Eur J Radiol** 1981 Aug;1(3):189–94

Lunato-triquetral fusion and associated spinal abnormality. Thakkar DH. **Hand** 1982 Feb;14(1):89–96

Craniovertebral anomalies in Lucknow, U.P. Shukla R, et al. **J Assoc Physicians India** 1981 Aug;29(8):636–40

[A transitional form of cheirolumbar dysostosis (author's transl)] Wackenheim A, et al. **J Belge Radiol** 1981; 64(2):179–88 (Eng. Abstr.) **(Fre)**

[Idiopathic lumbar spinal stenosis] Jaster D. **Beitr Orthop Traumatol** 1981 Oct;28(10):562–70 **(Ger)**

[Narrow lumbar spinal canal] Vitzthum HE, et al. **Beitr Orthop Traumatol** 1981 Oct;28(10):570–4 (Eng. Abstr.) **(Ger)**

[Lumbosacral myeloradicular syndromes caused by anomalies of the dural sac] Bernabè G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):97–121 **(Ita)**

ANATOMY & HISTOLOGY

An appraisal of the use of diagnostic ultrasound to quantify the lumbar spinal canal. Finlay D, et al. **Br J Radiol** 1981 Oct;54(646):870–4

Measurement of the lumbar spinal canal by diagnostic ultrasound. Hibbert CS, et al. **Br J Radiol** 1981 Oct; 54(646):905–7

Use of diagnostic ultrasound to measure the lumbar spinal canal [letter] Nachemson A, et al. **Br J Radiol** 1981 Nov; 54(647):1010–1

The lumbar spinal canal in children. Part II: the interpedicular distance and its relation to the sagittal diameter and transverse pedicular width. Larsen JL. **Eur J Radiol** 1981 Nov;1(4):312–21

Ultrasonic measurement of the lumbar spinal canal. The origin and precision of the recorded echoes. Kadziolka R, et al. **J Bone Joint Surg [Br]** 1981;63B(4):504–7

BLOOD SUPPLY

[Epidural venography of the spine (author's transl)] Liu DH. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May; 15(2):138–42 **(Chi)**

EMBRYOLOGY

An electron microscopic study of the development of the ependyma of the central canal of the mouse spinal cord. Sturrock RR. **J Anat** 1981 Jan;132(Pt 1):119–36

GROWTH & DEVELOPMENT

The lumbar spinal canal in children. Part III: Development of the lumbar spinal canal in relation to the development of the lumbar vertebral bodies. Larsen JL. **Eur J Radiol** 1982 Feb;2(1):66–71

PATHOLOGY

Spontaneous migration of an intracranial bullet to the cervical spinal canal causing Lhermitte's sign. Case report. Arasil E, et al. **J Neurosurg** 1982 Jan;56(1):158–9

Widened epidural space after spinal fusion. Grossman RI, et al. **Neurosurgery** 1981 Jun;8(6):720–3

[The epidural space after prolonged palliative treatment using an epidural catheter] Bitsch-Larsen L, et al. **Ugeskr Laeger** 1981 May 11;143(20):1279 (Eng. Abstr.) **(Dan)**

[Extraskeletal Ewing's sarcoma of the epidural space. A report of two new cases with literature review (author's transl)] N'Golet A, et al. **Arch Anat Cytol Pathol** 1982; 30(1):10–3 (Eng. Abstr.) **(Fre)**

[Width of the cervical canal in patients with cervical vertebral pain syndromes of degenerative origin] Manitz U, et al. **Beitr Orthop Traumatol** 1981 Oct;28(10):549–70 (Eng. Abstr.) **(Ger)**

[Space problems in the lumbar spinal canal (author's transl)] Siegrist H. **Ther Umsch** 1982 Jan;39(1):30–40 (Eng. Abstr.) **(Ger)**

[Stenosis of the lumbar spinal canal (editorial)] Weissman SL. **Harefuah** 1981 Apr 15;100(8):395 **(Heb)**

PHYSIOLOGY

Epidural space pressures during pregnancy. Messih MN. **Anaesthesia** 1981 Aug;36(8):775–82

A comparative study of epidural and cisternal pressure in dogs. Ivan LP, et al. **J Neurosurg** 1982 Oct;57(4):511–4

PHYSIOPATHOLOGY

Quantification of the effect of epidural spinal electrostimulation (ESES) in central motor disorders. Klingler D, et al. **Appl Neurophysiol** 1982;45(3):221–4

Assessment of functional effect of epidural electrostimulation and selective posterior rhizotomy in spasticity. Laitinen LV, et al. **Appl Neurophysiol** 1982;45(3):331–4

Metrizamide myelography and epidural venography. Their role in the diagnosis of lumbar disc herniation and spinal stenosis. Herkowitz HN, et al. **Spine** 1982;7(1):55–64

RADIOGRAPHY

Analysis of operated cases with lumbar renal stenosis. Johnsson KE, et al. **Acta Orthop Scand** 1981 Aug; 52(4):427–33

Inconsistent venous opacification: a pitfall of epidural venography. Teal JS, et al. **AJR** 1982 Jun;138(6):1149–53

The lumbar spinal canal in children. Part I: The sagittal diameter. Larsen JL, et al. **Eur J Radiol** 1981 May; 1(2):163–70

Cervical canal stenosis: a clinico-radiological study. Shukla R, et al. **J Assoc Physicians India** 1981 May;29(5):379–83

Epidurography. Exploration of lumbar sciatica and traumas of the spine. Fuentes JM, et al. **J Neuroradiol** 1981; 8(1):21–33 **(Eng, Fre)**

Computed tomography of the cervical spinal canal. Capesius P, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3–4):265–70

Medullary CT hypodensity in Charcot-Marie-Tooth's disease. Case report. Francia A, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3–4):279–82

Epidurography in lumbar spondylolisthesis. Johansen JG, et al. **Neuroradiology** 1982;23(2):101–6

[Catheter myelography: animal experiments on myelography at different levels and selective radioculography (author's transl)] Schumacher M. **ROFO** 1981 Aug;135(2):161–2 **(Ger)**

[Examination of spinal canal by computerized tomography (author's transl)] Kuckein D. **Rontgenblatter** 1981 Oct; 34(10):387–93 (Eng. Abstr.) **(Ger)**

[Computed tomography of the thoracic canal —experimental and clinical studies (author's transl)] Nakamura S. **Nippon Geka Hokan** 1981 May;50(3):445–60 (Eng. Abstr.) **(Jpn)**

[Roentgenological study of the lumbar spinal canal shape (author's transl)] Kawakami T. **Nippon Seikeigeka Gakkai Zasshi** 1982 Feb 25;56(2):117–32 (Eng. Abstr.) **(Jpn)**

[Radiodiagnosis of the spinal canal using a nonionic contrast medium] Smereczyński A, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):581–4 (Eng. Abstr.) **(Pol)**

SURGERY

Degenerative lumbar spinal stenosis: results of operative treatment. Surin V, et al. **Acta Orthop Scand** 1982 Feb; 53(1):79–85

Enlargement of the lumbar vertebral canal in lumbar canal stenosis. Kawai S, et al. **Spine** 1981 Jul–Aug;6(4):381–7

SPINAL CORD

see related
CHORDOTOMY
MYELOGRAPHY

Clinical evaluation of the effect of spinal cord stimulation on motor performance in patients with upper motor neuron lesions. Campos RJ, et al. **Appl Neurophysiol** 1981; 44(1–3):141–51

Results of spinal cord stimulation in multiple sclerosis. Cook AW, et al. **Appl Neurophysiol** 1981;44(1–3):55–61

Technical factors important to dorsal column stimulation. Davis R, et al. **Appl Neurophysiol** 1981;44(1–3):160–70

Beneficial augmentation following dorsal column stimulation in some neurological diseases. Davis R, et al. **Appl Neurophysiol** 1981;44(1–3):37–49

Underlying mechanisms of the effects of spinal cord stimulation in motor disorders. A review of the discussion. Dimitrijevic MR, et al. **Appl Neurophysiol** 1981; 44(1–3):133–40

Treatment of patients with degenerative diseases of the central nervous system by electrical stimulation of the spinal cord. Dooley DM, et al. **Appl Neurophysiol** 1981; 44(1–3):71–6

Dorsal column stimulation in multiple sclerosis: effects on bladder, leg blood flow and peptides. Hawkes CH, et al. **Appl Neurophysiol** 1981;44(1–3):62–70

Psychological effects of spinal cord stimulation: preliminary findings. Levita E, et al. **Appl Neurophysiol** 1981; 44(1–3):93–6

Electrical stimulation of the conus medullaris to control bladder emptying in paraplegia: a ten-year review. Nashold BS, et al. **Appl Neurophysiol** 1982;45(1–2):40–3

Effects of spinal cord stimulation on spasticity: H-reflex study. Scerrati M, et al. **Appl Neurophysiol** 1982; 45(1–2):62–7

Remarks on spinal cord stimulation and the placebo effect. Sharkey PC, et al. **Appl Neurophysiol** 1981;44(1–3):119–25

Technological problems of spinal cord stimulation systems: a clinical perspective. Sharkey PC. **Appl Neurophysiol** 1981; 44(1–3):50–4

Neurophysiological analysis of factors influencing efficacy of spinal cord stimulation. Sharkey PC, et al. **Appl Neurophysiol** 1982;45(1–2):68–72

Biomedical engineering aspects of spinal cord stimulation. Sherwood AM. **Appl Neurophysiol** 1981;44(1–3):126–32

Electrical spinal cord stimulation for spastic movement disorders. Siegfried J, et al. **Appl Neurophysiol** 1981; 44(1–3):77–92

Quantification and documentation of changes produced by spinal cord stimulation. Struppler A, et al. **Appl Neurophysiol** 1981;44(1–3):114–8

Multiple-lead spinal cord stimulation: technique. Waltz JM, et al. **Appl Neurophysiol** 1981;44(1–3):30–6

Transplantation into the mammalian adult spinal cord. Hallas BH. **Experientia** 1982 Jun 15;38(6):699–701

Stress-strain relationship and neurological sequelae of uniaxial elongation of the spinal cord of cats. Hung TK, et al. **Surg Neurol** 1981 Jun;15(6):471–6

Recurrence of lumbar canal stenosis a decade after decompressive laminectomy. Levy WJ, et al. **Surg Neurol** 1982 Feb;17(2):96–8

ABNORMALITIES

Congenital intraspinal neuroblastoma: a treatable simulant of myelodysplasia. Kenney PJ, et al. **AJR** 1982 Jan; 138(1):166–7

Neuropathic bladder and spinal dysraphism [letter] Levick RK, et al. **Arch Dis Child** 1981 Sep;56(9):733

Neurenteric cysts of the spinal cord mimicking multiple sclerosis. Vinters HV, et al. **Can J Neurol Sci** 1981 May; 8(2):159–61

Long-term follow-up of fascia lata transfer for the paralytic hip in myelodysplasia. Bassett GS, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):360–5

Spontaneous transposition of the spinal cord. Carvell JE, et al. **J Bone Joint Surg [Br]** 1982;64(4):413–5

The Manx cat as an animal model for neurogenic vesical dysfunction associated with myelodysplasia: a preliminary report. Woodside JR, et al. **J Urol** 1982 Jan;127(1):180–3

Midline anomalies of the brain and spine. Fitz CR. **Radiol Clin North Am** 1982 Mar;20(1):95–104

Computed tomography of the pediatric spine: a protocol for the 1980's. Harwood-Nash DC. **Radiol Clin North Am** 1981 Sep;19(3):479–94 (22 ref.)

Urinary undiversion in patients with myelodysplasia and neurogenic bladder dysfunction. Report of a workshop. Borden TA, et al. **Urology** 1981 Sep;18(3):223–8 (24 ref.)

[Iconographic rubric. Diplomyelia] Questiaux E, et al. **Arch Fr Pediatr** 1982 Mar;39(3):177–8 **(Fre)**

[Myelography with amipaque in infants and children (author's transl)] Schmidt RC, et al. **Radiologe** 1981 Nov; 21(11):521–6 (Eng. Abstr.) **(Ger)**

[Myelography in infants and young children with lumbosacral dysraphism] Braune M, et al. **Rontgenpraxis** 1982 Jun;35(6):221–6 **(Ger)**

[Intraspinal neurenteric cyst associated with increased intracranial pressure (author's transl)] Hashimoto T, et al. **Neurol Med Chir (Tokyo)** 1981 Nov;21(11):1183–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Distribution of free amino acids in the dog spinal cord, spinal ganglia and ischiadic nerve. Martiniak J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):311–6

Histochemical detection of zinc and copper in various neurons of the central nervous system. Kozma M, et al. **Acta Histochem (Jena)** 1981;69(1):12–7

Characterization of immunoreactive somatostatin released from rat nervous system in vitro. Sheppard MC, et al. **Biochem J** 1982 Feb 1;201(2):321–8

Action of oxotremorine on the sub-cellular distribution of glycine in the rat spinal cord. Dasgupta P, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1013–7

Isolation and further characterization of the anti-encephalitogenic rat spinal cord protein from brain, spinal cord and peripheral nerves. MacPherson CF, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):125–32

Does fluorescent analogue of propranolol, 9-amino-acridine-propranolol, binding sites really show the beta-adrenoreceptors? Murakami E, et al. **Cell Mol Biol** 1981;27(2–3):133–7

Immunohistochemical evidence for cholecystokinin-like peptides in neuronal cell bodies of the rat spinal cord. Vanderhaeghen JJ, et al. **Cell Tissue Res** 1982;223(2):463–7

Localization of C-reactive protein in inflammatory lesions of experimental allergic encephalomyelitis. Du Clos TW, et al. **Clin Exp Immunol** 1981 Mar;43(3):565–73

Postsynaptic spinal alpha-adrenoceptors mediate effects of intrathecal clonidine. Connor HE, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):97–100

Astroglial filament and fibroblast intermediate filament proteins in cytoskeletal preparations from spinal cord and optic nerve. Yokoyama K, et al. **FEBS Lett** 1981 Nov 30; 135(1):25–30

Phosphate content of mammalian neurofilaments. Jones SM, et al. **J Biol Chem** 1982 Sep 10;257(17):9902–5

Purification by affinity chromatography of the glycine receptor of rat spinal cord. Pfeiffer F, et al. **J Biol Chem** 1982 Aug 25;257(16):9389–93

Determination of methylprednisolone in central nervous tissue and plasma using normal-phase high-performance liquid chromatography. McGinley PA, et al. **J Chromatogr** 1982 Jun 11;230(1):29–35

Histamine in tissue: determination by high-performance liquid chromatography after condensation with o-phthaldialdehyde. Skofitsch G, et al. **J Chromatogr** 1981 Nov 13;226(1):53–9

Regional distribution of substance P-like immunoreactivity in the frog brain and spinal cord: immunohistochemical analysis. Inagaki S, et al. **J Comp Neurol** 1981 Sep 10; 201(2):243–54

Immunochemical characterization of antisera to rat neurofilament subunits. Autilio-Gambetti L, et al. **J Neurochem** 1981 Nov;37(5):1260–5

The regional distribution and chromatographic characterisation of neurotensin-like immunoreactivity in the rat central nervous system. Emson PC, et al. **J Neurochem** 1982 Apr;38(4):992–9

Preparative separation and amino acid composition of neurofilament triplet proteins. Hogue-Angeletti RA, et al. **J Neurochem** 1982 Jan;38(1):116–20

A comparison of in vitro- and in vivo-phosphorylated neurofilament polypeptides. Julien JP, et al. **J Neurochem** 1981 Dec;37(6):1579–85

Evidence for ascending and descending intraspinal as well as primary sensory somatostatin projections in the rat spinal cord. Stine SM, et al. **J Neurochem** 1982 Apr;38(4):1144–50

The presence of abundant adrenaline in the dorsal part of the bullfrog spinal cords. Kojima H, et al. **Kurume Med J** 1980;27(4):299–302

Dissociate destruction of noradrenaline and dopamine descending projections in the thoracic spinal cord of the rat. Mouchet P, et al. **Life Sci** 1982 Jan 25;30(4):373–81

Glutamic acid in spinal-cord gray matter in Friedreich's ataxia [letter] Butterworth RF, et al. **N Engl J Med** 1982 Sep 30;307(14):897

Extent of the glycogen body and the glycogen content of the chicken spinal cord. Uehara M, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):31–8

Development of a radioimmunoassay for oxytocin and measurement of oxytocin in the spinal cord and brain of rats. Yamaji K, et al. **Psychoneuroendocrinology** 1981 Dec; 6(4):347–53

Use of substance P fragments to differentiate substance P receptors of different tissues. Piercey MF, et al. **Regul Pept** 1982 May;3(5–6):337–49

Novel peptide neuronal system in rat brain and pituitary. Weber E, et al. **Science** 1981 Dec 11;214(4526):1248–51

A silver impregnation technique for the study of steroid receptors in central nervous system tissue prepared for autoradiography. Richardson L, et al. **Stain Technol** 1982 Jan;57(1):19–22

Effects of postmortem autolysis on the lipids of rat spinal cord. Torello LA, et al. **Virchows Arch [Cell Pathol]** 1981; 38(2):219–28

[Intracellular activity of potassium in frog spinal cord motor neurons] Chmykhova NM. **Fiziol Zh SSSR** 1982 Mar; 68(3):337–43 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The growth of segmental nerves from the spinal cord to the hind limb-bud in the axoloti. Freeman JM, et al. **Aust J Exp Biol Med Sci** 1982 Apr;60(Pt 2):133–46

The rubrospinal and central tegmental tracts in man. Nathan PW, et al. **Brain** 1982 Jun;105(Pt 2):223–69

Spinal projections from the mesencephalon in the toad. Corvaja N, et al. **Brain Behav Evol** 1981;19(3–4):205–13

Cell groups in the lower brain stem of the rabbit projecting to the spinal cord, with special reference to catecholamine-containing neurons. Blessing WW, et al. **Brain Res** 1981 Sep 21;221(1):35–55

Origins of serotonergic projections to the spinal cord in rat: an immunocytochemical-retrograde transport study. Bowker RM, et al. **Brain Res** 1981 Dec 7;226(1–2):187–99

The origin of brain stem-spinal projections at different stages of development in the North American opossum. Cabana T, et al. **Brain Res** 1981 Aug;254(1):163–8

Rostrocaudal and laminar distribution of spinothalamic neurons in the high cervical spinal cord of the cat. Comans PE, et al. **Brain Res** 1981 Oct 26;223(1):123–7

Ascending projections to nucleus parafascicularis of the cat. Comans PE, et al. **Brain Res** 1981 Dec 28;230(1–2):337–41

Autoradiographic and ultrastructural studies of areas of spinal cord occupied by Schwann cells and Schwann cell myelin. Gilmore SA, et al. **Brain Res** 1982 May 13;239(2):365–75

Spinothalamic cells in the rat lumbar cord with collaterals to the medullary reticular formation. Kevetter GA, et al. **Brain Res** 1982 Apr 22;238(1):181–5

Organization of tectospinal neurons in the cat and rat superior colliculus. Murray EA, et al. **Brain Res** 1982 Jul 15; 243(2):201–14

Projections from the spinal trigeminal nucleus to the entire length of the spinal cord in the rat. Ruggiero DA, et al. **Brain Res** 1981 Nov 30;225(2):225–33

Kölliker-Fuse nucleus: the principal source of pontine catecholaminergic cells projecting to the lumbar spinal cord of cat. Stevens RT, et al. **Brain Res** 1982 May 13; 239(2):589–94

Cholera toxin and wheat germ agglutinin conjugates as neuroanatomical probes: their uptake and clearance, transganglionic and retrograde transport and sensitivity. Wan XC, et al. **Brain Res** 1982 Jul 15;243(2):215–24

Morphological identification of axo-axonic and dendro-dendritic synapses in the rat substantia gelatinosa. Zhu CG, et al. **Brain Res** 1981 Dec 28;230(1–2):25–40

Frontolateral hypothalamic knife cuts: interruption of paraventricular efferents to the thoracolumbar cord. Nance DM. **Brain Res Bull** 1981 Nov;7(5):581–4

Dorsolateral spinal afferents to some medullary sensory nuclei. An anatomical study in the cat. Gordon G, et al. **Exp Brain Res** 1982;46(1):12–23

Axonal patterns and sites of termination of cat superior colliculus neurons projecting in the tecto-bulbo-spinal tract. Grantyn A, et al. **Exp Brain Res** 1982;46(2):243–56

Cytoarchitectonic organization of lumbar preganglionic sympathetic neurons in the cat. Deuschl G, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):193–213

The location of cerebellar-projecting neurons within the lumbosacral spinal cord in the cat. An anatomical study with HRP and retrograde chromatolysis. Grant G, et al. **J Comp Neurol** 1982 Feb 1;204(4):336–48

Afferent and efferent connections of the rat tail flick reflex (a model used to analyze pain control mechanisms). Grossman ML, et al. **J Comp Neurol** 1982 Mar 20; 206(1):9–16

Histopathological reactions an axonal regeneration in the transected spinal cord of Hibernating squirrels. Guth L, et al. **J Comp Neurol** 1981 Dec 1;203(2):297–308

Cells of origin of the spinoreticular tract in the monkey. Kevetter GA, et al. **J Comp Neurol** 1982 May 1; 207(1):61–74

Brain neurons which project to the spinal cord in young larvae of the zebrafish. Kimmel CB, et al. **J Comp Neurol** 1982 Feb 20;205(2):112–27

The origin of the spinomesencephalic tract in the rat: an anatomical study using the retrograde transport of horseradish peroxidase. Menétrey D, et al. **J Comp Neurol** 1982 Apr 1;206(2):193–207

The distribution of visceral primary afferents from the pelvic nerve to Lissauer's tract and the spinal gray matter and its relationship to the sacral parasympathetic nucleus. Morgan C, et al. **J Comp Neurol** 1981 Sep 20;201(3):415–40

Reevaluation of projections from the mesencephalic trigeminal nucleus to the medulla and spinal cord: new projections. a combined retrograde and anterograde horseradish peroxidase study. Ruggiero DA, et al. **J Comp Neurol** 1982 Apr 10;206(3):278–92

Immunohistochemical identification of neurons in the paraventricular nucleus of the hypothalamus that project to the medulla or to the spinal cord in the rat. Sawchenko PE, et al. **J Comp Neurol** 1982 Mar 1;205(3):260–72

Cells of origin of pathways descending to the spinal cord in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ, et al. **J Comp Neurol** 1981 Nov 10;202(4):473–91

A quantitative light microscopic study of the dendrites of cat spinal alpha–motoneurons after intracellular staining with horseradish peroxidase. Ulfhake B, et al. **J Comp Neurol** 1981 Nov 10;202(4):571–83

A quantitative light microscopic study of the dendrites of cat spinal gamma –motoneurons after intracellular staining with horseradish peroxidase. Ulfhake B, et al. **J Comp Neurol** 1981 Nov 10;202(4):585–96

Development of axosomatic synapses of the Xenopus spinal cord with special reference to subsurface cisterns and C–type synapses. Watanabe H. **J Comp Neurol** 1981 Aug 10;200(3):323–8

Studies on the histomorphology of the caudal neurosecretory system and its neurohaemal organ of a freshwater teleost, Colisa fasciatus (Bloch and Schneider) (Anabantidae, Perciformes). Pandey AC. **J Hirnforsch** 1981;22(4):393–6

Neuroglia in amphibian (Rana tigrina) central nervous system. Sensharma GC, et al. **J Hirnforsch** 1981; 22(3):279–83

A comparative study of EM fixation procedures for the adult rat spinal cord based on regional blood flow. Hill PK, et al. **J Neurosci Methods** 1982 Jan;5(1–2):23–31

Bouton renewal patterns in rat hindlimb cortex after thoracic dorsal funicular lesions. Ganchrow D, et al. **J Neurosci Res** 1981;6(4):525–37

Direct observations on the contacts made between Ia afferent fibres and alpha–motoneurones in the cat's lumbosacral spinal cord. Brown AG, et al. **J Physiol (Lond)** 1981; 313:121–40

Spinal projections of the dorsal root fibers in the cat. Umetani T, et al. **Kobe J Med Sci** 1981 Oct;27(5):173–88

Location of median and ulnar motornuclei in the cat. Fritz N, et al. **Neurosci Lett** 1982 May 28;30(2):103–8

Alterations in Clarke's column secondary to granule cell degeneration in the neurological mutant mice, weaver and staggerer. Smith DE, et al. **Neurosci Lett** 1982 Feb 12; 28(2):175–80

The distribution of lateral funicular and cortical fibers to the dorsal column, Z and X nuclei in the prosimian Galago. Albright BC, et al. **Neuroscience** 1982 May;7(5):1175–85

The differential distribution and relationship of serotoninergic and peptidergic fibers to sympathoadrenal neurons in the intermediolateral cell column of the rat: a combined retrograde axonal transport and immunofluorescence study. Holets V, et al. **Neuroscience** 1982 May;7(5):1155–74

Cells of origin of descending pathways to the spinal cord in the clawed toad (Xenopus laevis). ten Donkelaar HJ, et al. **Neuroscience** 1981;6(11):2297–312

A rapid method for removal of the spinal cord. Meikle AD, et al. **Stain Technol** 1981 Jul;56(4):235–7

[The diameters of the cervical spinal cord shown by amipaque–myelography (author's transl)] Schmidt RC, et al. **ROFO** 1981 Sep;135(3):329–33 (Eng. Abstr.) **(Ger)**

[Identification and myelinization stage of some cervical spinal cord fibers of Gallus gallus domesticus] Costa WS, et al. **Rev Bras Biol** 1981 Nov;41(4):833–9 (Eng. Abstr.) **(Por)**

[Dyssymmetry of the external structure of the human spinal cord: radicular bases and segments (a morphometric study)] Burdel GD. **Arkh Anat Gistol Embriol** 1981 Oct; 81(11):25–34 (Eng. Abstr.) **(Rus)**

[Method of preparing slides of the epidural complexes of spinal cord] Labzin VI, et al. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):71–2 **(Rus)**

[Quantitative indices of myelo– and angioarchitectonics of the posterior funiculus of the spinal cord in cats] Novozemtseva AA. **Arkh Anat Gistol Embriol** 1982 Apr; 82(4):30–4 (Eng. Abstr.) **(Rus)**

[Organization of the life–ensuring systems of spinal cord nerve cells in dogs] Smirnova NV. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):22–9 (Eng. Abstr.) **(Rus)**

[Distribution of ascending fiber systems in the sacrococcygeal segments of the cat spinal cord] Savos'kina LA, et al. **Fiziol Zh** 1981 Jul–Aug;27(4):508–16 (Eng. Abstr.) **(Rus)**

[Collateral branching of rubrospinal axons in brain stem structures] Fanardzhian VV, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):235–43 **(Rus)**

[Study of the connections of brain stem respiratory nuclei by the technic of retrograde transport of horseradish peroxidase] Iakunin VE, et al. **Neirofiziologiia** 1982; 14(2):149–57 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

The arteries of the spinal cord. The history of a paradigmal shift. Luyendijk W. **Acta Neurochir (Wien)** 1982; 61(1–3):25–41

Spinal seizures following intravenous contrast in a patients with a cord AVM [letter] Uhl GR, et al. **Ann Neurol** 1981 Dec;10(6):580–1

Measurement of spinal cord ischemia during operations upon the thoracic aorta: initial clinical experience. Cunningham JN Jr, et al. **Ann Surg** 1982 Sep;196(3):285–96

Intraoperative detection of spinal cord ischemia using somatosensory cortical evoked potentials during thoracic aortic occlusion. Coles JG, et al. **Ann Thorac Surg** 1982 Sep;34(3):299–306

Anterior spinal artery syndrome with chronic traumatic aortic aneurysm. Conti VR, et al. **Ann Thorac Surg** 1982 Jan;33(1):81–5

Thiopental modification of ischemic spinal cord injury in the dog. Nylander WA Jr, et al. **Ann Thorac Surg** 1982 Jan; 33(1):64–8

Spectrum of neurological deficits in experimental CNS ischemia. A quantitative study. Zivin JA, et al. **Arch Neurol** 1982 Jul;39(7):408–12

Spinal arteriovenous malformations in an infant: unusual symptomology and pathology. Binder B, et al. **Dev Med Child Neurol** 1982 Jun;24(3):380–5

A quantitative and morphological study of vascularisation of the developing mouse spinal cord. Sturrock RR. **J Anat** 1981 Mar;132(Pt 2):203–21

Arterial circulation of the spinal cord and brain in the Monodontidae (order Cetacea). Vogl AW, et al. **J Morphol** 1981 Nov;170(2):171–80

Microvessels from the spinal cord: isolation procedure and characterization of the fraction. Joó F, et al. **J Neurochem** 1982 Jul;39(1):263–6

Neuropathology of experimental spinal cord ischemia in the rabbit. DeGirolami U, et al. **J Neuropathol Exp Neurol** 1982 Mar;41(2):129–49

Intraspinal extramedullary arteriovenous fistulae draining into the medullary veins. Merland JJ, et al. **J Neuroradiol** 1980;7(4):271–320 **(Eng, Fre)**

The effect of blood transfusion, dopamine, and gamma hydroxybutyrate on posttraumatic ischemia of the spinal cord. Dolan EJ, et al. **J Neurosurg** 1982 Mar;56(3):350–8

Spinal cord blood flow [letter] Hitchon PW. **J Neurosurg** 1981 Oct;55(4):663

Barbiturate protection in acute experimental spinal cord ischemia. Oldfield EH, et al. **J Neurosurg** 1982 Apr; 56(4):511–6

Arteriovenous malformation of the spinal cord. Surgical treatment of seven cases. Padovani R, et al. **J Neurosurg Sci** 1981 Jan–Mar;25(1):21–6

Delayed infarction of spinal cord white matter following x–irradiation. Blakemore WF, et al. **J Pathol** 1982 Aug; 137(4):273–80

Acute myelopathy caused by fibrocartilaginous emboli. Bots GT, et al. **Neurology (NY)** 1981 Oct;31(10):1250–6

Erosion of vertebral pedicles by unusual vascular causes. Report of three cases. Brooks BS, et al. **Neuroradiology** 1982;23(2):107–12

Paired anterior spinal arteries in a case of locked–in syndrome. Kawamura J, et al. **Neuroradiology** 1981; 22(2):107–10

Arteriovenous malformations (AVM) of the spinal cord in children. A review of 38 cases. Riché MC, et al. **Neuroradiology** 1982;22(4):171–80 (21 ref.)

Ruptured anterior spinal artery aneurysm: repair via a posterior approach. Moore DW, et al. **Neurosurgery** 1982 May;10(5):626–30

Transthoracic approach to an intramedullary vascular malformation of the thoracic spinal cord. Raynor RB, et al. **Neurosurgery** 1982 May;10(5):631–4

Vascular change in the spinal cord after impact injury in the rat. Sasaki S. **Neurosurgery** 1982 Mar;10(3):360–3

The response of spinal cord blood flow to high–dose barbiturates. Hitchon PW, et al. **Spine** 1982;7(1):41–5

[Indications for selective spinal angiography for ischemic lesions in the region of a swelling in the neck] Bret J, et al. **Cesk Neurol Neurochir** 1982 May;45(3):156–62 (Eng. Abstr.) **(Cze)**

[Surgical treatment of thoracic and thoraco–abdominal aneurysms involving the Adamkiewicz's artery. Usefulness of deep hypothermia (author's transl)] Guilmet D, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3303–6 (Eng. Abstr.) **(Fre)**

[Transverse paralysis after temporary cardiovascular arrest (case report on the question of acute ischemic spinal cord damage)] Voigt W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Dec; 33(12):758–61 (Eng. Abstr.) **(Ger)**

[Acute paralysis due to cartilaginous emboli of the spinal cord of the dog. (Clinical and pathological studies)] Stünzi H, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):387–99 (Eng. Abstr.) **(Ger)**

[Spinal phlebography] Pajewski M, et al. **Harefuah** 1981 Oct; 101(7–8):145–8 (Eng. Abstr.) **(Heb)**

[Thoracic disk hernia: importance of the ischemic factor in compression of the lumbar dorsal enlargement of the spinal cord] Grizzi LC, et al. **Riv Neurol** 1982 Mar–Apr; 52(2):65–72 **(Ita)**

[Regional spinal cord blood flow and CO2 response in rats (author's transl)] Kato A, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1195–200 (Eng. Abstr.) **(Jpn)**

[Disturbances of regional spinal cord blood flow and CO2 response by epidural neoplasms (author's transl)] Kato A, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1201–7 (Eng. Abstr.) **(Jpn)**

[Transient augmentation of the evoked spinal cord and peripheral nerve action potentials through ischemia (author's transl)] Iizuka T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1982 Feb 25;56(2):163–70 (Eng. Abstr.) **(Jpn)**

[Experimental study of cervical spondylotic myelopathy—spinal cord blood flow in cervical canal stenosis (author's transl)] Nakamura K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Aug;55(8):747–54 (Eng. Abstr.) **(Jpn)**

[Clinical application of the evoked spinal cord potentials. Part 1. Neurophysiological assessment of the evoked spinal cord potentials in experimental cord trauma – with reference to cord compression and ischemia (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1631–47 (Eng. Abstr.) **(Jpn)**

[Circulation of the spinal cord (author's transl)] Mannen T. **No Shinkei Geka** 1981 Oct;9(11):1223–8 **(Jpn)**

[The anterior spinal artery syndrome] Haldorsen T. **Tidsskr Nor Laegeforen** 1981 Aug 30;101(24):1331–4 (Eng. Abstr.) **(Nor)**

[Development and functional morphology of the ependymal blood vessels of the lumbosacral spinal cord in human postnatal ontogeny] Bakhtinov AP. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):42–6 (Eng. Abstr.) **(Rus)**

[Response of spinal cord capillaries of white rats to exposure to noise] Ivanenko GA. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):54–8 (Eng. Abstr.) **(Rus)**

[Trental treatment of spinal and radicular ischemic syndromes in spinal diseases] Kaz'min AI, et al. **Ortop Travmatol Protez** 1981 Dec;(12):5–9 (Eng. Abstr.) **(Rus)**

[Pulmonary thromboembolism in diseases of the veins of the lumbosacral region of the spine] Nakhapetov BA, et al. **Sov Med** 1982;(4):110–2 **(Rus)**

[Glycogen metabolism of neuronal systems of the spinal cord in experimental ischemia] Greten AG, et al. **Zh Nevropatol Psikhiatr** 1982;82(3):95–9 (Eng. Abstr.) **(Rus)**

[Clinico–electromyographic characteristics of discogenic lumbosacral vascular compression radiculomyeloischemia] Prokhorov AA, et al. **Zh Nevropatol Psikhiatr** 1982; 82(2):224–8 (Eng. Abstr.) **(Rus)**

[Diagnosis of spondylogenic and neoplastic compression–ischemic radiculomyelopathies located in the thoraco–lumbo–sacral area] Makarov AIu, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):52–5 **(Rus)**

[Ischemic disorders complicating spinal cord tumors] Okladnikov GI. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):40–5 (Eng. Abstr.) **(Rus)**

[Tortuous arterioles of the dura mater of the human spinal cord] Reshetilov VI. **Zh Vopr Neirokhir** 1981 Jul–Aug; (4):38–41 **(Rus)**

[Foix–Alajouanine angiodysgenetic myelomalacia] Zuska K, et al. **Cesk Neurol Neurochir** 1982 Mar;45(2):133–7 (Eng. Abstr.) **(Slo)**

[Spinal cord lesions of extraspinal vascular origin] Mazaira Alvarez J, et al. **Rev Clin Esp** 1982 Feb 15;164(3):179–81 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Zinc deficiency–induced trace element concentration and localization changes in the central nervous system of albino rat during postnatal development. I. Optical microscopic histochemical examinations. Kozma M, et al. **Acta Histochem (Jena)** 1982;70(1):54–61

Organization of the nervous structures involved in the control of the anterior pituitary. Halász B. **Acta Physiol Pol** 1981;32 Suppl 23:3–14 (34 ref.)

Radioautographic investigation of serotonin cells. Calas A, et al. **Adv Exp Med Biol** 1981;133:51–66

Innervation of the thymus gland by brain stem and spinal cord in mouse and rat. Bulloch K, et al. **Am J Anat** 1981 Oct;162(2):157–66

The cytoarchitecture of GABAergic neurons in rat spinal cord. Barber RP, et al. **Brain Res** 1982 Apr 29; 238(2):305–28

Enkephalin immunoreactive stalked cells and lamina IIb islet cells in cat substantia gelatinosa. Bennett GJ, et al. **Brain Res** 1982 May 20;240(1):162–6

Patterns of labeling of intraspinal reactive cells in rats injected with [3H]thymidine prior to or following sciatic axotomy. Gilmore SA, et al. **Brain Res** 1981 Aug 10;218(1–2):1–13

Acute effects of intravenous glucocorticoid on cat spinal motor neuron electrical properties. Hall ED. **Brain Res** 1982 May 20;240(1):186–90

Origin and distribution of cholecystokinin–containing nerve terminals in the lumbar dorsal horn and nucleus caudalis of the cat. Maderdrut JL, et al. **Brain Res** 1982 Jul 15; 243(2):363–8

Reduction of naturally–occurring cell death in the thoraco–lumbar preganglionic cell column of the chick embryo by nerve growth factor and hemicholinium–3. Oppenheim RW, et al. **Brain Res** 1982 Jan;255(1):134–9

Development of beta–adrenergic receptors and the in vitro accumulation of cyclic AMP in the chick spinal cord. Prozialeck WC, et al. **Brain Res** 1982 Jan;255(1):49–63

Immunocytochemical demonstration of serotonergic cells,

terminals and axons in the spinal cord of the stingray, Dasyatis sabina. Ritchie TC, et al. **Brain Res** 1982 May 27;240(2):334–7

An approach for the separation of mononuclear inflammatory cells from central nervous system tissue. Zweiman B, et al. **Cell Immunol** 1982 Jan 1;66(1):206–11

Retrograde axon reaction following section of asynaptic nerve fibers. Waxman SG, et al. **Cell Tissue Res** 1982; 223(3):487–92

Autoradiographic identification of estradiol–concentrating cells in the spinal cord of the female rat. Morrell JI, et al. **Exp Brain Res** 1982;45(1–2):144–50

Spaces precede axons in Xenopus embryonic spinal cord. Nordlander RH, et al. **Exp Neurol** 1982 Jan;75(1):221–8

The number and size of motoneurons in the soleus motor nucleus of the normal and dystrophic (C57BL/6J dy2j/dy2j) mouse. Parry DJ, et al. **Exp Neurol** 1982 Mar; 75(3):743–54

Neurons with dual axons in the substantia gelatinosa (SG) of the adult cat lumbosacral spinal cord. Bicknell HR, et al. **Experientia** 1981 Nov 15;37(11):1198–9

A stereological evaluation of synaptic diversity on spinal motoneurons in the rat. Momoh CK, et al. **Experientia** 1982 Jun 15;38(6):694–5

Structural diversity of marginal (lamina I) neurons in the adult monkey (Macaca mulatta) lumbosacral spinal cord: a golgi study. Beal JA, et al. **J Comp Neurol** 1981 Oct 20;202(2):237–54

Primary afferent distribution pattern in the marginal zone (lamina 1) of adult monkey and cat lumbosacral spinal cord. Beal JA, et al. **J Comp Neurol** 1981 Oct 20;202(2):255–63

Rohon–Beard cells in frog development: a study of temporal and spatial changes in a transient cell population. Eichler VB, et al. **J Comp Neurol** 1981 Nov 20;203(1):121–30

Guidance of neuritic growth in the transverse plane of embryonic mouse spinal cord. Holley JA, et al. **J Comp Neurol** 1982 Mar 10;205(4):360–70

Early development of the circumferential axonal pathway in mouse and chick spinal cord. Holley JA. **J Comp Neurol** 1982 Mar 10;205(4):371–82

Evidence for a lack of distinct rubrospinal somatotopy in the North American opossum and for collateral innervation of the cervical and lumbar enlargements by single rubral neurons. Martin GF, et al. **J Comp Neurol** 1981 Sep 10; 201(2):255–63

Neurotropic influence of mesenchymal limb target tissue on spinal cord neurite growth in vitro. Pollack ED, et al. **J Comp Neurol** 1981 Aug 10;200(3):393–405

Neuritogenic determinant of bovine P2 protein in peripheral nerve myelin. Uyemura K, et al. **J Neurochem** 1982 Sep; 39(3):895–8

A marker for oligodendrocytes and its relation to myelinogenesis: an immunocytochemical study with experimental allergic encephalomyelitis serum and C.N.S. cultures. Bonnaud–Toulze EN, et al. **J Neurocytol** 1981 Aug;10(4):645–57

Non–neuronal cells in the spinal cord of nude and heterozygous mice. II. Agranular leukocytes in the subarachnoid and perivascular space. Kerns JM, et al. **J Neurocytol** 1981 Oct;10(5):819–31

Non–neuronal cells in the spinal cord of nude and heterozygous mice. I. Ventral horn neuroglia. Kerns JM, et al. **J Neurocytol** 1981 Oct;10(5):805–18

Post–embedding immunoperoxidase staining of glial fibrillary acidic protein for light and electron microscopy. DeArmond SJ, et al. **J Neuroimmunol** 1981 Mar;1(1):3–15

Recording of spontaneous activity with photoetched microelectrode surfaces from mouse spinal neurons in culture. Gross GW, et al. **J Neurosci Methods** 1982 Jan; 5(1–2):13–22

Patterns of recurrent excitation and mutual inhibition of cat Renshaw cells. Ryall RW. **J Physiol (Lond)** 1981 Jul; 316:439–52

Postnatal death of motor neurons during the development of the brachial spinal cord of the rat. Nurcombe V, et al. **Neurosci Lett** 1981 Dec 23;27(3):249–54

Primary afferent and sacral dorsal horn neuron responses to vaginal probing in the cat. Price DD, et al. **Neurosci Lett** 1981 Oct;26(1):67–72

Diurnal variation in excitation of dorsal horn units by naloxone in the spinal cat suggests a circulating opioid factor. Henry JL. **Neuroscience** 1981;6(10):1935–42

An immunohistochemical study of neuronal populations containing neuropeptides or gamma–aminobutyrate within the superficial layers of the rat dorsal horn. Hunt SP, et al. **Neuroscience** 1981;6(10):1883–98

Microglia, monocytes, and macrophages. Adrian EK Jr, et al. **Prog Clin Biol Res** 1981;59A:113–24

The numerical densities of alpha and gamma motoneurons in lamina IX of the cervical cord of the rat: a method of determining the separate numerical densities of two mixed populations of anatomically similar cells. Howard V, et al. **Prog Clin Biol Res** 1981;59B:173–83

[Neurons projecting from the cervical cord to the upper brain stem in the rat. A step to elucidate pain mechanisms (author's transl)] Yamada K. **Nippon Ika Daigaku Zasshi** 1982;49(3):393–402 **(Jpn)**

[Structure and localization of sympathetic neurons in the cat spinal cord] Shabanov AN. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):28–34 (Eng. Abstr.) **(Rus)**

[Pharmacologic evidence for the existence of dopaminergic interneurons in the spinal cord of rats] Abramets II, et al. **Fiziol Zh** 1982 Mar–Apr;28(2):170–4 (Eng. Abstr.) **(Rus)**

[Intracellular horseradish peroxidase injection study of connections between primary afferents and spinal cord motor neurons in the frog] Motorina MV, et al. **Neirofiziologiia** 1982;14(1):60–8 (Eng. Abstr.) **(Rus)**

[Behavior characteristics of nerve and muscle cells in mixed cultures of chick embryo skeletal muscle and spinal cord] Museridze DP, et al. **Tsitologiia** 1982 May;24(5):610–2 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Nitrous oxide activates the supraspinal pain inhibition system. Komatsu T, et al. **Acta Anaesthesiol Scand** 1981 Dec; 25(6):519–22

Naloxone does not antagonize the anesthetic–induced depression of nociceptor–driven spinal cord response in spinal cats. Shingu K, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):526–32

Antianalgesic action of thiamylal sodium in cats. Tomemori N, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):523–5

Effects of dantrolene sodium on gabaergic activity in spinal cord, corpus striatum, substantia nigra and cerebral cortex in rat. Patti F, et al. **Acta Neurol (Napoli)** 1981 Apr; 36(2):384–8

Localization of toxic encephalopathies near lesions of experimental allergic encephalomyelitis. Levine S, et al. **Am J Pathol** 1982 May;107(2):135–41

Spinal cord effects of epinephrine [letter] Collins JG, et al. **Anesth Analg (Cleve)** 1981 Dec;60(12):913–4

The anticholinesterase activity of tetanus toxin: comparison between intoxication by organophosphoric esters and by tetanus toxin. Leonardi G. **Ann Sclavo** 1981 May–Jun; 23(3):290–300 (59 ref.)

Effects of phenylethylamine on spinal cord reflex activity of the frog. Galindo J. **Arch Invest Med (Mex)** 1982; 13(2):59–64 passim **(Eng, Spa)**

Selective depression of synaptic transmission of spinal neurones in the cat by a new centrally acting muscle relaxant, 5–chloro–4–(2–imidazolin–2–yl–amino)–2, 1, 3–benzothiodazole (DS103–282). Davies J. **Br J Pharmacol** 1982 Jul;76(3):473–81

The effects of a series of omega–phosphonic alpha–carboxylic amino acids on electrically evoked and excitant amino acid–induced responses in isolated spinal cord preparations. Evans RH, et al. **Br J Pharmacol** 1982 Jan;75(1):65–75

Analgesic effect of intrathecal morphine demonstrated in ascending nociceptive activity in the rat spinal cord an in effectiveness of caerulein and cholecystokinin octapeptide. Doi T, et al. **Brain Res** 1982 Feb 25;234(2):399–407

The relationship between morphine analgesia and the activity of bulbo–spinal serotonergic system as studied by tolerance phenomenon. Godefroy F, et al. **Brain Res** 1981 Dec 7; 226(1–2):201–10

Glucocorticoid effects on the electrical properties of spinal motor neurons. Hall ED. **Brain Res** 1982 May 20; 240(1):109–16

Effects of 4–aminopyridine on synaptic transmission in the cat spinal cord. Jankowska E, et al. **Brain Res** 1982 May 20;240(1):117–29

A spinal opioid synapse mediates the interaction of spinal and brain stem sites in morphine analgesia. Levine JD, et al. **Brain Res** 1982 Mar 18;236(1):85–91

The effects of intrathecal sympathomimetic agents on neural activity in the lumbar sympathetic chain of rats. LoPachin RM, et al. **Brain Res** 1981 Nov 9;224(1):195–8

Cholecystokinin in the rat spinal cord: distribution and lack of effect of neonatal capsaicin treatment and rhizotomy. Marley PD, et al. **Brain Res** 1982 Apr 29;238(2):494–8

Dual effects of substance P on the excitability of single cutaneous primary afferent C– and A–fibers in the cat spinal cord. Randić M, et al. **Brain Res** 1982 Feb 11;233(2):389–93

Opiate alkaloids antagonize postsynaptic glycine and GABA responses: correlation with convulsant action. Werz MA, et al. **Brain Res** 1982 Mar 18;236(1):107–19

Selective action of piretanide on primary afferent GABA responses in the frog spinal cord. Wojtowicz JM, et al. **Brain Res** 1982 Mar 18;236(1):173–81

Lumbar intrathecal naloxone blocks analgesia produced by microstimulation of the ventromedial medulla in the rat. Zorman G, et al. **Brain Res** 1982 Mar 18;236(1):77–84

Baclofen–induced decrease of excitability of primary afferents and depression of monosynaptic transmission in cat spinal cord. Capek R, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):160–6

Central and peripheral myelinopathy associated with systemic neoplasia and chemotherapy. Mena H, et al. **Cancer** 1981 Oct 15;48(8):1724–37

Contrasting effects of clonidine and 5–hydroxytryptophan on spinal sympathetic pathways. Madsen PW, et al. **Clin Exp Hypertens** 1981;3(6):1151–63

A new technique for the in vivo bioassay of opiates and other drugs on mouse spinal cord. Fu TC, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):239–42

The effects of 5–hydroxytryptamine–depleting drugs on peptides in the ventral spinal cord. Gilbert RF, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):203–10

Temporary spinalization reverses the inhibitory effect of cyclazocine on the nociceptive response of rabbit spinal dorsal horn lamina V–type neurons. Kawajiri S, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):237–40

Strychnine: brainstem and spinal mediation of excitatory effects on acoustic startle. Kehne JH, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):177–86

Effects of phencyclidine on excitatory amino acid activation of spinal interneurones in the cat. Lodge D, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):203–4

Methyltetrahydrofolate as an antagonist of excitatory amino acids on spinal neurones. McLennan H. **Eur J Pharmacol** 1982 Apr 23;79(3–4):307–10

Analgesic activity of intraspinally administered dynorphin and ethylketocyclazocine. Piercey MF, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):283–4

Spinal and Supraspinal sites for morphine and nefopam analgesia in the mouse. Piercey MF, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):135–40

Morphine analgesia in tail–flick and formalin pain tests is mediated by different neural systems. Abbott FV, et al. **Exp Neurol** 1982 Mar;75(3):644–51

Ultrastructural changes after intracisternal injection of 6–hydroxydopamine in the intermediolateral nucleus of the monkey (Macaca fascicularis). Wong WC, et al. **J Anat** 1981 Oct;133(Pt 3):321–31

Spontaneous and evoked electrical discharges from a central demyelinating lesion. Smith KJ, et al. **J Neurol Sci** 1982 Jul;55(1):39–47

Rhythmic activity of spinal interneurons in harmaline–treated cats. A model for olivo–cerebellar influence at the spinal level. Weiss M. **J Neurol Sci** 1982 Jun;54(3):341–8

Correlation of methylprednisolone levels in cat spinal cord with its effects on (Na+ + K+)–ATPase, lipid peroxidation, and alpha motor neuron function. Braughler JM, et al. **J Neurosurg** 1982 Jun;56(6):838–44

Deterioration of spinal reflex in beagles orally ingesting clioquinol. Goto M, et al. **J Toxicol Sci** 1982 Feb;7(1):1–12

Alterations in drug induced catalepsy and post–decapitation convulsions following brain and spinal cord depletion of norepinephrine by the neurotoxin DSP–4. Asin KE, et al. **Life Sci** 1982 May 3;30(18):1531–6

Inhibitory effects of dorsal horn and excitant effects of ventral horn intraspinal microinjections of norepinephrine and serotonin in the cat. Bell JA, et al. **Life Sci** 1981 Oct 12;29(15):1507–14

Lack of effect of morphine and noxious stimuli on the MET–enkephalin content in the spinal dorsal horn and nucleus reticularis gigantocellularis of the rat. Kuraishi Y, et al. **Life Sci** 1982 Jun 14;30(24):2071–7

Pharmacology of GABA–mediated inhibition of spinal cord neurons in vivo and in primary dissociated cell culture. Macdonald RL, et al. **Mol Cell Biochem** 1981 Aug 11;38 Spec No(Pt 1):147–62 (203 ref.)

Rhythmic activity in the cerebellum and spinal cord of rabbits receiving tetanus toxin intravenously. Huck S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):51–3

Effects of glutamic acid diethylester and kainic acid diethylester on discharges of Renshaw cells. Lekić DM, et al. **Neuropharmacology** 1981 Nov;20(11):1013–6

Avermectin B1a inhibits the binding of strychnine to the glycine receptor of rat spinal cord. Graham D, et al. **Neurosci Lett** 1982 Apr 16;29(2):173–6

Benzodiazepines enhance the bicuculline–sensitive part of recurrent Renshaw inhibition in the cat spinal cord. Polc P, et al. **Neurosci Lett** 1982 Feb 12;28(2):193–7

Effects of picrotoxin upon response characteristics of wide dynamic range neurons in the spinal cord of cat and monkey. Yokota T, et al. **Neurosci Lett** 1982 Mar 5; 28(3):259–63

Effects of capsaicin applied locally to adult peripheral nerve. II. Anatomy and enzyme and peptide chemistry of peripheral nerve and spinal cord. Ainsworth A, et al. **Pain** 1981 Dec;11(3):379–88

The contribution of nucleus reticularis paragigantocellularis and nucleus raphe magnus to the analgesia produced by systemically administered morphine, investigated with the microinjection technique. Azami J, et al. **Pain** 1982 Mar; 12(3):229–46

Effects of capsaicin applied locally to adult peripheral nerve. I. Physiology of peripheral nerve and spinal cord. Wall PD, et al. **Pain** 1981 Dec;11(3):363–77

Spinal opiate analgesia: characteristics and principles of action. Yaksh TL. **Pain** 1981 Dec;11(3):293–346 (230 ref.)

Spinal modulation of acoustic startle: opposite effects of clonidine and d–amphetamine. Davis M, et al. **Psychopharmacology (Berlin)** 1981;75(3):219–25

The influence of halothane and nitroprusside on canine spinal cord hemodynamics. Jacobs HK, et al. **Spine** 1982; 7(1):35–40

[Analysis of histochemical changes caused by acute Wofatox poisoning in a model experiment] Karcsú S, et al. **Morphol Igazsagugyi Orv Sz** 1981 Oct;21(4):289–96 (Eng. Abstr.) **(Hun)**

[Effects of ketamine and thiamylal on isolated spinal cords of new–born rats (author's transl)] Nakano S. **Masui** 1982 Apr;31(4):304–12 (Eng. Abstr.) **(Jpn)**

[Effects of 4'ethyl–2–methyl–3–piperidinopropiophenone on experimental rigidity and spinal cord activities (author's transl)] Tanaka K, et al. **Nippon Yakurigaku Zasshi** 1981 May;77(5):511–20 (Eng. Abstr.) **(Jpn)**

[Effects of mecamylamine and pempidine, secondary and tertiary amines, on the spinal reflex of cats (author's transl)] Yamada S, et al. **Nippon Yakurigaku Zasshi** 1981 May; 77(5):469–76 (Eng. Abstr.) **(Jpn)**

[Primary afferent depolarization induced by gamma–aminobutyric acid injected into the central canal

of the spinal cord in the cat] Kozhechkin SN, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):703-5 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of neuroleptics as antagonists of noradrenaline and dopamine] Abramets II, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):287-91 (Eng. Abstr.) **(Rus)**

[Effect of opiate peptides on interneuronal transmission in the spinal cord] Aliautdin RN, et al. **Farmakol Toksikol** 1981 Jul-Aug;44(4):406-10 (Eng. Abstr.) **(Rus)**

[Effect of neutral amino acids on neurons and synaptic transmission in the isolated rat spinal cord] Abramets II, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1160-7 (Eng. Abstr.) **(Rus)**

[Effect of noradrenaline and serotonin on synaptic transmission in the rat spinal cord] Abramets II, et al. **Neirofiziologiia** 1982;14(3):241-7 **(Rus)**

[Effect of drugs potentiating or inhibiting the activity of locus coeruleus neurons on various types of spinal inhibition in the cat] Iakhnitsa IA, et al. **Neirofiziologiia** 1981; 13(3):247-58 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Observations on the development of descending pathways from the brain stem to the spinal cord in the clawed toad Xenopus laevis. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1982;163(4):461-73

Spinal cord neuronotrophic factors (SCNTFs): I. Bioassay of schwannoma and other conditioned media. Longo FM, et al. **Brain Res** 1982 Feb;255(2):277-94

Morphology and position of growth cones in the developing Xenopus spinal cord. Nordlander RH, et al. **Brain Res** 1982 Jun;256(2):181-93

Localization of vimentin, the nonspecific intermediate filament protein, in embryonal glia and in early differentiating neurons. In vivo and in vitro immunofluorescence study of the rat embryo with vimentin and neurofilament antisera. Bignami A, et al. **Dev Biol** 1982 Jun;91(2):286-95

Neural induction of chick myoblast differentiation in culture. Bonner PH, et al. **Dev Biol** 1982 Mar;90(1):175-84

Intermediate filament proteins in the developing chick spinal cord. Tapscott SJ, et al. **Dev Biol** 1981 Aug;86(1):40-54

The effects of electrical inactivity and denervation on the distribution of acetylcholine receptors in developing rat muscle. Ziskind-Conhaim L, et al. **Dev Biol** 1982 Mar; 90(1):185-97

Developmental formation and cortisol regulation of gamma-glutamyl transpeptidase in brain and spinal cord of chick embryo. Lisý V, et al. **Dev Neurosci** 1981; 4(6):401-7

Microglia in the prenatal mouse neostriatum and spinal cord. Sturrock RR. **J Anat** 1981 Dec;133(Pt 4):499-512

Identification of early neurons in the brainstem and spinal cord. II. An autoradiographic study in the mouse. McConnell JA. **J Comp Neurol** 1981 Aug 1;200(2):273-88

Onset of synapse formation in the human spinal cord. Okado N. **J Comp Neurol** 1981 Sep 10;201(2):211-9

The effect of spinal cord transection on lung development in fetal sheep. Liggins GC, et al. **J Dev Physiol** 1981 August;3(4):267-74

Genetically associated similarities and differences in the generation of neurons comprising an early developing reflex pathway in mouse spinal cord. Sims TJ, et al. **J Neurocytol** 1981 Oct;10(5):833-46

The effect of lesions in the neural crest on the formation of synaptic connexions in the embryonic chick spinal cord. Eide AL, et al. **J Physiol (Lond)** 1982 Mar;324:453-78

[The development of motor neurons of the lateral motor column of chick embryo spinal cord and the naturally occurring cell death. II. Prevention of naturally occurring cell death with neuromuscular blocking agents (author's transl)] Doi H. **Fukuoka Igaku Zasshi** 1981 Jul;72(7):414-22 (Eng. Abstr.) **(Jpn)**

[The development of motor neurons of the lateral motor column of chick embryo spinal cord and the naturally occurring cell death. I. Histometric study (author's transl)] Doi H. **Fukuoka Igaku Zasshi** 1981 Jul;72(7):404-13 (Eng. Abstr.) **(Jpn)**

[Nuclear proteins and nucleic acids during differentiation of neurons in the spinal cord ganglia, spinal cord and tectum opticum in chickens. Cytophotometric study with computation programs] Olenev SN. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):31-9 (Eng. Abstr.) **(Rus)**

[New data on the early synaptogenesis in the spinal cord of human embryo] Milokhin AA, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):95-8 **(Rus)**

ENZYMOLOGY

Localization of aldose reductase and sorbitol dehydrogenase in the nervous system of normal and diabetic rats. Orosz SE, et al. **Acta Diabetol Lat** 1981 Oct-Dec;18(4):373-81

Histoenzmological mapping of ATPase and 5-nucleotidase in the spinal cord and medulla oblongata of hedgehog (Paraechinus micropus). Sukumaran M, et al. **Acta Morphol Neerl Scand** 1982 Mar;20(1):43-55

Enzyme activities in the central nervous system of the epilepsy-prone rat. Dailey JW, et al. **Brain Res** 1982 Jan 7;231(1):225-30

Changes in acid phosphatase activity in the substantia gelatinosa in response to pain. Kantner RM, et al. **Brain Res** 1982 Apr 29;238(2):451-6

Distribution of nervous system-specific forms of enolase in peripheral tissues. Kato K, et al. **Brain Res** 1982 Apr 15; 237(2):441-8

Chemoarchitectonics of spinal cord of a microchiropteran bat (Taphozous melanopogon Temminck). Sood PP, et al. **Cell Mol Biol** 1981;27(6):623-34

Adrenaline neurons and PNMT activity in the brain and spinal cord of genetically hypertensive rats and rats with DOCA--salt hypertension. Chalmers JP, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):219s-221s

Effects of prenatal capsaicin treatment on fetal spontaneous activity, opiate receptor binding, and acid phosphatase in the spinal cord. Kirby ML, et al. **Exp Neurol** 1982 May; 76(2):298-308

Histochemical localization of acetylcholinesterase in the glycogen body (sinus rhomboidalis) of common brown dove, Streptopelia senegalensis and house sparrow, Passer domesticus. Kumar U, et al. **Experientia** 1982 May 15; 38(5):619-21

A calcium-dependent protease selectively degrading the 160 000 Mr component of neurofilaments is associated with the cytoskeletal preparation of the spinal cord and has an endogenous inhibitory factor. Tashiro T, et al. **FEBS Lett** 1982 May 3;141(1):41-4

Enkephalinase A activity in different regions of brain and spinal cord of normal and chronic arthritic rats. van Veldhoven P, et al. **FEBS Lett** 1982 Feb 8;138(1):76-8

Immunocytochemical localization of GABAergic neurones at the electron microscopical level. Ribak CE, et al. **Histochem J** 1981 Jul;13(4):555-82

Immunohistochemical localization of carbonic anhydrase isoenzyme C in the central and peripheral nervous system of the mouse. Kumpulainen T, et al. **J Histochem Cytochem** 1982 Apr;30(4):283-92

Plasmalemma-bound nucleoside diphosphatase as a cytochemical marker of central nervous system (CNS) mesodermal cells. Vorbrodt AW, et al. **J Histochem Cytochem** 1982 May;30(5):418-24

The relationship of myelin basic protein (arginine) methyltransferase to myelination in mouse spinal cord. Crang AJ, et al. **J Neurochem** 1982 Jul;39(1):244-7

Testosterone 5 alpha-reductase in spinal cord of Xenopus laevis. Jurman ME, et al. **J Neurochem** 1982 Mar; 38(3):657-61

A micromethod for the determination of ceramide. Jones M, et al. **J Neurosci Methods** 1982 May;5(4):383-8

Vertically oriented alternating acetylcholinesterase rich and poor territories in laminae VI, VII, VIII of the lumbosacral cord of the rat. Marchand R, et al. **Neuroscience** 1982 May; 7(5):1197-202

Neurotoxic esterase in peripheral nerve: assay, inhibition, and rate of resynthesis. Caroldi S, et al. **Toxicol Appl Pharmacol** 1982 Mar 15;62(3):498-501

[Oblongata in the spinal trigeminal nucleus of the adult rat (author's transl)] Inomata K, et al. **No To Shinkei** 1981 Oct;33(10):1037-43 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Development of the glycogen body through the whole length of the chick spinal cord. Uehara M, et al. **Anat Rec** 1982 Apr;202(4):511-9

On the species and substrate specificity of conditioned medium enhancement of neuritic outgrowth from spinal cord explants. Dribin LB. **Brain Res** 1982 Feb;255(2):300-4

Immunocytochemical localization of beta-endorphin (lipotropin C-fragment) in the developing rat spinal cord and hypothalamus. Haynes LW, et al. **Brain Res** 1982 Jan 28;232(1):115-28

Induction of hindlimb stepping movements in rats spinally transected as adults or as neonates. Meisel RL, et al. **Brain Res** 1982 May 27;240(2):353-6

Target tissue control of nerve fiber growth rate and periodicity in vitro. Muhlach WL, et al. **Brain Res** 1982 Jul;256(3):361-4

Radioautographic evidence for the protracted proliferation of glial cells in the central nervous system of jimpy mice. Privat A, et al. **Brain Res** 1981 Oct;254(3):411-6

Stage dependency in eliciting target-dependent enhanced neurite outgrowth from spinal cord explants in vitro. Pollack ED, et al. **Dev Biol** 1981 Aug;86(1):259-63

An ultrastructural examination of early ventral root formation in amphibia. Nordlander RH, et al. **J Comp Neurol** 1981 Jul 10;199(4):535-51

Developmental changes of N-acetyl-L-aspartic acid, N-acetyl-alpha-aspartylglutamic acid and beta-citryl-L-glutamic acid in different brain regions and spinal cords of rat and guinea pig. Miyake M, et al. **J Neurochem** 1981 Oct;37(4):1064-7

The maturation of the ventral root-spinal cord transitional zone. Part 2. A quantitative ultrastructural study of the dynamics of its early development. Fraher JP, et al. **J Neurol Sci** 1982 Jan;53(1):63-75

Changing relation between onset of myelination and axon diameter range in developing feline white matter. Remahl S, et al. **J Neurol Sci** 1982 Apr;54(1):33-45

Mauthner axon diameter and impulse conduction velocity decrease with growth of goldfish. Funch PG, et al. **Neurosci Lett** 1981 Dec 11;27(2):159-64

Microanatomy of enkephalin-containing neurones in the developing rat spinal cord in vitro. Haynes LW, et al. **Neuroscience** 1981;6(10):1899-916

Development and maturation of central nervous system myelin: comparison of immunohistochemical localization of proteolipid protein and basic protein in myelin and oligodendrocytes. Hartman BK, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4217-20

IMMUNOLOGY

Effect of prolonged and neonatal capsaicin treatments on the substance P immunoreactive nerves in the rabbit eye and spinal cord. Tervo K. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):737-46

Immunology cross-reactivity between spinal cord protein and myelin basic protein. Ramshaw IA, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):196-200

Longitudinal spinal cord sections as substratum for anti-neurofilament antibody detection. Bahmanyar S, et al. **J Neurol Sci** 1982 Jan;53(1):85-90

Factors governing release of methionine enkephalin-like immunoreactivity from mesencephalon and spinal cord of the cat in vivo. Yaksh TL, et al. **J Neurophysiol** 1981 Nov; 46(5):1056-75

Substance P-like immunoreactivity in neurons in dissociated cell cultures of mammalian spinal cord and dorsal root ganglia. Neale EA, et al. **J Neurosci** 1982 Feb;2(2):169-77

Substance P-, met-enkephalin- and somatostatin-like immunoreactivity distribution in the frog spinal cord. Lorez HP, et al. **Neurosci Lett** 1981 Oct 23;26(2):119-24

Specific inhibition of anti-self reactivity following exposure of neonatal rats to lymphocytes with anti-neural activity. Cunningham J, et al. **Scand J Immunol** 1981;13(4):327-33

Migration of lymphocytes sensitized against syngeneic and allogeneic spinal cord after infusion into susceptible and resistant syngeneic and semi-allogeneic hosts. Cunningham J, et al. **Scand J Immunol** 1981;13(4):335-41

METABOLISM

Early myelin formation and glial cell development in the human spinal cord. Okado N. **Anat Rec** 1982 Apr; 202(4):483-90

UV light-induced cross-linking of strychnine to the glycine receptor of rat spinal cord membranes. Graham D, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1330-5

Alterations in neurotransmitter receptor binding in the spinal cord after transection. Charlton G, et al. **Brain Res** 1981 Aug 10;218(1-2):372-5

Deoxyglucose uptake in the rat thoracolumbar cord during activation of aortic baroreceptor afferent fibers. Ciriello J, et al. **Brain Res** 1982 Jan 7;231(1):240-5

Central nervous system myelin proteins and glycoproteins in vertebrates: a phylogenetic study. Franz T, et al. **Brain Res** 1981 Dec 7;226(1-2):245-58

Effect of capsaicin administration to neonatal rats on the substance P content of discrete CNS regions. Helke CJ, et al. **Brain Res** 1981 Oct 19;222(2):428-31

Presence and distribution of phenylethylamine in the rat spinal cord. Karoum F, et al. **Brain Res** 1981 Nov 30; 225(2):442-5

GABA- and glycine-induced Cl- channels in cultured mouse spinal neurons require the same energy to close. Mathers DA, et al. **Brain Res** 1981 Nov 16;224(2):441-5

Central noradrenaline metabolism in cerebellar ataxic mice. Muramoto O, et al. **Brain Res** 1982 Apr 15;237(2):387-95

Effect of dorsal rhizotomy on the autoradiographic distribution of opiate and neurotensin receptors and neurotensin-like immunoreactivity within the rat spinal cord. Ninkovic M, et al. **Brain Res** 1981 Dec 28; 230(1-2):111-9

Localization of opiate and histamine H1-receptors in the primate sensory ganglia and spinal cord. Ninkovic M, et al. **Brain Res** 1982 Jun 10;241(2):197-206

Solubilization of the glycine receptor from rat spinal cord. Pfeiffer F, et al. **Brain Res** 1981 Dec 7;226(1-2):273-9

Selective retrograde transport of D-aspartate in spinal interneurons and cortical neurons of rats. Rustioni A, et al. **Brain Res** 1982 Mar 18;236(1):143-55

Mechanism of kyotorphin-induced release of Met-enkephalin from guinea pig striatum and spinal cord. Shiomi H, et al. **Brain Res** 1981 Sep 21;221(1):161-9

Histamine H1 receptors in the brain and spinal cord of the cat. Taylor JE, et al. **Brain Res** 1982 Jul 15;243(2):391-4

Spinal neurons mediate return of substance P following deafferentation of cat spinal cord. Tessler A, et al. **Brain Res** 1981 Dec 28;230(1-2):263-81

Benzomorphan binding sites in rat lumbo-sacral spinal cord. Gouardères C, et al. **Eur J Pharmacol** 1982 Mar 26; 78(4):483-6

Content and turnover of noradrenaline in spinal cord and cerebellum of spontaneously hypertensive and stroke-prone rats. Howe PR, et al. **Eur J Pharmacol** 1981 Jul 17; 73(2-3):123-9

Quantitative autoradiography of neurotransmitter receptors using tritium-sensitive film. Penney JB, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):421-2

Ontogeny of opioid pharmacology and receptors: high and low affinity site differences. Zhang AZ, et al. **Eur J Pharmacol** 1981 Jul 17;73(1):29-40

The immaturity of interactions between GABA- and benzodiazepine binding sites in the frog spinal cord. Oka JI, et al. **Gen Pharmacol** 1981;12(5):385-9

Pharmacological characteristics of spinal

alpha-adrenoreceptors in rats. Connor HE, et al. **J Auton Pharmacol** 1981 Mar;1(2):149-56

Multiple phosphorylation sites in mammalian neurofilament polypeptides. Julien JP, et al. **J Biol Chem** 1982 Sep 10; 257(17):10467-70

The distribution of nine peptides in rat spinal cord with special emphasis on the substantia gelatinosa and on the area around the central canal (lamina X). Gibson SJ, et al. **J Comp Neurol** 1981 Sep 1;201(1):65-79

Immunohistochemical evidence of indolamine neurons in monkey spinal cord. Lamotte CC, et al. **J Comp Neurol** 1982 Apr 20;206(4):359-70

Neurotensin immunoreactivity in the superficial laminae of the dorsal horn of the rat: I. Light microscopic studies of cell bodies and proximal dendrites. Seybold VS, et al. **J Comp Neurol** 1982 Feb 10;205(1):89-100

Caudal neurosecretory system of a fresh water percid teleost, Colisa fasciatus (Bl. and Schn.): a histocytochemical study. Pandey AC. **J Hirnforsch** 1981;22(4):479-80

Effects of a single intravenous glucocorticoids dose on biogenic amine levels in cat lumbar spinal cord. Hall ED, et al. **J Neurochem** 1982 Jun;38(6):1787-90

Presence of conjugated 5-hydroxytryptamine in in vivo superfusates of rat spinal cord. Hammond DL, et al. **J Neurochem** 1981 Oct;37(4):1068-71

Determination of the equilibrium dissociation constants and number of glycine binding sites in several areas of the rat central nervous system, using a sodium-independent system. Kishimoto H, et al. **J Neurochem** 1981 Oct; 37(4):1015-24

Chloroquine intoxication induces ganglioside storage in nervous tissue: a chemical and histopathological study of brain, spinal cord, dorsal root ganglia, and retinal in the miniature pig. Klinghardt GW, et al. **J Neurochem** 1981 Oct;37(4):897-908

Active uptake of substance P carboxy-terminal heptapeptide (5-11) into rat brain and rabbit spinal cord slices. Nakata Y, et al. **J Neurochem** 1981 Dec;37(6):1529-34

Capsaicin does not change tissue levels of glutamic acid, its uptake, or release in the rat spinal cord. Singer EA, et al. **J Neurochem** 1982 May;38(5):1383-6

Glycoprotein biosynthesis in peripheral nervous system myelin: effect of tunicamycin. Smith ME, et al. **J Neurochem** 1982 Apr;38(4):1044-9

Agonist regulation of muscarinic acetylcholine receptors in rat spinal cord. Taylor JE, et al. **J Neurochem** 1982 Aug; 39(2):521-4

Buprenorphine: high-affinity binding to dorsal spinal cord. Villiger JW, et al. **J Neurochem** 1982 Jun;38(6):1771-3

Lipid and protein alterations of spinal cord and cord myelin of multiple sclerosis. Yu RK, et al. **J Neurochem** 1982 Aug; 39(2):464-77

Immunohistochemical studies on the effect of capsaicin on spinal and medullary peptide and monoamine neurons using antisera to substance P, gastrin/CCK, somatostatin, VIP, enkephalin, neurotensin and 5-hydroxytryptamine. Jancsó G, et al. **J Neurocytol** 1981 Dec;10(6):963-80

Use of an experimental autoimmune model to define nerve growth factor dependency of peripheral and central substance P-containing neurons in the rat. Ross M, et al. **J Neurosci** 1981 Nov;1(11):1304-11

Influence of triiodothyronine on the amino acid uptake of brain and spinal cord in normal and spinal hemisected adult rats. Wells MR, et al. **J Neurosci Res** 1981;6(5):609-20

Changes in sensitivity to intrathecal norepinephrine and serotonin after 6-hydroxydopamine (6-OHDA), 5,6-dihydroxytryptamine (5,6-DHT) or repeated monoamine administration. Howe JR, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):311-21

Adenosine regulation of cyclic 3',5'-adenosine monophosphate formation in rat spinal cord. Jones DJ. **J Pharmacol Exp Ther** 1981 Nov;219(2):370-6

Distribution of radioactivity in the spinal cord after intracerebroventricular and intravenous injection of radiolabeled opioid peptides in mice. Ohlsson AE, et al. **J Pharmacol Exp Ther** 1982 May;221(2):362-7

The respective roles of tryptophan uptake and tryptophan hydroxylase in the regulation of serotonin synthesis in the central nervous system. Hamon M, et al. **J Physiol (Paris)** 1981;77(2-3):269-79

Postnatal development of the GABA system in the rat spinal cord. Saito K, et al. **Jpn J Pharmacol** 1982 Feb;32(1):1-7

Substance P and enkephalins in spinal cord after limb amputation [letter] Hunt SP, et al. **Lancet** 1982 May 1; 1(8279):1023

Bombesin-like peptides in rat spinal cord: biochemical characterization, localization and mechanism of release. Moody TW, et al. **Life Sci** 1981 Nov 30;29(22):2273-9

Central nervous system lipid alterations in rats with experimental allergic encephalomyelitis and its suppression by immunosuppressive drugs. Roth GA, et al. **Life Sci** 1982 Mar 8;30(10):859-66

Buprenorphine : characteristics of binding sites in the rat central nervous system. Villiger JW, et al. **Life Sci** 1981 Dec 28;29(26):2699-708

In vivo phosphorylation of neurofilament proteins in the central nervous system of immature rat and rabbit. Honchar MP, et al. **Neurochem Res** 1982 Apr;7(4):365-72

Adrenergic receptors in rat spinal cord. Jones DJ, et al. **Neuropharmacology** 1982 Apr;21(4):367-70

Somatostatin immunoreactive cell bodies in the dorsal horn and the parasympathetic intermediolateral nucleus of the rat spinal cord. Dalsgaard CJ, et al. **Neurosci Lett** 1981 Dec 23;27(3):335-9

Anatomical evidence for bulbospinal monoamine axon damage in rats with experimental allergic encephalomyelitis. Bieger D, et al. **Neuroscience** 1981; 6(9):1745-52

Light microscopic and ultrastructural localization of immunoreactive substance P in the dorsal horn of monkey spinal cord. DiFiglia M, et al. **Neuroscience** 1982 May; 7(5):1127-39

The effects of monoamine neurotoxins on peptides in the rat spinal cord. Gilbert RF, et al. **Neuroscience** 1982 Jan; 7(1):69-87

Fluoride-resistant acid phosphatase-containing neurones in dorsal root ganglia are separate from those containing substance P or somatostatin. Nagy JI, et al. **Neuroscience** 1982 Jan;7(1):89-97

Spinal cord glucose utilization after experimental spinal cord injury. Rawe SE, et al. **Neurosurgery** 1981 Jul;9(1):40-7

Immunoreactive dynorphin in mammalian spinal cord and dorsal root ganglia. Botticelli LJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7783-6

Accumulation of 14C-5,6-dihydroxytryptamine-melanin in intrathecal and subependymal phagocytes of the rat CNS and possible routes of their elimination from brain. Baumgarten HG, et al. **Prog Clin Biol Res** 1981;59A:187-96

[Synthesis of serotonin at the spinal level in the rat: modifications induced by nociceptive somatic stimulation associated or not with administration of morphine] Weil-Fugazza J, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):89-91 (Eng. Abstr.) **(Fre)**

[Ion channel coupling with neutral amino acid receptors in the endings of rat spinal afferents] Komissarov IV, et al. **Dokl Akad Nauk SSSR** 1981;261(6):1489-92 **(Rus)**

[Change in the fatty acid composition of the brain and spinal cord lipids in white rats during supercooling and adaptation] Serebrennikova EG, et al. **Vopr Med Khim** 1981 Sep-Oct;27(5):640-3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Uncoupled relationship between demyelination and primary infection of myelinating cells in Theiler's virus encephalomyelitis. Dal Canto MC. **Infect Immun** 1982 Mar; 35(3):1133-8

Entry of rabies virus into the peripheral nerves of mice. Watson HD, et al. **J Gen Virol** 1981 Oct;56(Pt 2):372-82

Selective localization of wild type and mutant mouse hepatitis virus (JHM strain) antigens in CNS tissue by fluorescence, light and electron microscopy. Knobler RL, et al. **J Neuroimmunol** 1981 Mar;1(1):81-92

Virological studies in amyotrophic lateral sclerosis. Kascsak RJ, et al. **Muscle Nerve** 1982 Feb;5(2):93-101

PATHOLOGY

Giant-cell glioblastoma of the thoracic cord. Grisold W, et al. **Acta Neurochir (Wien)** 1981;58(1-2):121-6

Autonomic neurons of the sacral spinal cord in amyotrophic lateral sclerosis, anterior poliomyelitis and 'neuronal intranuclear hyaline inclusion disease': distribution of sacral autonomic neurons. Sung JH. **Acta Neuropathol (Berl)** 1982; 56(3):233-7

Ultrastructural immunohistochemical localization of virus in acute and chronic demyelinating Theiler's virus infection. Dal Canto MC, et al. **Am J Pathol** 1982 Jan;106(1):20-9

Multiple sclerosis: capping of surface immunoglobulin G on macrophages engaged in myelin breakdown. Prineas JW, et al. **Ann Neurol** 1981 Aug;10(2):149-58

Cranial computerized tomography in spinocerebellar atrophies. Claus D, et al. **Ann NY Acad Sci** 1981;374:831-8

Regular involvement of Clarke's nucleus in sporadic amyotrophic lateral sclerosis. Averback P, et al. **Arch Neurol** 1982 Mar;39(3):155-6

Primary lateral sclerosis: a case report. Beal MF, et al. **Arch Neurol** 1981 Oct;38(10):630-3

Pathogenesis of rabies in dogs inoculated with an Ethiopian rabies virus strain. Immunofluorescence, histologic and ultrastructural studies of the central nervous system. Fekadu M, et al. **Arch Virol** 1982;71(2):109-26

Resistance of quaking mouse CNS to triethyl tin edema. Nagara H, et al. **Brain Res** 1981 Sep 28;221(2):441-5

Porcine focal symmetrical poliomyelomalacia. Wilson TM, et al. **Can J Comp Med** 1982 Apr;46(2):218-20

Abnormal proximal axons of Clarke's neurons in sporadic motor neuron disease. Averback P, et al. **Can J Neurol Sci** 1981 May;8(2):173-5

Progressive bulbar paralysis of childhood (Fazio-Londe disease) with deafness. Case report with clinicopathologic correlation. Rosemberg S, et al. **Eur Neurol** 1982;21(2):84-9

Neurological sequelae in mycosis fungoides. Report of a case. van Erp MG, et al. **Eur Neurol** 1981;20(5):388-93

Ischaemic changes in the dorsal nucleus (Clarke's column) after ligation of the aorta. Marossy A, et al. **Folia Morphol (Praha)** 1981;29(4):330-2

Experimental scoliosis in primates: a neurological cause. Pincott JR, et al. **J Bone Joint Surg [Br]** 1982;64(4):503-7

Stimulus-sensitive spinal myoclonus. Davis SM, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):884-8

An ultrastructural examination of dorsal root input to the sacral secondary visceral gray. Nolan MF, et al. **J Neurol Sci** 1981 Nov-Dec;52(2-3):359-65

Spinal cord and optic nerve demyelination in experimental herpes simplex virus type 2 infection. Martin JR. **J Neuropathol Exp Neurol** 1982 May;41(3):253-66

Aberrant peripheral nerves and neuromas in normal and injured spinal cords. Sung JH, et al. **J Neuropathol Exp Neurol** 1981 Sep;40(5):551-65

Delayed myelopathy secondary to retained intraspinal metallic fragment. Case report. Jones FD, et al. **J Neurosurg** 1981 Dec;55(6):979-82

Acute demyelination in mice inoculated intraspinally with mouse hepatitis virus, JHM strain. Takahashi K, et al. **Jpn J Exp Med** 1981 Dec;51(6):323-30

Calcium-induced spongiform and necrotizing myelopathy. Balentine JD, et al. **Lab Invest** 1982 Sep;47(3):286-95

Pathology of motor neurons in accelerated hereditary canine spinal muscular atrophy. Cork LC, et al. **Lab Invest** 1982 Jan;46(1):89-99

Intramedullary telangiectasia causing congenital cervical spinal atrophy [letter] Narbona J, et al. **Muscle Nerve** 1982 Mar;5(3):256

Depletion of substance P-containing axons in substantia gelatinosa of patients with diminished pain sensitivity. Pearson J, et al. **Nature** 1982 Jan 7;295(5844):61-3

Infantile hypoventilation syndrome, neurenteric cyst, and syringobulbia. Chung HD, et al. **Neurology (NY)** 1982 Apr; 32(4):441-4

Immunocytochemical study of P0 glycoprotein, P1 and P2 basic proteins, and myelin-associated glycoprotein (MAG) in lesions of idiopathic polyneuritis. Schober R, et al. **Neuropathol Appl Neurobiol** 1981 Nov-Dec;7(6):421-34

Correlative morphological and biochemical studies in a case of subacute progressive panencephalomyelitis caused by paramyxovirus. Fidziańska A, et al. **Neuropatol Pol** 1981; 19(3):293-305

Quantitative study on degenerated myelinated fibers in the pyramid and spinal cord following lesion in the internal capsule of the rhesus monkey, with special reference to collateral branching in the cervical cord. Terashima T. **Okajimas Folia Anat Jpn** 1981 Jun;58(2):115-35

Finger tapping test as a means to differentiate olivo-ponto-cerebellar atrophy among spinocerebellar degenerations. Kosaka K, et al. **Tohoku J Exp Med** 1982 Feb;136(2):129-34

[Secondary spinal cord atrophy associated with spinal meningioma] Schmidt RC, et al. **ROFO** 1981 Dec; 135(6):757-8 **(Ger)**

[A quantitative study on the intermediolateral cells of the thoracic cord in degenerative diseases of the nervous system (author's transl)] Nakajima R, et al. **Rinsho Shinkeigaku** 1981 Jul;21(7):581-6 (Eng. Abstr.) **(Jpn)**

[Five autopsied cases of chronic diphenylhydantoin intoxication -- with special reference to the distribution of cerebellar degeneration and marked degeneration of nucleus fasciculi dorsalis (author's transl)] Ando S, et al. **Seishin Shinkeigaku Zasshi** 1980;82(7):423-43 (Eng. Abstr.) **(Jpn)**

[Changes in the structure of lamina IX of the lumbar enlargement of the spinal cord in dogs following limb amputation] Kosmarskaia EN, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):40-5 (Eng. Abstr.) **(Rus)**

[Changes in the neurons of the spinal cord and spinal ganglia in hypokinesia (a neuromorphological and histochemical study)] Nasyrov RA, et al. **Arkh Anat Gistol Embriol** 1982 May;82(5):27-32 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of pathomorphologic changes in the spinal cord during prolonged cooling] Avtandilov GG, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):505-7 (Eng. Abstr.) **(Rus)**

[Nerve cell changes in the spinal cord in experimental alcoholic intoxication] Panikarskiĭ VG. **Vrach Delo** 1982 Feb;(2):104-7 **(Rus)**

[Clinical picture and diagnosis of amyotrophic leukospongiosis] Protas II, et al. **Zh Nevropatol Psikhiatr** 1982;82(3):62-6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pentobarbital-anesthetized and decerebrate cats reveal different neurological responses in anesthetic-induced analgesia. Mori K, et al. **Acta Anaesthesiol Scand** 1981 Aug; 25(4):349-54

Activation of the supraspinal pain inhibition system by ketamine hydrochloride. Tomemori N, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):355-9

Effects of peripherally and centrally administered serotonin on primate spinothalamic neurons. Willis WD. **Adv Exp Med Biol** 1981;133:105-23

Sympathetic nerve discharge in chronic spinal cat. Ardell JL, et al. **Am J Physiol** 1982 Sep;243(3):H463-70

Fastigial nucleus stimulation and excitatory spinal sympathetic activity in dog. Dormer KJ, et al. **Am J Physiol** 1982 Jul;243(1):R25-33

Negative and positive feedback of central nervous system temperature in thermoregulation of pigeons. Schmidt I, et al. **Am J Physiol** 1982 Sep;243(3):R363-72

Recovery cycle of the reflex-evoked muscle potential (H reflex): excitability of spinal motor neurons in the healthy dog. Sims MH. **Am J Vet Res** 1982 Jan;43(1):89-93

Transmitters involved in central processing of nociceptive information. Duggan AW. **Anaesth Intensive Care** 1982 May;10(2):133-8

Dorsal column stimulation in man: facilitation of primary afferent depolarization. Shimoji K, et al. **Anesth Analg (Cleve)** 1982 May;61(5):410–3

Dependence of the Achilles tendon reflex on the excitability of spinal reflex pathways. Burke D, et al. **Ann Neurol** 1981 Dec;10(6):551–6

The contribution of afferent fiber tracts to the somatosensory evoked potential. Arezzo JC, et al. **Ann NY Acad Sci** 1982; 388:679–82

Responses of vestibulospinal neurons to neck and macular vestibular inputs in the presence or absence of the paleocerebellum. Boyle R, et al. **Ann NY Acad Sci** 1981; 374:373–94

Proceedings of the Third International Meeting on Spinal Cord Stimulation. Houston, Tex, May, 1980. **Appl Neurophysiol** 1981;44(1–3):1–176

Seminar on spinal cord stimulation for the control of pain and other neurological disorders. New York, April 1980. **Appl Neurophysiol** 1981;44(4):181–257

Hypothetical role of long-loop reflex pathways. Delwaide PJ, et al. **Appl Neurophysiol** 1981;44(1–3):171–6

Characteristics of spinal cord–evoked responses in man. Dimitrijevic MR, et al. **Appl Neurophysiol** 1980; 43(3–5):118–27

Propriospinal mechanisms involved in the effects of spinal cord stimulation. Murthy KS. **Appl Neurophysiol** 1981; 44(1–3):22–9

Possible modes of action of extradural electrical stimulation on the spinal cord. Phillips CG. **Appl Neurophysiol** 1981; 44(1–3):16–21

Indirect spinal cord stimulation. Some engineering viewpoints. Vodovnik L. **Appl Neurophysiol** 1981; 44(1–3):97–113

Depression of reflex vagal bradycardia by a central action of phentolamine in the spinal cat. Tadepalli AS, et al. **Arch Int Pharmacodyn Ther** 1982 May;257(1):77–86

Axillary F-loop latency of ulnar nerve in normal young adults. Hong CZ, et al. **Arch Phys Med Rehabil** 1981 Nov; 62(11):565–9

Contractile properties and ultrastructure of extensor digitorum longus and soleus muscles in spinal cord transected rats. Davey DF, et al. **Aust J Exp Biol Med Sci** 1981 Aug;59(4):393–404

Effect of nitrous oxide alone or its combination with fentanyl on spinal reflexes in cats. Sugai N, et al. **Br J Anaesth** 1982 May;54(5):567–70

Locomotor control in macaque monkeys. Eidelberg E, et al. **Brain** 1981 Dec;104(Pt 4):647–63

Synaptic and non-synaptic components of the dorsal horn potential in isolated hamster spinal cord. Bagust J, et al. **Brain Res** 1982 Feb 4;233(1):186–94

Miniature synaptic potentials absent from motoneurons of intact spinal cord. Blight AR, et al. **Brain Res** 1982 Apr 22;238(1):228–32

Sexually dimorphic motor nucleus in the rat lumbar spinal cord: response to adult hormone manipulation, absence in androgen-insensitive rats. Breedlove SM, et al. **Brain Res** 1981 Nov 30;225(2):297–307

Masculinization of the female rat spinal cord following a single neonatal injection of testosterone propionate but not estradiol benzoate. Breedlove SM, et al. **Brain Res** 1982 Apr 8;237(1):173–81

Use of sucrose gap for recording postsynaptic population potentials evoked by single interneurones in spinal motoneurones. Brink E, et al. **Brain Res** 1981 Oct 26; 223(1):165–9

Supraspinal and segmental input to lumbar epaxial motoneurons in the rat. Brink EE, et al. **Brain Res** 1981 Dec 7;226(1–2):43–60

Effect of iontophoretically applied 5-hydroxytryptamine on the excitability of single primary afferent C- and A-fibers in the cat spinal cord. Carstens E, et al. **Brain Res** 1981 Sep 7;220(1):151–8

Noxious intensities of visceral stimulation are required to activate viscerosomatic multireceptive neurons in the thoracic spinal cord of the cat. Cervero F. **Brain Res** 1982 May 27;240(2):350–2

Baroreceptor inhibition of sympathetic activity at a spinal site. Coote JH, et al. **Brain Res** 1981 Sep 7;220(1):81–93

Selective innervation of target regions within fetal mouse spinal cord and medulla explants by isolated dorsal root ganglia in organotypic co-cultures. Crain SM, et al. **Brain Res** 1981 Oct;254(3):341–62

Spinal and medullary dorsal cell axons in the trigeminal nerve in lampreys. Finger TE, et al. **Brain Res** 1982 May 27; 240(2):331–3

The contralateral input to the dorsal horn of the spinal cord in the decerebrate spinal rat. Fitzgerald M. **Brain Res** 1982 Mar 25;236(2):275–87

Some characteristics of sympathetic preganglionic neurones in the rat. Gilbey MP, et al. **Brain Res** 1982 Jun 3; 241(1):43–8

Lack of sprouting and its presence after lesions of the cat spinal cord. Goldberger ME, et al. **Brain Res** 1982 Jun 10;241(2):227–39

Opiate antagonism of glycine-evoked membrane polarizations in cultured mouse spinal cord neurons. Gruol DL, et al. **Brain Res** 1981 Nov 2;223(2):355–65

The presynaptic effects of valproic acid in the isolated frog spinal cord. Hackman JC, et al. **Brain Res** 1981 Sep 14; 220(2):269–85

Calcium-dependent action potentials in mouse spinal cord neurons in cell culture. Heyer EJ, et al. **Brain Res** 1981 Sep 14;220(2):408–15

Enhancement of footshock-induced analgesia by spinal 5,7-dihydroxytryptamine lesions. Hutson PH, et al. **Brain Res** 1982 Apr 15;237(2):367–72

Labelling of cervical and thoracic spinal neurones following injection of horseradish peroxidase in the leg muscles of rats. Janjua MZ, et al. **Brain Res** 1981 Nov 2;223(2):386–90

Failure of spinal cord serotonin depletion to alter analgesia elicited from the periaqueductal gray. Johannessen JN, et al. **Brain Res** 1982 Apr 15;237(2):373–86

Growth regulator from spinal cord: produced in cultures of glial cells. **Kagen LJ, et al. Brain Res** 1981 Oct; 254(3):397–409

The effects of hyperthermia on fast axoplasmic transport in rat sensory fibers. Kim JH, et al. **Brain Res** 1982 Apr 8; 237(1):215–21

The effects of noxious heat on responses of spinocervical units to low intensity cutaneous stimuli. King GW, et al. **Brain Res** 1981 Oct 5;222(1):144–9

Intra-axonal recordings in rat dorsal column axons: membrane hyperpolarization and decreased excitability precede the primary afferent depolarization. Kocsis JD, et al. **Brain Res** 1982 Apr 22;238(1):222–7

L-Aspartic acid induces a region of negative slope conductance in the current-voltage relationship of cultured spinal cord neurons. MacDonald JF, et al. **Brain Res** 1982 Apr 8;237(1):248–53

Efferent projections of the A1 catecholamine cell group in the rat: an autoradiographic study. McKellar S, et al. **Brain Res** 1982 Jun 3;241(1):11–29

Neonatal rat spinal cord slice preparation: postsynaptic effects of neuropeptides on dorsal horn neurons. Miletić V, et al. **Brain Res** 1981 Oct;254(3):432–8

The responses of neurones of the superficial dorsal horn to ionophoretically applied glutamate ion. Millar J, et al. **Brain Res** 1982 Jan 14;231(2):267–77

Dendrite spikes recorded extracellularly from dorsal horn neurones. Millar J, et al. **Brain Res** 1982 Jul 15; 243(2):253–62

Responses of primate spinothalamic neurons located in the sacral intermediomedial gray (Stilling's nucleus) to proprioceptive input from the tail. Milne RJ, et al. **Brain Res** 1982 Feb 25;234(2):227–36

The cutaneous sensitivity of units in laminae VII and VIII of the cat. Molinari HH. **Brain Res** 1982 Feb 18; 234(1):165–9

Postsynaptic control of lumbar motoneuron excitability during active sleep in the chronic cat. Morales F, et al. **Brain Res** 1981 Nov 30;225(2):279–95

The actions of neuropeptides on dorsal horn neurons in the rat spinal cord slice preparation: an intracellular study. Murase K, et al. **Brain Res** 1982 Feb 18;234(1):170–6

Preferential growth of neurites from isolated fetal mouse dorsal root ganglia in relation to specific regions of co-cultured spinal cord explants. Peterson ER, et al. **Brain Res** 1981 Oct;254(3):363–82

Reversal in cutaneous of Ib pathways during human voluntary contraction. Pierrot-Deseilligny E, et al. **Brain Res** 1982 Feb 11;233(2):400–3

S-Glutamate: its interactions with spinal neurons. Puil E. **Brain Res** 1981 Dec;228(3):229–322 (400 ref.)

Peripheral nerve autografts to the rat spinal cord: studies with axonal tracing methods. Richardson PM, et al. **Brain Res** 1982 Apr 8;237(1):147–62

Specific neuritic pathways and arborizations formed by fetal mouse dorsal root ganglion cells within organized spinal cord explants in culture: a peroxidase-labeling study. Smalheiser NR, et al. **Brain Res** 1981 Oct;254(3):383–95

Effects of serum, tissue extract, conditioned medium, and culture substrata on neurite appearance from spinal cord explants of chick embryo. Tanaka H, et al. **Brain Res** 1982 Jul;256(3):303–12

Survival and neurite growth of chick embryo spinal cord cells in serum-free culture. Tanaka H, et al. **Brain Res** 1982 Jul;256(3):313–21

Spinal cord tracts mediating voluntary movement of hindlimb in dog. Tunturi AR. **Brain Res** 1982 May 27;240(2):338–40

Prolonged depression of pelvic ganglion transmission -- a peripheral manifestation of spinal cord transection. Twiddy DA, et al. **Brain Res** 1982 Jan 7;231(1):235–9

Spinal afferents for peripheral osmoreceptors in the rat. Vallet PG, et al. **Brain Res** 1982 May 6;239(1):271–4

Intracellular recordings from embryonic chick motoneurones in the isolated perfused spinal cord. Velumian AA. **Brain Res** 1981 Dec 21;229(2):502–6

Identification and somatotopic organization of nuclei projecting via the dorsolateral funiculus in rats: a retrograde tracing study using HRP slow-release gels. Watkins LR, et al. **Brain Res** 1981 Nov 2;223(2):237–55

Chronic peripheral nerve section diminishes the primary afferent A-fibre mediated inhibition of rat dorsal horn neurones. Woolf CJ, et al. **Brain Res** 1982 Jun 17; 242(1):77–85

Effects of vestibulospinal lesions upon locomotor function in cats. Yu J, et al. **Brain Res** 1981 Sep 7;220(1):179–83

Somatosensory unit input to the spinal cord during normal walking. Loeb GE. **Can J Physiol Pharmacol** 1981 Jul; 59(7):627–35

2-amino-7-phosphonoheptanoic acid as an amino acid antagonist. McLennan H. **Can J Physiol Pharmacol** 1982 Jan;60(1):91–4

Morphology of regenerated spinal cord in Sternarchus albifrons. Anderson MJ, et al. **Cell Tissue Res** 1981; 219(1):1–8

Neural regulation of respiration. Mitchell RA. **Clin Chest Med** 1980 Jan;1(1):3–12 (63 ref.)

Functional roles of monoaminergic pathways to sympathetic preganglionic neurons. Franz DN, et al. **Clin Exp Hypertens [A]** 1982;4(4–5):543–62

Appearance of contractile activity in muscular dysgenesis (mdg/mdg) mouse myotubes during coculture with normal spinal cord cells. Kocnig J, et al. **Dev Biol** 1982 Jul; 92(1):188–96

Prevertebral (oesophageal) recording of subcortical somatosensory evoked potentials in man: the spinal P13 component and the dual nature of the spinal generators. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):257–75

Classification of somatic evoked potentials through maximum entropy spectral analysis. Lam CF, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):491–500

Comparative studies of somatosensory cerebral and spinal evoked responses with F-wave and H-reflex latencies. Siafakas A, et al. **Electromyogr Clin Neurophysiol** 1982 Jan-Feb;22(1–2):55–64

Dopaminergic effects on tail-flick response in spinal rats. Jensen TS, et al. **Eur J Pharmacol** 1982 Apr 8; 79(1–2):129–33

Substance P, but not TRH, modulates the 5-HT autoreceptor in ventral lumbar spinal cord. Mitchell R, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):119–20

Spinal, trigeminal, and cortical climbing fibre paths to the lateral vermis of the cerebellar anterior lobe in the cat. Andersson G, et al. **Exp Brain Res** 1981;44(1):71–81

The depolarization of feline ventral horn group Ia spinal afferent terminations by GABA. Curtis DR, et al. **Exp Brain Res** 1982;46(2):215–33

Effects of stimulation of frontal cortex, superior colliculus, and neck muscle afferents on interstitiospinal neurons in the cat. Fukushima K, et al. **Exp Brain Res** 1981; 44(2):143–53

Responses of cat mesencephalic reticulospinal neurons to stimulation of superior colliculus, pericruciate cortex, and neck muscle afferents. Fukushima K, et al. **Exp Brain Res** 1981;44(4):441–4

Effects of natural neck afferent stimulation on vestibulo-spinal neurons in the decerebrate cat. Kasper J, et al. **Exp Brain Res** 1981;44(4):401–8

Time course and properties of late adaptation in spinal motoneurones of the cat. Kernell D, et al. **Exp Brain Res** 1982;46(2):191–6

The action of six antagonists of the excitatory amino acids on neurones of the rat spinal cord. McLennan H, et al. **Exp Brain Res** 1982;45(1–2):151–6

Androgen target cells in spinal cord, spinal ganglia, and glycogen body of chick embryos. Autoradiographic localization. Reid FA, et al. **Exp Brain Res** 1981;44(3):243–8

Organization of climbing fiber input from mechanoreceptors to lobule V vermal cortex of the cat. Robertson LT, et al. **Exp Brain Res** 1982;46(2):281–91

The termination of cutaneous nerves in the dorsal horn of the spinal cord in normal and in skin-rotated frogs. Székely G, et al. **Exp Brain Res** 1982;45(1–2):19–28

Further evidence that sparing of function after spinal cord transection in the neonatal rat is not due to axonal generation or regeneration. Cummings JP, et al. **Exp Neurol** 1981 Nov;74(2):615–20

Absence of functional recovery after spinal hemisections in mice genetically deficient in hemolytic complement. Gilad GM, et al. **Exp Neurol** 1982 Jun;76(3):666–9

Exercise-induced changes of biochemical, histochemical and contractile properties of muscle in cordotomized kittens. Johnson DJ, et al. **Exp Neurol** 1982 May;76(2):414–27

Spinal reflexes and lateral geniculate nucleus activity during sleep: quantitative relationships. Pivik RT, et al. **Exp Neurol** 1982 Jul;77(1):142–62

Development and maintenance of dendrite bundles after cordotomy in excerised and nonexercised cats. Reback PA, et al. **Exp Neurol** 1982 May;76(2):428–40

Fusimotor modulation by spinal and skin temperature changes and its significance in cold shivering. Sato H. **Exp Neurol** 1981 Oct;74(1):21–32

Locomotion in exercised and nonexercised cats cordotomized at two or twelve weeks of age. Smith JL, et al. **Exp Neurol** 1982 May;76(2):393–413

Diencephalic modulation of activities of raphe-spinal neurons in the cat. Tsubokawa T, et al. **Exp Neurol** 1981 Nov; 74(2):561–72

Spinal monoaminergic systems: an aspect of somatic motor function. Commissiong JW. **Fed Proc** 1981 Nov; 40(13):2771–7

Descending monoaminergic systems: functional aspects. Introduction. Commissiong JW. **Fed Proc** 1981 Nov; 40(13):2769–70

Functional aspects of bulbospinal monoaminergic projections in modulating processing of somatosensory information. Yaksh TL, et al. **Fed Proc** 1981 Nov;40(13):2786–94

After ligation of the abdominal aorta degeneration in Clarke's nucleus. Marossy A, et al. **Folia Morphol (Praha)** 1982; 30(1):86–92

Monoaminergic innervation of the caudal neurosecretory system of the brook trout Salvelinus fontinalis in relation

to osmotic stimulation. Audet C, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):189–203

The action of LSD on the isolated frog spinal cord: electrophysiological and ultrastructural data. de Santis A, et al. **Gen Pharmacol** 1982;13(3):255–5

Characteristics of somatosensory evoked potentials recorded over the spinal cord and brain of man. Sherwood AM. **IEEE Trans Biomed Eng** 1981 Jul;28(7):481–7

Central nervous versus total body thermosensitivity of the duck. Simon E, et al. **Int J Biometeorol** 1981 Sep; 25(3):249–56

Inhibition of sensory transmission in the cat lemniscal system during fast movements: a review. Pompeiano O. **Isr J Med Sci** 1982 Jan;18(1):105–18 (54 ref.)

The somato-adrenal medullary reflexes in rats. Araki T, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):161–70

Organization of the sacral parasympathetic reflex pathways to the urinary bladder and large intestine. de Groat WC, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):135–60

Parasympathetic preganglionic neurons in the sacral spinal cord. De Groat WC, et al. **J Auton Nerv Syst** 1982 Jan; 5(1):23–43

Tonic catecholaminergic inhibition of the spinal somato-sympathetic reflexes originating in the ventrolateral medulla oblongata. Dembowsky K, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):277–90

Organization and reflex control of vagal cardiomotor neurons. Geis GS, et al. **J Auton Nerv Syst** 1981 Apr; 3(2–4):437–50

Sympathetic rhythms in spinal cats. Gootman PM, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):379–87

The organization of lumbar preganglionic neurons. Jänig W, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):177–91

Neurophysiological background of central neural cardiovascular-respiratory coordination: basic remarks and experimental approach. Koepchen HP, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):335–68

Ascending spinal pathways mediating somato-cardiovascular reflexes. Kozelka JW, et al. **J Auton Nerv Syst** 1981 Apr; 3(2–4):171–5

Is the central inspiratory activity responsible for pCO2-dependent drive of the sympathetic discharge? Trzebski A, et al. **J Auton Nerv Syst** 1981 Apr; 3(2–4):401–20

The release of endogenous catecholamines in the cat hypothalamus is affected by spinal transection and drugs which change the arterial blood pressure. Dietl H, et al. **J Auton Pharmacol** 1981 Sep;1(4):279–86

A comparison of THC, nantradol, nabilone, and morphine in the chronic spinal dog. Gilbert PE. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):311S–319S

The anatomy and psychopharmacology of chronic pain. Hendler N. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):15–21

Electrophysiological response properties of spinoreticular neurons in the monkey. Haber LH, et al. **J Comp Neurol** 1982 May 1;207(1):75–84

Fixation of spinal reflexes in rats by central and peripheral sensory input. Steinmetz JE, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):548–55

Central and peripheral influences on retention of postural asymmetry in rats. Steinmetz JE, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):4–11

Temporal parameters involved in retention of reflex alterations in spinal rats. Steinmetz JE, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):325–7

Neuroglia and spinal fluids. Somjen GG. **J Exp Biol** 1981 Dec;95:129–33

K+ changes in the extracellular space of the spinal cord and their physiological role. Syková E. **J Exp Biol** 1981 Dec;95:93–109

The nature of the coupling between segmental oscillators of the lamprey spinal generator for locomotion: a mathematical model. Cohen AH, et al. **J Math Biol** 1982; 13(3):345–69

Influence of descending bulbospinal monoamine neurons on axonal transport of acetylcholine and cholinergic enzymes. Bööj S, et al. **J Neural Transm** 1981;52(3):213–25

Regenerative synaptoneogenesis in the Mammalian spinal cord: dynamics of synaptochemical restoration in the Rolando Substance after transganglionic degenerative atrophy. Csillik B, et al. **J Neural Transm** 1981;52(4):303–17

Calcium requirement for fast axonal transport in frog motoneurons. Larivière L, et al. **J Neurochem** 1982 Sep; 39(3):882–6

Synaptic regeneration and glial reactions in the transected spinal cord of the lamprey. Wood MR, et al. **J Neurocytol** 1981 Feb;10(1):57–79

Characteristics of primate spinothalamic tract neurons receiving viscerosomatic convergent inputs in T3–T5 segments. Blair RW, et al. **J Neurophysiol** 1981 Oct; 46(4):797–811

Identification of interneurons with contralateral, caudal axons in the lamprey spinal cord: synaptic interactions and morphology. Buchanan JT. **J Neurophysiol** 1982 May; 47(5):961–75

Activities of identified interneurons, motoneurons, and muscle fibers during fictive swimming in the lamprey and effects of reticulospinal and dorsal cell stimulation. Buchanan JT, et al. **J Neurophysiol** 1982 May;47(5):948–60

Submodality segregation and receptive-field sequences in cuneate, gracile, and external cuneate nuclei of the cat. Dykes RW, et al. **J Neurophysiol** 1982 Mar;47(3):389–416

Spinothalamic tract neurons that project to medial and/or lateral thalamic nuclei: evidence for a physiologically novel population of spinal cord neurons. Giesler GJ Jr, et al. **J Neurophysiol** 1981 Dec;46(6):1285–308

Calcium- and sodium-dependent action potentials of mouse spinal cord and dorsal root ganglion neurons in cell culture. Heyer EJ, et al. **J Neurophysiol** 1982 Apr;47(4):641–55

Maintenance of dorsal horn somatotopic organization and increased high-threshold response after single-root or spared-root deafferentiation in cats. Pubols LM, et al. **J Neurophysiol** 1982 Jan;47(1):103–12

Presynaptic depolarization of terminals of rubrospinal tract fibers in intermediate nucleus of cat spinal cord. Rudomin P, et al. **J Neurophysiol** 1981 Sep;46(3):517–31

Mechanisms involved in presynaptic depolarization of group I and rubrospinal fibers in cat spinal cord. Rudomin P, et al. **J Neurophysiol** 1981 Sep;46(3):532–48

Long loop and spinal reflexes in man during preparation for intended directional hand movements. Bonnet M, et al. **J Neurosci** 1982 Jan;2(1):90–6

Relation between cell size and response characteristics of vestibulospinal neurons to labyrinth and neck inputs. Boyle R, et al. **J Neurosci** 1981 Sep;1(9):1052–66

Enhancement of heart rate responses during conditioning and sensitization following interruption of raphe-spinal projections. Cabot JB, et al. **J Neurosci** 1981 Jul;1(7):760–70

Plasticity in the spinal cord sensory map following peripheral nerve injury in rats. Devor M, et al. **J Neurosci** 1981 Jul; 1(7):679–84

Anatomical and behavioral recovery from the effects of spinal cord transection: dependence on metamorphosis in anuran larvae. Forehand CJ, et al. **J Neurosci** 1982 May; 2(5):654–52

Morphology and synaptic connections of ultrafine primary axons in lamina I of the spinal dorsal horn: candidates for the terminal axonal arbors of primary neurons with unmyelinated (C) axons. Gobel S, et al. **J Neurosci** 1981 Oct;1(10):1163–79

Electrical development in spinal cord cell culture. Jackson MB, et al. **J Neurosci** 1982 Aug;2(8):1052–61

Single channel currents activated by gamma-aminobutyric acid, muscimol, and (–)-pentobarbital in cultured mouse spinal neurons. Jackson MB, et al. **J Neurosci** 1982 Jul; 2(7):889–94

Substance P: ionic basis for depolarizing responses of mouse spinal cord neurons in cell culture. Nowak LM, et al. **J Neurosci** 1982 Aug;2(8):1119–28

A new device for making multiple injections of small volumes of horseradish peroxidase into the spinal cord. Meyers DE, et al. **J Neurosci Methods** 1981 Dec;4(4):343–6

A microdissection method for recording single unit activity from the white matter of the central nervous system. Wei JY. **J Neurosci Methods** 1981 Dec;4(4):431–3

Spinal cord pathways mediating somatosensory evoked potentials. Powers SK, et al. **J Neurosurg** 1982 Oct; 57(4):472–82

Form and function of dorsal horn neurones with axons ascending the dorsal columns in cat. Brown AG, et al. **J Physiol (Lond)** 1981 Dec;321:31–47

Extracellular potassium accumulation in the frog spinal cord induced by stimulation of the skin and ventrolateral columns. Czéh G, et al. **J Physiol (Lond)** 1981 Nov; 320:57–72

Post-tetanic potentiation and facilitation of synaptic potentials evoked in cat spinal motoneurones. Hirst GD, et al. **J Physiol (Lond)** 1981 Dec;321:97–109

The components of synaptic potentials evoked in cat spinal motoneurones by impulses in single group Ia afferents. Jack JJ, et al. **J Physiol (Lond)** 1981 Dec;321:65–96

Modifications to synaptic transmission at group Ia synapses on cat spinal motoneurones by 4-aminopyridine. Jack JJ, et al. **J Physiol (Lond)** 1981 Dec;321:111–26

Regeneration and plasticity of central serotoninergic neurons: a review. Björklund A, et al. **J Physiol (Paris)** 1981; 77(2–3):247–55

Ultrastructure of descending serotoninergic axonal endings in layers I and II of the dorsal horn. Ruda M, et al. **J Physiol (Paris)** 1981;77(2–3):205–9

Release of norepinephrine and serotonin in cat spinal cord: direct in vivo evidence for the activation of descending monoamine pathways by somatic stimulation. Yaksh TL, et al. **J Physiol (Paris)** 1981;77(2–3):483–7

Stress-strain measurement of the spinal cord of puppies and their neurological evaluation. Chang GL, et al. **J Trauma** 1981 Sep;21(9):807–10

Louisa Burns Memorial Lecture 1980: The spinal cord — active processor not passive transmitter. Patterson MM. **JAOA** 1980 Nov;80(3):210–6

Scope of a technique for electrical stimulation of human brain, spinal cord, and muscle. Merton PA, et al. **Lancet** 1982 Sep 11;2(8298):597–600

Neuropeptides in sensory neurons. Buck SH, et al. **Life Sci** 1982 May 31;30(22):1857–66 (82 ref.)

Potentials evoked in the intermediolateral column by hypothalamic stimulation – suppression by delta 9-tetrahydrocannabinol. Schmeling WT, et al. **Life Sci** 1981 Aug 17;29(7):673–80

Localization and modulation of enkephalins, endorphins and opiate receptors in the CNS and the pituitary gland. Simantov R. **Mod Probl Pharmacopsychiatry** 1981;17:38–48

Electrical stimulation of hindlimb increases neuronal cell death in chick embryo. Oppenheim RW, et al. **Nature** 1982 Jan 7;295(5844):57–9

Somatotopic maps are disorganized in adult rodents treated neonatally with capsaicin. Wall PD, et al. **Nature** 1982 Feb 25;295(5851):691–3

Intrathecal substance P depresses spinal motor and sensory responses to stimulation of nociceptive afferents—antagonism by naloxone. Doi T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 May; 319(2):154–60

Influence of hypo- and hyperthyroidism on plasma catecholamines in pithed rats. Nagel-Hiemke M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):159–64

Effects of spinal transection on presynaptic markers for glutamatergic neurons in the rat. Singer HS, et al. **Neurochem Res** 1981 May;6(5):485–96

gamma-Aminobutyric acid system in isolated dorsal and ventral horn neurons from bovine spinal cord. Wakabayashi M, et al. **Neurochem Res** 1981 Jun;6(6):659–71

The dual-system hypothesis of pain perception. Gillman MA, et al. **Neurol Res** 1981;3(4):317–27

A quantitative model of the Hoffmann reflex. Hoehler FK, et al. **Neurol Res** 1981;3(3):251–66

Repetitive electrical stimulation of peripheral nerve and spinal cord activity. Ignelzi RJ, et al. **Neurol Res** 1981; 3(2):195–209

Tolerance and dependence of dorsal horn neurones of the cat: the role of the opiate receptors of the substantia gelatinosa. Johnson SM, et al. **Neuropharmacology** 1981 Nov;20(11):1033–8

Adrenergic receptors in rat spinal cord. Jones DJ, et al. **Neuropharmacology** 1982 Feb;21(2):191–5

Substance P: evidence for spinal mediation of some behavioural effects. Rackham A, et al. **Neuropharmacology** 1981 Aug;20(8):753–5

Central program of hind limb interaction during locomotion in cats. Baev KV, et al. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):421–7

Bilateral influences from the motor cortex on lumbar ventral horn interneurons. Blagodatova ET, et al. **Neurosci Behav Physiol** 1981 Sep–Oct;11(5):488–94

Restoration of instrumental movements in cats after division of spinal afferent pathways. Bragin AM, et al. **Neurosci Behav Physiol** 1981 May–Jun;11(3):273–9

Neuritic growth maintained near the lesion site long after spinal cord transection in the newborn rat. Bernstein DR, et al. **Neurosci Lett** 1981 Oct;26(1):55–60

Serotonergic projections to the spinal cord from the midbrain in the rat: an immunocytochemical and retrograde transport study. Bowker RM, et al. **Neurosci Lett** 1981 Jul 17; 24(3):221–6

Doubly projecting neurons of the dorsal column nuclei. Bromberg MB, et al. **Neurosci Lett** 1981 Sep 25; 25(3):215–20

Descending projections to the cervical spinal cord in the developing kitten. Bruce IC, et al. **Neurosci Lett** 1981 Sep 25;25(3):227–31

Nucleus laminaris of the torus semicircularis: projection to spinal cord in reptiles. Butler AB, et al. **Neurosci Lett** 1981 Sep 25;25(3):221–5

Ultrastructural evidence in mice that transganglionically transported horseradish peroxidase–wheat germ agglutinin conjugate reaches the intraspinal terminations of sensory neurons. Carson KA, et al. **Neurosci Lett** 1982 Apr 26; 29(3):201–6

Motor responses evoked by microstimulation of cerebellar interpositus nucleus in cats submitted to dorsal rhizotomy. Giuffrida R, et al. **Neurosci Lett** 1982 Jun 30;30(3):241–4

Descending inhibitions from the nucleus raphe magnus and adjacent reticular formation to the dorsal horn of the rat are not antagonized by bicuculline or strychnine. Johnston SE, et al. **Neurosci Lett** 1981 Oct;26(1):43–7

Decrease of a peptide in the cat spinal cord after upper cervical transection. Kanazawa I, et al. **Neurosci Lett** 1981 Oct 23;26(2):113–7

Effects of optical isomers of ketamine on excitation of cat and rat spinal neurones by amino acids and acetylcholine. Lodge D, et al. **Neurosci Lett** 1982 Apr 26;29(3):281–6

Adrenaline neurons in the rostral ventrolateral medulla innervate thoracic spinal cord: a combined immunocytochemical and retrograde transport demonstration. Ross CA, et al. **Neurosci Lett** 1981 Sep 25; 25(3):257–62

Cerebellar cortical afferents from the dorsal column nuclei in sheep, demonstrated with retrograde transport of horseradish peroxidase. Saigal RP, et al. **Neurosci Lett** 1982 Mar 17;29(1):7–12

Evaluation of (D-Pro2, D-Trp7,9)-substance P as an antagonist of substance P responses in the rat central nervous system. Salt TE, et al. **Neurosci Lett** 1982 Jun 30; 30(3):291–5

Actions of vasopressin, gastrin releasing peptide and other peptides on neurons on newborn rat spinal cord in vitro. Suzue T, et al. **Neurosci Lett** 1981 Oct 23;26(2):137–42

Chronic blockade of sciatic nerve transmission by tetrodotoxin does not produce central changes in the dorsal horn of the spinal cord of the rat. Wall PD, et al. **Neurosci Lett** 1982 Jun 30;30(3):315–20

cGMP accumulation by spinal cord neurons during the period of neuromuscular junction formation. Weill CL. **Neurosci Lett** 1982 Jun 30;30(3):263–8

Origins of spinal noradrenergic pathways demonstrated by

retrograde transport of antibody to dopamine-beta-hydroxylase. Westlund KN, et al. **Neurosci Lett** 1981 Sep 25;25(3):243–9

Do opioid peptides mediate a presynaptic control of C-fibre transmission in the rat spinal cord? Woolf CJ, et al. **Neurosci Lett** 1982 Mar 17;29(1):67–72

The effects of mossy fiber cerebral and spinal inputs on cerebellar Purkinje cells. Arshavsky YI, et al. **Neuroscience** 1981;6(10):1985–93

A study of the cutaneous afferent input to substantia gelatinosa. Fitzgerald M. **Neuroscience** 1981;6(11):2229–37

Electrophysiological demonstration of a dentato-rubrospinal projection in cats. Hames EG, et al. **Neuroscience** 1981; 6(12):2603–12

The dorsal column nuclei of the frog. Urbán L, et al. **Neuroscience** 1982 May;7(5):1187–96

The response of rat spinal cord cells to unmyelinated afferents after peripheral nerve section and after changes in substance P levels. Wall PD, et al. **Neuroscience** 1981; 6(11):2205–15

Recording of root potentials from the spinal cord of the frog. Minowa K, et al. **Osaka City Med J** 1980;26(2):139–44

Total body thermosensitivity and its spinal and supraspinal fractions in the conscious goose. Helfmann W, et al. **Pflugers Arch** 1981 Jul;391(1):60–7

The ontogeny of spinal cord monoamines and the post-decapitation reflex. Pappas BA, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):615–9

Intracellular recording from spinal cord motoneurons in the chronic cat. Morales FR, et al. **Physiol Behav** 1981 Aug; 27(2):355–62

Electrophysiological characteristics of reticulospinal neurones in relation to the conduction velocity of their axons. Strauss P, et al. **Physiol Bohemoslov** 1982; 31(2):101–12

Similarities in development of substance P and somatostatin in peripheral sensory neurons: effects of capsaicin and nerve growth factor. Kessler JA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4644–7

Diazepam and (−)-pentobarbital: fluctuation analysis reveals different mechanisms for potentiation of gamma-aminobutyric acid responses in cultured central neurons. Study RE, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7180–4

Remyelination in the CNS. Blakemore WF. **Prog Clin Biol Res** 1981;59A:105–9

Amino acid and monoamine inhibition of sacral parasympathetic preganglionic neurons. Thomson TD, et al. **Prog Clin Biol Res** 1981;68:181–9

The spinocervical tract. Brown AG. **Prog Neurobiol** 1981; 17(1–2):59–96

Consequences of spinal cord lesions upon motor function, with special reference to locomotor activity. Eidelberg E. **Prog Neurobiol** 1981;17(3):185–202 (111 ref.)

The dorsal horn of the spinal cord. Brown AG. **Q J Exp Physiol** 1982 Apr;67(2):193–212

Influence of monoaminergic nuclei in lower medulla and their neurotransmitters on the activity of nociceptive units in spinal cord. Xie YK, et al. **Sci Sin** 1981 Oct;24(10):1455–64

Force-sensitive interneurons in the spinal cord of the cat. Cleland CL, et al. **Science** 1982 Aug 13;217(4560):652–5

Axonal elongation into peripheral nervous system 'bridges' after central nervous system injury in adult rats. David S, et al. **Science** 1981 Nov 20;214(4523):931–3

Spinal motoneuron recruitment in man: rank deordering with direction but not with speed of voluntary movement. Desnedt HE, et al. **Science** 1981 Nov 20;214(4523):933–6

Sensory and motor functions of spinal cord substance P. Piercey MF, et al. **Science** 1981 Dec 18;214(4527):1361–3

Opiates and pain pathways: demonstration of enkephalin synapses on dorsal horn projection neurons. Ruda MA. **Science** 1982 Mar 19;215(4539):1523–5

Effects of fusaric (5-butylpicolinic) acid on the monosynaptic reflex neural activity of cat spinal cord. Watanabe Y, et al. **Tokai J Exp Clin Med** 1981 Oct;6(4):443–51

Regional topography of spinal cord neurons innervating pelvic floor muscles and bladder neck in the dog: a study by combined horseradish peroxidase histochemistry and autoradiography. Thüroff JW, et al. **Urol Int** 1982; 37(2):110–20

[Effect of a return of motor neurons to spontaneous activity on the multi-innervation of muscular fibers induced in chick embryo by chronic slow-rhythm spinal cord stimulation] Renaud D, et al. **C R Seances Acad Sci [III]** 1981 Dec 14;293(14):751–3 (Eng. Abstr.) **(Fre)**

[Involvement of serotoninergic systems in analgesia induced by electrical stimulation of brain stem areas (author's transl)] Oliveras JL, et al. **J Physiol (Paris)** 1981; 77(2–3):473–82 (101 ref.) (Eng. Abstr.) **(Fre)**

[Brachial plexus, spinal, brainstem and cortical somatosensory evoked potentials (SEP) following median nerve stimulation (author's transl)] Jörg J. **Nervenarzt** 1982 Jun; 53(6):333–43 **(Ger)**

[The electrospinogram in the rabbit: normative data and acute lesions] Greco F, et al. **Arch Putti Chir Organi Mov** 1981; 31:165–71 (Eng. Abstr.) **(Ita)**

[Influence of the spinal cord on the cerebral cortex nystagmogenic area] Tolu E, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1267–73 (Eng. Abstr.) **(Ita)**

[Effect of visceral sensation on the dorsal horn unit activity in cat spinal cord. (2) Effects of changes of intravesical pressure of gall bladder on the unit activity and modification of the activity with thiamylal sodium under the influence of intravesical pressure (author's transl)] Sato I, et al. **Masui** 1981 Nov;30(11):1162–7 (Eng. Abstr.) **(Jpn)**

[Modulation of raphe-spinal neurons by supraspinal sensory system. Periaqueductal gray and thalamic relay nucleus (author's transl)] Yamamoto T, et al. **Neurol Med Chir (Tokyo)** 1982 Mar;22(3):201–10 (Eng. Abstr.) **(Jpn)**

[Clinical studies on the segmental and conductive spinal evoked potentials (author's transl)] Kotani H. **Nippon Geka Hokan** 1981 May;50(3):426–44 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies of the evoked electrospinogram for monitoring spinal cord function (author's transl)] Yasukawa K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1661–77 (Eng. Abstr.) **(Jpn)**

[Distribution of intracraniospinal pressures (author's transl)] Furuse M, et al. **No To Shinkei** 1981 Sep;33(9):959–68 (63 ref.) **(Jpn)**

[Influence of periaqueductal gray matter and posterior hypothalamic area on neuronal activity of the spinal dorsal horn (author's transl)] Watanabe E, et al. **No To Shinkei** 1981 Oct;33(10):1031–6 (Eng. Abstr.) **(Jpn)**

[Dualist nature of cutaneous pain. Review of the literature] Pimentel-Souza F. **Arq Neuropsiquiatr** 1981 Sep; 39(3):336–9 (Eng. Abstr.) **(Por)**

[Postural asymmetry induced by enkephalin analogs] Vartanian GA, et al. **Biull Eksp Biol Med** 1982 Mar; 93(3):50–2 **(Rus)**

[Feedback inhibition in the motor neurons of the avian spinal cord] Velumian AA. **Dokl Akad Nauk SSSR** 1982; 263(6):1500–2 **(Rus)**

[Effect of narcotic analgesics of nociceptive transmission in the spinal cord] Kasparov SA. **Farmakol Toksikol** 1982 Mar-Apr;45(2):30–5 (Eng. Abstr.) **(Rus)**

[Effect of phenamine and sydnocarb on bioelectrical activity in the ventrolateral columns of the spinal cord] Novikov NN. **Farmakol Toksikol** 1982 Mar-Apr;45(2):26–30 (Eng. Abstr.) **(Rus)**

[Monosynaptic spinal reflexes following thyroidectomy or aurantin administration to animals with transected sciatic nerves] Mantulo PM, et al. **Fiziol Zh** 1982 Mar-Apr; 28(2):145–9 (Eng. Abstr.) **(Rus)**

[Effect of removal of the cortex from one hemisphere on neuronal structures of the spinal cord after partial deafferentation] Drozdova VN. **Fiziol Zh SSSR** 1982 Mar; 68(3):311–8 (Eng. Abstr.) **(Rus)**

[Excitability of spinal cord motor neurons and effect of stimulating peritoneal receptors] Eremeev AM, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1167–74 (Eng. Abstr.) **(Rus)**

[Dynamics of monosynaptic response potentiation after nerve section at different distances from the spinal cord] Makii EA, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1791–7 (Eng. Abstr.) **(Rus)**

[Endogenous rhythm of the lymphatic center of amphibia during intense artificial synaptic bombardment] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1091–5 **(Rus)**

[Effect of acetylcholine and acetylcholinesterase inhibitors on rhythmic activity of amphibian lymphatic center motoneurons] Serbeniuk TsV, et al. **Fiziol Zh SSSR** 1981 Sep;67(9):1357–63 (Eng. Abstr.) **(Rus)**

[Synaptic effects in the endings of individual primary afferent fibers mono- and polysynaptically connected to spinal motor neurons] Tamarova ZA, et al. **Fiziol Zh SSSR** 1981 Oct;67(10):1511–20 (Eng. Abstr.) **(Rus)**

[Postactivation changes in the ultrastructure of motor neurons] Zamoskovskiĭ EM, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):199–205 (Eng. Abstr.) **(Rus)**

[Functional state of the human spinal cord segmental apparatus during local work after a brief rest] Kuchma VR. **Gig Tr Prof Zabol** 1981;(12):35–9 (Eng. Abstr.) **(Rus)**

[Effect of local cooling of the spinal cord on motor neuron and interneuron activity during a fictive scratching reflex] Arshavskoĭ IuI, et al. **Neirofiziologiia** 1981;13(4):428–30 (Eng. Abstr.) **(Rus)**

[Retuning of segmental responses to peripheral stimulation during fictive locomotion in cats] Baev KV. **Neirofiziologiia** 1981;13(3):283–91 (Eng. Abstr.) **(Rus)**

[Routes of transmission of sympatho-activating stimulation to the spinal cord] Baklavadzhian OG, et al. **Neirofiziologiia** 1982;14(3):307–14 (Eng. Abstr.) **(Rus)**

[Activity of propriospinal neurons of the ventral horn of the superior lumbar segments during fictive scratch reflexes] Deliagina TG, et al. **Neirofiziologiia** 1981;13(6):647–8 (Eng. Abstr.) **(Rus)**

[Synaptic excitation of reticulospinal neurons during the startle reaction in cats anesthetized with chloralose] Gokin AP, et al. **Neirofiziologiia** 1981;13(6):594–603 (Eng. Abstr.) **(Rus)**

[Characteristics of fibers of the fastigio-spinal tract of cats] Gura EV, et al. **Neirofiziologiia** 1981;13(4):425–7 (Eng. Abstr.) **(Rus)**

[Excitation of motor neurons of the nucleus of the accessory nerve in cats in response to stimulation of Deiters nucleus] Gura EV, et al. **Neirofiziologiia** 1981;13(5):515–9 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the amplitude of the N1-component of the cord dorsum potential during frequency-modulated stimulation of peripheral afferents] Korogod SM, et al. **Neirofiziologiia** 1982;14(2):201–3 (Eng. Abstr.) **(Rus)**

[Analysis of spinal neuron transformation of sinusoidal depolarizing activity into spike activity in the cat] Kostiukov AI, et al. **Neirofiziologiia** 1982;14(1):35–42 (Eng. Abstr.) **(Rus)**

[Transformation of frequency-modulated afferent activity by spinal motor neurons in the cat] Kostiukov AI. **Neirofiziologiia** 1982;14(2):198–200 (Eng. Abstr.) **(Rus)**

[Depolarization of primary forelimb afferents in the cat. Evoked activation of sensory nerves of the neck] Marlinskiĭ VV. **Neirofiziologiia** 1982;14(2):190–7 (Eng. Abstr.) **(Rus)**

[Changes in the postsynaptic responses of spinal cord motor neurons against a background of rhythmic stimulation of the locus coeruleus] Piliavskiĭ AI, et al. **Neirofiziologiia** 1982;14(1):51–9 (Eng. Abstr.) **(Rus)**

[Quantitative characteristics of burst responses of the first central neurons of the cutaneous sensory system] Pivnutel' RV. **Neirofiziologiia** 1981;13(4):434–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypoxic responses of sympathetic preganglionic neurons in the acute spinal cat. Rohlicek CV, et al. **Am J Physiol** 1981 Nov;241(5):H679–83

Spinal somatosensory evoked potentials: maturational and clinical studies. Cracco JB, et al. **Ann NY Acad Sci** 1982; 388:526–37

Epidural nerve stimulation of the lower spinal cord and cauda equina for the relief of intractable pain in failed low back surgery. Blume H, et al. **Appl Neurophysiol** 1982; 45(4–5):456–60

Examination of possible mechanisms by which stimulation of the spinal cord in man relieves pain. Campbell JN. **Appl Neurophysiol** 1981;44(4):181–6

A system for epidural spinal cord stimulation. Dimitrijevic MR, et al. **Appl Neurophysiol** 1982;45(4–5):465–7

Electrical stimulation of the spinal cord in patients with demyelinating and degenerative diseases of the central nervous system. Dooley DM, et al. **Appl Neurophysiol** 1981; 44(4):218–24

Stimulation of the spinal neuraxis by biocompatible electrical current in the human. LeRoy PL. **Appl Neurophysiol** 1981; 44(4):187–93

Electrical stimulation of the spinal cord and peripheral nerves for pain control. A 10-year experience. Long DM, et al. **Appl Neurophysiol** 1981;44(4):207–17

Electrical stimulation of the conus medullaris to control the bladder in the paraplegic patient. A 10-year review. Nashold BS Jr, et al. **Appl Neurophysiol** 1981;44(4):225–32

Spinal epidural electrical stimulation for pain control. Practical details and results. Ray CD. **Appl Neurophysiol** 1981;44(4):194–206

Multi-lead spinal cord stimulation for control of motor disorders. Waltz JM, et al. **Appl Neurophysiol** 1981; 44(4):244–57

Relief of pain and spasticity by posterior column stimulation. A proposed mechanism. Spiegel EA. **Arch Neurol** 1982 Mar;39(3):184–5

Pharmacological evidence for the involvement of serotonergic mechanisms in diffuse noxious inhibitory controls (DNIC). Chitour D, et al. **Brain Res** 1982 Mar 25;236(2):329–37

Hypoalgesia induced by blockade of noradrenergic projections to the raphe magnus: reversal by blockade of noradrenergic projections to the spinal cord. Sagen J, et al. **Brain Res** 1981 Nov 2;223(2):391–6

Reciprocal excitation of muscle antagonists by the primary afferent pathway. Gottlieb GL, et al. **Exp Brain Res** 1982; 46(3):454–6

Changes in monosynaptic reflexes during fixation and transfer of a stable pathological state of the spinal cord evoked by a cortical lesion. Vartanyan GA, et al. **Hum Physiol** 1981 Mar-Apr;7(2):131–6

Heterotopic regeneration of peripheral nerve fibres into the subarachnoid space. Raine CS, et al. **J Neurocytol** 1982 Feb;11(1):109–18

A study of posterior column function in familial spastic paraplegia. Dimitrijevic MR, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):46–9

Sensory nerve conduction in the human spinal cord: epidural recordings made during scoliosis surgery. Jones SJ, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):446–51

Changes in the effectiveness of the blood-brain and blood-spinal cord barriers in experimental allergic encephalomyelitis. Daniel PM, et al. **J Neurol Sci** 1981 Nov-Dec;52(2–3):211–9

Clinical recording of pressure on the spinal cord and cauda equina. Part 2: position changes in pressure on the cauda equina in central lumbar spinal stenosis. Magnaes B. **J Neurosurg** 1982 Jul;57(1):57–63

Clinical recording of pressure on the spinal cord and cauda equina. Part 3: pressure on the cervical spinal cord during endotracheal intubation in patients with cervical spondylosis. Magnaes B. **J Neurosurg** 1982 Jul;57(1):64–6

Clinical recording of pressure on the spinal cord and cauda equina. Part 1: the spinal block infusion test: method and clinical studies. Magnaes B. **J Neurosurg** 1982 Jul;

57(1):48–56
Spinal automatism in cerebral death [letter] Mandel S, et al. **N Engl J Med** 1982 Aug 19;307(8):501
Spinal mechanisms of motor disturbances in torsion dystonia (an electromyographic analysis). Novikova VP. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):353–7
The correlation between the vestibulo–ocular system and the vestibulo–spinal system in Ménière's disease based on categorical principal component analysis. Imoto T, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(1):6–23
Mechanical and neurological response of cat spinal cord under static loading. Hung TK, et al. **Surg Neurol** 1982 Mar;17(3):213–7
[Are bulbo–spinal serotonergic systems involved in the detection of nociceptive messages? (author's transl)] Le Bars D, et al. **J Physiol (Paris)** 1981;77(2–3):463–71 (Eng. Abstr.) **(Fre)**
[Clinical application of the segmental spinal evoked potentials at the cervical spinal cord—an analysis about the patients with cervical osteochondrosis—(author's transl)] Shigematsu A. **Nippon Geka Hokan** 1982 Mar 1; 51(2):276–88 (Eng. Abstr.) **(Jpn)**
[Clinical application of the evoked spinal cord potentials. Part 2: Neurophysiological assessment of the evoked spinal cord potentials in cervical lesion (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1649–59 (Eng. Abstr.) **(Jpn)**
[Clinical application of the evoked spinal cord potentials. Part 1. Neurophysiological assessment of the evoked spinal cord potentials in experimental cord trauma – with reference to cord compression and ischemia (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1631–47 (Eng. Abstr.) **(Jpn)**
[Effect of nociceptive stimulation on signal transmission from low–threshold cutaneous afferents in the somatosensory system] Smolin LN. **Neirofiziologiia** 1981;13(6):621–7 (Eng. Abstr.) **(Rus)**
[Correlation between clinical findings and indices of stimulation electromyography in the acute stage of strokes] Novikov AE. **Zh Nevropatol Psikhiatr** 1981;81(9):1321–6 (Eng. Abstr.) **(Rus)**
[Effect of destruction of the ventrolateral nucleus of the thalamus on the motor analyzer] Starikov AS. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):45–51 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation damage to the rat spinal cord. A radiologic model. Kozubek S, et al. **Acta Radiol [Oncol]** 1981;20(5):329–32
Contrast enhancement of the irradiated spinal cord in children. Pettersson H, et al. **AJNR** 1981 Nov–Dec; 2(6):581–4
Effect of misonidazole on radiation injury to mouse spinal cord. Travis EL, et al. **Br J Cancer** 1982 Mar;45(3):469–73
Turnover of proliferative cells in the spinal cord after X irradiation and its relation to time–dependent repair of radiation damage. Hornsey S, et al. **Br J Radiol** 1981 Dec; 54(648):1081–5
Modification of radiation damage in rat spinal cord by mitotane. Glicksman AS, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1545–7
Primary afferent and spinal sensory neurons that respond to brief pulses of intense infrared laser radiation: a preliminary survey in rats. Devor M, et al. **Exp Neurol** 1982 Jun; 76(3):483–94
The effects of single dose X–irradiation on the guinea–pig spinal cord. Knowles JF. **Int J Radiat Biol** 1981 Sep; 40(3):265–75
An iso–effect table for radiation tolerance of the human spinal cord. Cohen L, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):961–6
Radiation tolerance of the spinal cord previously–damaged by tumor and operation: long term neurological improvement and time–dose–volume relationships after irradiation of intraspinal gliomas. Kopelson G. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):925–9
Radiation myelopathy in the rat: an interpretation of dose effect relationships. Leith JT, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1673–7
Response of rat spinal cord to single and fractionated doses of accelerated heavy ions. Leith JT, et al. **Radiat Res** 1982 Jan;89(1):176–93
The effects of fractionated doses of fast neutrons or photons on the canine cervical spinal cord. Zook BC, et al. **Radiat Res** 1981 Oct;88(1):165–79

RADIOGRAPHY

Metrizamide myelography combined with computed tomography in adrenomyeloneuropathy [letter] Martin JJ, et al. **Arch Neurol** 1982 Aug;39(8):530
Computed tomography (CT) of the cervical spine. Giordano GB, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):143–6
Spinal computerized tomography in neurosurgery. Valentino V, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):249–54
[On the indication of spinal computer tomography (author's transl)] Molsen HP, et al. **Radiol Diagn (Berl)** 1981; 22(3):279–82 (Eng. Abstr.) **(Ger)**
[Correlation between compression characteristics and CAT densitometry values of vertebral bodies (author's transl)] Weh L, et al. **Res Exp Med (Berl)** 1982;180(1):85–94 (Eng. Abstr.) **(Ger)**
[Computed tomography of spine and spinal cord (author's transl)] Machara T. **No Shinkei Geka** 1981 Aug; 9(9):993–1006 (30 ref.) **(Jpn)**

RADIONUCLIDE IMAGING

Posttraumatic lumbar cerebrospinal fluid leak: detection by retrograde in–111–DTPA myeloscintography. Colletti PM, et al. **Clin Nucl Med** 1981 Sep;6(9):403–4

SECRETION

Monoamine release from cat spinal cord by somatic stimuli: an intrinsic modulatory system. Tyce GM, et al. **J Physiol (Lond)** 1981 May;314:513–29
Effect of capsaicin pretreatment on capsaicin–evoked release of immunoreactive somatostatin and substance P from primary sensory neurons. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):38–41
Lack of effect of baclofen on substance P and somatostatin release from the spinal cord in vitro. Sawynok J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):78–81

SURGERY

A comparative study of the treatment of cervical spondylotic myeloradiculopathy. Experience with 50 cases treated by means of extensive laminectomy, foraminotomy, and excision of osteophytes during the past 10 years. Epstein JA, et al. **Acta Neurochir (Wien)** 1982;61(1–3):89–104
Intraoperative somatosensory evoked response monitoring during spinal cord surgery. Worth RM, et al. **Adv Neurol** 1982;32:367–73
Modification of DREZ lesion technique [letter] Nashold BS Jr. **J Neurosurg** 1981 Dec;55(6):1012
Spinal surgery for spasticity (46 cases). Benedetti A, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):195–8
Simple technique for monitoring intraoperative spinal cord function. Hahn JF, et al. **Neurosurgery** 1981 Dec;9(6):692–5
A new technique for intraoperative monitoring of spinal cord function: multichannel recording of spinal cord and subcortical evoked potentials. Lueders H, et al. **Spine** 1982 Mar–Apr;7(2):110–5
The treatment of spasticity by means of dorsal longitudinal myelotomy and lozenge–shaped griseotomy. Padovani R, et al. **Spine** 1982 Mar–Apr;7(2):103–9
Syringoperitoneal shunt for syringomyelia: a preliminary report. Phillips TW, et al. **Surg Neurol** 1981 Dec; 16(6):462–6
[Has the classic chordotomy a future? (author's transl)] Usbeck W, et al. **Zentralbl Chir** 1981;106(6):379–82 (Eng. Abstr.) **(Ger)**
[Effect of combined treatment of mannitol and myelotomy on experimental spinal cord injury (author's transl)] Iwasaki Y, et al. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):917–21 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

The modular construction of the neuropil in the substantia gelatinosa of the cat's spinal cord. A computer aided analysis of Golgi specimens. Réthelyi M. **Acta Morphol Acad Sci Hung** 1981;29(1):1–18
Electron–microscopic identification of Gomori–positive rings in normal spinal cord white matter. Hildebrand C. **Acta Neuropathol (Berl)** 1982;56(1):29–34
Ultracytochemical studies of the blood–meningeal barrier (BMB) in rat spinal cord. Vorbrodt AW, et al. **Acta Neuropathol (Berl)** 1981;55(2):113–23
Ultrastructural morphology of axon terminals of an inhibitory spinal interneurone in the cat. Rastad J. **Brain Res** 1981 Nov 2;223(2):397–401
Noradrenergic axon terminals in the substantia gelatinosa of the rat spinal cord: an electron–microscopic study using glyoxylic acid–potassium permanganate fixation. Satoh K, et al. **Cell Tissue Res** 1982;222(2):359–78
Ependyma and meninges of the spinal cord of the mouse. A light–and electron–microscopic study. Seitz R, et al. **Cell Tissue Res** 1981;220(1):61–72
Ultrastructural localization of neurofilament proteins in aluminum–induced neurofibrillary tangles and rat cerebellum by immunoperoxidase labeling. Dahl D, et al. **Dev Neurosci** 1982;5(1):54–63
Ultrastructural lesions of clioquinol toxicity in beagle dogs. Hoover DM, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):201–7
Separation of neurofilaments from ATPase activity by precipitation with anti–neurofilament antibodies. Glicksman MA, et al. **J Neurochem** 1982 Jun;38(6):1774–6
Architecture and synaptic relationships in the intermediolateral nucleus of the thoracic spinal cord of the rat: HRP labelling, catecholamine histochemistry and electron microscopic studies. Chiba T, et al. **J Neurocytol** 1981 Apr;10(2):315–29
Shaking pups: a disorder of central myelination in the spaniel dog. II. Ultrastructural observations on the white matter of the cervical spinal cord. Griffiths IR, et al. **J Neurocytol** 1981 Oct;10(5):847–58
Quantitative analysis of axodendritic and axosomatic collateral terminals of two feline spinocervical tract cells. Rastad J. **J Neurocytol** 1981 Jun;10(3):475–96
Ultrastructural localization and biochemical features of immunoreactive LEU–enkephalin in monkey dorsal horn. Aronin N, et al. **J Neurosci** 1981 Jun;1(6):561–77
Connexions between hair follicle afferent fibres and spinocervical tract neurones in the cat: the synthesis of receptive fields. Brown AG, et al. **J Physiol (Lond)** 1982 Feb;323:77–91
Ultrastructural histopathology of experimental Haemophilus influenzae type B. Meningitis in the infant rat. I. Leukocytes of the spinal leptomeninges. Merchant RE, et al. **J Submicrosc Cytol** 1981 Oct;13(4):501–14
Radial component of the central myelin in neurologic mutant mice. Nagara H, et al. **Lab Invest** 1982 Jul;47(1):51–9
Chronic model of neurofibrillary changes induced in mature rabbits by metallic aluminum. Wisniewski HM, et al. **Neurobiol Aging** 1982 Spring;3(1):11–22
Calcium–mediated breakdown of glial filaments and neurofilaments in rat optic nerve and spinal cord. Schlaepfer WW, et al. **Neurochem Res** 1981 Mar; 6(3):243–55
Electron microscopic studies on the experimental cervical myelopathy. Yamaguchi Y. **Nippon Geka Hokan** 1980 Nov 1;49(6):713–38
An experimental study of early ultrastructural changes in the injured spinal cord. Shibasaki K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Dec; 55(12):1693–701
Ultrastructural lesions of pyridoxine toxicity in beagle dogs. Hoover DM, et al. **Vet Pathol** 1981 Nov;18(6):769–77

SPINAL CORD COMPRESSION

COMPLICATIONS

Neural arch dysplasia of the sixth cervical vertebra associated with spinal cord compression. Schneidau A, et al. **Br J Radiol** 1982 Feb;55(650):162–5
Combined vascular and neurogenic claudication. Johansson JE, et al. **Spine** 1982 Mar–Apr;7(2):150–8

CONGENITAL

Symptomatic congenital spinal stenosis in a child. Dauser RC, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):61–3

DIAGNOSIS

Contact thermography of spinal root compression syndromes. Pochaczevsky R, et al. **AJNR** 1982 May–Jun;3(3):243–50
Compressive myelopathy in the Schwartz–Jampel syndrome [letter] Smith DL, et al. **Ann Neurol** 1981 Nov;10(5):497
Spinal cord block with a destructive lesion of the dorsal spine in ankylosing spondylitis. Good AE, et al. **Arthritis Rheum** 1982 Feb;25(2):218–22
Spinal cord compression. Uttley D. **Br J Hosp Med** 1981 Dec;26(6):607–10
Spinal metastases. A retrospective survey from a general hospital. Stark RJ, et al. **Brain** 1982 Mar;105(Pt 1):189–213
Rheumatoid cervical myelopathy. Marks JS, et al. **Q J Med** 1981 Summer;50(199):307–19
Importance of early diagnosis and radiotherapy in spinal cord compression by metastatic neoplasms. Jame JM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1178–85

DRUG THERAPY

Successful chemotherapeutic treatment of epidural compression in non–Hodgkin's lymphoma. Oviatt DL, et al. **Cancer** 1982 Jun 15;49(12):2446–8
Oxygenated fluorocarbon perfusion as treatment of acute spinal cord compression injury in dogs. Hansebout RR, et al. **J Neurosurg** 1981 Nov;55(5):725–32
Intravenous etidronate for spinal cord dysfunction due to Paget's disease [letter] Charhon S, et al. **Lancet** 1982 Feb 13;1(8268):391–2

ETIOLOGY

Anterior decompression and fusion for thoracolumbar fractures with neurological deficits. Young B, et al. **Acta Neurochir (Wien)** 1981;57(3–4):287–98
Spinal cord compression by Coccidioides immitis abscess. Delaney P, et al. **Arch Neurol** 1982 Apr;39(4):255–6
Subaxial cervical subluxation and cord compression in psoriatic spondylitis. Fam AG, et al. **Arthritis Rheum** 1982 Jan;25(1):101–6
Spinal cord compression by tophi in a patient with chronic polyarthritis: case report and literature review. Magid SK, et al. **Arthritis Rheum** 1981 Nov;24(11):1431–4
Quadriparesis in tophaceous gout. Sequeira W, et al. **Arthritis Rheum** 1981 Nov;24(11):1428–30
Atlanto–axial dislocation with spinal cord compression in Down syndrome. Shield LK, et al. **Aust Paediatr J** 1981 Jun;17(2):114–6
The results of decompression of cord or cauda equina compression from metastatic extradural tumors. Nather A, et al. **Clin Orthop** 1982 Sep;(169):103–8
Lumbar spinal canal stenosis in osteopoikilosis. Weisz GM. **Clin Orthop** 1982 Jun;(166):89–92
Cervical canal stenosis: a clinico–radiological study. Shukla R, et al. **J Assoc Physicians India** 1981 May;29(5):379–83
Craniovertebral anomalies in Lucknow, U.P. Shukla R, et al. **J Assoc Physicians India** 1981 Aug;29(8):636–40
Paget's disease with quadriparesis (a case report). Wali CM, et al. **J Assoc Physicians India** 1981 Oct;29(10):865–8
Spinal cord dysfunction in Paget's disease of bone. Has

medical treatment a vascular basis? Douglas DL, et al. **J Bone Joint Surg [Br]** 1981;63B(4):495–503
Acute spinal cord compression in Scheuermann's disease. Ryan MD, et al. **J Bone Joint Surg [Br]** 1982;64(4):409–12
Achondroplasia and hypochondroplasia. Clinical variation and spinal stenosis. Wynne-Davies R, et al. **J Bone Joint Surg [Br]** 1981;63B(4):508–15
Spinal cord compression by extradural fat after prolonged corticosteroid therapy. Guegan Y, et al. **J Neurosurg** 1982 Feb;56(2):267–9
Spinal epidural extramedullary hematopoiesis with cord compression in a patient with refractory sideroblastic anemia. Case report. Heffez DS, et al. **J Neurosurg** 1982 Sep;57(3):399–406
Spinal cord compression: comparison of extradural and intramedullary metastases. Grosh W, et al. **J Tenn Med Assoc** 1981 Nov;74(11):821–4
Thyroid carcinoma with spinal cord compression [letter] Shortliffe EH, et al. **JAMA** 1982 Mar 19;247(11):1565–6
Spinal cord compression in thalassaemia [editorial] **Lancet** 1982 Mar 20;1(8273):664–5
Neurologic complications in vertebral paget disease. Reinstein L, et al. **Md State Med J** 1981 Jul;30(7):32–3
Intrathoracic and Intraspinal Chondrosarcoma. Ciappetta P, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):24–6
Symptomatic spinal epidural lipomatosis associated with Cushing's syndrome. Chapman PH, et al. **Neurosurgery** 1981 Jun;8(6):724–7
Extramedullary hematopoiesis causing spinal cord compression. Pile-Spellman J, et al. **Neurosurgery** 1981 Jun; 8(6):728–31
Beta thalassemia. Spinal cord compression. Ahmed F, et al. **NY State J Med** 1981 Sep;81(10):1505–8
Complete recovery of spinal cord compression following parathyroidectomy. Ganesh A, et al. **Postgrad Med J** 1981 Oct;57(672):652–3
Spinal cord compression in diffuse idiopathic skeletal hyperostosis. Alenghat JP, et al. **Radiology** 1982 Jan; 142(1):119–20
Myelopathy due to ossification of the ligamentum flavum of the cervical spine. A report of two cases. Kubota M, et al. **Spine** 1981 Nov-Dec;6(6):553–9
Cervical myelopathy and its relationship to cervical stenosis. Veidlinger OF, et al. **Spine** 1981 Nov-Dec;6(6):550–2
Cervical myelopathy due to dural compression in mucopolysaccharidosis. Kaufman HH, et al. **Surg Neurol** 1982 Jun;17(6):404–10
[Medullary compression in Morquio-Brailsford disease] Strange P, et al. **Ugeskr Laeger** 1981 Mar 30;143(14):888–9 (Eng. Abstr.) **(Dan)**
[Medullary compression symptoms in 2 cancer patients] Jokelainen M. **Duodecim** 1981;97(23-24):1951–2 **(Fin)**
[Tumoral medullary compressions in malignant hemopathy (a 28 cases review (author's transl)] Sichez JP, et al. **Ann Med Interne (Paris)** 1982;133(4):251–5 (Eng. Abstr.) **(Fre)**
[Cervical cord compression in chondrocalcinosis. Deposits of calcium pyrophosphate crystals in the yellow ligament (letter)] Grellier P, et al. **Nouv Presse Med** 1981 Dec 26; 10(47):3852–3 **(Fre)**
[Compressive myelopathy caused by isolated ossification of the posterior longitudinal ligament] Navratil J, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):153–6 **(Fre)**
[Thoracic disk hernia: importance of the ischemic factor in compression of the lumbar dorsal enlargement of the spinal cord] Grizzi LC, et al. **Riv Neurol** 1982 Mar-Apr; 52(2):65–72 **(Ita)**
[Biomechanical sequelae of lumbar intervertebral disk displacement] Krolewski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):117–21 (Eng. Abstr.) **(Pol)**
[Neuroenteric cyst: report of a case] Marchiori PE, et al. **Arq Neuropsiquiatr** 1981 Dec;39(4):478–81 (Eng. Abstr.) **(Por)**
[Spinal cord compression in lymphogranulomatosis] Baisogolov GD, et al. **Med Radiol (Mosk)** 1982 Jun; 27(6):15–8 (Eng. Abstr.) **(Rus)**
[Cervical compression syndrome of brucellar origin. Apropos of 2 cases] Martinez J, et al. **Rev Clin Esp** 1981 Sep 30; 162(6):301–4 **(Spa)**

PATHOLOGY

[Studies on experimental cervical spondylotic myelopathy (author's transl)] Nishijima S. **Nippon Geka Hokan** 1981 Mar 1;50(2):313–29 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Acute central cervical spinal cord syndrome. Morse SD. **Ann Emerg Med** 1982 Aug;11(8):436–9
Mechanical and neurological response of cat spinal cord under static loading. Hung TK, et al. **Surg Neurol** 1982 Mar;17(3):213–7
The effect of acute spinal cord compression injury on thyroid function in the rat. Tator CH, et al. **Surg Neurol** 1982 Jul; 18(1):64–8
[Clinical application of the evoked spinal cord potentials. Part 1. Neurophysiological assessment of the evoked spinal cord potentials in experimental cord trauma - with reference to cord compression and ischemia (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1631–47 (Eng. Abstr.) **(Jpn)**
[Disorders of conus medullaris function in patients with intervertebral disk prolapse into the lateral part of the spinal canal] Malukiewicz W. **Neurol Neurochir Pol** 1981 Jul-Aug;15(4):493–6 **(Pol)**

RADIOGRAPHY

Computerized tomography of malignant pleural mesothelioma with spinal canal invasion. Mikhael MA, et al. **Comput Radiol** 1982 Jan-Feb;6(1):11–5
CT demonstration of cervical spinal cord compression--cause of reversible itching and burning in the lower extremities. Ulicny TL, et al. **CT** 1982 Apr; 6(1):57–60
[Contribution of computed tomography to the diagnosis of herniated disk and narrowed lumbar canal] Feldmeyer JJ, et al. **Schweiz Med Wochenschr** 1982 Apr 24; 112(17):599–604 (Eng. Abstr.) **(Fre)**
[Diagnostic problems in cervical spinal stenosis - myelographic appearance with Amipaque (author's transl)] Hartjes H, et al. **Radiologe** 1982 Jan;22(1):45–50 (Eng. Abstr.) **(Ger)**
[Emergency radiologic diagnosis of space-occupying lesions of the spinal canal] Assmann H, et al. **Zentralbl Chir** 1981; 106(6):413–5 **(Ger)**
[Spinal phlebography] Pajewski M, et al. **Harefuah** 1981 Oct; 101(7-8):145–8 (Eng. Abstr.) **(Heb)**

SURGERY

Subjective postoperative results in cervical spondylotic myelopathy. Vaquero J, et al. **Acta Neurochir (Wien)** 1982; 62(1-2):95–100
Anterior decompression of the spine for metastatic epidural cord compression: a promising avenue of therapy? Siegal T, et al. **Ann Neurol** 1982 Jan;11(1):28–34
Spinal cord decompression treated by laminectomy with spinal stabilization and realignment. Lane JM, et al. **Clin Bull** 1981;11(2):83–7
Thoracic spinal cord decompression: alternative surgical approaches and basis of choice. Dohn DF. **Clin Neurosurg** 1980;27:611–23
Anterior surgical decompression for thoracic myelopathy as a result of ossification of the posterior longitudinal ligament. Ohtani K, et al. **Clin Orthop** 1982 Jun;(166):82–8
One-stage decompression and posterolateral and interbody fusion for lumbosacral spondyloptosis through a posterior approach. Report of two cases. Bohlman HH, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):415–8
The syndrome of lumbar spinal stenosis and its surgical treatment. Hubschmann OR, et al. **J Med Soc NJ** 1981 May;78(5):351–4
Laminoplasty for patients with compressive myelopathy due to so-called spinal canal stenosis in cervical and thoracic regions. Tsuji H. **Spine** 1982;7(1):28–34
Anterior spinal cord decompression and spine stabilization for metastatic disease. A case report. Winter RB. **Spine** 1982;7(1):70–2
[On the extent of decompression for spinal fractures complicated with paraplegia (author's transl)] Hu YJ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):543–5 (Eng. Abstr.) **(Chi)**
[Clinical and radiological study on subtotal vertebrectomy for cervical myelopathy due to multiple-level involvement (author's transl)] Miyasaka H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov;55(11):1555–68 (Eng. Abstr.) **(Jpn)**
[Specific features of spinal injuries in elderly patients] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):459–63 **(Pol)**
[Remote results of treatment of dorso-medial intervertebral disk displacement] Krzymiński T. **Neurol Neurochir Pol** 1981 May-Jun;15(3):321–6 (Eng. Abstr.) **(Pol)**

THERAPY

Unstable thoracic fractures: treatment alternatives and the role of the neurosurgeon. Larson SJ. **Clin Neurosurg** 1980; 27:624–40
Metastatic disease of the spine: surgical risk versus radiation therapy. Patterson RH Jr. **Clin Neurosurg** 1980;27:641–4
Early decompression and neurological outcome in acute cervical spinal cord injuries. Wagner FC Jr, et al. **J Neurosurg** 1982 May;56(5):699–705

VETERINARY

Dynamic compression of the cervical spinal cord. Olsson SE, et al. **Acta Vet Scand** 1982;23(1):65–78
Spinal cord compression by depressed fragment of dorsal arch of L5, subcutaneous gas in the left hindlimb and dorsally over the lumbar spine, and subcutaneous fluid along the left body wall and abdomen. Cashwell-Clark M. **J Am Vet Med Assoc** 1982 Jan 15;180(2):182–4

SPINAL CORD DISEASES

CEREBROSPINAL FLUID

Myelin basic protein elevation in myelopathy due to systemic lupus erythematosus. Daras M, et al. **NY State J Med** 1982 Mar;82(3):357–8
[Myelopathies: behavior of cerebrospinal fluid cells and proteins] Spina-França A, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):143–8 (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Neurologic effects of subarachnoid administration of 2-chloroprocaine-CE, bupivacaine, and low pH normal saline in dogs. Ravindran RS, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):279–83
Subacute myelo-optic neuropathy (SMON). First neuro-pathological report outside Japan. Ricoy JR, et al. **J Neurol Sci** 1982 Feb;53(2):241–51
Spinal cord haemorrhage following herpes zoster: a possible complication of warfarin therapy. Friedland ML, et al. **Postgrad Med J** 1982 Jan;58(675):39–40

CLASSIFICATION

[Clinical studies on cervical osteochondrosis--reassessment of our classification for myelopathy (author's transl)] Matsuoka A. **Nippon Geka Hokan** 1981 Nov 1;50(6):826–59 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Recurrent paraplegia with total recovery from spontaneous spinal epidural hematoma. Hernandez D, et al. **Ann Neurol** 1982 Jun;11(6):623–4
Bowel training for children with neurogenic dysfunction: a follow-up. Dietrich S, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):166–70
Acute myelopathy caused by fibrocartilaginous emboli. Bots GT, et al. **Neurology (NY)** 1981 Oct;31(10):1250–6
Adrenal defect in adrenomyelodystrophy. Allen JP, et al. **South Med J** 1982 Jul;75(7):877–9
Laminoplasty for patients with compressive myelopathy due to so-called spinal canal stenosis in cervical and thoracic regions. Tsuji H. **Spine** 1982;7(1):28–34
Plasma renin activity and cyclic adenosine monophosphate in orthostatic hypotension of spinal transections. Hsu MH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):691–7
[Meningeal lesion as the cause of cervical myelopathy in the course of progressive polyarthritis (author's transl)] Beran J, et al. **Cesk Radiol** 1981 Jul;35(4):239–43 (Eng. Abstr.) **(Cze)**
[Cervical spondylotic myelopathy and radiculopathy (author's transl)] D'Haens J, et al. **Rev Med Brux** 1982 Mar;3(3):161–6 (Eng. Abstr.) **(Fre)**
[Spinal arachnoidal cyst as cause of intermittent spastic paraparesis (author's transl)] Sachsenheimer W, et al. **Nervenarzt** 1982 Apr;53(4):219–22 **(Ger)**
[Spinal cord lesions of extraspinal vascular origin] Mazaira Alvarez J, et al. **Rev Clin Esp** 1982 Feb 15;164(3):179–81 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The pattern visual evoked potential in the clinical assessment of undiagnosed spinal cord disease. Blumhardt LD, et al. **Adv Neurol** 1982;32:463–71
Diagnostic value of segmental somatosensory evoked potentials in cases with chronic progressive para- or tetraspastic syndromes. Jörg J, et al. **Adv Neurol** 1982; 32:347–58
Spinal somatosensory evoked potentials: maturational and clinical studies. Cracco JB, et al. **Ann NY Acad Sci** 1982; 388:526–37
Myelopathy after scorpion sting. Rosenberg NL, et al. **Arch Neurol** 1982 Feb;39(2):127
CNS cysticercosis--a problem of differential diagnosis. Popper H, et al. **Arch Psychiatr Nervenkr** 1982; 231(4):369–74
Acute spinal cord disease in childhood. Crichton JH. **Dev Med Child Neurol** 1981 Oct;23(5):643–6
Cyst of the conus medullaris manifesting amyotrophic lateral sclerosis syndrome. Korosue K, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):507–10
Functional classification and orthopaedic management of spinal muscular atrophy. Evans GA, et al. **J Bone Joint Surg [Br]** 1981;63B(4):516–22
Intraspinal cholesteatoma. Donnelly RP, et al. **J Neurosurg Nurs** 1981 Aug;13(4):207–10
Tethered cord syndrome. Fedun PC. **J Neurosurg Nurs** 1982 Jun;14(3):144–9
Adrenoleukomyeloneuropathy presenting as spinocerebellar degeneration. Marsden CD, et al. **Neurology (NY)** 1982 Sep; 32(9):1031–2
Spontaneous ventral spinal epidural hematoma with anterior cord syndrome: report of a case. Phillips TW, et al. **Neurosurgery** 1981 Oct;9(4):440–3
Acute spinal epidural abscess--a cause of meningism. Stewart IC, et al. **Scott Med J** 1981 Oct;26(4):348–9
Metrizamide myelography and epidural venography. Their role in the diagnosis of lumbar disc herniation and spinal stenosis. Herkowitz HN, et al. **Spine** 1982;7(1):55–64
Finger tapping test as a means to differentiate olivo-ponto-cerebellar atrophy among spinocerebellar degenerations. Kosaka K, et al. **Tohoku J Exp Med** 1982 Feb;136(2):129–34
[Intramedullary spinal abscess] Hejgaard N, et al. **Ugeskr Laeger** 1981 May 11;143(20):1278 (Eng. Abstr.) **(Dan)**
[Spinocerebellar degeneration, optic atrophy, epilepsy, myoclonus and mitochondrial myopathy: a case report (author's transl)] Roger J, et al. **Rev Neurol (Paris)** 1982; 138(3):187–200 (Eng. Abstr.) **(Fre)**
[Spinal epidural abscess in an 11-year-old boy (author's

transl)] Kotlarek F, et al. **Monatsschr Kinderheilkd** 1981 Jan;129(1):48–50 (Eng. Abstr.) **(Ger)**

[Differentia! diagnosis between systemic degenerative neurologic syndromes and cervical spine–spinal cord pathology] Buscaino GA. **Acta Neurol (Napoli)** 1981 Dec; 36(6):758–65 (11 ref.) **(Ita)**

[Lumbosacral myeloradicular syndromes caused by anomalies of the dural sac] Bernabè G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):97–121 **(Ita)**

[Acute spinal cord syndrome in pregnancy. Case report] Ascione A, et al. **Riv Neurobiol** 1980 Oct–Dec;26(4):485–9 (Eng. Abstr.) **(Ita)**

[Spinal epidural abscesses: report of 5 cases] Braga FM, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):192–202 (Eng. Abstr.) **(Por)**

[Clinico–electromyographic analysis of atypical forms of chronic progressive motor neuron diseases] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1982;82(3):25–31 (Eng. Abstr.) **(Rus)**

[Foix–Alajouanine angiodysgenetic myelomalacia] Zuska K, et al. **Cesk Neurol Neurochir** 1982 Mar;45(2):133–7 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Guanidine hydrochloride in infantile and juvenile spinal muscular atrophy. A double blind controlled study. Angelini C, et al. **Acta Neurol (Napoli)** 1980 Dec; 35(6):460–5

[Effect of ACTH4–7 and lysyl–vasopressin on the activity of a generator of pathologically enhanced excitation] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Aug; 92(8):14–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Abnormal activation of pyruvate dehydrogenase in Leigh disease fibroblasts. Sorbi S, et al. **Neurology (NY)** 1982 May; 32(5):555–8

ETIOLOGY

Necrotizing arteritis and spinal subarachnoid hemorrhage in Sjögren syndrome. Alexander EL, et al. **Ann Neurol** 1982 Jun;11(6):632–5

Subacute necrotic myelopathy. Its appearance eight years after cure of a breast carcinoma. Sieben GM, et al. **Arch Neurol** 1981 Dec;38(12):775–7

Spinal cord degeneration in a case of 'recovered' spinal decompression sickness. Palmer AC, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):888

Craniovertebral anomalies. Dunsker SB, et al. **Clin Neurosurg** 1980;27:430–9

Chronic spinal subdural hematoma. Kumar S, et al. **Indian Pediatr** 1981 Oct;18(10):757–60

Rupture of central canal with multisegmental haematomyelia. An unusual complication of rapidly fatal intracranial hypertension. Leramo OB, et al. **J Neurol Sci** 1982 Apr; 54(1):89–97

Intramedullary cervical spinal cord abscess. Case report. Blacklock JB, et al. **J Neurosurg** 1982 Aug;57(2):270–3

Acromegaly and spinal stenosis. Case report. Epstein N, et al. **J Neurosurg** 1982 Jan;56(1):145–7

Delayed myelopathy secondary to retained intraspinal metallic fragment. Case report. Jones FD, et al. **J Neurosurg** 1981 Dec;55(6):979–82

Thoracic myelopathy secondary to ossified ligamentum flavum. Omojola MF, et al. **J Neurosurg** 1982 Mar; 56(3):448–50

The role of apophysial osteoarthritis in cervical radicular syndromes. Sanguinetti C, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):159–61

Continuous infusion of epidural anesthesia and posterior column deterioration [letter] Meier FA, et al. **Lancet** 1982 Sep 18;2(8299):659

Pathogenesis of subacute combined degeneration [letter] Reynolds AH. **Lancet** 1981 Nov 14;2(8255):1109

Spinal subarachnoid hemorrhage due to a thoracic neurinoma during anticoagulation therapy —a case report—. Motomochi M, et al. **Neurol Med Chir (Tokyo)** 1981 Jul; 21(7):781–4

Postoperative cervical pseudomeningocele as a cause of delayed myelopathy. Helle TL, et al. **Neurosurgery** 1981 Sep;9(3):314–6

Isolated congenital cervical block vertebrae below the axis with neurological symptoms. Lee CK, et al. **Spine** 1981 Mar–Apr;6(2):118–24

Lumbar extradural compression by guinea worm infestation. Mathur PP, et al. **Surg Neurol** 1982 Feb;17(2):127–9

[Spinal cord lesions in the decompression syndrome] Hansen K, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):532–5 (Eng. Abstr.) **(Dan)**

[Cervical myelopathy disclosing sarcoidosis (letter)] Viader F, et al. **Nouv Presse Med** 1982 May 15;11(23):1805 **(Fre)**

[Clinical and pathological study of a case of subacute combined degeneration of the cord with folic acid deficiency (author's transl)] Guard O, et al. **Rev Neurol (Paris)** 1981;137(6–7):435–46 (Eng. Abstr.) **(Fre)**

[Spinal extradural haematoma—the cause of the bleeding (author's transl)] Koyama T, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):11–3 (Eng. Abstr.) **(Ger)**

[Clinical studies on cervical osteochondrosis—in special reference to type I of myelopathy in our classification (author's transl)] Miyamoto T. **Nippon Geka Hokan** 1981 Mar 1;50(2):295–312 (Eng. Abstr.) **(Jpn)**

[Epidemiological and clinical study of ossified yellow ligament in the thoracic spine (author's transl)] Tsue K. **Nippon Geka Hokan** 1981 Mar 1;50(2):330–51 (Eng. Abstr.) **(Jpn)**

[Transverse myelopathy in systemic lupus erythematosus —report of a case with long-term follow-up (author's transl)] Yokoyama Y, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1153–8 **(Jpn)**

[The anterior spinal artery syndrome] Haldorsen T. **Tidsskr Nor Laegeforen** 1981 Aug 30;101(24):1331–4 (Eng. Abstr.) **(Nor)**

[Case of extensive spinal cord necrosis of probable inflammatory etiology] Nowacki P, et al. **Neuropatol Pol** 1981 Jan–Mar;19(1):137–43 (Eng. Abstr.) **(Pol)**

[Response of spinal cord capillaries of white rats to exposure to noise] Ivanenko GA. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):54–8 (Eng. Abstr.) **(Rus)**

[Mathematical modeling of pathomorphologic changes in the spinal cord during prolonged cooling] Avtandilov GG, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):505–7 (Eng. Abstr.) **(Rus)**

[Spinal myoclonus. Presentation of a case and review of its syndrome (author's transl)] Rebollo Alvarez–Amandi M, et al. **Arch Neurobiol (Madr)** 1981 Jul–Aug;44(4):225–38 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Juvenile spinal muscular atrophy: a new hexosaminidase deficiency phenotype. Johnson WG, et al. **Ann Neurol** 1982 Jan;11(1):11–6

Hereditary proximal spinal and bulbar motor neuron disease of late onset. A report of six cases. Barkhaus PE, et al. **Arch Neurol** 1982 Feb;39(2):112–6

X-linked spinal and bulbar muscular atrophy of late onset (Kennedy–Stefanis disease?). Papapetropoulos T, et al. **Eur Neurol** 1981;20(6):485–8

IMMUNOLOGY

In vivo effects of antibodies to immune response gene products: prevention of experimental allergic encephalitis. Steinman L, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7111–4

METABOLISM

[Biochemical and ultrastructural study of erythrocyte membranes and the sural nerve in 2 cases of spinocerebellar degeneration] Gallai V, et al. **Riv Neurobiol** 1980 Jul–Sep; 26(3):273–83 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Autonomic neurons of the sacral spinal cord in amyotrophic lateral sclerosis, anterior poliomyelitis and 'neuronal intranuclear hyaline inclusion disease': distribution of sacral autonomic neurons. Sung JH. **Acta Neuropathol (Berl)** 1982; 56(3):233–7

Morphological and morphometric studies on the spinal cord lesion in Werdnig–Hoffmann disease. Kumagai T, et al. **Brain Dev** 1982;4(2):87–96

Stimulus–sensitive spinal myoclonus. Davis SM, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):884–8

Calcium pyrophosphate dihydrate deposition in lumbar disc fibrocartilage. Ellman MH, et al. **J Rheumatol** 1981 Nov–Dec;8(6):955–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 14–1982. An 81–year–old woman with severe lumbar pain and sciatica. **N Engl J Med** 1982 Apr 8;306(14):855–60

Electron microscopic studies on the experimental cervical myelopathy. Yamaguchi Y. **Nippon Geka Hokan** 1980 Nov 1;49(6):713–38

[Werdnig–Hoffmann disease] Perentes E, et al. **Rev Med Suisse Romande** 1981 Sep;101(9):685–96 **(Fre)**

[Stenosis of the lumber spine. Clinical picture, diagnosis, treatment (author's transl)] Schroeder S, et al. **Z Orthop** 1982 Apr;120(2):134–45 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Simultaneous cerebral and spinal fluid pressure recordings. 2. Cerebrospinal dissociation with lesions at the foramen magnum. Williams B. **Acta Neurochir (Wien)** 1981; 59(1–2):123–42

Dermatomes, sensory levels and spinal cord disease. Cook AW. **Acupunct Electrother Res** 1981;6(1):1–6

Somatosensory evoked potentials following tibial nerve stimulation in multiple sclerosis and space–occupying spinal cord diseases. Riffel B, et al. **Adv Neurol** 1982;32:493–500

Brainstem auditory evoked potentials in disorders of the primary sensory ganglion. Satya–Murti S, et al. **Adv Neurol** 1982;32:219–25

Spinal somatosensory evoked potentials in cervical cord lesions. Stöhr M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):257–65

Conducted somatosensory evoked potentials during spinal surgery. Part 1: control conduction velocity measurements. Macon JB, et al. **J Neurosurg** 1982 Sep;57(3):349–53

Clinical recording of pressure on the spinal cord and cauda equina. Part 2: position changes in pressure on the cauda equina in central lumbar spinal stenosis. Magnaes B. **J Neurosurg** 1982 Jul;57(1):57–63

Clinical recording of pressure on the spinal cord and cauda equina. Part 1: the spinal block infusion test: method and clinical studies. Magnaes B. **J Neurosurg** 1982 Jul; 57(1):48–56

Tethered cord syndrome in adults. Pang D, et al. **J Neurosurg** 1982 Jul;57(1):32–47

The problem of the spinal myoclonus. A case report. Bergonzi P, et al. **J Neurosurg Sci** 1981 Jul–Dec; 25(3–4):163–7

Somatosensory cerebral evoked potentials in spinal cord diseases. Grüninger W, et al. **Paraplegia** 1981;19(4):206–15

Recurrence of lumbar canal stenosis a decade after decompressive laminectomy. Levy WJ, et al. **Surg Neurol** 1982 Feb;17(2):96–8

[A case of macrosquare wave jerks with spinocerebellar degeneration: on mechanism of square oscillation (author's transl)] Nagata R, et al. **Nippon Ganka Gakkai Zasshi** 1981 Dec 10;85(12):2095–102 (Eng. Abstr.) **(Jpn)**

[Experimental study of cervical spondylotic myelopathy—spinal cord blood flow in cervical canal stenosis (author's transl)] Nakamura K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Aug;55(8):747–54 (Eng. Abstr.) **(Jpn)**

[Evoked potentials in spinal cord diseases (author's transl)] Shibasaki H. **No Shinkei Geka** 1981 Sep;9(10):1109–22 (89 ref.) **(Jpn)**

[Demonstration of latent postural asymmetry by means of a synthetic hexapeptide] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):38–42 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Effect of a ginseng tissue culture preparation on morphofunctional changes in motor neurons upon activation] Andreev SIu, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):34–40 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Intraspinal arachnoid cysts. Agnoli AL, et al. **Acta Neurochir (Wien)** 1982;61(4):291–302

Congenital block vertebrae C2–C3 in patients with cervical myelopathy. de Graaff R. **Acta Neurochir (Wien)** 1982; 61(1–3):111–26

Metrizamide myelography combined with computed tomography in adrenomyeloneuropathy [letter] Martin JJ, et al. **Arch Neurol** 1982 Aug;39(8):530

Spinal cord swelling in multiple sclerosis. Feasby TE, et al. **Can J Neurol Sci** 1981 May;8(2):151–3

Prevention of adverse reactions to Amipaque in cervical myelography. Report of a homogeneous series of 380 patients. Legré J, et al. **J Neuroradiol** 1981;8(4):353–61 **(Eng, Fre)**

Usefulness of computed tomography (CT) in the study of cervical radiculopathy. Giordano GB, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):139–41

Spinal arachnoid cysts: clinical and radiological correlation with prognosis. Kendall BE, et al. **Neuroradiology** 1982; 22(5):225–34

Computed tomography of 'cystic' intramedullary lesions. Pullicino P, et al. **Neuroradiology** 1982;23(3):117–21

Spinal intradural arachnoid cyst. Galzio RJ, et al. **Surg Neurol** 1982 May;17(5):388–91

[Intraspinal meningocele (author's transl)] Bohutovă J, et al. **Cesk Radiol** 1982 Jan;36(1):20–6 (Eng. Abstr.) **(Cze)**

[Myelography with water–soluble contrast media in the diagnosis of space–occupying spinal lesions] Schmidt RC. **Rontgenpraxis** 1982 May;35(5):166–73 **(Ger)**

[Use of contrast media in spinal computerized tomography] Giordano GB, et al. **Radiol Med (Torino)** 1982 May; 68(5):383–5 (21 ref.) **(Ita)**

[Clinical study on selective arteriography of the spinal cord in disorders of the thoracic and thoraco–lumbar region (author's transl)] Shibata T. **Nippon Geka Hokan** 1981 Jan 1;50(1):117–42 (Eng. Abstr.) **(Jpn)**

[Our experience with the evaluation of diagnostic neuroradiological zonography] Złomaniec J. **Neurol Neurochir Pol** 1981 May–Jun;15(3):333–6 **(Pol)**

[Radiological aspects of periradicular cysts and meningeal diverticula in the lumbosacral segment (author's transl)] Gajewicz M, et al. **Pol Przegl Radiol** 1981 Mar–Apr; 45(2):77–80 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Acute spinal cord diseases in childhood [letter] **Dev Med Child Neurol** 1982 Jun;24(3):395–6

SURGERY

Posterior approach in cervical spondylotic myeloradiculopathy. Casotto A, et al. **Acta Neurochir (Wien)** 1981;57(3–4):275–85

A comparative study of the treatment of cervical spondylotic myeloradiculopathy. Experience with 50 cases treated by means of extensive laminectomy, foraminotomy, and

excision of osteophytes during the past 10 years. Epstein JA, et al. **Acta Neurochir (Wien)** 1982;61(1-3):89-104
Degenerative lumbar spinal stenosis: results of operative treatment. Surin V, et al. **Acta Orthop Scand** 1982 Feb; 53(1):79-85
Intraoperative monitoring of evoked potentials. Raudzens PA. **Ann NY Acad Sci** 1982;388:308-26
Autologous fat transplants for the protection and repair of the spinal dura. Mayfield FH. **Clin Neurosurg** 1980; 27:349-61
Treatment of dural tears associated with spinal surgery. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1132-6
Intramedullary enterogenous cyst of the spinal cord. Case report. Kwok DM, et al. **J Neurosurg** 1982 Feb;56(2):270-4
Conducted somatosensory evoked potentials during spinal surgery. Part 2: clinical applications. Macon JB, et al. **J Neurosurg** 1982 Sep;57(3):354-9
Conducted somatosensory evoked potentials during spinal surgery. Part 1: control conduction velocity measurements. Macon JB, et al. **J Neurosurg** 1982 Sep;57(3):349-53
Spontaneous spinal epidural hematoma in a 22-month-old girl. Vallée B, et al. **J Neurosurg** 1982 Jan;56(1):135-8
Long-term results with Kiel bone grafts using the Cloward procedure. Cantore GP. **J Neurosurg Sci** 1981 Jul-Dec; 25(3-4):203-10
The use of the operating microscope in anterior discectomy for cervical myelopathy. Franco A, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3-4):227-30
On some rare spreading cervical lesions. Pansini A, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3-4):255-7
Spinal computerized tomography in neurosurgery. Valentino V, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3-4):249-54
The syringo-hydromyelia and its surgical treatment. Zander E, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3-4):271-7
Spinal intradural arachnoid cysts. Pau A, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):19-21
Aneurysmal bone cyst of the cervical spine: report of a case investigated by computed tomographic scanning and treated by a two-stage surgical procedure. Bret P, et al. **Neurosurgery** 1982 Jan;10(1):111-5
What fools we are [editorial] Bucy PC. **Surg Neurol** 1982 Mar;17(3):227-30

THERAPY

Modified skull tongs for cervical traction. Technical note. Rimel RW, et al. **J Neurosurg** 1981 Nov;55(5):848-9
[Epidural spinal electrostimulation (ESES) in patients with chronic pain and central motor disturbances (author's transl)] Klingler D, et al. **Wien Klin Wochenschr** 1981 Nov 27;93(22):688-95 (Eng. Abstr.) **(Ger)**

VETERINARY

Dysmyelination in Chow Chow dogs: further studies in older dogs. Vandevelde M, et al. **Acta Neuropathol (Berl)** 1981; 55(2):81-7
Porcine focal symmetrical poliomyelomalacia. Wilson TM, et al. **Can J Comp Med** 1982 Apr;46(2):218-20
Effects of dexamethasone on pancreatic tissue and on serum amylase and lipase activities in dogs. Parent J. **J Am Vet Med Assoc** 1982 Apr 1;180(7):743-6
Epidural dirofilariasis causing paraparesis in a dog. Shires PK, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1340-3
Shaking pups: a disorder of central myelination in the spaniel dog. II. Ultrastructural observations on the white matter of the cervical spinal cord. Griffiths IR, et al. **J Neurocytol** 1981 Oct;10(5):847-58
Fine pathology of mouse spinal cord infected with the Tyzzer organism. Fujiwara K, et al. **Jpn J Exp Med** 1981 Jun; 51(3):171-8
Pathology of motor neurons in accelerated hereditary canine spinal muscular atrophy. Cork LC, et al. **Lab Invest** 1982 Jan;46(1):89-99
Disorders of the spinal cord and spine of the geriatric patient. Walker TL, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):765-86 (32 ref.)
Leg paralysis in pheasant poults (Phasianus colchicus) due to spinal aspergillosis. Bygrave AC. **Vet Rec** 1981 Dec 5; 109(23):516

SPINAL CORD INJURIES

Spinal cord injury in South Florida. McCollough NC 3d, et al. **J Fla Med Assoc** 1981 Dec;68(12):968-73
Spinal cord injury. Review of basic and applied research. de la Torre JC. **Spine** 1981 Jul-Aug;6(4):315-35 (173 ref.)
Stress-strain relationship and neurological sequelae of uniaxial elongation of the spinal cord of cats. Hung TK, et al. **Surg Neurol** 1981 Jun;15(6):471-6

BLOOD

Hematologic features of chronic renal failure associated with spinal cord injury. Vaziri ND, et al. **Artif Organs** 1982 Feb;6(1):69-72

CEREBROSPINAL FLUID

Spinal trauma: pharmacological evidence for vasoconstrictor activity in cerebrospinal fluid. Boullin DJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):725-7

COMPLICATIONS

Syringomyelia after spinal cord injury. Padilla CR. **Am Fam Physician** 1982 Jul;26(1):145-51
Gastrointestinal pathology in patients with chronic renal failure associated with spinal cord injury. Meshkinpour H, et al. **Am J Gastroenterol** 1982 Aug;77(8):562-4
Case report. Posterior splint for leg fractures in spinal cord injured patients. El Ghatit AZ, et al. **Am J Phys Med** 1981 Oct;60(5):239-42
Psychiatric disorders in patients with spinal cord injuries. Fullerton DT, et al. **Arch Gen Psychiatry** 1981 Dec; 38(12):1369-71
Severe vertebral osteomyelitis in patients with spinal cord injury. Malik GM, et al. **Arch Intern Med** 1982 Apr; 142(4):807-8
Bacterial infections in patients with chronic renal failure: occurrence with spinal cord injury. Vaziri ND, et al. **Arch Intern Med** 1982 Jul;142(7):1273-6
Spinal cord injury hypercalcemia: therapeutic profile. Claus-Walker J, et al. **Arch Phys Med Rehabil** 1982 Mar; 63(3):108-15
Bacteriuria during follow-up in patients with spinal cord injury: I. Rates of bacteriuria in various bladder-emptying methods. Erickson RP, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):409-12
Heterotopic ossification in the hand [letter] Lee IY, et al. **Arch Phys Med Rehabil** 1982 Feb;63(2):96
Cannabis effect on spasticity in spinal cord injury. Malec J, et al. **Arch Phys Med Rehabil** 1982 Mar;63(3):116-8
Bacteriuria during follow-up in patients with spinal cord injury: II Efficacy of antimicrobial suppressants. Merritt JL, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):413-5
Lower extremity fractures after spinal cord injury: a retrospective study. Ragnarsson KT, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):418-23
Maintenance hemodialysis in end-stage renal disease associated with spinal cord injury. Vaziri ND, et al. **Artif Organs** 1982 Feb;6(1):13-6
Rupture of diaphragm associated with spinal cord injury. Hall JC, et al. **Aust NZ J Surg** 1981 Dec;51(6):594-7
Spinal cord degeneration in a case of 'recovered' spinal decompression sickness. Palmer AC, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):888
Autonomic dysreflexia. A cause of morbidity and mortality in orthopedic patients with spinal cord injury. Jane MJ, et al. **Clin Orthop** 1982 Sep;(169):151-4
Effects of antacids, cimetidine, and 16,16-dimethyl prostaglandin E2 on acute gastric erosions in a spinal rat. Sigman HH, et al. **Dig Dis Sci** 1982 Mar;27(3):220-4
Spine deformity subsequent to acquired childhood spinal cord injury. Mayfield JK, et al. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1401-11
Effects of bathing on Pseudomonas and Klebsiella colonization in patients with spinal cord injuries. Gilmore DS, et al. **J Clin Microbiol** 1981 Oct;14(4):404-7
Hyperbaric oxygen in the management of pressure sores in patients with injuries to the spinal cord. Eltorai I. **J Dermatol Surg Oncol** 1981 Sep;7(9):737-40
The effect of blood transfusion, dopamine, and gamma hydroxybutyrate on posttraumatic ischemia of the spinal cord. Dolan EJ, et al. **J Neurosurg** 1982 Mar;56(3):350-8
Late sequelae of spinal cord trauma. Myelographic and surgical correlation. Osborne DR, et al. **J Neurosurg** 1982 Jul;57(1):18-23
Re: present urological treatment of spinal cord injury patients [letter] Dahlin PA. **J Urol** 1982 Jul;128(1):153-4
Experience with electromyography of the external urethral sphincter in spinal cord injury patients. Koyanagi T, et al. **J Urol** 1982 Feb;127(2):272-6
Relevance of sympathetic dyssynergia in the region of external urethral sphincter: possible mechanism of voiding dysfunction in the absence of (somatic) sphincter dyssynergia. Koyanagi T, et al. **J Urol** 1982 Feb; 127(2):277-82
Bethanechol chloride and the traumatic cord bladder. Light JK, et al. **J Urol** 1982 Jul;128(1):85-7
Penile implants in spinal cord injury patients for maintaining external appliances. Van Arsdalen KN, et al. **J Urol** 1981 Sep;126(3):331-2
Infectious complications in patients with spinal cord injury [editorial] Allen JR. **JAMA** 1982 Jul 2;248(1):83-4
Fever and infection in spinal cord injury patients. Sugarman B, et al. **JAMA** 1982 Jul 2;248(1):66-70
Persistent pleural effusion and traumatic subarachnoid-pleural fistula [letter] Lesoin F, et al. **Lancet** 1982 Oct 2;2(8301):772-3
Portable voiding alarm for use with spinal-cord injured patients. Patterson RP, et al. **Med Biol Eng Comput** 1981 Sep;19(5):654-6
A report from the International Federation of Societies for Surgery of Hand: from the Committee on Spinal Cord Injuries 1980. **Paraplegia** 1981;19(6):386-8
Permanent flaccid paraplegia in children with thoracic spinal cord injury. Boltshauser E, et al. **Paraplegia** 1981; 19(4):227-34
Post-traumatic acute anterior spinal cord syndrome. Foo D, et al. **Paraplegia** 1981;19(4):201-5
Lower extremity fractures in patients with spinal cord injury. Freehafer AA, et al. **Paraplegia** 1981;19(6):367-72
Low dose heparin prophylaxis for deep venous thrombosis in acute spinal cord injury patients: a controlled study. Frisbie JH, et al. **Paraplegia** 1981;19(6):343-6
Reduction of hypercalciuria in tetraplegia after weight-bearing and strengthening exercises. Kaplan PE, et al. **Paraplegia** 1981;19(5):289-93
Bladder cancer after spinal cord injury. El-Masri WS, et al. **Paraplegia** 1981;19(5):265-70
Prophylactic anticoagulant therapy in patients with spinal cord injury. El Masri WS, et al. **Paraplegia** 1981; 19(6):334-42
Splintage for the spinal cord injury patient. Minns RJ, et al. **Paraplegia** 1982 Feb;20(1):54-5
Urolithiasis in patients with spinal cord injury. Nikakhtar B, et al. **Paraplegia** 1981;19(6):363-6
Prevalence and incidence of pressure sores in acute spinal cord injuries. Richardson RR, et al. **Paraplegia** 1981; 19(4):235-47
Hyperoxaluria in chronic renal disease associated with spinal cord injury. Vaziri ND, et al. **Paraplegia** 1982 Feb; 20(1):48-53
Autonomic hyperreflexia following passive stretching to the hip joint. McGarry J, et al. **Phys Ther** 1982 Jan;62(1):30-1
Ultrasound evaluation of the urinary system in spinal-cord-injury patients. Brandt TD, et al. **Radiology** 1981 Nov;141(2):473-7
Evaluation of the urethra in males with spinal cord injury. Calenoff L, et al. **Radiology** 1982 Jan;142(1):71-6
Increased prevalence of HLA-B27 in patients with ectopic ossification following traumatic spinal cord injury. Larson JM, et al. **Rheumatol Rehabil** 1981 Nov;20(4):193-7
The radiology of pulmonary complications associated with acute spinal cord injury. Scher AT. **S Afr Med J** 1982 Aug 28;62(10):321-4
International Federation of Societies for surgery of the hand. A report from the Committee on Spinal Cord Injuries 1980. **Scand J Rehabil Med** 1982;14(1):3-5
Gastrointestinal complications of spinal cord injury. Gore RM, et al. **Spine** 1981 Nov-Dec;6(6):538-44
Massive gastroduodenal hemorrhage and perforation in acute spinal cord injury. Leramo OB, et al. **Surg Neurol** 1982 Mar;17(3):186-90
Predicting lower urinary tract dysfunctions in patients with spinal cord injury. Perlow DL, et al. **Urology** 1981 Nov; 18(5):531-5
[Acute arachnoid cysts in traumatic vertebro-medullary pathology (author's transl)] Chabannes J, et al. **Neurochirurgie** 1981;27(2):115-20 (Eng. Abstr.) **(Fre)**
[Late complications and therapy in paraplegia (author's transl)] Bilow KH. **Unfallheilkunde** 1982 Feb;85(2):66-71 (Eng. Abstr.) **(Ger)**
[Urinary tract infection in the paraplegic patient (author's transl)] Stöhrer M, et al. **Urologe [Ausg A]** 1981 Mar; 20(2):74-7 (Eng. Abstr.) **(Ger)**
[Post-traumatic syringomyelia] Ohry A, et al. **Harefuah** 1981 Apr 1;100(7):340-1 **(Heb)**
[Para-articular ossification in spinal cord lesions. Therapeutic aspects] Gilhus NE, et al. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19-21):1115-7 (Eng. Abstr.) **(Nor)**
[Upright position of the body during the rehabilitation of patients with traumatic tetra- and paraplegia] Matwiejko L. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):537-40 (Eng. Abstr.) **(Pol)**
[Clinical picture and diagnosis of a myotonic syndrome in children resulting from birth injury] Ratner AIu, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1461-6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Scalp-recorded somatosensory evoked potentials to stimulation of nerves in the lower extremities and evaluation of patients with spinal cord trauma. Perot PL Jr, et al. **Ann NY Acad Sci** 1982;388:359-68
Missed injuries of the spinal cord [letter] Ashworth M, et al. **Br Med J [Clin Res]** 1982 May 1;284(6325):1334-5
Missed injuries of the spinal cord. Ravichandran G, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):953-6
Assessment and predictability of renal function in spinal cord injury patients. Sawyer WT, et al. **Urology** 1982 Apr; 19(4):377-80
[Posttraumatic spinal cord lesion. Diagnosis and treatment at the acute stage (author's transl)] Meinecke FW. **Unfallheilkunde** 1982 Feb;85(2):42-50 (Eng. Abstr.) **(Ger)**
[Spinal cord and cauda equina injuries without radiological changes in the spine] Swiderski W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):349-53 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Vitamin E supplements and plasma high-density lipoprotein cholesterol [letter] Barboriak JJ, et al. **Am J Clin Pathol** 1982 Mar;77(3):371
Endorphins in experimental spinal injury: therapeutic effect of naloxone. Faden AI, et al. **Ann Neurol** 1981 Oct; 10(4):326-32
Microvascular perfusion and metabolism in injured spinal cord after methylprednisolone treatment. Anderson DK, et al. **J Neurosurg** 1982 Jan;56(1):106-13
Study shows little effect of steroids in spinal injury [news] Gunby P. **JAMA** 1982 Sep 3;248(9):1035
Thyrotropin-releasing hormone improves neurologic recovery after spinal trauma in cats. Faden AI, et al. **N Engl J Med** 1981 Oct 29;305(18):1063-7
Thyrotropin-releasing hormone for spinal trauma [letter]

Hall ED, et al. **N Engl J Med** 1982 Feb 18;306(7):429–30
Experimental spinal cord injury: treatment with naloxone. Flamm ES, et al. **Neurosurgery** 1982 Feb;10(2):227–31
Functional restoration of the traumatically injured spinal cord in cats by clonidine. Naftchi NE. **Science** 1982 Sep 10; 217(4564):1042–4

ENZYMOLOGY

Enzyme histochemical changes after transection or hemisection of the spinal cord of the rat. Krikorian JG, et al. **Exp Neurol** 1982 Jun;76(3):623–43

ETIOLOGY

Myelopathy following cervical spine manipulation. Kewalramani LS, et al. **Am J Phys Med** 1982 Aug; 61(4):165–75
An improved design of the pneumatic counter-pressure trousers. Rockwell DD, et al. **Am J Surg** 1982 Mar; 143(3):377–9
Spinal cord injury from electric current: a case report. Vincent FM. **Arch Phys Med Rehabil** 1981 Oct; 62(10):498–500
Retro-hyperflexion luxation: mechanism of cervical spinal cord contusion injury during ejection sequence. Hazzard RC. **Aviat Space Environ Med** 1981 Oct;52(10):625–6
Mechanisms of spinal cord injury after cross-clamping of the descending thoracic aorta. Berendes JN, et al. **Circulation** 1982 Aug;66(2 Pt 2):I112–6
Spinal cord damage as a complication of renal artery embolization in patients with renal carcinoma. Milewski JB, et al. **Int Urol Nephrol** 1981;13(3):221–9
A very delayed case of post-irradiation myelopathy with unusual features. Valli G, et al. **Ital J Neurol Sci** 1981 Aug; 2(3):311–4
Atypical Brown-Sequard syndrome following gunshot wound to the face. Saxon M, et al. **J Oral Maxillofac Surg** 1982 May;40(5):299–302
Thoracic spine injuries with spinal cord damage. Bedbrook G, et al. **J R Coll Surg Edinb** 1981 Sep;26(5):264–71
Cervical spine injuries resulting from collision sports. Kewalramani LS, et al. **Paraplegia** 1981;19(5):303–12
An unusual case of flexion injury of the cervical spine. Levy LM. **Surg Neurol** 1982 Apr;17(4):255–9
[Hazards of trampolines (letter)] **Ugeskr Laeger** 1981 Feb 23; 143(9):555–7 **(Dan)**
[Paraplegia following surgery of the abdominal aorta] Almazán Enriquez A, et al. **Angiologia** 1982 May–Jun; 34(3):125–35 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Specific humoral immunity indices in traumatic spinal cord disease] Kogan OG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):55–8 **(Rus)**

METABOLISM

Metabolic and endocrine changes in spinal cord injury: I. The nervous system before and after transection of the spinal cord. Claus-Walker J, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):595–601
Catecholamine metabolites in spinal cord injury. Harvey RF, et al. **Arch Phys Med Rehabil** 1982 Sep;63(5):419–22
Alterations in neurotransmitter receptor binding in the spinal cord after transection. Charlton G, et al. **Brain Res** 1981 Aug 10;218(1–2):372–5
Traumatically induced alterations in the oxygen fields in the canine spinal cord. Stokes BT, et al. **Exp Neurol** 1982 Mar; 75(3):665–77
Influence of triiodothyronine on the amino acid uptake of brain and spinal cord in normal and spinal hemisected adult rats. Wells MR, et al. **J Neurosci Res** 1981;6(5):609–20
Effects of intravenous methylprednisolone on spinal cord lipid peroxidation and Na+ + K+)-ATPase activity. Dose-response analysis during 1st hour after contusion injury in the cat. Hall ED, et al. **J Neurosurg** 1982 Aug; 57(2):247–53
Alterations in norepinephrine, serotonin, c-AMP, and transsynaptic induction of tyrosine hydroxylase after spinal cord transection in the rat. Naftchi NE, et al. **Neurochem Res** 1981 Nov;6(11):1205–16
Spinal cord glucose utilization after experimental spinal cord injury. Rawe SE, et al. **Neurosurgery** 1981 Jul;9(1):40–7

MORTALITY

Trauma to the central and peripheral nervous systems: Part I: an overview of mortality, morbidity and costs; N.S.W. 1977. Selecki BR, et al. **Aust NZ J Surg** 1982 Feb; 52(1):93–102
Survival from spinal cord injury. Le CT, et al. **J Chronic Dis** 1982;35(6):487–92
Fatal injuries of the head and spine: epidemiological studies in New South Wales and South Australia. Simpson D, et al. **Med J Aust** 1981 Dec 12–26;2(12–13):660–4
Analysis of mortality of patients after cervical spine trauma. Kiwerski J, et al. **Paraplegia** 1981;19(6):347–51
[Causes of death in 65 cases of transverse lesions of the spinal cord - determinants of the survival time (author's transl)] Böhm E, et al. **Zentralbl Chir** 1981;106(22):1502–11 (Eng. Abstr.) **(Ger)**

NURSING

Patient preparation and transfer to a regional spinal cord injury center. Buchanan LE. **J Neurosurg Nurs** 1982 Jun; 14(3):137–9
Regional spinal cord injury center nursing care: prescription for the present and the future. MacKechnie JN. **J Neurosurg Nurs** 1982 Jun;14(3):133–6
Pregnancy and childbirth in women with spinal cord injuries: a review of literature. Johnston B. **Matern Child Nurs J** 1982 Spring;11(1):41–6

OCCURRENCE

'Incidence of acute traumatic hospitalized spinal cord injury in the United States, 1970–1977'. Fine PR, et al. **Am J Epidemiol** 1982 Mar;115(3):475–9
Football head and neck injuries—an update. Maroon JC, et al. **Clin Neurosurg** 1980;27:414–29 (34 ref.)
A prospective study of patients with central nervous system trauma. Rimel RW. **J Neurosurg Nurs** 1981 Jun; 13(3):132–41
[Cranio-vertebral injuries in an aeromedical milieu] Cattani F. **Minerva Med** 1982 Aug 25;73(32–33):2101–6 **(Ita)**
[High cervical injury produced by a chopstick passing through the mouth (author's transl)] Kobayashi I, et al. **Rinsho Shinkeigaku** 1981 Jul;21(7):607–10 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Aberrant peripheral nerves and neuromas in normal and injured spinal cords. Sung JH, et al. **J Neuropathol Exp Neurol** 1981 Sep;40(5):551–65
Calcium-induced spongiform and necrotizing myelopathy. Balentine JD, et al. **Lab Invest** 1982 Sep;47(3):286–95
An experimental study of early ultrastructural changes in the injured spinal cord. Shibasaki K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Dec; 55(12):1693–701
Posttraumatic anterior spinal cord syndrome: pathological studies of two patients. Foo D, et al. **Surg Neurol** 1982 May;17(5):370–5

PHYSIOPATHOLOGY

Anesthesia and the control of blood pressure in patients with spinal cord injury. Lambert DH, et al. **Anesth Analg (Cleve)** 1982 Apr;61(4):344–8
Effect of spinal cord transection on neuromuscular function in the rat. Carter JG, et al. **Anesthesiology** 1981 Nov; 55(5):542–6
Cardiovascular complications during anesthesia in chronic spinal cord injured patients. Schonwald G, et al. **Anesthesiology** 1981 Nov;55(5):550–8
Bladder electromyography: response to electric stimulation and to terbutaline. Kaplan PE, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):424–7
Residual urine volume: correlate of urinary tract infection in patients with spinal cord injury. Merritt JL. **Arch Phys Med Rehabil** 1981 Nov;62(11):558–61
Spinal cord injury: a sensory restriction perspective. Richards JS, et al. **Arch Phys Med Rehabil** 1982 May;63(5):195–9
Metabolic & endocrine changes [letter] Rogoff JB. **Arch Phys Med Rehabil** 1982 Jun;63(6):289–90
Dynamic urethral function in the assessment of spinal injury patients. Bary PR, et al. **Br J Urol** 1982 Feb;54(1):39–44
Ventilatory responses to mechanical loads in cervical cord-injured humans. Axen K. **J Appl Physiol** 1982 Mar; 52(3):748–56
Effect of thoracic deafferentation on load-compensating mechanisms in humans. Axen K, et al. **J Appl Physiol** 1982 Mar;52(3):757–67
Bladder recovery in patients with traumatic cervical cord injury evaluated by voiding synchronous cystosphincterometry with uroflowmetry. Iwatsubo E. **J Urol** 1981 Oct;126(4):503–8
Neurologic aspects of detrusor-sphincter dyssynergia, with reference to the guarding reflex. Siroky MB, et al. **J Urol** 1982 May;127(5):953–7
Endorphins in traumatic spinal injury. Pathophysiologic studies and clinical implications. Faden AI, et al. **Mod Probl Pharmacopsychiatry** 1981;17:158–74
Comparison of early and late naloxone treatment in experimental spinal injury. Faden AI, et al. **Neurology (NY)** 1982 Jun;32(6):677–81
Vascular change in the spinal cord after impact injury in the rat. Sasaki S. **Neurosurgery** 1982 Mar;10(3):360–3
Urodynamic and neurophysiologic significance of sacral somatic activity in the retention state of spinal shock patients. Rossier AB, et al. **Prog Clin Biol Res** 1981; 78:161–78
Anatomical plasticity and sparing of function after spinal cord damage in neonatal cats. Bregman BS, et al. **Science** 1982 Aug 6;217(4559):553–5
Spinal cord monitoring of experimental incomplete cervical spinal cord injury: a preliminary report. Bohlman HH, et al. **Spine** 1981 Sep–Oct;6(5):428–36
Mechanical and neurological response of cat spinal cord under static loading. Hung TK, et al. **Surg Neurol** 1982 Mar;17(3):213–7
Spinal cord concussion. Parkinson D, et al. **Surg Neurol** 1981 Nov;16(5):347–9
Cystometry and UPP measurement under fluoroscopic visualization by means of X-ray television in patients with a traumatic spinal cord lesion. Namiki T. **Urol Int** 1981; 36(4):248–55
Sexual function and fertility in paraplegic males. Amelar RD, et al. **Urology** 1982 Jul;20(1):62–5
[The electrospinogram in the rabbit: normative data and acute lesions] Greco F, et al. **Arch Putti Chir Organi Mov** 1981; 31:165–71 (Eng. Abstr.) **(Ita)**
[Clinical application of the evoked spinal cord potentials. Part 1. Neurophysiological assessment of the evoked spinal cord potentials in experimental cord trauma - with reference to cord compression and ischemia (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec; 54(12):1631–47 (Eng. Abstr.) **(Jpn)**
[Clinic-anatomical characteristics of the cardiovascular system in traumatic spinal cord injuries] Kiseleva AF, et al. **Vrach Delo** 1982 Apr;(4):31–5 **(Rus)**

PREVENTION & CONTROL

Modification of radiation damage in rat spinal cord by mitotane. Glicksman AS, et al. **Cancer Treat Rep** 1982 Jul; 66(7):1545–7
The wake-up technique as a dual protector of spinal cord function during spine fusion. Jones ET, et al. **Clin Orthop** 1982 Aug;(168):113–8

PSYCHOLOGY

Personality, behavior, values, and family relations of children of fathers with spinal cord injury. Buck FM, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):432–8
Developmental considerations in children and early adolescents with spinal cord injury. Zager RP, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):427–31
Psychological response to acute spinal cord injury: an epidemiological study. Bracken MB, et al. **Paraplegia** 1981; 19(5):271–83
Depression in spinal cord injured patients. Howell T, et al. **Paraplegia** 1981;19(5):284–8
The 44th Stanley Melville Memorial Lecture 1981. How a spinal cord injury affects one's life-style. Rogers MA. **Radiography** 1982 Jun;48(570):117–21

RADIOGRAPHY

Spinal cord injury without radiographic abnormalities in children. Pang D, et al. **J Neurosurg** 1982 Jul;57(1):114–29
Computerized tomography in diagnosis of bullet cervical injuries. Report of two cases. Patricolo A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):131–14
Metrizamide myelography in cervical spine trauma: a modified technique using lateral fluoroscopy. Virapongse C, et al. **Radiology** 1982 Aug;144(3):636–7
[Traumatic rupture of the medulla with subarachnoid-pleural fistula (author's transl)] Born JD, et al. **Neurochirurgie** 1980; 26(6):409–11 (Eng. Abstr.) **(Fre)**
[X-ray diagnosis of the avulsion of brachial plexus roots from the spinal cord] Ogleznev KIa, et al. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):27–32 (Eng. Abstr.) **(Rus)**

REHABILITATION

Current literature on orthostatic hypotension and training in SCI patients. Lopes P, et al. **Am Correct Ther J** 1982 Mar–Apr;36(2):56–9 (28 ref.)
Employment status of spinal cord injured patients 3 years after injury. DeVivo MJ, et al. **Arch Phys Med Rehabil** 1982 May;63(5):200–3
Vocational development of spinal cord injury patients: an 8-year follow-up. Goldberg RT, et al. **Arch Phys Med Rehabil** 1982 May;63(5):207–10
Vocational/educational services in a medical rehabilitation facility: outcomes in spinal cord and brain injured patients. Jellinek HM, et al. **Arch Phys Med Rehabil** 1982 Feb; 63(2):87–8
The spinal injury learning series: an experimental test. Norris WC, et al. **Arch Phys Med Rehabil** 1982 Jun;63(6):243–8
Patient behavior as a predictor of outcomes in spinal cord injury. Norris-Baker C, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):602–8
Community based monitoring for spinal man. Dinsdale S, et al. **Can J Public Health** 1981 May–Jun;72(3):195–8
Problems in the management of combined brachial plexus and spinal cord injuries. Grundy DJ, et al. **Int Rehabil Med** 1981;3(2):57–70
Sex and the spinal cord injured patient. Solomon J. **J Neurosurg Nurs** 1982 Jun;14(3):125–7
Notes on rehabilitation in vertebral-medullar cervical pathology. Grasso A, et al. **J Neurosurg Sci** 1981 Jul–Dec; 25(3–4):239–40
Spinal cord traumas. Neurobiologic contributions for rehabilitation. Troisi AA, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):241–3
Spinal cord injured graduates of a transitional residential program: an evaluation of thirty-three. Owen RR, et al. **Minn Med** 1982 Mar;65(3):167–70
Spinal cord lesions and lower extremity bracing: an overview and follow-up study. Mikelberg R, et al. **Paraplegia** 1981; 19(6):379–85
Respiratory treatment of the adult patient with spinal cord injury. Alvarez SE, et al. **Phys Ther** 1981 Dec; 61(12):1737–45

Sex, spinal cord injury, and staff rapport. Stewart TD. **Rehabil Lit** 1981 Nov–Dec;42(11–12):347–50

Evaluation of the results of rehabilitation for spinal cord injuries over a recent 10-year period. Wong MK, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):433–41

[Physical rehabilitation of patients with spinal cord injuries at the Rehabilitation Institute of Montréal] Dehoux E, et al. **Union Med Can** 1981 Sep;110(9):781–4 (Eng. Abstr.) **(Fre)**

[posttraumatic paraplegia—long-term therapy and rehabilitation (author's transl)] Paeslack V. **Unfallheilkunde** 1982 Feb;85(2):59–65 (Eng. Abstr.) **(Ger)**

[Technical aids in the urologic care of patients with spinal cord injury (author's transl)] Mandalka B, et al. **Urologe [Ausg A]** 1981 Mar;20(2):70–3 (Eng. Abstr.) **(Ger)**

[Surgical therapy of voiding disorders in patients suffering from spinal cord injury (author's transl)] Stöhrer M. **Urologe [Ausg A]** 1981 Mar;20(2):78–84 (Eng. Abstr.) **(Ger)**

[Medical rehabilitation of patients with sequelae of war injuries of the nervous system] Livshits LIa, et al. **Sov Med** 1981;(11):89–92 **(Rus)**

SURGERY

Intercostal nerves to spinal nerve roots anastomosis (spinal cord bypass) and Harrington rod fusion in traumatic paraplegia—technical note. Patil A. **Acta Neurochir (Wien)** 1981;57(3–4):299–303

Reconstruction of the contused cat spinal cord by the delayed nerve graft technique and cultured peripheral non-neuronal cells. Wrathall JR, et al. **Acta Neuropathol (Berl)** 1982; 57(1):59–69

Intra-operative assessment of the neurosurgical patient. Terra AM. **J Neurosurg Nurs** 1982 Jun;14(3):140–3

Successful surgical management of stab injury of the thoracic aorta with penetration of the spinal cord. Stanley WE, et al. **JAOA** 1982 Apr;81(8):531–4

Surgery in incomplete spinal cord injury. O'Laoire SA, et al. **Surg Neurol** 1982 Jan;17(1):12–5

Cites priorities in reducing cervical subluxations [letter] Rish BL. **Va Med** 1981 Dec;108(12):761–2

[Indication and technique of operative treatment of traumatic paraplegia (author's transl)] Bötel U. **Unfallheilkunde** 1982 Feb;85(2):51–8 (Eng. Abstr.) **(Ger)**

THERAPY

Diaphragm pacing in the injury of the upper cervical spin. A case report. Solgaard T, et al. **Acta Neurol Scand** 1981 Jul;64(1):79

Clinical evaluation of the effect of spinal cord stimulation on motor performance in patients with upper motor neuron lesions. Campos RJ, et al. **Appl Neurophysiol** 1981; 44(1–3):141–51

Remarks on spinal cord stimulation and the placebo effect. Sharkey PC, et al. **Appl Neurophysiol** 1981;44(1–3):119–25

Long-term Suprapubic cystostomy drainage in spinal cord injury patients. Hackler RH. **Br J Urol** 1982 Apr; 54(2):120–1

The early management of spinal injuries. Norrell H. **Clin Neurosurg** 1980;27:385–400

A report of the acute spinal cord injury center. Wagner FC Jr, et al. **Conn Med** 1981 Nov;45(11):690–5

Effects of hyperbaric oxygen therapy on long-tract neuronal conduction in the acute phase of spinal cord injury. Higgins AC, et al. **J Neurosurg** 1981 Oct;55(4):501–10

Early decompression and neurological outcome in acute cervical spinal cord injuries. Wagner FC Jr, et al. **J Neurosurg** 1982 May;56(5):699–705

Management of the patient in a Halo brace. Hummelgard A, et al. **J Neurosurg Nurs** 1982 Jun;14(3):113–9

Intensive and reanimatory therapy in a patient afflicted with a cervical trauma. Mazzarella B, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):283–8

Steady state drug or fluid delivery to injured or transected spinal cord of rats. de la Torre JC, et al. **Lab Anim Sci** 1981 Dec;31(6):701–3

Closed manipulation leading to immediate recovery from cervical spine dislocation with paraplegia [letter] Duke RF, et al. **Lancet** 1981 Sep 12;2(8246):577–8

Management of spasticity in spinal cord injury. Merritt JL. **Mayo Clin Proc** 1981 Oct;56(10):614–22

Biomechanical basis for recommendation of transurethral sphincterotomy in spinal-cord-injury patients with detrusor-sphincter dyssynergia. Ghista DN, et al. **Med Biol Eng Comput** 1981 Jan;19(1):55–63

Use of electromyographic biofeedback during the acute phase of spinal cord injury: a case report. Nacht MB, et al. **Phys Ther** 1982 Mar;62(3):290–4

Modified technique for local cooling in spinal cord injuries. Rubini L, et al. **Spine** 1981 Jul–Aug;6(4):417–9

Spinal cord injuries. Trafton PG. **Surg Clin North Am** 1982 Feb;62(1):61–72

[Current attitude toward spinal injury patients] Roy-Camille R. **Acquis Med Recent** 1981;198:109–18 **(Fre)**

[Traumatic spinal cord lesions] Oldenkott P, et al. **Dtsch Med Wochenschr** 1982 Jun 18;107(24):944–5 **(Ger)**

[Effect of combined treatment of mannitol and myelotomy on experimental spinal cord injury (author's transl)] Iwasaki Y, et al. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):917–21 (Eng. Abstr.) **(Jpn)**

[Exercise therapy in patients with trauma of cervical vertebrae and spinal cord] Epifanov VA, et al. **Sov Med** 1981;(9):103–5 **(Rus)**

[Effect of combined sanatorium-health resort treatment on the cardiovascular system and external respiratory function in patients with sequelae of spinal cord injury] Gorbunov VI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):59–60 **(Rus)**

[Late observations of patients with a spinal cord lesion treated by physical therapy] Maslovskaia SG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):52–4 **(Rus)**

URINE

The significance of antibody coated bacteria in neuropathic bladder urines. Lindan R. **Paraplegia** 1981;19(4):216–9

VETERINARY

Pneumatically powered vertebral displacement device for dogs. Fialho SA, et al. **Am J Vet Res** 1982 Jul;43(7):1254–7

Gastrointestinal hemorrhage and pancreatitis associated with intervertebral disk diseases in the dog. Moore RW, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1443–7

SPINAL CORD NEOPLASMS

CEREBROSPINAL FLUID

[Cerebrospinal fluid changes in sarcomatosis of the pia mater of the brain and spinal cord] Neretin VIa, et al. **Sov Med** 1981;(12):72–4 **(Rus)**

CHEMICALLY INDUCED

Spinal tumors induced by neonatal administration of N-ethyl-N-nitrosourea in Wistar rats. Naito M, et al. **Gan** 1981 Feb;72(1):30–7

CLASSIFICATION

The classification of tumours of the central nervous system. Barnard RO. **Neuropathol Appl Neurobiol** 1982 Jan–Feb; 8(1):1–10

COMPLICATIONS

Recurrent abdominal pains as the first symptom of a spinal cord tumor. Eeg-Olofsson O, et al. **Acta Paediatr Scand** 1981 Jul;70(4):595–7

Hydrocephalus associated with intraspinal neoplasms in childhood. Oi S, et al. **Am J Dis Child** 1981 Dec; 135(12):1122–4

Spinal tumors and hydrocephalus. Schijman E, et al. **Childs Brain** 1981;8(6):401–5

Torticollis as the presenting sign in cervical spine infection and tumor. Visudhiphan P, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):71–6

An unusual cause of sciatica and back pain: ependymoma of the cauda equina. Case report. Wiss DA. **J Bone Joint Surg [Am]** 1982 Jun;64(5):772–3

Spinal cavernous haemangioma (intradural-extramedullary) underlying repeated subarachnoid haemorrhage. Heimberger K, et al. **J Neurol** 1982;226(4):289–93

Spinal cord compression: comparison of extradural and intramedullary metastases. Grosh W, et al. **J Tenn Med Assoc** 1981 Nov;74(11):821–4

Continuous infusion of epidural anesthesia and posterior column deterioration [letter] Meier FA, et al. **Lancet** 1982 Sep 18;2(8299):659

Spinal subarachnoid hemorrhage due to a thoracic neurinoma during anticoagulation therapy —a case report—. Motomochi M, et al. **Neurol Med Chir (Tokyo)** 1981 Jul; 21(7):781–4

Erosion of vertebral pedicles by unusual vascular causes. Report of three cases. Brooks BS, et al. **Neuroradiology** 1982;23(2):107–12

[Cobb syndrome: association with verrucous angioma, ipsilateral hypertrophy of the extremities and café-au-lait spots] Zala L, et al. **Dermatologica** 1981;163(5):417–25 (Eng. Abstr.) **(Ger)**

[Diagnosis of spondylogenic and neoplastic compression-ischemic radiculomyelopathies located in the thoraco-lumbo-sacral area] Makarov AIu, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):52–5 **(Rus)**

[Ischemic disorders complicating spinal cord tumors] Okladnikov GI. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):40–5 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital intraspinal lipomas: anatomic considerations and surgical treatment. Chapman PH. **Childs Brain** 1982; 9(1):37–47

DIAGNOSIS

Spinal angiolipoma. A case report. Miki T, et al. **Acta Neurochir (Wien)** 1981;58(1–2):115–9

Intramedullary tumor metastasis simulating radiation myelitis: report of a case. Margolis L, et al. **Cancer** 1981 Oct 1; 48(7):1680–3

[Meningeal irritation as (mis)leading symptom] van Meer GA, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1039–41 (Eng. Abstr.) **(Dut)**

[Hemangioblastoma of the spinal cord. A case with a probably single lesion (author's transl)] Pou-Serradell A, et al. **Rev Neurol (Paris)** 1981;137(6–7):463–8 (Eng. Abstr.) **(Fre)**

[Neurinoma of the cauda equina (author's transl)] Husag L, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):205–11 (Eng. Abstr.) **(Ger)**

[Spinal epidural hemangiolipoma - a case report (author's transl)] Hanakita J, et al. **No Shinkei Geka** 1982 Mar; 10(3):313–6 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Intra-arterial infusions of drugs and hyperosmotic solutions as ways of enhancing CNS chemotherapy. Fenstermacher J, et al. **Cancer Treat Rep** 1981;65 Suppl 2:27–37

Drug delivery to CNS tumors. Levin VA, et al. **Cancer Treat Rep** 1981;65 Suppl 2:19–25

[Treatment of acute leukemias in adults. V. The effect of intrathecal cytostatic therapy on leukemic changes in the central nervous system] Swencz-Szczepanik K, et al. **Acta Haematol Pol** 1981 Jul–Dec;12(3–4):161–9 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial primary nervous system neoplasms in three generations. Wald SL, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):12–5

IMMUNOLOGY

[Immunohistochemical study in 16 cases of primary lymphoma of the central nervous system (author's transl)] Jardon-Jeghers C, et al. **J Neurol Sci** 1982 Feb;53(2):331–46 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Statistical analysis of central nervous system tumors in China. Wen-qing H, et al. **J Neurosurg** 1982 Apr;56(4):555–64

Intraspinal tumors in infants and children: report of case and review of literature. Altamura RF. **JAOA** 1981 Dec; 81(4):266–71

Spinal cord tumors in the People's Republic of China: a statistical review. Cheng MK. **Neurosurgery** 1982 Jan; 10(1):22–4

PATHOLOGY

Osteomatous meningioma. Report of two cases. de Caro R, et al. **Acta Neurochir (Wien)** 1982;60(3–4):313–7

Giant-cell glioblastoma of the thoracic cord. Grisold W, et al. **Acta Neurochir (Wien)** 1981;58(1–2):121–6

Intramedullary cystic teratoma. Padovani R, et al. **Acta Neurochir (Wien)** 1982;62(1–2):101–8

Intramedullary spinal cord astrocytoma versus glioblastoma: the prognostic importance of histologic grade. Kopelson G, et al. **Cancer** 1982 Aug 15;50(4):732–5

Astrocytomas involving the whole spinal cord. Two case reports. Mauser HW, et al. **Clin Neurol Neurosurg** 1981; 83(4):239–45

Primary lymphoma of the spinal cord. Slager UT, et al. **J Neuropathol Exp Neurol** 1982 Jul;41(4):437–45

Tangled masses of regenerated central nerve fibers (non-myelinated central neuromas) in the central nervous system. Sung JH. **J Neuropathol Exp Neurol** 1981 Nov; 40(6):645–57

Intramedullary spinal neurinomas. Report of two cases. Cantore G, et al. **J Neurosurg** 1982 Jul;57(1):143–7

Pathology of an experimental extradural spinal T cell tumor. Kase CS, et al. **Lab Invest** 1982 May;46(5):535–42

[Electron microscopic study of spinal cord tumors (author's transl)] Inokawa Y. **Nippon Geka Hokan** 1980 Nov 1; 49(6):820–36 (Eng. Abstr.) **(Jpn)**

[Chordoma of the lumbosacral portion of the spine] Iakimova TP, et al. **Vopr Onkol** 1981;27(9):40–2 **(Rus)**

[Dorsal extramedullary ependymoma (author's transl)] Oliver B, et al. **Arch Neurobiol (Madr)** 1981 Jul–Aug;44(4):215–24 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Thoracic spinal cord ependymoma presenting with ejaculatory failure. Case report. Berciano J, et al. **J Neurosurg** 1982 Jan;56(1):143–4

[Disturbances of regional spinal cord blood flow and CO2 response by epidural neoplasms (author's transl)] Kato A, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1201–7 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

[Radiotherapy of central nervous system for acute leukemia (author's transl)] Shen WJ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug; 15(3):219–21 **(Chi)**

RADIOGRAPHY

CT of neuroblastomas and ganglioneuromas in children. Armstrong EA, et al. **AJR** 1982 Sep;139(3):571–6

Intraspinal, extradural ependymoma. Seigel RS, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):189–92

Computed tomography in the diagnosis of space occupying lesions of the occipito-cervical junction. Vancoillie P, et al. **J Neuroradiol** 1981;8(4):335–41 **(Eng, Fre)**

Computed tomography of 'cystic' intramedullary lesions. Pullicino P, et al. **Neuroradiology** 1982;23(3):117–21
Neurofibromas of the spine — a pathognomonic sign. Joubert MJ. **S Afr Med J** 1981 Sep 26;60(13):509–11
[Examination of the spinal canal by Amipaque with concentration on small pathologic changes (author's transl)] Bohutová J, et al. **Cesk Radiol** 1982 Mar;36(2):85–92 (Eng. Abstr.) **(Cze)**
[Myelography with amipaque in infants and children (author's transl)] Schmidt RC, et al. **Radiologe** 1981 Nov; 21(11):521–6 (Eng. Abstr.) **(Ger)**
[Computer assisted myelography in the investigation of intraspinal space-occupying lesions (author's transl)] Schöter I, et al. **ROFO** 1980 Nov;133(5):527–30 (Eng. Abstr.) **(Ger)**
[Clinical study on selective arteriography of the spinal cord in disorders of the thoracic and thoraco-lumbar region (author's transl)] Shibata T. **Nippon Geka Hokan** 1981 Jan 1;50(1):117–42 (Eng. Abstr.) **(Jpn)**
[Computed tomography in the foramen magnum and high cervical cord lesion (author's transl)] Isu T, et al. **No Shinkei Geka** 1981 Oct;9(11):1251–8 (Eng. Abstr.) **(Jpn)**
[Angiography and clinical picture of the juvenile-type spinal arteriovenous angiomas (author's transl)] Mastalerski J, et al. **Pol Przegl Radiol** 1981 Jul–Sep;45(4):233–f (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

Radiation tolerance of the spinal cord previously-damaged by tumor and operation: long term neurological improvement and time-dose-volume relationships after irradiation of intraspinal gliomas. Kopelson G. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):925–9
Infratentorial glioblastoma: the role of neuraxis irradiation. Kopelson G, et al. **Int J Radiat Oncol Biol Phys** 1982 Jun; 8(6):999–1003
Chordoma. Saxton JP. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):913–5

SECONDARY

Cerebrospinal fluid and metastasis of transitional cell carcinoma of the bladder. Hust MH, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):217–23
Spinal leptomeningeal infiltration by systemic cancer: myelographic features. Kim KS, et al. **AJR** 1982 Aug; 139(2):361–5
Anterior decompression of the spine for metastatic epidural cord compression: a promising avenue of therapy? Siegal T, et al. **Ann Neurol** 1982 Jan;11(1):28–34
Myelography and cytology in the treatment of medulloblastoma. Deutsch M, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):721–5
Pineal region tumors: results of radiation therapy and indications for elective spinal irradiation. Griffin BR, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):605–8
Benefit from and tolerance to continuous intrathecal infusion of morphine for intractable cancer pain. Greenberg HS, et al. **J Neurosurg** 1982 Sep;57(3):360–4
Intradural extramedullary spinal metastasis. A report of 10 cases. Perrin RG, et al. **J Neurosurg** 1982 Jun;56(6):835–7
Spinal subdural metastatic adenocarcinoma: case report and literature review. Hirsh LF, et al. **Neurosurgery** 1982 May; 10(5):621–5
Carcinoembryonic antigen estimation in cerebrospinal fluid in patients with metastatic breast cancer. Dearnaley DP, et al. **Oncodev Biol Med** 1981;2(4):305–11
Metastases to the central nervous system. Davis JM, et al. **Radiol Clin North Am** 1982 Sep;20(3):417–35
Intramedullary spinal cord metastasis. Sebastian PR, et al. **Surg Neurol** 1981 Nov;16(5):336–9
Importance of early diagnosis and radiotherapy in spinal cord compression by metastatic neoplasms. Jame JM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1178–85
[Backache in patients with cancer] Ongerboer de Visser BW, et al. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):177–82 **(Dut)**
[Central nervous system metastases in small cell lung cancer] Joss R, et al. **Schweiz Med Wochenschr** 1981 Jan 10; 111(2):48–52 (Eng. Abstr.) **(Ger)**
[Extraneural metastasis of ependymoma—a case report and review of the literature (author's transl)] Itoh M, et al. **No Shinkei Geka** 1982 Jan;10(1):73–80 (Eng. Abstr.) **(Jpn)**
[Intramedullary spinal cord metastasis from lung cancer—a case report (author's transl)] Nishio S, et al. **No Shinkei Geka** 1981 Jul;9(8):969–73 (Eng. Abstr.) **(Jpn)**

SURGERY

'Primary' spinal epidural lymphomas. A clinico-pathological study. Rao TV, et al. **Acta Neurochir (Wien)** 1982; 62(3–4):307–17
Intramedullary epidermoid. Kumar S, et al. **Indian Pediatr** 1981 Aug;18(8):578–81
Cervical tumors of infancy and childhood. Giuffrè R, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):259–64
On some rare spreading cervical lesions. Pansini A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):255–7
Subpial spinal Lipomas. de Divitiis E, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):14–8
A case of pan-medullary astrocytoma in a child. Tedeschi G, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):27–30
Melanotic schwannoma of the spinal cord. Gregorios JB, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):57–60
Cervical intramedullary schwannoma. Shalit MN, et al. **Surg Neurol** 1981 Jul;16(1):61–4
The split notochord syndrome: a case report on a mixed spinal enterogenous cyst in a child with spina bifida cystica. Carachi R. **Z Kinderchir** 1982 Jan;35(1):32–4
[Intraspinal tumors in aged patients (author's transl)] Ding YJ. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):485–7 (Eng. Abstr.) **(Chi)**
[Cervical osteoplastic laminectomy for an intramedullary astrocytoma in an eight-year-old child (author's transl)] Busch G, et al. **Neurochirurgia (Stuttg)** 1981 Nov; 24(6):209–11 (Eng. Abstr.) **(Ger)**
[Delitala's narratives. A sad story. The year 1943] Delitala F. **Chir Organi Mov** 1978 Nov–Dec;64(6):687–9 **(Ita)**

ULTRASTRUCTURE

The fine structure of the isomorphic oligodendroglioma. Baloyannis S. **Anticancer Res** 1981;1(4):243–8
[Studies of experimental oligodendroglioma with special reference to the ultrastructure and immunohistochemical localization of S-100 protein, GFA protein and galactocerebroside (author's transl)] Takahashi K. **No To Shinkei** 1981 Jul;33(7):703–14 (Eng. Abstr.) **(Jpn)**

VETERINARY

Chordoma of the spinal cord in a F344 rat. Reznik G, et al. **Pathol Res Pract** 1981 Jul;172(1–2):191–5
Intramedullary spinal ependymoma in a dog. Zachary JF, et al. **Vet Pathol** 1981 Sep;18(5):697–700

SPINAL CORD SYPHILIS see **TABES DORSALIS**

SPINAL DISEASES

CHEMICALLY INDUCED

[Drug-induced flucrosis] Strohmeyer G, et al. **Z Rheumatol** 1981 May–Jun;40(3):138–41 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Quadriparesis in tophaceous gout. Sequeira W, et al. **Arthritis Rheum** 1981 Nov;24(11):1428–30
Acute osteomyelitis of the spine with paraplegia. David CV, et al. **Aust NZ J Surg** 1981 Dec;51(6):544–5
Spinal epidural extramedullary hematopoiesis with cord compression in a patient with refractory sideroblastic anemia. Case report. Heffez DS, et al. **J Neurosurg** 1982 Sep;57(3):399–406
The role of apophysial osteoarthritis in cervical radicular syndromes. Sanguinetti C, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):159–61
Diaphragm pacing in spinal muscular atrophy: case report. Richardson RR, et al. **Neurosurgery** 1981 Sep;9(3):317–9
Aneurysmal bone cyst of a vertebral body with acute paraplegia. Shacked I, et al. **Paraplegia** 1981;19(5):294–8
The straight back syndrome. Chia BL, et al. **Singapore Med J** 1981 Jun;22(3):109–16
[Paravertebral abscess penetrating into lung in patients with thoracico-vertebral tuberculosis (author's transl)] Wu QQ. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):463–5 (Eng. Abstr.) **(Chi)**
[Straight back syndrome—with an analysis of 50 cases (author's transl)] Zhou LY. **Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):419–21 **(Chi)**
[Diagnosis and treatment of abdominal pain of spinal origin (author's transl)] Zheng RX. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):463–6 **(Chi)**
[Neurasthenia and functional disorders of the spine (author's transl)] Sráček P, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):531–5 (Eng. Abstr.) **(Cze)**
[Pleuro-pulmonary disease and rigid spine syndrome (author's transl)] Abousamra S, et al. **Ann Med Interne (Paris)** 1981;132(3):202–4 (Eng. Abstr.) **(Fre)**
[Congestive cardiomyopathy associated with a stiff spinal column. 'Rigid spine syndrome'] Théry C, et al. **Arch Mal Coeur** 1981 Aug;74(8):985–91 (Eng. Abstr.) **(Fre)**
[A new case of the association of ankylosing vertebral hyperostosis and ossification of the common posterior vertebral ligament] Karras D, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):63–6 **(Fre)**
[Involvement of the spine in articular chondrocalcinosis] Villiaumey J, et al. **Sem Hop Paris** 1981 Oct 18–25; 57(39–40):1571–4 **(Fre)**
[Rigid spine syndrome. A rare combination with a neuromuscular affection] Lössner J, et al. **Beitr Orthop Traumatol** 1981 Aug;28(8):429–33 **(Ger)**
[The autoprojection of pain in the vertebragenous syndrome] Pfeiffer J. **Beitr Orthop Traumatol** 1982 Apr;29(4):208–12 (Eng. Abstr.) **(Ger)**
[Lumbosacral myeloradicular syndromes caused by anomalies of the dural sac] Bernabè G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):97–121 **(Ita)**
[Tinnitus as the first symptom of auricular disorders] Cernei VL, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar; 27(1):69–74 (Eng. Abstr.) **(Rum)**
[Pathogenesis of the syndrome of caudogenic intermittent claudication] Blagodatskii MD. **Zh Nevropatol Psikhiatr** 1982;82(4):20–5 (Eng. Abstr.) **(Rus)**

CONGENITAL

Lunato-triquetral fusion and associated spinal abnormality. Thakkar DH. **Hand** 1982 Feb;14(1):89–96
Congenital vertebral anomalies and the possible aetiological relationship with spina bifida. Lendon RG, et al. **Z Kinderchir** 1981 Dec;34(4):390–4

DIAGNOSIS

Lumbar intraspinal ganglion cyst: case reports. Eggert HR, et al. **Acta Neurochir (Wien)** 1981;59(3–4):263–6
Multiple primitive epidural spinal hydatid cysts: case report. Pluchino F, et al. **Acta Neurochir (Wien)** 1981; 59(3–4):257–62
Severe vertebral osteomyelitis in patients with spinal cord injury. Malik GM, et al. **Arch Intern Med** 1982 Apr; 142(4):807–8
Lumbar spinal stenosis [editorial] Critchley EM. **Br Med J [Clin Res]** 1982 May 29;284(6329):1588–9
Rheumatoid cervical myelopathy [editorial] McConkey B. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1731–2
Relationship of Chinese lumbar spine morphometry with lumbar vertebral canal stenosis. Jia BL, et al. **Chin Med J [Engl]** 1981 Jul;94(7):463–6
Intervertebral discitis in children and adolescents. Scoles PV, et al. **Clin Orthop** 1982 Jan–Feb;(162):31–6
Biopsy of the spine using a needle with a rigid guide wire. MacLarnon JC. **Clin Radiol** 1982 Mar;33(2):189–92
Discitis—a rare early symptom of ankylosing spondylitis. Mau G, et al. **Eur J Pediatr** 1981 Sep;137(1):85–8
Intervertebral disc calcification syndromes in children. Sonnabend DH, et al. **J Bone Joint Surg [Br]** 1982; 64(1):25–31
Spinal segmental dysfunction: incidence in cervicothoracic region. Johnston WL, et al. **JAOA** 1981 Sep;81(1):22–8
Two middle-aged men with abnormalities of the lumbar spine that simulated infection [letter] Resnick D. **Spine** 1982; 7(1):86–8
New concepts in diagnosis and treatment of back ailments in the elderly. Landherr EJ, et al. **Surg Clin North Am** 1982 Apr;62(2):291–5
Acute spinal epidural abscess. Report of 4 cases. Liu KN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):971–6
[Ultrasonic diagnosis of tuberculosis of vertebrae complicated by paravertebral or psoas abscess: with analysis of 81 cases (author's transl)] Ma HF. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):232–3 **(Chi)**
[Rigid-spine syndrome in a female patient (author's transl)] Mussini JM, et al. **Rev Neurol (Paris)** 1982;138(1):25–37 (Eng. Abstr.) **(Fre)**
[Spinal osteonecrosis in adults. Apropos of 4 cases] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):773–80 (Eng. Abstr.) **(Fre)**
[Significance of alkaptonuria in the differential diagnosis of degenerative spinal changes] Papp L, et al. **Beitr Orthop Traumatol** 1981 Aug;28(8):434–9 (Eng. Abstr.) **(Ger)**
[What is your roentgen diagnosis?] Campana L. **Praxis** 1981 Aug 18;70(34):1449–50 **(Ger)**
[Exostoses of the transverse processes of the cervical vertebrae: observations on 2 cases] La Terra F. **Chir Organi Mov** 1981;66(5):401–3 **(Ita)**
[The vertebral localization of arthrosis in helicopter personnel. Description of a clinical case] Lanciani P. **Minerva Med** 1981 Oct 6;72(38):2587–90 (Eng. Abstr.) **(Ita)**
[Device for plotting the contour of the human body] Savchenko VK. **Ortop Travmatol Protez** 1982 Apr;(4):48–9 **(Rus)**
[Acute hematogenic osteomyelitis of the spine in children] Kudriavtsev VA, et al. **Vestn Khir** 1982 May;128(5):93–6 (Eng. Abstr.) **(Rus)**
[Thermovision in the diagnosis of epidural spinal abscesses] Nikiforov BM, et al. **Zh Vopr Neirokhir** 1981 Sep–Oct; (5):14–7 (Eng. Abstr.) **(Rus)**
[A supplement of medical case records in the vertebrogenic syndrome] Zbojan L, et al. **Fysiatr Reumatol Vestn** 1981 Dec;59(6):338–41 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

The pain cocktail as an adjunctive agent in the treatment of spine pain patients. Rubin TN, et al. **Drug Intell Clin Pharm** 1981 Dec;15(12):958–63
[Epidural injection of prednisolone acetate for lumbar disk syndrome (author's transl)] Wu ZY. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):404–7 (Eng. Abstr.) **(Chi)**
[Treatment of lumbar intervertebral disc protrusion with prednisolone epidural block (author's transl)] Ma JK. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):536–9 (Eng. Abstr.) **(Chi)**
[Benoxaprofen in the treatment of spondylosis and spondylarthrosis (author's transl)] Hevelke G, et al. **MMW** 1981 Oct 9;123(41):1543–8 (Eng. Abstr.) **(Ger)**

[Double-blind comparative trial of lonazolac-Ca versus naproxen in spinal osteoarthrosis, coxarthrosis and gonarthrosis (author's transl)] Siegmeth W, et al. **Wien Klin Wochenschr** 1982 Mar 19;94(6):145–7 (Eng. Abstr.) **(Ger)**

[Trental treatment of spinal and radicular ischemic syndromes in spinal diseases] Kaz'min AI, et al. **Ortop Travmatol Protez** 1981 Dec;(12):5–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Occipito-cervical fusion in rheumatoid arthritis. De Groote W, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):685–98

Hypophosphataemic vitamin D-resistant rickets—a cause of spinal stenosis in adults. Masel JP, et al. **Australas Radiol** 1981 Nov;25(3):264–71

Spinal instability: orthopedic perspective and prevention. Bradford DS. **Clin Neurosurg** 1980;27:591–610 (75 ref.)

Aortic aneurysm producing back pain, bone destruction, and paraplegia. Rothschild BM, et al. **Clin Orthop** 1982 Apr; (164):123–5

Spinal disorders of dwarfism. Review of the literature and report of eighty cases. Bethem D, et al. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1412–25

Spine deformity subsequent to acquired childhood spinal cord injury. Mayfield JK, et al. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1401–11

Brucellosis of the spine. A report of 3 cases. Samra Y, et al. **J Bone Joint Surg [Br]** 1982;64(4):429–31

Incidence of spinal column deformity after multilevel laminectomy in children and adults. Yasuoka S, et al. **J Neurosurg** 1982 Oct;57(4):441–5

Postoperative lumbar canal stenosis due to anterior spinal fusion. Hirabayashi K, et al. **Keio J Med** 1981 Sep; 30(3):133–9

Erosion of vertebral pedicles by unusual vascular causes. Report of three cases. Brooks BS, et al. **Neuroradiology** 1982;23(2):107–12

Spine manifestations in essential cryoglobulinaemia. Weinberger A, et al. **Rheumatol Rehabil** 1982 Feb; 21(1):27–30

Hemispherical spondylosclerosis—a polyetiologic syndrome. Dihlmann W. **Skeletal Radiol** 1981;7(2):99–106

[Degradation below C1-C2 arthrodesis in rheumatoid polyarthritis] De Nayer P, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):699–703 (Eng. Abstr.) **(Fre)**

[Hyperparathyroidism and intervertebral disk] Dihlmann W. **ROFO** 1981 Sep;135(3):353 **(Ger)**

[Spinal changes caused by heavy physical work in foundry workers] Schieche M, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):821–4 **(Ger)**

[Surgical treatment of postradiation spinal deformity] Sabato S, et al. **Harefuah** 1981 Jun 15;100(12):555–8 (Eng. Abstr.) **(Heb)**

[Spinal deformity after surgery and radiotherapy of patients treated for Wilms' tumor, with an observation period of over 5 years] Bartolozzi P, et al. **Arch Putti Chir Organi Mov** 1981;31:73–81 (Eng. Abstr.) **(Ita)**

[Does arthrodesis of the hip risk damaging the nearby joints? Study of 75 cases] Bertini G, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):585–9 **(Ita)**

[Stenosis of the spinal canal caused by reparative osteogenesis after hemilaminoarthrectomy] Frignani R, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):519–22 **(Ita)**

[Ochronotic arthropathy. Presentation of a clinical case in the light of recent pathogenetic trends] Ippolito E, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):581–6 **(Ita)**

[Post-surgical diskitis] Moroni A, et al. **Chir Organi Mov** 1981;66(5):371–6 (Eng. Abstr.) **(Ita)**

[[Clinical and experimental study on the genesis of lumbar spinal stenosis (author's transl)] Nasu M. **Nippon Seikeigeka Gakkai Zasshi** 1981 May;55(5):467–77 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Are congenital vertebral anomalies and spina bifida cystica aetiologically related? Lendon RG, et al. **J Med Genet** 1981 Dec;18(6):424–7

[Genetic study of ossification of the spinal ligaments -hereditary factors for ankylosing hyperostosis (author's transl)] Seto N, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jun;55(6):581–8 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Circulating immune complexes in the seronegative spondyloarthropathies. Espinoza LR, et al. **Clin Immunol Immunopathol** 1982 Mar;22(3):384–93

[Diagnosis of body hypersensitivity to x-ray contrast preparations in spinal osteochondrosis] Khvisiuk NI, et al. **Ortop Travmatol Protez** 1981 Dec;(12):48–50 **(Rus)**

[Body immunological reactivity in spinal osteochondrosis] Pshetakovskiĭ IL, et al. **Vopr Revm** 1981 Apr–Jun;(2):53–5 (Eng. Abstr.) **(Rus)**

[Humoral factors of natural immunity in patients with neurologic manifestations of lumbar osteochondrosis] Latysheva VIa. **Zh Nevropatol Psikhiatr** 1982;82(4):30–4 (Eng. Abstr.) **(Rus)**

METABOLISM

The relation between bone mineral content, experimental compression fractures, and disc degeneration in lumbar vertebrae. Hansson T, et al. **Spine** 1981 Mar–Apr; 6(2):147–53

MICROBIOLOGY

Intervertebral discitis: incidence, diagnosis, and management. Onofrio BM. **Clin Neurosurg** 1980;27:481–516

OCCURRENCE

The ossification of the posterior longitudinal ligament of the spine (OPLL). The Investigation Committee on OPLL of the Japanese Ministry of Public Health and Welfare. **Nippon Seikeigeka Gakkai Zasshi** 1981 Apr;55(4):425–40

[Orthopedic diseases and deformities in Vienna. Results of the 'Vienna Health Study 1979'] Biron F, et al. **Wien Med Wochenschr** 1981;131(21):533–8 **(Ger)**

[Clinico-radiological study of the spinal column in pilots of Italian civil airlines] Luca F, et al. **Minerva Med** 1982 Aug 25;73(32–33):2107–14 **(Ita)**

PATHOLOGY

Rheumatoid and other diseases of the cervical interspinous bursae, and changes in the spinous processes. Bywaters EG. **Ann Rheum Dis** 1982 Aug;41(4):360–70

Ganglion cyst of the spinal canal. Case report. Maresca L, et al. **J Neurosurg** 1982 Jul;57(1):140–2

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 12–1982. Low-back pain and fever in a 71-year-old man. **N Engl J Med** 1982 Mar 25;306(12):729–37

Thoracic intervertebral discitis in rheumatoid arthritis due to costovertebral joint involvement. Bywaters EG. **Rheumatol Int** 1981;1(2):83–97

[Spinal involvement in chronic polyarthritis] Trost H. **Schweiz Med Wochenschr** 1982 Jun 19;112(25):878–83 (Eng. Abstr.) **(Ger)**

[Measurement of the lumbosacral angle and its clinical significance] Bene E. **Z Rheumatol** 1981 May–Jun; 40(3):149–52 (Eng. Abstr.) **(Ger)**

[Spinal changes in relation to age, body weight and occupational stress] Brückner L, et al. **ZFA (Dresden)** 1982 May–Jun;37(3):157–60 **(Ger)**

[Actinomycotic spinal epidural granuloma. A case report (author's transl)] Shibata T, et al. **Neurol Med Chir (Tokyo)** 1982 Feb;22(2):167–9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Rates of new bone formation in patients with crush fracture osteoporosis. Reeve J, et al. **Clin Sci** 1982 Aug;63(2):153–60

[Clinical application of the evoked spinal cord potentials. Part 2: Neurophysiological assessment of the evoked spinal cord potentials in cervical lesion (author's transl)] Sudo N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1649–59 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

[Prevention of degenerative disorders of the spine] Fučkan-Perin A. **Reumatizam** 1981;28(5):154–7 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

[Psychological factors in painful vertebral syndromes] Buran I, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):236–41 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Analysis of operated cases with lumbar renal stenosis. Johnsson KE, et al. **Acta Orthop Scand** 1981 Aug; 52(4):4.7-33

CT diagnosis of spinal epidural hematoma. Post MJ, et al. **AJNR** 1982 Mar–Apr;3(2):190–2

Gower's sign in diskitis. Kelfer H, et al. **Am J Dis Child** 1982 Jun;136(6):555–6

Radiological study of the sacroiliac joints in vertebral ankylosing hyperostosis. Brigode M, et al. **Ann Rheum Dis** 1982 Jun;41(3):225–31

Computed tomography in degenerative spinal stenosis. McAfee PC, et al. **Clin Orthop** 1981 Nov–Dec;(161):221–34

A rare form of solitary osteocartilaginous exostosis from anterior iliac spine: report of two cases. Jeshrani MK, et al. **Diagn Imaging** 1982 Jan–Feb;51(1):25–7

CT scanning versus myelography in the diagnosis of lumbar stenosis. A preliminary report. Postacchini F, et al. **Int Orthop** 1981;5(3):209–15

Hydatid cysts of the spine. Giordano GB, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):408–9

Prevention of adverse reactions to Amipaque in cervical myelography. Report of a homogeneous series of 380 patients. Legré J, et al. **J Neuroradiol** 1981;8(4):353–61 **(Eng, Fre)**

Are routine spine films on workers in industry cost- or risk-benefit effective? Rowe ML. **JOM** 1982 Jan;24(1):41–3

Blistering of the odontoid process by meningioma. Ghoshhajra K. **Neuroradiology** 1982;23(3):163–4

Adhesive arachnoiditis in patients with spinal block. Skalpe IO, et al. **Neuroradiology** 1982;22(5):243–5

Morphological studies of ossification of the posterior longitudinal ligament by computed tomography. Tanaka H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25;41(11):1048–53

Candida infection in a premature infant presenting as discitis. Diament MJ, et al. **Pediatr Radiol** 1982;12(2):96–8

Applications and limitations of computed tomography of the spine. Cacayorin ED, et al. **Radiol Clin North Am** 1982 Mar;20(1):185–206

Computed tomography of the pediatric spine: a protocol for the 1980's. Harwood-Nash DC. **Radiol Clin North Am** 1981 Sep;19(3):479–94 (22 ref.)

Vertebral hydatid disease: radiological assessment. Braithwaite PA, et al. **Radiology** 1981 Sep;140(3):763–6

Ossification of spinal ligaments causing thoracic radiculomyelopathy. Miyasaka K, et al. **Radiology** 1982 May;143(2):463–8

Ossification of the thoracic posterior longitudinal ligament in a fixed population. Radiological and neurological manifestations. Ono M, et al. **Radiology** 1982 May; 143(2):469–74

Computed tomographic appearance of the bulging annulus. Williams AL, et al. **Radiology** 1982 Feb;142(2):403–8

Case report 197: cervical actinomycosis with spinal involvement. Crank RN, et al. **Skeletal Radiol** 1982; 8(2):164–7

Gout in the spine and sacro-iliac joints: radiological manifestations. Jajić I. **Skeletal Radiol** 1982;8(3):209–12

Case report 159. Song IS, et al. **Skeletal Radiol** 1981; 6(4):299–301

[The importance of the scanner in spine pathology. Contribution to the diagnosis of spinal canal stenoses] Massare C. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):675–84 **(Fre)**

[Calcification of intervertebral discs in children. A review of six personal observations (author's transl)] Henrion F, et al. **Ann Pediatr (Paris)** 1982 May;29(5):343–8 (Eng. Abstr.) **(Fre)**

[The intravertebral vacuum phenomenon: vertebral osteonecrosis or simple osteoporotic compression. Apropos of 4 cases] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):35–7 **(Fre)**

[Avascular vertebral necrosis in adults (author's transl)] Jammet P, et al. **Sem Hop Paris** 1982 Feb 18;58(7):414–6 (Eng. Abstr.) **(Fre)**

[Post-traumatic intervertebral disk calcinosis - differential diagnosis of cervical vertebrae fracture] Friedel B, et al. **Beitr Orthop Traumatol** 1981 Jul;28(6):323–6 (Eng. Abstr.) **(Ger)**

[Complications and side-effects of contrast radiography of the spinal column used in clinical orthopedic diagnosis] Hörenz LV, et al. **Beitr Orthop Traumatol** 1981 Jul; 28(7):389–95 (Eng. Abstr.) **(Ger)**

[Lumbar spino-osseovenography—importance in diagnostics] Jungmichel D, et al. **Beitr Orthop Traumatol** 1981 Jul;28(7):381–5 (Eng. Abstr.) **(Ger)**

[Experience with Dimer-X myelography] Mayer G, et al. **Beitr Orthop Traumatol** 1981 Jul;28(7):386–9 (Eng. Abstr.) **(Ger)**

[The indications for neuroradiologic examination methods after the introduction of computer tomography] Seidel K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul; 33(7):385–8 (Eng. Abstr.) **(Ger)**

[On the indication of spinal computer tomography (author's transl)] Molsen HP, et al. **Radiol Diagn (Berl)** 1981; 22(3):279–82 (Eng. Abstr.) **(Ger)**

[Rotation of the spinal process—a diagnostically useful sign in anomalies of the pars interarticularis? —(author's transl)] Lorenz R, et al. **Rontgenblatter** 1982 Jul;35(7):275–6 (Eng. Abstr.) **(Ger)**

[Myelography with water-soluble contrast media in the diagnosis of space-occupying spinal lesions] Schmidt RC. **Rontgenpraxis** 1982 May;35(5):166–73 **(Ger)**

[The value of computer tomography in disorders of the spinal column (author's transl)] Caro G. **Ther Umsch** 1982 Jan; 39(1):41–6 (Eng. Abstr.) **(Ger)**

[Analysis of the symptomatological findings after sacculo-radiculography with Dimer-X (clinico-statistical study of 100 consecutive cases] Grasso A, et al. **Arch Putti Chir Organi Mov** 1981;31:83–100 **(Ita)**

[Computerized tomography in the diagnosis of locomotor apparatus diseases] Melis GC, et al. **Chir Organi Mov** 1981; 66(2):207–18 (Eng. Abstr.) **(Ita)**

[Discography—cervical and lumbar discography] Hirabayashi K. **Nippon Seikeigeka Gakkai Zasshi** 1981 Aug; 55(8):793–805 **(Jpn)**

[Selective radiculography and block (author's transl)] Tajima K. **Nippon Seikeigeka Gakkai Zasshi** 1982 Jan;56(1):71–90 **(Jpn)**

[Computed tomography of the spinal disorders (author's transl)] Okubo K, et al. **Rinsho Hoshasen** 1981 May; 26(5):531–6 (Eng. Abstr.) **(Jpn)**

[Radiological aspects of periradicular cysts and meningeal diverticula in the lumbosacral segment (author's transl)] Gajewicz M, et al. **Pol Przegl Radiol** 1981 Mar–Apr; 45(2):77–80 (Eng. Abstr.) **(Pol)**

[Cervical spine changes in rheumatoid arthritis] Zborowski T, et al. **Reumatologia** 1981;19(2):197–202 (Eng. Abstr.) **(Pol)**

[X-ray diagnosis of posttraumatic degenerative-dystrophic changes in the spine] Novikov VP.

Vestn Rentgenol Radiol 1982 May-Jun;(3):13-7 (Eng. Abstr.) (Rus)

[Differential diagnosis of anterior cartilagenous nodules in the lumbar vertebral bodies and tuberculosis and hematogenic osteomyelitis of the spine in children and adolescents] Sizov VA. Vestn Rentgenol Radiol 1982 May-Jun;(3):17-24 (Eng. Abstr.) (Rus)

[Calcification of the intervertebral disks in the child. Apropos of a case] Fernández Lorite A, et al. An Esp Pediatr 1981 Dec;15(6):598-601 (Spa)

[Intervertebral disk infection in children (author's transl)] López Ros S, et al. An Esp Pediatr 1982 Feb;16(2):176-80 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

Acute spinal cord diseases in childhood [letter] Dev Med Child Neurol 1982 Jun;24(3):395-6

Bone scan evaluation of degenerative joint disease of the spine. Lin DS, et al. Int J Nucl Med Biol 1982;9(1):63-4

REHABILITATION

[New aspects in the treatment of vertebral syndromes] Zysno EA, et al. Med Welt 1981 Nov 6;32(45):1700-2 (Ger)

[Reflexotherapy in the rehabilitation of spinal osteochondrosis patients] Shapkin VI, et al. Voen Med Zh 1982 May;(5):58-60 (Rus)

SURGERY

Multiple operations for a lumbar disc lesion. Selecki BR, et al. Aust NZ J Surg 1982 Jun;52(3):230-5

Chemonucleolysis v. disc surgery [letter] Rosen HJ. Can Med Assoc J 1981 Aug 1;125(3):244, 246

Cervical spondylosis: natural history and rare indications for surgical decompression. Hunt WE. Clin Neurosurg 1980; 27:466-80

The application of anatomy and pathophysiology in the management of lumbar spine disease. Weinstein PR. Clin Neurosurg 1980;27:517-40 (95 ref.)

The Carshalton halo-pelvic distraction apparatus. Rodwell TR. Eng Med 1982 Apr;11(2):89-94

The surgical alternatives in cervical diskarthrosis therapy. Tedeschi G, et al. J Neurosurg Sci 1981 Jul-Dec; 25(3-4):183-202

Enlargement of the lumbar vertebral canal in lumbar canal stenosis. Kawai S, et al. Spine 1981 Jul-Aug;6(4):381-7

The anatomic basis and development of segmental spinal instrumentation. Luque ER. Spine 1982 May-Jun; 7(3):256-9

Aggressive surgical treatment of secondary spinal deformity in spina bifida children--is it worthwhile? Channon GM, et al. Z Kinderchir 1981 Dec;34(4):395-8

[Spinal epidural abscess: report of 15 cases (author's transl)] Li FT. Chung Hua Wai Ko Tsa Chih 1980 Apr;18(2):154-6 (Chi)

[Lumbar canal stenosis: analysis of 61 cases (author's transl)] Li GY. Chung Hua Wai Ko Tsa Chih 1980 Apr;18(2):148-50 (Chi)

[Vertebrectomy in the tumoral, inflammatory and traumatic spine] Lokietek W. Acta Orthop Belg 1981 Jul-Oct; 47(4-5):705-20 (Eng. Abstr.) (Fre)

[The surgical treatment of calcification of thoracic or lumbar discs in adults (author's transl)] Crock HV. Rev Chir Orthop 1982;68(3):171-7 (Eng. Abstr.) (Fre)

[Calcinosis intervertebralis juvenilis] Fagula J, et al. Rozhl Chir 1980 Nov;59(11):763-5 (Eng. Abstr.) (Slo)

THERAPY

Lumbar disc disease [letter] McIntosh J, et al. Arch Phys Med Rehabil 1982 Jan;63(1):47-8

[Tractions and vertebral manipulations in functional readaptation (author's transl)] Konings L. J Belge Med Phys Rehabil 1981;4(1):15-40 (Fre)

[The spine] Z Orthop 1981 Dec;119(6):809-24 (Ger)

[Physical and kinesitherapy of lumbosacral pain] Iocco M, et al. Chir Organi Mov 1979 Nov-Dec;65(6):735-40 (Ita)

[Manual therapy results with patients with acute spinal pain] Gruntovskii GKh, et al. Ortop Travmatol Protez 1982 Feb; (2):16-9 (Rus)

[Changes in peripheral hemodynamics in patients with vertebrogenic pain syndromes during reflexotherapy] Nikolaev NA. Zh Nevropatol Psikhiatr 1982;82(4):45-9 (Eng. Abstr.) (Rus)

[Results of treatment of the lumboischiadic root syndrome] Drobný M, et al. Cesk Neurol Neurochir 1981 Nov; 44(6):354-62 (Eng. Abstr.) (Slo)

VETERINARY

Disorders of the spinal cord and spine of the geriatric patient. Walker TL, et al. Vet Clin North Am [Small Anim Pract] 1981 Nov; 11(4):765-86 (32 ref.)

Pulmonary emboli of nucleus pulposus accompanying degeneration of intervertebral disks in ranch mink. Hadlow WJ. Vet Pathol 1982 Jul;19(4):444-7

SPINAL FUSION

see related
LAMINECTOMY

Anterior cervical discectomy without interbody fusion: an analysis of 81 cases. Cuatico W. Acta Neurochir (Wien) 1981;57(3-4):269-74

Intercostal nerves to spinal nerve roots anastomosis (spinal cord bypass) and Harrington rod fusion in traumatic paraplegia--technical note. Patil A. Acta Neurochir (Wien) 1981;57(3-4):299-303

Subjective postoperative results in cervical spondylotic myelopathy. Vaquero J, et al. Acta Neurochir (Wien) 1982; 62(1-2):95-100

Anterior decompression and fusion for thoracolumbar fractures with neurological deficits. Young B, et al. Acta Neurochir (Wien) 1981;57(3-4):287-98

Anterior interbody fusion of the lumbar spine. Raugstad TS, et al. Acta Orthop Scand 1982 Aug;53(4):561-5

Long-term results in lumbosacral interbody fusion for spondylolisthesis. van Rens TJ, et al. Acta Orthop Scand 1982 Jun;53(3):383-92

Radiologic evaluation of surgical cervical spine fusion. Foley MJ, et al. AJR 1982 Jan;138(1):79-89

Anaesthetic considerations in patients with muscular dystrophy undergoing spinal fusion and Harrington rod insertion. Milne B, et al. Can Anaesth Soc J 1982 May; 29(3):250-4

Anterior lumbar interbody fusion: indications for its use and notes on surgical technique. Crock HV. Clin Orthop 1982 May;(165):157-63

The results of 150 anterior lumbar interbody fusion operations performed by two surgeons in Australia. Fujimaki A, et al. Clin Orthop 1982 May;(165):164-7

Nutritional changes in the canine intervertebral disc after spinal fusion. Holm S, et al. Clin Orthop 1982 Sep; (169):243-58

Cervical fusion in rheumatoid arthritis. Conaty JP, et al. J Bone Joint Surg [Am] 1981 Oct;63A(8):1218-27

Surgical treatment of paralytic scoliosis associated with myelomeningocele. Osebold WR, et al. J Bone Joint Surg [Am] 1982 Jul;64(6):841-56

A 10-year assessment of a controlled trial comparing debridement and anterior spinal fusion in the management of tuberculosis of the spine in patients on standard chemotherapy in Hong Kong. Eighth Report of the Medical Research Council Working Party on Tuberculosis of the Spine. J Bone Joint Surg [Br] 1982;64(4):393-8

Longterm follow-up of posterior cervical fusion for atlanto-axial subluxation in rheumatoid arthritis. Awerbuch MS, et al. J Rheumatol 1981 May-Jun;8(3):423-32

An unusual pediatric orthopedic problem: subluxation of the cervical spine. Embury SP. Nebr Med J 1982 Feb;67(2):34

An objective assessment of operative fusions of the lumbo-sacral spine. Damrel D, et al. Physiotherapy 1981 Jun;67(6):164-7

Spinal instrumentation and fusion for idiopathic scoliosis in a renal-transplant patient: a case report. Dunn HK, et al. Spine 1982 Mar-Apr;7(2):177-9

Repeat lumbar surgery. A review of patients with failure from previous lumbar surgery treated by spinal canal exploration and lumbar spinal fusion. Lehmann TR, et al. Spine 1981 Nov-Dec;6(6):615-9

[Injuries of the cervical spine between C2 and C7 without medullary lesions (author's transl)] Decoulx P. Rev Chir Orthop 1981;67(3):395-405 (Eng. Abstr.) (Fre)

[Results of posterolateral spinal fusion on spondylolisthesis (author's transl)] Siguda P. Z Orthop 1981 Feb;119(1):123-5 (Eng. Abstr.) (Ger)

[Surgical treatment of postradiation spinal deformity] Sabato S, et al. Harefuah 1981 Jun 15;100(12):555-8 (Eng. Abstr.) (Heb)

[Post-operative clinical and radiographical study on the partial vertebrectomy and fusion of the cervical spine (author's transl)] Ikehata K. Nippon Geka Hokan 1982 Jan 1;51(1):118-43 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

Reduction of spondylolisthesis with severe slipping. Vercauteren M, et al. Acta Orthop Belg 1981 Jul-Oct; 47(4-5):502-11

The wake-up technique as a dual protector of spinal cord function during spine fusion. Jones ET, et al. Clin Orthop 1982 Aug;(168):113-8

Sexual complications few after lumbosacral fusion [news] Macek C. JAMA 1982 Mar 12;247(10):1390

Postoperative lumbar canal stenosis due to anterior spinal fusion. Hirabayashi K, et al. Keio J Med 1981 Sep; 30(3):133-9

Widened epidural space after spinal fusion. Grossman RI, et al. Neurosurgery 1981 Jun;8(6):720-3

Chylothorax: an unusual complication of anterior thoracic interbody spinal fusion. Colletta AJ, et al. Spine 1982; 7(1):46-9

Acquired pelvic obliquity. A case report. Morley DC Jr, et al. Spine 1981 Mar-Apr;6(2):189-90

Sequelae of atlantoaxial stabilization in two patients with Down's syndrome. Nordt JC, et al. Spine 1981 Sep-Oct; 6(5):437-40

[Degradation below C1-C2 arthrodesis in rheumatoid polyarthritis] De Nayer P, et al. Acta Orthop Belg 1981 Jul-Oct;47(4-5):699-703 (Eng. Abstr.) (Fre)

[Phenomena of corrosion and fatigue of the Harrington rod and behavior of the host tissue] Aulisa L, et al. Arch Putti Chir Organi Mov 1980;30:259-66 (Eng. Abstr.) (Ita)

INSTRUMENTATION

Segmental spinal instrumentation for correction of scoliosis. Luque ER. Clin Orthop 1982 Mar;(163):192-8

Paralytic scoliosis in growing children. Luque ER. Clin Orthop 1982 Mar;(163):202-9

Dwyer Instrumentation in anterior fusion of the spine. Hall JE. J Bone Joint Surg [Am] 1981 Sep;63A(7):1188-90

A transverse bar system to supplement Harrington distraction instrumentation in scoliosis. A radiological study during operation. Ransford AO, et al. J Bone Joint Surg [Br] 1982; 64(2):226-7

[The scintigraphic diagnosis of pseudo-arthroses following Harrington's spondylodesis (author's transl)] Bostel F, et al. ROFO 1982 Jan;136(1):21-6 (Eng. Abstr.) (Ger)

[The problem of dorsal spondylodesis while using traction rods (author's transl)] Thomas W. Z Orthop 1981 Oct; 119(5):535-9 (Eng. Abstr.) (Ger)

[Phenomena of corrosion and fatigue of the Harrington rod and behavior of the host tissue] Aulisa L, et al. Arch Putti Chir Organi Mov 1980;30:259-66 (Eng. Abstr.) (Ita)

METHODS

Tuberculous spondylitis. Experience with costovertebrotomy--spondylodesis. Riskó T, et al. Acta Chir Acad Sci Hung 1980;21(1):99-102

Treatment of severe cervical spine injuries by anterior interbody fusion with early mobilization. Svendgaard NA, et al. Acta Neurochir (Wien) 1982;60(1-2):91-105

Occipito-cervical fusion in rheumatoid arthritis. De Groote W, et al. Acta Orthop Belg 1981 Jul-Oct;47(4-5):685-98

Anterior cervical spine fusion in treatment of cervicobrachialgia. Kooijman MA, et al. Acta Orthop Belg 1981 Jan-Feb;47(1):140-9

Surgery for scoliosis in congenital factor VII deficiency. Greene WB, et al. Am J Dis Child 1982 May;136(5):411-13

Posterior fusions of the cervical spine. Alexander E Jr. Clin Neurosurg 1981;28:273-96

The present status of spinal fusion in the treatment of lumbar intervertebral joint disorders. Farfan HF, et al. Clin Orthop 1981 Jul-Aug;(158):198-214

Combined anterior and posterior fusion in seventy-three spinally deformed patients: indications, results and complications. Floman Y, et al. Clin Orthop 1982 Apr; (164):110-22

Experimental spinal fusion with decalcified bone matrix and deep-frozen allogeneic bone in rabbits. Oikarinen J. Clin Orthop 1982 Jan-Feb;(162):210-8

A new surgical approach to stabilizing C1-2 subluxation in rheumatoid arthritis. de los Reyes RA, et al. Henry Ford Hosp Med J 1981;29(3):127-30

Anterior interbody fusion in fractures and fracture-dislocations of the spine. Moon MS, et al. Int Orthop 1981;5(2):143-9

A comparison of the long term results of three types of posterior fusion of the lumbar spine for spondylolisthesis. Suezawa Y, et al. Int Orthop 1981;5(4):291-7

Anterior lumbar spine fusions revisited. Grimes HA. J Arkansas Med Soc 1982 May;78(12):487-8

One-stage decompression and posterolateral and interbody fusion for lumbosacral spondyloptosis through a posterior approach. Report of two cases. Bohlman HH, et al. J Bone Joint Surg [Am] 1982 Mar;64(3):415-8

Anterior strut-grafting for the treatment of kyphosis. Review of experience with forty-eight patients. Bradford DS, et al. J Bone Joint Surg [Am] 1982 Jun;64(5):680-90

The results of spinal arthrodesis for congenital spinal deformity in patients younger than five years old. Winter RB, et al. J Bone Joint Surg [Am] 1982 Mar;64(3):419-32

Cine radiography in cervical spondylosis as a means of determining the level for anterior fusion. Brunton FJ, et al. J Bone Joint Surg [Br] 1982;64(4):399-404

The evaluation of Kiel bone in spinal fusions. McMurray GN. J Bone Joint Surg [Br] 1982;64(1):101-4

Assessment of bony union after interbody fusion of the lumbar spine using a biplanar radiographic technique. Pearcy M, et al. J Bone Joint Surg [Br] 1982;64(2):228-32

Long-term results of intersomatic fusion surgery at multiple levels. Merli GA, et al. J Neurosurg Sci 1981 Jul-Dec; 25(3-4):211-6

Treatment of lumbar lytic spondylolisthesis using osteoperiosteal transplants in young patients. Osterman K, et al. J Pediatr Orthop 1981;1(3):289-94

Posterior methylmethacrylate fixation for cervical trauma. Eismont FJ, et al. Spine 1981 Jul-Aug;6(4):347-53

Combined anterior and posterior fusion for Scheuermann's kyphosis. Herndon WA, et al. Spine 1981 Mar-Apr; 6(2):125-30

Experience with an intraoperative autogenous blood recovery system in scoliosis and spinal surgery. Lehner JT, et al. Spine 1981 Mar-Apr;6(2):131-3

Severe spine deformity in myelodysplasia and sacral agenesis: an aggressive surgical approach. Mayfield JK. Spine 1981 Sep-Oct;6(5):498-509

Cervical Interbody fusion using calf bone. Siqueira EB, et al. Surg Neurol 1982 Jul;18(1):37-9

[Biomechanics of lumbar arthrodesis] Blaimont P, et al. Acta Orthop Belg 1981 Jul-Oct;47(4-5):605-18 (Eng. Abstr.) (Fre)

[Lumbosacral panarthrodesis using the crab plate. Apropos of 110 cases] Cabot JR, et al. Acta Orthop Belg 1981

Jul-Oct;47(4-5):657-66 (Fre)
[Intersomatic lumbar arthrodesis by posterior approach (Cloward) in the treatment of lumbago] Fassio B, et al. **Acta Orthop Belg** 1981 Jul-Oct;47(4-5):667-71 (Fre)
[Results of postero-lateral grafts in the lumbosacral vertebrae] Gerard Y, et al. **Acta Orthop Belg** 1981 Jul-Oct; 47(4-5):636-42 (Fre)
[Place of anterior intersomatic arthrodesis in the treatment of lumbago. Results and discussion of a homogeneous series of 178 cases] Ghosez JP, et al. **Acta Orthop Belg** 1981 Jul-Oct;47(4-5):643-56 (Eng. Abstr.) (Fre)
[Stable arthrodesis of the lumbo-sacral vertebrae in the management of spondylolisthesis] Munzinger U, et al. **Acta Orthop Belg** 1981 Jul-Oct;47(4-5):468-78 (Fre)
[Surgical treatment of spondylolisthesis L5-S1. 12 years' experience in instrument reduction using the Harrington method] Vidal J, et al. **Acta Orthop Belg** 1981 Jul-Oct; 47(4-5):487-501 (Fre)
[Postero-lateral arthrodesis of the lumbar spine. Long-term results] Vincent A, et al. **Acta Orthop Belg** 1981 Jul-Oct; 47(4-5):619-35 (Eng. Abstr.) (Fre)
[Treatment of idiopathic scoliosis by the Harrington technique. Experience from the Ste-Justine Hospital, Montreal] Duhaime M, et al. **Chir Pediatr** 1982 Jan-Feb; 23(1):17-22 (Eng. Abstr.) (Fre)
[Value of anterior arthrodesis in the treatment of fractures of the pedicles of the axis (author's transl)] Vichard P, et al. **J Chir (Paris)** 1981 Oct;118(10):565-72 (32 ref.) (Eng. Abstr.) (Fre)
[A one-stager procedure in operative treatment of spondylolistheses: dorsal traction-reposition and anterior fusion (author's transl)] Harms J, et al. **Z Orthop** 1982 May-Jun;120(3):343-7 (Eng. Abstr.) (Ger)
[First results of the Luque operation (author's transl)] Metz P, et al. **Z Orthop** 1982 May-Jun;120(3):333-7 (Eng. Abstr.) (Ger)
[On the problem of ventral spondylodesis at the lumbar vertebral column (author's transl)] von Salis-Soglio GF. **Z Orthop** 1981 Aug;119(4):356-9 (Eng. Abstr.) (Ger)
[Ventral derotation spondylodesis. Results of treatment of cases of idiopathic lumbar scoliosis (author's (author's transl)] Zielke K. **Z Orthop** 1982 May-Jun;120(3):320-9 (Eng. Abstr.) (Ger)
[Alumina-ceramics (Bioceram) as the implant material in anterior cervical fusion (author's transl)] Oda Y, et al. **Nippon Geka Hokan** 1981 Mar 1;50(2):352-7 (Eng. Abstr.) (Jpn)
[Treatment of cervical syndromes in spinal osteophytosis by decompression and anterior fusion] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):345-8 (Eng. Abstr.) (Pol)
[Radiological changes after anterior spondylodesis and replacement of bone cavities with allotransplants free of bone marrow] Salmagambetov IU, et al. **Probl Tuberk** 1981 Sep;(9):36-9 (Eng. Abstr.) (Rus)
[Attached rib grafts used in anterior spondylodesis] Guseva VN, et al. **Vesta Khir** 1982 May;128(5):106-11 (Eng. Abstr.) (Rus)

SPINAL INJURIES

COMPLICATIONS

Spinal instability: orthopedic perspective and prevention. Bradford DS. **Clin Neurosurg** 1980;27:591-610 (75 ref.)
Cervical spinal subdural hematoma. Paredes ES, et al. **Surg Neurol** 1981 Jun;15(6):477-9
[On the extent of decompression for spinal fractures complicated with paraplegia (author's transl)] Hu YJ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):543-5 (Eng. Abstr.) (Chi)
[Acute arachnoid cysts in traumatic vertebro-medullary pathology (author's transl)] Chabannes J, et al. **Neurochirurgie** 1981;27(2):115-20 (Eng. Abstr.) (Fre)
[Post-fracture pseudo-spondylodiskitis in ankylosing spondylitis] Saporta L, et al. **Rev Rhum Mal Osteoartic** 1981 Jul-Sep;48(7-9):587-90 (Fre)
[Delitala's narratives. A sad story. The year 1943] Delitala F. **Chir Organi Mov** 1978 Nov-Dec;64(6):687-9 (Ita)
[Specific features of spinal injuries in elderly patients] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):459-63 (Pol)
[X-ray diagnosis of posttraumatic degenerative-dystrophic changes in the spine] Novikov VP. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):13-7 (Eng. Abstr.) (Rus)
[Clinical picture and diagnosis of a myotonic syndrome in children resulting from birth injury] Ratner AIu, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1461-6 (Eng. Abstr.) (Rus)

DIAGNOSIS

[Severe spinal trauma in children (author's transl)] Penneçot GF, et al. **Ann Chir** 1981 Sep;35(7):506-12 (Eng. Abstr.) (Fre)
[Spinal lesions following modified exercises in adolescent high performance gymnasts] Falter EW, et al. **Fortschr Med** 1981 Feb 5;99(5):145-8 (Eng. Abstr.) (Ger)
[Combined vertebro-abdominal injury and the pseudoperitoneum syndrome] Gorshkov SZ, et al. **Sov Med** 1982;(2):100-3 (Rus)
[Diagnosis of uncomplicated compression fractures of the spine in children] Isakov IuF, et al. **Vestn Khir** 1982 May; 128(5):89-93 (Eng. Abstr.) (Rus)
[Clinico-x-ray-electrophysiologic evaluation of the sequelae of vertebrospinal injuries] Kamalov II, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):18-23 (Eng. Abstr.) (Rus)

ETIOLOGY

Bone rarefaction and crush fractures in juvenile chronic arthritis. Elsasser U, et al. **Arch Dis Child** 1982 May; 57(5):377-80
Mechanism of vertebral fracture in the F/FB-111 ejection experience. Hearon BF, et al. **Aviat Space Environ Med** 1982 May;53(5):440-8
Laceration of the aorta complicating spinal fracture in ankylosing spondylitis. Fazl M, et al. **Neurosurgery** 1981 Jun;8(6):732-4
[Horizontal split fractures of the spine (author's transl)] Yu ZJ. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):174-6 (Eng. Abstr.) (Chi)
[The mechanics of whiplash injury of the cervical spine (author's transl)] Saternus KS. **Z Rechtsmed** 1982; 88(1-2):1-11 (Eng. Abstr.) (Ger)
[Road traffic accidents as a cause of spinal injuries] Kiwerski J. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):529-33 (Eng. Abstr.) (Pol)

METABOLISM

Spinal injury and thyrotrophin-releasing hormone [editorial] **S Afr Med J** 1981 Dec 12;60(24):917-8

OCCURRENCE

Epidemiology of postmenopausal spinal and long bone fractures. A unifying approach to postmenopausal osteoporosis. Jensen GF, et al. **Clin Orthop** 1982 Jun; (166):75-81
Road traffic injuries in Sharjah. Weddell JM, et al. **Int J Epidemiol** 1981 Jun;10(2):155-9
Sports injuries to the central nervous system. Hitchcock ER, et al. **J R Coll Surg Edinb** 1982 Jan;27(1):46-9
Effect of the fluoride/calcium regimen on vertebral fracture occurrence in postmenopausal osteoporosis. Comparison with conventional therapy. Riggs BL, et al. **N Engl J Med** 1982 Feb 25;306(8):446-50
Spinal fractures and dislocations in children and adolescents. McPhee IB. **Spine** 1981 Nov-Dec;6(6):533-7
[Cranio-vertebral injuries in an aeromedical milieu] Cattani F. **Minerva Med** 1982 Aug 25;73(32-33):2101-6 (Ita)

PATHOLOGY

[Significance of bone density in spinal injuries resulting from seat ejection] Kozlovskiĭ AP, et al. **Kosm Biol Aviakosm Med** 1982 Jan-Feb;16(1):62-3 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Occult cervical spine fracture in an ambulatory patients. Bresler MJ, et al. **Ann Emerg Med** 1982 Aug;11(8):440-2
Limitation of the cross table lateral view in detecting cervical spine injuries: a retrospective analysis. Shaffer MA, et al. **Ann Emerg Med** 1981 Oct;10(10):508-13
The role of polytomography in the diagnosis and treatment of cervical spine injuries. Anderson LD, et al. **Clin Orthop** 1982 May;(165):64-7
Double or multiple level fractures of the spine. Korres DS, et al. **Injury** 1981 Sep;13(2):147-52
Gas density in an ununited fracture of a vertebral body. Bretz GW, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1183-4
Diagnosis of vertebral fractures. A comparison of conventional radiography, conventional tomography, and computed axial tomography. Keene JS, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):586-94
Epidurography. Exploration of lumbar sciatica and traumas of the spine. Fuentes JM, et al. **J Neuroradiol** 1981; 8(1):21-33 (Eng, Fre)
Danger of traction during radiography for cervical trauma [letter] Kaufman HH, et al. **JAMA** 1982 May 7;247(17):2369
CT for trauma to the base of the skull and spine in children. Kaiser MC, et al. **Neuroradiology** 1981;22(1):27-31
Computed tomography of the pediatric spine: a protocol for the 1980's. Harwood-Nash DC. **Radiol Clin North Am** 1981 Sep;19(3):479-94 (22 ref.)
Kümmell disease: report of a case with serial radiographs. Brower AC, et al. **Radiology** 1981 Nov;141(2):363-4
The widened disk space: a sign of cervical hyperextension injury. Cintron E, et al. **Radiology** 1981 Dec;141(3):639-44
[Severe spinal trauma in children (author's transl)] Penneçot GF, et al. **Ann Pediatr (Paris)** 1982 May;29(5):311-7 (Eng. Abstr.) (Fre)
[Computertomography of the spine] Verbiest H. **Beitr Orthop Traumatol** 1981 Oct;28(10):521-49 (Eng. Abstr.) (Ger)
[Examination of spinal canal by computerized tomography (author's transl)] Kuckein D. **Rontgenblatter** 1981 Oct; 34(10):387-93 (Eng. Abstr.) (Ger)
[CT imaging of traumatic lesions of the vertebral column (author's transl)] Langer R, et al. **Rontgenblatter** 1981 Dec; 34(12):451-5 (Eng. Abstr.) (Ger)
[X-ray manifestations of the injuries of spinal ligaments: follow-up study] Kamalov II. **Sov Med** 1982;(3):111-3 (Rus)

RADIONUCLIDE IMAGING

[The role of skeletal scintigraphy in the diagnosis of spinal fractures] Musumeci S, et al. **Radiol Med (Torino)** 1982 May;68(5):387-90 (Ita)

REHABILITATION

[Medical rehabilitation of patients with sequelae of war injuries of the nervous system] Livshits LIa, et al. **Sov Med** 1981;(11):89-92 (Rus)

SURGERY

Anterior decompression and fusion for thoracolumbar fractures with neurological deficits. Young B, et al. **Acta Neurochir (Wien)** 1981;57(3-4):287-98
Trauma to the central and peripheral nervous systems. Part II: A statistical profile of surgical treatment New South Wales 1977. Selecki BR, et al. **Aust NZ J Surg** 1982 Apr; 52(2):111-6
Anterior interbody fusion in fractures and fracture-dislocations of the spine. Moon MS, et al. **Int Orthop** 1981;5(2):143-9
Post-traumatic spinal epidural hematoma. Foo D, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):25-32
Treatment of spinal fractures with paraplegia. Riska EB, et al. **Zentralbl Chir** 1981;106(6):355-68
[Early management of firearm injury of the spine complicated with paraplegia (author's transl)] Wang XL. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):178-9 (Eng. Abstr.) (Chi)
[Current attitude toward spinal injury patients] Roy-Camille R. **Acquis Med Recent** 1981;198:109-18 (Fre)
[Vertebrectomy in the tumoral, inflammatory and traumatic spine] Lokietek W. **Acta Orthop Belg** 1981 Jul-Oct; 47(4-5):705-20 (Eng. Abstr.) (Fre)
[Injuries of the cervical, thoracic and lumbar vertebrae] Ludolph E, et al. **Chirurg** 1982 May;53(5):279-85 (Ger)
[Indication and technique of operative treatment of traumatic paraplegia (author's transl)] Bötel U. **Unfallheilkunde** 1982 Feb;85(2):51-8 (Eng. Abstr.) (Ger)
[Diagnostics and therapy of fractures and fracture-dislocations of the vertebral column (author's transl)] Böhler J. **Zentralbl Chir** 1981;106(6):345-54 (Eng. Abstr.) (Ger)
[Fractures of the thoracolumbar spine. A follow-up of insured and not insured (author's transl)] Kimmritz J. **Zentralbl Chir** 1982;107(1):29-37 (Eng. Abstr.) (Ger)
[Comparative clinical and x-ray evaluation of different methods for the surgical fixation of injured vertebrae] Kamalov II, et al. **Ortop Travmatol Protez** 1981 Dec; (12):19-22 (Eng. Abstr.) (Rus)

THERAPY

Management of the patient in a Halo brace. Hummelgard A, et al. **J Neurosurg Nurs** 1982 Jun;14(3):113-9
Osteopathic manipulation for accident-prone patient [letter] Siehl D. **JAOA** 1981 Oct;81(2):78-9
Cervical injury in the rugby scrum [letter] de Plessis MP. **S Afr Med J** 1981 Sep 12;60(11):410
[Spinal injuries. Assessment and emergency management at the site of the accident] Betz A, et al. **MMW** 1982 Apr 9;124(14):353-4 (Ger)
[Immobilization of the injured cervical spine by the Halo-Fixateur-externe for transports by aircraft (author's transl)] Hertz H, et al. **Wien Med Wochenschr** 1982 Jan 15;132(1):11-3 (Eng. Abstr.) (Ger)
[Fractures of the spine - long-term results of functional treatment (author's transl)] Katthagen BD, et al. **Zentralbl Chir** 1981;106(22):1480-91 (Eng. Abstr.) (Ger)
[Clinical and biomechanical analysis of the efficacy of using a corset in the treatment of children with compression fractures of the spine] Ter-Egiazarov GM, et al. **Ortop Travmatol Protez** 1982 Apr;(4):28-33 (Rus)

VETERINARY

Exercise in diagnostic radiology. Farrow CS. **Can Vet J** 1981 Nov;22(11):359-60
Spinal cord compression by depressed fragment of dorsal arch of L5, subcutaneous gas in the left hindlimb and dorsally over the lumbar spine, and subcutaneous fluid along the left body wall and abdomen. Cashwell-Clark M. **J Am Vet Med Assoc** 1982 Jan 15;180(2):182-4
Spinal injury in a lizard. Rosskopf WJ Jr, et al. **Mod Vet Pract** 1981 Aug;62(8):624-5
Cervical sprain and fracture in a dromedary. Dresher LK, et al. **VM SAC** 1981 Aug;76(8):1182-3

SPINAL NEOPLASMS

Chordoma of the cervical spine. Murali R, et al. **Neurosurgery** 1981 Sep;9(3):253-6

CEREBROSPINAL FLUID

Cyclic nucleotides in cerebrospinal fluid of patients with intracranial and spinal tumors. Cramer H, et al. **Acta Neurol Scand** 1982 Mar;65(3):174-81

COMPLICATIONS

Klippel-Feil syndrome with epidural fibroblastoma in the area of vertebral fusion. Vaquero J, et al. **Arch Neurol** 1982 May;39(5):318–9

Scoliosis caused by benign osteoblastoma of the thoracic or lumbar spine. Akbarnia BA, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1146–55

Insulin therapy for ketolactic acidosis complicating malignancy. Coleman RA, et al. **J Pediatr** 1982 Apr; 100(4):584–7

Spinal cord compression: comparison of extradural and intramedullary metastases. Grosh W, et al. **J Tenn Med Assoc** 1981 Nov;74(11):821–4

Neurogenic claudication due to narrowing of the lumbar canal by extradural metastatic tumor. Martin NA, et al. **Neurosurgery** 1981 Oct;9(4):436–9

Cervical radiculopathy caused by lipoma. Patient with multiple congenital skeletal anomalies and intraspinal and intrathoracic lipomas. Rao N, et al. **NY State J Med** 1982 Feb;82(2):222–5

Arteriovenous fistula in patients with neurofibromatosis. Deans WR, et al. **Radiology** 1982 Jul;144(1):103–7

Spinal haemangioblastoma associated with syringomyelia and multiple lung lesions. Iannotti F, et al. **Surg Neurol** 1981 Nov;16(5):373–9

[Secondary spinal cord atrophy associated with spinal meningioma] Schmidt RC, et al. **ROFO** 1981 Dec; 135(6):737–8 **(Ger)**

[Clinical manifestations and pathogenesis of neurological complications in Osler-Rendu disease] Glonti TI, et al. **Klin Med (Mosk)** 1981 Sep;59(9):52–4 **(Rus)**

[Scoliosis on a background of neurofibromatosis] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1981 Dec;(12):23–7 (Eng. Abstr.) **(Rus)**

CONGENITAL

Congenital intraspinal neuroblastoma: a treatable simulant of myelodysplasia. Kenney PJ, et al. **AJR** 1982 Jan; 138(1):166–7

DIAGNOSIS

Extradural lipomatosis simulating an acute herniated nucleus pulposus. Case report. Archer CR, et al. **J Neurosurg** 1982 Oct;57(4):559–62

Prenatal diagnosis of sacrococcygeal teratoma: an anechoic caudal mass. Seeds JW, et al. **JCU** 1982 Apr;10(4):193–5

Root compression syndrome S 1, simulated by a circumscribed plasmocytoma in the intervertebral disc. Demirel T. **Neurosurg Rev** 1981;4(1):37–9

Utilization of ultrasound in the evaluation of spinal dysraphism in children. Miller JH, et al. **Radiology** 1982 Jun;143(3):737–40

[Intramedullary dermoid cyst] Buur T, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3552–3 (Eng. Abstr.) **(Dan)**

[Semiology of spinal meningiomas and neurinomas (author's transl)] Grellier P, et al. **Sem Hop Paris** 1982 May 6; 58(18):1109–12 (Eng. Abstr.) **(Fre)**

[Tumors of the spine as a differential diagnosis in tuberculous spondylitis] Verlohren G. **Beitr Orthop Traumatol** 1982 Apr;29(4):177–87 (Eng. Abstr.) **(Ger)**

[Vertebral neurinomas] Sanguinetti C, et al. **Arch Putti Chir Organi Mov** 1981;31:305–16 **(Ita)**

[Primary hemangioendothelioma of the bone] De Santis E, et al. **Chir Organi Mov** 1981 May-Jun;66(3):331–7 (Eng. Abstr.) **(Ita)**

[Giant hour-glass neurilemmoma of the upper portion of the cervical spine] Majchrzak H, et al. **Pol Tyg Lek** 1981 Jul 13;36(28):1063–4 (Eng. Abstr.) **(Pol)**

[Pheochromocytoma with antevertebral localization] Simonenko VB, et al. **Klin Med (Mosk)** 1980 Jul;58(7):114–6 **(Rus)**

[Lipomas of the spinal canal] Fröhlich J, et al. **Rozhl Chir** 1982 Feb;61(2):70–2 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Successful treatment of metastatic extragonadal endodermal sinus (yolk sac) tumor in childhood. Thomas WJ, et al. **Cancer** 1981 Dec 1;48(11):2371–4

ETIOLOGY

[Radiation-induced sarcoma of the sixth cervical vertebra (author's transl)] Lang G, et al. **Rev Chir Orthop** 1981; 67(7):691–3 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Peripheral neuropathy and solitary myeloma: analysis of serum and CSF IgG in two cases. Milanese C, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):468–70

METABOLISM

[A case record--catecholamine metabolism of malignant pheochromocytoma-- (author's transl)] Tanabe T, et al. **Rinsho Byori** 1981 Dec;29(12):1287–92 **(Jpn)**

MICROBIOLOGY

Infection of a lumbar dermoid cyst by an anaerobic peptococcus. Schnegg JF, et al. **Acta Neurochir (Wien)** 1981;58(1-2):127–9

OCCURRENCE

Teratomas in adult Nigerians. Mabogunje OA, et al. **Afr J Med Med Sci** 1980 Sep-Dec;9(3-4):151–8

PATHOLOGY

Eosinophil mediated necrosis in a malignant fibrous histiocytoma. Ghadially FN, et al. **Ann Pathol** 1982; 2(1):57–9

Intraspinal meningioma in childhood. Nishio S, et al. **Childs Brain** 1981;8(5):382–9

Benign fibrous histiocytoma of bone. Light- and electron-microscopic observations. Roessner A, et al. **J Cancer Res Clin Oncol** 1981;101(2):191–202

Clinical and pathological study of meningiomas of the first two decades of life. Deen HG Jr, et al. **J Neurosurg** 1982 Mar;56(3):317–22

Neurilemmoma of the thoracic spine. A case report. Wells T, et al. **Spine** 1982;7(1):66–70

Intrathoracic chemodectoma with noradrenaline secretion. Nigam BK, et al. **Thorax** 1981 Jan;36(1):66–8

[Malignant giant cell tumor, initially diagnosed as a pilonidal cyst] Lundbeck F, et al. **Ugeskr Laeger** 1981 Oct 26; 143(44):2895–6 (Eng. Abstr.) **(Dan)**

[Tumors of the cervical spine] **Z Orthop** 1981 Dec; 119(6):646–56 **(Ger)**

['Respiratory brain' in a patient with solitary plasmacytoma] Carneiro PC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):38–9 **(Por)**

RADIOGRAPHY

Spinal osteochondroma diagnosed by computed tomography. Report of two cases and review of literature. Spallone A, et al. **Acta Neurochir (Wien)** 1981;58(1-2):105–14

Diagnosis of sacral neoplasms by epidural venography. Zeit RM, et al. **AJR** 1981 Nov;137(5):1045–8

Case report. Neurolemmoma in lumbar intervertebral foramen. Yang WC, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):904–6

Computed tomography in the diagnosis of space occupying lesions of the occipito-cervical junction. Vancoillie P, et al. **J Neuroradiol** 1981;8(4):335–41 **(Eng, Fre)**

Radiological examination of benign tumours of the cervical spine. A study based on six cases. Vasdev A, et al. **J Neuroradiol** 1981;8(1):35–54 **(Eng, Fre)**

CT evaluation of sacral tumors with neural involvement. Ciappetta P, et al. **J Neurosurg Sci** 1981 Apr-Jun; 25(2):89–94

Spinal epidural meningioma in childhood: a case report. Kaya U, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):746–7

Malignant versus benign paravertebral widening in children. Eklöf O, et al. **Pediatr Radiol** 1981;11(4):193–201

Case report 196: juxtacortical chondroma of C2. Calderone A, et al. **Skeletal Radiol** 1982;8(2):160–3

Osteochondroma of the cervical spine: report of two cases in preadolescent males. Novick GS, et al. **Skeletal Radiol** 1982;8(1):13–5

Case report 159. Song IS, et al. **Skeletal Radiol** 1981; 6(4):299–301

Computed tomography in localization of spinal osteoid osteoma. Wedge JH, et al. **Spine** 1981 Sep-Oct;6(5):423–7

[Clinical, radiological and pathological study of Ewing's sarcoma of the lumbar spine. Round cell sarcomas. Report on three cases (author's transl)] Vacher H, et al. **J Radiol** 1981 Aug-Sep;62(8-9):425–8 (Eng. Abstr.) **(Fre)**

[Primary osteosarcoma of the cervical spine] El Ouarzazi A, et al. **Maroc Med** 1981 Jun-Oct;3(2-3):719–22 **(Fre)**

[Osseous manifestations of Recklinghausen's disease. The role of vertebral scalloping] Sbihi A, et al. **Maroc Med** 1980 Dec;2(4):393–8 (Eng. Abstr.) **(Fre)**

[A case of spinal osteoid osteoma difficult to diagnose. Value of tomodensitometry] Turpin P, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):395–7 **(Fre)**

[Malignant aneurysmal bone cyst of vertebra with intraspinal spread: case report (author's transl)] Zimmerer U, et al. **Nervenarzt** 1981 Aug;52(8):468–72 **(Ger)**

[Spinal angiography - methodical aspects (author's transl)] Molsen HP, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):142–52 (Eng. Abstr.) **(Ger)**

[Extramedullary haematopoiesis as a cause of a paravertebral mass in the thorax (author's transl)] Gmeinwieser J, et al. **ROFO** 1982 Jul;137(1):68–72 (Eng. Abstr.) **(Ger)**

[Osteoid osteoma of the spine: a cause of scoliosis and hip and lumbar spine stiffness in childhood] Papassotiriou V, et al. **ROFO** 1981 Aug;135(2):238–9 **(Ger)**

[Examination of spinal canal by computerized tomography (author's transl)] Kuckein D. **Rontgenblatter** 1981 Oct; 34(10):387–93 (Eng. Abstr.) **(Ger)**

[Vertebral angiography of cervical dumbbell neurinomas (author's transl)] Saeki N, et al. **No Shinkei Geka** 1981 Oct; 9(11):1287–94 (Eng. Abstr.) **(Jpn)**

[Clinical and x-ray diagnosis of primary neoplasms of the sacrum] Bakhtiiarova VI, et al. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):39–43 **(Rus)**

RADIONUCLIDE IMAGING

Localization of Tc-99m-MDP in a paravertebral colon carcinoma metastasis. Fajman WA, et al. **Clin Nucl Med** 1981 Oct;6(10):502–3

Spinal chondrosarcoma demonstrated by Tc-99m-MDP bone scan. Smith FW, et al. **Clin Nucl Med** 1982 Mar; 7(3):111–2

RADIOTHERAPY

Extramedullary hematopoiesis in homozygous thalassemia. A tomographic study of a case treated with radiotherapy. Francesconi M, et al. **Acta Neurol (Napoli)** 1981 Aug; 36(4):602–5

Irradiation of metastatic parotid carcinoma. Jack GA. **Cancer** 1981 Oct 1;48(7):1557–62

Definitive radiation therapy for chordoma and chondrosarcoma of base of skull and cervical spine. Suit HD, et al. **J Neurosurg** 1982 Mar;56(3):377–85

SECONDARY

Diffuse carcinomatosis of the spine and neurocranium. Rozhold O, et al. **Acta Univ Palacki Olomuc Fac Med** 1982; 102:277–80

Spinal metastases. A retrospective survey from a general hospital. Stark RJ, et al. **Brain** 1982 Mar;105(Pt 1):189–213

Sciatica in CGL: a sign of transformation. Holdstock GE, et al. **Clin Lab Haematol** 1981;3(4):317–21

Metastatic disease of the spine: surgical risk versus radiation therapy. Patterson RH Jr. **Clin Neurosurg** 1980;27:641–4

Metastatic disease of the spine. Boland PJ, et al. **Clin Orthop** 1982 Sep;(169):95–102

Electromyographic findings in patients with low back pain due to unsuspected primary and metastatic spinal or paraspinal muscle disease. Boruta PM, et al. **Clin Orthop** 1981 Nov-Dec;(161):235–41

The results of decompression of cord or cauda equina compression from metastatic extradural tumors. Nather A, et al. **Clin Orthop** 1982 Sep;(169):103–8

Computerized tomography of malignant pleural mesothelioma with spinal canal invasion. Mikhael MA, et al. **Comput Radiol** 1982 Jan-Feb;6(1):11–5

Anterior spinal cord decompression and spine stabilization for metastatic disease. A case report. Winter RB. **Spine** 1982;7(1):70–2

Retroperitoneal tumor with vertebral metastasis in a 25-year-old female. Schmidt D, et al. **Ultrastruct Pathol** 1981 Oct-Dec;2(4):383–8

[Malignant pheochromocytoma. A case report in a 10-year-old boy with vertebral metastasis] Galifer RB, et al. **Chir Pediatr** 1982 Mar-Apr;23(2):121–4 (Eng. Abstr.) **(Fre)**

[Pathologic fractures due to tumors of the spine (author's transl)] Scholl R, et al. **Orthopade** 1982 May;11(3):136–42 **(Ger)**

[The pathologico-anatomic study of the metastatic tumor of the spine (author's transl)] Maruo S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Feb;55(2):199–208 (Eng. Abstr.) **(Jpn)**

[Extracranial metastases from intracranial meningioma - a report of 2 cases an review of literature (author's transl)] Kinomoto H, et al. **No Shinkei Geka** 1982 Mar;10(3):319–26 (Eng. Abstr.) **(Jpn)**

[Vertebral metastasis of breast neoplasms] Arseni C, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct-Dec; 26(4):283–96 (42 ref.) **(Rum)**

SECRETION

Presacral vipoma in a 16-month-old child. Blair AW, et al. **Acta Paediatr Belg** 1981 Apr-Jun;34(2):89–91

SURGERY

Abdominal sacral resection of locally recurrent rectal cancer. Wanebo HJ, et al. **Ann Surg** 1981 Oct;194(4):458–71

Acrylic prosthesis of the fifth cervical vertebra in cervical chordoma. Case report and review of the literature. Ciappetta P, et al. **Clin Neurol Neurosurg** 1981;83(1):35–9

Combined transoral and median labiomandibular glossotomy approach to the upper cervical spine. Arbit E, et al. **Neurosurgery** 1981 Jun;8(6):672–4

Labiomandibular, transoral approach to chordomas in the clivus and upper cervical spine. Delgado TE, et al. **Neurosurgery** 1981 Jun;8(6):675–9

Hemangiopericytomas of the spine. Muraszko KM, et al. **Neurosurgery** 1982 Apr;10(4):473–9

Use of acrylic prosthesis for a giant-cell tumor of the cervical spine. Lesoin F, et al. **Surg Neurol** 1982 May;17(5):358–62

[Vertebrectomy in the tumoral, inflammatory and traumatic spine] Lokietek W. **Acta Orthop Belg** 1981 Jul-Oct; 47(4-5):705–20 (Eng. Abstr.) **(Fre)**

[Total excision of thoracic vertebrae (author's transl)] Roy-Camille R, et al. **Rev Chir Orthop** 1981;67(3):421–30 (Eng. Abstr.) **(Fre)**

[Spinal tumors] Kinzl L, et al. **Chirurg** 1982 May;53(5):286–91 **(Ger)**

[Sacro-coccygeal chordoma: review of literature and case report] Binazzi R. **Arch Putti Chir Organi Mov** 1980; 30:413–26 (60 ref.) **(Ita)**

[Results of the treatment of primary tumors of the spine] Malawski S. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(3):281–6 (Eng. Abstr.) **(Pol)**

THERAPY

Ewing's sarcoma of the lumbar spine: a case report of long-term survival. Russin LA, et al. **Clin Orthop** 1982 Apr;(164):126–9

Treatment strategies for infants with malignant sacrococcygeal teratoma. Raney RB Jr, et al. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):573–7

[Treatment results in chordomas of the sacrococcygeal area] Knysh IT, et al. **Vopr Onkol** 1982;28(6):55–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ecchordosis physaliphora vertebralis. Ulich TR, et al. **Clin Orthop** 1982 Mar;(163):282–9

SPINAL NERVE ROOTS

Posterior approach in cervical spondylotic myeloradiculopathy. Casotto A, et al. **Acta Neurochir (Wien)** 1981;57(3–4):275–85

Congenital block vertebrae C2–C3 in patients with cervical myelopathy. de Graaff R. **Acta Neurochir (Wien)** 1982; 61(1–3):111–26

A comparative study of the treatment of cervical spondylotic myeloradiculopathy. Experience with 50 cases treated by means of extensive laminectomy, foraminotomy, and excision of osteophytes during the past 10 years. Epstein JA, et al. **Acta Neurochir (Wien)** 1982;61(1–3):89–104

Bulging lumbar intervertebral disk: myelographic differentiation from herniated disk with nerve root compression. Kieffer SA, et al. **AJR** 1982 Apr; 138(4):709–16

The cold foot symptom in sciatica. A clinical and thermographic study. Lindholm RV, et al. **Ann Chir Gynaecol** 1981;70(4):176–81

Asymmetric hamstring reflexes indicative of L5 radicular lesions. Felsenthal G, et al. **Arch Phys Med Rehabil** 1982 Aug;63(8):377–8

Failed neck syndrome: an ounce of prevention. Fager CA. **Clin Neurosurg** 1980;27:450–65 (26 ref.)

Anterior cervical discectomy without fusion: long-term results. Robertson JT, et al. **Clin Neurosurg** 1980;27:440–9

Osteoid osteoma of the proximal femur simulating spinal root compression. Halperin N, et al. **Clin Orthop** 1982 Jan–Feb; (162):191–4

Spinal tumors induced by neonatal administration of N-ethyl-N-nitrosourea in Wistar rats. Naito M, et al. **Gan** 1981 Feb;72(1):30–7

Ruptured abdominal aortic aneurysms presenting as radicular compression syndromes. Lodder J, et al. **J Neurol** 1982; 227(2):121–4

Liquid crystal thermography of the spine and extremities. Its value in the diagnosis of spinal root syndromes. Pochaczevsky R, et al. **J Neurosurg** 1982 Mar;56(3):386–95

Herniated nerve root as a complication of spinal tap. Case report. Siddiqi TS, et al. **J Neurosurg** 1982 Apr;56(4):565–6

Complication of spinal tap [letter] Trupp M. **J Neurosurg** 1982 Aug;57(2):297

Usefulness of computed tomography (CT) in the study of cervical radiculopathy. Giordano GB, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):139–41

The role of apophysial osteoarthritis in cervical radicular syndromes. Sanguinetti C, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):159–61

Intraspinal tumors in infants and children: report of case and review of literature. Altamura RF. **JAOA** 1981 Dec; 81(4):266–71

Malignant schwannoma of the dorsal spinal nerve root in a laboratory rat. Abbott DP. **Lab Anim** 1982 Jul;16(3):265–6

The lumbar spinal nerve root canals [editorial] **Lancet** 1982 Apr 10;1(8276):840

Diabetic polyradiculopathy: clinical and electromyographic findings in 105 patients. Bastron JA, et al. **Mayo Clin Proc** 1981 Dec;56(12):725–32

The spinal nerve root 'innervation', and a new concept of the clinicopathological interrelations in back pain and sciatica. El-Mahdi MA, et al. **Neurochirurgia (Stuttg)** 1981 Jul;24(4):137–41

Lumbar apophyseal process excision and spinal instability. Hazlett JW, et al. **Spine** 1982 Mar–Apr;7(2):171–6

[Occurrence and improvement of paralysis in lumbar root syndrome] Doubrava O, et al. **Cesk Neurol Neurochir** 1982 Jan;45(1):25–32 (Eng. Abstr.) **(Cze)**

[Effect of balneotherapy on the long-term development of degenerative diseases of the lumbar spine with spinal root irritation] Benda J, et al. **Fysiatr Reumatol Vestn** 1981 Aug; 59(4):185–8 (Eng. Abstr.) **(Cze)**

[Percutaneous analgesic thermocoagulation of spinal nerve roots. 218 cases (author's transl)] Verdie JC, et al. **Nouv Presse Med** 1982 Jun 12;11(28):2131–4 (Eng. Abstr.) **(Fre)**

[Semiology of spinal meningiomas and neurinomas (author's transl)] Grellier P, et al. **Sem Hop Paris** 1982 May 6; 58(18):1109–12 (Eng. Abstr.) **(Fre)**

[Lumbosacral myeloradicular syndromes caused by anomalies of the dural sac] Bernabè G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):97–121 **(Ita)**

[Three cases of cystic neurinoma arising from the upper cervical nerve roots and extending into the posterior cranial fossa (author's transl)] Sawada K, et al. **No Shinkei Geka** 1981 Nov;9(12):1425–30 (Eng. Abstr.) **(Jpn)**

[Radiological aspects of periradicular cysts and meningeal diverticula in the lumbosacral segment (author's transl)] Gajewicz M, et al. **Pol Przegl Radiol** 1981 Mar–Apr; 45(2):77–80 (Eng. Abstr.) **(Pol)**

[Effect of reflexotherapy on central and peripheral hemodynamics in patients with the radicular syndrome of lumbar osteochondritis] Goidenko VS, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):899–905 (Eng. Abstr.) **(Rus)**

[Anatomic pathways of pain irradiation in lumbar osteochondrosis] Koshelov Iul, et al. **Zh Nevropatol Psikhiatr** 1981;81(12):1811–3 (Eng. Abstr.) **(Rus)**

[Results of treatment of the lumboischiadic root syndrome] Drobný M, et al. **Cesk Neurol Neurochir** 1981 Nov; 44(6):354–62 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Lumbosacral nerve-root anomalies. Postacchini F, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):721–9

Serpentine lumbar nerve roots. Carlson DH. **J Can Assoc Radiol** 1982 Jun;33(2):89–90

Conjoined lumbosacral nerve roots. Management of herniated discs and lateral recess stenosis in patients with this anomaly. Epstein JA, et al. **J Neurosurg** 1981 Oct; 55(4):585–9

Surgical treatment of 63 cases of conjoined nerve roots. White JG 3d, et al. **J Neurosurg** 1982 Jan;56(1):114–7

The CT appearance of conjoined nerve roots and differentiation from a herniated nucleus pulposus. Helms CA, et al. **Radiology** 1982 Sep;144(4):803–7

[Lumbosciatica and nerve root anomalies] Sacchi A, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):351–4 (Eng. Abstr.) **(Fre)**

[Redundant roots and sciatica. Apropos of a case] Strauss J, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):141–3 **(Fre)**

ANALYSIS

[Dyssymmetry of the external structure of the human spinal cord: radicular bases and segments (a morphometric study)] Burdei GD. **Arkh Anat Gistol Embriol** 1981 Oct; 81(11):25–34 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Spinal nerve root origins of the cutaneous nerves arising from the canine brachial plexus. Bailey CS, et al. **Am J Vet Res** 1982 May;43(5):820–5

Degeneration and regeneration of motoneuron dendrites after ventral root crush: computer reconstruction of dendritic fields. Standler NA, et al. **Exp Neurol** 1982 Mar; 75(3):600–15

Normal and pathological anatomy of the lumbar spinal nerve root canals. Crock HV. **J Bone Joint Surg [Br]** 1981; 63B(4):487–90

Spinal projections of the dorsal root fibers in the cat. Umetani T, et al. **Kobe J Med Sci** 1981 Oct;27(5):173–88

Numbers and sizes of nerve fibres in mouse spinal roots. Biscoe TJ, et al. **Q J Exp Physiol** 1982 Jul;67(3):473–94

[Anatomy of intradural anastomoses between cervical nerve roots (authors' translation)] Boyer P, et al. **Neurochirurgie** 1981;27(3):191–6 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Clinico-electromyographic characteristics of discogenic lumbosacral vascular compression radiculomyeloischemia] Prokhorov AA, et al. **Zh Nevropatol Psikhiatr** 1982; 82(2):224–8 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Fiber components of the L6 and S1 ventral and dorsal spinal nerve roots in the rat. Hiura A. **Fukushima J Med Sci** 1980 Jun;27(1–2):1–9

DRUG EFFECTS

Decrease in effects of muscimol on the dorsal root after repeated administration of diazepam in rats. Kaneko T, et al. **J Pharmacobiodyn** 1981 Dec;4(12):947–51

Effects of intrathecal saline and ketamine with and without preservative on the spinal nerve roots of monkeys. Brock-Utne JG, et al. **S Afr Med J** 1982 Mar 6;61(10):360–1

Intrathecal ketamine with preservative – histological effects on spinal nerve roots of baboons. Brock-Utne JG, et al. **S Afr Med J** 1982 Mar 20;61(12):440–1

GROWTH & DEVELOPMENT

The maturation of the ventral root-spinal cord transitional zone. Part 2. A quantitative ultrastructural study of the dynamics of its early development. Fraher JP, et al. **J Neurol Sci** 1982 Jan;53(1):63–75

INJURIES

The anatomy of occipital neuralgia. Bogduk N. **Clin Exp Neurol** 1981;17:167–84

Observations on the 'burner:' traumatic cervical radiculopathy. Rockett FX. **Clin Orthop** 1982 Apr; (164):18–9

Variation of Impaction fracture of lumbar spine [letter] Miller CA, et al. **J Neurosurg** 1982 Apr;56(4):603

[Radiculomyelography with a water-soluble contrast medium in root evulsion of the lumbosacral plexus] Assmann H, et al. **ROFO** 1982 Jan;136(1):90–1 **(Ger)**

[X-ray diagnosis of the avulsion of brachial plexus roots from the spinal cord] Ogleznev KIa, et al. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):27–32 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Glial outgrowth along spinal nerve roots in amyotrophic lateral sclerosis. Ghatak NR, et al. **Ann Neurol** 1982 Feb; 11(2):203–6

Congenital hypomyelination neuropathy: glial bundles in cranial and spinal nerve roots. Towfighi J. **Ann Neurol** 1981 Dec;10(6):570–3

Lumbar stenosis: analysis of factors affecting outcome in 81 surgical cases. Weir B, et al. **Can J Neurol Sci** 1981 Nov; 8(4):295–8

Degeneration and regeneration of ventral root motor fibers in amyotrophic lateral sclerosis. Morphometric studies of cervical ventral roots. Hanyu N, et al. **J Neurol Sci** 1982 Jul;55(1):99–115

Lumbar monoradiculopathy due to unilateral facet hypertrophy. Reynolds AF, et al. **Neurosurgery** 1982 Apr; 10(4):480–6

PHYSIOLOGY

Effect of cooling on latency of monosynaptic discharges evoked in motoneurons of the frog. Tegzes-Dezsö G, et al. **Acta Biochim Biophys Acad Sci Hung** 1981; 16(1–2):95–100

Cholecystokinin in the rat spinal cord: distribution and lack of effect of neonatal capsaicin treatment and rhizotomy. Marley PD, et al. **Brain Res** 1982 Apr 29;238(2):494–8

Comparison of the effects of dorsal rhizotomy or dorsal column transection on motor performance of monkeys. Vierck CJ Jr. **Exp Neurol** 1982 Mar;75(3):566–75

Extracellular potassium accumulation in the frog spinal cord induced by stimulation of the skin and ventrolateral columns. Czéh G, et al. **J Physiol (Lond)** 1981 Nov; 320:57–72

Functional pattern of sacral root stimulation in dogs. II. Urethral closure. Thüroff JW, et al. **J Urol** 1982 May; 127(5):1034–8

Functional pattern of sacral root stimulation in dogs. I. Micturition. Thüroff JW, et al. **J Urol** 1982 May; 127(5):1031–3

Recording of root potentials from the spinal cord of the frog. Minowa K, et al. **Osaka City Med J** 1980;26(2):139–44

Animal models of chronic pain: their possible validation from human experience with posterior rhizotomy and congenital analgesia (Part I of the second John J. Bonica lecture). Sweet WH. **Pain** 1981 Jun;10(3):275–95 (69 ref.)

[Dorsal root antidromic effects on the absorption process in the small intestine] Taranenko VD, et al. **Fiziol Zh** 1982 May;28(3):371–3 **(Rus)**

[Retuning of segmental responses to peripheral stimulation during fictive locomotion in cats] Baev KV. **Neirofiziologiia** 1981;13(3):283–91 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A quantitative method to analyze the H reflex latencies from vastus medialis muscle: normal values. Aiello I, et al. **Electromyogr Clin Neurophysiol** 1982 May–Jun;22(4):251–4

The shoulder abduction test in the diagnosis of radicular pain in cervical extradural compressive monoradiculopathies. Davidson RI, et al. **Spine** 1981 Sep–Oct;6(5):441–6

Straight-leg-raising (SLR) and the qualifying tests for increased root tension: their predictive value after back and sciatic pain. Troup JD. **Spine** 1981 Sep–Oct;6(5):526–7

[Evaluation of 5 years of nucleolysis treatment in 150 cases of radiculalgia and 10 cases of lumbago of disk origin] Troisier O, et al. **Rev Rhum Mal Osteoartic** 1982 Apr; 49(5):377–83 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Value and limitations of electro-myography and of radiculography in the diagnosis of lumbar disc hernia (retrospective analysis of 150 cases operated on). Cavina C, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):115–21

The role of radiculography in the management of lesions of the lumbar disc. Jepson K, et al. **J Bone Joint Surg [Br]** 1982;64(4):405–8

Redundant lumbar nerve root syndrome: myelographic features. Hacker DA, et al. **Radiology** 1982 May; 143(2):457–61

Sector computed tomographic spine scanning in the diagnosis of lumbar nerve root entrapment. Risius B, et al. **Radiology** 1982 Apr;143(1):109–14

[Semiology of spinal meningiomas and neurinomas (author's transl)] Grellier P, et al. **Sem Hop Paris** 1982 May 6; 58(18):1109–12 (Eng. Abstr.) **(Fre)**

[Analysis of the symptomatological findings after sacculo-radiculography with Dimer-X (clinico-statistical study of 100 consecutive cases] Grasso A, et al. **Arch Putti Chir Organi Mov** 1981;31:83–100 **(Ita)**

[Saccoradiculography in congenital malformations of the cauda and dural sac] Borghi A, et al. **Chir Organi Mov** 1979 May–Jun;65(3):243–52 **(Ita)**

[Saccoradiculography and lumbar disk hernia] Capelli A, et al. **Chir Organi Mov** 1979 Mar–Apr;65(2):203–7 **(Ita)**

[Sacroradiculo graphic and myelographic investigations with iopamidol: study of 610 examinations (author's transl)] Caputo N, et al. **Riv Patol Nerv Ment** 1981 Mar–Apr;

102(2):56–68 (Eng. Abstr.) **(Ita)**

[Selective radiculography and block (author's transl)] Tajima K. **Nippon Seikeigeka Gakkai Zasshi** 1982 Jan;56(1):71–90 **(Jpn)**

[Clinical radicular symptoms in lumbosacral pain studies by radiculography with Dimer X] Musiol A, et al. **Neurol Neurochir Pol** 1981 Jul–Aug;15(4):469–73 (Eng. Abstr.) **(Pol)**

SURGERY

Percutaneous facet denervation and partial posterior rhizotomy. Sluijter ME. **Acta Anaesthesiol Belg** 1981; 32(1):63–79

Intercostal nerves to spinal nerve roots anastomosis (spinal cord bypass) and Harrington rod fusion in traumatic paraplegia--technical note. Patil A. **Acta Neurochir (Wien)** 1981;57(3–4):299–303

Dorsal root rhizotomy for chronic back pain. Whitty B. **AORN J** 1982 Apr;35(5):979–91

Assessment of functional effect of epidural electrostimulation and selective posterior rhizotomy in spasticity. Laitinen LV, et al. **Appl Neurophysiol** 1982;45(3):331–4

Results of selective posterior rhizotomy in the treatment of painful and spastic paraplegia secondary to multiple sclerosis. Sindou M, et al. **Appl Neurophysiol** 1982; 45(3):335–40

Maintenance of dorsal horn somatotopic organization and increased high-threshold response after single-root or spared-root deafferentiation in cats. Pubols LM, et al. **J Neurophysiol** 1982 Jan;47(1):103–12

Selective percutaneous thermocoagulation rhizotomy in essential glossopharyngeal neuralgia. Isamat F, et al. **J Neurosurg** 1981 Oct;55(4):575–80

A complication of 'Rhizolysis' [letter] McKellar CC. **Med J Aust** 1981 Sep 19;2(6):301

Spinal surgery for spasticity (46 cases). Benedetti A, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):195–8

New techniques for decompression of lumbar spinal stenosis. Ray CD. **Neurosurgery** 1982 May;10(5):587–92

Selective posterior rhizotomy for the relief of spasticity in cerebral palsy. Peacock WJ, et al. **S Afr Med J** 1982 Jul 24;62(4):119–24

[A sensitive spinal rhizotomy in the treatment of intractable pain] Mraček Z, et al. **Rozhl Chir** 1981 Sep;60(9):619–23 (Eng. Abstr.) **(Cze)**

[Elimination of pain by percutaneous thermorhizolysis in patients with inoperable bronchial carcinoma (author's transl)] John F, et al. **Wien Med Wochenschr** 1981 Sep 15; 131(17):427–30 (Eng. Abstr.) **(Ger)**

[Selective posterior radiculotomy in the treatment of spasticity: immediate and long-term results] Fraioli B, et al. **Riv Neurol** 1981 Jan–Feb;51(1):49–57 (Eng. Abstr.) **(Ita)**

[Anesthetic management in dorsal rhizotomy by selective cryotherapy and percutaneous thermocoagulation] Horno González R, et al. **Rev Esp Anestesiol Reanim** 1981 Nov; 28(6):326–8 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Changes in shape and size of cat spinal root myelinated nerve fibers during fixation and Vestopal-w embedding for electron microscopy. Berthold CH, et al. **J Ultrastruct Res** 1982 Jul;80(1):23–41

Estimation of sectioning compression and thickness of ultrathin sections through Vestopal-W-embedded cat spinal roots. Berthold CH, et al. **J Ultrastruct Res** 1982 Jul;80(1):42–52

Sensory ganglioneuropathy in infantile spinal muscular atrophy. Light and electronmicroscopic findings in two cases. Probst A, et al. **Neuropediatrics** 1981 Aug; 12(3):215–31

An ultrastructural study of spinal nerve roots and dorsal root ganglia in aging rats with spontaneous radiculoneuropathy. Mitsumori K, et al. **Vet Pathol** 1981 Nov;18(6):714–26

SPINAL NERVES

Lumbar spinal nerve lateral entrapment. Kirkaldy-Willis WH, et al. **Clin Orthop** 1982 Sep;(169):171–8

Neurological disease in folic acid deficiency. **Nutr Rev** 1981 Sep;39(9):337–8

[Suralis compression syndrome (author's transl)] Heuser M. **Nervenarzt** 1982 Apr;53(4):223–4 **(Ger)**

[Neurovascular syndromes and vertebral pathology] Kipervas IP. **Sov Med** 1982;(4):112–4 **(Rus)**

ANATOMY & HISTOLOGY

Quantitative histological study in the sural nerves of children. Origuchi Y. **Brain Dev** 1981;3(4):395–402

The absence of nodal sprouts from partially denervated nerve trunks. Slack JR, et al. **Brain Res** 1981 Dec 7; 226(1–2):291–7

Somatotopic organization of the thoracic spinal nerve in the dorsal horn demonstrated with transganglionic degeneration. Grant G, et al. **J Comp Neurol** 1981 Nov 1;202(3):357–64

Fibers in spinal nerves of tree frogs: Eleutherodactylus and Hyla. Sutherland RM, et al. **J Comp Neurol** 1981 Nov 1; 202(3):415–20

Neural pathways to lower urinary tract identified by retrograde axonal transport of horseradish peroxidase. de Araujo CG, et al. **Urology** 1982 Mar;19(3):290–5

BLOOD SUPPLY

Radicular vessels are the most probable source of needle-induced blood in lumbar puncture: significance for the thrombocytopenic cancer patient. Breuer AC, et al. **Cancer** 1982 May 15;49(10):2168–72

CYTOLOGY

[Preparation of the spinal neurons and their bushy receptors for morphophysiological study] Podol'skaia LA, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):31–8 (Eng. Abstr.) **(Rus)**

[Intracellular neuronal potentials in the isolated perfused spinal cord of the chick embryo (letter)] Velumian AA. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):105–6 **(Rus)**

DRUG EFFECTS

Dual effects of substance P on the excitability of single cutaneous primary afferent C- and A-fibers in the cat spinal cord. Randić M, et al. **Brain Res** 1982 Feb 11;233(2):389–93

ENZYMOLOGY

Demonstration of 2',3'-cyclic nucleotide 3'-phosphohydrolase in cultured human Schwann cells. Reddy NB, et al. **J Neurochem** 1982 Sep;39(3):887–9

INJURIES

Sural nerve entrapment by avulsion fracture of the base of the fifth metatarsal bone. Gould N, et al. **Foot Ankle** 1981 Nov;2(3):153–5

METABOLISM

Lipid abnormalities in hereditary neuropathy. Part 4. Endoneurial and liver lipids of HMSN-III (Déjerine-Sottas disease). Yao JK, et al. **J Neurol Sci** 1981 Nov-Dec; 52(2–3):179–90

PATHOLOGY

Sural nerve biopsy in systemic necrotizing vasculitis. Wees SJ, et al. **Am J Med** 1981 Oct;71(4):525–32

Peripheral Nerve unmyelinated axons following lumbar sympathectomy. Chad D, et al. **Ann Neurol** 1981 Nov; 10(5):486–8

Adult onset type II fiber centronuclear neuromyopathy with segmented demyelination. Sugie H, et al. **Brain Dev** 1982; 4(1):7–12

Neurogenic muscular atrophy and low density of large myelinated fibres of sural nerve in chorea-acanthocytosis. Ohnishi A, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):645–8

Vascular changes in leprosy and its role in the pathogenesis of leprous neuritis. Chopra JS, et al. **Lepr India** 1981 Jul; 53(3):443–53

Variability in nerve biopsy findings in a kinship with dominantly inherited Charcot-Marie-Tooth disease. Van Weerden TW, et al. **Muscle Nerve** 1982 Mar;5(3):185–96

Symmetric sarcoid polyneuropathy: analysis of a sural nerve biopsy. Nemni R, et al. **Neurology (NY)** 1981 Oct; 31(10):1217–23

The diagnostic value of sural nerve biopsy in metachromatic leucodystrophy and other conditions with low leucocyte arylsulphatase A activities. Vos AJ, et al. **Neuropediatrics** 1982 Feb;13(1):42–6

[The diagnostic value of nerve biopsy in polyneuropathies (author's transl)] Behse F. **Nervenarzt** 1981 Dec; 52(12):677–84 **(Ger)**

[Condition of peripheral nerves following acute ischemia of the extremities] Akhmedov NK, et al. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):38–44 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Effect of continuous vibration on sural nerve action potentials. Ertekin N, et al. **Appl Neurophysiol** 1980; 43(6):305–12

In vitro frog sural nerve test: a monitor for detecting neurotoxin solutes. Boudet J, et al. **Artif Organs** 1981;4 Suppl:94–7

The functional properties and innervation density of type II mechanoreceptor units of the sural nerve of the rabbit. Aitken SC, et al. **Brain Res** 1982 Mar;257(1):57–64

The spatial distribution and functional properties of type I mechanoreceptor units of the sural nerve of the rabbit. Aitken SC, et al. **Brain Res** 1982 Mar;257(1):45–56

The responses of dorsal horn neurones to controlled mechanical stimulation of the hindlimb skin in the rabbit. Aitken SC, et al. **Brain Res** 1982 Mar;257(1):65–77

The effect of electrical stimulation of brachiospinal nerves on protein synthesis in the forelimb regenerate of the newt. Maier CE, et al. **Brain Res** 1982 Jan;255(1):155–9

Phagocytosis of erythrocytes in the subarachnoid space at spinal nerve exits. Krahn V. **Cell Tissue Res** 1982; 221(3):687–91

Formation of functional synapses in the adult cat red nucleus from the cerebrum following cross-innervation of forelimb flexor and extensor nerves. II. Analysis of newly appeared synaptic potentials. Fujito Y, et al. **Exp Brain Res** 1982; 45(1–2):13–8

The termination of cutaneous nerves in the dorsal horn of the spinal cord in normal and in skin-rotated frogs. Székely G, et al. **Exp Brain Res** 1982;45(1–2):19–28

Formation of functional synapses in the adult cat red nucleus from the cerebrum following cross-innervating of forelimb flexor and extensor nerves. I. Appearance of new synaptic potentials. Tsukahara N, et al. **Exp Brain Res** 1982; 45(1–2):1–12

Long-latency, nonreciprocal reflex responses of antagonistic hind limb muscles after cutaneous nerve stimulation in the cat. Crenna P, et al. **Exp Neurol** 1982 Apr;76(1):58–71

The somato-adrenal medullary reflexes in rats. Araki T, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):161–70

Cutaneous nerve stimulation and motoneuronal excitability: I, soleus and tibialis anterior excitability after ipsilateral and contralateral sural nerve stimulation. Delwaide PJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):699–707

Changes in primary afferent depolarization of sensory neurones during peripheral nerve regeneration in the cat. Horch KW, et al. **J Physiol (Lond)** 1981;313:287–99

Nerve conduction velocity varies inversely with height. Campbell WW Jr, et al. **Muscle Nerve** 1981 Nov–Dec; 4(6):520–3

Effect of height on nerve conduction velocity. Soudmand R, et al. **Neurology (NY)** 1982 Apr;32(4):407–10

[To what should the absence of repair of transsected spinal fibers in higher vertebrates be attributed?] Contamin F. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):761–4 (Eng. Abstr.) **(Fre)**

[Dynamics of monosynaptic response potentiation after nerve section at different distances from the spinal cord] Makii EA, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1791–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Epidural nerve stimulation of the lower spinal cord and cauda equina for the relief of intractable pain in failed low back surgery. Blume H, et al. **Appl Neurophysiol** 1982; 45(4–5):456–60

Importance and documentation of an epidural stimulating position. Law JD, et al. **Appl Neurophysiol** 1982; 45(4–5):461–4

Sural nerve conduction studies and late responses in children undergoing hemodialysis Ackil AA, et al. **Arch Phys Med Rehabil** 1981 Oct;62(10):487–91

Radicular derivation of sensory action potentials in lower extremity. Subramony SH, et al. **Arch Phys Med Rehabil** 1981 Nov;62(11):590–2

SURGERY

Recent advances in neurosurgical treatment of chronic pain. Meyerson BA. **Acta Neurol Scand [Suppl]** 1980;78:15–23

Trigeminal neuralgia: a comparison of the results of percutaneous rhizotomy and microvascular decompression. Ferguson GG, et al. **Can J Neurol Sci** 1981 Aug;8(3):207–14

Sural nerve entrapment: an unusual case report. Docks GW, et al. **J Foot Surg** 1979 Spring;18(1):42–3

[Results of great nerve trunk grafts] Sedel L, et al. **Sem Hop Paris** 1982 Jun 24;58(25):1569–74 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Cross-face nerve transplantation in facial palsy. Anderl H. **Ann Chir Gynaecol** 1982;71(1):70–6

Microneurovascular free muscle reconstruction for long established facial paralysis. O'Brien BM, et al. **Ann Chir Gynaecol** 1982;71(1):65–9

Experimental study of interfascicular grafts in the peroneal nerve of the rabbit. Yamano Y. **Arch Orthop Trauma Surg** 1981;99(2):97–103

Interfascicular nerve grafting. Moneim MS. **Clin Orthop** 1982 Mar;(163):65–74

Interfascicular suture with nerve autografts for median, ulnar and radial nerve lesions. Pluchino F, et al. **Ital J Neurol Sci** 1981 May;2(2):139–46

Implications of the failure of nerve resection and graft to cure chronic pain produced by nerve lesions. Noordenbos W, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec; 44(12):1068–73

'How I do it'--plastic surgery. Practical suggestions on facial plastic surgery. Microneural techniques for nerve grafting. Hagan WE. **Laryngoscope** 1981 Oct;91(10):1759–66

Bilateral microneurosurgical reconstruction of inferior alveolar nerves via autogenous sural nerve transplantation. Wessberg GA, et al. **Oral Surg** 1981 Nov;52(5):465–70

[Microsurgical autotransplantation in median nerve injuries] Tabakov D. **Rozhl Chir** 1982 Feb;61(2):87–96 (Eng. Abstr.) **(Cze)**

[Nerve transplantations in the upper extremity with autologous grafts] Reill P, et al. **Chirurg** 1982 Apr; 53(4):229–34 (Eng. Abstr.) **(Ger)**

[Homogeneous (allogenic) peripheral nerve graft] Czochra M, et al. **Pol Tyg Lek** 1981 Aug 17;36(33):1269–72 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

A dominant form of neuronal ceroid-lipofuscinosis. An ultrastructural study of sural nerve and peripheral lymphocytes. Badurska B, et al. **J Neurol** 1981; 226(3):205–12

Perineuritis in mononeuritis multiplex with cryoglobulinemia. Konishi T, et al. **Muscle Nerve** 1982 Feb;5(2):173–7

SPINAL OSTEOPHYTOSIS

COMPLICATIONS

Vertebral artery compression by cervical osteophytes. Giroux JC. **Adv Otorhinolaryngol** 1982;28:111–7

Dysphagia due to hypertrophic cervical osteophytes. Hirano H, et al. **Clin Orthop** 1982 Jul;(167):168–72

Laryngeal and pharyngeal disorders in vertebral ankylosing hyperostosis. Girgis IH, et al. **J Laryngol Otol** 1982 Jul; 96(7):659–64

Cervical spondylosis and dysphagia. Umerah BC, et al. **J Laryngol Otol** 1981 Nov;95(11):1179–83

Spinal cord compression in diffuse idiopathic skeletal hyperostosis. Alenghat JP, et al. **Radiology** 1982 Jan; 142(1):119–20

Diffuse idiopathic skeletal hyperostosis (DISH) and spondylosis deformans as predictors of cardiovascular diseases and cancer. Julkunen H, et al. **Scand J Rheumatol** 1981;10(3):241–8

[Spondylosis hyperostotica impending gastroscopy (author's transl)] Doschek D. **Leber Magen Darm** 1980 Dec; 10(6):329–30 (Eng. Abstr.) **(Ger)**

[Studies on experimental cervical spondylotic myelopathy (author's transl)] Nishijima S. **Nippon Geka Hokan** 1981 Mar 1;50(2):313–29 (Eng. Abstr.) **(Jpn)**

[Treatment of cervical syndromes in spinal osteophytosis by decompression and anterior fusion] Kiwerski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):345–8 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Clinical and occupational aspects of cervical spondylosis. Mohindra Y, et al. **J Indian Med Assoc** 1981 Jul 1;77(1):8–9

Syringomyelia and syringomielic syndrome by cervical spondylosis. Report on three cases presenting with neurogenic osteoarthropathies. Lucci B, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):169–72

[Differential diagnosis between systemic degenerative neurologic syndromes and cervical spine–spinal cord pathology] Buscaino GA. **Acta Neurol (Napoli)** 1981 Dec; 36(6):758–65 (11 ref.) **(Ita)**

DRUG THERAPY

Anti-inflammatory drugs in management of spondylosis. Taylor TK, et al. **Br Med J [Clin Res]** 1981 Oct 10; 283(6297):951

ETIOLOGY

Extensive spinal osteophytosis as a risk factor for heterotopic bone formation after total hip arthroplasty. Blasingame JP, et al. **Clin Orthop** 1981 Nov–Dec;(161):191–7

[Dystrophic spinal changes in relation to the back—evaluation of 1000 patients between ages 20 and 65] Hähnel H, et al. **ZFA (Dresden)** 1982 May–Jun;37(3):161–6 **(Ger)**

[Recurrence of sciatica in patients operated on for disk hernia: postoperative segmental spondylosis] Paini GP, et al. **Acta Biomed Ateneo Parmense** 1981;52(5):205–15 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Spondylosis deformans and diffuse idiopathic skeletal hyperostosis (DISH) in Finland. Julkunen H, et al. **Scand J Rheumatol** 1981;10(3):193–203

[Epidemiologic examinations on the problem of the relation between degenerative diseases of the locomotor apparatus and the cardiovascular system] Pawlow V, et al. **ZFA (Dresden)** 1982;37(2):115–9 **(Ger)**

PHYSIOPATHOLOGY

Somatosensory evoked potentials in diagnostics of cervical spondylosis and herniated disc. Siivola J, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):276–82

[The effect of the sympathetic nervous system on cervical spondylosis (author's transl)] Watanuki A. **Nippon Seikeigeka Gakkai Zasshi** 1981 Apr;55(4):371–85 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

An unusual type of Forestier's disease. Sutro CJ, et al. **Bull Hosp Joint Dis** 1981;41:88–94

The significance of osteophytes on lumbar vertebral bodies in relation to discographic findings. Quinnell RC, et al. **Clin Radiol** 1982 Mar;33(2):197–203

Cervical canal stenosis: a clinico-radiological study. Shukla R, et al. **J Assoc Physicians India** 1981 May;29(5):379–83

Cine radiography in cervical spondylosis as a means of determining the level for anterior fusion. Brunton FJ, et al. **J Bone Joint Surg [Br]** 1982;64(4):399–404

[Roentgenological measurement of the cervical vertebral bodies in ossification of the posterior longitudinal ligament (OPLL) and cervical spondylosis (CS) (author's transl)] Tanaka H, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jul;55(7):635–45 (Eng. Abstr.) **(Jpn)**

SURGERY

Posterior approach in cervical spondylotic myeloradiculopathy. Casotto A, et al. **Acta Neurochir (Wien)** 1981;57(3–4):275–85

A comparative study of the treatment of cervical spondylotic myeloradiculopathy. Experience with 50 cases treated by means of extensive laminectomy, foraminotomy, and excision of osteophytes during the past 10 years. Epstein JA, et al. **Acta Neurochir (Wien)** 1982;61(1–3):89–104

Subjective postoperative results in cervical spondylotic myelopathy. Vaquero J, et al. **Acta Neurochir (Wien)** 1982; 62(1–2):95–100

Cervical spondylosis: natural history and rare indications for surgical decompression. Hunt WE. **Clin Neurosurg** 1980; 27:466–80

Spondylosis and the lame back (cause or coincidence?). Mayfield FH. **Clin Neurosurg** 1980;27:335–47

The microscope in anterior cervical spine surgery. Spetzler RF, et al. **Clin Orthop** 1982 Aug;(168):17–23

Anterior cervical spinal surgery. Chen PQ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb;81(2):253–61

[Resection of calcinosis in deep cervical fascia for treatment of cervical spondylosis: report of 22 cases (author's transl)] Chen WC. **Chung Hua Wai Ko Tsa Chih** 1981 Dec; 19(12):732–4 (Eng. Abstr.) **(Chi)**

[The operative treatment of the cervico-encephalic syndrome or the vertebral artery syndrome] Biehl G, et al. **Beitr Orthop Traumatol** 1982 Apr;29(4):199–208 (Eng. Abstr.) **(Ger)**

[Antero-lateral, cervical microsurgical diskectomy] Husag L, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(1):47–59 (Eng. Abstr.) **(Ger)**

[Alumina-ceramics (Bioceram) as the implant material in anterior cervical fusion (author's transl)] Oda Y, et al. **Nippon Geka Hokan** 1981 Mar 1;50(2):352–7 (Eng. Abstr.) **(Jpn)**

[Clinical and radiological study on subtotal vertebrectomy for cervical myelopathy due to multiple-level involvement (author's transl)] Miyasaka H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov;55(11):1555–68 (Eng. Abstr.) **(Jpn)**

THERAPY

[Self-body-weight suspension therapy for cervical spondylosis (author's transl)] Ren YH. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):619–21 (Eng. Abstr.) **(Chi)**

[Interference currents in the treatment of spinal degenerative diseases] Turzová E. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun; (3):35–6 **(Rus)**

SPINAL PUNCTURE

How to do a cisternal puncture. Kendall B. **Br J Hosp Med** 1980 Dec;24(6):571

Occurrence of transient positive sharp wave like activity in the paraspinal muscles following lumbar puncture. Danner R. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb; 22(1–2):149–54

End-of-treatment spinal tap in bacterial meningitis. Is it worthwhile? Durack DT, et al. **JAMA** 1982 Jul 2; 248(1):75–8

The advantages of small-gauge spinal needles [letter] Spielman FJ, et al. **JAMA** 1982 Jan 15;247(3):304

Successful myelography after dry spinal puncture. Stovring J, et al. **Radiology** 1982 Apr;143(1):265–6

[Value of translumbar puncture in the diagnosis of renal hydatid cyst] Escudero Barrilero A, et al. **Rev Clin Esp** 1981 Sep 15;162(5):179–87 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Spinal subarachnoid hematoma. Frager D, et al. **AJNR** 1982 Jan–Feb;3(1):77–9

Acute subdural hematoma after subdural punctures. Dunn DW. **Am J Dis Child** 1982 Apr;136(4):371–2

Clinical report of the occurrence of an intracerebral hemorrhage following post-lumbar puncture headache. Mantia AM. **Anesthesiology** 1981 Dec;55(6):684–5

Radicular vessels are the most probable source of needle-induced blood in lumbar puncture: significance for the thrombocytopenic cancer patient. Breuer AC, et al. **Cancer** 1982 May 15;49(10):2168–72

Postlumbar puncture headache: prevention and treatment. Goldberg MJ. **J Iowa Med Soc** 1981 Sep;71(9):384–5

Herniated nerve root as a complication of spinal tap. Case report. Siddiqi TS, et al. **J Neurosurg** 1982 Apr;56(4):565–6

Complication of spinal tap [letter] Trupp M. **J Neurosurg** 1982 Aug;57(2):297

Posture and lumbar puncture headache: a controlled trial in 50 patients. Handler CE, et al. **J R Soc Med** 1982 Jun; 75(6):404–7

Lumbar puncture headache: controlled study on the preventive effect of 24 hours' bed rest. Carbaat PA, et al. **Lancet** 1981 Nov 21;2(8256):1133–5

Meningitis after lumbar puncture in children with bacteremia [letter] **N Engl J Med** 1982 Mar 11;306(10):608–10

Meningitis after lumbar puncture in children with bacteremia. Teele DW, et al. **N Engl J Med** 1981 Oct 29; 305(18):1079–81

The effect of desmopressin on post-lumbar puncture/myelography morbidity [letter] Spiro F, et al. **S Afr Med J** 1982 Sep 18;62(13):428

Complications of lumbar puncture followed by anticoagulation. Ruff RL, et al. **Stroke** 1981 Nov–Dec; 12(6):879–81

[The status of lumbar puncture in the diagnosis of acute intracranial diseases] Nielsen CJ, et al. **Ugeskr Laeger** 1982 Apr 26;144(17):1220–2 (Eng. Abstr.) **(Dan)**

[Spinal subdural hematoma. An unusual complication of lumbar puncture (author's transl)] Gaspar P, et al. **Sem Hop Paris** 1982 Apr 8;58(14):873–5 (Eng. Abstr.) **(Fre)**

[Iatrogenic lumbar meningocele] Gambardella A, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):57–60 **(Ita)**

[Pathogenesis of headache following lumbar puncture] Tikhomirov BM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(12):1795–8 (Eng. Abstr.) **(Rus)**

METHODS

Single puncture suffices [letter] Plaut TF. **N Engl J Med** 1982 Jul 22;307(4):251

Jet anesthesia in a pediatric oncology clinic. Butzner JD, et al. **Va Med** 1982 Feb;109(2):102

PSYCHOLOGY

beta-Endorphin immunoreactivity and acute behavioral distress in children with leukemia. Katz ER, et al. **J Nerv Ment Dis** 1982 Feb;170(2):72–7

SPINE

see related

LAMINECTOMY

Thoracic myelopathy secondary to ossified ligamentum flavum. Omojola MF, et al. **J Neurosurg** 1982 Mar; 56(3):448–50

Liquid crystal thermography of the spine and extremities. Its value in the diagnosis of spinal root syndromes. Pochaczevsky R, et al. **J Neurosurg** 1982 Mar;56(3):386–95

[Genetic study for ossification of the spinal ligaments (author's transl)] Seto N. **Nippon Geka Hokan** 1981 May; 50(3):461–75 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Significance of resegmentation in the pathogenesis of vertebral body malformation. Tanaka T, et al. **Acta Orthop Scand** 1981 Jun;52(3):331–8

The pathogenesis of congenital vertebral malformations. A study based on observations made in 11 human embryos and fetuses. Tanaka T, et al. **Acta Orthop Scand** 1981 Aug; 52(4):413–25

Caudal regression anomalad. Fryns JP, et al. **Acta Paediatr Belg** 1981 Apr–Jun;34(2):suppl XVIII, 137–44

The association of congenital spinal anomalies with imperforate anus. Denton JR. **Clin Orthop** 1982 Jan–Feb; (162):91–8

Severe kyphosis due to congenital dorsal hemivertebra. Williams F, et al. **Clin Radiol** 1982 Jul;33(4):445–52

Bilateral femoral dysgenesis with micrognathia, cleft palate, anomalies of the spine and pelvis, and foot deformities. Clinical and radiological findings. Burck U, et al. **Helv Paediatr Acta** 1981 Nov;36(5):473–82

A new variant of spondylometaphyseal dysplasia with autosomal dominant mode of inheritance. García-Castro JM, et al. **J Med Genet** 1982 Apr;19(2):104–9

Hemimyelodysplasia: a report of 10 cases. Maguire CD, et al. **J Pediatr Orthop** 1982 Mar;2(1):9–14

Computed tomography of the pediatric spine: a protocol for the 1980's. Harwood-Nash DC. **Radiol Clin North Am** 1981 Sep;19(3):479–94 (22 ref.)

That teratogenic cow ... Stevenson JC. **VM SAC** 1981 Sep; 76(9):1369

Thalidomide-like malformations caused by Tween surfactant in mice. Kocher-Becker U, et al. **Z Naturforsch [C]** 1981 Sep–Oct;36(9–10):904–6

[Costovertebral dysostosis and congenital heart disease. Four case-reports (author's transl)] Delgoffe C, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):135–9 (Eng. Abstr.) **(Fre)**

[Moderate hypobaric hypoxia used as an inducer of congenital vertebral malformation in mouse embryo (author's transl)] Rivard CH, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):65–7 (Eng. Abstr.) **(Fre)**

[Congenital vertebral and urinary malformations. Incidence of their association and management] Kohler R, et al. **Pediatrie** 1982 Mar;37(2):91–100 (Eng. Abstr.) **(Fre)**

[Resection of hemivertebrae. A review of seven cases (author's transl)] Bergoin M, et al. **Rev Chir Orthop** 1981; 67(4):485–93 (Eng. Abstr.) **(Fre)**

[Megaspondylodysplasia : orthopaedic management (author's transl)] Fauchet R, et al. **Rev Chir Orthop** 1981;67(7):647–53 (Eng. Abstr.) **(Fre)**

[The value of computer tomography in the diagnosis of congenital spinal malformations particularly diastematomyelia (author's transl)] Claussen C, et al. **ROFO** 1980 Nov;133(5):520–7 (Eng. Abstr.) **(Ger)**

[Costovertebral dysplasia. A receptor defect of sclerotome development?] Gassner M. **Schweiz Med Wochenschr** 1982 May 29;112(22):791–7 (Eng. Abstr.) **(Ger)**

[Saccoradiculography in congenital malformations of the

cauda and dural sac] Borghi A, et al. **Chir Organi Mov** 1979 May-Jun;65(3):243-52 **(Ita)**

[Spondylocostal dysostosis. An easily recognizable syndrome with a difficult genetic counselling (author's transl)] Calabro A, et al. **Pediatr Med Chir** 1981 Nov-Dec; 3(6):559-62 (Eng. Abstr.) **(Ita)**

[Clinico-biochemical study on Ishibashi rats (author's transl)] Takahashi M, et al. **Jikken Dobutsu** 1981 Oct;30(4):457-63 (Eng. Abstr.) **(Jpn)**

[Temporal bone histopathology of the congenital spondylo-epiphyseal dysplasia (author's transl)] Ogawa A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Aug; 84(8):877-9 (Eng. Abstr.) **(Jpn)**

[VATER abnormalities in a patient in a cardiosurgical department] Bochkova DN, et al. **Klin Med (Mosk)** 1981 Aug;59(8):78-9 **(Rus)**

[The PIV syndrome (polydactylia, imperforate anus, vertebrogenous anomalies (author's transl)] Mersten A, et al. **Cesk Radiol** 1981 Jul;35(4):233-8 (Eng. Abstr.) **(Slo)**

[Costovertebral dysplasia] Vergara MD, et al. **Bol Med Hosp Infant Mex** 1981 Jul-Aug;38(4):657-63 (Eng. Abstr.) **(Spa)**

ANALYSIS

Measurement of spinal calcium by in vivo neutron activation analysis in osteoporosis. Smith MA, et al. **Clin Phys Physiol Meas** 1981 Feb;2(1):45-8

Low-dose CT scanning for quantitative spinal mineral analysis. Cann CE. **Radiology** 1981 Sep;140(3):813-5

ANATOMY & HISTOLOGY

A note on the vertebral formula of the donkey. Jamdar MN, et al. **Br Vet J** 1982 May-Jun;138(3):209-11

Articulations of the ribs: a pictorial review. Sutro CJ, et al. **Bull Hosp Joint Dis** 1981;41:1-18

Estimation of stature from the vertebral column in American Blacks. Tibbetts GL. **J Forensic Sci** 1981 Oct;26(4):715-23

[Functional anatomy of the vertebral joints] Putz R. **Norm Pathol Anat (Stuttg)** 1981;43:1-116 **(Ger)**

BLOOD SUPPLY

Development of bilateral collateral circulation after fracture of the axis. Horváth M, et al. **Acta Chir Acad Sci Hung** 1980;21(1):69-76

An evaluation of the intra-osseous arterial anastomoses in the human vertebral body at different ages. A microarteriographic study. Ratcliffe JF. **J Anat** 1982 Mar; 134 (Pt 2):373-82

Re: the role of vertebral veins in the dissemination of prostatic carcinoma [letter] Dimopoulos C, et al. **J Urol** 1982 Jul;128(1):155-6

[Vertebral venography in the diagnosis of disc herniations (author's transl)] Lu FL. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug; 15(3):209-11 **(Chi)**

CYTOLOGY

Evidence for the presence of osseous tissue in dogfish vertebrae. Peignoux-Deville J, et al. **Cell Tissue Res** 1982; 222(3):605-14

DRUG EFFECTS

[The effect of chronic aminoglutethimide and dehydroepiandrosterone treatment on various parameters of thigh and vertebral bones in rats] Boross M, et al. **ZFA (Dresden)** 1982 May-Jun;37(3):221-4 **(Ger)**

EMBRYOLOGY

Bovine somite development and vertebral anlagen establishment. Haldiman JT. **Anat Anz** 1981;10(4):289-309

Sequence of ossification in human vertebral neural arch centers. Ford DM, et al. **Anat Rec** 1982 May;203(1):175-8

GROWTH & DEVELOPMENT

Alterations in vertebral growth following prolonged plaster immobilisation. McCall IW, et al. **Acta Orthop Scand** 1981 Jun;52(3):327-30

Spinal instability: orthopedic perspective and prevention. Bradford DS. **Clin Neurosurg** 1980;27:591-610 (75 ref.)

[Etiology of idiopathic scoliosis from the viewpoint of physical therapy] Riede D, et al. **Beitr Orthop Traumatol** 1981 Aug;28(8):421-8 (Eng. Abstr.) **(Ger)**

[Idiopathic scoliosis and Scheuermann's disease: essentially identical manifestations of neuro-vertebral growth disproportion] Roth M. **Radiol Diagn (Berl)** 1981; 22(3):380-91 (Eng. Abstr.) **(Ger)**

[Postnatal histogenesis of the cartilage plate of the spinal column -light and electron microscopic observations (author's transl)] Higuchi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jun;55(6):589-600 (Eng. Abstr.) **(Jpn)**

INNERVATION

Synaptogenesis in chick paravertebral sympathetic ganglia: a morphometric analysis. Hruschak KA, et al. **Brain Res** 1982 Jun;256(2):229-40

Congenital cervical scoliosis with unilateral congenital nerve deficit in the upper extremity. Report of two cases. Winter RB, et al. **Spine** 1981 Jul-Aug;6(4):341-6

METABOLISM

Trace elements in the vertebral column in idiopathic scoliosis. Milachowski K, et al. **Arch Orthop Trauma Surg** 1982; 99(3):161-5

On spinal mineral loss after the menopause [letter] Mazess RB. **JAMA** 1981 Nov 20;246(20):2322-3

PATHOLOGY

Vertebral osteochondrosis (Scheuermann's kyphosis). Bradford DS. **Clin Orthop** 1981 Jul-Aug;(158):83-90

Nonstandard vertebral rotation in scoliosis screening patients. Its prevalence and relation to the clinical deformity. Armstrong GW, et al. **Spine** 1982;7(1):50-4

Congenital scoliosis. A histopathologic study. Shapiro F, et al. **Spine** 1981 Mar-Apr;6(2):107-17

[Evaluation of the effect of growth on the development of curves of the scoliotic spine under conditions of comprehensive conservative treatment (author's transl)] Fait M, et al. **Acta Chir Orthop Traumatol Cech** 1981 Jun; 48(3):213-9 (Eng. Abstr.) **(Cze)**

[Spinal involvement in chronic polyarthritis] Trost H. **Schweiz Med Wochenschr** 1982 Jun 19;112(25):878-83 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mobility with rigidity: a view of the spine. Bywaters EG. **Ann Rheum Dis** 1982 Apr;41(2):210-4

The horizontal and vertical cervico-ocular reflexes of the rabbit. Barmack NH, et al. **Brain Res** 1981 Nov 16; 224(2):261-78

Mechanical properties of fish backbones in lateral bending and in tension. Hebrank MR. **J Biomech** 1982;15(2):85-9

A technique for measurement and description of three-dimensional six degree-of-freedom motion of a body joint with an application to the human spine. Panjabi MM, et al. **J Biomech** 1981;14(7):447-60

A method of analyzing the three-dimensional stiffness properties of the intact human lumbar spine. Laborde JM, et al. **J Biomech Eng** 1981 Nov;103(4):299-300

Repeatability studies of a television/computer system for measuring spinal and pelvic movements. Thurston AJ. **J Biomed Eng** 1982 Apr;4(2):129-32

Structural analysis for the forces in the human spinal column and its musculature. Yettram AL, et al. **J Biomed Eng** 1982 Apr;4(2):118-24

Error limitations in X-ray kinematics of the spine. Schram SB, et al. **J Manipulative Physiol Ther** 1982 Mar;5(1):5-10

Reliability in evaluating passive intervertebral motion. Gonnella C, et al. **Phys Ther** 1982 Apr;62(4):436-44

Vibration and the human spine. Wilder DG, et al. **Spine** 1982 May-Jun;7(3):243-54

[Paramorphism and the sport of volley ball] Fraccaroli G. **Minerva Med** 1981 Dec 22,72(51):3551-4 (Eng. Abstr.) **(Ita)**

[Device and method for determining the functional state of the spine] Akhmadov TZ. **Ortop Travmatol Protez** 1981 Dec;(12):54-5 **(Rus)**

PHYSIOPATHOLOGY

The role of specific manipulation towards alleviating abnormalities in body mechanics and restoration of spinal motion. Nall SK. **J Manipulative Physiol Ther** 1982 Mar; 5(1):11-5

Monitoring spinal movement relating to back pain. Kiernan PJ. **Rheumatol Rehabil** 1981 Aug;20(3):143-7

RADIOGRAPHY

Direct coronal CT of the spine in infants and children. Kaiser MC, et al. **AJNR** 1981 Sep-Oct;2(5):465-6

Computed tomography of the paraspinal musculature: normal and pathologic anatomy. Osborn AG, et al. **AJR** 1982 Jan; 138(1):93-8

The radiographic assessment of spinal flexibility in scoliosis: a study of the efficacy of the prone push film. Kleinman RG, et al. **Clin Orthop** 1982 Jan-Feb;(162):47-53

Computed tomography of the spine: techniques and procedures. Coin CG, et al. **Comput Radiol** 1982 Mar-Apr; 6(2):69-74

CT examination of the spine and the spinal canal. Friedmann G, et al. **Eur J Radiol** 1982 Feb;2(1):60-5 (23 ref.)

Assessment of scoliosis using three-dimensional analysis. Cook LT, et al. **IEEE Trans Biomed Eng** 1981 Apr; 28(4):366-71

A clinical study of the differences between the scoliotic angles measured on posteroanterior and anteroposterior radiographs. DeSmet AA, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):489-93

The effects of two new compensating filters on patient exposure in chiropractic full spine radiography. Merkin JJ, et al. **J Manipulative Physiol Ther** 1982 Mar;5(1):25-9

Radiological examination of the rabbit. The head, thorax and vertebral column. Gibbs C, et al. **J Small Anim Pract** 1981 Nov;22(11):687-703

High resolution CT spinal scanning with Acta 0200 FS. Ruggiero R, et al. **Neuroradiology** 1981;22(1):23-5

Direct coronal slices on CT scanning of the spine. Technical note. Veiga-Pires JA, et al. **Neuroradiology** 1982; 22(4):203-5

Determination of the active marrow dose distribution within the paediatric pelvis and spine. Chen WL. **Phys Med Biol** 1982 Jan;27(1):133-44

High-resolution computed tomography of the lumbar spine. Heithoff KB. **Postgrad Med** 1981 Nov;70(5):193-9, 202-6, 208 passim

Routine radiographic assessment of the scoliotic spine. Farren J. **Radiography** 1981 Apr;47(556).92-6

Epidurography using epinephrine and tomography. Easterbrook JS, et al. **Radiology** 1981 Sep;140(3):709-11

Clinical relevance of radiologic examination of the skeleton and bone density measurements in osteoporosis of old age. Kovarik J, et al. **Skeletal Radiol** 1981;7(1):37-41

Mycobacterium intracellulare infection of the shoulder and spine in a patient with steroid-treated systemic lupus erythematosus. Zvetina JR, et al. **Skeletal Radiol** 1982; 8(2):111-3

Estimation of vertebral rotation and the spinal and rib cage deformity in scoliosis by computer tomography. Aaro S, et al. **Spine** 1981 Sep-Oct;6(5):460-7

The derotating effect of the Boston brace: a comparison between computer tomography and a conventional method. Aaro S, et al. **Spine** 1981 Sep-Oct;6(5):477-82

The longitudinal axis rotation of the apical vertebra, the vertebral, spinal, and rib cage deformity in idiopathic scoliosis studied by computer tomography. Aaro S, et al. **Spine** 1981 Nov-Dec;6(6):567-72

Radiology of the skull and cervical spine. McNeel SV. **Vet Clin North Am [Small Anim Pract]** 1982 May; 12(2):259-94

[Epidural venography of the spine (author's transl)] Liu DH. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May; 15(2):138-42 **(Chi)**

[Our first experience with computerized tomography of the spine and the spinal cord (author's transl)] Cernoch Z, et al. **Cesk Radiol** 1981 Sep;35(5):352-8 (Eng. Abstr.) **(Cze)**

[A new case of the association of ankylosing vertebral hyperostosis and ossification of the common posterior vertebral ligament] Karras D, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):63-6 **(Fre)**

[Ossification of the posterior longitudinal ligament] Saporta L, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):55-8 **(Fre)**

[Computed tomography of the spine (author's transl)] Schubiger O, et al. **Praxis** 1982 Apr 20;71(16):674-80 (Eng. Abstr.) **(Ger)**

[Spinal angiography - methodical aspects (author's transl)] Molsen HP, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):142-52 (Eng. Abstr.) **(Ger)**

[Correlation between compression characteristics and CAT densitometry values of vertebral bodies (author's transl)] Weh L, et al. **Res Exp Med (Berl)** 1982;180(1):85-94 (Eng. Abstr.) **(Ger)**

[Advantages and risks of roentgen examinations of the thorax and spine] Schawow A. **Z Arztl Fortbild (Jena)** 1982 Apr 15;76(8):325-7 **(Ger)**

[Differential diagnosis of early scoliosis in Scheuermann's disease and idiopathic scoliosis (author's transl)] Mau H. **Z Orthop** 1982 Feb;120(1):58-63 (Eng. Abstr.) **(Ger)**

[Shape and posture of the normal vertebral column in X-rays (author's transl)] Menge M. **Z Orthop** 1982 Apr; 120(2):146-50 **(Ger)**

[Computed tomography of spine and spinal cord (author's transl)] Maehara T. **No Shinkei Geka** 1981 Aug; 9(9):993-1006 (30 ref.) **(Jpn)**

[Spinal cord and cauda equina injuries without radiological changes in the spine] Swiderski W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):349-53 (Eng. Abstr.) **(Pol)**

[Importance of Risser's test for the prognosis of the course of scoliosis] Neiman IZ, et al. **Ortop Travmatol Protez** 1981 Dec;(12):28-31 (Eng. Abstr.) **(Rus)**

[Radiological changes after anterior spondylodesis and replacement of bone cavities with allotransplants free of bone marrow] Salmagambetov IU, et al. **Probl Tuberk** 1981 Sep;(9):36-9 (Eng. Abstr.) **(Rus)**

[Functional study of the spine using large-image fluorography] Kovriga IuP. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):67-70 (Eng. Abstr.) **(Rus)**

[Electroradiography of the spine and pelvis] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1982 May-Jun;(3):34-9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Bone scintigraphy in patients with juvenile kyphosis (M. Scheuermann). Winter WA, et al. **Diagn Imaging** 1981; 50(4):186-90

SURGERY

Tuberculous spondylitis. Experience with costovertebrotomy--spondylodesis. Riskó T, et al. **Acta Chir Acad Sci Hung** 1980;21(1):99-102

Epidural nerve stimulation of the lower spinal cord and cauda equina for the relief of intractable pain in failed low back surgery. Blume H, et al. **Appl Neurophysiol** 1982; 45(4-5):456-60

The spine and surgical treatment in osteogenesis imperfecta. Benson DR, et al. **Clin Orthop** 1981 Sep;(159):147-53

Painless jogging for 15 000 km after a lumbosacral stabilisation with screws and cement. Graham CE. **Med J Aust** 1982 May 1;1(9):389

Sitting prone position for the posterior surgical approach to the spine and posterior fossa. Cook AW, et al. **Neurosurgery** 1982 Feb;10(2):232–5

Effect of the Harrington compression system on the correction of the rib hump in spinal instrumentation for idiopathic scoliosis. Gaines RW, et al. **Spine** 1981 Sep–Oct; 6(5):489–93

A new technique for intraoperative monitoring of spinal cord function: multichannel recording of spinal cord and subcortical evoked potentials. Lueders H, et al. **Spine** 1982 Mar–Apr;7(2):110–5

The correction of postural curves of the spine. Luque ER. **Spine** 1982 May–Jun;7(3):270–5

Transverse traction in the treatment of scoliosis. A preliminary report. Wolf AW, et al. **Spine** 1981 Mar–Apr; 6(2):134–8

[Consequences of suction drainage when applied in spinal posterior approach with opening of the dura-mater. Experimental study (author's transl)] Bisserié M, et al. **Ann Chir** 1981 Sep;35(7):498–9 (Eng. Abstr.) **(Fre)**

[Intraoperative epidural opiate analgesia for pain treatment after spine surgery (author's transl)] Grabow L, et al. **Anasth Intensivther Notfallmed** 1982 Apr;17(2):96–7 (Eng. Abstr.) **(Ger)**

[Technical improvement of the electrical operating table for the use of the brilliance amplifier and for vertebral surgery] Bartolozzi P. **Arch Putti Chir Organi Mov** 1981;31:447–9 **(Ita)**

[Stenosis of the spinal canal caused by reparative osteogenesis after hemilaminoarthrectomy] Frignani R, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):519–22 **(Ita)**

[Therapy of pain with transcutaneous electrostimulation in the postoperative period in vertebro-medullary surgery] Nori R, et al. **Minerva Anestesiol** 1981 Aug;47(8):561–3 **(Ita)**

[Artificial hemodiluuion against a background of ganglionic blockade in spinal operations on children with scoliosis] Korolenko OA. **Anesteziol Reanimatol** 1981 Nov–Dec; (6):23–5 (Eng. Abstr.) **(Rus)**

[Blood loss: its prevention and correction in spinal operations for scoliosis] Fishchenko VIa. **Ortop Travmatol Protez** 1982 Feb;(2):5–7 (Eng. Abstr.) **(Rus)**

[A device for dissecting vertebral bodies] Solenyi VI. **Zh Vopr Neirokhir** 1982 Mar–Apr;(2):60 **(Rus)**

ULTRASTRUCTURE

The scanning electron microscopy of compressed vertebral bodies. Eurell JA, et al. **Spine** 1982 Mar–Apr;7(2):123–8

[The electron microscopic studies of the defected parts in the neural arch in spondylolysis (author's transl)] Oe Y. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):747–56 (Eng. Abstr.) **(Jpn)**

[Relief characteristics of the trabecular surface of the substantia spongiosa of human vertebrae] Dokʻnorov AA, et al. **Arkh Anat Gistol Embriol** 1982 May;82(5).61–70 (Eng. Abstr.) **(Rus)**

SPINOTHALAMIC TRACTS

ANATOMY & HISTOLOGY

Spinothalamic cells in the rat lumbar cord with collaterals to the medullary reticular formation. Kevetter GA, et al. **Brain Res** 1982 Apr 22;238(1):181–5

Observations on the synaptology of intracellularly injected spinothalamic tract neurons in the cat. Snow PJ, et al. **Brain Res** 1981 Dec 21;229(2):491–5

DRUG EFFECTS

Responses of thoracic spinothalamic neurons to intracardiac injection of bradykinin in the monkey. Blair RW, et al. **Circ Res** 1982 Jul;51(1):83–94

The effects of serotonin antagonists on the inhibition of primate spinothalamic tract cells produced by stimulation in nucleus raphe magnus or periaqueductal gray. Yezierski RP, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):266–77

PHYSIOLOGY

Inhibition of primate spinothalamic tract neurons by stimulation in ipsilateral or contralateral ventral posterior lateral (VPLc) thalamic nucleus. Gerhart KD, et al. **Brain Res** 1981 Dec 21;229(2):514–9

Responses of primate spinothalamic neurons located in the sacral intermediomedial gray (Stilling's nucleus) to proprioceptive input from the tail. Milne RJ, et al. **Brain Res** 1982 Feb 25;234(2):227–36

Characteristics of primate spinothalamic tract neurons receiving viscerosomatic convergent inputs in T3–T5 segments. Blair RW, et al. **J Neurophysiol** 1981 Oct; 46(4):797–811

Inhibitory receptive fields of primate spinothalamic tract cells. Gerhart KD, et al. **J Neurophysiol** 1981 Dec; 46(6):1309–25

Spinothalamic tract neurons that project to medial and/or lateral thalamic nuclei: evidence for a physiologically novel population of spinal cord neurons. Giesler GJ Jr, et al. **J Neurophysiol** 1981 Dec;46(6):1285–308

Responses of spinothalamic tract cells in the thoracic spinal cord of the monkey to cutaneous and visceral inputs. Foreman RD, et al. **Pain** 1981 Oct;11(2):149–62

Facilitation of the response of primate spinothalamic cells to cold and to tactile stimuli by noxious heating of the skin. Kenshalo DR Jr, et al. **Pain** 1982 Feb;12(2):141–52

PHYSIOPATHOLOGY

Convergence of cutaneous and pelvic visceral nociceptive inputs onto primate spinothalamic neurons. Milne RJ, et al. **Pain** 1981 Oct;11(2):163–83

[Transmission of nociceptive information along the spino-cervico-thalamic component of the lemniscal system] Smolin LN. **Biull Eksp Biol Med** 1981 Sep; 92(9):273–5 (Eng. Abstr.) **(Rus)**

SURGERY

The role of percutaneous cordotomy in the treatment of chronic cancer pain. Meglio M, et al. **Acta Neurochir (Wien)** 1981;59(1–2):111–21

Stereotaxic rostral mesencephalotomy in treatment of malignant faciothoracobrachial pain syndromes. A survey of 14 treated patients. Frank F, et al. **J Neurosurg** 1982 Jun;56(6):807–11

SPIPERONE see under **BUTYROPHENONES**

SPIRAL GANGLION see under **COCHLEA**

SPIRAL LAMINA see under **COCHLEA**

SPIRAL ORGAN see **ORGAN OF CORTI**

SPIRAMYCINS see **LEUCOMYCINS**

SPIRILLACEAE

GROWTH & DEVELOPMENT

Effect of inoculation of Zea mays with Azospirillum brasilense strains under temperate conditions. O'Hara GW, et al. **Can J Microbiol** 1981 Sep;27(9):871–7

METABOLISM

L-arabinose metabolism in Azospirillum brasiliense. Novick NJ, et al. **J Bacteriol** 1982 Jan;149(1):364–7

SPIRILLUM

CLASSIFICATION

Immunological techniques to identify Azospirillum associated with wetland rice. Ladha JK, et al. **Can J Microbiol** 1982 May;28(5):478–85

ULTRASTRUCTURE

Structure of the regular surface layer of Aquaspirillum serpens MW5. Stewart M, et al. **J Bacteriol** 1982 Apr; 150(1):348–57

Trailing flagella rotate faster than leading flagella in unipolar cells of Spirillum volutans. Swan MA. **J Bacteriol** 1982 Apr;150(1):377–80

Spiral-shaped bacteria in the cecal mucosa of the Amami spinous country-rat, Tokudaia osimensis osimensis. Kurohmaru M, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):93–8

SPIRITUALISM

Spirit possession and neuroticism in West Indian Pentecostal community. Ward C, et al. **Br J Clin Psychol** 1981 Nov; 20(Pt 4):295–6

Exorcism and possession in psychotherapy practice. Henderson J. **Can J Psychiatry** 1982 Mar;27(2):129–34

The sociopsychiatry of espiritismo: findings of a study in psychiatric populations of Puerto Rican and other Hispanic children. Bird HR, et al. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):725–40

Spirit possession in the Cook Islanders. Apeldoorn J. **NZ Med J** 1981 Dec 9;94(697):426–7

[Demoniac possession--from a psychodynamic point of view (author's transl)] Mester H. **Psychother Psychosom Med Psychol** 1981 Jul;31(4):101–12 (Eng. Abstr.) **(Ger)**

SPIRO COMPOUNDS

Detection of p-aminobenzoylpoly(gamma-glutamates) using fluorescamine. Furness RA, et al. **Anal Biochem** 1981 Oct; 117(1):126–35

A rapid method for the analysis of N tau-methylhistidine in human urine. Murray AJ, et al. **Anal Biochem** 1981 Sep 15;116(2):537–44

Fluorescamine and fluorescein: a new energy-transfer pair and its application to the binding of histone H5 to nucleosomes. Wingender E. **Anal Biochem** 1982 Mar 15; 121(1):146–50

Determination of endotoxin using fluorescent probe. Yoshida K, et al. **Clin Chim Acta** 1982 May 20;121(2):265–70

The formaldehyde-fluorescamine method. An investigation of reaction mechanisms and optimization of the method. Hougaard DM, et al. **Histochemistry** 1981;72(3):401–13

ADMINISTRATION & DOSAGE

Phase I trial of spirogermanium given by infusion in a multiple-dose schedule. Budman DR, et al. **Cancer Treat Rep** 1982 Jan;66(1):173–5

BLOOD

Effect of tumors on the concentration of leucogenenol in the serum of mice. Rice FA, et al. **Cancer Res** 1981 Dec; 41(12 Pt 1):4976–80

CHEMICAL SYNTHESIS

Synthesis and antihypertensive activity of a series of 8-substituted 1-oxa-3,8-diazaspiro[4.5]decan-2-ones. Caroon JM, et al. **J Med Chem** 1981 Nov;24(11):1320–8

ISOLATION & PURIFICATION

Anisatin, a potent GABA antagonist, isolated from Illicium anisatum. Kudo Y, et al. **Neurosci Lett** 1981 Aug 7; 25(1):83–8

PHARMACODYNAMICS

Effect of fluorescamine modification of purple membranes on exciton coupling and light-to-dark adaptation. Lam E, et al. **Biochem Biophys Res Commun** 1981 Jul 30; 101(2):464–71

Effects of anisatin on the GABA action in the crayfish neuromuscular junction. Shinozaki H, et al. **Brain Res** 1981 Oct 19;222(2):401–5

Cytotoxic effects and biological activity of 2-aza-8-germanspiro[4,5]-decane-2-propanamine-8,8-diet dichloride (NSC 192965; spirogermanium) in vitro. Hill BT, et al. **Cancer Res** 1982 Jul;42(7):2852–6

Uncoupling of Ca2+ transport in sarcoplasmic reticulum as a result of labeling lipid amino groups and inhibition of Ca2+-ATPase activity by modification of lysine residues of the Ca2+-ATPase polypeptide. Hidalgo C, et al. **J Biol Chem** 1982 Jan 10;257(1):208–16

Effect of leucogenenol, a thymothyroid hormone, on allograft rejection and hemolysin formation. Rice FA, et al. **J Immunol** 1982 Apr;128(4):1769–71

THERAPEUTIC USE

Phase II trial of spirogermanium in breast adenocarcinoma: a Cancer and Leukemia Group B Study. Budman DR, et al. **Cancer Treat Rep** 1982 Aug;66(8):1667–8

Phase II trial of spirogermanium in advanced epithelial carcinoma of the ovary. Weiselberg L, et al. **Cancer Treat Rep** 1982 Aug;66(8):1675–6

Effect of Leucogenenol on recovery from immunosuppressin by anti-lymphocyte globulins. Rice FA, et al. **J Immunol** 1981 Oct;127(4):1601–3

[Comparative studies on the tranquilizer effect of fluspirilene and bromazepam] Thilmann J. **Med Welt** 1981 Dec 25; 32(51–52):1959–61 **(Ger)**

[Anti-inflammatory therapeutic activity of fenspiride in the treatment of chronic bronchopneumopathies] Cardaci G, et al. **Clin Ter** 1982 May 15;101(3):275–95 **(Ita)**

SPIROCHAETA

ISOLATION & PURIFICATION

Physiological diversity of rumen spirochetes. Paster BJ, et al. **Appl Environ Microbiol** 1982 Mar;43(3):686–93

Isolation of intestinal spirochaetes from homosexuals. Tompkins DS, et al. **J Clin Pathol** 1981 Dec;34(12):1385–7

METABOLISM

[Spirochetes. I. Metabolism and physiology] Yanagihara Y, et al. **Nippon Saikingaku Zasshi** 1980 May;35(3):517–28 (125 ref.) **(Jpn)**

PHYSIOLOGY

Chemotaxis of Spirochaeta aurantia: involvement of membrane potential in chemosensory signal transduction. Goulbourne EA Jr, et al. **J Bacteriol** 1981 Dec; 148(3):837–44

SPIROCHAETALES

ENZYMOLOGY

Distribution of superoxide dismutase, catalase, and peroxidase activities among Treponema pallidum and other spirochetes. Austin FE, et al. **Infect Immun** 1981 Aug; 33(2):372–9

GROWTH & DEVELOPMENT

Use of fluorescence microscopy for monitoring periodontal disease state. Chan EC, et al. **Can J Microbiol** 1981 Jul; 27(7):675–8

ISOLATION & PURIFICATION

Blood parasites of birds in Central Europe. 4. Trypanosoma, 'Atoxoplasma', Microfilariae and other rare haematozoa. Kučera J. **Folia Parasitol (Praha)** 1982;29(2):107–13

Spirochete isolated in tick vectors of Lyme disease [news] **Hosp Pract** 1982 Aug;17(8):46, 54–5

Rifampin as a selective agent for isolation of oral spirochetes. Leschine SB, et al. **J Clin Microbiol** 1980 Dec;12(6):792–5

Staining intestinal spirochaetes. Burns PA. **Med Lab Sci** 1982

Jan;39(1):75–7

METABOLISM

Adenosine 5'-triphosphate- yielding pathways of branched-chain amino acid fermentation by a marine spirochete. Harwood CS, et al. **J Bacteriol** 1981 Oct; 148(1):117–23

Branched-chain amino acid fermentation by a marine spirochete: strategy for starvation survival. Harwood CS, et al. **J Bacteriol** 1981 Oct;148(1):109–16

SPIROCHAETALES INFECTIONS

Lyme disease: spirochetes up to old ticks? [news] Gunby P. **JAMA** 1982 Aug 20;248(7):812–3

COMPLICATIONS

Spirochaetosis: a remediable cause of diarrhoea and rectal bleeding? Douglas JG, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1362

Spirochaetosis: a remediable cause of diarrhoea and rectal bleeding? [letter] Tomkins DS, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):52

DIAGNOSIS

Staining intestinal spirochaetes. Burns PA. **Med Lab Sci** 1982 Jan;39(1):75–7

MICROBIOLOGY

Spirochete isolated in tick vectors of Lyme disease [news] **Hosp Pract** 1982 Aug;17(8):46, 54–5

Lyme disease–a tick-borne spirochetosis? Burgdorfer W, et al. **Science** 1982 Jun 18;216(4552):1317–9

PATHOLOGY

Human intestinal spirochaetosis. Crucioli V, et al. **Scand J Gastroenterol [Suppl]** 1981;70:177–9

[Intestinal spirochetosis (author's transl)] Lesbros F, et al. **Arch Anat Cytol Pathol** 1981;29(4):249–51 (Eng. Abstr.) **(Fre)**

[Case of spirochetosis of the large intestine with intracellular localization of bacteria] Koval'chuk VK, et al. **Arkh Patol** 1981;43(5):59–62 **(Rus)**

SPIROCHETE INFECTIONS see **SPIROCHAETALES INFECTIONS**

SPIROLACTONE see **SPIRONOLACTONE**

SPIROMETRA

ANALYSIS

Spirometra mansonoides: lectin analysis of tegumental glycopeptides. Friedman PA, et al. **Exp Parasitol** 1982 Aug; 54(1):93–103

[Two European Spirometra forms (Cestoidea: Diphyllobothriidae) with different Sparganum growth factors] Odening K, et al. **Angew Parasitol** 1982 Feb; 23(1):15–27 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

A case record of Spirometra erinacei in a stray dog in Zagazig. Fayek SA. **J Egypt Soc Parasitol** 1981 Jun; 11(1):219–23

SPIROMETRY

Noncomparability of longitudinally and cross-sectionally determined annual change in spirometry. Glindmeyer HW, et al. **Am Rev Respir Dis** 1982 May;125(5):544–8

Reference spirometric values using techniques and equipment that meet ATS recommendations [letter] Terrin M. **Am Rev Respir Dis** 1981 Dec;124(6):763–4

Maximizing spirometry in reversible airways diseases. Avery WG. **Ann Allergy** 1981 Nov;47(5 Pt 2):410–4

Physiological responses to spirometer load. Schuhmann RE, et al. **Arch Int Physiol Biochim** 1981 Dec;89(5):435–44

What is significant spirometric variability? [editorial] McCaffree DB, et al. **Arch Intern Med** 1982 Aug; 142(8):1443

Daily spirometric variability: normal subjects and subjects with chronic bronchitis with and without airflow obstruction. Rozas CJ, et al. **Arch Intern Med** 1982 Jul; 142(7):1287–91

Underestimation of closing volume with increase in airflow obstruction. A study of single-breath nitrogen washout test and spirometry. Andersen LH, et al. **Bull Eur Physiopathol Respir** 1981;17(5):823–36

The normal ranges in spirometric indices [letter] Weiss W. **Chest** 1982 May;81(5):658–9

An evaluation of incentive spirometry in the management of pulmonary complications after cardiac surgery in a pediatric population. Krastins I, et al. **Crit Care Med** 1982 Aug;10(8):525–8

[Assessment of cardiopulmonary functional capacity with ergospirometric parameters at a capacity of 1 w/kg body weight] Schwalb H, et al. **Fortschr Med** 1981 Aug 13; 99(30):1196–201 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A digital display revolution counter. Brodie DA, et al. **Br J Sports Med** 1981 Jun;15(2):133–5

Pocket-sized device for measuring forced expiratory volume in one second and forced vital capacity. Chowienczyk PJ, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):15–7

A survey on spirometer calibration. Part one: Census and in field control of devices. Arossa W, et al. **Med Lav** 1981 May-Jun;72(3):177–82

Incentive spirometer for bedside studies. Scheinhorn DJ, et al. **South Med J** 1982 Jun;75(6):687–90, 693

[A minispirometer (author's transl)] Godart G, et al. **Rev Med Brux** 1981 Dec;2(10):957–9 (Eng. Abstr.) **(Fre)**

METHODS

Manual for evaluation of lung function by spirometry. Prepared by the Cardiopulmonary Council of the American Heart Association. **Circulation** 1982 Mar;65(3):644A–651A

[Role of spiroergography in the diagnosis of early stages of cardiac insufficiency] Koledenok VI, et al. **Voen Med Zh** 1982 Feb;(2):56–8 **(Rus)**

[Respirometry by bipolar electric transthoracic impendance] Clavin OE, et al. **Acta Physiol Lat Am** 1978;28(6):243–53 (Eng. Abstr.) **(Spa)**

STANDARDS

Standard waveforms for spirometer testing. Hankinson JL, et al. **Am Rev Respir Dis** 1982 Aug;126(2):362–4

[Reproducibility of spirographic indices in patients with lung diseases] Nefedov VB, et al. **Ter Arkh** 1981;53(12):54–6 (Eng. Abstr.) **(Rus)**

SPIRONOLACTONE

ADMINISTRATION & DOSAGE

[Long term experiences with a solid spironolactone-furosemide combination in heart insufficiency and hypertension] Bachour G. **Med Klin [Prax]** 1982 May 7;77(10):54–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Case study: drug-induced electrolyte changes. Weishar C. **Am J Med Technol** 1982 May;48(5):339–41

Spironolactone hepatitis in primary hyperaldosteronism. Shuck J, et al. **Ann Intern Med** 1981 Dec;95(6):708–10

Spironolactone and diabetic ketoacidosis. Jariwalla AG, et al. **Postgrad Med J** 1981 Sep;57(671):573–4

Tumorigenic aspect of spironolactone [letter] Ross HD. **West J Med** 1981 Sep;135(3):244

[Intolerance to spironolactone in refractory cardiac insufficiency. Probable changes in the aldosterone receptors. Study of 11 cases] Sánchez Torres G, et al. **Arch Inst Cardiol Mex** 1981 May-Jun;51(3):233–40 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Comparison of prorenoate potassium and spironolactone after repeated doses and steady state plasma levels of active metabolites. McInnes GT, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):187–94

Effect of aldosterone antagonists on mineralocorticoid synthesis in vitro. Inhibition of aldosterone production by prorenoate-K. Netchitailo P, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):243–9

A structure-activity relationship study of spirolactones. Contribution of the cyclopropane ring to antimineralocorticoid activity. Chinn LJ, et al. **J Med Chem** 1981 Sep;24(9):1103–7

Conversion of spironolactone to an active metabolite in target tissues: formation of 7 alpha-thiospironolactone by microsomal preparations from guinea pig liver, adrenals, kidneys, and testes. Sherry JH, et al. **Life Sci** 1981 Dec 28;29(26):2727–36

[Action mechanism and metabolism of 17-spirolactones in the body] Miyazaki T. **Nippon Rinsho** 1982;40(3):652–9 **(Jpn)**

BLOOD

[On the pharmacokinetics of spironolactone in the elderly] Abshagen U, et al. **Klin Wochenschr** 1981 Aug 17; 59(16):909–10 (Eng. Abstr.) **(Ger)**

METABOLISM

The bioavailability of spironolactone hydrochlorothiazide combination preparation. Rameis H, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jul;20(7):327–33

Conversion of spironolactone to an active metabolite in target tissues: formation of 7 alpha-thiospironolactone by microsomal preparations from guinea pig liver, adrenals, kidneys, and testes. Sherry JH, et al. **Life Sci** 1981 Dec 28;29(26):2727–36

[Comparative bioavailability of two forms of spironolactone. Rationalization applied to dosage (author's transl)] d'Athis P, et al. **Therapie** 1981 Jul-Aug;36(4):443–9 (Eng. Abstr.) **(Fre)**

[Bioavailability studies of two spironolactone-preparations (author's transl)] Vergin H, et al. **Arzneimittelforsch** 1981; 31(9):1498–503 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of spironolactone and amiloride on corticosteroid-induced changes in colonic function. Charney AN, et al. **Am J Physiol** 1981 Oct;241(4):G300–5

Antagonism of aldosterone in normal subjects by Ro 12–2503 and spironolactone. Dux S, et al. **Arzneimittelforsch** 1982; 32(2):164–9

Effect of spironolactone on bilirubin metabolism in rat liver and small intestinal mucosa. Morisoli LS, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1469–74

The effect of spironolactone pretreatment on digitoxin metabolism in isolated hepatocytes from male and female rats. Ohta M, et al. **Biochem Pharmacol** 1982 Jun 15; 31(12):2192–4

Comparison of prorenoate potassium and spironolactone after repeated doses and steady state plasma levels of active metabolites. McInnes GT, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):187–94

Spironolactone dose-response relationships in healthy subjects. McInnes GT, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):513–8

Dose-response relationships for spironolactone at steady state. McInnes GT, et al. **Clin Pharmacol Ther** 1982 Mar; 31(3):317–23

Relative potency of amiloride and spironolactone in healthy man. McInnes GT. **Clin Pharmacol Ther** 1982 Apr; 31(4):472–7

Effect of spironolactone on systemic blood pressure, limb blood flow and response to sympathetic stimulation in hypertensive patients. Clement DL. **Eur J Clin Pharmacol** 1982;21(4):263–7

Systolic time intervals during spironolactone treatment of digitalized and non-digitalized patients with ischaemic heart disease. Waldorff S, et al. **Eur J Clin Pharmacol** 1982; 21(4):269–73

Biliary excretion of sulfobromophthalein in isolated perfused livers from normal and spironolactone-treated rats. Pellegrino JM, et al. **Experientia** 1982 Jan 15;38(1):112–4

Inhibition of sebaceous gland activity by spironolactone in Syrian hamster. Luderschmidt C, et al. **J Invest Dermatol** 1982 Mar;78(3):253–5

Mechanism of the antimineralocorticoid effects of spirolactones. Corvol P, et al. **Kidney Int** 1981 Jul;20(1):1–6 (61 ref.)

Spironolactone inhibits vascular reactivity by a prostaglandin related mechanism unconnected with aldosterone. Oka M, et al. **Prostaglandins Med** 1981 Oct;7(4):305–19

Effect of spironolactone on hepatic microsomal monooxygenase and azoreductase activities. Fujita S, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):87–103

[Effect of spironolactone (Aldactone-A) on the function of the thyroid gland in white rats] Bordás E, et al. **Endocrinologie** 1981 Jan-Mar;19(1):33–7 **(Fre)**

[Study on the effect and tolerance of Acelate as an aldosterone antagonist] Babej RM. **Med Welt** 1982 Jun 4; 33(22):834–6 **(Ger)**

THERAPEUTIC USE

Spironolactone therapy in infants with congestive heart failure secondary to congenital heart disease. Hobbins SM, et al. **Arch Dis Child** 1981 Dec;56(12):934–8

Comparison of single and divided daily dose spironolactone in the control of hypertension [letter] Bell GM, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):585–8

Relative potency of spironolactone, triamterene and potassium chloride in thiazide-induced hypokalaemia. Jackson PR, et al. **Br J Clin Pharmacol** 1982 Aug; 14(2):257–63

Spironolactone and hydroflumethiazide in the treatment of hypertension. Akbar FA, et al. **Br J Clin Pract** 1981 Sep; 35(9):317–21

Control of malignant ascites with spironolactone. Greenway B, et al. **Br J Surg** 1982 Aug;69(8):441–2

Precision of digoxin radioimmunoassays and matrix effects: four kits compared. Bergdahl B, et al. **Clin Biochem** 1981 Apr;14(2):67–71

Adrenal scintigraphy in primary aldosteronism. Spironolactone as a cause of incorrect classification between adenoma and hyperplasia. Fischer M, et al. **Eur J Nucl Med** 1982;7(5):222–4

Induction of ovulation with spironolactone (Aldactone) in anovulatory oligomenorrheic and hyperandrogenic women. Evron S, et al. **Fertil Steril** 1981 Oct;36(4):468–71

A double-blind comparison of spironolactone and hydrochlorothiazide in hypertensive patients treated with metoprolol. Lavenius B, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jun;20(6):291–5

Diuresis in the ascitic patient: a randomized controlled trial of three regimens. Fogel MR, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:73–80

The patient with mild to moderate essential hypertension: peripheral renin activity and a comparative drug study. Merkle GW, et al. **J Indiana State Med Assoc** 1981 Jul; 74(7):444–9

Treatment of hirsutism with spironolactone. Cumming DC, et al. **JAMA** 1982 Mar 5;247(9):1295–8

[The influence of spironolactone on the concentration of gonadotrophins and gonadal hormones in prostatic

hypertrophy (author's transl)] Zgliczynski S, et al. **J Urol (Paris)** 1981;87(9):635–8 (Eng. Abstr.) **(Fre)**

[Disorders of water and electrolyte equilibrium in liver diseases. Part 3: therapy (author's transl)] Kuntz E. **MMW** 1982 May 14;124(19):465–7 (Eng. Abstr.) **(Ger)**

[Treatment of benign essential hypertension with an association of spironolactone and thiabutazide: an open multicenter study in general practice (author's transl)] Rhomberg F, et al. **Praxis** 1981 Dec 8;70(50):2269–78 (Eng. Abstr.) **(Ger)**

[Spironolactones in the treatment of arterial hypertension of different etiologies associated with hyperaldosteronism] Chikhladze NM. **Ter Arkh** 1981;53(6):74–8 (Eng. Abstr.) **(Rus)**

SPIROPLASMA

Viruses of mycoplasmas and spiroplasmas. Jansson E, et al. **Med Biol** 1982 Jun;60(3):125–31 (45 ref.)

DRUG EFFECTS

Sensitivity of various spiroplasma strains against ethanol, formalin, glutaraldehyde, and phenol. Stanek G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):348–54

ENZYMOLOGY

A third DNA polymerase from Spiroplasma citri and two other spiroplasmas. Charron A, et al. **J Bacteriol** 1982 Mar; 149(3):1138–41

Partial purification and cleavage specificity of a site-specific endonuclease, SciNI, isolated from Spiroplasma citri. Stephens MA. **J Bacteriol** 1982 Feb;149(2):508–14

GROWTH & DEVELOPMENT

Cultivation and partial characterization of spiroplasmas in cell cultures. Steiner T, et al. **Infect Immun** 1982 Jan; 35(1):296–304

Spiroplasmas: cultivation in chemically defined medium. Chang CJ, et al. **Science** 1982 Feb 26;215(4536):1121–2

SPIRUROIDEA

ANATOMY & HISTOLOGY

[Redescription of the infective stage of the filaria Parafilaria bovicola : close relationships between this genus and the Thelazia (author's transl)] Bain O. **Ann Parasitol Hum Comp** 1981;56(5):527–30 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Apparent inactivity of several antiparasitic compounds against the eyeworm Thelazia lacrymalis in equids. Lyons ET, et al. **Am J Vet Res** 1981 Jun;42(6):1046–7

GROWTH & DEVELOPMENT

Development of the bovine eyeworm, Thelazia gulosa (Railliet and Henry), in experimentally infected, female Musca autumnalis de Geer, Geden CJ, et al. **J Parasitol** 1982 Apr;68(2):287–92

PHYSIOLOGY

Migration of a spiruroid nematode through the brain of a horse. Mayhew IG, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1306–11

Susceptibility of mammalian hosts to larvae of Gnathostoma doloresi Tubangui 1925. Koga M, et al. **J Parasitol** 1981 Dec;67(6):965–6

SPLANCHNIC CIRCULATION

Hemodynamic consequences of defence area stimulation and afferent somatic nerve stimulation during fentanyl–nitrous oxide anesthesia. Modifying effects of droperidol. Biber B, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):336–43

Cardiac effects of splanchnic and non-splanchnic blood volume redistribution during aortic occlusions in dogs. Stokland O, et al. **Acta Physiol Scand** 1981 Oct; 113(2):139–46

Elevated arteriolar adenosine 3',5'-cyclic monophosphate production by SHR. Dusseau JW, et al. **Am J Physiol** 1982 Sep;243(3):H398–403

Sympathetic nerve function and vascular reactivity in spontaneously hypertensive rats. Ekas RD Jr, et al. **Am J Physiol** 1981 Nov;241(5):R379–84

A model of the mesenteric circulation. Jacobson ED, et al. **Am J Physiol** 1982 Jun;242(6):G541–6 (15 ref.)

Effect of pentobarbital anesthesia and surgery on the control of arterial pressure and mesenteric resistance in cats: role of vasopressin and angiotensin. McNeill JR, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):363–8

Microcirculation of left atrial muscle, cerebral cortex and mesentery of the cat. A comparative analysis. Chang BL, et al. **Circ Res** 1982 Feb;50(2):240–9

Effect of hypovolemic hypotension and laparotomy on splanchnic and hepatic arterial blood flow in dogs. Bohrer SL, et al. **Curr Surg** 1981 Sep–Oct;38(5):325–8

Portal pressure and variceal bleeding [letter] Danovitch SH. **Gastroenterology** 1982 Jul;83(1 Pt 1):158–9

Splanchnic vasoconstriction in heat-stressed men: role of renin–angiotensin system. Escourrou P, et al. **J Appl Physiol** 1982 Jun;52(6):1438–43

Differential effects of insulin on splanchnic and peripheral glucose disposal after an intravenous glucose load in man. Saccà L, et al. **J Clin Invest** 1982 Jul;70(1):117–26

Effect of buformin on splanchnic carbohydrate and substrate metabolism in healthy man. Bratusch-Marrain PR, et al. **Metabolism** 1981 Oct;30(10):946–52

Respiratory regulation of splanchnic and systemic venous return in normal subjects and in patients with hepatic cirrhosis. Moreno AH, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):257–67

[Relation between blood pH and flow in microcirculation in the rat] Bertuglia S, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2405–9 (Eng. Abstr.) **(Ita)**

[Adrenergic innervation of venous and lymphatic microvessels] Khaisman EB. **Biull Eksp Biol Med** 1982 Jan; 93(1):101–3 (Eng. Abstr.) **(Rus)**

[Changes in microcirculation and acid–base equilibrium after experimental resection of the stomach] Shtykhno IuM, et al. **Patol Fiziol Eksp Ter** 1981 Jul–Aug;(4):77–81 (Eng. Abstr.) **(Rus)**

[Infusion–transfusion therapy of the microcirculatory disorders and blood rheology in experimental hemorrhagic shock] Matvienko VP, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):32–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Splanchnic turn-over of some energy metabolites and acid–base balance during intravenous infusion of lidocaine, bupivacaine or etidocaine. Wiklund L, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):200–8

Effect of pentoxifylline on microvascular blood flow velocity. Ohshima N, et al. **Angiology** 1981 Nov; 32(11):752–63

The effect of the venom of Bitis gabonica on mesenteric and external iliac blood flow. – A preliminary study in the dog. Cerutti G, et al. **Boll Soc Ital Biol Sper** 1981 May 30; 57(10):1114–20

Hemodynamic and metabolic changes during stimulation of ileal motility. Walus KM, et al. **Dig Dis Sci** 1981 Dec; 26(12):1069–77

The effects of indomethacin and hemorrhage on splanchnic blood flow. Gerkens J, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):81–90

Effect of digitalis on estimated splanchnic blood flow. Bynum TE, et al. **J Lab Clin Med** 1982 Jan;99(1):84–91

Regional renal and splanchnic blood flows during nicotine infusion: effects of alpha and of combined alpha and beta adrenergic blockade. Downey HF, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):375–81

The role of volume depletion, antidiuretic hormone and angiotensin II in the furosemide-induced decrease in mesenteric conductance in the dog. Schmitt SL, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):407–14

Vascular effects of vasopressin an oxytocin in the pig mesenteric bed. Schrauwen E, et al. **Pflugers Arch** 1982 Jan;392(3):301–3

The role of prostacyclin (PGI2) in metabolic hyperemia. Fondacaro JD, et al. **Prostaglandins** 1981;21 Suppl:25–32

Interactions between dopamine and prostaglandins on vascular reactivity to noradrenaline: dopamine inhibits the action of PGE1. Oka M, et al. **Prostaglandins Med** 1981 Oct;7(4):267–80

Spironolactone inhibits vascular reactivity by a prostaglandin related mechanism unconnected with aldosterone. Oka M, et al. **Prostaglandins Med** 1981 Oct;7(4):305–19

[Action of vasodilator agents in experimental mesenteric circulatory failure] Pawlik WW, et al. **Folia Med Cracov** 1981;23(2):155–68 (Eng. Abstr.) **(Pol)**

SPLANCHNIC NERVES

ANATOMY & HISTOLOGY

Adrenomedullary ornithine decarboxylase activity: its use in biochemical mapping of the origins of the splanchnic nerve in the rat. Almazan G, et al. **Brain Res** 1982 Apr 15; 237(2):397–404

[The posterior vagus trunk and its connections with the secretory areas of the stomach: an anatomical study (author's transl)] Jarpa S, et al. **Rev Med Chil** 1980 Dec; 108(12):1109–11 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[Splanchnic nerve blocks by alcoholisation in pancreatico-solar hyperalgia of tumoral origin (author's transl)] Gestin Y, et al. **Anesth Analg (Paris)** 1981; 38(7–8):369–73 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Dopamine-beta-hydroxylase activity in the axillary bodies, the heart and the splanchnic nerve in two elasmobranchs, Squalus acanthias and Etmopterus spinax. Jönsson AC. **Comp Biochem Physiol [C]** 1982;71(2):191–4

GROWTH & DEVELOPMENT

[Development of sympathetic influences on lymph flow in the postnatal ontogeny of dogs] Bulekbaeva LE, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):140–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Studies on the extrinsic neural control of serotonin release from the small intestine. Larsson I. **Acta Physiol Scand [Suppl]** 1981;499:1–43

Participation of the reticular formation of the mesencephalon in the development of habituation to visceral influences. Chernigovskii VN, et al. **Biol Bull Acad Sci USSR** 1981 Jan–Feb;8(1):14–20

Assessment of true splanchnic glucoreceptors in the jejuno–ileum of the cat. Perrin J, et al. **Brain Res Bull** 1981 Dec;7(6):625–8

Greater splanchnic nerve activity in the rat. Sapru HN, et al. **Brain Res Bull** 1982 Mar;8(3):267–72

The glucose dependence of pancreatic endocrine responses to 2-deoxyglucose in the calf. Edwards AV, et al. **Experientia** 1982 Jul 15;38(7):815–6

Gastric motor response to sympathetic nerve stimulation. Lerman SH, et al. **J Surg Res** 1982 Jan;32(1):15–23

Characteristics of habituation in visceral systems. Mokrushin AA, et al. **Neurosci Behav Physiol** 1981 Sep–Oct; 11(5):470–7

Responses of spinothalamic tract cells in the thoracic spinal cord of the monkey to cutaneous and visceral inputs. Foreman RD, et al. **Pain** 1981 Oct;11(2):149–62

[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of inhibitory vagal fibers, before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):480–4 **(Ita)**

[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of excitatory vagal fibers before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):475–9 **(Ita)**

[Habituation in visceral systems] Musiashchikova SS, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):164–71 (Eng. Abstr.) **(Rus)**

[Impulse coherent component separation study of spontaneous activity of the splanchnic nerve in chronic experiments on dogs] Remizov IN, et al. **Neirofiziologiia** 1981;13(6):636–42 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypercapnia and hypoxia: chemoreceptor-mediated control of locus coeruleus neurons and splanchnic, sympathetic nerves. Elam M, et al. **Brain Res** 1981 Oct 19;222(2):373–81

SURGERY

Chronic pancreatitis and splanchnicectomy [letter] Pecora DV, et al. **Arch Surg** 1982 Jul;117(7):983

CT guided celiac plexus and splanchnic nerve neurolysis. Buy JN, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):315–9

SPLANCHNOPTOSIS see **VISCEROPTOSIS**

SPLEEN

Splenosis on the right kidney and the diaphragmatic surface following traumatic rupture of the spleen. Nielsen JL. **Acta Chir Scand** 1981;147(8):721–4

Salutary effects of a splenic factor in acute hemorrhagic shock. Spillert CR, et al. **Adv Shock Res** 1980;4:203–6

Infarction of an accessory spleen presenting as a uterine fibroid with necrosis. Boerlum KG. **Am J Obstet Gynecol** 1982 Aug 15;143(8):974

Splenosis: a cause of pelvic pain. Overton TH. **Am J Obstet Gynecol** 1982 Aug 15;143(8):969–70

Prolongation of intrasplenic islet xenograft survival. Janney CG, et al. **Am J Pathol** 1982 Apr;107(1):1–5

Splenic and total-body irradiation treatment of myasthenia gravis. Engel WK, et al. **Ann NY Acad Sci** 1981;377:744–54

Splenosis: first scintigraphic demonstration of extensive splenic implants. Moinuddin M. **Clin Nucl Med** 1982 Feb; 7(2):67–8

Destruction of hepatic and splenic tissue by freezing and heating. Gage AM, et al. **Cryobiology** 1982 Apr;19(2):172–9

Observations on the fine structure of long-survived isolated hepatocytes inoculated into rat spleen. Kusano M, et al. **Gastroenterology** 1982 Apr;82(4):616–28

How I examine the spleen. Sapira JD. **J Med Assoc State Ala** 1982 Mar;51(9):12–3

Ectopic spleen. A sonographic diagnosis. Setiawan H, et al. **Pediatr Radiol** 1982;12(3):152–3

Dielectric properties of mammalian tissues from 0.1 to 100 MHz: a summary of recent data. Stoy RD, et al. **Phys Med Biol** 1982 Apr;27(4):501–13

Endocrine and exocrine function of intrasplenic pancreatic autografts. Hadji-Georgopoulos A, et al. **Surgery** 1982 Feb; 91(2):210–6

Measurement of ultrasonic velocity in several biological tissues. Frizzell LA, et al. **Ultrasound Med Biol** 1981; 7(4):385–7

[Splenosis. Review of 117 cases (author's transl)] Vital Durand D, et al. **Gastroenterol Clin Biol** 1981;5(8–9):758–64 (86 ref.) **(Fre)**

[Ectopic spleens. About a spleen of the right iliac fossa (author's transl)] Koumare AK, et al. **J Chir (Paris)** 1981 Oct;118(10):577–9 (Eng. Abstr.) **(Fre)**

[Splenosis. Description of a case and review of literature] Toncini C, et al. **Minerva Chir** 1981 Oct 15;36(19):1259–66

(28 ref.) (Ita)
[Splenin in the therapy of diabetic ketoacidosis] Shcherbak AV, et al. **Vrach Delo** 1982 Jun;(6):13–5 (Eng. Abstr.) (Rus)

ABNORMALITIES

Asplenia and polysplenia syndrome. Shinohara Y, et al. **Acta Pathol Jpn** 1982 May;32(3):505–11
Visceroatrial situs abnormalities: sonographic and computed tomographic appearance. Tonkin IL, et al. **AJR** 1982 Mar; 138(3):509–15
Left isomerism and complete atrioventricular block: a report of six cases. Garcia OL. et al. **Am J Cardiol** 1981 Dec; 48(6):1103–7
Use of asplenic rabbits to demonstrate that platelet age and density are related. Corash L, et al. **Blood** 1982 Jul; 60(1):166–71
Splenogonadal fusion. Dhall JC, et al. **Br J Surg** 1982 Jun; 69(6):348
Paucity of splenic germinal centers: a new and unique splenomegaly syndrome including dysfunctional immune system. Weisdorf SA, et al. **Clin Immunol Immunopathol** 1982 May;23(2):492–500
Gastrointestinal bleeding: an accessory spleen causing a false-positive Tc-99m-sulfur colloid study. Heyman S, et al. **Clin Nucl Med** 1982 Jan;7(1):38–40
Right aortic arch, isolated left common carotid and left subclavian arteries, and subclavian steal syndrome: a variant of polysplenia syndrome. Crump WD, et al. **Hum Pathol** 1981 Oct;12(10):936–8
A comparison of Babesia infections in intact, surgically splenectomised, and congenitally asplenic (Dh/+) mice. Irvin AD, et al. **Int J Parasitol** 1981 Jun;11(3):251–5
Spontaneous splenic infarction in polysplenia syndrome. Shadle CA, et al. **J Comput Assist Tomogr** 1982 Feb; 6(1):177–9
Recurrent thrombocytopenia caused by accessory spleen: a case report. Madura JA, et al. **J Indiana State Med Assoc** 1982 Jan;75(1):46–9
Asplenia and polysplenia syndromes with abnormalities of lateralisation in a sibship. Zlotogora J, et al. **J Med Genet** 1981 Aug;18(4):301–2
Polysplenia and kartagener syndromes in a sibship: association with abnormal respiratory cilia. Schidlow DV, et al. **J Pediatr** 1982 Mar;100(3):401–3
Abnormal cilia in a child with the polysplenia syndrome and extrahepatic biliary atresia. Teichberg S, et al. **J Pediatr** 1982 Mar;100(3):399–401
Splenic-gonadal fusion: identification by radionuclide scanning. McLean GK, et al. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):649–51
Splenic-gonadal infusion: case report and review of the literature. Ceccacci L, et al. **J Urol** 1981 Oct;126(4):558–9
Right splenorenal fusion with associated hypersplenism. Rosenthal JT, et al. **J Urol** 1981 Dec;126(6):812–4
Anatomic and functional asplenia--absence of the splenic image during 99mTc-sulfur colloid scintigraphy. Graves DS, et al. **Semin Nucl Med** 1982 Jan;12(1):95–6
Case of the fall season. Fernbach SK. **Semin Roentgenol** 1981 Oct;16(4):239–40
Splenic torsion in the polysplenia syndrome. Ackerman NB Jr, et al. **South Med J** 1982 Jul;75(7):897–8
Congenital asplenia and anomalies of the gastrointestinal tract. Misnalany H, et al. **Surgery** 1982 Jan;91(1):38–41
Accessory splenectomy for idiopathic thrombocytopenic purpura. Wallace D, et al. **Surgery** 1982 Feb;91(2):134–6
Unusual cardiac malformations in splenogonadal fusion-peromelia syndrome: relationship to normal development. Loomis KF, et al. **Teratology** 1982 Feb; 25(1):1–9
The asplenia syndrome: an explanation for absence of the spleen. Monie IW. **Teratology** 1982 Apr;25(2):215–9
Splenopexy in a case of wandering spleen. van der Staak F, et al. **Z Kinderchir** 1981 Jan;32(1):94–8
[Anatomo-clinical presentation of a case of asplenic syndrome and dextrocardia] Leopardi O, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):649–52 (Ita)
[Suprarenal accessory spleens (polysplenia). Case report] Benini P, et al. **Minerva Chir** 1982 Mar 31;37(6):583–6 (Eng. Abstr.) (Ita)
[Accessory spleen demonstrated by 99mTc-Sn colloid scintigraphy in patients without surgical splenectomy (author's transl)] Seto H, et al. **Kaku Igaku** 1982 Mar; 19(2):275–9 (Jpn)
[A case of a 49-year-old man with polysplenia syndrome complicated by Grawitz's tumor of kidney (author's transl)] Hirohata S, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10;71(4):502–6 (Jpn)

ANALYSIS

Complete amino acid sequences of bovine thymopoietins I, II, and III: closely homologous polypeptides. Audhya T, et al. **Biochemistry** 1981 Oct 13;20(21):6195–200
Pattern of isoaccepting transfer RNAs common to 26 patients with Hodgkin's disease. Murphy TL, et al. **Cancer Res** 1982 Sep;42(9):3887–91
Insulin radioreceptor assay on murine splenic leukocytes and peripheral erythrocytes. Shimizu F, et al. **Endocrinology** 1982 Feb;110(2):474–80
Similarity of CSF of media conditioned by different human tissues. Newton IA, et al. **Exp Hematol** 1982 Feb; 10(2):196–205
An endogenous inhibitor of cysteine and serine proteinases from spleen. Brzin J, et al. **FEBS Lett** 1982 Feb 22; 138(2):193–7
Amino acid sequence of horse spleen apoferritin. Heusterspreute M, et al. **FEBS Lett** 1981 Jul 6;129(2):322–7
Studies of the haemopoietic microenvironments. IV. Changes in glycosaminoglycan content of murine spleen in relation to haematological parameters following induction of anaemia or polycythaemia. Nordegraaf EM, et al. **Haematologica (Pavia)** 1981 Aug;66(4):409–18
Tumor enhancing T lymphocytes in mice: further studies on characteristics and mechanism of activity. Small M. **Int J Cancer** 1982 Apr 15;29(4):465–9
Persistence of [3H]trioleylglyceryl ether in organs of mice treated with glucocorticosteroids. Kleinman Y, et al. **Isr J Med Sci** 1982 Jul;18(7):819–22
Human spleen histone H3. Isolation and amino acid sequence. Ohe Y, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):1205–11
Selective inhibition of DNA synthesis by a protein released from spleen cells. Miyata S, et al. **J Cell Physiol** 1982 Mar; 110(3):315–7
Immunohistochemical identification of adult and fetal haemopoiesis in the spleen in lymphoma, leukaemia and myeloproliferative disease. Underwood JC, et al. **J Pathol** 1981 May;134(1):71–80
Is histone H5 present in mammals? Zlatanova J. **Mol Biol Rep** 1981 Aug 14;7(4):235–9
Purification and initial characterization of rat interleukin 2. Di Sabato G. **Proc Natl Acad Sci USA** 1982 May; 79(9):3020–3
Inhibition of phytohaemagglutinin-induced transformation of lymphocytes by human spleen extracts. Casas JM, et al. **Rev Esp Fisiol** 1981 Jun;37(2):159–64
[Contents of iron, copper, and zinc in newborns and in liver and spleen of growing rats in alimentary lead deficiency] Reichlmayr-Lais AM, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1981;46(1-2):8–14 (Eng. Abstr.) (Ger)
[Properties of protein released from mouse spleen nuclei under conditions of limited hydrolysis with DNase I and micrococcal nuclease] Karavanov AA, et al. **Mol Biol (Mosk)** 1981 Jan-Feb;15(1):220–33 (Eng. Abstr.) (Rus)
[Correlation between plasma ferritin and iron from liver and spleen in chicken (author's transl)] Calvo JJ, et al. **Rev Esp Fisiol** 1982 Mar;38(1):79–82 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Marginal zones: the major B cell compartment of rat spleens. Kumararatne DS, et al. **Eur J Immunol** 1981 Nov; 11(11):858–64
Cells of the marginal zone of the spleen are lymphocytes derived from recirculating precursors. Kumararatne DS, et al. **Eur J Immunol** 1981 Nov;11(11):865–9
The spleen: a correlative overview of normal and pathologic anatomy. Bishop MB, et al. **Hum Pathol** 1982 Apr; 13(4):334–42
Light and electron microscopic observations of the spleen in the musk shrew, Suncus murinus. Fukuta K, et al. **J Anat** 1982 Jan;134(Pt 1):129–38
Spleen-shape as a genetic marker in X/Gf mice. Banerjee R, et al. **J Hered** 1981 May-Jun;72(3):222
Clinical anatomy and physiology of the spleen. Coetzee T. **S Afr Med J** 1982 May 15;61(20):737–46 (70 ref.)
[Structure and function of the human spleen (author's transl)] Kamiyama R, et al. **Rinsho Ketsueki** 1981 May;22(5):569–77 (Eng. Abstr.) (Jpn)

BLOOD SUPPLY

Study of venous segments in the spleens of buffalo and dog. Gupta SB, et al. **Acta Anat (Basel)** 1982;111(3):204–6
Transcatheteral occlusion of hepatic and splenic vessels. Vogel H, et al. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):410–2
The importance of splenic blood flow in clearing pneumococcal organisms. Horton J, et al. **Ann Surg** 1982 Feb;195(2):172–6
Effects of meclofenamate and captopril on blood flow to the kidney and spleen in conscious rabbits subjected to mild haemorrhage. Banks RA, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):543–8
Factors controlling the intrasplenic transit of platelets. Peters AM, et al. **Eur J Clin Invest** 1982 Jun;12(3):191–5
[Splenic angiography (author's transl)] Brion JP, et al. **Acta Gastroenterol Belg** 1981 Mar-Apr;44(3-4):195–202 (Eng. Abstr.) (Fre)
[Analysis of the spleen hemodynamics in reference to red cell destruction (author's transl)] Takahashi Y. **Rinsho Ketsueki** 1981 May;22(5):592–607 (Eng. Abstr.) (Jpn)
[Comparative characteristics of the neurogenic reactions of capacitance vessels in organs of the peritoneal cavity and skeletal musculature] Tkachenko BI, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):267–74 (Eng. Abstr.) (Rus)

CYTOLOGY

Concomitant presence of anti-tumor effector cells and suppressor cells in the spleen of tumor-bearing mice : the nature of suppressor cells. Hizuta A. **Acta Med Okayama** 1981 Oct;35(4):247–61
A morphometrical method for analyzing germinal centers in the chicken spleen. Romppanen T. **Acta Pathol Microbiol Scand [C]** 1981 Aug;89(4):263–8
Hematopoiesis in the human spleen. Freedman MH, et al. **Am J Hematol** 1981 Nov;11(3):271–5
Differences in synthesis of membrane proteins by leukemic cells from spleen and peripheral blood indicate distinct subsets of malignant cells in a patient with prolymphocytic leukemia. Spiro RC, et al. **Am J Hematol** 1981 Nov; 11(3):261–70
Organ distribution and fate of newly formed splenic lymphocytes in the pig. Pabst R, et al. **Anat Rec** 1982 Jan; 202(1):85–94
On the mechanism of inhibition of spleen-colony formation by hemopoietic stem cells pretreated with anti AS-LYT1.1 antibody. Wysocka M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):419–21
Spontaneous cytotoxicity. Ceredig R. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):681–94
Conditions for an in vitro culture of murine mixed hematopoietic colonies and their putative cellular origin. Miller BA, et al. **Blood** 1982 Jul;60(1):99–107
Measurement of red cell volume and splenic red cell pool using 113m indium. Radia R, et al. **Br J Haematol** 1981 Dec;49(4):587–91
Suppressor factor produced by neonatal mouse spleen cells. Argyris BF. **Cell Immunol** 1981 Aug;62(2):412–24
Mixed lymphocyte reactivity in spleen cells from F-9 tumor-bearing ice. I. Suppressor cell induction and characterization. Bluestone JA, et al. **Cell Immunol** 1981 Aug;62(2):334–40
The induction of at least two distinct types of interferon in mouse spleen cell cultures by Corynebacterium parvum. Evans SR, et al. **Cell Immunol** 1981 Oct;64(1):64–72
Mixed lymphocyte reactivity in spleen cells from F-9 tumor-bearing mice. II. Functional cross-reactivity between F-9 cells and testicular cells. Hurtenbach U, et al. **Cell Immunol** 1981 Aug;62(2):341–9
In vitro recovery of aptitude for primary immunization by specifically depleted cell populations: induction by a lipopolysaccharide. Prunet J, et al. **Cell Immunol** 1981 Oct; 64(1):1–12
Modulation of natural cytotoxicity by alloantibodies. IV. A comparative study of the activation of mouse spleen cell cytotoxicity by anti H-2 antisera, interferon, and mitogens. Saxena RK, et al. **Cell Immunol** 1981 Sep 1;63(1):28–41
The null cell compartment of the mouse spleen. Twomey JJ, et al. **Cell Immunol** 1981 Sep 1;63(1):106–17
The effect of cytochalasin B on the enucleation of erythroid cells in vitro. Repasky EA, et al. **Cell Tissue Res** 1981; 221(1):85–91
Electron-microscopic study of the development of the periarteriolar zone in splenic white pulp of rats. Weirsbowsky A, et al. **Cell Tissue Res** 1982;223(2):335–48
Plasma cells in the ammocoete of Petromyzon marinus. Zapata A, et al. **Cell Tissue Res** 1981;221(1):203–8
A giant cell with dendritic cell properties in spleens of the anuran amphibian Xenopus laevis. Baldwin WM 3d, et al. **Dev Comp Immunol** 1981 Summer;5(3):461–73
Increase in the number of splenic plaque forming cells with length of gestation in untreated pregnant mice. Mattsson R. **Dev Comp Immunol** 1982 Spring;6(2):339–48
Autoradiographic study on the distribution of thymus-derived and thymus-independent lymphocytes in the spleen of Xenopus laevis. Obara N. **Dev Comp Immunol** 1982 Winter;6(1):95–104
Manifestations of cellular immunity in the rat after prolonged asbestos inhalation. II. Alveolar macrophage-induced splenic lymphocyte proliferation. Miller K, et al. **Environ Res** 1981 Oct;26(1):182–94
Influence of weaning-initiated dietary restriction on responses to T cell mitogens and on splenic T cell levels in a long-lived F1-hybrid mouse strain. Weindruch RH, et al. **Exp Gerontol** 1982;17(1):49–64
Correlation between LPS-induced mitogenic and virogenic activities in mouse spleen cell cultures. Hornstein A, et al. **Exp Hematol** 1982 Feb;10(2):178–86
A study of added GM-CSF independent granulocyte and macrophage precursors in mouse spleen infected with myeloproliferative sarcoma virus (MPSV). Klein B, et al. **Exp Hematol** 1982 Apr;10(4):373–82
The relative roles of the spleen and bone marrow in platelet production in mice. Layendecker SJ, et al. **Exp Hematol** 1982 Apr;10(4):332–42
Thymocyte involvement in spleen colony formation by subpopulations of hematopoietic stem cells. Monette FC, et al. **Exp Hematol** 1981 Nov;9(10):1011–9
Increased erythropoiesis and 2'5'-A polymerase activity in the marrow and spleen of phenylhydrazine-injected rats. Orlic D, et al. **Exp Hematol** 1982 May;10(5):478–85
Relative stability of inductive properties versus adaptable support capacity for hemopoietic colony formation in the spleen. Ploemacher RE, et al. **Exp Hematol** 1982 Feb; 10(2):187–95
Erythropoietic stimulation enhances, and erythropoietic inhibition suppresses, multidirectional differentiation in 4-day transient endogenous spleen colonies. Wiktor-Jedrzejczak W. **Experientia** 1981;37(9):1024–6
Fixation-dependent cytoplasmic false-positive staining with an immunoperoxidase method. Bergroth V, et al. **Histochemistry** 1982;73(4):509–13
Cell requirements for optimum proliferative responses of rat

spleen cells. Evans DL, et al. **Immunobiology** 1981; 159(4–5):366–81

In vivo labelling of the spleen and mesenteric lymph nodes with fluorescein isothiocyanate for lymphocyte migration studies. Pabst R, et al. **Immunology** 1981 Oct;44(2):321–9

Opposing changes in electrokinetic potential of spleen cells induced by factors from different tumour supernatants. Vaillier D, et al. **Immunology** 1981 Sep;44(1):67–74

Hydroquinone and catechol reduce the frequency of progenitor B lymphocytes in mouse spleen and bone marrow. Wierda D, et al. **Immunopharmacology** 1982 Feb; 4(1):41–54

The effect of some antirheumatic drugs in vivo on the response of spleen cells to concanavalin A in rats with chronic inflammation. Binderup L, et al. **Int J Immunopharmacol** 1982;4(1):57–66

The selective solubilization of different murine splenocyte membrane fractions with lubrol WX and triton X-100 distinguishes two forms of Ia antigens. A cell surface (alpha, beta) and an intracellular (alpha, Ii, beta). Moosic JP, et al. **J Biol Chem** 1982 Aug 25;257(16):9684–91

Proliferation and differentiation of hematopoietic stem cells in long-term cultures of adult hamster spleen. Arnold EA, et al. **J Exp Med** 1982 May 1;155(5):1370–84

Specialized antigen-presenting cells. Splenic dendritic cells and peritoneal-exudate cells induced by mycobacteria activate effector T cells that are resistant to suppression. Britz JS, et al. **J Exp Med** 1982 May 1;155(5):1344–56

Very rapid decay of mature B lymphocytes in the spleen. de Freitas AA, et al. **J Exp Med** 1981 Sep 1;154(3):994–9

Adherent spleen cells from mice acutely infected with cytomegalovirus suppress the primary antibody response in vitro. Bixler GS Jr, et al. **J Immunol** 1981 Oct; 127(4):1294–9

Differentiation of T cells from immature precursors in murine T cell colonies. Ching LM, et al. **J Immunol** 1981 Nov; 127(5):2156–63

The specificity of in vivo tolerance to haptens in NZB and normal mice after exposure to hapten-modified syngeneic spleen cells. Cowdery JS, et al. **J Immunol** 1982 Apr; 128(4):1571–6

Characteristics and regulatory function of murine con A-induced, cloned T cells obtained from Peyer's patches and spleen: mechanisms regulating isotype-specific immunoglobulin production by Peyer's patch B cells. Kawanishi H, et al. **J Immunol** 1982 Aug;129(2):475–83

Autoimmune effector cells. III. Role of adjuvant and accessory cells in the in vitro induction of autoimmune encephalomyelitis. Killen JA, et al. **J Immunol** 1982 Aug; 129(2):759–63

Circadian fluctuations in the activity of phagocytic cells in blood, spleen, and peritoneal cavity of mice as measured by zymosan-induced chemiluminescence. Knyszynski A, et al. **J Immunol** 1981 Dec;127(6):2508–11

The H-2 phenotype of the thymus dictates the self-specificity expressed by thymic but not splenic cytotoxic T lymphocyte precursors in thymus-engrafted nude mice. Kruisbeek AM, et al. **J Immunol** 1981 Nov;127(5):2168–76

Differential lysis of endogenous and activated natural killer cells by anti-NK-1.2 antibody and complement. Kumar V, et al. **J Immunol** 1982 Mar;128(3):1482–4

Differentiation and activation of nu/nu splenic T cell precursors by mature peripheral T cells in the absence of thymus. Lipsick JS, et al. **J Immunol** 1982 Jul;129(1):40–5

Induction of splenic T cell proliferation by lipid A in mice immunized with sheep red blood cells. Mita A, et al. **J Immunol** 1982 Apr;128(4):1709–11

Virus-immune and alloreactive response characteristics of thymocytes and spleen cells from young mice. Schwartz DH, et al. **J Immunol** 1981 Oct;127(4):1411–4

Control of macrophage Ia expression in neonatal mice—role of a splenic suppressor cell. Snyder DS, et al. **J Immunol** 1982 Mar;128(3):1458–65

Splenic regulation of the immune response in Syrian hamsters. Waxman FJ, et al. **J Immunol** 1982 Jul; 129(1):173–9

Role of syngeneic Ia+ accessory cells in the generation of allospecific CTL responses. Weinberger O, et al. **J Immunol** 1982 Aug;129(2):694–7

Purification of cytoplasts (enucleated cells) and karyoplasts (nuclei) from mouse splenic lymphocytes with cytochalasin-B. Ohara J, et al. **J Immunol Methods** 1981; 45(3):239–48

Cells involved in the immune response. XXX. An evaluation of the different assays to demonstrate rabbit spleen plaque-forming cells. Enhancement of the assay by anti-target cell antibodies. Richter M, et al. **J Immunol Methods** 1981;46(1):77–83

Rat lymphocyte proliferative in vitro response to horse spleen ferritin. Lause DB, et al. **J Reticuloendothel Soc** 1981 Sep; 30(3):227–34

Role of the thymus in CFU-S differentiation and proliferation. Lepault F, et al. **Leuk Res** 1981;5(4–5):379–83

Regulation of splenic CFU-S kinetics after cytosine-arabinoside treatment in mice.-I. In vivo studies. Sainteny F, et al. **Leuk Res** 1981;5(4–5):373–8

Relationship between in vivo mitomycin C exposure, sister chromatid exchange induction and in vitro mitogenic proliferation. I. Development of murine splenic cell system. Mann PL, et al. **Mech Ageing Dev** 1981 Oct;17(2):195–201

Relationship between in vivo mitomycin C exposure, sister chromatid exchange induction and in vitro mitogenic proliferation. II. Effect of aging on spleen cell mitogenesis and sister chromatid exchange induction. Mann PL, et al. **Mech Ageing Dev** 1981 Oct;17(2):203–9

T cell growth factor from human splenic cell cultures: conditions for its production, and its utilization for maintenance of cytotoxic T cell lines. Tanaka Y, et al. **Microbiol Immunol** 1981;25(10):1077–86

Transient nature of early haematopoietic spleen colonies. Magli MC, et al. **Nature** 1982 Feb 11;295(5849):527–9

Myeloid and megakaryocytic precursors in the bone marrow and spleen in altered erythropoiesis. Dan K, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):50–5

Rabbit spleen B lymphocytes as helper cells in lymphocyte activation by concanavalin A and phytohaemagglutinin. Cavaillon JM, et al. **Scand J Immunol** 1982;15(1):49–54

The influence of serum on lymphocyte cultures. II. Cell cycle specificity of serum action in spleen cells. Kristensen F, et al. **Scand J Immunol** 1981;14(2):121–30

[Animal experiments concerning the autoimplantation of splenic tissue (author's transl)] Böhles H, et al. **Z Kinderchir** 1981 Sep;34(1):61–6 (Eng. Abstr.) (Ger)

[Behaviour of bone marrow and splenic hemopoietic stem cells following administration of anthracyclines] Massa G, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30;57(12):1311–5 (Eng. Abstr.) (Ita)

[lymphoid organ pulsation] Suslov AP, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):85–7 (Eng. Abstr.) (Rus)

DRUG EFFECTS

The ANAE reaction pattern of reticular stromal cells of lymphatic organs from normal and hydrocortisone-treated mice. Witkowski J, et al. **Acta Histochem (Jena)** 1981;69(2):161–70

Inhibition of mouse spleen cell function by diphtheria toxin fragment A coupled to anti-mouse Thy-1.2 and by ricin A chain coupled to anti-mouse IgM. Oeltmann TN, et al. **Arch Biochem Biophys** 1981 Jul;209(2):362–70

Effects of estrogen and progesterone on the spleen of the mouse: a light and electron microscopic study. Sasaki K, et al. **Arch Histol Jpn** 1981 Jul;44(3):203–13

Dopamine increases cyclic AMP concentration in the rat spleen lymphocytes in vitro. Stępień H, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):1057–63

Alterations in spleen growth and sequestering function in animals receiving trypan blue. Dumont AE, et al. **Br J Exp Pathol** 1981 Aug;62(4):333–8

Alteration in spleen lymphoid populations associated with specific amino acid depletion during L-asparaginase treatment. Distasio JA, et al. **Cancer Res** 1982 Jan; 42(1):252–8

Colony formation by bone marrow cells after incubation with neuraminidase. I. Involvement of stem cell sequestration in the reduced spleen colony formation. Ploemacher RE, et al. **Haematologica (Pavia)** 1981 Oct;66(5):554–69

Lymphoid-organ variations and blastogenic responses of splenocytes in estrogen-progestogen treated virgin and multiparous mice. Rojo JM, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):139–41

Effect of 7,12-dimethylbenz[a]anthracene on production and action of gamma interferon. Golemboski KA, et al. **JNCI** 1982 Jun;68(6):993–6

L-histidinol protection against cytotoxic action of cytosine arabinoside and 5-fluorouracil in cultured mouse spleen cells. Warrington RC, et al. **JNCI** 1982 Feb;68(2):279–86

Comparison of the frequencies of SCEs induced by chemical mutagens in bone-marrow, spleen and spermatogonial cells of mice. Palitti F, et al. **Mutat Res** 1982 Feb;103(2):191–5

Effects of piperazinedione (NSC 135785) plus irradiation on endogenous CFU-S, intestinal crypts, and as a possible ablative protocol for marrow transplantation as evaluated in Rauscher leukemic mice. Meredith RF, et al. **Radiat Res** 1982 Mar;89(3):559–74

In vitro evaluation of cadmium-induced augmentation of the antibody response. Fujimaki H, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):288–93

[Effect of thymalin on the cyclic nucleotide system in the mouse spleen] Gavrilenko IS, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):39–40 (Eng. Abstr.) (Rus)

[Effect of activators of cAMP accumulation on the separate stages of genome expression in the cells in the acute whole-body radiation lesion. 1. The effect of serotonin and papaverine on the biosynthesis and yield of RNA from the cell nuclei of rat liver and spleen in the early periods after total x-ray irradiation] Tsudzevich BA, et al. **Radiobiologiia** 1981;21(4):495–502 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Increased erythropoiesis in embryonic spleen of polycythemic mice. An indicator for erythropoietin production by the embryo. Notti I, et al. **Biol Neonate** 1981; 40(5–6):269–75

[Antenatal and early postnatal development of the organs of immunogenesis] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):73–83 (Eng. Abstr.) (Rus)

[Development of the lymphatic follicles and the differentiation of splenic lymphocytes in the human fetus] Khlystova ZS, et al. **Arkh Anat Gistol Embriol** 1982 May; 82(5):77–83 (Eng. Abstr.) (Rus)

[Structure of the human spleen and immunomorphologic indices of its lymphocytes during embryogenesis] Khlystova ZS, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):728–31 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Some further characteristics of endogenous proteinase inhibitors. Kopitar M, et al. **Acta Biol Med Ger** 1982; 41(1):75–82

Bovine intracellular cysteine proteinases. Kregar I, et al. **Acta Biol Med Ger** 1981;40(10–11):1433–8

Characterization of an RNA-directed DNA polymerase from mouse spleen infected with leukaemia virus activated during N-methyl-N-nitroso urea-induced leukaemogenesis. Drescher B, et al. **Acta Virol (Praha)** 1982 Jan;26(1–2):41–9

Preparation, properties, and uses of two fluorogenic substrates for the detection of 5'-(venom) and 3'-(spleen) nucleotide phosphodiesterases. Hawley DM, et al. **Anal Biochem** 1981 Oct;117(1):18–23

Substrate specificity of Gaucher spleen phosphoprotein phosphatase. Robinson DB, et al. **Arch Biochem Biophys** 1981 Aug;210(1):186–99

Subcellular distribution of phospholipid-sensitive calcium-dependent protein kinase in guinea pig heart, spleen and cerebral cortex, and inhibition of the enzyme by Triton X-100. Katoh N, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):590–5

Difference in physical and chemical properties between muscle-type and spleen-type isoenzymes of pyruvate kinase in rat. Nagao Y, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):713–9

Kinetics and optical spectroscopic studies on the purple acid phosphatase from beef spleen. Davis JC, et al. **Biochemistry** 1981 Jul 7;20(14):4062–7

Radioimmunoassay determination of decreased amounts of alpha-L-fucosidase protein in fucosidosis. Andrews-Smith GL, et al. **Biochim Biophys Acta** 1982 Mar 15;715(1):90–6

Convenient purification of human spleen fibrinolytic proteinase (SFP) and human leucocyte elastase by affinity chromatography. Okada Y, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1528–30

Stereoisomeric alanine peptides as substrates for human spleen fibrinolytic proteinase (SFP). Okada Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Jun;29(6):1762–4

Synthesis of substrates specific for human spleen fibrinolytic proteinase (SFP). Okada Y, et al. **Int J Pept Protein Res** 1981 May;17(5):560–4

Separation of catheptic enzymes of bovine spleen by isoelectric focusing. Robbins FM, et al. **J Agric Food Chem** 1982 Jan-Feb;30(1):61–5

Detection of a g' = 1.74 EPR signal in bovine spleen purple acid phosphatase. Antanaitis BC, et al. **J Biol Chem** 1982 May 25;257(10):5330–2

Biosynthesis in vitro of a blood group B-active fucose-containing hexaglycosylceramide from neolactopentaosylceramide in bovine spleen. Presper KA, et al. **J Biol Chem** 1982 Jan 10;257(1):169–73

UDP-N-acetylgalactosamine:globoside alpha-3-N-acetylgalactosaminyltransferase. Purification, characterization, and some properties. Taniguchi N, et al. **J Biol Chem** 1982 Sep 25;257(18):10631–7

Purification and properties of bovine spleen heme oxygenase. Amino acid composition and sites of action of inhibitors of heme oxidation. Yoshinaga T, et al. **J Biol Chem** 1982 Jul 10;257(13):7778–85

The oxidative degradation of heme c by the microsomal heme oxygenase system. Yoshinaga T, et al. **J Biol Chem** 1982 Jul 10;257(13):7803–7

The occurrence of molecular interactions among NADPH-cytochrome c reductase, heme oxygenase, and biliverdin reductase in heme degradation. Yoshinaga T, et al. **J Biol Chem** 1982 Jul 10;257(13):7786–93

Effect of protein deficiency on the lysosomal enzyme activities of the spleen and thymus of weanling rats. Muñoz E, et al. **J Nutr** 1981 Dec;111(12):2133–41

Radiation-induced alterations in splenic acid phosphatase of pigeons. Gadhia PK, et al. **J Radiat Res (Tokyo)** 1981 Dec; 22(4):443–8

Protein activator (coglucosidase) for the hydrolysis of beta-glucosides. Radin NS, et al. **Methods Enzymol** 1982; 83 Pt D:596–603

Cathepsin D from porcine and bovine spleen. Takahashi T, et al. **Methods Enzymol** 1981;80 Pt C:565–81

Histochemical and ultrastructural data in the spleen of the copper-intoxicated rat. Onicescu D, et al. **Morphol Embryol (Bucur)** 1982 Jan-Mar;28(1):71–5

Further studies on the substrate specificity of calf spleen phosphodiesterase [EC 3.1.4.18] Zieliński WS, et al. **Nucleic Acids Symp Ser** 1981;(9):235–7

[Comparison of the molecular forms of exonuclease and ribonuclease in normal human spleen] Nègre A, et al. **C R Seances Acad Sci [III]** 1981 Dec 14;293(14):741–4 (Eng. Abstr.) (Fre)

[Enzyme activities in plasma, liver and spleen homogenates of various rodents] Metzenauer P, et al. **Z Versuchstierkd** 1981;23(2):94–101 (Eng. Abstr.) (Ger)

[Kinetic characteristics of microsomal NAD-glycohydrolase natural and solubilized with a non-ionic surface-active substance] Sestini S, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):450–2 (Eng. Abstr.) (Ita)

[Changes in delta-aminolevulinate(ALA) synthetase and

ALA dehydrase activities in liver and spleen of endotoxin-poisoned mice (author's transl)] Sakaguchi S, et al. **Nippon Saikingaku Zasshi** 1980 May;35(3):529–37 (Eng. Abstr.) **(Jpn)**

[Effect of acetylcholine on the Na, K-ATPase activity of homogenates of rat spleen and lymphosarcoma] Mustafin AM, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):714–5 (Eng. Abstr.) **(Rus)**

[Disorders of purine nucleotide metabolism in the lymphoid and hematopoietic cells of tumor-bearing animals] Vornovitskaia GI, et al. **Vestn Akad Med Nauk SSSR** 1982; (3):29–35 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ontogenetic aspects of immune-complex trapping in the spleen and popliteal lymph nodes of the rat. Dijkstra CD, et al. **Cell Tissue Res** 1982;223(3):545–52

A comparative study on the effects of ageing and training on the levels of lipofuscin in various tissues of the rat. Basson AB, et al. **Comp Biochem Physiol [A]** 1982; 71(3):369–74

Recovery of age-dependent immunological deterioration in Balb/c mice by short-term treatment with L-thyroxine. Fabris N, et al. **Mech Ageing Dev** 1982 Apr;18(4):327–38

Age-dependent decline of T-cell cloning potential in mice. Fabris N, et al. **Mech Ageing Dev** 1982 Apr;18(4):315–25

[Refractoriness of mouse spleen rosette-forming cells to thymus hormones during the period of early postnatal ontogeny] Giulling EV, et al. **Ontogenez** 1981;12(1):100–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Glucocorticoid action on rat spleen cells. I. Action of cortisone on antibody forming cells. Rifé SU. **Acta Physiol Lat Am** 1978;28(6):315–22

Regional and splenic lymphocyte proliferative responses of mice exposed to normal or irradiated Schistosoma mansoni cercariae. Lewis FA, et al. **Am J Trop Med Hyg** 1982 May; 31(3 Pt 1):505–13

Effect of passive immunization on phagocytosis of blood-borne Escherichia coli in spleen and liver of turkeys. Arp LH. **Am J Vet Res** 1982 Jun;43(6):1034–40

Infection of splenectomized calves with Anaplasma ovis. Kuttler KL. **Am J Vet Res** 1981 Dec;42(12):2094–6

[Characterization of the suppressor factor produced in the spleen of dengue virus-infected mice. Chaturvedi UC, et al. **Ann Immunol (Paris)** 1981 May-Jun;132 C(3):245–55

Immune dysfunction in the presence of residual splenic tissue. Cohen RC, et al. **Arch Dis Child** 1982 Jul;57(7):523–7

A serial study of splenic reticuloendothelial system Fc receptor functional activity in systemic lupus erythematosus. Hamburger MI, et al. **Arthritis Rheum** 1982 Jan;25(1):48–54

Isolation and characterization of a myeloma--spleen-cell hybrid producing antibody to phenylalanine hydroxylase. Cotton RG, et al. **Biochem J** 1980 Dec 1;191(3):777–83

Tissue T-lymphocytes in untreated Hodgkin's disease: morphologic and functional correlations in spleens and lymph nodes. Baroni CD, et al. **Cancer** 1982 Jul 15; 50(2):259–68

Mode of action of polyethylene glycol 6000 in potentiating the in vitro generation of antitumor cytotoxicity by MOPC-315 tumor bearer spleen cells. Mokyr MB, et al. **Cancer Res** 1982 Jul;42(7):2537–43

Sensitivity of cloned high- and low-metastatic murine Lewis lung tumor cells to lysis by cytotoxic autoreactive cells. Olsson L, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4706–9

Natural killer activity in spleens and lymph nodes from patients with Hodgkin's disease. Ruco LP, et al. **Cancer Res** 1982 May;42(5):2063–8

Nature of neonatal splenic suppressor cells in the mouse. Argyris BF. **Cell Immunol** 1982 Jan 15;66(2):352–9

Studies of mouse immunoglobulin allotypes by reverse plaque assay: detection of spleen cells secreting immunoglobulins with specific allotype in C57BL/6J mice. Baig MA, et al. **Cell Immunol** 1982 Jan 1;66(1):164–70

Cytolytic T lymphocyte mediated chromium-51 release versus spontaneous release from blast and spleen cell targets at low temperatures. Balk SP, et al. **Cell Immunol** 1981 Nov 15;65(1):201–5

Murine spleen lymphocytes bearing receptors for peanut agglutinin. VII Separation and functional characterization. Berrih S, et al. **Cell Immunol** 1981 Sep 15;63(2):249–58

Comparative suppressive effects of anti-allotype antibodies on spleen cells of immature and adult rabbits. Inoue T, et al. **Cell Immunol** 1982 Jan 15;66(2):289–99

Kinetics and characterization of antigen-binding and antibody-producing cells in the regional draining lymph nodes and spleen during initial murine schistosomiasis. II. Cellular Responses against egg immunogens. Khoury PB, et al. **Cell Immunol** 1981 Apr;59(2):246–55

Kinetics and characterization of antigen-binding and antibody-producing cells in the regional draining lymph nodes and spleen during initial murine schistosomiasis. I. Cellular responses against cercarial immunogens. Khoury PB, et al. **Cell Immunol** 1981 Apr;59(2):233–45

Use of positively selected Lyt-2+ mouse splenocytes to examine interleukin-2 secretion in responses to alloantigens and to TNP-modified syngeneic cells. Miller RA, et al. **Cell Immunol** 1982 Mar 15;68(1):114–27

Cellular transfer of experimental allergic encephalomyelitis in Lewis rats: effects of different sensitization regimens on in vitro reactivity of donor spleen cells to concanavalin A. Ovadia H, et al. **Cell Immunol** 1981 Nov 15;65(1):66–74

Immune unresponsiveness of spleen cells from lipopolysaccharide-sensitized mice to particulate thymus-dependent antigens. II. Evidence for an abortive cooperation between T lymphocytes and antigen-presenting cells. Portnoï D, et al. **Cell Immunol** 1982 May 15;69(2):374–80

Induction of interferon-gamma in mouse spleen cells by OK-432, a preparation of Streptococcus pyogenes. Saito M, et al. **Cell Immunol** 1982 Mar 15;68(1):187–92

Variable occurrence of splenic suppressor macrophages in normal and tumor-inoculated rats. Veit BC. **Cell Immunol** 1981 Apr;59(2):367–77

Generation of cytotoxic T lymphocytes against TNP-haptenated syngeneic cells in microcultures: the effect of nude spleen cells as accessory cells. Wolf M, et al. **Cell Immunol** 1981 Aug;62(2):385–95

Interleukin 2 regulation of mitogen induction of immune interferon (IFN gamma) in spleen cells and thymocytes. Yamamoto JK, et al. **Cell Immunol** 1982 Jan 15;66(2):333–41

Distribution of IgM- and IgG-containing cells during the primary immune response in the rat spleen. Sminia T, et al. **Cell Tissue Res** 1982;224(1):25–31

Studies on NEM-treated erythrocyte clearance in the rabbit, with special reference to the effects of circulating immune complexes. Lawrence S, et al. **Clin Exp Immunol** 1981 May; 44(2):433–9

Human spleen as a source of T cell growth factor. Moretta A, et al. **Clin Exp Immunol** 1981 May;44(2):262–9

Spleen lymphocyte populations in patients with Hodgkin's disease--properties of cells with different densities. Rocha B, et al. **Clin Exp Immunol** 1982 May;48(2):300–6

Production of a suppressor factor by adherent cells from Mycobacterium tuberculosis-infected guinea-pigs. Wadee AA, et al. **Clin Exp Immunol** 1981 Aug;45(2):427–32

Antibodies against feline and gibbon ape reverse transcriptase on surface of spleen cells in human myelogenous leukemia. Jacquemin PC. **Eur J Cancer Clin Oncol** 1981 Dec; 17(12):1283–6

Heterogeneity of soluble T cell products. I. Precursor frequency and correlation analysis of cytotoxic and immune interferon (IFN-gamma)-producing spleen cells in the mouse. Krammer PH, et al. **Eur J Immunol** 1982 Mar; 12(3):200–4

Involvement of the spleen in the control of the immunogenic and phagocytic function of thioglycollate-induced macrophages. Ron Y, et al. **Eur J Immunol** 1981 Aug; 11(8):608–11

Natural killing by spleen cells from W/Wv and Sl/Sld anemic mice. Seaman WE, et al. **Exp Hematol** 1981 Aug;9(7):691–6

Hybridoma established from spleen cells of a rat immune to syngeneic bladder tumor: its secretion of monoclonal antibody specific for a tumor cell clone in a long-term transplanted bladder tumor line. Hashimoto Y, et al. **Gan** 1981 Apr;72(2):329–30

In vitro curing of persistent infection of HVJ (sendai virus) carrier tumor cells by spleen cells. Ogura H, et al. **Gan** 1981 Aug;72(4):504–11

Effects of surgical stress on natural killer activity, proliferative response of spleen cells and cytostatic activity of lung macrophages in rats. Toge T, et al. **Gan** 1981 Oct; 72(5):790–4

Effect of spleen exposure to ultrasound on cellular and antibody-mediated immune reactions in man. Berthold F, et al. **Immunobiology** 1982;162(1):46–55

beta 1H stimulates mouse-spleen B lymphocytes as demonstrated by increased thymidine incorporation and formation of B cell blasts. Hammann KP, et al. **Immunobiology** 1981;160(3–4):289–301

Differential effector functions of central and peripheral compartments of immune response system: characterization of immune responses in the spleen and mesenteric lymph nodes to directly injected sheep red blood cells. Kojima T, et al. **Immunobiology** 1982 May;161(5):442–56

Target lymphoid cells for the cytotoxic factor produced in the spleen of dengue virus-infected mice. Chaturvedi UC, et al. **Immunol Lett** 1981 Apr;3(1):13–6

Biphasic development of splenic suppressor cells in tumor-bearing mice. Kapoor QS. **Immunol Lett** 1981 Nov; 3(5):293–7

Antigen-mediated release of eosinophil growth stimulating factor from Trichinella spiralis sensitized spleen cells: a comparison of T. spiralis stage-specific antigen preparations. Bartelmez SH, et al. **Immunology** 1982 Apr; 45(4):605–11

Classification of lymphocytes recirculating in the spleen. Binns RM, et al. **Immunology** 1981 Oct;44(2):273–9

Immunization of mouse spleen cell cultures in the absence of serum and its proteins using SiO_2 and 2-mercaptoethanol. Burger M. **Immunology** 1982 Feb; 45(2):381–5

Suppressor and helper T-cell populations in Mycobacterium kansasii-infected spleens. Cunningham DS, et al. **Immunology** 1981 Nov;44(3):473–80

Further study on the humoral response of a highly-purified spleen-derived immunosuppressive peptide (SDIP). Duchange N, et al. **Immunology** 1981 Oct;44(2):249–55

Murine T cells that lyse antibody-sensitized target cells. III. Contribution of Thy 1-Bearing cells to the lytic activity of normal spleen. Lamon EW, et al. **Immunology** 1981 Aug; 43(4):643–51

Postnatal development of T cells. III. Thymus independency of T-cell-dependent antigen response in the neonatal spleen. Papiernik M, et al. **Immunology** 1982 May; 46(1):209–14

Positive selection of T-cell subsets. I. Proliferative responses of Lyt 2 separated thymocytes and splenic T cells. Rollwagen FM, et al. **Immunology** 1982 May;46(1):49–58

Hypothalamic-immune interactions. II. The effect of hypothalamic lesions on the ability of adherent spleen cells to limit lymphocyte blastogenesis. Roszman TL, et al. **Immunology** 1982 Apr;45(4):737–42

Adoptive transfer of resistance to Plasmodium berghei with spleen cells and serum from Fansidar-cured mice. Ferraroni JJ, et al. **Infect Immun** 1982 Jun;36(3):1109–14

Cytotoxic cells induced after Chlamydia psittaci infection in mice. Lammert JK. **Infect Immun** 1982 Mar;35(3):1011–7

Evidence for two distinct populations of suppressor cells in the spleens of Mycobacterium bovis BCG-Sensitized mice. Turcotte R. **Infect Immun** 1981 Nov;34(2):315–22

Nippostrongylus brasiliensis infection in the rat: effects of surgical removal of Peyer's patches, mesenteric lymph nodes and spleen. Heatley RV, et al. **Int Arch Allergy Appl Immunol** 1982;68(4):397–8

Regulation of natural killer activity in vivo. III. Effect of hypophysectomy and growth hormone treatment on the natural killer activity of the mouse spleen cell population. Saxena QB, et al. **Int Arch Allergy Appl Immunol** 1982 Feb; 67(2):169–74

Regulation of immune response by preadministration of cells briefly pulsed with antigen in vitro. I. Suppression of IgE antibody response by antigen pulsed spleen cells. Yokomuro K, et al. **Int Arch Allergy Appl Immunol** 1982; 69(2):98–108

Natural cellular reactivities mediated by splenocytes from mice bearing three types of primary tumor. Ehrlich R, et al. **Int J Cancer** 1980 Sep 15;26(3):315–23

Anti-tumor effect of syngeneic spleen cells treated with immune RNA and tumor antigen. Fukushima M, et al. **Int J Cancer** 1982 Jan 15;29(1):113–7

Immunotherapy of a murine colon cancer with syngeneic spleen cells, immune RNA and tumor antigen. Fukushima M, et al. **Int J Cancer** 1982 Jan 15;29(1):107–12

Suppressor pathways in tumor immunity: a requirement for Qa-1 positive tumor-bearer spleen T cells in suppression of the afferent immune response to tumor antigens. Mulé JJ, et al. **Int J Cancer** 1981 Sep 15;28(3):353–9

Suppression of natural killer (NK) activity by splenic adherent cells of low NK-reactive mice. Riccardi C, et al. **Int J Cancer** 1981 Dec;28(6):811–8

Tumor neutralization by immune in vitro-sensitized splenocytes depends on an interaction with bone-marrow-derived cells. Scuderi P, et al. **Int J Cancer** 1981 Feb 15;27(2):213–9

Monoclonal anti-IgG autoantibodies derived from lipopolysaccharide-activated spleen cells of 129/Sv mice. Van Snick JL, et al. **J Exp Med** 1982 Jan 1;155(1):219–30

T cell recognition in the mixed lymphocyte response. II. Ia-positive splenic adherent cells are required for non-I region-induced stimulation. Ahmann GB, et al. **J Immunol** 1981 Dec;127(6):2308–13

Studies on natural killer (NK) cells. III. The effects of in vitro culture on spontaneous cytotoxicity of murine spleen cells. Bartlett SP, et al. **J Immunol** 1982 Mar;128(3):1070–5

Differential glycosylation of murine B cell and spleen adherent cell Ia antigens. Cullen SE, et al. **J Immunol** 1981 Oct;127(4):1478–84

Requirement of adherent/phagocytic cells for the induction of F1 anti-parent cell-mediated lympholysis. I. Parental adherent splenocytes serve as stimulators. Freimuth WW, et al. **J Immunol** 1981 Oct;127(4):1504–9

Accessory cells in the in vitro generation of type C virus-specific T killer lymphocytes. II. Demonstration of a T helper cell in the spleen of in vivo primed mice. Gomard E, et al. **J Immunol** 1981 Dec;127(6):2291–5

Surface membrane kappa and lambda light chain expression on spleen cells of neonatal and maturing normal and immune-defective CBA/N mice: the kappa:lambda ratio is constant. Kessler S, et al. **J Immunol** 1981 Oct; 127(4):1674–8

Mouse bone marrow cells produce a different interferon (IFN) than do spleen cells in response to alloantigens. Klimpel GR, et al. **J Immunol** 1982 Sep;129(3):946–9

Transfer of allergic encephalomyelitis with spleen cells from donors sensitized with myelin basic protein in incomplete Freund's adjuvant. Namikawa T, et al. **J Immunol** 1982 Feb;128(2):932–4

Autoimmunity induced by type II collagen-coupled spleen cells. Schoen RT, et al. **J Immunol** 1981 Dec;127(6):2275–9

Studies on the mechanism of natural killer (NK) cell-mediated cytotoxicity (CMC). I. Release of cytotoxic factors specific for NK-sensitive target cells (NKCF) during co-culture of NK effector cells with NK target cells. Wright SC, et al. **J Immunol** 1982 Jul;129(1):433–9

Augmentation of murine natural killer activity after culture. Cohen SA, et al. **J Immunol Methods** 1982;48(3):359–65

Synergism between the spleen and serum complement in experimental pneumococcemia. Van Wyck DB, et al. **J Infect Dis** 1982 Apr;145(4):514–9

Influence of dietary proteins on the immune system of mice. Bounous G, et al. **J Nutr** 1982 Sep;112(9):1747–55

Surface antigen expressed in hematopoietic cells derived from

Fv-4r mouse strains. Yoshikura H, et al. **JNCI** 1982 Jun; 68(6):1005-9

Induction and characterization of splenic suppressor cells directed to natural killer cells in Japanese quails. Yamada A, et al. **Jpn J Med Sci Biol** 1981 Apr;34(2):95-102

Immune reactivity during ageing. III. Removal of peanut-agglutinin binding cells from ageing mouse spleen cells leads to increased reactivity to mitogens. Globerson A, et al. **Mech Ageing Dev** 1981 Jul;16(3):275-84

Assay and characterization of an inhibitor of interferon action. Fleischmann WR Jr, et al. **Methods Enzymol** 1981; 79(Pt B):440-8

Hapten-specific T suppressor factor recognizes both hapten and I-J region products on haptenized spleen cells. Zembala M, et al. **Nature** 1982 Jun 3;297(5865):411-3

Formation of two types of germinal centers during immune response in chicken spleen. Ogata K, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):645-57

A monoclonal antibody specific for mouse dendritic cells. Nussenzweig MC, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):161-5

The relative toxicity of metal salts to immune hemolysis in a mixture of antibody-secreting spleen cells, sheep red blood cells and complement. Seko Y, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):205-13

Influence of residual splenic tissue on autoantibodies in splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1982 Apr;28(4):273-7

Neocortical lateralization of NK activity in mice. Bardos P, et al. **Scand J Immunol** 1981;13(6):609-11

Studies of the mode of action of vitamin E in stimulating T-cell mitogenesis. Corwin LM, et al. **Scand J Immunol** 1981 Nov;14(5):565-71

Expression of spleen cell immunoglobulin phenotype in hybrids with myeloma cell lines. Clark MR, et al. **Somatic Cell Genet** 1981 Nov;7(6):657-66

Effect of skin allograft immunization on the mixed leukocyte reaction of the clawed frog, Xenopus laevis. Barlow EH, et al. **Transplantation** 1981 Oct;32(4):282-5

Changes in antigen-presenting cell function in the spleen and lymph nodes of ultraviolet-irradiated mice. Gurish MF, et al. **Transplantation** 1982 Mar;33(3):280-4

Role of the spleen in cell-mediated cardiac allograft rejection. Hall BM. **Transplantation** 1982 Apr;33(4):403-6

Studies of the effects of alloimmunization on the local graft-versus-host reaction in the rat. Lang P, et al. **Transplantation** 1981 Oct;32(4):326-32

Immunoregulatory mechanisms in pregnancy. 1. Evidence for the alpha-fetoprotein-induced generation of suppressor cells in vitro. Toder V, et al. **Transplantation** 1982 Jan; 33(1):41-4

Immunomorphological changes in the lymph nodes and spleen of guinea pigs immunised with T. spiralis antigens. Raitcheff I, et al. **Wiad Parazytol** 1981;27(3):495-8

Adoptive transfer of immunity to Plasmodium berghei after busulfan and cyclophosphamide treatment of recipient mice. Londner MV, et al. **Z Parasitenkd** 1981;65(2):163-6

[Evolution of splenic lympho-reticular populations during the immune response 'in vitro' in the chick (author's transl)] Corvazier P, et al. **Ann Immunol (Paris)** 1982 Jan-Feb; 133(1):103-17 (Eng. Abstr.) **(Fre)**

[The spleen and its function in immune reactions] Pabst R. **Med Monatsschr Pharm** 1982 Feb;5(2):43-8 **(Ger)**

[Structural and functional changes in the spleen in experimental proteins and energy deficiency] Krustev LP, et al. **Nahrung** 1982;26(2):113-9 (Eng. Abstr.) **(Ger)**

[Investigations on the effect of a 50 Hz-AC-field on the immunity of the mouse following chronic exposure (author's transl)] Fischer G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):308-18 (Eng. Abstr.) **(Ger)**

[Effect of suppressor cells on the formation of immunologic memory in mice of various strains] Alefnik DIa, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):701-2 (Eng. Abstr.) **(Rus)**

[Mechanism of immune response inhibition during parabiosis of animals of different ages] Butenko GM, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):318-9 (Eng. Abstr.) **(Rus)**

[Genetic restriction on interaction between the effects of delayed hypersensitivity and suppressor cells] Fontalin DN, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):58-61 (Eng. Abstr.) **(Rus)**

[Autoreactivity of splenic cells of old rats and animals treated with hydrocortisone] Mellikhova AN, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):706-7 (Eng. Abstr.) **(Rus)**

[Analysis of certain mechanisms of antigen-specific suppression of the immune response] Pisarev VM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):61-3 (Eng. Abstr.) **(Rus)**

[Antigen-induced increase in the number of cells producing non-specific immunoglobulins] Sidorova EV, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):64-6 (Eng. Abstr.) **(Rus)**

[Effect of inhibitor-antioxidant of 3-hydroxypyridine series on cellular immunity] Suzdal'tseva AA, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):49-50 **(Rus)**

[Stimulation of antibody formation in the spleens of rats exposed to an alternating magnetic field in the thoracic region] Mel'nikov OF, et al. **Fiziol Zh** 1982 Jan-Feb; 28(1):109-12 **(Rus)**

[The EA-test for evaluating functional changes in the splenocytes on irradiation] Klemparskaia NN, et al. **Radiobiologiia** 1982 Jan-Feb;22(1):82-7 (Eng. Abstr.) **(Rus)**

[Suppressive action of bone marrow and spleen cells on antibody genesis and lymphoid cell proliferation in an in vitro culture of autoimmune mice (NZB.NZW)F1] Petrov RV, et al. **Tsitologiia** 1981 Jul;23(7):834-8 (Eng. Abstr.) **(Rus)**

[Changes in the functional state of immunocompetent cells and the central nervous system in the early stages of immune response development] Grigor'ev VA, et al. **Vestn Akad Med Nauk SSSR** 1981;(5):33-6 (Eng. Abstr.) **(Rus)**

[Natural killer activity of Wistar rat splenocytes and blocking effect of homologous serum on this activity] Lavrovskii VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):62-7 **(Rus)**

[Serum antibody and splenocyte immunoglobulin receptor affinity in multiply immunized mice] Levi MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):80-5 (Eng. Abstr.) **(Rus)**

[Affinity of serum antibodies and splenocyte receptors in immunized CBA mice] Levi MI. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):96-102 **(Rus)**

INJURIES

Experimental study of hepatic, renal, and splenic wound healing following laser, diathermy, and scalpel incisions. Orda R, et al. **Am Surg** 1981 Oct;47(10):447-51

Changing treatment of pediatric splenic trauma. Kakkasseril JS, et al. **Arch Surg** 1982 Jun;117(6):758-9

Traumatic splenic injury: its management in a patient population with a high incidence of associated injury. Livingston CD, et al. **Arch Surg** 1982 May;117(5):670-4

Radioisotope spleen scan in patients with splenic injury. Mishalany HG, et al. **Arch Surg** 1982 Sep;117(9):1147-50

Hepato-splenic injury in aircraft accidents. Hill IR. **Aviat Space Environ Med** 1982 Jan;53(1):19-23

The roles of scintigraphy in splenic trauma. Moallem AG, et al. **Clin Nucl Med** 1982 Jun;7(6):267-8

Ultrasonic study of hepatic and splenic traumatic lesions. Weill F, et al. **Eur J Radiol** 1981 Aug;1(3):245-9

Conservative surgery for splenic injury. Criado FJ, et al. **Injury** 1981 Jul;13(1):57-60

Repair of the injured spleen. Katz S, et al. **Injury** 1981 Jul; 13(1):53-6

Unusual splenic image in massive bleeding after capsular tear. Baldwin RD, et al. **Int J Nucl Med Biol** 1982;9(2):143-4

Hemostatic and healing studies of sodium amylose succinate (IP760). Jeffery DL, et al. **J Biomed Mater Res** 1982 Jan; 16(1):51-61

Rationale and methods of splenic preservation. Sherman R. **J Fla Med Assoc** 1981 Nov;68(11):887-9

Attempts to bypass the need for splenectomy in splenic injury. DeRisi D, et al. **J Surg Oncol** 1982 Feb;19(2):74-6

Post-splenectomy sepsis in traumatized adults [editorial] Condon RE. **J Trauma** 1982 Feb;22(2):169-70

The management of splenic injury. Hebeler RF, et al. **J Trauma** 1982 Jun;22(6):492-5

Panel: 'splenic injuries'. Sherman RT, et al. **J Trauma** 1982 Jun;22(6):507-10

Injuries associated with splenic trauma. Traub AC, et al. **J Trauma** 1981 Oct;21(10):840-7

Splenic preservation following splenic trauma. Traub AC, et al. **J Trauma** 1982 Jun;22(6):496-501

Splenic trauma, splenosis, and death from sepsis [letter] Oakes DD, et al. **JAMA** 1982 Mar 12;247(10):1404-5

Ruptured spleen in a boxer with infectious mononucleosis. Lovaas M. **Minn Med** 1981 Aug;64(8):461-2

Computed tomography of splenic trauma. Jeffrey RB, et al. **Radiology** 1981 Dec;141(3):729-32

The role of angiographic hemostasis in salvage of the injured spleen. Sclafani SJ. **Radiology** 1981 Dec;141(3):645-50

Splenic trauma: splenectomy or splenorrhaphy? Tsai JT, et al. **South Med J** 1982 May;75(5):616-7

Splenic and hepatic trauma in children. Cooney DR. **Surg Clin North Am** 1981 Oct;61(5):1165-80

Selective management of injured spleen. King DR, et al. **Surgery** 1981 Oct;90(4):677-82

Preservation of splenic function by autotransplantation of traumatized spleen in man. Patel J, et al. **Surgery** 1981 Oct; 90(4):683-8

[A rare early complication of post-traumatic splenectomy. Rupture of the gastric fundus (author's transl)] Apprill G. **J Chir (Paris)** 1982 Feb;119(2):121-2 (Eng. Abstr.) **(Fre)**

[Injuries to the spleen : treatment by infrared coagulation (author's transl)] Guthy E. **J Chir (Paris)** 1981 Jul-Aug; 118(6-7):429-31 (Eng. Abstr.) **(Fre)**

[Initial clinical experiences with fibrin adhesives in traumatic and intraoperative splenic injury] Scheele J. **Chirurg** 1981 Aug;52(8):531-4 (Eng. Abstr.) **(Ger)**

[Organ-preserving treatment of splenic injuries] Seufert RM, et al. **Dtsch Med Wochenschr** 1982 Apr 9;107(14):523-6 **(Ger)**

[Treatment of the injured spleen (author's transl)] Guthy E. **Langenbecks Arch Chir** 1981;354(3):173-9 (Eng. Abstr.) **(Ger)**

[Computed tomography for injuries of the liver and spleen (author's transl)] Schöpf R, et al. **ROFO** 1982 Jun; 136(6):681-4 **(Ger)**

[Splenectomy in children. Long-term follow-up] Galgano E, et al. **Chir Ital** 1981 Jun;33(3):734-40 **(Ita)**

[Splenic artery ligation for spleen injuries] Solheim K. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19-21):1133-4 (Eng. Abstr.) **(Nor)**

[Thoraco-abdominal wound with injuries of the diaphragm and abdominal organs] Fishchenko AIa. **Khirurgiia (Mosk)** 1981 Aug;(8):108 **(Rus)**

[Morbidity and mortality of splenic injuries] Baljozović AD. **Srp Arh Celok Lek** 1980 Nov;108(11):1159-66 **(Sec)**

[Treatment alternatives in spleen injuries in the newborn infant. Prognostic implications] Nieto Zermeño J, et al. **Bol Med Hosp Infant Mex** 1982 Mar;39(3):233-5 **(Spa)**

INNERVATION

Pharmacological investigation of alpha-adrenoreceptors in guinea-pig splenic capsule. Digges KG, et al. **J Auton Pharmacol** 1981 Sep;1(4):313-20

METABOLISM

Intrasplenic pH in normal and phenylhydrazine-induced anemic rats. Chen LT, et al. **Am J Hematol** 1981 Dec; 11(4):403-7

Fibrin deposits in Hodgkin's disease. Harris NL, et al. **Am J Pathol** 1982 Jul;108(1):119-29

On the mechanism of noradrenaline-induced prostaglandin E2-Synthesis in primary cell cultures from rabbit splenic pulpa. Brückner-Schmidt R, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):266-77

Iron and macrophage: the monocyte is a metabolic idiot. Crosby WH. **Arch Intern Med** 1982 Feb;142(2):233-5

Dissociation between hepatosplenic and marrow iron in liver cirrhosis. Ali M, et al. **Arch Pathol Lab Med** 1982 Apr; 106(4):200-4

Leukotriene C4: the major lipoxygenase metabolite of arachidonic acid in dog spleen. Malik KU, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):511-20

Increased synthesis and concentration of dolichyl phosphate in mouse spleens during phenylhydrazine-induced erythropoiesis. Potter JE, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):691-6

O-(4-Diazo-3,5-di[125I]iodobenzoyl)sucrose, a novel radioactive label for determining organ sites of catabolism of plasma proteins. De Jong AS, et al. **Biochem J** 1981 Jul 15;198(1):45-51

Non-enzymic glycosylation of horse spleen and rat liver ferritins. Zaman Z, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):120-4

Splenic accumulation of technetium 99m-methylene diphosphonate. Nisbet AP, et al. **Br J Radiol** 1982 Jun; 55(654):454-5

Alterations in hepatic and splenic microsomal electron transport system components, drug metabolism, heme oxygenase activity, and cytochrome P-450 turnover in Murphy-Sturm lymphosarcoma-bearing rats. Schacter BA, et al. **Cancer Res** 1982 Sep;42(9):3557-64

Cytolytic T lymphocyte responses to metabolically inactivated stimulator cells. II. Effect of a soluble 'costimulator' factor(s) in primary and secondary mixed leukocyte culture. Kelso A, et al. **Cell Immunol** 1982 Mar 1;67(2):370-83

Cytolytic T lymphocyte responses to metabolically inactivated stimulator cell. I. Metabolic inactivation impairs both CD and LD antigen signals. Kelso A, et al. **Cell Immunol** 1982 Mar 1;67(2):355-69

Contribution of depressed reuptake to the depletion of norepinephrine from rat heart and spleen during endotoxin shock. Pardini BJ, et al. **Circ Shock** 1982;9(2):129-43

Characterization and localization of [3H]-clonidine binding in membranes prepared from guinea-pig spleen. McPherson GA, et al. **Clin Exp Pharmacol Physiol** 1982 Jan-Feb; 9(1):77-87

Specific nuclear binding of angiotensin II by rat liver and spleen nuclei. Re RN, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):245s-247s

Release of estradiol from fetal bovine serum by rat thymus, spleen, kidney, lung and lung macrophage cultures. Reynolds H, et al. **Endocrinology** 1982 Jun;110(6):2213-5

Circadian stage-dependent effects of insulin and glucagon on incorporation of [3H]thymidine into deoxyribonucleic acid in the esophagus, stomach, duodenum, jejunum, ileum, caecum, colon, rectum, and spleen of the adult female mouse. Scheving LA, et al. **Endocrinology** 1982 Jul; 111(1):308-15

Unique characteristics of rat spleen lymphocyte, L1210 lymphoma and HeLa cells in glutathione biosynthesis from sulfur-containing amino acids. Brodie AE, et al. **Eur J Biochem** 1982 Mar;123(1):159-64

Dolichol pathway in lymphocytes from rat spleen. Influence of the glucosylation on the cleavage of dolichyl diphosphate oligosaccharides into phosphooligosaccharides. Hoflack B, et al. **Eur J Biochem** 1981 Jul;117(2):285-90

Specific triiodothyronine binding by tumor cells and spleen cells in a thyroid hormone dependent mouse tumor system. Gupta MK, et al. **Eur J Cancer Clin Oncol** 1981 Jul; 17(7):819-23

Effect of high level of endogenous corticosterone on glucocorticoid receptors in the spleen of rats bearing AH130 tumors. Tsukanaka K, et al. **Gan** 1981 Oct;

72(5):754–61

Age-related changes in the in vitro glucocorticoid responsiveness of rat spleen and splenic leukocytes. Kalimi M, et al. **Gerontology** 1982;28(2):91–8

The role of 2-mercaptoethanol in the stimulation of spleen cell cultures: increased uptake of cystine into the TCA-soluble pool. Burger M, et al. **Immunol Lett** 1982 Apr;4(4):193–7

Inhibition and stimulation of leukocyte adherence by soluble factors from murine lymphocytes. Dunn IS, et al. **Immunol Lett** 1981 Dec;3(6):351–6

Biosynthesis of the erythrocyte anion transport protein. Braell WA, et al. **J Biol Chem** 1981 Nov 10; 256(21):11337–44

Iron binding by horse spleen apoferritin. A vanadyl(IV) EPR spin probe study. Chasteen ND, et al. **J Biol Chem** 1982 Jul 10;257(13):7672–7

Elution of 111Indium from reticuloendothelial cells. Peters AM, et al. **J Clin Pathol** 1982 May;35(5):507–9

Antigen-specific suppression of type II collagen-induced arthritis by collagen-coupled spleen cells. Schoen RT, et al. **J Immunol** 1982 Feb;128(2):717–9

Induction of interferon by mycoplasmas in mouse spleen cell cultures. Beck J, et al. **J Interferon Res** 1982;2(1):31–6

Large scale production of human interferon from human spleens. Fauconnier B. **J Interferon Res** 1980 Fall;1(1):15–7

Immunologic heterogeneity of the folate-binding proteins from chronic myelogenous leukemia cells and myelofibrosis spleen. da Costa M, et al. **J Lab Clin Med** 1981 Dec; 98(6):956–64

Technetium-99m DTPA splenic uptake. Pedell L, et al. **J Nucl Med** 1981 Sep;22(9):798–9

Effect of excess dietary zinc on tissue storage of iron in rats. O'Neil-Cutting MA, et al. **J Nutr** 1981 Nov; 111(11):1969–79

A specific estrogen receptor in the mouse spleen. Characterization and evidence of physiological regulation. West NB, et al. **J Steroid Biochem** 1982 Apr;16(4):557–62

Further characterization of amyloid-enhancing factor. Axelrad MA, et al. **Lab Invest** 1982 Aug;47(2):139–46

Cryptococcal capsular polysaccharide clearance in nonimmune mice. Muchmore HG, et al. **Mycopathologia** 1982 Apr 23;78(1):41–5

Stimulation of prostaglandin E2-synthesis by noradrenaline in primary cell cultures from rabbit splenic pulpa is mediated by atypical alpha-adrenoceptors. Brückner-Schmidt R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):1–7

Effect of protein aggregation on murine splenic prostaglandin F2 alpha levels. Wieder KJ, et al. **Prostaglandins Med** 1981 Dec;7(6):483–7

Changes of essential metal levels in selected tissues and splenomegaly induced by the injection of suspending cadmium salt into mice. Maitani T, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):219–27

[Incorporation of 114c-leucine into hepatic and splenic tissue of rats during an experimental study of the effect of methyl palmitate on the RES (author's transl)] Kseliková M, et al. **Cas Lek Cesk** 1980 Oct 10;119(40–41):1108–10 (Eng. Abstr.) **(Cze)**

[Tritiated thymidine incorporation into the rat spleen and into lymphocytes of splenic arterial blood, splenic venous blood, and capillary blood following thoracic duct blockade (author's transl)] Cremer H, et al. **Pathol Res Pract** 1981 Dec;173(1–2):88–106 (Eng. Abstr.) **(Ger)**

[Absorption of various trace elements from milk products for infants. Absorption of iron and copper from humanized milk Lactovit O] Zmarlicka M, et al. **Pediatr Pol** 1982 Feb–Mar;57(2–3):107–13 (Eng. Abstr.) **(Pol)**

[Inhibition of DNA synthesis in vitro in normal and leukemic spleen cells after administration of a lyophilized aqueous extract of normal spleen tissue] Svirnovskiĭ AI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):715–7 **(Rus)**

[Complexity and diversity of poly(A)-containing mRNAs from different tissues of Bos taurus] Gorodetskiĭ SI, et al. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):82–93 (Eng. Abstr.) **(Rus)**

[Microinjection of non-histone chromatin protein derived from mouse spleen into L cells] Karavanov AA, et al. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):234–42 (Eng. Abstr.) **(Rus)**

[Effect of pharmacologically active agents on the transformation of cystamine in mouse tissues] Tarnopol'skaia LG. **Radiobiologiia** 1982 Mar–Apr; 22(2):246–50 **(Rus)**

[Effect of hydrocortisone and insulin on the adenine nucleotide content of the spleens of alloxan diabetes rats] Khaliavko PM, et al. **Ukr Biokhim Zh** 1982 Mar–Apr; 54(2):213–6 (Eng. Abstr.) **(Rus)**

[Peculiarities of reaction activity of the pentose phosphate pathway in different tissues] Napkhaniuk VK, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):110–3 (Eng. Abstr.) **(Rus)**

[Characteristics of metabolism in fast-labelling nuclear RNA spleen cells of mice with Rauscher leukemia] Smirnova IA, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):159–62 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of L-forms from the spleens of Brucella suis-infected, penicillin-treated mice. Schmitt-Slomska J, et al. **Ann Microbiol (Paris)** 1981 May–Jun;132(3):253–65

Electron microscopic examination of the inflammatory response to Legionella pneumophila in guinea pigs. Katz SM, et al. **Lab Invest** 1982 Jan;46(1):24–32

Hematopoietic cells transformed in vitro by REVT avian reticuloendotheliosis virus express characteristics of very immature lymphoid cells. Beug H, et al. **Virology** 1981 Dec; 115(2):295–309

PARASITOLOGY

Isolation of Leishmania from the spleen of a dog in Iraq. Sukkar F, et al. **Trans R Soc Trop Med Hyg** 1981; 75(6):859–60

PATHOLOGY

Splenic granulomas in Farmer's lund disease. An extrapulmonary manifestation of extrinsic allergic alveolitis. Venho KK, et al. **Acta Med Scand** 1982;211(5):413–4

Functional hyposplenism, a diagnostic clue in amyloidosis. Report of six cases. Boyko WJ, et al. **Am J Clin Pathol** 1982 Jun;77(6):745–8

Primary splenic hairy cell leukemia--remission for 21 years following splenectomy. Myers TJ, et al. **Am J Hematol** 1981 Nov;11(3):299–303

Splenic atrophy in systemic lupus erythematosus. Dillon AM, et al. **Ann Intern Med** 1982 Jan;96(1):40–3

Splenic alterations in hairy cell leukemia. Pilon VA, et al. **Arch Pathol Lab Med** 1981 Nov;105(11):577–81

In situ immunologic characterization of cellular constituents in lymph nodes and spleens involved by Hodgkin's disease. Poppema S, et al. **Blood** 1982 Feb;59(2):226–32

Overwhelming pneumococcal septicaemia in a patient with ulcerative colitis and splenic atrophy. Foster KJ, et al. **Gut** 1982 Jul;23(7):630–2

Coeliac disease, splenic function, and malignancy. Robertson DA, et al. **Gut** 1982 Aug;23(8):666–9

Splenic atrophy in adult coeliac disease: is it reversible? Trewby PN, et al. **Gut** 1981 Aug;22(8):628–32

Immunocytochemical identification of amyloid in formalin-fixed paraffin sections. Shirahama T, et al. **Histochemistry** 1981;72(2):161–71

Wiskott-Aldrich syndrome: histopathologic findings in the lymph nodes and spleens of 15 patients. Snover DC, et al. **Hum Pathol** 1981 Sep;12(9):821–31

Experimental parainfluenzavirus infection in mice: fatal illness with atrophy of thymus and spleen in mice caused by a variant of parainfluenza 3 virus. Shibuta H, et al. **Infect Immun** 1982 Feb;35(2):437–41

Combined chemotherapy--radiotherapy on spleen hypertrophy after C. parvum: combined treatment with 5-FU cyclophosphamide and radiation. Maruyama Y, et al. **Int J Radiat Biol** 1981 Nov;40(5):475–82

Neonatal infection with mouse thymic virus: spleen and lymph node necrosis. Wood BA, et al. **J Gen Virol** 1981 Nov;57(Pt 1):139–47

Clearance mediated by splenic macrophage membrane receptors for immune complexes in cutaneous vasculitis. Dambuyant C, et al. **J Invest Dermatol** 1982 Mar; 78(3):194–9

Differences in spleen suppressor cell content in rats with progressing and regressing tumors. Hollingsworth MA, et al. **JNCI** 1982 Jul;69(1):53–8

Response of the murine lymphoid system to a chronic infection with Trypanosoma congolense. I. The spleen. Morrison WI, et al. **Lab Invest** 1981 Dec;45(6):547–57

Spleen immunomorphologic behaviour in primary and secondary acute bronchopulmonary inflammations of children. Comparative analysis of the lung and hilar-tracheobronchial lymph nodes' reactions. Gădăleanu V. **Morphol Embryol (Bucur)** 1981 Jul–Sep;27(3):219–25

Changes in hemopoiesis of mice of the C3H strain following transplantation of Gardner lymphosarcoma and infection with LDH-virus. II. Spleen and bone marrow. Viktora L, et al. **Neoplasma** 1981;28(1):87–93

Spleen colony assay of the cells from murine plasma cell leukemia secreting more than one class of immunoglobulin heavy chain. Yoshida H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):90–7

Influence of activity-stress on thymus, spleen and adrenal weights of rats: possibility for an immunodeficiency model. Hara C, et al. **Physiol Behav** 1981 Aug;27(2):243–8

Spleen size changes in children with homozygous beta-thalassaemia in relation to blood transfusion. Karpathios T, et al. **Scand J Haematol** 1982 Mar; 28(3):220–6

Gaucher's disease with monoclonal gammopathy. Significance of splenic plasmacytosis. Marie JP, et al. **Scand J Haematol** 1982 Jan;28(1):54–8

Multinodular splenic abnormality in a red patas monkey. Landsdown AB. **Vet Rec** 1982 May 1;110(18):429–30

The cellular response of T and B dependent areas of the spleen after focal thermocoagulation of liver and kidney. Helpap B, et al. **Virchows Arch [Cell Pathol]** 1981; 36(2–3):291–302

Morphometrical analysis of T- and B-cell compartments of spleens in Hodgkin's disease. Timens W, et al. **Virchows Arch [Cell Pathol]** 1982;38(3):291–6

Foreign body giant cell reaction in lungs, liver and spleen. A complication of long term haemodialysis. Krempien B, et al. **Virchows Arch [Pathol Anat]** 1981;392(1):73–80

Initial proliferation site of Marek's disease tumor cells in the spleen. Ichijo K, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):177–89

[Changes in spleen weight due to hepatic steatosis and fibrosis (author's transl)] Bettendorf U, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):980–3 (Eng. Abstr.) **(Ger)**

[Structural and functional changes in the spleen in experimental proteins and energy deficiency] Krustev LP, et al. **Nahrung** 1982;26(2):113–9 (Eng. Abstr.) **(Ger)**

[An interesting case of peritoneal splenosis] Zucca G, et al. **Pathologica** 1980 Sep–Oct;72(1021):691–7 (Eng. Abstr.) **(Ita)**

[Morphology of the spleen in hemolytic anemia — light microscopic observations (author's transl)] Kikuchi M, et al. **Rinsho Ketsueki** 1981 May;22(5):578–84 (Eng. Abstr.) **(Jpn)**

[Effect of the immune complex on the mobility of splenocytes and pneumocytes] Wilczyński J, et al. **Med Dosw Mikrobiol** 1981;33(2):127–31 (Eng. Abstr.) **(Pol)**

[Response of lymphoid and hematopoietic tissues to the growth of syngeneic transplantable hemangiopericytomas in mice] Koval'skaia NI, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):82–5 (Eng. Abstr.) **(Rus)**

[Thymic and splenic pathology in rats deficient in lipotropic factors] Arienti de Garcia I, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):590–606 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Influence of the spleen on the blood distribution of the colony-forming cells (CFU-C) in man. Morra L, et al. **Acta Haematol (Basel)** 1981;66(2):81–5

Comparison of cell proliferation in the regenerating bone marrow and spleen of irradiated mice with the use of 125I-iododeoxyuridine. Pospíšil M, et al. **Acta Radiol [Oncol]** 1981;20(6):373–8

Distribution and identity of the earliest proliferating progeny of colony-forming cells in regenerating murine spleen and bone marrow. Wolf N, et al. **Am J Anat** 1982 Feb; 163(2):131–40

Recovery of splenic function after GVHD-associated functional asplenia. Demetrakopoulos GE, et al. **Am J Hematol** 1982 Feb;12(1):77–80

The spleen and splenectomy. Wong HB. **Ann Acad Med Singapore** 1981 Oct;10(4):445–51

Postsplenectomy splenic activity. Orda R, et al. **Ann Surg** 1981 Dec;194(6):771–4

Dielectric properties of animal tissues in vivo at frequencies 10 MHz--1 GHz. Stuchly MA. et al. **Bioelectromagnetics** 1981;2(2):93–103

Analysis of heat-damaged erythrocyte clearance curves. Peters AM, et al. **Br J Haematol** 1981 Dec;49(4):581–6

DNA damage in liver, kidney, bone marrow, and spleen of rats and mice treated with commercial and purified aniline as determined by alkaline elution assay and sister chromatid exchange induction. Parodi S, et al. **Cancer Res** 1982 Jun; 42(6):2277–83

Regeneration of splenic tissue after autologous subcutaneous implantation: development of non-lymphoid cells in the white pulp of the rat spleen. Dijkstra CD, et al. **Cell Tissue Res** 1982 Jan;222(1):69–79

The route of migration of lymphocytes from blood to spleen and mesenteric lymph nodes in the pig. Pabst R, et al. **Cell Tissue Res** 1981;221(2):361–70

Evidence for splenic sequestration of in vivo labeled erythrocytes [letter] Savage JP, et al. **Clin Nucl Med** 1981 Sep;6(9):427–8

Stimulated and non-stimulated rat spleen cells release different DNA-complexes. Adams DH, et al. **Differentiation** 1982;22(1):47–52

Plasma renin activity and plasma catecholamines in intact and splenectomized running and swimming beagle dogs. Joles JA, et al. **Eur J Applied Physiol** 1982;49(1):111–9

Regeneration of transplanted allogeneic hemopoietic progenitor cells in mouse spleen organ cultures. von Melchner H, et al. **Exp Hematol** 1981 Nov;9(10):978–89

Dissecting the hematopoietic microenvironment. IV: regeneration of splenic microstructure- prerequisites and chronology of reconstruction. Wolf NS. **Exp Hematol** 1982 Jan;10(1):98–107

Dissecting the hematopoietic microenvironment. V: limitations of repair following damage to the hematopoietic support stroma. Wolf NS. **Exp Hematol** 1982 Jan; 10(1):108–18

Mouse macrophage functions under the influence of factors released by spleen cells preincubated with the methanol extraction residue (MER) tubercle bacillus fraction. Gallily R, et al. **Immunopharmacology** 1981 Sep;3(3):221–31

Effect of splenic sequestration of erythrocytes on splenic clearance function and susceptibility to septic peritonitis. Grover GJ, et al. **Infect Immun** 1982 Apr;36(1):96–102

Concentration of mast-cell progenitors in bone marrow, spleen, and blood of mice determined by limiting dilution analysis. Sonoda T, et al. **J Cell Physiol** 1982 Jul; 112(1):136–40

The effect of partial splenectomy on experimental pneumococcal bacteremia in an animal model. Okinaga K, et al. **J Pediatr Surg** 1981 Oct;16(5):717–24

Regeneration of splenic remnants after partial splenectomy in rats. Bradshaw PH, et al. **J Surg Res** 1982 Feb; 32(2):176–81

Overwhelming pneumococcal infection in rats immediately after splenectomy. Gullstrand P, et al. **J Surg Res** 1982 Sep;33(3):220–4

Splenic trauma, splenosis, and death from sepsis [letter] Oakes DD, et al. **JAMA** 1982 Mar 12;247(10):1404–5

Effects of adrenal demedullation and peripheral noradrenaline–depleting agents on adrenocortical function and spleen in rats. Inaba M, et al. **Jpn J Pharmacol** 1981 Oct;31(5):787–93

Blood cells and the spleen. Kariyone S. **Nippon Ketsueki Gakkai Zasshi** 1980 Dec;43(6):979–94 (20 ref.)

The effect of prostaglandin metabolism on immunoglobulin and antibody production in naive and educated whole spleen cells. Wieder KJ, et al. **Prostaglandins Med** 1981 Aug;7(2):79–90

Measurement of splenic function in humans using heat damaged autologous red blood cells. Peters AM, et al. **Scand J Haematol** 1981 Nov;27(5):374–80

Confirmational, provisional, and/or regional assignment of 15 enzyme loci onto Chinese hamster autosomes 1, 2, and 7. Stallings RL, et al. **Somatic Cell Genet** 1981 Nov; 7(6):683–98

Functional assessment of hepatocytes after transplantation into rat spleen.. Woods RJ, et al. **Transplantation** 1982 Feb; 33(2):123–6

A prospective study of development of splenic reticuloendothelial function in premature and term infants. Kim KY, et al. **Yonsei Med J** 1980;21(2):110–5

[The function of the spleen (author's transl)] Ferrant A. **Acta Gastroenterol Belg** 1981 Mar–Apr;44(3–4):164–70 (Eng. Abstr.) **(Fre)**

[Changes in the weight of the thymus and spleen of the mouse during pregnancy (author's transl)] Heinecke H. **Anat Anz** 1981;149(5):509–10 **(Ger)**

[Spleen and red cell destruction (author's transl)] Uchida T. **Rinsho Ketsueki** 1981 May;22(5):608–13 **(Jpn)**

[Role of the spleen in the physiology and pathology of the thrombopoietic system and the effect of splenectomy on thrombocytokinetics] Sylwestrowicz T. **Acta Haematol Pol** 1981 Jan–Mar;12(1):47–51 (37 ref.) **(Pol)**

[Morphological changes in the thymus and peripheral lymphoid organs during systemic graft versus host reaction] Meshkova RIa, et al. **Biull Eksp Biol Med** 1981 Nov; 92(11):604–6 (Eng. Abstr.) **(Rus)**

[Regeneration of spleen tissue after splenectomy] Korolev VF. **Vestn Khir** 1981 Aug;127(8):70 **(Rus)**

PHYSIOPATHOLOGY

Interaction of blood–borne Escherichia coli with phagocytes of spleen and liver in turkeys. Arp LH, et al. **Am J Vet Res** 1981 Apr;42(4):650–7

Prevention of fatal bacterial infection in patients with anatomic or functional asplenia [editorial] Austrian R. **Ann Intern Med** 1982 Jan;96(1):117–9

Atypical reticulocytes in rats with malaria as a possible consequence of the pitting function of the spleen. Tosta CE, et al. **Ann Trop Med Parasitol** 1981 Jun;75(3):363–5

Assessment of the sites of red cell destruction using quantitative measurements of splenic and hepatic red cell destruction. Ferrant A, et al. **Br J Haematol** 1982 Apr; 50(4):591–8

Splenic function in childhood coeliac disease. Corazza GR, et al. **Gut** 1982 May;23(5):415–6

Involvement of cells of hematopoietic origin in genetically determined resistance of Syrian hamsters to vesicular stomatitis virus. Fultz PN, et al. **Infect Immun** 1981 Nov; 34(2):540–9

Splenic reticuloendothelial function in patients with active rheumatoid arthritis. Gordon PA, et al. **J Rheumatol** 1981 May–Jun;8(3):490–3

Partial splenectomy and overwhelming infection in rats. Bradshaw PH, et al. **J Surg Res** 1982 Feb;32(2):173–5

Splenic phagocytic function in patients with inflammatory bowel disease. Jewell DP, et al. **Pathology** 1981 Oct; 13(4):717–23

RADIATION EFFECTS

Comparison between two radiation protective substances in irradiated mice. Effect on splenic haemopoiesis. Carfagnini JC, et al. **Acta Radiol [Oncol]** 1981;20(3):199–208

Functional hyposplenia after splenic irradiation for Hodgkin's disease. Coleman CN, et al. **Ann Intern Med** 1982 Jan; 96(1):44–7

Biologic effects of microwave exposure. II. Studies on the mechanisms controlling susceptibility to microwave-induced increases in complement receptor–positive spleen cells. Schlagel CJ, et al. **Bioelectromagnetics** 1980;1(4):405–14

Splenic irradiation in B–prolymphocytic leukaemia. Oscier DG, et al. **Br J Haematol** 1981 Aug;48(4):577–84

Accessory function of a small radioresistant spleen cell population in the generation of T–cell–mediated cytotoxicity. D'Angeac AD, et al. **Cell Immunol** 1982 Mar 15;68(1):1–15

Immunologic effects of whole–body ultraviolet (uv) irradiation. III Defective splenic adherent cell function in alloantigen–stimulated T–cell proliferation. Picus J, et al. **Cell Immunol** 1981 Sep 15;63(2):300–7

Stimulatory cells in the generation of T–cell–mediated cytotoxicity: potent stimulating activity of a small radioresistant spleen cells population (RSCs). Reme T, et al. **Cell Immunol** 1981 Sep 15;63(2):335–48

Combined effects of natural resistance and chemotherapy against a murine lymphoma in lethally–irradiated mice. Iorio AM, et al. **Int J Cancer** 1981 Oct 15;28(4):497–502

Treatment of lymphocytic infiltrative ulcers of the face by minimal dose irradiation of the spleen [letter] Kohn D, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):314

Spleen cells from adult mice given total lymphoid irradiation or from newborn mice have similar regulatory effects in the mixed leukocyte reaction. I. Generation of antigen–specific suppressor cells in the mixed leukocyte reaction after the addition of spleen cells from adult mice given total lymphoid irradiation. Okada S, et al. **J Exp Med** 1982 Aug 1;156(2):522–38

Residual radiation effect in the murine spleen. In situ measurement by 125–iodo–deoxyuridine retention. Hübner GE, et al. **Radiat Environ Biophys** 1982;20(3):195–200

The reaction of the thymus and spleen to radiocalcium (Ca–45) measured by changes in organs weights. Gupta NK, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):57–60

[Ribonucleic acid degradation in spleen and thymus cells of rats following whole body x–ray irradiation] Tempel K. **Zentralbl Veterinarmed [A]** 1981;28(4):327–37 (Eng. Abstr.) **(Ger)**

[Effect of the serum of rats with the posterior hypothalamus nuclei destroyed on the formation of hemopoietic colonies in the spleen of fatally irradiated mice undergoing bone marrow cell transplantation] Fedorov NA, et al. **Probl Gematol Pereliv Krovi** 1982 Feb;27(2):28–30 (Eng. Abstr.) **(Rus)**

[Effect of a single microwave exposure on the number and functional properties of T– and B–lymphocytes of guinea pig and mouse spleens] Rudakov IA, et al. **Radiobiologiia** 1981;21(4):626–30 (Eng. Abstr.) **(Rus)**

[Changes in the transaldolase activity in the liver, spleen and bone marrow of rats after total X–ray irradiation] Savitskii IV, et al. **Ukr Biokhim Zh** 1982;54(1):79–82 (Eng. Abstr.) **(Rus)**

[Participation of glucocorticoids and insulin in changes in energy metabolism in the spleen of irradiated rats] Sutkovoi DA. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):171–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Volume determinations using computed tomography. Breiman RS, et al. **AJR** 1982 Feb;138(2):329–33

Splenic opacification in homozygous sickle cell disease. McCall IW, et al. **Clin Radiol** 1981 Nov;32(6):611–5

A rare lymphangiographic complication: contrast–staining of liver and spleen. Vachter J, et al. **Radiol Diagn (Berl)** 1981; 22(5):609–14

Measurement of liver and spleen volume by computed tomography. Assessment of reproducibility and changes found following a selective distal splenorenal shunt. Henderson JM, et al. **Radiology** 1981 Nov;141(2):525–7

[Abdominal angio–CT: technique of injection and scanning (author's transl)] Rossi P, et al. **Radiol Med (Torino)** 1981 Apr;67(4):217–23 (Eng. Abstr.) **(Ita)**

[Radiological determination of size of the spleen in hepatic, pancreatic and biliary tract diseases (author's transl)] Onodera H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):282–6 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the diagnosis of hepatic cirrhosis (author's transl)] Yajima Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):355–60 (Eng. Abstr.) **(Jpn)**

[Experimental hepatosplenography after the administration of liposomes with verografin] Aliiakparov MT, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):45–8 **(Rus)**

[New approach to contrasting of liver and spleen using water–soluble roentgenocontrast media incorporated into liposomes] Zherbin EA, et al. **Vestn Akad Med Nauk SSSR** 1982;(4):84–9 **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide angiography of the liver and spleen. Noninvasive method for assessing the ratio of portal venous to total hepatic blood flow and portasystemic shunt patency. Rypins EB, et al. **Am J Surg** 1981 Nov; 142(5):574–9

Utility of radionuclide liver/spleen scanning and serum enzyme level in detecting hepatic metastases from ovarian carcinoma. Mettler FA Jr, et al. **Cancer** 1982 Sep 1; 50(5):909–11

The 'hot spleen' phenomenon in metastatic malignant melanoma: its incidence and relationship with the immune system. Wagstaff J, et al. **Cancer** 1982 Feb 1;49(3):439–44

Localization of gelfoam emboli after partial splenic embolization utilizing 99mTc–labeled emboli. Berger JL, et al. **Cardiovasc Intervent Radiol** 1982;5(1):20–4

Visualization of residual splenic tissue: a high intensity technique. Andrus MS, et al. **Clin Nucl Med** 1981 Dec; 6(12):577–8

Sequential liver–spleen scanning for documentation of wandering spleen. Barnett SM, et al. **Clin Nucl Med** 1981 Nov;6(11):528–31

Perisplenic halo on Tc–99m sulfur colloid scintigraphy: a sign of mild ascites. Shih WJ, et al. **Clin Nucl Med** 1982 Apr;7(4):187–9

Accumulation of Tc–99m MDP in the spleen of a battered child. Sty JR, et al. **Clin Nucl Med** 1982 Jun;7(6):292

Relative decreased splenic uptake of Tc–99m–sulfur colloid in patients with pancreatic carcinoma. Tatum JL, et al. **Clin Nucl Med** 1982 Jan;7(1):1–4

An unusual cause of an isolated, focal splenic defect demonstrated by liver–spleen scintigraphy. Waller RM 3d, et al. **Clin Nucl Med** 1982 Jan;7(1):5–7

A noninvasive scintigraphic method for assessing the patency of portasystemic shunts. Rypins EB, et al. **Curr Surg** 1982 May–Jun;39(3):171–5

111Indium–labelled white blood cells in the diagnosis of Felty's syndrome. Birnie GG, et al. **J Clin Pathol** 1982 Jan;35(1):74–6

Splenic scintigraphy using Tc–99m–labeled heat–denatured red blood cells in pediatric patients: concise communication. Ehrlich CP, et al. **J Nucl Med** 1982 Mar; 23(3):209–13

A noninvasive method for measuring portal venous/total hepatic blood flow by hepatosplenic radionuclide angiography. Sarper R, et al. **Radiology** 1981 Oct; 141(1):179–84

Detection of splenosis and ectopic spleens with 99mTc–labelled heat damaged autologous erythrocytes in 90 splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1981 Jul;27(1):51–6

[Study of the liver and spleen with Tc–m99 colloid in children with birth injuries] Bairov GA, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):49–52 (Eng. Abstr.) **(Rus)**

[Diagnostic effectiveness of 99mTc–phytate colloid in the study of the hepatolienal area] Zubovskii GA, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):24–8 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of the liver and spleen scanning in Hodgkin's disease] Kholin VV, et al. **Vrach Delo** 1981 Oct; (10):72–4 **(Rus)**

SECRETION

Ionomycin stimulates secretion of catecholamines from cat adrenal gland and spleen. Carvalho MH, et al. **Am J Physiol** 1982 Mar;242(3):E137–45

SURGERY

Ultrasonic surgical dissection in the dog spleen. Derderian GP, et al. **Am J Surg** 1982 Feb;143(2):269–73

Splenic capping: an experimental study of a new technique for splenorrhaphy using woven polyglycolic acid mesh. Delany HM, et al. **Ann Surg** 1982 Aug;196(2):187–93

Function of the replanted spleen in dogs. Velcek FT, et al. **J Trauma** 1982 Jun;22(6):502–6

Let the preserver of spleens beware [editorial] Morgenstern L. **Surg Gynecol Obstet** 1982 Jan;154(1):81

Effect of cyclosporin A on allotransplanted pancreatic fragments to the spleen of totally pancreatectomized dogs. DuToit DF, et al. **Transplantation** 1982 Mar;33(3):302–7

[Reimplantation of splenic tissue after neonatal trauma (author's transl)] Aigner K, et al. **Ann Chir** 1981 Sep; 35(7):465–7 (Eng. Abstr.) **(Fre)**

[The use of fibrin tissue adhesive in parenchymal organs of the abdomen. An experimental study in rabbits and dogs (author's transl)] Scheele J, et al. **Langenbecks Arch Chir** 1981;354(4):245–54 (Eng. Abstr.) **(Ger)**

[CO2–laser scalpel in surgery of parenchymous organs. Animal experiments (author's transl)] Skobelkin OK, et al. **Zentralbl Chir** 1982;107(4):214–7 (Eng. Abstr.) **(Ger)**

[Primary splenic pregnancy] Alcalay J, et al. **Harefuah** 1981 Jun 15;100(12):577 **(Heb)**

[Splenohepatoplasty: is it an inhibitory surgical technic for hepatic cancer?] Vara Thorbeck R, et al. **Rev Clin Esp** 1981 Dec 15;163(5):323–6 (Eng. Abstr.) **(Spa)**

[Splenic implantation in spleen injuries] Zamudio Tiburcio A, et al. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):45–8 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Heterotopic transplantation of syngeneic lymphoid tissues in mice. The ability of graft repopulation cells to enhance cell–mediated immunity as measured in the lymphocyte–induced angiogenesis assay. Kamiński MJ, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):525–7

Experimental splenosis: a comparative study in rats. Lau JT, et al. **Aust NZ J Surg** 1982 Apr;52(2):210–5

Implantation of autologous splenic tissue after splenectomy for trauma. Lanng Nielsen J, et al. **Br J Surg** 1982 Sep; 69(9):529–30

Feedback suppression of the immune response in vivo. II. Involvement of prostaglandins in the generation of suppressor–inducer B lymphocytes. Shimamura T, et al. **Cell Immunol** 1982 May 1;69(1):192–5

Protection against pneumococcal sepsis in splenectomized rats by implantation of splenic tissue into an omental pouch. Patel J, et al. **Curr Surg** 1981 Sep–Oct;38(5):323–5

Graft–vs–leukemia and moderation of graft–vs–host reaction in transplantation therapy of viral leukemia. Okunewick JP, et al. **Exp Hematol** 1981 Aug;9(7):754–65

Termination of tolerance to human serum albumin in chickens by adoptive transfers of spleen cells. Hraba T, et al. **Folia Biol (Praha)** 1981;27(4):279–83

Evidence for peripheral release of a lymphokine following transplantation in mice. Korčáková L, et al.

Folia Biol (Praha) 1981;27(5):318–23

Different states of transplantation tolerance, and the problem of inheritance of tolerance. Hašek M, et al. **Immunol Lett** 1981 Aug;3(3):183–6

Induction of transplantation tolerance in guinea pigs by spleen allografts. II. Responses in the mixed leukocyte reaction correlate with the tolerant state. Shevach EM, et al. **J Immunol** 1982 Aug;129(2):710–5

Heart and spleen twin grafts in rats. II. Delayed host splenectomy. Tauber JW, et al. **J Microsurg** 1981 Jun; 2(4):261–8

Splenic autotransplantation: optimal functional factors. Vega A, et al. **J Pediatr Surg** 1981 Dec;16(6):898–904

Antibody responses after splenectomy and splenic autoimplantation in rats. Church JA, et al. **J Surg Res** 1981 Oct;31(4):343–6

Intraportal splenic autotransplantation in rats: feasibility and effectiveness. Oakes DD, et al. **J Surg Res** 1982 Jan; 32(1):7–14

Depression of natural antitumor resistance of C57BL/6 mice by leukemogenic doses of radiation and restoration of resistance by transfer of bone marrow or spleen cells from normal, but not beige, syngeneic mice. Gorelik E, et al. **JNCI** 1982 Jul;69(1):89–93

Mechanisms of immunologic eradication of a syngeneic guinea pig tumor. I. Quantitative analysis of adoptive immunity. Shu S, et al. **JNCI** 1982 Apr;68(4):673–80

Inhibition of foot pad multiplication of M. leprae in mice vaccinated with leproma derived M. leprae precursor coccoid organism and passive transfer of DTH response to normal mice through infusion of splenic cells of such vaccinated mice. Bhide MB, et al. **Lepr India** 1981 Oct; 53(4):580–7

Toxicity of spleen cell suspensions from heavily irradiated mice—implications for CFU-S seeding. Hübner GE, et al. **Radiat Res** 1981 Nov;88(2):326–32

An omental implantation technique for salvage of the spleen. Kusminsky RE, et al. **Surg Gynecol Obstet** 1982 Sep; 155(3):407–8

The influence of splenic tissue implantation upon platelet population in rabbits after splenectomy. Smidt N, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):717–20

Preservation of splenic function by autotransplantation of traumatized spleen in man. Patel J, et al. **Surgery** 1981 Oct; 90(4):683–8

Protection against pneumococcal sepsis in splenectomized rats by implantation of splenic tissue into an omental pouch. Patel J, et al. **Surgery** 1982 Jun;91(6):638–41

Induction of transplantation tolerance in guinea pigs by spleen allografts. I. Operative techniques and clinical results. Bitter-Suermann H, et al. **Transplantation** 1982 Jan; 33(1):45–51

[Initial clinical experiences with heterotopic autotransplantation of the spleen] Seufert RM, et al. **Chirurg** 1981 Aug;52(8):525–30 (Eng. Abstr.) **(Ger)**

[Experience with heterotopic autotransplanted splenic tissue in children (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1982 Apr;35(4):145–52 (Eng. Abstr.) **(Ger)**

[Heterotopic autotransplantation of splenic tissue after traumatic rupture of the spleen – a solution after unavoidable splenectomy? (author's transl)] Youssef S, et al. **Z Kinderchir** 1982 Mar;35(3):88–9 (Eng. Abstr.) **(Ger)**

[Immunopharmacological actions of neurotropin. (2). Effect of neurotropin on graft-versus-host reaction (author's transl)] Yanagihara Y, et al. **Nippon Yakurigaku Zasshi** 1981 Nov;78(5):451–8 (Eng. Abstr.) **(Jpn)**

[Estimation of the graft-versus-host reaction in the mouse liver by the hypertrophy of portal draining lymph nodes] Fedorov GN, et al. **Biull Eksp Biol Med** 1982 Jan; 93(1):75–7 **(Rus)**

[Humoral immune response after splenic experimental autotransplantation in the dog (author's transl)] Aznar Aznar A, et al. **An Esp Pediatr** 1981 May;14(5):337–43 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Effects of pregnancy on erythropoiesis in the splenic red pulp of the mouse: a quantitative electron microscopic study. Sasaki K, et al. **Arch Histol Jpn** 1981 Nov;44(5):429–38

Splenic alterations in hairy-cell leukemia: II. an electron microscopic study. Pilon VA, et al. **Cancer** 1982 Apr 15; 49(8):1617–23

Morphological, immunological, and biochemical analyses of chicken spleen cells transformed in vitro by reticuloendotheliosis virus strain T. Shibuya T, et al. **Cancer Res** 1982 Jul;42(7):2722–8

A scanning electron microscopic study of the boundary zone of the human spleen. Saitoh K, et al. **Cell Tissue Res** 1982; 222(3):655–65

Ultrastructure of splenic white pulp of the turtle, Mauremys caspica. Zapata A, et al. **Cell Tissue Res** 1981;220(4):845–55

Light- and electron microscopical observations on the caecilian spleen. A contribution to the evolution of lymphatic organs. Welsch U, et al. **Dev Comp Immunol** 1982 Spring;6(2):293–302

Lymphoid organs of teleost fish. III. Splenic lymphoid tissue of Rutilus rutilus and Gobio gobio. Zapata A. **Dev Comp Immunol** 1982 Winter;6(1):87–94

Scanning electron microscopic study of the red pulp of mouse spleen. Hataba Y, et al. **J Electron Microsc (Tokyo)** 1981; 30(1):46–56

Role of splenic red pulp in endotoxin-induced disseminated intravascular coagulation. Lotz MJ, et al. **Lab Invest** 1981 Nov;45(5):469–76

Splenic ultrastructural features in idiopathic thrombocytopenic purpura. Mandache E, et al. **Morphol Embryol (Bucur)** 1982 Apr-Jun;28(2):153–8

Electron microscopic observation of the red pulp of the spleen in hereditary hemolytic anemia with erythrocyte pyrimidine 5'-nucleotidase deficiency: evidence for intravascular hemolysis. Matsumoto N, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb;45(1):17–25

Ultrastructural diagnosis of histologically atypical idiopathic thrombocytopenic purpura. Rubenstein JH, et al. **Ultrastruct Pathol** 1981 Jul-Sep;2(3):269–75

Lysosomal glycogen storage mimicking the cytological picture of Pompe's disease as induced in rats by injection of an alpha-glycosidase inhibitor. II. Alterations in kidney, adrenal gland, spleen and soleus muscle. Lüillmann-Rauch R. **Virchows Arch [Cell Pathol]** 1982;39(2):187–202

[Spleen and erythrocytes] Matsumoto N, et al. **Rinsho Byori** 1981 Jun;(46 Suppl):13–22 **(Jpn)**

[Electron microscopic studies of the red pulp of the spleen in various kinds of hemolytic anemia with special reference to the mechanism of hemolysis (author's transl)] Matsumoto N. **Rinsho Ketsueki** 1981 May;22(5):585–91 (Eng. Abstr.) **(Jpn)**

[Ultrastructure of splenic immunoglobulin-bearing lymphocytes labelled with a peroxidase-antiperoxidase complex] Zak KP, et al. **Dokl Akad Nauk SSSR** 1981; 261(1):229–32 **(Rus)**

SPLEEN COLONY FORMATION see **COLONY-FORMING UNITS ASSAY**

SPLENECTOMY

Congenital dyserythropoietic anaemias: splenectomy as a mode of therapy. Choudhry VP, et al. **Acta Haematol (Basel)** 1981;66(3):195–201

Transmission and scanning electron microscopic study peripheral blood immunoblasts of a splenectomized patient. Djaldetti M. **Acta Haematol (Basel)** 1981;66(2):134–9

Serum angiotensin-converting enzyme and blood monocytes in splenectomized individuals. Nielsen JL, et al. **Acta Haematol (Basel)** 1982;67(2):132–5

Serum ferritin levels in thalassemias and the effect of splenectomy. Pootrakul P, et al. **Acta Haematol (Basel)** 1981;66(4):244–50

Effect of splenectomy on the cardiovascular response to hemorrhage in dogs with immunoreactive opsonic deficiency and reticuloendothelial blockade. Stein PM, et al. **Adv Shock Res** 1980;3:187–208

Splenectomy in Hodgkin's disease: no therapeutic benefit. Newcomer LN, et al. **Am J Clin Oncol** 1982 Aug;5(4):393–7

Primary splenic hairy cell leukemia--remission for 21 years following splenectomy. Myers TJ, et al. **Am J Hematol** 1981 Nov;11(3):299–303

Thrombotic thrombocytopenic purpura: recovery after plasmapheresis, corticosteroids, splenectomy, and antiplatelet agents. Rothberg H, et al. **Am J Hematol** 1982 May;12(3):281–7

BCL1, a murine model of prolymphocytic leukemia. I. Effect of splenectomy on growth kinetics and organ distribution. Muirhead MJ, et al. **Am J Pathol** 1981 Dec;105(3):295–305

Prognostic significance of combined splenectomy or pancreaticosplenectomy in total and proximal gastrectomy for gastric cancer. Koga S, et al. **Am J Surg** 1981 Nov; 142(5):546–50

Outcome and sepsis after splenectomy in adults. Standage BA, et al. **Am J Surg** 1982 May;143(5):545–8

The spleen and splenectomy. Wong HB. **Ann Acad Med Singapore** 1981 Oct;10(4):445–51

Splenectomy in Felty's syndrome [letter] Logue GL, et al. **Ann Intern Med** 1982 Jan;96(1):124

The importance of splenic blood flow in clearing pneumococcal organisms. Horton J, et al. **Ann Surg** 1982 Feb;195(2):172–6

Postsplenectomy splenic activity. Orda R, et al. **Ann Surg** 1981 Dec;194(6):771–4

Immune dysfunction in the presence of residual splenic tissue. Cohen RC, et al. **Arch Dis Child** 1982 Jul;57(7):523–7

Recurrence of thrombocytopenia in patients splenectomized for idiopathic thrombocytopenic purpura. Pawelski S, et al. **Blut** 1981 Dec;43(6):355–60

Immunological changes following posttraumatic splenectomy. Westerhausen M, et al. **Blut** 1981 Dec; 43(6):345–53

T-lymphocyte subsets in healthy splenectomised patients. Lauria F, et al. **Boll Ist Sieroter Milan** 1981 Nov; 60(5):417–20

Splenectomy and blackwater fever. Maharaj D, et al. **Br J Haematol** 1982 Aug;51(4):663–4

Canine osteogenic sarcoma treated by amputation and MER: an adverse effect of splenectomy on survival. Meyer JA, et al. **Cancer** 1982 Apr 15;49(8):1613–6

Visualization of residual splenic tissue: a high intensity technique. Andrus MS, et al. **Clin Nucl Med** 1981 Dec; 6(12):577–8

Splenectomy for hairy cell leukaemia. Ingoldby CJ, et al. **Clin Oncol** 1981 Dec;7(4):325–31

Protection against pneumococcal sepsis in splenectomized rats by implantation of splenic tissue into an omental pouch. Patel J, et al. **Curr Surg** 1981 Sep-Oct;38(5):323–5

Improvement of the splenectomized rat model for overwhelming pneumococcal infection. Standardization of the bacterial inocula. Alwmark A, et al. **Eur Surg Res** 1981; 13(5):339–43

Megakaryocytopoiesis in irradiated, splenectomized mice. Ebbe S, et al. **Exp Hematol** 1981 Nov;9(10):1020–7

Hematopoietic response of splenectomized C3HeB/FeJ and C3H/HeJ mice to lipopolysaccharide. MacVittie TJ, et al. **Exp Hematol** 1981 Oct;9(9):950–5

Hemopoiesis in the splenectomized-pregnant mouse following low-dose total-body irradiation. Weinberg SR, et al. **Exp Hematol** 1981 Sep;9(8):849–55

The effect of splenectomy on the appearance of specific antibody-forming cells in lungs of dogs after intravenous immunization with sheep erythrocytes. Kaltreider HB, et al. **Exp Lung Res** 1981 Aug;2(3):231–8

Qualitative platelet defects in three cases previously classified as idiopathic thrombocytopenic purpura and treated with splenectomy. Grignani G, et al. **Haematologica (Pavia)** 1982 Apr;67(2):246–54

Chronic, patent Plasmodium berghei malaria in splenectomized mice. Eling WM. **Infect Immun** 1982 Mar; 35(3):880–6

A comparison of Babesia infections in intact, surgically splenectomised, and congenitally asplenic (Dh/+) mice. Irvin AD, et al. **Int J Parasitol** 1981 Jun;11(3):251–5

Splenectomy: indications and complications. Bell W, et al. **Int Surg** 1982 Jan-Mar;67(1):29–36

Splenectomy in early chronic myeloid leukemia. Castrini G, et al. **Int Surg** 1979 Nov-Dec;64(6):21–6

Immunologic studies before and after splenectomy in a patient with the Wiskott-Aldrich syndrome. Knutsen AP, et al. **J Clin Immunol** 1981 Jan;1(1):13–9

Suppressor T cell activity in splenectomized subjects. Melamed I, et al. **J Clin Lab Immunol** 1982 Apr;7(3):173–7

Altered expression of Plasmodium knowlesi variant antigen on the erythrocyte membrane in splenectomized rhesus monkeys. Barnwell JW, et al. **J Immunol** 1982 Jan; 128(1):224–6

Heart and spleen twin grafts in rats. II. Delayed host splenectomy. Tauber JW, et al. **J Microsurg** 1981 Jun; 2(4):261–8

Chelation therapy in beta-thalassemia major. III. The role of splenectomy in achieving iron balance. Graziano JH, et al. **J Pediatr** 1981 Nov;99(5):695–9

The effect of partial splenectomy on experimental pneumococcal bacteremia in an animal model. Okinaga K, et al. **J Pediatr Surg** 1981 Oct;16(5):717–24

Attempts to bypass the need for splenectomy in splenic injury. DeRisi D, et al. **J Surg Oncol** 1982 Feb;19(2):74–6

Partial splenectomy and overwhelming infection in rats. Bradshaw PH, et al. **J Surg Res** 1982 Feb;32(2):173–5

Regeneration of splenic remnants after partial splenectomy in rats. Bradshaw PH, et al. **J Surg Res** 1982 Feb; 32(2):176–81

Antibody responses after splenectomy and splenic autoimplantation in rats. Church JA, et al. **J Surg Res** 1981 Oct;31(4):343–6

Neutrophil function in adults after traumatic splenectomy. Deitch EA, et al. **J Surg Res** 1982 Aug;33(2):98–102

The management of splenic injury. Hebeler RF, et al. **J Trauma** 1982 Jun;22(6):492–5

The analysis of factors influencing IgE level in the course of malignant lymphogranulomatosis with particular reference to the effects of splenectomy. Snigurowicz J, et al. **Mater Med Pol** 1981 Jul-Sep;13(3):171–7

Phagocytic activity of the reticulohistiocyte system in rabbits after splenectomy and activation with ink. Vömel T, et al. **Mech Ageing Dev** 1981 Nov;17(3):267–73

Splenectomy and allergic states [letter] Clarke P. **Med J Aust** 1982 May 1;1(9):368

Silicone-induced splenomegaly: treatment of pancytopenia by splenectomy in a patient on hemodialysis. Bommer J, et al. **N Engl J Med** 1981 Oct 29;305(18):1077–9

Splenectomy in chronic myeloid leukemia in Japan. Fukuda M, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb; 44(1):67–77

Overwhelming post-splenectomy infection with group B Streptococcus. Finnegan OC, et al. **Postgrad Med J** 1981 Mar;57(665):202–3

Primary thrombocythaemia following splenectomy. O'Donnell JR, et al. **Postgrad Med J** 1981 Aug; 57(670):532–3

Splenectomy in agnogenic myeloid metaplasia: factors of possible prognostic significance. Penchas S, et al. **Postgrad Med J** 1982 Apr;58(678):212–5

Babesia divergens: the immunisation of splenectomised calves during irradiated piroplasms. Lewis D, et al. **Res Vet Sci** 1979 Mar;26(2):220–2

Chronic idiopathic thrombocytopenic purpura (ITP): site of platelet sequestration and results of splenectomy. A study of 197 patients. Gugliotta L, et al. **Scand J Haematol** 1981 May;26(5):407–12

Monocyte cytotoxicity after splenectomy. Kragballe K, et al. **Scand J Haematol** 1981 Oct;27(4):271–8

Influence of residual splenic tissue on autoantibodies in splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1982 Apr;28(4):273–7

Detection of splenosis and ectopic spleens with 99mTc-labelled heat damaged autologous erythrocytes in 90 splenectomized patients. Nielsen JL, et al.

Scand J Haematol 1981 Jul;27(1):51–6

Pneumococcal meningitis with a prolonged course in splenectomized patient. Morfeldt-Månson L, et al. **Scand J Infect Dis** 1981;13(2):153–4

Overwhelming group B streptococcal sepsis after splenectomy in an adult. Miller JD. **South Med J** 1982 Jan; 75(1):76

Splenic trauma: splenectomy or splenorrhaphy? Tsai JT, et al. **South Med J** 1982 May;75(5):616–7

Splenectomy for agnogenic myeloid metaplasia. Coon WW, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):561–3

Effect of steroids on the outcome of penicillin treatment in pneumococcal sepsis in splenectomized rats. Gullstrand P, et al. **Surgery** 1982 Feb;91(2):222–5

Accessory splenectomy for idiopathic thrombocytopenic purpura. Wallace D, et al. **Surgery** 1982 Feb;91(2):134–6

Ultrastructural changes of the hypertrophic epithelial cells in the thymus of splenectomized chickens. Rusu VM, et al. **Thymus** 1981 Nov;3(4–5):213–22

Influence of splenectomy upon immunologic reactivity of patients with Hodgkin's disease. Rogan-Grgas J, et al. **Tumori** 1981 Dec 31;67(6):539–47

Splenopexy in a case of wandering spleen. van der Staak F, et al. **Z Kinderchir** 1981 Jan;32(1):94–8

[Splenectomy and gastroesophageal devascularization in the treatment of portal hypertension: report of 123 cases (author's transl)] Lu EC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):522–5 (Eng. Abstr.) **(Chi)**

[Clinical observation on the treatment of portal hypertension by meso-caval shunt, splenectomy plus disconnection of porto-azygos vein (author's transl)] Zheng YJ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):528–9 (Eng. Abstr.) **(Chi)**

[Less usual haematological indications for splenectomy (author's transl)] Friedmann B, et al. **Cas Lek Cesk** 1981 Oct 15;120(41):1235–9 (Eng. Abstr.) **(Cze)**

[Are thrombopenias of cirrhotics an indication of splenectomy? (author's transl)] Boivin P. **Acta Gastroenterol Belg** 1981 Mar-Apr;44(3–4):203–11 (Eng. Abstr.) **(Fre)**

[Splenectomy in cirrhosis with hypersplenism. Retrospective study] Levy VG, et al. **Med Chir Dig** 1981;10(5):413–8 (Eng. Abstr.) **(Fre)**

[Anemia caused by congenital dyserythropoiesis: type II (Hempas). Value of splenectomy (letter)] Sondag D, et al. **Nouv Presse Med** 1982 Jul 10–17;11(32):2419 **(Fre)**

[Treatment of idiopathic thrombopenic purpura. Results obtained in a series of 219 cases] Goudemand J, et al. **Nouv Rev Fr Hematol** 1982;24(2):59–68 (Eng. Abstr.) **(Fre)**

[Disappearance, after splenectomy, of a monoclonal peak of anti-lecithin activity in splenic lymphosarcoma] Detolle P, et al. **Rev Med Interne** 1981;2(4):371–7 (Eng. Abstr.) **(Fre)**

[Initial clinical experiences with heterotopic autotransplantation of the spleen] Seufert RM, et al. **Chirurg** 1981 Aug;52(8):525–30 (Eng. Abstr.) **(Ger)**

[Pylethrombosis following splenectomy (author's transl)] Aufschnaiter M, et al. **MMW** 1981 Oct 2;123(40):1503–5 (Eng. Abstr.) **(Ger)**

[Rheology of erythrocytes and splenectomy in congenital hemolytic anemias (author's transl)] Tillmann W, et al. **Monatsschr Kinderheilkd** 1982 May;130(5):254–66 (Eng. Abstr.) **(Ger)**

[Animal experiments concerning the autoimplantation of splenic tissue (author's transl)] Böhles H, et al. **Z Kinderchir** 1981 Sep;34(1):61–6 (Eng. Abstr.) **(Ger)**

[Experience with heterotopic autotransplanted splenic tissue in children (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1982 Apr;35(4):145–52 (Eng. Abstr.) **(Ger)**

[Transfusion of vinblastine-treated thrombocytes in the preparation of patients for splenectomy in immunothrombocytolytic purpura] Berkessy S, et al. **Orv Hetil** 1981 Jul 19;122(29):1773–5 **(Hun)**

[Splenectomy in children. Long-term follow-up] Galgano E, et al. **Chir Ital** 1981 Jun;33(3):734–40 **(Ita)**

[The current role of laparosplenectomy in the treatment of Hodgkin's disease] Sacco R, et al. **Chir Patol Sper** 1980 Jun;28(3):202–7 (Eng. Abstr.) **(Ita)**

[High abdominal ovariopexy in laparosplenectomy. New technical measures in anticipation of subsequent irradiation] Gaetini A, et al. **Minerva Chir** 1981 Aug 15–31; 36(15–16):1005–10 (Eng. Abstr.) **(Ita)**

[Splenectomy in idiopathic thrombopenic purpura and in myelofibrosis. A retrospective study of platelet increase, hemorrhagic complications and mortality] Hellström P, et al. **Minerva Chir** 1981 Sep 15;36(17):1065–8 (Eng. Abstr.) **(Ita)**

[Clinicopathological study on the significance of combined pancreatosplenectomy for gastric carcinoma -Especially, gross indication on the base of oncological features (author's transl)] Aikou T. **Igaku Kenkyu** 1980 Oct; 50(7):533–50 (Eng. Abstr.) **(Jpn)**

[Gastrectomy combined with splenectomy and immunotherapy for advanced gastric cancer patients (author's transl)] Miwa H, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1365–70 (Eng. Abstr.) **(Jpn)**

[Evaluation of complications in patients after splenectomy (author's transl)] Tabuse K, et al. **Nippon Geka Hokan** 1980 Nov 1;49(6):893–9 **(Jpn)**

[Diagnosis of idiopathic thrombocytopenic purpura following by autoimmune hemolytic anemia after splenectomy and eventual development of systemic lupus erythematosus] Nozu T, et al. **Nippon Rinsho** 1981 Oct;39(10):3349–55 **(Jpn)**

[Evaluation of the results of splenectomy in 19 cases of ITP -- factors influencing the results (author's transl)] Harada K, et al. **Rinsho Ketsueki** 1981 May;22(5):617–23 (Eng. Abstr.) **(Jpn)**

[A case of pure red cell aplasia of which remission was obtained by splenectomy alone (author's transl)] Sawada K, et al. **Rinsho Ketsueki** 1981 Dec;22(12):1955–61 (Eng. Abstr.) **(Jpn)**

[Effect of splenectomy on blood serum thrombopoietic activity (ATS) in patients with hematopoietic diseases] Sylwestrowicz T, et al. **Acta Haematol Pol** 1981 Jan-Mar; 12(1):29–36 (Eng. Abstr.) **(Pol)**

[Role of the spleen in the physiology and pathology of the thrombopoietic system and the effect of splenectomy on thrombocytokinetics] Sylwestrowicz T. **Acta Haematol Pol** 1981 Jan-Mar;12(1):47–51 (37 ref.) **(Pol)**

[DNA synthesis in PHA-stimulated lymphocyte cultures from Hodgkin's disease patients and their changes following splenectomy and the effect of chemotherapy treatment using the MOPP scheme] Cadel Z. **Nowotwory** 1981 Jul-Dec;31(3–4):191–8 (Eng. Abstr.) **(Pol)**

[Laparotomy and splenectomy in children with Hodgkin's disease] Karnicka-Młodkowska H, et al. **Pediatr Pol** 1981 Nov-Dec;56(11–12):1317–22 (Eng. Abstr.) **(Pol)**

[The surgeon's attitude toward cases of splenic rupture in children] Sawicz-Birkowska K, et al. **Wiad Lek** 1982 May 15;35(5):329–33 **(Pol)**

[Effect of radiochemotherapy and splenectomy on lymphoid subclasses in patients with Hodgkin's lymphoma in complete remission] Leoni P, et al. **G Clin Med** 1981 Oct; 62(10):685–92 (Eng. Abstr.) **(Rum)**

[Peripheral blood in portal hypertension before and after splenectomy] Demidova AV, et al. **Klin Med (Mosk)** 1981; 59(7):25–9 **(Rus)**

[Indices of antistress activity of an Eleutherococcus extracts in lymphogranulomatosis after splenectomy] Tseĭtlin GIa, et al. **Pediatriia** 1981 May;(5):25–7 (Eng. Abstr.) **(Rus)**

[Removal of the spleen in hypoplastic anemia] Demidiuk PF, et al. **Probl Gematol Pereliv Krovi** 1982 Feb;27(2):18–21 (Eng. Abstr.) **(Rus)**

[Prolonged follow-up of a patient with Werlhof's disease after splenectomy] Sherman SI. **Sov Med** 1981;(9):115–6 **(Rus)**

[Present-day concept of splenectomy in chronic myeloleukemia (review of the literature)] Zakharenko NA. **Sov Med** 1981;(7):66–70 (45 ref.) **(Rus)**

[Changes in the concentration of 2,3-diphosphoglycerate in erythrocytes of patients with hemolytic anemia after surgery and general anesthesia] Butrov AV. **Ter Arkh** 1981; 53(9):106–9 (Eng. Abstr.) **(Rus)**

[Treatment of a severe form of aplastic anemia with androgens, immunosuppressive agents, bone marrow allotransplantation and splenectomy] Krstić C, et al. **Vojnosanit Pregl** 1982 Jan-Feb;39(1):45–8 **(Scr)**

[Chronic idiopathic thrombocytopenic purpura. Analysis of the current therapeutic resources] González de Mondini N, et al. **Medicina (B Aires)** 1981;41 Suppl:262–6 (Eng. Abstr.) **(Spa)**

[Chronic thrombocytopenic purpura] Vivanco G, et al. **Rev Chil Pediatr** 1981 Sep-Oct;52(5):414–23 (Eng. Abstr.) **(Spa)**

[Occurrence of serious post-splenectomy infection in adults splenectomized for hereditary spherocytosis (author's transl)] Gómez-Almaguer D, et al. **Rev Invest Clin** 1981 Jul-Sep;33(3):329–31 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Splenectomy after blunt abdominal trauma. A retrospective study of 413 children. Wählby L, et al. **Acta Chir Scand** 1981;147(2):131–5

Postsplenectomy gastric deformity. Ansel HJ, et al. **AJR** 1982 Jul;139(1):99–101

Quartan malaria following splenectomy 36 years after infection. Tsuchida H, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):163–5

Disseminated histoplasmosis and asplenia [letter] Rose FB, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):790

The risk of sepsis in the asplenic adult. O'Neal BJ, et al. **Ann Surg** 1981 Dec;194(6):775–8

Immunologic consequences of splenectomy. Rosselló PJ. **Bol Asoc Med PR** 1981 Apr;73(4):173–7

Thrombotic risks of staging laparotomy with splenectomy in Hodgkin's disease. Dawson AA, et al. **Br J Surg** 1981 Dec;68(12):842–5

Prevention of death of postsplenectomy sepsis with levamisole and penicillin. Dajee H, et al. **Curr Surg** 1982 May-Jun;39(3):167–70

Rationale and methods of splenic preservation. Sherman R. **J Fla Med Assoc** 1981 Nov;68(11):887–9

Postsplenectomy sepsis in an adult following antipneumococcal immunization. Trooskin SZ, et al. **J Med Soc NJ** 1982 Mar;79(3):221–3

Adverse effect of splenectomy on growth and survival with murine lymphosarcoma. Mollitt DL, et al. **J Pediatr Surg** 1982 Jun;17(3):273–6

Overwhelming pneumococcal infection in rats immediately after splenectomy. Gullstrand P, et al. **J Surg Res** 1982 Sep;33(3):220–4

Post-splenectomy sepsis in traumatized adults [editorial] Condon RE. **J Trauma** 1982 Feb;22(2):169–70

The effect of splenectomy on gram-negative bacteremia. Scher KS, et al. **J Trauma** 1982 May;22(5):407–9

Splenic trauma, splenosis, and death from sepsis [letter] Oakes DD, et al. **JAMA** 1982 Mar 12;247(10):1404–5

Severe cytomegalovirus infection in multiply transfused, splenectomized, trauma patients. Baumgartner JD, et al. **Lancet** 1982 Jul 10;2(8289):63–6

Postsplenectomy infections [letter] Wegelius R. **Lancet** 1982 Jun 19;1(8286):1420–1

Problems related to treatment of beta-thalassaemia major. Economidou J. **Paediatrician** 1982;11(3–4):157–77 (52 ref.)

Malign effects of splenectomy--the place of conservative treatment. Werbin N, et al. **Postgrad Med J** 1982 Feb; 58(676):65–9 (55 ref.)

Postsplenectomy sepsis from an unperforated appendix [letter] Pastorek JG. **South Med J** 1982 Jun;75(6):775

Protection against pneumococcal sepsis in splenectomized rats by implantation of splenic tissue into an omental pouch. Patel J, et al. **Surgery** 1982 Jun;91(6):638–41

Postsplenectomy sepsis [letter] Rice L. **Tex Med** 1981 Nov; 77(11):8

Complications after elective splenectomy in children. Wählby L. **Z Kinderchir** 1981 Sep;34(1):56–60

[Postsplenectomy hemorrhage from ruptured esophagus varices in late schistosomiasis: analysis of 314 cases (author's transl)] Huang FJ. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):172–3 **(Chi)**

[Septic shock after splenectomy] Ledeč J, et al. **Vnitr Lek** 1982 Jul;28(7):685–9 **(Cze)**

[A rare early complication of post-traumatic splenectomy. Rupture of the gastric fundus (author's transl)] Apprill G. **J Chir (Paris)** 1982 Feb;119(2):121–2 (Eng. Abstr.) **(Fre)**

[Fatal meningitis in a patient cured of Hodgkin's disease (letter)] Corberaud J, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3162–3 **(Fre)**

[Infections after splenectomy] Freycon F, et al. **Pediatrie** 1981 Sep;36(6):489–93 (29 ref.) **(Fre)**

[Fulminant pneumococcal septicemia in splenectomized patients] Francioli P, et al. **Schweiz Med Wochenschr** 1981 Dec 19;111(51):2014–6 (Eng. Abstr.) **(Fre)**

[Fulminant infection in a splenectomized patient with Hodgkin disease. Fatal pneumococcal meningitis in a cured patient seven years after splenectomy] Corberand J, et al. **Sem Hop Paris** 1982 May 27;58(21):1325–8 (Eng. Abstr.) **(Fre)**

[Post-splenectomy infections and Pneumococcus vaccination in paediatric surgery (author's transl)] Belohradsky BH, et al. **Z Kinderchir** 1982 Apr;35(4):140–4 (Eng. Abstr.) **(Ger)**

[Complications of splenectomy in childhood (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1982 Apr;35(4):130–9 (72 ref.) (Eng. Abstr.) **(Ger)**

[Post-splenectomy infections. Review and case report] Wybitul K, et al. **ZFA (Stuttgart)** 1982 Jun 10;58(16):912–6 (63 ref.) **(Ger)**

[Infections after splenectomy] Robak T, et al. **Pol Tyg Lek** 1981 Aug 31;36(35):1357–9 (38 ref.) **(Pol)**

INSTRUMENTATION

[Experimental partial splenectomy with automatic staplers (author's transl)] Nguyen H, et al. **J Chir (Paris)** 1982 May; 119(5):335–40 **(Fre)**

METHODS

Elective splenectomy - a comparison of management in children and adults. Alwmark A, et al. **Ann Chir Gynaecol** 1982;71(2):108–11

Segmental splenectomy in schistosomiasis. Kamel R, et al. **Br J Surg** 1982 Jun;69(6):311–3

Ischaemia and partial resection for control of splenic hyperfunction. Witte CL, et al. **Br J Surg** 1982 Sep; 69(9):531–5

Removal of splenic cyst with salvage of functional splenic tissue. Sink JD, et al. **J Pediatr** 1982 Mar;100(3):412–4

Hemisplenectomy using a hand-held CO2 laser. An experimental study. Orda R, et al. **J Pediatr Surg** 1982 Apr; 17(2):163–5

Partial splenectomy with CO2 laser: an experimental study. Snider WR, et al. **Lasers Surg Med** 1981;1(4):357–60

Microwave tissue coagulation in partial splenectomy for non-parasitic splenic cyst. Tabuse K, et al. **Nippon Geka Hokan** 1981 Sep 1;50(5):711–7

Ultrasonic partial splenectomy. Hodgson WJ, et al. **Surgery** 1982 Mar;91(3):346–8

The effect of partial splenectomy on platelet production in mice. Bessler H, et al. **Thromb Haemost** 1981 Oct; 46(3):602–3

[Segmental resection of the spleen and glueing with human fibrinogen - an alternative to splenectomy and autotransplantation (author's transl)] Roth H, et al. **Z Kinderchir** 1982 Apr;35(4):153–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Effect of splenectomy and dexamethasone administration on cattle experimentally infected with Babesia ovata. Fujinaga T. **Nippon Juigaku Zasshi** 1982 Feb;44(1):71–80

SPLENIC ARTERY

Gastrointestinal bleeding caused by haemosuccus pancreaticus. A presentation of two cases. Börjesson B, et al. **Acta Chir Scand** 1981;147(4):299–301

Partial splenic embolization for hypersplenism in renal transplantation. Gerlock AJ Jr, et al. **AJR** 1982 Mar; 138(3):451–6

Mesenteric vascular problems. A 26-year experience. Rogers DM, et al. **Ann Surg** 1982 May;195(5):554–65

A case of aneurysm of the splenic artery visualized by dynamic ultrasonography. Bolondi L, et al. **Br J Radiol** 1981 Dec;54(648):1109–11

Unusual presentation of giant splenic artery aneurysm. Glover SG, et al. **Br J Surg** 1982 May;69(5):247

Epigastric mass in an asymptomatic adult. Tishler JM, et al. **Invest Radiol** 1981 Jul–Aug;16(4):256–9

Treatment of splenic artery aneurysm after distal splenorenal shunt. A case report. Gonzalez EM, et al. **Jpn J Surg** 1981; 11(5):377–80

Distal pancreatectomy for spontaneous rupture of the splenic artery. Porter JM, et al. **Postgrad Med J** 1981 Oct; 57(672):671–3

Experimental transcatheter splenectomy using absolute ethanol. Mineau DE, et al. **Radiology** 1982 Feb;142(2):355–9

Partial splenic embolization using polyvinyl alcohol foam, dextran, polystyrene, or silicone. An experimental study in dogs. Wright KC, et al. **Radiology** 1982 Feb;142(2):351–4

Splenic artery aneurysms. Trastek VF, et al. **Surgery** 1982 Jun;91(6):694–9

[Arteriovenous fistulas of the portal area] Puglionisi A, et al. **Minerva Cardioangiol** 1981 Jun;29(6):301–24 (171 ref.) (Eng. Abstr.) **(Ita)**

[Embolization of the splenic artery for treatment of acute 'cor pulmonale' following selective portal decompression in patients with hepatosplenic schistosomiasis and pulmonary hypertension] Abrantes WL, et al. **AMB** 1981 Mar;27(3):110 **(Por)**

[Arteriovenous aneurysm of the abdominal cavity following a blind shrapnel wound in World War II] Shchul'tsev GP, et al. **Klin Med (Mosk)** 1982 Apr;60(4):94–5 **(Rus)**

ABNORMALITIES

[A rare anomalous case of the splenic artery (author's transl)] Hayashi K, et al. **Kaibogaku Zasshi** 1981 Dec;56(6):481–3 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Characteristics of the dopamine receptors in the rabbit isolate splenic artery. Hilditch A, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):287–96

RADIOGRAPHY

Malignant occlusion of the coeliac axis. Jonsson K, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):123–5

Embolization of bleeding transverse pancreatic artery aneurysms. Knight RW, et al. **Cardiovasc Intervent Radiol** 1982;5(1):37–9

Nonparasitic cysts of the spleen: report of 2 cases. Blomme G, et al. **J Belge Radiol** 1981;64(2):199–203

[Arteriovenous fistula of the spleen revealed by ascites and profuse diarrhea. A case report including ultrasonography and arteriography findings (author's transl)] Wenger JJ, et al. **J Radiol** 1981 May;62(5):321–5 (Eng. Abstr.) **(Fre)**

SURGERY

Alternative surgery in renal transplantation: spleno–renal anastomosis. Talbot–Wright R, et al. **Eur Urol** 1982; 8(2):127–8

Complications of splenic artery aneurysm other than intraperitoneal rupture. de Vries JE, et al. **Surgery** 1982 Feb;91(2):200–4

[Treatment of hematologic disorders in children by splenic artery ligation (author's transl)] Harouchi A, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):109–13 (Eng. Abstr.) **(Fre)**

[Apropos of a case of splenic artery aneurysm] Fattori A, et al. **Minerva Med** 1982 May 12;73(20):1371–4 **(Ita)**

[Splenic artery ligation for spleen injuries] Solheim K. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19–21):1133–4 (Eng. Abstr.) **(Nor)**

[Effect of splenic artery ligation on hepatoportal hemodynamics in liver cirrhosis with portal hypertension] Dalimov KS, et al. **Klin Khir** 1981 Sep;(9):63–4 **(Rus)**

TRANSPLANTATION

Acute bilateral renal artery occlusion. Revascularization with the splenic artery. Johansen K, et al. **Arch Surg** 1981 Sep; 116(9):1232–5

SPLENIC DISEASES

COMPLICATIONS

Lymphatic obstruction: a possible explanation for left-sided pleural effusions associated with splenic hematomas [letter] Leung FW, et al. **AJR** 1982 Jan;138(1):182

Multiple splenic aspergillomas in a patient with acute lymphoblastic leukemia. Kulkarni R, et al. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):141–5

Evans' syndrome with splenic periarterial fibrosis but no serologic evidence of systemic lupus erythematosus. Kabbash LG, et al. **Can Med Assoc J** 1981 Dec 1; 125(11):1253–4

Splenic torsion in an infant associated with secondary disseminated Hemophilus influenzae infection. Kelly KJ, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):365–6

Evaluation of portal hypertension in cases of hepatosplenic schistosomiasis using ultrasound. Abdel-Latif Z, et al. **JCU** 1981 Oct;9(8):409–12

Splenic involvement in tuberous sclerosis. Report of three cases. Bender BL, et al. **Virchows Arch [Pathol Anat]** 1981; 391(3):363–9

[A case of splenic cyst accompanied with hypersplenism] Terada H, et al. **Rinsho Ketsueki** 1982 Jan;23(1):83–90 (Eng. Abstr.) **(Jpn)**

[Combined splenic pseudocyst and pancreatic cyst] Batvinkov NI, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):102 **(Rus)**

CONGENITAL

Congenital epithelial splenic cysts in children. Emphasis on sonographic appearances and some unusual features. Daneman A, et al. **Pediatr Radiol** 1982;12(3):119–25

DIAGNOSIS

Sonography of splenic abscess. Pawar S, et al. **AJR** 1982 Feb;138(2):259–62

Sonography of pyogenic splenic abscess. Ralls PW, et al. **AJR** 1982 Mar;138(3):523–5

Mesothelial cysts of the spleen with squamous metaplasia. Ough YD, et al. **Am J Clin Pathol** 1981 Nov;76(5):666–9

Splenic abscess–clinical symptoms and diagnostic possibilities. Freund R, et al. **Am J Gastroenterol** 1982 Jan; 77(1):35–8

Pancreatitis–associated fluid collections involving the spleen: sonographic and computed tomographic appearance. Vick CW, et al. **Gastrointest Radiol** 1981;6(3):247–50

Splenic cysts: (report of 2 cases and review of the literature). Desai MB, et al. **J Postgrad Med** 1981 Oct;27(4):251–2

Ultrasonic examination of the abdomen in malignant disease. John C. **Radiography** 1981 Aug;47(560):178–86

Candidiasis of the liver and spleen in childhood. Miller JH, et al. **Radiology** 1982 Feb;142(2):375–80

Ultrasonic characterization of abdominal tissues via digital analysis of backscattered waveforms. Sommer FG, et al. **Radiology** 1981 Dec;141(3):811–7

Unusual splenic lesions in two immunosuppressed patients. Larrieu AJ, et al. **South Med J** 1981 Dec;74(12):1538–40

Splenic abscess—presentation, diagnosis, and treatment. Sarr MG, et al. **Surgery** 1982 Sep;92(3):480–5

[Splenic cysts in children] Macek M, et al. **Rozhl Chir** 1981 Oct;60(10):665–9 (Eng. Abstr.) **(Cze)**

[Angiitis and granulomatosis similar to Wegener's disease (author's transl)] Jirková A, et al. **Sb Lek** 1981 Oct; 83(10):286–9 (Eng. Abstr.) **(Cze)**

[A patient with a non-parasitic splenic cyst] Gerritsen JJ, et al. **Ned Tijdschr Geneeskd** 1981 Aug 25;125(35):1421–4 (Eng. Abstr.) **(Dut)**

[Splenic angiography (author's transl)] Brion JP, et al. **Acta Gastroenterol Belg** 1981 Mar–Apr;44(3–4):195–202 (Eng. Abstr.) **(Fre)**

[Splenic abscess. 3 cases (author's transl)] Delaitre B, et al. **J Chir (Paris)** 1982 Apr;119(4):237–40 (Eng. Abstr.) **(Fre)**

[Differential diagnosis at the bedside – isolated splenomegaly] Kuntz HD. **MMW** 1981 Sep 4;123(36):46 **(Ger)**

[Splenic abscess] Gnesin Y, et al. **Harefuah** 1982 Jan 15; 102(2):55–6 (Eng. Abstr.) **(Heb)**

[Non-parasitic splenic cyst in childhood] Pásztor J, et al. **Orv Hetil** 1981 Oct 11;122(41):2553–4 **(Hun)**

[A case of nodular perisplenitis. Considerations on laparoscopic diagnosis] Casirola G, et al. **Minerva Med** 1982 Mar 17;73(11):593–6 (Eng. Abstr.) **(Ita)**

[Echotomographic findings in a case of hemorrhagic pseudocyst of the spleen] Preziosi P, et al. **Minerva Med** 1982 May 26;73(22):1547–52 (Eng. Abstr.) **(Ita)**

[Two cases of calcifying splenic cyst (author's transl)] Yagi M, et al. **Nippon Geka Hokan** 1981 Jul 1;50(4):619–25 (Eng. Abstr.) **(Jpn)**

[Splenic cysts] Thorvaldson J, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1641–3 (Eng. Abstr.) **(Nor)**

[Torsion of the spleen] Gadziev DN. **Vestn Khir** 1981 Sep; 127(9):73–4 **(Rus)**

[Hydatid cyst of the spleen. Study of 7 cases] Gil Grande R, et al. **Rev Clin Esp** 1981 Oct 15;163(1):41–2 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Intraabdominal variceal bleeding. Fawaz KA, et al. **Am J Gastroenterol** 1982 Aug;77(8):578–9

Intrasplenic abscess: two case reports and review of the literature. Gangahar DM, et al. **Am Surg** 1981 Nov; 47(11):488–91

Pseudocysts of the pancreas involving the spleen. Slater G, et al. **Am Surg** 1982 Jul;48(7):324–5

Acute splenic sequestration and hypersplenism in the first five years in homozygous sickle cell disease. Topley JM, et al. **Arch Dis Child** 1981 Oct;56(10):765–9

Severe complications following partial splenic embolization [letter] Spigos D. **Br J Radiol** 1982 Apr;55(652):320

Functional asplenia in hemoglobin SE disease. Englestad BL. **Clin Nucl Med** 1982 Mar;7(3):100–2

Unusual cause of posterior splenic defect. Siddiqui AR, et al. **Clin Nucl Med** 1981 Sep;6(9):426

Fatal splenic rupture associated with histiocytic medullary reticulosis. Wakem CJ. **Conn Med** 1982 May;46(5):251–3

Intrasplenic pseudocyst of the pancreas. Okuda K, et al. **J Clin Gastroenterol** 1981 Mar;3(1):37–41

Spontaneous subcapsular splenic hematoma as the only clinical manifestation of infectious mononucleosis. Patel JM, et al. **JAMA** 1982 Jun 18;247(23):3243–4

Further experience of hyposplenism in inflammatory bowel disease. Palmer KR, et al. **Q J Med** 1981 Autumn; 50(200):463–71

Splenic torsion in the polysplenia syndrome. Ackerman NB Jr, et al. **South Med J** 1982 Jul;75(7):897–8

[Sickle cell anemia and functional asplenia (author's transl)] Beauvais P. **Arch Fr Pediatr** 1982 Mar;39(3):141–4 (Eng. Abstr.) **(Fre)**

[Splenic abscess caused by Ristella fragilis : a case report of a 2 years-old boy (author's transl)] Galifer RB, et al. **Chir Pediatr** 1981;22(6):416–8 (Eng. Abstr.) **(Fre)**

[A case of intrasplenic pancreatic pseudocyst complicating chronic pancreatitis (author's transl)] Taguchi T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):117–20 **(Jpn)**

MICROBIOLOGY

Splenic abscess caused by Propionibacterium acnes. Gekowski KM, et al. **Yale J Biol Med** 1982 Jan–Feb; 55(1):65–9

PATHOLOGY

Functional hyposplenism, a diagnostic clue in amyloidosis. Report of six cases. Boyko WJ, et al. **Am J Clin Pathol** 1982 Jun;77(6):745–8

Peliosis of the spleen. Report of a case and review of the literature. Warfel KA, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):99–100 (9 ref.)

Peliosis of the spleen with rupture. Garcia RL, et al. **Hum Pathol** 1982 Feb;13(2):177–9

Pancreaticosplenic cyst. Pal AK, et al. **J Indian Med Assoc** 1981 Dec 1;77(11):177–8

A wandering cystic spleen. Spencer GR. **J R Coll Surg Edinb** 1982 May;27(3):183–5

Hydatid cyst of spleen. Shabbir G, et al. **JPMA** 1982 Apr; 32(4):108–9

Cysts and nonlymphomatous tumors of the spleen. Garvin DF, et al. **Pathol Annu** 1981;16 Pt 1:61–80

Stochastic frequency–domain tissue characterization: application to human spleens 'in vivo'. Sommer FG, et al. **Ultrasonics** 1982 Mar;20(2):82–6

[Non-parasitic cysts of the spleen: report on two cases and ultrastructural findings in one of them (author's transl)] Chasle J, et al. **J Chir (Paris)** 1981 Nov;118(11):655–61 (Eng. Abstr.) **(Fre)**

[Abscess of the spleen] Karasev NE. **Khirurgiia (Mosk)** 1982 Apr;(4):112 **(Rus)**

PHYSIOPATHOLOGY

Thyroid function and chronic hepatosplenic schistosomiasis: peripheral conversion of thyroxine to 3,5,3'-triiodothyronine and pituitary–thyroid relationship. Medeiros-Neto GA, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):403–7

[The spleen and the bone marrow] Christensen BE, et al. **Ugeskr Laeger** 1981 Jul 6;143(28):1778–80 **(Dan)**

RADIOGRAPHY

Secondary calcified splenic cyst. Report of a case. Sandermann J. **Acta Chir Scand** 1981;147(8):725–7

Computed tomography of the liver and spleen with intravenous lipoid contrast material: review of 60 examinations. Vermess M, et al. **AJR** 1982 Jun; 138(6):1063–71

Percutaneous aspiration of an occult splenic and perisplenic hematoma with computed tomography. Dondelinger R, et al. **Eur J Radiol** 1981 Nov;1(4):332–4

The case of the splenic hematoma. Seaman WB. **Hosp Pract** 1981 Nov;16(11):57, 63

Nonparasitic cysts of the spleen: report of 2 cases. Blomme G, et al. **J Belge Radiol** 1981;64(2):199–203

Role of abdominal computed tomography in evaluating left upper quadrant masses. Amis ES Jr, et al. **Postgrad Med** 1982 Jul;72(1):131–6

[Arteriovenous fistula of the spleen revealed by ascites and profuse diarrhea. A case report including ultrasonography and arteriography findings (author's transl)] Wenger JJ, et al. **J Radiol** 1981 May;62(5):321–5 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Sequential liver–spleen scanning for documentation of wandering spleen. Barnett SM, et al. **Clin Nucl Med** 1981 Nov;6(11):528–31

Radiocolloid studies of the regression of intrasplenic lesions. Spencer RP, et al. **Clin Nucl Med** 1982 Jul;7(7):311–4

Discordant 99mTc sulfur colloid and 67Ga–citrate scintigrams in Aspergillus splenic abscesses. Shih WJ, et

al. **Eur J Nucl Med** 1982;7(6):272–4
[Scintigraphy of splenic abscess (author's transl)] Takashima S, et al. **Rinsho Hoshasen** 1981 Mar;26(3):433–4 **(Jpn)**

SURGERY

Partial excision and drainage of post-traumatic splenic cysts. Millar JS. **Br J Surg** 1982 Aug;69(8):477–8
Removal of splenic cyst with salvage of functional splenic tissue. Sink JD, et al. **J Pediatr** 1982 Mar;100(3):412–4
Microwave tissue coagulation in partial splenectomy for non-parasitic splenic cyst. Tabuse K, et al. **Nippon Geka Hokan** 1981 Sep 1;50(5):711–7
[Splenic cysts. Case-reports and review of literature (author's transl)] Baer U, et al. **Zentralbl Chir** 1982;107(2):87–93 (Eng. Abstr.) **(Ger)**

SPLENIC INFARCTION

COMPLICATIONS

Spontaneous splenic infarction in polysplenia syndrome. Shadle CA, et al. **J Comput Assist Tomogr** 1982 Feb; 6(1):177–9
Sickle cell trait with splenic infarcts. Buch P, et al. **NY State J Med** 1982 Jun;82(7):1087–8
[Embolic splenic infarction with an abscess caused by Salmonella panama (letter)] Laborde Y, et al. **Nouv Presse Med** 1981 Sep 19;10(33):2752 **(Fre)**

DIAGNOSIS

Ultrasonography of splenic infarct. Yeh HC, et al. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):446–8

ETIOLOGY

Splenic infarction in a white boy with sickle cell trait [letter] Callis M, et al. **Acta Haematol (Basel)** 1982;67(3):232
Advanced ovarian cancer with splenic infarct. A case report on diagnostic difficulties and favorable cytotoxic effects. Kirkinen P, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):531–3
Infarction of an accessory spleen presenting as a uterine fibroid with necrosis. Boerlum KG. **Am J Obstet Gynecol** 1982 Aug 15;143(8):974
Multiple renal and splenic infarctions in a neonate following transfusion with sickle trait blood. Novak RW, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):239–41
Incarcerated adult Bochdalek hernia with splenic infarction. Weinshelbaum AM, et al. **Gastrointest Radiol** 1982; 7(3):287–9

RADIONUCLIDE IMAGING

Wedged appearance of splenic infarcts on scans. Lin MS, et al. **Clin Nucl Med** 1981 Nov;6(11):556

SPLENIC NEOPLASMS

COMPLICATIONS

Fatal splenic rupture associated with histiocytic medullary reticulosis. Wakem CJ. **Conn Med** 1982 May;46(5):251–3
Hemorrhagic ascites: an unusual presentation of primary splenic lymphoma. Hacker JF 3d, et al. **Gastroenterology** 1982 Aug;83(2):470–3
[Chronic defibrination syndrome and thrombocytopenia in splenic hamartoma (splenoma)] Syfrig B, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):942–6 (Eng. Abstr.) **(Ger)**
[Cystic lymphangioma of the spleen associated with intramural gastric pancreas] Gervino L, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):631–40 **(Ita)**
[A case of splenic hemangiosarcoma complicated by disseminated intravascular coagulation (author's transl)] Nakazawa M, et al. **Rinsho Ketsueki** 1981 Oct; 22(10):1558–64 (Eng. Abstr.) **(Jpn)**
[Giant follicular lymphoma and schistosomiasis mansoni] Paes RA, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov–Dec;23(6):287–92 (Eng. Abstr.) **(Por)**
[Splenic-cutaneous angiomatosis, hypersplenism and renal malformation] Grasa MP, et al. **Actas Dermosifiliogr** 1981 Sep–Oct;72(9–10):455–58 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cystic lymphangiomatosis of the spleen: a radiologic-pathologic correlation. Rao BK, et al. **Radiology** 1981 Dec;141(3):781–2
[Primary hemangiosarcoma of the spleen] Waizbard E, et al. **Harefuah** 1982 Jan 15;102(2):59–61 (Eng. Abstr.) **(Heb)**
[Splenic lymphoma. Clinical case] Minutolo V, et al. **Chir Ital** 1982 Feb;34(1):97–106 **(Ita)**
[Cystic lymphangioma of the spleen (author's transl)] Cornaglia-Ferraris P, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):93–5 (Eng. Abstr.) **(Ita)**
[Role of echography in the study of abdominal localizations of lymphomas] Bartolozzi C, et al. **Radiol Med (Torino)** 1982 Jun;68(6):463–7 **(Ita)**
[Primary lymphoma of the spleen: echographic diagnosis] Fernández-Martínez A, et al. **Rev Clin Esp** 1981 Aug 15–31;162(3–4):165–7 **(Spa)**
[Hemangiosarcoma of the spleen] Holgado Silva C, et al. **Rev Clin Esp** 1981 Sep 30;162(6):291–2 **(Spa)**
[Echographic evaluation of abdominal masses of gastrointestinal origin] Sales Ferrer R, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):589–96 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

VM 26 in advanced mycosis fungoides. Tirelli U, et al. **Tumori** 1981 Oct 31;67(5):487–90

ETIOLOGY

[Colic carcinoma and basal cell epithelioma eleven years after Kaposi sarcoma with splenic and cutaneous involvement (author's transl)] de Plunkett TL, et al. **Sem Hop Paris** 1982 Apr 29;58(17):1027–30 (Eng. Abstr.) **(Fre)**
[A case of accessory splenic epidermoid cyst (author's transl)] Yamada K, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul; 70(7):1007–11 **(Jpn)**

IMMUNOLOGY

[Disappearance, after splenectomy, of a monoclonal peak of anti-lecithin activity in splenic lymphosarcoma] Detolle P, et al. **Rev Med Interne** 1981;2(4):371–7 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Pathogenesis of paralysis and lymphoma associated with a wild mouse retrovirus infection. Part 1. Age- and dose-related effects in susceptible laboratory mice. Hoffman PM, et al. **J Neuroimmunol** 1981 Sep;1(3):275–85

PATHOLOGY

Epidermoid cyst of accessory spleen. Hanada M, et al. **Acta Pathol Jpn** 1981 Sep;31(5):863–72
Cystadenocarcinoma of the pancreas manifested as a splenic cyst. Matsumoto M, et al. **Acta Pathol Jpn** 1981 Nov; 31(6):1089–96
Surgical pathology of the spleen: an approach to the differential diagnosis of splenic lymphomas and leukemias. Part I. Diseases of the white pulp. Burke JS. **Am J Surg Pathol** 1981 Sep;5(6):551–63 (59 ref.)
Surgical pathology of the spleen: an approach to the differential diagnosis of splenic lymphomas and leukemias. Part II. Diseases of the red pulp. Burke JS. **Am J Surg Pathol** 1981 Oct;5(7):681–94 (44 ref.)
Primary nonlymphoreticular malignant neoplasms of the spleen. Wick MR, et al. **Am J Surg Pathol** 1982 Apr; 6(3):229–42
Mobility of surface proteins on normal rat macrophages and on a 'macrophagelike' rat tumor. Woda BA, et al. **J Cell Biol** 1981 Sep;90(3):705–10
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 15–1982. Splenomegaly in a 55-year-old man. **N Engl J Med** 1982 Apr 15; 306(15):918–25
Cysts and nonlymphomatous tumors of the spleen. Garvin DF, et al. **Pathol Annu** 1981;16 Pt 1:61–80
[Hemorrhagic skin necrosis in intravascular precipitation of cryoglobulin by lymphocytic malignant lymphoma] Bräuninger W, et al. **Hautarzt** 1981 Nov;32(11):585–7 (Eng. Abstr.) **(Ger)**
[Hamartoma of the spleen] Rebizzo F, et al. **Pathologica** 1982 Jan–Feb;74(1029):123–9 (Eng. Abstr.) **(Ita)**
[Epidermoid spleen cyst] Vinogradov AL, et al. **Sov Med** 1981;(11):112–4 **(Rus)**
[Primary sarcoma of the spleen with extensive metastases] Matsko DE, et al. **Vrach Delo** 1981 Oct;(10):85–7 **(Rus)**

RADIOGRAPHY

Spontaneous rupture of hepatic and splenic angiosarcoma demonstrated by CT. Mahony B, et al. **AJR** 1982 May; 138(5):965–6
Use of intravenous liposoluble contrast material for the examination of the liver and spleen in lymphoma. Vermess M, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):709–13
Cystic lymphangioma of the spleen. Report of CT scan findings. Cornaglia-Ferraris P, et al. **Pediatr Radiol** 1982; 12(2):94–5
Computed tomographic demonstration of angiosarcoma of the spleen. Arbona GL, et al. **South Med J** 1982 Mar; 75(3):348–50
[Epidermoid cyst of the spleen. Report on a case (author's transl)] Labbe A, et al. **Ann Radiol (Paris)** 1981 Sep–Oct; 24(6):525–9 (Eng. Abstr.) **(Fre)**
[Cavernous lymphangioma of the spleen: report of a case and angiographic findings (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 1981 Jun;26(6):701–4 (Eng. Abstr.) **(Jpn)**
[Use of liposome-bound x-ray contrast substances for the diagnosis of splenic lesions in generalized lymphoma in SJL/J mice] Khanson KP, et al. **Vopr Onkol** 1982; 28(6):35–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Scan demonstration of tumefactive splenic involvement in malignant lymphoma: an indication of histiocytic lymphoma. Lin MS, et al. **Clin Nucl Med** 1981 Dec; 6(12):575–6
Giant epidermoid cyst of spleen: case report with nuclear medicine, sonographic and pathologic studies. Shih WJ, et al. **J Fla Med Assoc** 1982 May;69(5):387–9
Predicting splenic abnormality in Hodgkin disease using volume response to epinephrine administration. Rosen PR, et al. **Radiology** 1982 Jun;143(3):627–9

SECONDARY

Splenic vein obstruction secondary to pancreatic carcinoma. Manenti A. **Acta Chir Belg** 1981 Sep–Oct;80(5):245–8
An unusual cause of an isolated, focal splenic defect demonstrated by liver-spleen scintigraphy. Waller RM 3d, et al. **Clin Nucl Med** 1982 Jan;7(1):5–7
Breast cancer metastasizing to the spleen seen on computerized tomography. Newmark H 3d. **Comput Radiol** 1982 Jan–Feb;6(1):53–5
Induction of anterior chamber-associated immune deviation (ACAID) by allogeneic intraocular tumors does not require splenic metastases. Niederkorn JY, et al. **J Immunol** 1982 Jun;128(6):2470–4
Diagnostic approaches to liver and spleen metastases. Bernardino ME, et al. **Radiol Clin North Am** 1982 Sep; 20(3):469–85
Seminoma presenting as gross splenomegaly. Willey RF, et al. **Scott Med J** 1982 Jul;27(3):254–5

SURGERY

Epidermoid cyst of the spleen. Cameron GS, et al. **J Pediatr Surg** 1981 Aug;16(4):453–6
[Organ preserving operation in large epidermoid cyst of the spleen (author's transl)] Lambrecht W, et al. **Z Kinderchir** 1981 Mar;32(3):286–90 (Eng. Abstr.) **(Ger)**
[A case of suspected spontaneous rupture of splenic epidermoid cyst (author's transl)] Kim H, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):911–7 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Primary malignant fibrous histiocytoma of the spleen: an ultrastructural study. Govoni E, et al. **Histopathology** 1982 May;6(3):351–61
Splenic lymphangioma: luminal surface ultrastructure; a scanning electron microscopic study. Gnepp DR, et al. **Lymphology** 1982 Jun;15(2):56–9

VETERINARY

Multinodular splenic abnormality in a red patas monkey. Landsdown AB. **Vet Rec** 1982 May 1;110(18):429–30

SPLENIC RUPTURE

COMPLICATIONS

Splenosis on the right kidney and the diaphragmatic surface following traumatic rupture of the spleen. Nielsen JL. **Acta Chir Scand** 1981;147(8):721–4
Rupture of spleen complicating infective endocarditis. Senecky JG, et al. **Am J Dis Child** 1981 Dec;135(12):1144–5
Splenic rupture in patients with hematologic malignancies. Bauer TW, et al. **Cancer** 1981 Dec 15;48(12):2729–33
Injuries associated with splenic trauma. Traub AC, et al. **J Trauma** 1981 Oct;21(10):840–7
Splenosis mimicking endometriosis. Watson WJ, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):51S–3S
Detection of splenosis and ectopic spleens with 99mTc-labelled heat damaged autologous erythrocytes in 90 splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1981 Jul;27(1):51–6
[A patient with a dramatic course of an upper abdomen disorder (clinical conference)] Hoekstra JB. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):297–300 **(Dut)**
[Delayed splenic rupture and fat embolism in childhood (author's transl)] Höllwarth M, et al. **Z Kinderchir** 1981 Aug;33(4):329–35 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

A ruptured spleen due to body surfing. Buchta RM. **J Adolesc Health Care** 1981 Jun;1(4):317–8
Spontaneous rupture of the spleen: a further case report. Runchman PC. **J R Nav Med Serv** 1981;67(2):77–9
Ultrasonic demonstration of splenic rupture in infectious mononucleosis. Miller KB, et al. **JCU** 1981 Nov–Dec; 9(9):519–20
Ruptured spleen in a boxer with infectious mononucleosis. Lovaas M. **Minn Med** 1981 Aug;64(8):461–2
[Occult splenic rupture difficult to diagnosis] Aleksic M, et al. **Med Klin** 1981 Nov 6;76(23):659–61 (Eng. Abstr.) **(Ger)**
[An unusual abdominal injury?] Moll H. **Monatsschr Kinderheilkd** 1981 Dec;129(12):710–1 **(Ger)**
[Biphasic splenic rupture in a hemophilic child (author's transl)] Kaulfersch W, et al. **Padiatr Padol** 1981;16(4):465–7 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Elevation of amylase and lipase in the pleural fluid in a case of splenic rupture twice (letter)] Martinez Vea A, et al. **Med Clin (Barc)** 1982 May 16;78(10):461 **(Spa)**

ETIOLOGY

Traumatic splenic rupture adjacent to a subcostal cardiac pacemaker. Drinka P, et al. **Ann Emerg Med** 1981 Dec; 10(12):645–7

Spontaneous rupture of the spleen in Hodgkin's lymphoma. Beshara FM. **Clin Oncol** 1982 Mar;8(1):69–71

Spontaneous rupture of the spleen in hairy cell leukemia. Von der Walde J, et al. **Clin Oncol** 1981 Sep;7(3):241–4

Rupture of a normal spleen caused by vomiting following a metrizamide myelogram. Vas W, et al. **Diagn Imaging** 1981;50(6):309–12

Spontaneous rupture of the spleen as the presenting event in infectious mononucleosis. Miranti JP, et al. **J Am Coll Health Assoc** 1981 Oct;30(2):96

Neonatal death following in utero traumatic splenic rupture. Rothenberger DA, et al. **J Pediatr Surg** 1981 Oct; 16(5):754–5

Spontaneous subcapsular splenic hematoma as the only clinical manifestation of infectious mononucleosis. Patel JM, et al. **JAMA** 1982 Jun 18;247(23):3243–4

Spontaneous rupture of the spleen as the presenting feature of chronic myeloid leukaemia. Pelosi AJ, et al. **Scott Med J** 1981 Oct;26(4):352–3

Splenic trauma: splenectomy or splenorrhaphy? Tsai JT, et al. **South Med J** 1982 May;75(5):616–7

[Rupture of the spleen caused by mononucleosis] Konttinen M, et al. **Duodecim** 1982;98(7):563–6 **(Fin)**

[Sea blue histiocyte syndrome. Disclosure by spontaneous splenic rupture (letter)] Gonday G, et al. **Nouv Presse Med** 1982 May 29;11(25):1949 **(Fre)**

[Spontaneous rupture of the spleen in acute pancreatitis] Galeone M, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec;27(4):571–3 (Eng. Abstr.) **(Ita)**

[Spontaneous rupture of the spleen in mononucleosis] Høstmaelingen O, et al. **Tidsskr Nor Laegeforen** 1981 Jun 20;101(17–18):1066–7 (Eng. Abstr.) **(Nor)**

[New case of spontaneous splenic rupture in brucellosis (letter)] Rivera JM, et al. **Med Clin (Barc)** 1982 Feb 25; 78(4):168 **(Spa)**

[Spontaneous rupture of the spleen in a patient with diffuse histiocytic lymphoma, with reference to a case] Nieto Jiménez F, et al. **Rev Clin Esp** 1981 Sep 15;162(5):221–4 **(Spa)**

PATHOLOGY

[Rare combination of septic abortion and splenic rupture] Dürveniashki Kh. **Akush Ginekol (Sofiia)** 1982;21(1):89–90 **(Bul)**

['Spontaneous healing' for massive capsule ruptures of the spleen] Jung D, et al. **Med Klin** 1981 Dec 18;76(26):753 **(Ger)**

PHYSIOPATHOLOGY

Pathologic splenic rupture in a child Keaton BF. **Ann Emerg Med** 1982 Aug;11(8):429–32

RADIOGRAPHY

[Computer tomographic diagnosis of traumatic lesions of the spleen (author's transl)] Heller M, et al. **ROFO** 1982 Mar; 136(3):243–7 (Eng. Abstr.) **(Ger)**

[Traumatic rupture of the spleen diagnosed by computed tomography (author's transl)] Ayabe Z, et al. **Rinsho Hoshasen** 1981 Mar;26(3):399–402 (Eng. Abstr.) **(Jpn)**

[Computed tomography in splenic rupture] Stiris MG, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):995–6 (Eng. Abstr.) **(Nor)**

SURGERY

Splenectomy after blunt abdominal trauma. A retrospective study of 413 children. Wåhlby L, et al. **Acta Chir Scand** 1981;147(2):131–5

Splenorrhaphy in a patient with splenomegaly. Kurchin A, et al. **Arch Surg** 1982 Apr;117(4):509

Some common acute paediatric surgical problems. McLaren DM. **Aust Fam Physician** 1981 Oct;10(10):775–8

Implantation of autologous splenic tissue after splenectomy for trauma. Lanng Nielsen J, et al. **Br J Surg** 1982 Sep; 69(9):529–30

Traumatic rupture of the spleen. Arden GP, et al. **Int Surg** 1981 Apr–Jun;66(2):149–53

Ruptured spleen in the course of pregnancy: case report. Whelan PJ. **Trop Doct** 1982 Jan;12(1):44–5

Preservation of the ruptured spleen by gluing with highly concentrated human fibrinogen: experimental and clinical results. Brands W, et al. **World J Surg** 1982 May;6(3):366–8

[Reimplantation of splenic tissue after neonatal trauma (author's transl)] Aigner K, et al. **Ann Chir** 1981 Sep; 35(7):465–7 (Eng. Abstr.) **(Fre)**

[Initial clinical experiences with fibrin adhesives in traumatic and intraoperative splenic injury] Scheele J. **Chirurg** 1981 Aug;52(8):531–4 (Eng. Abstr.) **(Ger)**

[Initial clinical experiences with heterotopic autotransplantation of the spleen] Seufert RM, et al. **Chirurg** 1981 Aug;52(8):525–30 (Eng. Abstr.) **(Ger)**

[Splenic rupture in the multiply injured] Eid M, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 15;75(6):259–61 **(Ger)**

[The tissue adhesion of the ruptured spleen with highly concentrated human fibrinogen (author's transl)] Brands W, et al. **Z Kinderchir** 1981 Apr;32(4):341–6 (Eng. Abstr.) **(Ger)**

[Experience with heterotopic autotransplanted splenic tissue in children (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1982 Apr;35(4):145–52 (Eng. Abstr.) **(Ger)**

[Segmental resection of the spleen and glueing with human fibrinogen – an alternative to splenectomy and autotransplantation (author's transl)] Roth H, et al. **Z Kinderchir** 1982 Apr;35(4):153–8 (Eng. Abstr.) **(Ger)**

[Heterotopic autotransplantation of splenic tissue after traumatic rupture of the spleen – a solution after unavoidable splenectomy? (author's transl)] Youssef S, et al. **Z Kinderchir** 1982 Mar;35(3):88–9 (Eng. Abstr.) **(Ger)**

[The surgeon's attitude toward cases of splenic rupture in children] Sawicz-Birkowska K, et al. **Wiad Lek** 1982 May 15;35(5):329–33 **(Pol)**

[Observatory surgical treatment in ruptures of the spleen in children (splenorrhaphy)] Fufezan V, et al. **Rev Chir [Chir]** 1981 Nov–Dec;30(6):423–7 (Eng. Abstr.) **(Rum)**

[Splenic injuries in newborn infants] Bairov GA, et al. **Vestn Khir** 1981 Sep;127(9):94–7 **(Rus)**

[Splenic implantation in spleen injuries] Zamudio Tiburcio A, et al. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):45–8 (Eng. Abstr.) **(Spa)**

THERAPY

Ruptured spleen in a malarious area: with emphasis on conservative management in both adults and children. Hamilton DR, et al. **Aust NZ J Surg** 1982 Jun;52(3):310–3

Nonoperative management of delayed splenic rupture in an adult. Freeman LD, et al. **Dig Dis Sci** 1982 Feb;27(2):171–4

Spontaneous splenic vein rupture in pregnancy: case report. Wheelock Jb. **Milit Med** 1982 Jan;147(1):64

SPLENIC VEIN

Splenic vein obstruction secondary to pancreatic carcinoma. Manenti A. **Acta Chir Belg** 1981 Sep–Oct;80(5):245–8

Gastric variceal bleeding due to occlusion of splenic vein in pancreatic disease. Keith RG, et al. **Can J Surg** 1982 May;25(3):301–4

Case: splenic vein obstruction due to metastatic hypernephroma. Koehler RE. **Gastrointest Radiol** 1981; 6(4):365–70

Splenic vein thrombosis: a curable form of portal hypertension. Cummings R, et al. **J Miss State Med Assoc** 1982 May;23(5):137–8

Isolated splenic vein occlusion: a report of two cases. Hasan A, et al. **JPMA** 1982 Mar;32(3):79–80

[Arteriovenous aneurysm of the abdominal cavity following a blind shrapnel wound in World War II] Shchul'tsev GP, et al. **Klin Med (Mosk)** 1982 Apr;60(4):94–5 **(Rus)**

ANATOMY & HISTOLOGY

Study of venous segments in the spleens of buffalo and dog. Gupta SB, et al. **Acta Anat (Basel)** 1982;111(3):204–6

RADIOGRAPHY

[Arteriovenous fistula of the spleen revealed by ascites and profuse diarrhea. A case report including ultrasonography and arteriography findings (author's transl)] Wenger JJ, et al. **J Radiol** 1981 May;62(5):321–5 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Significance of intra- and extrahepatic portasystemic shunting in survival of cirrhotic patients. Syrota A, et al. **Dig Dis Sci** 1981 Oct;26(10):878–85

SURGERY

A new posterior exposure of the splenic vein for an H-graft splenorenal shunt. Barsoum MS, et al. **Br J Surg** 1982 Jul; 69(7):376–9

Alternative surgery in renal transplantation: spleno-renal anastomosis. Talbot-Wright R, et al. **Eur Urol** 1982; 8(2):127–8

[The Warren operation. Experiences with adults] Nordlinger B. **Chir Pediatr** 1982 May–Jun;23(3):209–10 **(Fre)**

[Selective distal spleno-adrenal bypass. Unusual selective shunt option in hemorrhage caused by esophageal varices. Presentation of a case] Moreno González E, et al. **Rev Esp Enferm Apar Dig** 1981 Jun;59(6):709–12 (Eng. Abstr.) **(Spa)**

SPLENOMEGALY

POEMS syndrome: studies in a patient with an IgG-kappa M protein but no polyneuropathy. Morrow JS, et al. **Arch Intern Med** 1982 Jun;142(6):1231–4

COMPLICATIONS

Splenorrhaphy in a patient with splenomegaly. Kurchin A, et al. **Arch Surg** 1982 Apr;117(4):509

Heterozygous beta thalassemia with an intermediate severity: (a report of 11 cases). Mehta BC, et al. **J Postgrad Med** 1981 Oct;27(4):235–9

[Sp'enomegaly and displacement of a remaining left kidney (author's transl)] Agrafiotis A, et al. **Nephrologie** 1981; 2(3):139–41 (Eng. Abstr.) **(Fre)**

[Two cases of agnogenic myeloid metaplasia associated with chronic lymphocytic leukemia (author's transl)] Zylberait D, et al. **Nouv Rev Fr Hematol** 1981;23(2):111–3 (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital thrombocytopenia, hepatosplenomegaly, and growth retardation. A clinicopathologic conference. Hoekelman RA, et al. **Am J Dis Child** 1982 Mar; 136(3):258–64

DIAGNOSIS

Non-tropical idiopathic splenomegaly. Report of a case. Barosi G, et al. **Haematologica (Pavia)** 1982 Apr; 67(2):255–60

Splenomegaly. An algorithmic approach to diagnosis. Eichner ER, et al. **JAMA** 1981 Dec 18;246(24):2858–61

Diagnosis of splenomegaly [letter] Walsh M. **JAMA** 1982 Apr 16;247(15):2096

[The spleen at laparoscopy. Clinical, scintigraphic and endoscopic correlations (author's transl)] Mullier JP, et al. **Acta Gastroenterol Belg** 1981 Mar–Apr;44(3–4):187–94 (Eng. Abstr.) **(Fre)**

[Significance of ultrasonic measurement of splenic thickness in abdominal diagnosis] Szebeni A. **Orv Hetil** 1982 Jan 10; 123(2):83–9 **(Hun)**

[The contribution of laparoscopy to the diagnosis of abdominal masses. Personal experience] Altieri A, et al. **Minerva Chir** 1982 Mar 15;37(5):427–9 **(Ita)**

ETIOLOGY

An unusual case of hepatosplenomegaly. Boel M, et al. **Acta Paediatr Belg** 1981 Apr–Jun;34(2):97–102

Disseminated tuberculosis presenting as massive hepatosplenomegaly and hepatic failure. Case report. Sharma SK, et al. **Am J Gastroenterol** 1981 Aug;76(2):153–6

Relationship between cell wall synthesis in Propionibacterium acnes and ability to stimulate the reticuloendothelial system. Pringle AT, et al. **Infect Immun** 1982 Feb;35(2):734–7

Splenomegaly in thyrotoxicosis [letter] Marynick SP. **JAMA** 1982 May 28;247(20):2782

Silicone-induced splenomegaly: treatment of pancytopenia by splenectomy in a patient on hemodialysis. Bommer J, et al. **N Engl J Med** 1981 Oct 29;305(18):1077–9

Non-tropical idiopathic splenomegaly (Dacie's syndrome): report of 5 cases. Manoharan A, et al. **Scand J Haematol** 1982 Feb;28(2):175–9

Seminoma presenting as gross splenomegaly. Willey RF, et al. **Scott Med J** 1982 Jul;27(3):254–5

[Giant splenomegaly indicative of sarcoidosis (author's transl)] Patey-Poll M, et al. **Arch Anat Cytol Pathol** 1981; 29(6):365–9 (Eng. Abstr.) **(Fre)**

[Differential diagnosis at the bedside – isolated splenomegaly] Kuntz HD. **MMW** 1981 Sep 4;123(36):46 **(Ger)**

[Idiopathic splenomegaly: the preliminary stage of a malignant lymphoma? Report on 2 cases] Stahel RA, et al. **Schweiz Med Wochenschr** 1982 May 15;112(20):725–30 (Eng. Abstr.) **(Ger)**

[Gigantic splenomegaly in sarcoidosis] Vilaseca J, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):357–60 (Eng. Abstr.) **(Spa)**

[Primary splenic neutropenia (author's transl)] Celada A. **Sangre (Barc)** 1981;26(5-A):626–30 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Paucity of splenic germinal centers: a new and unique splenomegaly syndrome including dysfunctional immune system. Weisdorf SA, et al. **Clin Immunol Immunopathol** 1982 May;23(2):492–500

OCCURRENCE

Tropical splenomegaly. Part 2: Oceania. Crane GG. **Clin Haematol** 1981 Oct;10(3):976–82

Tropical splenomegaly. Part 1: Tropical Africa. Fakunle YM. **Clin Haematol** 1981 Oct;10(3):963–75 (65 ref.)

PATHOLOGY

[Subacute myelomonocytic leukemia with splenomegaly: an autopsied case (author's transl)] Okada M, et al. **Rinsho Ketsueki** 1981 May;22(5):685–93 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Splenic platelet retention and thrombocytopoiesis in schistosomal splenomegaly. Borojevic R, et al. **Cell Mol Biol** 1981;27(6):671–6

[Chronic splenomegaly and cardiac insufficiency. Hemodynamic study of 10 cases] Ricome JL, et al. **Arch Mal Coeur** 1982 Jan;75(1):99–105 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Scintigraphic findings in progressive diaphyseal dysplasia. Lundy MM, et al. **J Nucl Med** 1982 Apr;23(4):324–5

SURGERY

Segmental splenectomy in schistosomiasis. Kamel R, et al. **Br J Surg** 1982 Jun;69(6):311–3

Tropical splenomegaly: surgical aspects. Ajao OG. **Trans R Soc Trop Med Hyg** 1981;75(6):877–81

VETERINARY

Histopathology of avian adenovirus group II splenomegaly of chickens. Veit HP, et al. **Avian Dis** 1981 Oct–Dec; 25(4):866–73

SPLENOPORTOGRAPHY

[Splenoportographic picture of liver cirrhosis] Shus' VA, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):44–9 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Tip–deflecting wire for percutaneous transhepatic portography. Nakao N, et al. **Radiology** 1982 Apr; 143(1):258

METHODS

Portal venography at the time of distal splenorenal shunts. Blumoff RL, et al. **J Cardiovasc Surg (Torino)** 1982 Jan–Feb;23(1):79–80

Effect of lower oesophageal sphincter on oesophageal varices. A portographic study. Miskowiak J, et al. **Scand J Gastroenterol** 1981;16(7):957–60

SPLENORENAL SHUNT, SURGICAL see under **PORTASYSTEMIC SHUNT, SURGICAL**

SPLICING, RNA see **RNA SPLICING**

SPLINTS

The effect of a partial bite raising splint on the occlusal face height. An x-ray cephalometric study in human adults. Dahl BL, et al. **Acta Odontol Scand** 1982;40(1):17–24

Pneumatic trouser splints in the treatment of severe osteogenesis imperfecta. Morel G, et al. **Acta Orthop Scand** 1982 Aug;53(4):547–52

Blocking splints to assist finger exercise. English CB, et al. **Am J Occup Ther** 1982 Apr;36(4):259–62

Dynamic interphalangeal extension splint design. Hooper RM, et al. **Am J Occup Ther** 1982 Apr;36(4):257–8

Hip–abduction, knee–extension orthosis. Spector P, et al. **Am J Occup Ther** 1982 Jul;36(7):461–2

Temporary stabilization of avulsed or luxated teeth. Medford HM. **Ann Emerg Med** 1982 Sep;11(9):490–2

Magnetic intranasal splints. Goode RL. **Arch Otolaryngol** 1982 May;108(5):319

Splinting in rheumatoid arthritis: II. Evaluation of Lightcast fiberglass polymer splints. Nicholas JJ, et al. **Arch Phys Med Rehabil** 1982 Feb;63(2):95–6

Splinting in rheumatoid arthritis: I. Factors affecting patient compliance. Nicholas JJ, et al. **Arch Phys Med Rehabil** 1982 Feb;63(2):92–4

Non–surgical correction of a congenital lop ear deformity by splinting with Reston foam. Kurozumi N, et al. **Br J Plast Surg** 1982 Apr;35(2):181–2

Four new hand splints. Van Straten O, et al. **Br J Plast Surg** 1981 Jul;34(3):345–8

Comfortable splinting for intravenous infusion. Woodhouse CR. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):943–4

Hexcelite splints and adaptions for burned and traumatized hands. van–Straten O, et al. **Burns Incl Therm Inj** 1982 Jan;8(3):188–90

The thumb web expanding splint: dynamic splintage for traumatic web contracture. Leung PC, et al. **Hand** 1981 Oct;13(3):311–7

Mandible stabilization between ablative and reconstructive surgery. Leeb DC, et al. **Head Neck Surg** 1979 Sept–Oct; 2(1):67–70

Haemorrhage from pelvic fractures: dangers and treatment. Dove AF, et al. **Injury** 1982 Mar;13(5):375–81

Thermoplastic ankle splint. Wallace L, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):565–6

Perthes' disease. Treatment with the Birmingham splint. Harrison MH, et al. **J Bone Joint Surg [Br]** 1982;64(1):3–11

Acute haematogenous osteomyelitis. O'Brien T, et al. **J Bone Joint Surg [Br]** 1982;64(4):450–3

Disimpaction splint for midfacial advancement surgery. Wessberg GA, et al. **J Oral Maxillofac Surg** 1982 Sep; 40(9):607

Effect of occlusal splints on the EMG activity of masseter and temporal muscles in bruxism with clinical symptoms. Hamada T, et al. **J Oral Rehabil** 1982 Mar;9(2):119–23

Subjective and objective evaluation of bruxing patients undergoing short–term splint therapy. Mejias JE, et al. **J Oral Rehabil** 1982 Jul;9(4):279–89

Hip spica application for the treatment of congenital dislocation of the hip. Kumar SJ. **J Pediatr Orthop** 1981; 1(1):97–9

Mandibular stabilization prosthesis. Hartman GE, et al. **J Prosthet Dent** 1982 Aug;48(2):215–9

The effects of different splinting times on replantation of teeth in monkeys. Nasjleti CE, et al. **Oral Surg** 1982 Jun; 53(6):557–66

Splintage for the spinal cord injury patient. Minns RJ, et al. **Paraplegia** 1982 Feb;20(1):54–5

The Draycott–Oswestry spina bifida splint. Draycott V. **Physiotherapy** 1982 May;68(5):154–5

The use of spring–loaded splints in treating wrist–flexion contractures. Belsole RJ, et al. **Plast Reconstr Surg** 1982 Jun;69(6):1015–6

An easy method of nasal splinting. Kalisman M. **Plast Reconstr Surg** 1981 Nov;68(5):793

A cross–over comparison of ready–made fabric wrist–splints in rheumatoid arthritis. Gumpel JM, et al. **Rheumatol Rehabil** 1981 May;20(2):113–5

Comparison of effects of electromyographic biofeedback and occlusal splint therapy on mandibular dysfunction. Dahlström L, et al. **Scand J Dent Res** 1982 Apr;90(2):151–6

[Duck–shaped wire fixation splint for treatment of Bennett's fracture (author's transl)] Wang ZB. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):467–9 (Eng. Abstr.) **(Chi)**

[A new dynamic splint for treatment of contractures of the finger joints] Nielsen PO, et al. **Ugeskr Laeger** 1982 Feb 1;144(5):317–9 (Eng. Abstr.) **(Dan)**

['Kinetec 3040'—on electrically driven training splint in the aftertreatment of leg injuries (author's transl)] Kleinfeld F. **Aktuel Traumatol** 1980 Dec;10(6):303–6 (Eng. Abstr.) **(Ger)**

[The positioning of the lower extremity. A new splint regimen] Giebel G, et al. **Chirurg** 1981 Dec;52(12):791–4 **(Ger)**

[Dynamic splinting in flexor tendon surgery] Mandl H, et al. **Handchirurgie** 1980;12(3–4):201–3 (Eng. Abstr.) **(Ger)**

[Functional variants in applying anatomical forearm splinting (author's transl)] Mitzkat K. **Rehabilitation (Stuttg)** 1981 Nov;20(4):177–80 (Eng. Abstr.) **(Ger)**

[Results of treatment of Perthes' disease by intertrochanteric adduction osteotomy with and without postoperative splint relief (author's transl)] Störig E, et al. **Z Orthop** 1982 May–Jun;120(3):226–9 (Eng. Abstr.) **(Ger)**

[Simple self production of an articular splint and its use on the lower extremity] Machan FG. **Zentralbl Chir** 1981; 106(18):1227–30 **(Ger)**

[Cap splint made of fast–hardening plastic in the treatment of traumatic mandibular osteomyelitis] Do Zui Tinh, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):36–8 (Eng. Abstr.) **(Rus)**

STANDARDS

Case report. Posterior splint for leg fractures in spinal cord injured patients. El Ghatit AZ, et al. **Am J Phys Med** 1981 Oct;60(5):239–42

VETERINARY

Effect of localized trauma and temporary splinting on immature skeletal muscle and mobility of the femorotibial joint in the dog. Shires PK, et al. **Am J Vet Res** 1982 Mar; 43(3):454–60

The use of a transfixation splint to stabilize a bilateral mandibular fracture in a dog. Robins GM, et al. **J Small Anim Pract** 1981 Dec;22(12):759–68

A new polymer splinting material. Houlton JE. **Vet Rec** 1981 Jul 4;109(1):10–2

SPLIT GENES see **RNA SPLICING**

SPONDYLARTHRITIS ANKYLOPOIETICA see **SPONDYLITIS, ANKYLOSING**

SPONDYLITIS

COMPLICATIONS

[Infiltrative abscess in a patient with nonspecific hematogenic osteomyelitis of the cervical vertebrae] Smirnov NM. **Vestn Otorinolaringol** 1981 Nov–Dec;(6):69–70 **(Rus)**

[Spinal myoclonus. Presentation of a case and review of its syndrome (author's transl)] Rebollo Alvarez–Amandi M, et al. **Arch Neurobiol (Madr)** 1981 Jul–Aug;44(4):225–38 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Chronic mycotic meningitis with spinal involvement (arachnoiditis): a report of five cases. Stein SC, et al. **Ann Neurol** 1982 May;11(5):519–24

Vertebral osteomyelitis in infants. Eismont FJ, et al. **J Bone Joint Surg [Br]** 1982;64(1):32–5

The imaging diagnosis of nonpyogenic discitis in children. Grünebaum M, et al. **Pediatr Radiol** 1982;12(3):133–7

[Postoperative inflammation of the intervertebral disk] Baš H. **Cesk Neurol Neurochir** 1981 Sep;44(5):328–31 (Eng. Abstr.) **(Cze)**

[(Sub)acute microbial inflammation of the spine: spondylodiskitis] Meijers KA, et al. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):851–6 (Eng. Abstr.) **(Dut)**

[Salmonella infections with manifestations in the skeletal system] Kluge K, et al. **Beitr Orthop Traumatol** 1981 Jul; 28(6):326–31 (Eng. Abstr.) **(Ger)**

[Inflammatory diseases of the spinal column] Göb A. **Chirurg** 1982 May;53(5):299–305 **(Ger)**

ETIOLOGY

Salmonella vertebral osteomyelitis: a case report with literature review. Lé CT. **Am J Dis Child** 1982 Aug; 136(8):722–4

Subaxial cervical subluxation and cord compression in psoriatic spondylitis. Fam AG, et al. **Arthritis Rheum** 1982 Jan;25(1):101–6

Spinal infection caused by acupuncture mimicking a prolapsed intervertebral disc. A case report. Hadden WA, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):624–6

Complications of cervical discography. Laun A, et al. **J Neurosurg Sci** 1981 Jan–Mar;25(1):17–20

Colonic perforation with thigh abscess: an unusual presentation of tuberculous spondylitis. Peacock JE Jr. **South Med J** 1982 May;75(5):623–5

[Non–tuberculous infectious spondylodiskitis. Study of a series of 40 cases] Rombouts JJ, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):740–74 (93 ref.) (Eng. Abstr.) **(Fre)**

[Double spondylodiskitis caused by Yersinia. Apropos of a case (letter)] Birembaut JC, et al. **Nouv Presse Med** 1982 Feb 27;11(9):678 **(Fre)**

[Lumbar spondylodiscitis after insertion of a Mobin–Uddin caval 'umbrella' filter (author's transl)] Herbiere P, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3715–6 (Eng. Abstr.) **(Fre)**

[Spondylodiskitis caused by Serratia marcescens. Apropos of a personal case (letter)] Queneau P, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):411 **(Fre)**

[Dystrophic spinal changes in relation to the back—evaluation of 1000 patients between ages 20 and 65] Hähnel H, et al. **ZFA (Dresden)** 1982 May–Jun;37(3):161–6 **(Ger)**

RADIOGRAPHY

[Roentgenologic peculiarities of the skeletal system in psoriasis arthropathica] Loreck D, et al. **ZFA (Dresden)** 1982 May–Jun;37(3):177–84 **(Ger)**

[Venospondylography in the x–ray diagnosis of complications of tubercular spondylitis] Tikhodeev SA, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):50–4 (Eng. Abstr.) **(Rus)**

[Diagnostic possibilities of the venospondylography in tuberculous spondylitis] Tikhodeev SA. **Probl Tuberk** 1981 Sep;(9):28–31 (Eng. Abstr.) **(Rus)**

SURGERY

Tuberculous spondylitis. Experience with costovertebrotomy—spondylodesis. Riskó T, et al. **Acta Chir Acad Sci Hung** 1980;21(1):99–102

Failed neck syndrome: an ounce of prevention. Fager CA. **Clin Neurosurg** 1980;27:450–65 (26 ref.)

[Vertebrectomy in the tumoral, inflammatory and traumatic spine] Lokietek W. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):705–20 (Eng. Abstr.) **(Fre)**

[Surgical treatment of unstable, therapy–resistant and painful lumbosacral joints by distracting decompressive posterolateral spondylodesis over the divided sacral bar according to Zielke's method (author's transl)] Albers C, et al. **Z Orthop** 1982 May–Jun;120(3):348–53 (Eng. Abstr.) **(Ger)**

[Experimental substantiation of restricted osteoplasty in tuberculous spondylitis] Guseva VN. **Probl Tuberk** 1981 Sep;(9):50–4 (Eng. Abstr.) **(Rus)**

THERAPY

Clinical recording of pressure on the spinal cord and cauda equina. Part 3: pressure on the cervical spinal cord during endotracheal intubation in patients with cervical spondylosis. Magnaes B. **J Neurosurg** 1982 Jul;57(1):64–6

[Degenerative diseases of the spinal column] Mau H. **Chirurg** 1982 May;53(5):292–8 **(Ger)**

VETERINARY

Discospondylitis in the dog. Bennett D, et al. **J Small Anim Pract** 1981 Aug;22(8):539–47

SPONDYLITIS, ANKYLOSING

Death following dental clearance in a patient suffering from ankylosing spondylitis – a case report with discussion on management of such problems. Hill CM. **Br J Oral Surg** 1980 Jun;18(1):73–6

Socioeconomic effects of ankylosing spondylitis. Chamberlain MA. **Int Rehabil Med** 1981;3(2):94–9

The anatomy of Norman Cousins' illness. Kahn S. **Mt Sinai J Med (NY)** 1981 Jul–Aug;48(4):305–14

Working ability of 76 patients with ankylosing spondylitis. Lehtinen K. **Scand J Rheumatol** 1981;10(4):263–5

[Ankylosing spondylitis (Bechterew's disease)—a current review (author's transl)] Schilling F. **Immun Infekt** 1981 Nov;9(6):189–203 (Eng. Abstr.) **(Ger)**

BLOOD

[T–lymphocyte subpopulations in chronic inflammatory rheumatism] Faure G, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):439–45 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Characteristics of atrioventricular conduction disturbances in ankylosing spondylitis (Mb. Bechterew). Nitter–Hauge S, et al. **Acta Med Scand** 1981;210(3):197–200

Aortitis in ankylosing spondylitis: early detection of aortic root abnormalities with two dimensional echocardiography. Tucker CR, et al. **Am J Cardiol** 1982

Mar;49(4):680–6
Ankylosing spondylitis: an important cause of severe disturbances of the cardiac conduction system. Prevalence among 223 pacemaker–treated men. Bergfeldt L, et al. **Am J Med** 1982 Aug;73(2):187–91
Ankylosing spondylitis and adenocarcinoma of the lung. Ahern MJ, et al. **Ann Rheum Dis** 1982 Jun;41(3):292–4
Ankylosing spondylitis and systemic lupus erythematosus: a rare HLA combination. Nashel DJ, et al. **Arch Intern Med** 1982 Jun;142(6):1227–8
Fractures of the thoracic and lumbar spine in ankylosing spondylitis. Thorngren KG, et al. **Arch Orthop Trauma Surg** 1981;98(2):101–7
IgA nephropathy associated with seronegative spondylarthropathies. Jennette JC, et al. **Arthritis Rheum** 1982 Feb;25(2):144–9
Early detection of aortic dilatation in ankylosing spondylitis using echocardiography. Thomas D, et al. **Aust NZ J Med** 1982 Feb;12(1):10–3
Rheumatoid arthritis, ankylosing spondylitis, and Reiter's syndrome occurring simultaneously. Case report. Lavery HA, et al. **Br J Vener Dis** 1982 Jun;58(3):196–9
Ankylosing spondylitis with fibrosis and carcinoma of the lung. Shankar PS. **CA** 1982 May–Jun;32(3):177–9
Cricoarytenoid arthritis in ankylosing spondylitis. A cause of acute respiratory failure and cor pulmonale. Libby DM, et al. **Chest** 1981 Nov;80(5):641–2
The coexistence of rheumatoid arthritis with Reiter's syndrome and/or ankylosing spondylitis: a model of dual HLA–associated disease susceptibility and expression. Alexander EL, et al. **J Rheumatol** 1981 May–Jun; 8(3):398–404
Coexistence of HLA–B27 ankylosing spondylitis and DR4 seropositive nodular rheumatoid arthritis in patient with membranous nephropathy. Lemmer JP, et al. **J Rheumatol** 1981 Jul–Aug;8(4):661–4
Membranous nephropathy in ankylosing spondylitis [letter] Botey A, et al. **Nephron** 1981;29(3–4):203
Laceration of the aorta complicating spinal fracture in ankylosing spondylitis. Fazl M, et al. **Neurosurgery** 1981 Jun;8(6):732–4
Erosive temporomandibular joint disease as a feature of the spondyloarthropathy of ulcerative colitis. Eyanson S, et al. **Oral Surg** 1982 Feb;53(2):136–40
Juvenile ankylosing spondylitis and aortic regurgitation: a case presentation. Gore JE, et al. **Pediatrics** 1981 Sep; 68(3):423–6
Fibrocavitating pulmonary lesions in ankylosing spondylitis. Hurwitz SS, et al. **S Afr Med J** 1982 Jan 30;61(5):168–70
Spontaneous atlantoaxial subluxation as a presenting manifestation of juvenile ankylosing spondylitis. A case report. Thompson GH, et al. **Spine** 1982;7(1):78–9
[An unusual course of systemic lupus erythematosus in a man with Bechterew's disease] Vachtenheim J, et al. **Vnitr Lek** 1981 Nov;27(11):1126–30 (Eng. Abstr.) **(Cze)**
[Association of retroperitoneal fibrosis with ankylosing spondylitis. Report of a case (author's transl)] Vital Durand D, et al. **Ann Med Interne (Paris)** 1981;132(3):200–1 (Eng. Abstr.) **(Fre)**
[Uveitis in a Yersinia pseudotuberculosis infection—one case] Girard P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):475–8 (Eng. Abstr.) **(Fre)**
[Cauda equina syndrome complicating enkylosing spondylarthritis (letter)] Grimaldi A, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3572 **(Fre)**
[Association of an acute sarcoidosis and ankylosing spondylitis in a patient (author's transl)] Gerster JC, et al. **Praxis** 1981 Dec 22;70(52):2356–9 (Eng. Abstr.) **(Fre)**
[Post–fracture pseudo–spondylodiskitis in ankylosing spondylitis] Saporta L, et al. **Rev Rhum Mal Osteoartic** 1981 Jul–Sep;48(7–9):587–90 **(Fre)**
[Pulmonary fibrosis in ankylosing spondylitis. Five new cases (author's transl)] Peltier P, et al. **Sem Hop Paris** 1982 Mar 11;58(10):596–600 (Eng. Abstr.) **(Fre)**
[Cystic fibrosis of the upper lobe in ankylosing spondylitis ('Bechterew's lung'): case report (author's transl)] Marowski B, et al. **Dtsch Med Wochenschr** 1982 Feb 12; 107(6):220–2 (Eng. Abstr.) **(Ger)**
[Atypical coronary heart disease as the cause of an angina pectoris disorder in Bechterew's disease] Osterspey A, et al. **Med Welt** 1982 May 7;33(18):653–7 **(Ger)**
[Destructive vertebral osteolyses with tetraparesis in Bekhterev's disease (author's transl)] Oepen G, et al. **Z Orthop** 1982 Feb;120(1):73–5 (Eng. Abstr.) **(Ger)**
[Pulmonary involvement in ankylosing spondylitis] Danieli G, et al. **G Clin Med** 1979 Sep;60(9):766–77 (Eng. Abstr.) **(Ita)**
[Rhizomelic spondylarthropathy and the cardiovascular system] Martinelli M, et al. **G Clin Med** 1981 Nov; 62(11):758–67 (Eng. Abstr.) **(Ita)**
[Apical pulmonary fibrosis in the course of ankylosing spondyloarthritis] Giordano N, et al. **Minerva Med** 1981 Oct 13;72(39):2625–30 (Eng. Abstr.) **(Ita)**
[Association of non–secreting myeloma and ankylosing spondylitis. Considerations on a clinical case] Gualandi M, et al. **Minerva Med** 1981 Oct 13;72(39):2631–7 (Eng. Abstr.) **(Ita)**
[A case of ankylosing spondylitis with aortic and mitral regurgitation, righ coronary ostial occlusion, and intrahissian block (author's transl)] Haruta S, et al. **Nippon Naika Gakkai Zasshi** 1981 Jun 10;70(6):888–94 **(Jpn)**

[Pulmonary aspergillosis and the characteristics of its course in ankylosing spondylitis complicated by pulmonary fibrosis] Krakówka P, et al. **Pneumonol Pol** 1981 Feb; 49(2):102–12 (Eng. Abstr.) **(Pol)**
[Cervical spine algodystrophy in Bechterew's disease] Nowak C. **Wiad Lek** 1981 Jul 1;34(13):1127–30 **(Pol)**
[Ankylosing spondylitis in a woman with cerebral palsy] Franović A. **Reumatizam** 1982;29(1):15–8 (Eng. Abstr.) **(Ser)**
[Multiple sclerosis. Spondylarthritis ankylopoietica] Quilez A, et al. **Rev Clin Esp** 1981 Apr 30;161(2):133–4 **(Spa)**

DIAGNOSIS

Diagnostic value of HLA–B27 testing ankylosing spondylitis and Reiter's syndrome. Khan MA, et al. **Ann Intern Med** 1982 Jan;96(1):70–6
Spondylitis erosiva: report on 9 patients. Jajić I, et al. **Ann Rheum Dis** 1982 Jun;41(3):237–41
Spinal cord block with a destructive lesion of the dorsal spine in ankylosing spondylitis. Good AE, et al. **Arthritis Rheum** 1982 Feb;25(2):218–22
Discitis—a rare early symptom of ankylosing spondylitis. Mau G, et al. **Eur J Pediatr** 1981 Sep;137(1):85–8
Abdominal aortic aneurysm simulating ankylosing spondylitis [letter] Pines A, et al. **J Rheumatol** 1982 Mar–Apr; 9(2):338–9
Infra–red thermography in the assessment of sacro–iliac inflammation. Grennan DM, et al. **Rheumatol Rehabil** 1982 May;21(2):81–7
The clinical assessment of sacro–iliac joint involvement in ankylosing spondylitis. Rudge SR, et al. **Rheumatol Rehabil** 1982 Feb;21(1):15–20
[Symptoms of the onset of ankylosing spondylitis] Cervini C, et al. **Minerva Med** 1981 Dec 15;72(50):3419–27 (28 ref.) **(Ita)**
[Early diagnosis of Bechterew's disease] Abdrakhmanova RSh, et al. **Ter Arkh** 1981;53(12):115–7 **(Rus)**
[Ankylosing spondyloarthritis and psoriasis] Badokin VV. **Ter Arkh** 1982;54(6):103–6 (Eng. Abstr.) **(Rus)**
[Clinical characteristics of Bechterew's disease in women in relation to the HLA B27 antigen carrier state] Minev V, et al. **Ter Arkh** 1982;54(6):99–103 **(Rus)**
[Differential diagnosis of the early stage of Bekhterev's disease] Chepoi VM, et al. **Vopr Revm** 1982 Apr–Jun; (2):63–6 **(Rus)**

DRUG THERAPY

Tripterygium wilfordii Hook f in rheumatoid arthritis and ankylosing spondylitis. Preliminary report. Guo JL, et al. **Chin Med J [Engl]** 1981 Jul;94(7):405–12
A comparative study of benoxaprofen and ketoprofen in ankylosing spondylitis. Charlot J, et al. **Eur J Rheumatol Inflamm** 1982;5(2):277–81
Double–blind comparison of tolmetin sodium and indomethacin in ankylosing spondylitis. Esdaile J, et al. **J Rheumatol** 1982 Jan–Feb;9(1):69–74
Nonsteroidal anti–inflammatory agents in rheumatoid arthritis and ankylosing spondylitis. Wasner C, et al. **JAMA** 1981 Nov 13;246(19):2168–72
Fenbufen in the treatment of ankylosing spondylitis. Siemens P. **Pharmacology** 1982;25 Suppl 1:51–3
[Azapropazone versus indomethacin in a double blind test with patients with ankylosing spondylitis] Sadowska–Wroblewska M, et al. **Z Rheumatol** 1980 Nov–Dec;39(11–12):406–11 (Eng. Abstr.) **(Ger)**
[Double–blind trial of the therapeutic efficacy of voltaren and indomethacin in Bechterew's disease] Burdeínyi AP. **Ter Arkh** 1981;53(7):107–11 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Picture of ankylosing spondylitis in Yersinia enterocolitica septicemia] Audebert AA, et al. **Rev Med Interne** 1981 Oct; 2(3):305–7 **(Fre)**
[Crohn spondylitis] Gömör B. **Orv Hetil** 1981 Nov 22; 122(47):2895–900 **(Hun)**

FAMILIAL & GENETIC

Sacroiliitis in the Old Order Amish. Arnett FC, et al. **Am J Med Genet** 1982 Jul;12(3):333–42
HLA antigens, psoriasis and acute anterior uveitis in Bechterew's syndrome (ankylosing spondylitis). Møller P, et al. **Clin Genet** 1982 Mar;21(3):215–21
[Occurrence of HLA B27 antigen in ankylosing spondylitis in Italy] Ferri S, et al. **Rev Rhum Mal Osteoartic** 1982 Apr; 49(5):355–8 (Eng. Abstr.) **(Fre)**
[Ankylosing spondylitis and Klebsiella: a genetic correlation?] Ebringer A. **MMW** 1982 Feb 12;124(6):120–2 **(Ger)**
[Simultaneous and separate incidence of ankylosing spondylitis and HLA B 27 antigen in a large family] Agyagási D, et al. **Orv Hetil** 1982 Jan 31;123(5):283–5 **(Hun)**
[Genetic study for ossification of the spinal ligaments (author's transl)] Seto N. **Nippon Geka Hokan** 1981 May; 50(3):461–75 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

The in–vivo metabolism of C3 in ankylosing spondylitis. Brinch L, et al. **Ann Rheum Dis** 1982 Feb;41(1):86–9
Secretory IgA: immune defence pattern in ankylosing spondylitis and klebsiella. Calguneri M, et al. **Ann Rheum Dis** 1981 Dec;40(6):600–4
HLA B27, ankylosing spondylitis, and some normal rabbit sera [letter] Mackintosh P, et al. **Ann Rheum Dis** 1982 Aug; 41(4):433–4
Immunoregulatory T cells in the peripheral blood of patients with Bechterew's syndrome. Vinje O, et al. **Ann Rheum Dis** 1982 Feb;41(1):41–6
Antibodies to and elevations of beta 2 microglobulin in the serum of ankylosing spondylitis patients. Curry R, et al. **Arthritis Rheum** 1982 Apr;25(4):375–80
The distribution of a specific HLA–B27–associated cell surface component on the tissues of patients with ankylosing spondylitis. Alexander K, et al. **Clin Exp Immunol** 1981 Jul;45(1):158–64
HLA–B27, Klebsiella pneumoniae, and the relation to acute anterior uveitis. Holland EJ, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):213–9
Association of HLA–B27 with ankylosing spondylitis. Trikannad VS, et al. **J Assoc Physicians India** 1981 Mar; 29(3):223–5
Structural identity of human histocompatibility leukocyte antigen–B27 molecules from patients with ankylosing spondylitis and normal individuals. Karr RW, et al. **J Clin Invest** 1982 Feb;69(2):443–50
Effect of klebsiella capsular antisera on lymphocytes from patients with ankylosing spondylitis. Shinebaum R, et al. **J Med Microbiol** 1981 Nov;14(4):451–6
HLA–B27–associated spondyloarthritis and enthesopathy in childhood: clinical, pathologic, and radiographic observations in 58 patients. Jacobs JC, et al. **J Pediatr** 1982 Apr;100(4):521–8
A survey of isolates of Klebsiella pneumoniae which cross–react with HLA–B27–associated cell–surface structure on the lymphocytes of patients with ankylosing spondylitis. Geczy AF, et al. **J Rheumatol** 1982 Jan–Feb; 9(1):97–100
The absence of circulating immune complexes in patients with ankylosing spondylitis. Maksymowych W, et al. **Rheumatol Int** 1981;1(3):107–9
The relationship between disease activity, immunoglobulins and lymphocyte sub–populations in ankylosing spondylitis. Hickling P, et al. **Rheumatol Rehabil** 1982 Aug;21(3):145–50
Ankylosing spondylitis in Japan. Mitsui H, et al. **Ryumachi** 1981;21 Suppl:45–9
In vitro thymosin effect on T lymphocytes in ankylosing spondylitis. Mutchnick MG, et al. **Thymus** 1981 Dec; 3(6):377–81
[Immunologic aspects of ankylosing spondylarthritis] Saliou P, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):23–8 (Eng. Abstr.) **(Fre)**
[Relationship between ankylopoietic (Bechterew) spondylitis and HLA B 27 antigen (letter)] Gömör B. **Orv Hetil** 1981 Dec;122(51):3177 **(Hun)**
[T–lymphocyte reactivity and the clinical condition of patients with ankylosing spondylitis] Sadowska–Wróblewska M, et al. **Reumatologia** 1981; 19(2):159–67 (Eng. Abstr.) **(Pol)**
[Immunologic disorders in ankylosing spondylitis] Sadovska–Vroblevska M. **Ter Arkh** 1981;53(7):22–5 (Eng. Abstr.) **(Rus)**
[Ankylopoietic spondylitis and autoimmune hemolytic anemia (letter)] Vicente García V, et al. **Med Clin (Barc)** 1981 Oct 10;77(6):265 **(Spa)**
[antigens HLA in ankylosing spondylitis (author's transl)] Orozco–Medina JH, et al. **Rev Invest Clin** 1981 Oct–Dec; 33(4):369–72 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

A sequential study of the relationship between faecal Klebsiella aerogenes and the common clinical manifestations of ankylosing spondylitis. Eastmond CJ, et al. **Ann Rheum Dis** 1982 Feb;41(1):15–20
An investigation into the properties of klebsiella strains isolated from ankylosing spondylitis patients. Pease PE, et al. **J Hyg (Lond)** 1982 Aug;89(1):119–23

OCCURRENCE

HLA–B27 and ankylosing spondylitis in African blacks [letter] Klemp P, et al. **Arthritis Rheum** 1982 Jun; 25(6):716–7
Prevalence of ankylosing spondylitis and radiological abnormalities of the sacroiliac joints in HLA–B27 positive individuals [letter] Dawkins RL, et al. **J Rheumatol** 1981 Nov–Dec;8(6):1025–6
[Rheumatoid arthritis and spondyloarthritis ankylopoietica with aortic insufficiency in Greenlandic Eskimos] Velander B, et al. **Ugeskr Laeger** 1982 Apr 5;144(14):1016–8 (Eng. Abstr.) **(Dan)**

PATHOLOGY

Ultrastructural abnormalities of striated muscle in ankylosing spondylitis. González–Angulo A, et al. **Arch Invest Med (Mex)** 1982;13(1):51–8 **(Eng, Spa)**
Problems in the assessment of disease activity in ankylosing spondylitis. Scott DG, et al. **Rheumatol Rehabil** 1981 May; 20(2):74–80
A new breed of mouse showing multiple osteochondral lesions—twy mouse. Hosoda Y, et al. **Ryumachi** 1981;21 Suppl:157–64
[Cervical spine in Bechterew's disease and polyarthritis]

Z Orthop 1981 Dec;119(6):637–45 (Ger)

PHYSIOPATHOLOGY

Ankylosing spondylitis and motherhood. Ostensen M, et al. **Arthritis Rheum** 1982 Feb;25(2):140–3

PREVENTION & CONTROL

[Long-term prophylaxis of recurring spondylitic iridocyclitis with antimalarials and non-steroidal antiphlogistics] Giordano M. **Z Rheumatol** 1982 May–Jun;41(3):105–6 (Eng. Abstr.) (Ger)

PSYCHOLOGY

[Psychodynamics of Bechterew's disease] Zander W. **Z Psychosom Med Psychoanal** 1981 Jul–Sep;27(3):201–15 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Ankylosing spondylitis in men and women: a clinical and radiographic comparison. Braunstein EM, et al. **Radiology** 1982 Jul;144(1):91–4

The rheumatoid variants. Nance EP Jr, et al. **Semin Roentgenol** 1982 Jan;17(1):16–24

[Multiple erosive discopathies associated with ankylosing spondylitis (author's transl)] Bonvoisin B, et al. **J Radiol** 1981 Aug–Sep;62(8–9):463–6 (Eng. Abstr.) (Fre)

[Bechterew's disease with and without unilateral involvement of the sacroiliac joints] Nowak C. **Wiad Lek** 1982 Jan 1; 35(1):59–65 (Eng. Abstr.) (Pol)

RADIONUCLIDE IMAGING

[Methodological problems of sacroiliac joint scintigraphy (author's transl)] Schörner W, et al. **Nuklearmedizin** 1981 Oct;20(5):241–6 (Eng. Abstr.) (Ger)

[Value of scintigraphy for the early diagnosis of spondylitis ankylosans] Schörner W, et al. **Z Rheumatol** 1981 Sep–Oct; 40(5):223–7 (Eng. Abstr.) (Ger)

RADIOTHERAPY

Radiation-induced leukaemia in spondylitics: dose-response relationships [letter] Papworth D, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):209–10

Mortality among patients with ankylosing spondylitis after a single treatment course with x rays. Smith PG, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):449–60

Radiation-induced leukemias in ankylosing spondylitis. Toolis F, et al. **Cancer** 1981 Oct 1;48(7):1582–5

[Scintigraphic, radiologic and clinical results after radium 224 therapy in 53 patients with ankylosing spondylitis] Redeker S, et al. **Beitr Orthop Traumatol** 1982 Apr; 29(4):218–33 (Eng. Abstr.) (Ger)

[Late damage following thorium X treatment (radium 224) of Bechterew disease?] Rudolph F, et al. **Beitr Orthop Traumatol** 1982 Apr;29(4):212–8 (Eng. Abstr.) (Ger)

REHABILITATION

[Social representations of a rheumatic disorder: rheumatic pelvispondylitis] Sailly JC, et al. **Cah Sociol Demogr Med** 1982 Apr–Jun;22(2):127–53 (Fre)

[Effectiveness of exercise therapy in ankylosing spondylitis] Gieremek K. **Reumatologia** 1981;19(1):53–8 (Eng. Abstr.) (Pol)

[Certain aspects of rehabilitation and welfare of patients with chronic rheumatic diseases] Funke P. **Vopr Revm** 1981 Jul–Sep;(3):70–1 (Rus)

SURGERY

Spinal pseudarthrosis with paraplegia in ankylosing spondylitis. A case report. Karlström G, et al. **Arch Orthop Trauma Surg** 1981;98(4):297–300

Assessment of longterm benefit of total hip replacement in patients with ankylosing spondylitis. Shanahan WR Jr, et al. **J Rheumatol** 1982 Jan–Feb;9(1):101–4

[Degenerative lumbar stenosis (author's transl)] Cauchoix J, et al. **Rev Chir Orthop** 1981;67(3):407–20 (Eng. Abstr.) (Fre)

[The treatment of flexion deformities of the spine in Bechterew disease] Ziwjan JL. **Beitr Orthop Traumatol** 1982 Apr;29(4):195–9 (Eng. Abstr.) (Ger)

[Corrective surgery for kyphosis in bekhterev's disease – indication, technique, results (author's transl)] Püschel J, et al. **Z Orthop** 1982 May–Jun;120(3):338–42 (Eng. Abstr.) (Ger)

[Bilateral hip arthroplasty of a young patient with Bechterew's disease performed in one sitting (author's transl)] Udvarhelyi I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(3):190–4 (Hun)

THERAPY

Tolerance of pool therapy by ankylosing spondylitis patients with low vital capacities. Harrison RA. **Physiotherapy** 1981 Oct;67(10):296

Cousins' account of self-cure rapped [news] Holden C. **Science** 1981 Nov 20;214(4523):892

[Prolonged treatment of patients with early stage of ankylosing spondylitis] Trofimova TM, et al. **Ter Arkh** 1981;53(7):104–7 (Eng. Abstr.) (Rus)

[Interference currents in the treatment of spinal degenerative diseases] Turzová E. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun; (3):35–6 (Rus)

SPONDYLOEPIPHYSEAL DYSPLASIA see **MUCOPOLYSACCHARIDOSIS 4**

SPONDYLOLISTHESIS

[Spondyl-olisthesis more than a problem of etymology (author's transl)] Golder W. **Rontgenblatter** 1982 Mar; 35(3):111 (Eng. Abstr.) (Ger)

CLASSIFICATION

Spondylolisthesis. Newman PH. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):437–40

COMPLICATIONS

Dysplastic and isthmic spondylolisthesis. Neuwirth M. **Bull Hosp Joint Dis** 1981;41:94–104

Cervical spondylolisthesis associated with the multiple nevoid basal cell carcinoma syndrome. Barnes DA, et al. **Clin Orthop** 1982 Jan–Feb;(162):26–30

Severe spondylolisthesis in Marfan's syndrome: report of two cases. Winter RB. **J Pediatr Orthop** 1982 Mar;2(1):51–5

CONGENITAL

Neural arch dysplasia of the sixth cervical vertebra associated with spinal cord compression. Schneidau A, et al. **Br J Radiol** 1982 Feb;55(650):162–5

DIAGNOSIS

Arthritis: avoiding diagnostic pitfalls. Reich ML. **Geriatrics** 1982 Jun;37(6):46–8, 53–4

Upper lumbar spondylolysis. Ravichandran G. **Int Orthop** 1981;5(1):31–5

ETIOLOGY

Scoliosis and spondylolysis–spondylolisthesis. Mau H. **Arch Orthop Trauma Surg** 1981;99(1):29–34

Spondylolysis following trauma. A case report and review of the literature. Klinghoffer L, et al. **Clin Orthop** 1982 Jun;(166):72–4

The behaviour of the lumbar intervertebral disc under repetitive forces. Cyron BM, et al. **Int Orthop** 1981; 5(3):203–7

Case report. Neurofibromatosis with lumbosacral spondylolisthesis. Winter RB, et al. **J Pediatr Orthop** 1981; 1(1):91–6

Lumbar apophyseal process excision and spinal instability. Hazlett JW, et al. **Spine** 1982 Mar–Apr;7(2):171–6

[Investigation on the etiology of spondylolysis: a study of its morphology and mechanism (author's transl)] Zhou BW. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):180–3 (Eng. Abstr.) (Chi)

[Defects of lumbo-sacral assimilation as the cause of spondylolysis and spondylolisthesis] Arct W. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):111–5 (Eng. Abstr.) (Pol)

[Iatrogenic spondylolysis] Arct W. **Chir Narzadow Ruchu Ortop Pol** 1981;46(4):359–63 (Eng. Abstr.) (Pol)

METABOLISM

Biochemical changes of intervertebral discs in patients with spondylolisthesis or with tears of the posterior annulus fibrosus. Roberts S, et al. **Ann Rheum Dis** 1982 Feb; 41(1):78–85

OCCURRENCE

Significance of lumbar spondylolysis in college football players. Semon RL, et al. **Spine** 1981 Mar–Apr;6(2):172–4

PATHOLOGY

Unilateral spondylolysis. Porter RW, et al. **J Bone Joint Surg [Br]** 1982;64(3):344–8

[Degree of spondylolisthesis — use and significance of different measuring methods (author's transl)] Lorenz R, et al. **Rontgenblatter** 1982 Feb;35(2):74–6 (Ger)

[The electron microscopic studies of the defected parts in the neural arch in spondylolysis (author's transl)] Oe Y. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):747–56 (Eng. Abstr.) (Jpn)

PHYSIOPATHOLOGY

[The significance of mechanical factors in the development of spondylolysis. Experimental studies (author's transl)] Schmitt E, et al. **Z Orthop** 1982 May–Jun;120(3):354–7 (Eng. Abstr.) (Ger)

RADIOGRAPHY

Computed tomography in spondylolisthesis. McAfee PC, et al. **Clin Orthop** 1982 Jun;(166):62–71

Defects of the pedicle and spondylolisthesis of the second cervical vertebra. Fardon DF, et al. **J Bone Joint Surg [Br]** 1981;63B(4):526–8

Epidurography in lumbar spondylolisthesis. Johansen JG, et al. **Neuroradiology** 1982;23(2):101–6

Vacuum facet phenomenon: a computed tomographic sign of degenerative spondylolisthesis. Lefkowitz DM, et al. **Radiology** 1982 Aug;144(3):562

Posterior arch defects of the cervical spine. Schwartz AM, et al. **Skeletal Radiol** 1982;8(2):135–9

[Dynamic radiologic aspects of lumbar spondylolysis] Maldague B, et al. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):441–57 (Eng. Abstr.) (Fre)

[Cervical spondylolisthesis (author's transl)] Collignon JC, et al. **J Belge Radiol** 1981;64(6):495–9 (Eng. Abstr.) (Fre)

[A case of true spondylolisthesis in the neck area] Beck G. **ROFO** 1982 Jan;136(1):93–4 (Ger)

[Cervical spine algodystrophy in Bechterew's disease] Nowak C. **Wiad Lek** 1981 Jul 1;34(13):1127–30 (Pol)

[Dysplastic spondylolisthesis of C6] Nowak C, et al. **Wiad Lek** 1981 Jun 15;34(12):1027–9 (Pol)

SURGERY

Lumbar spondylolisthesis. Clinical syndrome and operative experience with Cloward's technique. Lorenz R. **Acta Neurochir (Wien)** 1982;60(3–4):223–44

Reduction of spondylolisthesis with severe slipping. Vercauteren M, et al. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):502–11

Long-term results in lumbosacral interbody fusion for spondylolisthesis. van Rens TJ, et al. **Acta Orthop Scand** 1982 Jun;53(3):383–92

Lumbar spondylolisthesis: etiology of radiculopathy and role of the neurosurgeon. Rosomoff HL. **Clin Neurosurg** 1980; 27:577–90 (28 ref.)

A comparison of the long term results of three types of posterior fusion of the lumbar spine for spondylolisthesis. Suezawa Y, et al. **Int Orthop** 1981;5(4):291–7

One-stage decompression and posterolateral and interbody fusion for lumbosacral spondyloptosis through a posterior approach. Report of two cases. Bohlman HH, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):415–8

Treatment of lumbar lytic spondylolisthesis using osteoperiosteal transplants in young patients. Osterman K, et al. **J Pediatr Orthop** 1981;1(3):289–94

[Dynamics of isthmic spondylolisthesis and surgical strategy] Lemaire JP, et al. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):458–63 (Fre)

[Stable arthrodesis of the lumbo-sacral vertebrae in the management of spondylolisthesis] Munzinger U, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):468–78 (Fre)

[Surgical treatment of spondylolisthesis L5–S1. 12 years' experience in instrument reduction using the Harrington method] Vidal J, et al. **Acta Orthop Belg** 1981 Jul–Oct; 47(4–5):487–501 (Fre)

[Degenerative lumbar stenosis (author's transl)] Cauchoix J, et al. **Rev Chir Orthop** 1981;67(3):407–20 (Eng. Abstr.) (Fre)

[A one-stager procedure in operative treatment of spondylolistheses: dorsal traction-reposition and anterior fusion (author's transl)] Harms J, et al. **Z Orthop** 1982 May–Jun;120(3):343–7 (Eng. Abstr.) (Ger)

[Results of posterolateral spinal fusion on spondylolisthesis (author's transl)] Siguda P. **Z Orthop** 1981 Feb;119(1):123–5 (Eng. Abstr.) (Ger)

[The problem of dorsal spondylodesis while using traction rods (author's transl)] Thomas W. **Z Orthop** 1981 Oct; 119(5):535–9 (Eng. Abstr.) (Ger)

[The use of echographic findings in the localization of the aorto-iliac bifurcation for a surgical approach to the lumbo-sacral passage] Bartolozzi C, et al. **Arch Putti Chir Organi Mov** 1981;31:207–10 (Ita)

[Surgical stabilization of severe spondylolisthesis in adolescence (preliminary report)] Jacchia GE, et al. **Arch Putti Chir Organi Mov** 1980;30:33–40 (Ita)

[Spondylolisthesis in children and adolescents] Bjerkreim I. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1653–5 (Eng. Abstr.) (Nor)

THERAPY

Spondylolisthesis. Arthornthurasook A. **J Med Assoc Thai** 1981 Nov;64(11):541–5

[Conservative treatment of spondylolysis and spondylolisthesis] Delpierre J. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):464–7 (Fre)

[Reduction of severe L5 spondylolisthesis in children using the Harrington method] Michel CR, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):479–86 (Fre)

[Degenerative diseases of the spinal column] Mau H. **Chirurg** 1982 May;53(5):292–8 (Ger)

SPONDYLOLYSIS see under **SPONDYLOLISTHESIS**

SPONDYLOSIS DEFORMANS see **SPINAL OSTEOPHYTOSIS**

SPORES

Lycode powders in a case of erasure. Welch JR. **J Forensic Sci Soc** 1982 Jan;22(1):43–4

ISOLATION & PURIFICATION

An efficient technique for the isolation of yeast spores and the preparation of spheroplast lysates active in protein synthesis. Wolska-Mitaszko B, et al. **Anal Biochem** 1981 Sep 15;116(2):241-7

ULTRASTRUCTURE

Megasporogenesis in a heterosporous fern; features of the organelles in meiotic cells and young megaspores. Bell PR. **J Cell Sci** 1981 Oct;51:109-19

SPORES, BACTERIAL

Wet and dry bacterial spore densities determined by buoyant sedimentation. Tisa LS, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1307-10

Anthrax island. Why worry? [news] Wynn J. **Nature** 1982 Aug 5;298(5874):506-7

ANALYSIS

Bacterial spore components which enhance the bacteriostatic effectiveness of S-nitrosothiol. Morris SL, et al. **Appl Environ Microbiol** 1981 Dec;42(6):958-62

Larvicidal toxin from Bacillus sphaericus spores: isolation of toxic components. Tinelli R, et al. **FEBS Lett** 1982 Jun 1;142(1):155-8

Photometric immersion refractometry of bacterial spores. Gerhardt P, et al. **J Bacteriol** 1982 May;150(2):643-8

Properties of Hg- and Cd-spores of Bacillus megaterium QM B1551. Imagawa M, et al. **Microbiol Immunol** 1982; 26(3):181-90

DRUG EFFECTS

Comparison of the activities and stabilities of alkaline glutaraldehyde sterilizing solutions. Pepper RE. **Infect Control** 1980 Mar-Apr;1(2):90-2

Sporicidal effect of different aldehyde based preparations. Flink O, et al. **J Pharm Belg** 1981 Jul-Aug;36(4):227-30

Mutual relationship between antibiotics and resting spores of Bacillus subtilis: morphological changes and macromolecular synthesis after germination of spores treated with cyclic polypeptide and aminoglycoside antibiotics. Hayakawa Y, et al. **Microbiol Immunol** 1981; 25(7):655-70

ENZYMOLOGY

[Intercellular serine proteinases from spore-forming bacilli] Strongin Ala, et al. **Biokhimiia** 1981 Aug;46(8):1347-63 (77 ref.) (Eng. Abstr.) **(Rus)**

GENETICS

Identification of a new developmental locus in Bacillus subtilis by construction of a deletion mutation in a cloned gene under sporulation control. Rosenbluh A, et al. **J Bacteriol** 1981 Oct;148(1):341-51

METABOLISM

Protein synthesis in the isolated forespores from sporulating cells of Bacillus subtilis. Watabe K, et al. **Microbiol Immunol** 1981;25(6):545-56

PHYSIOLOGY

The source of the heat resistance of bacterial spores. Study of water in spores by NMR. Bradbury JH, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):157-64

The inhibition of vegetative cell outgrowth and division from spores of Bacillus cereus T by hen egg albumen. Tranter HS, et al. **J Appl Bacteriol** 1982 Feb;52(1):67-73

Bacterial spore heat resistance correlated with water content, wet density, and protoplast/sporoplast volume ratio. Beaman TC, et al. **J Bacteriol** 1982 May;150(2):870-7

Alcohol-resistant sporulation mutants of Bacillus subtilis. Bohin JP, et al. **J Bacteriol** 1982 May;150(2):944-55

Exospore formation in Methylosinus trichosporium. Titus JA, et al. **J Bacteriol** 1982 Jan;149(1):354-60

RADIATION EFFECTS

A model for oxygen-dependent damage from OH radicals in irradiated suspensions of bacterial spores. Ewing D. **J Radiat Res (Tokyo)** 1980 Dec;21(3-4):288-96

ULTRASTRUCTURE

The ultrastructure of bacterial spores in skin of an Egyptian mummy. Hino H, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):21-4

Ultrastructural analysis of membrane development during Bacillus thuringiensis sporulation. Bechtel DB, et al. **J Ultrastruct Res** 1982 May;79(2):121-32

A freeze-substitution and freeze-fracture study of bacterial spore structures. Ebersold HR, et al. **J Ultrastruct Res** 1981 Jul;76(1):71-81

A new test of differentiation of Bacillus cereus and Bacillus anthracis based on the existence of spore appendages. Hachisuka Y, et al. **Microbiol Immunol** 1981;25(11):1201-7

SPORES, FUNGAL

Airborne allergens: assessing exposure risks. Solomon WR, et al. **Bull NY Acad Med** 1981 Sep;57(7):507-23

Meiosis in haploid yeast. Wagstaff JE, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2986-90

Immunological effects induced by biological natural aerosols (pollen and spores). D'Amato G, et al. **Z Erkr Atmungsorgane** 1981;157(3):281-6

[Arthrospores in epidemiology and pathogenesis of dermatophytoses (author's transl)] Weigl E. **Cesk Dermatol** 1981 Jun;56(3):188-91 (Eng. Abstr.) **(Cze)**

ANALYSIS

Taxonomic importance of immunocytochemical analysis of spores. Amirante GA, et al. **G Batteriol Virol Immunol** 1981 Jan-Jun;74(1-6):48-54

ENZYMOLOGY

Developmental regulation of a sporulation-specific enzyme activity in Saccharomyces cerevisiae. Clancy MJ, et al. **Mol Cell Biol** 1982 Feb;2(2):171-8

GROWTH & DEVELOPMENT

A new simple and rapid method for induction of both germ tube and chlamydospore formation by Candida albicans. Tangchaitrong N, et al. **J Med Assoc Thai** 1981 Nov; 64(11):550-4

IMMUNOLOGY

Common mushroom spores may cause asthma and hay fever in fall [news] Check WA. **JAMA** 1982 Apr 16;247(15):2071

ISOLATION & PURIFICATION

Purification of Dictyostelium discoideum spores by centrifugation in Percoll density gradients with retention of morphological and biochemical integrity. Killick KA. **Anal Biochem** 1981 Jun;114(1):46-52

[A follow-up survey on airborne fungal spore counts in the Taipei area (author's transl)] Han SH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Dec;14(4):213-21 (Eng. Abstr.) **(Chi)**

METABOLISM

Changes in the activity and properties of trehalase during early germination of yeast ascospores: correlation with trehalose breakdown as studied by in vivo 13C NMR. Thevelein JM, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3503-7

PHYSIOLOGY

Utilization of trehalose during Dictyostelium discoideum spore germination. Jackson DP, et al. **Dev Biol** 1982 Apr; 90(2):369-74

Mitochondrial biogenesis during fungal spore germination: respiration and cytochrome c oxidase in Neurospora crassa. Stade S, et al. **J Bacteriol** 1981 Sep;147(3):757-67

SPORIDESMINS see under **INDOLES**

SPOROTHRIX see **SPOROTRICHUM**

SPOROTRICHOSIS

[Occupational and familial sporotrichosis] Furtado T, et al. **Med Cutan Iber Lat Am** 1981;9(3):207-10 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Systemic sporotrichosis: pulmonary complications of a well-known cutaneous fungal disease. A case report. Matthews HJ, et al. **S Afr Med J** 1982 Sep 18;62(13):451-3

DIAGNOSIS

Case report. Disseminated sporotrichosis presenting as sarcoidosis: electron microscopic and immunologic studies. Boehm D, et al. **Am J Med Sci** 1982 Mar-Apr;283(2):71-8

Ultrasonic evaluation of chronic sporotrichosis. Moeller DA, et al. **JCU** 1982 May-Jun;10(5):238-9

DRUG THERAPY

Fixed cutaneous sporotrichosis of the face. Successful treatment of a case review of the literature. Deilatorre DL, et al. **J Am Acad Dermatol** 1982 Jan;6(1):97-100

ETIOLOGY

Sporotrichosis due to contact with contaminated sphagnum moss. Adam JE, et al. **Can Med Assoc J** 1982 May 1; 126(9):1071-3

Sporotrichosis of the abdomen. Frankel EH, et al. **Cutis** 1982 Feb;29(2):189-90

FAMILIAL & GENETIC

[Occupational and familial sporotrichosis] Furtado T, et al. **Med Cutan Iber Lat Am** 1981;9(3):207-10 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Development of experimental sporotrichosis in normal and modified animals. Hachisuka H, et al. **Mycopathologia** 1981 Nov 11;76(2):79-82

RADIOGRAPHY

Case for diagnosis: primary pulmonary sporotrichosis. Churchill C. **Milit Med** 1982 Jun;147(6):496, 504-5

THERAPY

[Local thermotherapy in sporotrichosis] Takahashi S, et al. **Hautarzt** 1981 Oct;32(10):525-8 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Feline sporotrichosis. Transmission to man. Read SI, et al. **Arch Dermatol** 1982 Jun;118(6):429-31

VETERINARY

Feline sporotrichosis. Transmission to man. Read SI, et al. **Arch Dermatol** 1982 Jun;118(6):429-31

SPOROTRICHUM

ANALYSIS

[Polysaccharides from 'Sporothrix schenkii' (author's transl)] de Bièvre C, et al. **Ann Microbiol (Paris)** 1981 Jul-Aug; 132B(1):123-6 (Eng. Abstr.) **(Fre)**

[DNA base composition in strains of 'Sporothrix schenckii' and 'Ceratocystis' (author's transl)] de Bièvre C, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):281-4 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

A new species of Sporothrix from calf skin. de Hoog GS, et al. **Antonie Van Leeuwenhoek** 1981;47(4):367-70

ENZYMOLOGY

Characterization of a cellobiose dehydrogenase in the cellulolytic fungus Sporotrichum (Chrysosporium) thermophile. Coudray MR, et al. **Biochem J** 1982 Apr 1; 203(1):277-84

Purification and partial characterization of two acidic proteases from the white-rot fungus Sporotrichum pulverulentum. Eriksson KE, et al. **Eur J Biochem** 1982 Jun;124(3):635-42

IMMUNOLOGY

Exoantigen Studies of Sporothrix schenckii, Ceratocystis minor, and Graphium penicilliodes cultures. Polonelli L, et al. **J Clin Microbiol** 1982 Mar;15(3):362-5

SPOROZOA

Cytauxzoon-like organisms in erythrocytes of two cheetahs. Zinkl JG, et al. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1261-2

Observations on the transmission of Theileria mutans in South Africa. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Mar;48(1):1-6

Theileria? taurotragi: a probable agent of bovine cerebral theileriosis. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Sep;48(3):177-8

[On the occurrence of Stylocephalus africanus in a Zophosis (author's transl)] Théodoridès J, et al. **Ann Parasitol Hum Comp** 1982;57(1):108 **(Fre)**

ANATOMY & HISTOLOGY

[Description of a new gregarine: Anisolobus desportis n.sp. (Eugregarina gregarinidae), parasite of a curculionid beetle of the island of the Réunion. Considerations on the genus Anisolobus Vincent (author's transl)] Théodoridès J, et al. **Ann Parasitol Hum Comp** 1981;56(5):461-6 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[The nomenclature of some Theileria species (Sporozoa, Babesioidea) of domestic ruminants (author's transl)] Morel PC, et al. **Rev Elev Med Vet Pays Trop** 1981;34(2):139-43 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Electron microscopical study on the effect of halofuginone on Theileria parva. Mehlhorn H, et al. **Tropenmed Parasitol** 1981 Dec;32(4):231-3

ENZYMOLOGY

Theileria annulata and Babesia ovis: ultracytochemical lactic dehydrogenase activity of sporozoites in salivary glands of female ticks, Hyalomma anatolicum excavatum and Rhipicephalus bursa. Weber G. **Exp Parasitol** 1982 Jun; 53(3):326-34

GROWTH & DEVELOPMENT

The influence of temperature, darkness, and starvation on growth and survival of Helisoma duryi, Biomphalaria alexandrina and Bulinus truncatus. el-Emam MA, et al.

Egypt J Bilharz 1979;6(1-2):61-74

Theileria parva: early events in the development of bovine lymphoblastoid cell lines persistently infected with macroschizonts. Kurtti TJ, et al. **Exp Parasitol** 1981 Oct; 52(2):280-90

Production of Rhipicephalus appendiculatus with high infections of Theileria parva. Young AS, et al. **J Parasitol** 1981 Oct;67(5):751-2

Pancreatic infections of Myxobolus osburni Herrick (Myxozoa: Myxosporea) in the pumpkinseed, Lepomis gibbosus (Linnaeus) in Iowa. Ingram KM, et al. **J Wildl Dis** 1982 Jan;18(1):75-9

Effects of low temperature on the development of the microsporidan Glugea stephani in English sole (Parophrys vetulus). Olson RE. **J Wildl Dis** 1981 Oct;17(4):559-62

Artificial infection of the tick Rhipicephalus appendiculatus with Theileria parva. Walker AR, et al. **Res Vet Sci** 1979 Mar;26(2):264-5

Salivary gland of the tick vector of East Coast fever. IV. Cell type selectivity and host cell responses to Theileria parva. Fawcett DW, et al. **Tissue Cell** 1982;14(2):397-414

Salivary gland of the tick vector of East Coast fever. III. The ultrastructure of sporogony in Theileria parva. Fawcett DW, et al. **Tissue Cell** 1982;14(1):183-206

The response of Bos taurus and Bos indicus cattle types to inoculation of lymphoblastoid cell lines infected with Theileria parva schizonts. Dolan TT, et al. **Tropenmed Parasitol** 1982 Mar;33(1):57-62

Kinetics of infection with Theileria parva (East Coast fever) in the central lymph of cattle. Emery DL. **Vet Parasitol** 1981 Oct;9(1):1-16

Relative infectivity of Theileria annulata (Dchunkovsky and Luhs, 1904) stabilates derived from female and male Hyalomma excavatum (Koch, 1844) ticks. Pipano E, et al. **Vet Parasitol** 1982 Mar;10(1):21-7

IMMUNOLOGY

Encephalitozoonosis in the blue fox. Comparison between the india-ink immuno-reaction and the indirect fluorescent antibody test in detecting Encephalitozoon cuniculi antibodies. Mohn SF. **Acta Vet Scand** 1982;23(1):99-106

Bovine immune response to Theileria parva: neutralizing antibodies to sporozoites. Musoke AJ, et al. **Immunology** 1982 Apr;45(4):663-8

Direct immunofluorescent staining of Leucocytozoon caulleryi of different developmental stages. Fujisaki K, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer; 21(2):73-9

Detection of antibodies to Nosema cuniculi (Protozoa : Microsocoporidia) in human and animal sera by the indirect fluorescent antibody technique. Singh M, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):110-3

Immunological aspects of Theileria annulata infection calves. 2. Production of macrophage migration inhibition factor (MIF) by sensitized lymphocytes from Theileria annulata-infected calves. Rehbein G, et al. **Tropenmed Parasitol** 1981 Sep;32(3):154-6

Immunization of sheep against Theileria hirci infection with schizonts propagated in tissue culture. Hawa NJ, et al. **Vet Parasitol** 1981 Dec;9(2):91-7

Evidence of circulating antibodies against Frenkelia glareoli (Apicomplexa). Skofitsch G, et al. **Z Parasitenkd** 1982; 66(3):355-8

ISOLATION & PURIFICATION

Theileria parva: isolation of macroschizonts from in vitro propagated lymphoblastoid cells of cattle. Nyormoi O, et al. **Exp Parasitol** 1981 Dec;52(3):303-11

Blood parasites of birds in Central Europe. 3. Plasmodium and Haemoproteus. Kučera J. **Folia Parasitol (Praha)** 1981; 28(4):303-12

The isolation of Theileria? Taurotragi in South Africa. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Sep; 48(3):149-53

A cyst-forming Eimeriina found in the kangaroo imported from Australia. Yamada MO, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):361-7

METABOLISM

The three cortical membranes of the gregarines (parasitic protozoa). Characterization of the membrane proteins of gregarina blaberae. Philippe M, et al. **Biochem J** 1982 Mar 1;201(3):455-64

The incorporation of radio-labelled nucleic acid precursors by Theileria parva in bovine blood and salivary glands of Rhipicephalus appendiculatus ticks. Irvin AD, et al. **Int J Parasitol** 1981 Dec;11(6):451-6

PATHOGENICITY

Experimental transmission of Cytauxzoon felis from bobcats (Lynx rufus) to domestic cats (Felis domesticus). Kier AB, et al. **Am J Vet Res** 1982 Jan;43(1):97-101

PHYSIOLOGY

The entry of sporozoites of Theileria parva into bovine lymphocytes in vitro. Electron microscopic observations. Fawcett DW, et al. **Eur J Cell Biol** 1982 Apr;27(1):10-21

Sarcocystis, Trypanosoma, Toxoplasma, Brugia, Ancylostoma, and Trichinella spp.: a review of the intracellular parasites of striated muscle. Stewart GL, et al. **Exp Parasitol** 1982 Jun;53(3):406-47 (250 ref.)

Investigations on black fly vectors (Diptera: Simuliidae) of Leucocytozoon smithi (Sporozoa: Leucocytozoidae) in Florida. Pinkovsky DD, et al. **J Med Entomol** 1981 Apr; 18(2):153-7

[The species Ceratomyxa (Myxosporidae) in Serranidae (fishes, Teleosta)] Siau Y, et al. **Arch Inst Pasteur Tunis** 1981 Sep-Dec;58(3):431-9 (Eng. Abstr.) (Fre)

ULTRASTRUCTURE

The fine structure of the merozoites and gametocytes of Leucocytozoon caulleryi. Morii T, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):198-205

SPORTS

see related
ATHLETIC INJURIES
DOPING IN SPORTS

The radial head-capitellum view: another example of its usefulness [letter] Greenspan A, et al. **AJR** 1982 Jul; 139(1):193

Is athletic amenorrhea specific to runners? Sanborn CF, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):859-61

Juvenile retinal detachment. Pan American Association of Ophthalmology and American Journal of Ophthalmology Lecture. Verdaguer J. **Am J Ophthalmol** 1982 Feb; 93(2):145-56

Vocational options for those with sickle cell trait: questions about hypoxemia and the industrial environment. McKenzie JM. **Am J Pediatr Hematol Oncol** 1982 Summer; 4(2):172-8

Weight training-related injuries in the high school athlete. Brady TA, et al. **Am J Sports Med** 1982 Jan-Feb;10(1):1-5

The frequency of muscle tightness and injuries in soccer players. Ekstrand J, et al. **Am J Sports Med** 1982 Mar-Apr; 10(2):75-8

An analysis of roller skating injuries. Ferkel RD, et al. **Am J Sports Med** 1982 Jan-Feb;10(1):24-30

Performance of baseball headgear. Goldsmith W, et al. **Am J Sports Med** 1982 Jan-Feb;10(1):31-7

Infectious mononucleosis in the athlete. Diagnosis, complications, and management. Maki DG, et al. **Am J Sports Med** 1982 May-Jun;10(3):162-73

Kinesiology. III. An analysis of peak efforts in sports activities. Miller WE. **Am J Sports Med** 1982 Jan-Feb; 10(1):38-9

Gait analysis. Alterations in support phase forces using supportive devices. Scranton PE Jr, et al. **Am J Sports Med** 1982 Jan-Feb;10(1).6-11

Injuries in intercollegiate wrestling. A 5-year study. Snook GA. **Am J Sports Med** 1982 May-Jun;10(3):142-4

Pott's puffy tumor, frontal sinusitis, frontal bone osteomyelitis, and epidural abscess secondary to a wrestling injury. Tudor RB, et al. **Am J Sports Med** 1981 Nov-Dec; 9(6):390-1

Fractures and refractures in intercollegiate athletes. An eleven-year experience. Whiteside JA, et al. **Am J Sports Med** 1981 Nov-Dec;9(6):369-77

Weight lifter's cephalgia. Powell B. **Ann Emerg Med** 1982 Aug;11(8):449-51

Trapshooter's cramp [letter] Ajax ET. **Arch Neurol** 1982 Feb; 39(2):131-2

Golf club holder for upper-extremity amputee golfers. Bhala RP, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):339-41

Physiology of weight-lifting exercise. Gonyea WJ, et al. **Arch Phys Med Rehabil** 1982 May;63(5):235-7

The heart score theory in the racehorse. Stewart GA. **Aust Vet J** 1981 Sep;57(9):422-8 (33 ref.)

Tennis elbow: incidence in local league players. Carroll R. **Br J Sports Med** 1981 Dec;15(4):250-6

A comparison of heart rate responses in racquet games. Docherty D. **Br J Sports Med** 1982 Jun;16(2):96-100

A survey of roller discotheque injuries. Dowey KE. **Br J Sports Med** 1982 Jun;16(2):85-8

Trampoline training injuries--one hundred and ninety-five cases. Hammer A, et al. **Br J Sports Med** 1981 Sep; 15(3):151-8

A thermophysiological rationale for endurance training for racquet activities. Hancock PA. **Br J Sports Med** 1981 Dec; 15(4):234-7

Changes in the cervical spine in association football players. Sortland O, et al. **Br J Sports Med** 1982 Jun;16(2):80-4

Association football injuries to the brain. A preliminary report. Tysvaer A, et al. **Br J Sports Med** 1981 Sep; 15(3):163-6

Tobacco sponsorship of sport: think again [editorial] **Br Med J [Clin Res]** 1982 Feb 6;284(6313):365

Sports anaemia [letter] **Br Med J [Clin Res]** 1982 Jun 26; 284(6333):1947-8

Synergy between thinness and intensive sports activity in delaying menarche. Vandenbroucke JP, et al. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1907-8

Injuries incurred at 'roller_discos'. Wilkinson AJ. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1163

Intercollegiate sports participation and non-medical drug use. Toohey JV, et al. **Bull Narc** 1981;33(3):23-7

Cortical bone, body size, and skeletal maturity in ice hockey players 10 to 12 years of age. Meleski BW, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):212-7

Objective and self-perceived performance adequacies in collegiate basketball players. Rushall BS, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):123-6

Physiological profiles of the Canadian Olympic Hockey Team (1980). Smith DJ, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):142-6

The value of sport in the rehabilitation of the physically disabled. Stewart N. **Can J Appl Sport Sci** 1981 Dec; 6(4):166-7

Elbow problems associated with baseball during childhood and adolescence. Pappas AM. **Clin Orthop** 1982 Apr; (164):30-41

Hypothermia in winter and high altitude sports. Hampton WR. **Conn Med** 1981 Oct;45(10):633-6

Role of primary care physician in sports for the handicapped. Healy A. **Conn Med** 1981 Sep;45(9):571-3

Rehabilitative benefits of sports for the handicapped. Molnar G. **Conn Med** 1981 Sep;45(9):574-7

Windsurfer dermatitis from black rubber components. Tennstedt D, et al. **Contact Dermatitis** 1981 May;7(3):160-1

Management of refractive errors in myopic athletes. A comparison of the Bausch and Lomb Soflens (Polymacon) contact lenses with glasses, hard lenses, and no correction. Brown BG 3d. **Contact Intraocular Lens Med J** 1981 Apr-Jun;7(2):123-43

On the meaning of sports: cross cultural observations of super stress. Pierce CM, et al. **Cult Med Psychiatry** 1982 Mar; 6(1):11-28

The child with heart disease: play, recreation, and sports. Strong WB, et al. **Curr Probl Cardiol** 1981 Nov;6(8):1-38

Dynamic strength test as a predictor for maximal and acceptable lifting. Pytel JL, et al. **Ergonomics** 1981 Sep; 24(9):663-72

A comparison of plasma cholesterol, triglycerides, and high density lipoprotein-cholesterol in speed skaters, weightlifters and non-athletes. Farrell PA, et al. **Eur J Applied Physiol** 1982;48(1):77-82

Muscle glycogen and diet in elite soccer players. Jacobs I, et al. **Eur J Applied Physiol** 1982;48(3):297-302

Blood metabolites during prolonged exercise in swimming and leg cycling. Lavoie JM. **Eur J Applied Physiol** 1982; 48(1):127-33

Muscle ultrastructural characteristics of elite powerlifters and bodybuilders. MacDougall JD, et al. **Eur J Applied Physiol** 1982;48(1):117-26

Differentiated perceptions of exertion and energy cost of young women while carrying loads. Robertson RJ, et al. **Eur J Applied Physiol** 1982;49(1):69-78

The contribution of basketball to the development of some psychological qualities of professional relevance. Kulinsky L, et al. **Folia Med (Plovdiv)** 1981;23(2):63-6

Some 'sporting' injuries. Kendrick RW. **Int J Oral Surg** 1981; 10(Suppl 1):245-7

Individual assessment procedures for multihandicapped and implementation of a sports program. Bergel RR. **Int J Rehabil Res** 1981;4(3):365-78

Ocular sports injuries. Standards of protection and prevention. I. Applications of protective principles from industry. Keeney AH. **Int Ophthalmol Clin** 1981 Winter; 21(4):163-9

Eye injuries in hockey. Pashby TH. **Int Ophthalmol Clin** 1981 Winter;21(4):59-86

National Athletic Injury/Illness Reporting System: eye injuries in college wrestling. Powell JW. **Int Ophthalmol Clin** 1981 Winter;21(4):47-58

Contact lenses for athletes. Weis DR. **Int Ophthalmol Clin** 1981 Winter;21(4):139-48

Dislocation of the proximal tibio-fibular joint--a soccer injury? O'Rourke SK, et al. **Ir J Med Sci** 1982 Feb; 151(2):53-4

Cervical spine injuries in rugby football. O'Carroll PF, et al. **Ir Med J** 1981 Dec;74(12):377-9

Mental preparation for athletic competition. Shatz M. **J Am Coll Health Assoc** 1981 Dec;30(3):143-4

An in-skate training brace for young beginning ice skaters. Hunter WN, et al. **J Am Podiatry Assoc** 1981 Nov; 71(11):643-5

Measurement of pedal loading in bicycling: II. Analysis and results. Davis RR, et al. **J Biomech** 1981;14(12):857-72

Dynamics of the pole vault. Hubbard M. **J Biomech** 1980; 13(11):965-76

Measurement of pedal loading in bicycling: I. Instrumentation. Hull ML, et al. **J Biomech** 1981; 14(12):843-56

Why sliding seats and short stroke intervals are used for racing shells. Senator M. **J Biomech Eng** 1981 Aug; 103(3):151-9

Biochemical variability in a tem sports situation. Biersner RJ, et al. **J Human Stress** 1981 Sep;7(3):12-7

The effects of detraining on an elite power lifter. A case study. Staron RS, et al. **J Neurol Sci** 1981 Aug;51(2):247-57

Effect of anabolic treatment on the serum levels of gonadotropins, testosterone, prolactin, thyroid hormones and myoglobin of male athletes under physical training. Clerico A, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep; 25(3):79-88

Athletes score a hit with kids in grades four through eight. McDermott RJ, et al. **J Sch Health** 1982 Feb;52(2):94-6

Some observations on strength training and assessment. Gregory LW. **J Sports Med Phys Fitness** 1981 Jun; 21(2):130-7

Sudden death and physical exertion. Keren G, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):90-3

Effects of frequency of weight training on muscle strength enhancement. McKenzie Gillam G. **J Sports Med Phys Fitness** 1981 Dec;21(4):432–6

A scientific explanation for Eric Heiden's unique Olympic performance. Morris AF. **J Sports Med Phys Fitness** 1981 Jun;21(2):156–9

The effects of competitive road-racing on the body composition, pulmonary function, and cardiovascular system of sport cyclists. Perez HR. **J Sports Med Phys Fitness** 1981 Jun;21(2):165–72

Selected fitness parameters of college female lacrosse players. Schmidt MN, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):282–90

The veteran athlete. An exercise testing electrocardiographic, thorax x-ray and echocardiographic study. Serra Grima JR, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):122–9

A study of age and participation in different physical activities. Sodhi HS. **J Sports Med Phys Fitness** 1981 Jun; 21(2):150–5

A physiological profile of the Canadian judo team. Taylor AW, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):160–4

Factors predisposing to sports injury in school boy rugby players. Watson AW. **J Sports Med Phys Fitness** 1981 Dec; 21(4):417–22

Biorhythms and sports. Wright ML. **J Sports Med Phys Fitness** 1981 Mar;21(1):74–80

Self-concept and injuries among female high school basketball players. Young ML, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):55–61

Judo nephropathy: trauma versus non-trauma. De Meersman RE, et al. **J Trauma** 1982 Feb;22(2):150–2

An outbreak of hepatitis B in members of a high school sumo wrestling club. Kashiwagi S, et al. **JAMA** 1982 Jul 9; 248(2):213–4

Kinetic differences of two volleyball jumping techniques. Coutts KD. **Med Sci Sports Exerc** 1982;14(1):57–9

A biomechanical study of the triple jump. Fukashiro S, et al. **Med Sci Sports Exerc** 1981;13(4):233–7

A comparison of combined running and weight training with circuit weight training. Gettman LR, et al. **Med Sci Sports Exerc** 1982;14(3):229–34

Long-term Holter ECG monitoring of athletes. Hanne-Paparo N, et al. **Med Sci Sports Exerc** 1981; 13(5):294–8

Left ventricular size in competitive weight lifters: an echocardiographic study. Menapace FJ, et al. **Med Sci Sports Exerc** 1982;14(1):72–5

Summation of segmental velocities in the golf swing. Milburn PD. **Med Sci Sports Exerc** 1982;14(1):60–4

The body composition and physical dimensions of 9- to 12-year-old experienced wrestlers. Sady SP, et al. **Med Sci Sports Exerc** 1982;14(3):244–8

Body composition and somatotype characteristics of junior Olympic athletes. Thorland WG, et al. **Med Sci Sports Exerc** 1981;13(5):332–8

Road-racing strategies. Townsend MA. **Med Sci Sports Exerc** 1982;14(3):235–43

Safety in hockey: cage versus molded masks for goalies, protective helmets for referees. Galbraith RF. **Minn Med** 1981 Nov;64(11):671–3

Weight certification for high school wrestlers [letter] Sudmeier RD. **Minn Med** 1982 Jul;65(7):416

The hunting veterinarian. Wolff N. **Mod Vet Pract** 1981 Nov; 62(11):825–8

Hazards of aluminum bats [letter] Strauss RH, et al. **N Engl J Med** 1982 Sep 23;307(13):829

Rugby injury survey 1979. Inglis GS, et al. **NZ Med J** 1981 Nov 11;94(695):349–50

Cervical spine injuries resulting from collision sports. Kewalramani LS, et al. **Paraplegia** 1981;19(5):303–12

Relationship of disembedding ability to performance in volleyball, tennis, and badminton. Docherty D, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1219–24

Relationship between depth perception and basketball-shooting performance over a competitive season. Isaacs LD. **Percept Mot Skills** 1981 Oct;53(2):554

Physiological and psychological characteristics associated with women's participation in intercollegiate athletics. Renfrow NE, et al. **Percept Mot Skills** 1981 Aug;53(1):90

Lacerations in Rugby Union football. Durkin TE. **Practitioner** 1981 Jul;225(1357):1043–44

Effects of three resistance training programs on muscular strength and absolute and relative endurance. Anderson T, et al. **Res Q Exerc Sport** 1982 Mar;53(1):1–7

Effectiveness of the slide and cross-over steps in volleyball blocking--a temporal analysis. Cox RH, et al. **Res Q Exerc Sport** 1982 Jun;53(2):101–7

Race and gender differences in children's socialization into sport. Greendorfer SL, et al. **Res Q Exerc Sport** 1981 Oct; 52(3):301–10

Responses to forces influencing cohesion as a function of player status and level of male varsity basketball competition. Gruber JJ, et al. **Res Q Exerc Sport** 1982 Mar; 53(1):27–36

Response time comparisons among four base running starting techniques in slow pitch softball. Israel RG, et al. **Res Q Exerc Sport** 1981 Oct;52(3):324–9

Theoretical analysis of aggressive golf putts. Mahoney JF. **Res Q Exerc Sport** 1982 Jun;53(2):165–71

A biomechanical analysis of the effects of two paddle types on performance in north american canoe racing. Nolan GN, et al. **Res Q Exerc Sport** 1982 Mar;53(1):50–7

A probabilistic model for evaluation of volleyball scoring systems. Pfeifer PE, et al. **Res Q Exerc Sport** 1981 Oct; 52(3):330–8

Body composition of Olympic speed skating candidates. Pollock ML, et al. **Res Q Exerc Sport** 1982 Jun;53(2):150–5

Physiological and anatomical characteristics of outstanding female junior tennis players. Powers SK, et al. **Res Q Exerc Sport** 1982 Jun;53(2):172–5

A psychophysiological assessment of elite wrestlers. Silva JM 3d, et al. **Res Q Exerc Sport** 1981 Oct;52(3):348–58

Reaction time and anticipation time: effects of development. Thomas JR, et al. **Res Q Exerc Sport** 1981 Oct;52(3):359–67

An alumni oriented approach to sport management curriculum design using performance ratings and a regression model. Ulrich D, et al. **Res Q Exerc Sport** 1982 Mar;53(1):64–72

Changes in certain metabolic parameters in horses associated with food deprivation and endurance exercise. Rose RJ, et al. **Res Vet Sci** 1982 Mar;32(2):198–202

'Crashing' the rugby scrum -- an avoidable cause of cervical spinal injury. Case reports. Scher AT. **S Afr Med J** 1982 Jun 12;61(24):919–20

Muscle fibre composition and glycogen depletion in horses competing in an endurance ride. Snow DH, et al. **Vet Rec** 1981 Apr 25;108(17):374–8

A risk of waterskiing for women [letter] Gray HH. **West J Med** 1982 Feb;136(2):169

[Nutrition problems of weight-lifters in training (author's transl)] Chen GD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan;16(1):18–22 (Eng. Abstr.) **(Chi)**

[The year 1980—the year of the Czechoslovak Spartakiad and Moscow Olympiad (author's transl)] Rouš J. **Cas Lek Cesk** 1981 Apr 23;120(16):465–9 (Eng. Abstr.) **(Cze)**

[Physical exertion and athletic participation in patients with eye diseases] Römhild H. **Cesk Oftalmol** 1982 May; 38(3):176–83 **(Cze)**

[Status of the circulatory system in hikers from 40 to 67 years of age participating in long hikes] Vizinová H. **Vnitr Lek** 1981 Aug;27(8):779–85 (Eng. Abstr.) **(Cze)**

[The year of the handicapped] Biering-Sørensen F, et al. **Ugeskr Laeger** 1982 Feb 1;144(5):345–8 **(Dan)**

[Patterns of injuries in Danish division soccer] Jørgensen U. **Ugeskr Laeger** 1981;143(34):2185–8 (Eng. Abstr.) **(Dan)**

[Apophyseolysis of the ischiac tuberosity] Meurman K. **Duodecim** 1981;97(17):1414–6 **(Fin)**

[Determination of the effectiveness of certain physical conditioning apparatuses for development of muscle quality] Lagassé P, et al. **Can J Appl Sport Sci** 1982 Mar; 7(1):29–35 (Eng. Abstr.) **(Fre)**

[Decision making by intercollegiate basketball players] Proteau L, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):127–33 (Eng. Abstr.) **(Fre)**

[Comparative study of the performance of leather and plastic skate boots] Roy B, et al. **Can J Appl Sport Sci** 1982 Mar; 7(1):45–8 (Eng. Abstr.) **(Fre)**

[Criteria for physical fitness] Arndt KH. **Beitr Orthop Traumatol** 1981 Sep;28(9):469–77 (Eng. Abstr.) **(Ger)**

[Physical training in patients with coronary disease. Indication, methods, extent] Rost R. **Dtsch Med Wochenschr** 1981 Nov 27;106(48):1624–5 **(Ger)**

[Does sport protect against myocardial infarct?] Wirth A. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):403–5 **(Ger)**

[Sports and leisure activity. Results from 10 single studies in Switzerland] Biener K. **Fortschr Med** 1982 Feb 4; 100(5):179–82 **(Ger)**

[Dangers of swimming and surfing] Rosemeyer B. **Fortschr Med** 1982 Jul 1;100(25):1173–4 **(Ger)**

[Drugs and addictive behavior. Possibilities of sport therapy] Glatthaar GW. **MMW** 1982 Feb 19;124(7):143–7 (Eng. Abstr.) **(Ger)**

[Practical sports medicine. Part 14. Ambulatory coronary groups. Exercise therapy and sports with special reference to closed training groups. Part II: Structure and creation of the groups] Lagerstrm D, et al. **MMW** 1981 Dec 4; 123(49):57–64 **(Ger)**

[Practical sports medicine. Part 1. Sports as therapy] Pabst A, et al. **MMW** 1981 Sep 4;123(36):47–50 **(Ger)**

[Practical sports medicine. Part 5. Physical fitness of children and adolescents] Pabst H. **MMW** 1981 Oct 2;123(40):62–6 **(Ger)**

[Practical sports medicine. Part 11. Loosening and warming up exercises] Pabst H. **MMW** 1981 Nov 13;123(46):67–73 **(Ger)**

[Myocardial infarction while windsurfing (author's transl)] Schmid P, et al. **MMW** 1981 Sep 18;123(38):1417–9 (Eng. Abstr.) **(Ger)**

[General sports: a wasteland of sports medicine care] Sehrt U. **MMW** 1982 Apr 16;124(15):104–5 **(Ger)**

[Organization of leisure time for adolescents as social therapy. Organized work with adolescents demonstrated in juvenile sports] Wenger D. **Off Gesundheitswes** 1982 Feb; 44(2):107–10 **(Ger)**

[Sport therapy with psychiatric patients (author's transl)] Deimel H. **Psychiatr Prax** 1980 May;7(2):97–103 (Eng. Abstr.) **(Ger)**

[Sports for health of women. A physiological performance and sociological study] Messing M, et al. **Rehabilitation (Bonn)** 1981;34(1-2):1–12 (Eng. Abstr.) **(Ger)**

[The value of sports in the prevention and rehabilitation of coronary disease] Aigner A. **Wien Med Wochenschr** 1981 Dec 31;131(23-24):566–70 (21 ref.) **(Ger)**

[Sports show support inlays. A biomechanical comparison of three different types of arch support (author's transl)] Nigg BM, et al. **Z Orthop** 1982 Feb;120(1):34–9 (Eng. Abstr.) **(Ger)**

[The role of sports in preparation for an active age (author's transl)] Loock R. **ZFA (Dresden)** 1981;36(3):235–40 (Eng. Abstr.) **(Ger)**

[Is premature gonarthrosis caused by athletic stress in the sports of judo and wrestling to be expected?] Riepenhausen U. **ZFA (Dresden)** 1982;37(2):121–3 **(Ger)**

[Cardiovascular screening test of athletes playing baseball] Galetta F, et al. **Boll Soc Ital Cardiol** 1981;26(5):445–9 **(Ita)**

[A case of post-traumatic cyst of the semitendinosus muscle] Campi A. **Chir Organi Mov** 1979 Sep-Oct;65(5):593–6 **(Ita)**

[Paramorphism and the sport of volley ball] Fraccaroli G. **Minerva Med** 1981 Dec 22;72(51):3551–4 (Eng. Abstr.) **(Ita)**

[Therapeutic benefit of sports in the treatment of drug addicts] Santinelli C. **Riv Med Aeronaut Spaz** 1981 Jan-Jun; 45(1-2):112–6 (Eng. Abstr.) **(Ita)**

[X-ray study of the loaded portions of the skeleton of the upper extremities in athletes engaged in karate] Antonov SG, et al. **Arkh Anat Gistol Embriol** 1982 May;82(5):71–7 (Eng. Abstr.) **(Rus)**

[Hygienic basis of air exchange in enclosed sports facilities] Ivlev VI. **Gig Sanit** 1981 Oct;(10):87–8 **(Rus)**

[New State Standard 'Hygienic Requirements for Water Recreational Areas' (17.1.5.02—80)] Mozhaev EA, et al. **Gig Sanit** 1982 Apr;(4):25–7 (Eng. Abstr.) **(Rus)**

[Hygienic basis of the lesson regimen for young soccer players in the sports classes of general education schools] Sukharev AG, et al. **Gig Sanit** 1982 Mar;(3):26–9 (Eng. Abstr.) **(Rus)**

[More attention to physical training and sports] Pronin AA. **Voen Med Zh** 1982 May;(5):8–11 **(Rus)**

[Traumatic dislocation of the metatarsophalangeal joints (author's transl)] Maar D. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):466–7 (Eng. Abstr.) **(Slo)**

[Injuries in women's soccer. The ankle joint and the knees are the weak points in the female players] Lewerentz H. **Lakartidningen** 1981 Dec 2;78(49):4448–50 (Eng. Abstr.) **(Swe)**

[A training program for the prevention of injuries to reduce soccer injuries by 75 per cent] Ekstrand J. **Nord Med** 1982 Jun;97(6-7):164–5 (Eng. Abstr.) **(Swe)**

HISTORY

The philosophy of exercise. Merikas G. **Curr Probl Clin Biochem** 1982;11:13–23

[Skiing in the History of Medicine - 90th anniversary of the beginnings of skiing in the Czecho-Moravian highlands (author's transl)] Daněk K. **Cas Lek Cesk** 1982 Apr 9; 121(14):437–40 **(Cze)**

SPORTS MEDICINE

see related
ATHLETIC INJURIES
PROTECTIVE DEVICES

Patellar tendinitis: pathology and results of treatment. Martens M, et al. **Acta Orthop Scand** 1982 Jun;53(3):445–50

The inner ear and hyperbaric conditions. An electrophysiological and morphological study. Levendag PC, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;382:1–110

Chronoendocrinological studies in athletes. III. Certain psychoendocrinological correlations. Dobrzański T, et al. **Acta Physiol Pol** 1981 Sep-Oct;32(5):521–7

Chromoendocrinological studies in athletes. IV. Multiple hormonal responses to submaximal muscular exercise. Dobrzański T, et al. **Acta Physiol Pol** 1981 Sep-Oct; 32(5):529–36

Some health care needs of young athletes. Smith NJ. **Adv Pediatr** 1981;28:187–228 (15 ref.)

Biobehavioral changes in prolonged competitive stress observations of Iditarod trail sled dog mushers. Stillner V, et al. **Alaska Med** 1982 Jan-Feb;24(1):1–6

T wave changes associated with training in women swimmers. Lamont LS. **Am Correct Ther J** 1981 Nov-Dec; 35(6):155–8

Factors affecting the symmetry of muscular work output of the knee. Robertson LD. **Am Correct Ther J** 1982 May-Jun; 36(3):71–6

Evaluating the sport scuba diver. Szasz MS, et al. **Am Fam Physician** 1982 May;25(5):131–4

Presidential address of the American Orthopaedic Society for Sports Medicine. Larson RL. **Am J Sports Med** 1981 Nov-Dec;9(6):349–51

Kinesiology. II. A practical discussion of certain muscle actions in a few illustrative sports activities. Miller WE. **Am J Sports Med** 1981 Nov-Dec;9(6):405–8

A county sports medicine committee. The Albuquerque experience. Sweetser ER, et al. **Am J Sports Med** 1982 May-Jun;10(3):184–7

Hodgkin's disease, hypothyroidism, and hyperthermia [letter] Arkel YS, et al. **Ann Intern Med** 1982 May;96(5):682

Preventing severe heat injury in runners: suggestions from

the 1979 Peachtree Road Race experience. England AC 3d, et al. **Ann Intern Med** 1982 Aug;97(2):196–201
Spontaneous exercise testing: running as an early unmasker of underlying cardiac amyloidosis. Siegel RJ, et al. **Arch Intern Med** 1982 Feb;142(2):345
Sudden death in young athletes. Tsung SH, et al. **Arch Pathol Lab Med** 1982 Apr;106(4):168–70
Ambulatory electrocardiographic recording in endurance athletes. Viitasalo MT, et al. **Br Heart J** 1982 Mar; 47(3):213–20
Echocardiographic dimensions and maximal oxygen uptake in oarsmen during training. Wieling W, et al. **Br Heart J** 1981 Aug;46(2):190–5
Amenorrhea in athletes. Jacobs HS. **Br J Obstet Gynaecol** 1982 Jul;89(7):498–500
Society of Sports Sciences. Abstracts of papers presented at Loughborough University of Technology. Saturday, 3rd April, 1982. **Br J Sports Med** 1982 Jun;16(2):107–17
Canoeists' disorientation following cold immersion. Baker S, et al. **Br J Sports Med** 1981 Jun;15(2):111–5
A nutritional study of Irish athletes. Barry A, et al. **Br J Sports Med** 1981 Jun;15(2):99–109
Maximal anaerobic power in national level Indian players. Bhanot JL, et al. **Br J Sports Med** 1981 Dec;15(4):265–8
Post-competition blood lactate concentrations in competitive track cyclists. Burke ER, et al. **Br J Sports Med** 1981 Dec; 15(4):242–5
Case report: an athlete runs through his asthma. Chandran PS, et al. **Br J Sports Med** 1982 Mar;16(1):53–7
Physical efficiency tests on Indian male 'Kabaddi' inter-university players. De AK, et al. **Br J Sports Med** 1982 Mar;16(1):33–6
A comparison of heart rate responses in racquet games. Docherty D. **Br J Sports Med** 1982 Jun;16(2):96–100
Sudden, unexpected death in sport [letter] Fentem PH. **Br J Sports Med** 1981 Jun;15(2):135
Management of pain beneath the heel and Achilles tendonitis with visco-elastic heel inserts. MacLellan GE, et al. **Br J Sports Med** 1981 Jun;15(2):117–21
Sports medicine–health care information–supply and demand. Markee KM. **Br J Sports Med** 1981 Dec;15(4):224–8
Physiological, psychological and performance measures during an endurance record for 5-a-side soccer play. Reilly T, et al. **Br J Sports Med** 1981 Jun;15(2):122–8
Seasonal changes in cyclists' performance. Part II. The British Olympic track squad. White JA, et al. **Br J Sports Med** 1982 Mar;16(1):13–21
Seasonal changes in cyclists' performance. Part I. The British Olympic road race squad. White JA, et al. **Br J Sports Med** 1982 Mar;16(1):4–12
General practitioner to a football club. Carne S. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):766–7
Acetazolamide in prevention of acute mountain sickness: a double-blind controlled cross-over study. Greene MK, et al. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):811–3
Resting pulse rate in marathon runners. Khosla T, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1444
Total body fat content in a group of professional football players. Adams J, et al. **Can J Appl Sport Sci** 1982 Mar; 7(1):36–40
The onset of menarche: a late event in pubertal progression to be affected by physical training. Brisson GR, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):61–7
Exercise effect upon plasma melatonin levels in women: possible physiological significance. Bullen BA, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):90–7
Hierarchy of changes induced by fatigue in sprinting. Chapman AE. **Can J Appl Sport Sci** 1982 Jun;7(2):116–22
Exercise during pregnancy: effects on the fetus. Dale E, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):98–103
Implications of nutrition in athletes' menstrual cycle irregularities. Dale E, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):74–8
Limitations to exercise capacity and endurance: pulmonary system. Dempsey J, et al. **Can J Appl Sport Sci** 1982 Mar; 7(1):4–13
Mitral valve prolapse in a runner. Dodek A. **Can J Appl Sport Sci** 1982 Jun;7(2):134–7
Peripheral factors as limitations to exercise capacity. Gollnick PD. **Can J Appl Sport Sci** 1982 Mar;7(1):14–21
Hormonal and physiological responses to exercise in relation to the menstrual cycle. Jurkowski JE. **Can J Appl Sport Sci** 1982 Jun;7(2):85–9
Limitations of concentration measurements for evaluation of endocrine status of exercising women. Keizer HA, et al. **Can J Appl Sport Sci** 1982 Jun;7(2):79–84
Menstrual irregularity in athletes: basic principles, evaluation, and treatment. Shangold MM. **Can J Appl Sport Sci** 1982 Jun;7(2):68–73
The university sports medicine program. Gossling HR, et al. **Conn Med** 1981 Oct;45(10):619–20
Secondary school sportsmedicine. On providing optimal care for the interscholastic athlete. Zlotsky NA. **Conn Med** 1981 Oct;45(10):625–8
The dermatological hazards of bowling. Contact dermatitis to resin in a bowlsgrip. Blair C. **Contact Dermatitis** 1982 Mar;8(2):138–9
Exercise–induced proteinuria. Campanacci L, et al. **Contrib Nephrol** 1981;26:31–41
Nutrition and the adolescent athlete. Smith NJ. **Curr Concepts Nutr** 1982;11:63–70
Absorption and excretion of cyanuric acid in long-distance swimmers. Allen LM, et al. **Drug Metab Rev** 1982; 13(3):499–516
Oxygen consumption during outdoor recreational cycling. van Baak MA, et al. **Ergonomics** 1981 Sep;24(9):725–33
Physiological profiles of representative women softball, hockey and netball players. Withers RT, et al. **Ergonomics** 1981 Aug;24(8):583–91
The relationship of left ventricular function and mass in arterial hypertension. An echo and apexcardiographic comparison with sportsmen and controls. Purfürst WD, et al. **Eur Heart J** 1982 Apr;3 Suppl A:119–23
The athlete's heart. Rost R. **Eur Heart J** 1982 Apr;3 Suppl A:193–8
Isokinetic strength, endurance, and fiber type composition in elite American paddlers. Clarkson PM, et al. **Eur J Applied Physiol** 1982;48(1):67–76
Anaerobic and aerobic power of top athletes. Crielaard JM, et al. **Eur J Applied Physiol** 1981;47(3):295–300
Maximal working capacity of two professional groups in North Sumatra (Indonesia). Effendi H, et al. **Eur J Applied Physiol** 1982;48(2):207–13
Maximum isokinetic ankle plantar and dorsal flexion torques in trained subjects. Fugl-Meyer AR. **Eur J Applied Physiol** 1981;47(4):393–404
Skeletal muscle properties and performance in elite female track athletes. Gregor RJ, et al. **Eur J Applied Physiol** 1981; 47(4):355–64
Muscle cell leakage due to long distance training. Hansen KN, et al. **Eur J Applied Physiol** 1982;48(2):177–88
Physiological and metabolic effects of a 25 km race in female athletes. Haralambie G, et al. **Eur J Applied Physiol** 1981; 47(2):123–31
Biochemical changes in a 100 km run: carbohydrates, lipids, and hormones in serum. Keul J, et al. **Eur J Applied Physiol** 1981;47(2):181–9
Effect of sleep deprivation on tolerance of prolonged exercise. Martin BJ. **Eur J Applied Physiol** 1981; 47(4):345–54
VO2 peak during free swimming using the backward extrapolation of the O2 recovery curve. Montpetit RR, et al. **Eur J Applied Physiol** 1981;47(4):385–91
Plasma volume and blood metabolites in middle-aged runners during a warm-weather marathon. Myhre LG, et al. **Eur J Applied Physiol** 1982;48(2):227–40
Effect of maximal oxygen uptake and different forms of physical training on serum lipoproteins. Schnabel A, et al. **Eur J Applied Physiol** 1982;48(2):263–77
Electromechanical behaviour of human muscles in vertical jumps. Viitasalo JT, et al. **Eur J Applied Physiol** 1982; 48(2):253–61
Adult age trends in athletic performances. Stones MJ, et al. **Exp Aging Res** 1981 Fall;7(3):269–80
Menstrual dysfunction and hormonal status in athletic women: a review. Baker ER. **Fertil Steril** 1981 Dec; 36(6):691–6 (35 ref.)
Aquatic medicine in Hawaii. Kizer KW. **Hawaii Med J** 1981 Nov;40(11):325
Metabolic effects of catecholamines in athletes during bicycle exercise of different intensity. Bol'shakova TD, et al. **Hum Physiol** 1981 Jul-Aug;7(4):300–5
The role of the team physician in school athletics. Noble HB, et al. **IMJ** 1982 Feb;161(2):112–3
International conference on sports medicine 1981. 'Muscle in sports medicine.' Utrecht, The Netherlands, March 23–26, 1981. Abstracts. **Int J Sports Med** 1981 Aug; 2(3):182–99
International Conference on Sports Medicine. Muscle in sports. 23.–26. March 1981. Utrecht, The Netherlands. **Int J Sports Med** 1982 Feb;3 Suppl 1:1–77
Effects of ultra-marathon training and racing on hematologic parameters and serum ferritin levels in well-trained athletes. Dickson DN, et al. **Int J Sports Med** 1982 May; 3(2):111–7
Serum ferritin, transferrin, haptoglobin, and iron in middle- and long-distance runners, elite rowers, and professional racing cyclists. Dufaux B, et al. **Int J Sports Med** 1981 Feb;2(1):43–6
Plasma lipoproteins and physical activity. Dufaux B, et al. **Int J Sports Med** 1982 Feb;3 Suppl 1:58–60
Muscle in sports medicine--nutrition and muscular performance. Durnin JV. **Int J Sports Med** 1982 Feb;3 Suppl 1:52–7
Relationship of strength and endurance with skeletal muscle structure and metabolic potential. Gollnick PD. **Int J Sports Med** 1982 Feb;3 Suppl 1:26–32
Isokinetic training. Grimby G. **Int J Sports Med** 1982 Feb; 3 Suppl 1:61–4
Sudden cardiac death during vigorous exercise. Haskell WL. **Int J Sports Med** 1982 Feb;3 Suppl 1:45–8
Frequency of intensive, prolonged exercise as a determinant of relative coronary circumference index. Haslam RW, et al. **Int J Sports Med** 1982 May;3(2):118–21
Running performance as a function of the dose-response relationship to beta-adrenoceptor blockade. Kaiser P. **Int J Sports Med** 1982 Feb;3(1):29–32
The athlete's heart--haemodynamics and structure. Keul J, et al. **Int J Sports Med** 1982 Feb;3 Suppl 1:33–43
Steroid hormones in sports. Special reference: sex hormones and their derivatives. Lucking MT. **Int J Sports Med** 1982 Feb;3 Suppl 1:65–7
Ventilatory endurance in athletes: a family study. Martin BJ, et al. **Int J Sports Med** 1982 May;3(2):100–4
Selection of talented female gymnasts, aged 8 to 11, on the basis of motor abilities with special reference to balance: a retrospective study. Peltenburg AL, et al. **Int J Sports Med** 1982 Feb;3(1):37–42
Serum FSH, LH, and testosterone in humans after physical exercise. Schmid P, et al. **Int J Sports Med** 1982 May; 3(2):84–9
Comparison of prolonged exercise tests at the individual anaerobic threshold and the fixed anaerobic threshold of 4 mmol.l(–1) lactate. Stegmann H, et al. **Int J Sports Med** 1982 May;3(2):105–10
Effect of training specificity on maximal treadmill and bicycle ergometer exercise. Verstappen FT, et al. **Int J Sports Med** 1982 Feb;3(1):43–6
Independence of physical working capacity from increased glucocorticoid level during short-term exercises. Viru A, et al. **Int J Sports Med** 1982 May;3(2):80–3
Influence of training and anabolic steroids on the LDH isozyme pattern of skeletal and heart muscle fibers of guinea pigs. Weicker H, et al. **Int J Sports Med** 1982 May;3(2):90–6
Characterizing O2 uptake response kinetics during exercise. Whipp BJ, et al. **Int J Sports Med** 1982 May;3(2):97–9
Divergent views: can dental therapy enhance athletic performance? Jakush J. **J Am Dent Assoc** 1982 Mar; 104(3):292–8
Optometry at the 1980 Winter Olympics. Erenstone R, et al. **J Am Optom Assoc** 1981 Aug;52(8):647–9
Etiology of atraumatic medial knee pain. Blake RL, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):580–3
A physiological comparison of young and older endurance athletes. Heath GW, et al. **J Appl Physiol** 1981 Sep; 51(3):634–40
Sympathetic and parasympathetic cardiac control in athletes and nonathletes at rest. Katona PG, et al. **J Appl Physiol** 1982 Jun;52(6):1652–7
Noninvasive assessment of T-wave abnormalities on precordial electrocardiograms in middle-aged professional bicyclists. Nishimura T, et al. **J Electrocardiol** 1981 Oct; 14(4):357–64
Leg pains in athletes. Gordon G. **J Foot Surg** 1979 Summer; 18(2):55–8
Subacute anterior tibial compartment syndrome. Stefl DJ, et al. **J Foot Surg** 1981 Winter;20(4):258–61
Metabolic observations on Caucasian men and women aged 17 to 88 years. Dill DB, et al. **J Gerontol** 1982 Sep; 37(5):565–71
Biochemical variability in a tem sports situation. Biersner RJ, et al. **J Human Stress** 1981 Sep;7(3):12–7
Non-traumatic fatalities in sportsworld [editorial] Ghosh A. **J Indian Med Assoc** 1982 Feb 16;78(4):74
Ethnic aspects of boxing and the ringside physician. Williams PT. **J Med Soc NJ** 1981 Sep;78(10):654–6
Mechanics of competition walking. Cavagna GA, et al. **J Physiol (Lond)** 1981 Jun;315:243–51
An alternative scaling model for the prediction of body density in female athletes. Faria I, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):336–41
Prediction of body density, fat weight, and lean body mass in male athletes. Mayhew JL, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):383–9
The effects of iron supplementation on female cross country runners. Plowman SA, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):407–16
Storage of biological events by means of a phase locked loop system. von Nettelhorst H, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):43–8
Ventricular repolarization disturbances in athletes: standardization of terminology, ethiopathogenetic spectrum and pathophysiological mechanisms. Zeppilli P, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):322–35
Elevated CK-MB levels in marathon runners [letter] **JAMA** 1982 May 7;247(17):2368–9
High-density lipoprotein-cholesterol in marathon runners during a 20-day road race. Dressendorfer RH, et al. **JAMA** 1982 Mar 26;247(12):1715–7
Hypernatremia induced by maximal exercise. Felig P, et al. **JAMA** 1982 Sep 10;248(10):1209–11
Delayed menarche and amenorrhea of college athletes in relation to age of onset of training. Frisch RE, et al. **JAMA** 1981 Oct 2;246(14):1559–63
Premature bone loss found in some nonmenstruating sportswomen [news] González ER. **JAMA** 1982 Aug 6; 248(5):513–4
Clarification of transient ischemic attack [letter] Gorelick PB. **JAMA** 1981 Oct 2;246(14):1548
Symptomatic coronary artery disease in a marathon runner. Handler JB, et al. **JAMA** 1982 Aug 13;248(6):717–9
An outbreak of hepatitis B in members of a high school sumo wrestling club. Kashiwagi S, et al. **JAMA** 1982 Jul 9; 248(2):213–4
Delayed age of menarche of athletes [letter] Malina RM. **JAMA** 1982 Jun 25;247(24):3312–3
Food allergy in runners [letter] Noakes TD. **JAMA** 1982 Mar 12;247(10):1406
Reproductive function in women athletes [editorial] Rebar RW, et al. **JAMA** 1981 Oct 2;246(14):1590
Elevated creatine kinase MB isoenzyme levels in marathon runners. Normal myocardial scintigrams suggest noncardiac source. Siegel AJ, et al. **JAMA** 1981 Nov 6; 246(18):2049–51
The effects of running mileage and duration on plasma lipoprotein levels. Williams PT, et al. **JAMA** 1982 May

21;247(19):2674–9
The sport diving employee. Milroy WC. **JOM** 1982 Apr; 24(4):295–8
Running, jumping, and...amenorrhoea [editorial] **Lancet** 1982 Sep 18;2(8299):638–40
Blood and sports [editorial] **Lancet** 1981 Oct 17;2(8251):847–8
Marathon running and creatine kinase levels [letter] **Lancet** 1982 Jul 17;2(8290):154–5
How dangerous are ski marathons? [letter] Hoffmann A, et al. **Lancet** 1982 Jan 23;1(8265):232
Creatine kinase isoenzyme activities in marathon runners [letter] Kaste M, et al. **Lancet** 1982 Aug 7;2(8293):327–8
Creatine kinase and its isoenzymes in skeletal muscle of athletes [letter] Kettunen P, et al. **Lancet** 1982 Sep 11; 2(8298):611
Increased brain-type creatine phosphokinase in marathon runners [letter] Phillips J, et al. **Lancet** 1982 Jun 5; 1(8284):1310
Reversible luteal phase changes and infertility associated with marathon training [letter] Prior JC, et al. **Lancet** 1982 Jul 31;2(8292):269–70
Creatine kinase MB in marathon runners [letter] Stansbie D, et al. **Lancet** 1982 Jun 19;1(8286):1413–4
Painless jogging for 15 000 km after a lumbosacral stabilisation with screws and cement. Graham CE. **Med J Aust** 1982 May 1;1(9):389
1982 American College of Sports Medicine Annual Meeting. May 26–29,1982, Minneapolis, Minnesota. Abstracts. **Med Sci Sports Exerc** 1982;14(2):103–82
Joint laxity in selected athletic populations. Brodie DA, et al. **Med Sci Sports Exerc** 1982;14(3):190–3
The effect of stride length variation on oxygen uptake during distance running. Cavanagh PR, et al. **Med Sci Sports Exerc** 1982;14(1):30–5
Cardiorespiratory responses to ballet exercise and the VO2max of elite ballet dancers. Cohen JL, et al. **Med Sci Sports Exerc** 1982;14(3):212–7
Serum high-density lipoprotein cholesterol in male and female Olympic athletes. Deshaies Y, et al. **Med Sci Sports Exerc** 1982;14(3):207–11
Physical training effects on muscle morphology in sedentary males at different ages. Larsson L. **Med Sci Sports Exerc** 1982;14(3):203–6
Endorphins and mood changes in long-distance running. Markoff RA, et al. **Med Sci Sports Exerc** 1982;14(1):11–5
Left ventricular size in competitive weight lifters: an echocardiographic study. Menapace FJ, et al. **Med Sci Sports Exerc** 1982;14(1):72–5
Echocardiographic dimensions determined in normally active college women and in female athletes [letter] Péronnet F, et al. **Med Sci Sports Exerc** 1982;14(3):181–2
Anaerobic and aerobic responses of males and females to rope skipping. Quirk JE, et al. **Med Sci Sports Exerc** 1982; 14(1):26–9
Relationship between power and sprint freestyle swimming. Sharp RL, et al. **Med Sci Sports Exerc** 1982;14(1):53–6
Perceived exertion and anaerobic threshold during the menstrual cycle. Stephenson LA, et al. **Med Sci Sports Exerc** 1982;14(3):218–22
Differentiated ratings of perceived exertion are influenced by high altitude exposure. Young AJ, et al. **Med Sci Sports Exerc** 1982;14(3):223–8
Nutrition and athletic performance. Smith NJ. **Med Times** 1981 Aug;109(8):92–107
Hypoglycemia during exercise [letter] **N Engl J Med** 1982 Sep 23;307(13):822–3
Hypoglycemia during prolonged exercise in normal men. Felig P, et al. **N Engl J Med** 1982 Apr 15;306(15):895–900
Jogging and suppression of ovulation [letter] O'Herlihy C. **N Engl J Med** 1982 Jan 7;306(1):50–1
Lack of effect of nonsteroidsal anti-inflammatory drugs on exercise-induced hyperkalemia [letter] Saris S, et al. **N Engl J Med** 1982 Aug 26;307(9):559–60
Creatine kinase MB isoenzyme among competitive swimmers [letter] Strauss RH, et al. **N Engl J Med** 1982 May 13; 306(19):1180
Sports candidates' questionnaire. **NY State J Med** 1981 Sep; 81(10):1548–9
The 1981 Outstanding Team Physician Awards. Clinger RD. **Ohio State Med J** 1981 Nov;77(11):649–51
Physical conditioning of the immature athlete. Stover CN. **Orthop Clin North Am** 1982 Jul;13(3):525–40
Delineating the roles of the sports physical therapist and the athletic trainer: five views. **Phys Ther** 1982 Sep; 62(9):1317–29
Sports medicine (2). Medical problems of long-distance swimming. Mason KD. **Practitioner** 1981 Aug; 225(1358):1165–8
Physiological and anatomical characteristics of outstanding female junior tennis players. Powers SK, et al. **Res Q Exerc Sport** 1982 Jun;53(2):172–5
A reliable method for the measurement of constant load maximal endurance performance on the bicycle ergometer. Weltman A, et al. **Res Q Exerc Sport** 1982 Jun;53(2):176–9
Sport and recreation for the severely disabled. Meyer CM. **S Afr Med J** 1981 Nov 28;60(22):868–71
[Effects of long-term basketball training on pupils' health (author's transl)] Ge CJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):342–4 **(Chi)**
[Statistical analysis of the electrocardiograms of 200 healthy young athletes, age 12–15 years (author's transl)] Jiang BM, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar; 16(2):77–80 (Eng. Abstr.) **(Chi)**
[Some metabolic changes in human physical performance and introduction of ergogenic substances (author's transl)] Chen RD. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):47–52 (45 ref.) **(Chi)**
[Dissecant osteochondrosis of the ankle joint (author's transl)] Grepl J, et al. **Acta Chir Orthop Traumatol Cech** 1982 Feb; 49(1):66–73 (Eng. Abstr.) **(Cze)**
[The effect of environment and physical exercise on red blood count in elite female swimmers (author's transl)] Lisý Z. **Cas Lek Cesk** 1982 Jan 22;121(3):74–7 (Eng. Abstr.) **(Cze)**
[Intensive physical training and its effect on the urine excretion of catecholamines and 17-OH corticoids during aerobic exercise on an ergometer (author's transl)] Veselková A, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):71–3 (Eng. Abstr.) **(Cze)**
[Physical exertion and athletic participation in patients with eye diseases] Römhild H. **Cesk Oftalmol** 1982 May; 38(3):176–83 **(Cze)**
[Risk factors in ischemic heart disease in long-distance hikers between 40 and 60 years of age] Vizinová H. **Vnitr Lek** 1982 Apr;28(4):341–7 (Eng. Abstr.) **(Cze)**
[Sports medicine] Thorseth K. **Ugeskr Laeger** 1981; 143(34):2189–90 **(Dan)**
[Acute cardiovascular complications and sports (author's transl)] Riviere A, et al. **Ann Cardiol Angeiol (Paris)** 1981 Nov;30(6):375–8 (38 ref.) (Eng. Abstr.) **(Fre)**
[Vectorcardiographic criteria of ventricular hypertrophy in a population of athletes] Chignon JC, et al. **Arch Mal Coeur** 1981 Sep;74(9):1099–105 (Eng. Abstr.) **(Fre)**
[Intense physical training of children and adolescents] Delmas MA. **Bull Acad Natl Med (Paris)** 1981 Jan; 165(1):121–6 **(Fre)**
[Final results of the activities of the work-shop on sports medicine and doping] Gounelle de Pontanel H. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):127–8 **(Fre)**
[Physiopathology of superficial venous circulation in athletes] Venerando A, et al. **Phlebologie** 1981 Apr-Jun;34(2):289–98 (Eng. Abstr.) **(Fre)**
[Dietary regimen and the periodontium in sports] Hitzig C, et al. **Rev Odontostomatol (Paris)** 1982 Jan-Feb;11(1):61–4 **(Fre)**
[Intensive sports practice and early alveolysis] Lamendin H, et al. **Rev Odontostomatol (Paris)** 1981 Jul-Oct; 10(4–5):305–13 (Eng. Abstr.) **(Fre)**
[Evidence that fatigue is a problem in sports medicine by the study of neuromuscular stimulation] de Bisschop G, et al. **Schweiz Z Sportmed** 1980;28(3):69–76 **(Fre)**
[Are sports contraindicated in metabolic diseases?] Wirth A, et al. **Med Klin** 1982 Jan 29;77(3):25–38 **(Ger)**
[As sports physician of the German National Ski Team. Insights and conclusions] Bär HW. **MMW** 1982 Feb 26; 124(8):189–91 **(Ger)**
[Sudden death of a young athlete] Dietz A, et al. **MMW** 1981 Sep 25;123(39):1463–5 **(Ger)**
[School sports and dispensation from school sports] Pabst A. **MMW** 1981 Oct 9;123(41):55–8 **(Ger)**
[Practical sports medicine. Part 2. Stress examination in general practice] Pabst H. **MMW** 1981 Sep 11;123(37):51–4 **(Ger)**
[Tips for athletes] Pabst H, et al. **MMW** 1981 Oct 16; 123(42):1593–5 **(Ger)**
[Practical sports medicine. Part 16. Arthrosis and sports. Part I: Physiology and pathophysiology] Pabst H. **MMW** 1981 Dec 18;123(51–52):41–5 **(Ger)**
[Practical sports medicine. Part 3. Physiological variants in the ECG of athletes. 1. Rate changes] Rost R, et al. **MMW** 1981 Sep 18;123(38):60–3 **(Ger)**
[Release and partial release from physical education. An aid for decision-making in school sports] Scholz W, et al. **Off Gesundheitswes** 1982 Mar;44(3):176–80 **(Ger)**
[Medical care of the Swiss Olympic Mission 1980] Fahrer H. **Schweiz Z Sportmed** 1981 Jun;29(2):60–6 (Eng. Abstr.) **(Ger)**
[Urethral injuries due to windsurfing] Senn E, et al. **Schweiz Z Sportmed** 1982 Mar;30(1):18–20 (Eng. Abstr.) **(Ger)**
[Diagnosis of muscle function using Janda's method. Results of and examination of skiers on the Swiss and Liechtenstein National Teams] Spring H. **Schweiz Z Sportmed** 1981 Dec; 29(4):143–6 (Eng. Abstr.) **(Ger)**
[Checking physical performance in general and sports practice] Brauer BM. **Z Arztl Fortbild (Jena)** 1981 Dec 15;75(24):1184–7 **(Ger)**
[Observations and significance of extrasystole in very young athletes] Rossini G, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):85–9 (Eng. Abstr.) **(Ita)**
[Initial observations in a cardiovascular poly-instrumental study of a homogeneous sample of young football players] Rossini G, et al. **Acta Biomed Ateneo Parmense** 1982; 53(2):75–7 (Eng. Abstr.) **(Ita)**
[Adaptation of the cardiovascuiar system to sports activity in volleyball players] Giusti C, et al. **Boll Soc Ital Cardiol** 1981;26(3):247–54 **(Ita)**
[Abnormalities of ventricular repolarization in athlete's heart. An association needing reconsideration] Zeppilli P. **G Ital Cardiol** 1981;11(3):380–7 **(Ita)**
[Mitral valve prolapse in an athletic population. Epidemiology, prevention and therapy of a pandemic] Zeppilli P. **G Ital Cardiol** 1982;11(11):1800–5 **(Ita)**
[Thermal and climatic indications in sports medicine] Rotondo G. **Riv Med Aeronaut Spaz** 1980 Jul–Dec; 43(3–4):199–211 (Eng. Abstr.) **(Ita)**
[Plasma catecholamines during maximal exercise in competitive skiers and cardiac patients (author's transl)] Minami M, et al. **Kokyu To Junkan** 1981 Jul;29(7):737–42 (Eng. Abstr.) **(Jpn)**
[Effect of sports on posture in schoolchildren] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):165–7 (Eng. Abstr.) **(Pol)**
[Electron microscopic study of signs of skeletal muscle fiber hyperplasia in athletes] Kondalenko VF, et al. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):66–70 (Eng. Abstr.) **(Rus)**
[Mineral saturation of the hand bones of adolescent and young adult boxers of Khabarovsk] Zemsha NV. **Arkh Anat Gistol Embriol** 1981 May;80(5):12–17 (Eng. Abstr.) **(Rus)**
[Effect of hypoxic training on rheoencephalographic indices of sportsmen] Krasnikov NP, et al. **Fiziol Zh** 1981 Sep–Oct; 27(5):709–12 **(Rus)**
[Significance of individual-typological properties of the nervous system in training high quality sportsmen] Sirotskiĭ VV, et al. **Fiziol Zh** 1982 May;28(3):274–8 **(Rus)**
[Energy expenditure of young athletes during certain functional states and muscle activity] Filippov MM, et al. **Gig Sanit** 1982;(1):23–5 (Eng. Abstr.) **(Rus)**
[Effectiveness of training young athletes by including vitamin and trace element supplements in the diet] Rusin VIa, et al. **Gig Sanit** 1982 Mar;(3):78–80 **(Rus)**
[Study of the immunological reaction of young athletes] Shubik VM. **Gig Sanit** 1981 Nov;(11):21–4 (Eng. Abstr.) **(Rus)**
[Hygienic problems of physical education and sports in light of the decision of the Central Committee of the CPSU and of the Council of Ministers of the USSR on 'Further Improvement in the Mass Involvement of the Population in Physical Education and Sports'] Sukharev AG. **Gig Sanit** 1982 Feb;(2):4–7 **(Rus)**
[Hygienic basis of the lesson regimen for young soccer players in the sports classes of general education schools] Sukharev AG, et al. **Gig Sanit** 1982 Mar;(3):26–9 (Eng. Abstr.) **(Rus)**
[Human auditory function during exposure to hyperbaric conditions] Lakhov FP. **Gig Tr Prof Zabol** 1982 Feb; (2):45–8 **(Rus)**
[Study of cardiac rhythm disorders in healthy men] Dembo AG, et al. **Kardiologiia** 1981 Oct;21(10):51–5 (Eng. Abstr.) **(Rus)**
[New developments in assessing myocardial dystrophy resulting from chronic physical overstrain in athletes] Zemtsovskiĭ EV, et al. **Kardiologiia** 1982 Apr;22(4):20–3 **(Rus)**
[Changes in 'Hageman factor system' indices during human adaptation to intensive physical loading] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):25–8 (Eng. Abstr.) **(Rus)**
[Types of reaction of the blood kallikrein-kinin system in the presence of various functional and pathologic changes in the body] Gomazkov OA, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):70–6 **(Rus)**
[Early diagnosis of the overexertion of the cardiovascular system in sportsmen] Kukes VG, et al. **Sov Med** 1982; (4):18–21 (Eng. Abstr.) **(Rus)**
[Bactericidal activity of the skin in athletes] Levin MIa. **Vestn Dermatol Venerol** 1982 May;(5):54–7 (Eng. Abstr.) **(Rus)**
[Relations between cardiac volume and internal size of the left ventricle in sportsmen] Belotserkovskiĭ ZB, et al. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):53–5 **(Rus)**
[Specialized acidophilus products in the nutrition of athletes] Brents MIa, et al. **Vopr Pitan** 1982 Mar–Apr;(2):18–21 (Eng. Abstr.) **(Rus)**
[Use of the oxygen cocktail for stimulating recovery processes in athletes] Dubrovskiĭ VI, et al. **Vopr Pitan** 1982 Jan–Feb;(1):29–30 (Eng. Abstr.) **(Rus)**
[Commencement of menarche and menstrual cycle in various somatotypes II (author's transl)] Kovalčíková J. **Cesk Gynekol** 1981 Apr;46(3):184–90 (Eng. Abstr.) **(Slo)**
[It is unfortunate that sports medicine is not yet a specialty in Sweden] Liljedahl S. **Nord Med** 1982 Jun;97(6–7):166–7 **(Swe)**

EDUCATION

Standards for physician training in sports medicine. Ryan AJ. **Clin Orthop** 1982 Apr;(164):13–7

INSTRUMENTATION

A digital display revolution counter. Brodie DA, et al. **Br J Sports Med** 1981 Jun;15(2):133–5
Improvisation of a simple device in measuring the anaerobic power of Indian male and female athletes. Kansal DK, et al. **Br J Sports Med** 1981 Jun;15(2):136–40
A digital integrator for The Wingate Test of Anaerobic Capacity. Bell D, et al. **Can J Appl Sport Sci** 1981 Dec; 6(4):218
A bicycle ergometer for high altitude investigations. Kinnear GR, et al. **Can J Appl Sport Sci** 1982 Mar;7(1):55–7
Podiatric physicians' sports medicine bag. Slavitt JA.

J Am Podiatry Assoc 1982 Sep;72(9):476–7
The reliability and validity of the handheld planimeter for determining kinetic curve parameters. Wilkerson JD, et al. Res Q Exerc Sport 1982 Jun;53(2):180–3

STANDARDS

Weight certification for high school wrestlers [letter] Sudmeier RD. Minn Med 1982 Jul;65(7):416
[Medical responsibility of physical examinations in sports medicine] Reys LL. Acta Med Port 1981 Sep–Dec; 3(5–6):371–7 (Eng. Abstr.) (Fre)

TRENDS

Role of sports medicine today and in the future. Eriksson E. Int J Sports Med 1982 Feb;3 Suppl 1:2–3
Sports vision [letter] Press LJ. J Am Optom Assoc 1981 Nov; 52(11):904
Early developments in sports medicine. Novich MM. J Med Soc NJ 1982 Apr;79(4):309–13

SPOUSE ABUSE

Children: the unintended victims of marital violence. Rosenbaum A, et al. Am J Orthopsychiatry 1981 Oct; 51(4):692–9
The belittled wife: social, legal and psychotherapeutic considerations. Gold JH, et al. Can J Psychiatry 1981 Oct; 26(6):402–5
Battered women find help, understanding at Boston hospital. Hospitals 1981 Nov 1;55(21):46, 48
Wife abuse among families attending a child psychiatry clinic. Stewart MA, et al. J Am Acad Child Psychiatry 1981 Autumn;20(4):845–62
Differential patterns of wife abuse: a data-based typology. Snyder DK, et al. J Consult Clin Psychol 1981 Dec; 49(6):878–85
Profile of a battered fetus [letter] Morey MA, et al. Lancet 1981 Dec 5;2(8258):1294–5
Family violence: aids to recognition. Viken RM. Postgrad Med 1982 May;71(5):115–22
[Violence to women by their spouses. A prospective study] Jørgensen JP, et al. Ugeskr Laeger 1981 Aug 31; 143(36):2321–4 (Eng. Abstr.) (Dan)

LEGISLATION & JURISPRUDENCE

The spousal homicide syndrome: legal implications. Bonnie RJ, et al. Bull Am Acad Psychiatry Law 1980;8(4):431–44
[Rare injury findings in women – self mutilation or abuse] Umach P, et al. Beitr Gerichtl Med 1981;39:381–6 (Eng. Abstr.) (Ger)

SPRAINS AND STRAINS

COMPLICATIONS

Rotational knee strain resulting in patellar dislocation. An experimental study in rabbits. Finsterbush A. Clin Orthop 1982 Sep;(169):259–63

DIAGNOSIS

Traumatic osteochondral lesions of the talus. Israeli A, et al. Br J Sports Med 1981 Sep;15(3):159–62
The foot and ankle: one year's experience: Part I. Millard IL. J Arkansas Med Soc 1982 Jun;79(1):59–62
Diagnosis and treatment of ankle pain and instability. Bremer SW. J Foot Surg 1981 Summer;20(2):88–90
Clinical problems: the injured ankle. Goldman L. Nurse Pract 1981 Sep–Oct;6(5):51–5

DRUG THERAPY

Management of pain of rheumatologic origin in the head and neck. Moore ME. Trans Pa Acad Ophthalmol Otolaryngol 1981 Fall; 34(2):174–8
[Clinical study of a drug combination in the treatment of metarheumatic and metatraumatic disorders] Cogliandro A. Clin Ter 1982 May 15;101(3):267–74 (Ita)
[Anti-inflammatory local frigotherapy with a combination of escin, heparin and polyunsaturated phosphatidylcholine (EPL)] Tozzi E, et al. Clin Ter 1981 Sep 15;98(5):517–24 (Ita)

ETIOLOGY

The relationship of tarsal coalitions to ankle sprains in athletes. Snyder RB, et al. Am J Sports Med 1981 Sep–Oct; 9(5):313–7
Lawn mower arm [letter] von Lichtenberg F. N Engl J Med 1982 Oct 14;307(16):1027–8

OCCURRENCE

Sprains of the lateral ankle ligaments. An epidemiological and clinical study with special reference to different forms of conservative treatment. Part I. Epidemiological and clinical considerations. Nilsson S. J Oslo City Hosp 1982 Jan–Feb;32(1–2):3–29

PHYSIOPATHOLOGY

A new type of dynamograph for measuring muscular strain. Mitrev N, et al. Folia Med (Plovdiv) 1981;23(1):54–8

RADIOGRAPHY

[Cervical sprains (author's transl)] Dewijze M, et al. Rev Med Brux 1981 Dec;2(10):951–4 (Eng. Abstr.) (Fre)
[A rare case in the differential diagnosis of muscle strain: osteoid osteoma] Jenoure P, et al. Schweiz Z Sportmed 1980; 28(3):83–6 (Ger)

SURGERY

Lateral ligament injuries of the ankle. Results of primary surgical treatment. Korkala O, et al. Ann Chir Gynaecol 1982;71(3):161–3
Lateral ligament injuries of the ankle. Surgical treatment of late cases. Lauttamus L, et al. Ann Chir Gynaecol 1982; 71(3):164–7
Approaches to lateral ankle repair: recurrent ankle sprains. Borovoy M, et al. J Foot Surg 1982 Summer;21(2):127–31
Ankle sprain surgery a winner for athletes [news] Macek C. JAMA 1982 Mar 19;247(11):1545

THERAPY

Medial collateral ligament injuries in football. Nonoperative management of grade I and grade II sprains. Derscheid GL, et al. Am J Sports Med 1981 Nov–Dec;9(6):365–8
Conservative treatment of injury to the fibular ligaments of the ankle. Cetti R. Br J Sports Med 1982 Mar;16(1):47–52
Early and late repair of lateral ligament of the ankle. Gould N, et al. Foot Ankle 1980 Sep;1(2):84–9
Thermoplastic ankle splint. Wallace L, et al. J Am Podiatry Assoc 1981 Oct;71(10):565–6
Presentational style of therapeutic directive and response to cold pressor pain. Worthington EL Jr, et al. Percept Mot Skills 1981 Oct;53(2):506
Management of sprained ankles. A double-blind study. Lester AA. Practitioner 1981 Jun;225(1356):935–6
[Management of external ankle sprains] Livio JJ. Z Unfallmed Berufskr 1981;74(1–2):55–60 (Fre)
[Fresh sprains and ligament ruptures of the proximal interphalangeal joints] Gaudernak T, et al. Handchirurgie 1981;13(3–4):231–7 (Eng. Abstr.) (Ger)
[The use of diadynamic currents in minor sports injuries] Tonazzi A, et al. Arch Putti Chir Organi Mov 1981; 31:195–205 (Eng. Abstr.) (Ita)
[Cryotherapy in orthopedics and traumatology] Blažević A. Med Arh 1981;35(5–6):295–7 (Eng. Abstr.) (Scr)

VETERINARY

Cervical sprain and fracture in a dromedary. Dresher LK, et al. VM SAC 1981 Aug;76(8):1182–3

SPREADING CORTICAL DEPRESSION

Effects of thalamic spreading depression on the rhythmic ECoG activity induced by metrazol in the rat. Pohl M, et al. Act Nerv Super (Praha) 1981 Dec;23(4):295–6
Factors affecting the oxygen balance in the awake cerebral cortex exposed to spreading depression. Mayevsky A, et al. Brain Res 1982 Mar 18;236(1):93–105
Effects of post-ictal depression on experimental spike and wave discharges. Avoli M, et al. Electroencephalogr Clin Neurophysiol 1981 Oct;52(4):372–4
Lasting effects of acute dehydration and post-weaning undernourishment on cortical spreading depression in adult rats. Vieira-Neto A, et al. Experientia 1981 Jul 15; 37(7):738–40
Possible roles of vertebrate neuroglia in potassium dynamics, spreading depression and migraine. Gardner-Medwin AR. J Exp Biol 1981 Dec;95:111–27
Blood–brain glucose transfer in spreading depression. Gjedde A, et al. J Neurochem 1981 Oct;37(4):807–12
[Reverberations of spreading depression in the pigeon forebrain] Boiko VP, et al. Zh Vyssh Nerv Deiat 1981 Jul–Aug;31(4):871–3 (Rus)

DRUG EFFECTS

Tetrodotoxin resistant propagation and extracellular sodium changes during spreading depression in rat cerebellum. Tobiasz C, et al. Brain Res 1982 Jun 10;241(2):329–33

SPRUE see CELIAC DISEASE

SPRUE, TROPICAL

DIAGNOSIS

Tropical sprue: a case report from the Middle East. Salem AA, et al. Am J Gastroenterol 1982 Jan;77(1):51–2

ETIOLOGY

[Tropical sprue (author's transl)] Gras C, et al. Med Trop (Mars) 1981 Jul–Aug;41(4):449–54 (Eng. Abstr.) (Fre)

IMMUNOLOGY

Immunological changes in tropical sprue. Ross IN, et al. Q J Med 1981 Autumn;50(200):435–49

METABOLISM

Jejunal absorption rates of glucose and glycine in post-infective tropical malabsorption. Cook GC. Trans R Soc Trop Med Hyg 1981;75(3):378–84

SPUTUM

Respiratory mycotic affection: sputum examination of workers in a flax plant in Egypt. Ebeid N, et al. J Soc Occup Med 1982 Apr;32(2):66–72
[Bloody sputum of upper aero-digestive origin] Terrier G. Praxis 1982 May 11;71(19):822–6 (Eng. Abstr.) (Fre)
[Sputum viscosity and respiratory tract obstruction in chronic unspecific airway diseases] Tuma N, et al. Schweiz Med Wochenschr 1981 Jun 13;111(24):898–903 (Eng. Abstr.) (Ger)

ANALYSIS

Use of selected ion monitoring for detection of tuberculostearic and C32 mycocerosic acid in mycobacteria and in five-day-old cultures of sputum specimens from patients with pulmonary tuberculosis. Larsson L, et al. Acta Pathol Microbiol Scand [B] 1981 Aug;89(4):245–51
Identification of leukotrienes in the sputum of patients with cystic fibrosis. Cromwell O, et al. Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:251–7
Isolation and partial characterization of a rheologically active glycoprotein fraction from pooled human sputum. Brown DT, et al. Am Rev Respir Dis 1981 Sep;124(3):285–91
[Lipid analysis of sputum from patients with chronic bronchial diseases. Galabert C, et al. Bull Eur Physiopathol Respir 1981;17(2):197–208
Histamine content of sputum from patients with asthma and chronic bronchitis. Bryant DH, et al. Clin Allergy 1982 Jan;12(1):19–27
Sputum penetration of fusidic acid in patients with cystic fibrosis. Kraemer R, et al. Eur J Pediatr 1982 Mar; 138(2):172–5
Bronchobiliary fistula presenting as cough with yellow sputum [letter] Pappas SC, et al. N Engl J Med 1982 Oct 14;307(16):1027
Serum and sputum alpha 2 macroglobulin in patients with chronic obstructive airways disease. Burnett D, et al. Thorax 1981 Jul;36(7):512–6
[Histamine content of the sputa of patients with chronic obstructive bronchitis] Zimmermann I, et al. Respiration 1982 May–Jun;43(3):194–207 (Eng. Abstr.) (Ger)
[Method of obtaining bronchial contents from children] Slobozhankin IV, et al. Pediatriia 1981 Oct;(10):54 (Rus)

CYTOLOGY

Effects of 13-CIS retinoids on premalignant and malignant cells of lung origin. Saccomanno G, et al. Acta Cytol (Baltimore) 1982 Jan–Feb;26(1):78–85
Positive sputum cytology in hairy cell leukemia [letter] Volpe R, et al. Acta Cytol (Baltimore) 1981 Jul–Aug;25(4):432–4
Sputum cytology of a metastatic postradiation sarcoma (malignant fibrous histiocytoma). Tanaka T, et al. Acta Med Okayama 1981 Apr;35(2):117–23
Pulmonary blastomycosis diagnosed by cytologic examination of sputum. Robertson SA, et al. Can Med Assoc J 1982 Feb 15;126(4):387–8
Results of sputum, cytology among workers exposed to vinyl chloride monomer and to poly(vinyl chloride). Maltoni C, et al. Environ Health Perspect 1981 Oct;41:85–8
Diagnosis of lung cancer by transbronchial lung biopsy and a comparison between this method with the sputum and bronchial washing cytology in Ramathibodi hospital. Srivannaboon S. J Med Assoc Thai 1981 Oct;64(10):492–7
Eosinophiles in sputum [editorial] Bryan CS. J SC Med Assoc 1981 Jul;77(7):339–40
The sputum wet prep. Wilson FE. J SC Med Assoc 1981 Jul;77(7):317–9
A bottleneck of sputum cytology in mass survey for lung cancer: an approach to detect early stage lung cancer by sputum cytology. Hashimoto T, et al. J Surg Oncol 1982 Jul;20(3):168–73
Leukocyte transfusions in chronic granulomatous disease: persistence of transfused leukocytes in sputum. Buescher ES, et al. N Engl J Med 1982 Sep 23;307(13):800–3
Sputum for cytologic diagnosis of lung cancer [letter] Frost JK, et al. N Engl J Med 1982 Jan 14;306(2):109–10
Obtaining sputum for cytology [letter] Melamed MR, et al. N Engl J Med 1981 Oct 8;305(15):894–5
Results of lung cancer screening programs in Japan. Hayata Y, et al. Recent Results Cancer Res 1982;82:163–73
Lung cancer mortality in males screened by chest X-ray and cytologic sputum examination: a preliminary report. Levin ML, et al. Recent Results Cancer Res 1982;82:138–46
Detection of early and roentgenologically occult bronchogenic carcinoma: preliminary report of the Sabbatsberg hospital sputum cytologic screening study. Nasiell M, et al. Recent Results Cancer Res 1982;82:159–62
Pathogenesis of bronchial carcinoma, with special reference to morphogenesis and the influence on the bronchial mucosa of 20-methylcholanthrene and cigarette smoking. Nasiell M, et al. Recent Results Cancer Res 1982;82:53–68
Sputum cytology and asbestos exposure: a preliminary report. Simard A, et al. Recent Results Cancer Res 1982;82:147–52
Cytology of postbronchoscopically collected sputum samples and its diagnostic value. Castella J, et al. Respiration 1981; 42(2):116–21

Respiratory cytodiagnosis: study in observer variation and its relation to quality of material. Evans DM, et al. **Thorax** 1982 Apr;37(4):259–63

Time and place for sputum cytology in the diagnosis of lung cancer. Hartveit F. **Thorax** 1981 Apr;36(4):299–302

Screening for lung cancer. Carter D. **Yale J Biol Med** 1981 Sep–Oct;54(5):381–5

[Sputum cytology in a group of wool weavers] Paoletti A, et al. **Pathologica** 1981 Jan–Feb;73(1023):31–7 (Eng. Abstr.) **(Ita)**

[Diagnosis of bronchopulmonary cancer by cytological examination of the sputum. Cytohistological evaluation] Diaconiță G, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec; 29(4):193–200 (20 ref.) **(Rum)**

[Cytology of sputum of chronic bronchitis (author's transl)] Mermolja M, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec; 33(4):273–7 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Effect of S-carboxymethylcysteine on the biophysical and biochemical properties of mucus in chronic bronchitics. Cox A, et al. **Adv Exp Med Biol** 1982;144:423–9

Sputum viscosity and long-term ipratropium bromide nebuliser therapy [letter] Crompton GK. **Lancet** 1982 May 29;1(8283):1243

ENZYMOLOGY

The importance of lysozyme for the viscosity of sputum from patients with chronic obstructive lung disease. Jenssen AO, et al. **Scand J Clin Lab Invest** 1980;40(8):727–31

[Activity of lysosomal enzymes in bronchial tree aspirates in chronic bronchitis and bronchial cancer] Małolepszy J, et al. **Pol Tyg Lek** 1981 Sep 14;36(37):1417–9 (Eng. Abstr.) **(Pol)**

[Clinico-laboratory symptoms of the transition of acute pneumonia to the chronic disease] Finogenova LG, et al. **Sov Med** 1981;(11):97–9 **(Rus)**

IMMUNOLOGY

Carcinoembryonic antigen in sputum. Tanno Y, et al. **Tohoku J Exp Med** 1982 May;137(1):111–2

METABOLISM

Sputum and plasma doxycycline concentrations after a single oral 600 mg doxycycline dose in patients with chronic bronchitis. Marlin GE, et al. **Eur J Respir Dis** 1981 Aug; 62(4):276–80

Penetration of piperacillin into bronchial mucosa and sputum. Marlin GE, et al. **Thorax** 1981 Oct;36(10):774–80

Serum, saliva, and sputum levels of metronidazole in acute exacerbations of chronic bronchitis. Siegler D, et al. **Thorax** 1981 Oct;36(10):781–3

MICROBIOLOGY

Presenting symptoms of patients with active pulmonary tuberculosis in Singapore. Goh EH. **Ann Acad Med Singapore** 1981 Jan;10(1):56–62

Survival of mycobacteria in sputum at different temperatures. Traore I, et al. **Czech Med** 1981;4(4):203–8

An aid to the isolation of streptococcus pneumoniae from respiratory secretions. Bhalla P. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec;23(4):189–92

Mycological flora in sputum of chronic bronchitis. Jain SK, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):209–12

Ordering patterns, collection, transport, and screening of sputum cultures in a community hospital: evaluation of methods to improve results. Jacobson JT, et al. **Infect Control** 1981 Jul–Aug;2(4):307–11

A pseudoepidemic of pulmonary fungal infections related to fiberoptic bronchoscopy. Schleupner CJ, et al. **Infect Control** 1980 Jan–Feb;1(1):38–42

Bacteriophages in sputum of patients with bronchopulmonary Pseudomonas infections. Tejedor C, et al. **Infect Immun** 1982 Apr;36(1):440–1

Improved semiselective medium for isolation of Legionella pneumophila from contaminated clinical and environmental specimens. Edelstein PH. **J Clin Microbiol** 1981 Sep; 14(3):298–303

Serratia ficaria isolated from a human clinical specimen. Gill VJ, et al. **J Clin Microbiol** 1981 Aug;14(2):234–6

Preparation of sputum smears for acid-fast microscopy. Goldfogel GA, et al. **J Clin Microbiol** 1981 Oct;14(4):460–1

Effects of time lapse between sputum collection and culturing on isolation of clinically significant fungi. Hariri AR, et al. **J Clin Microbiol** 1982 Mar;15(3):425–8

Differentiation of Haemophilus spp. in Respiratory isolate cultures by an indole spot test. Welch DF, et al. **J Clin Microbiol** 1982 Feb;15(2):216–9

Comparison of media and culture techniques for detection of Streptococcus pneumoniae in respiratory secretions. Wu SC, et al. **J Clin Microbiol** 1980 Dec;12(6):772–5

Providencia stuartii infections: a review of 117 cases over an eight year period. McHale PJ, et al. **J Hosp Infect** 1981 Jun;2(2):155–65

The value of the sputum gram's stain in community-acquired pneumonia. Boerner DF, et al. **JAMA** 1982 Feb 5; 247(5):642–5

When is pulmonary tuberculosis cured? [letter] Buechner HA. **Lancet** 1982 Jun 26;1(8287):1462

Aspergillus and Candida species isolated from the sputa of patients with bronchopulmonary disorders in Nigeria. Osoagbaka OU. **Mykosen** 1981 Sep;24(9):547–51

Pediatric Legionnaires' disease: diagnosis by direct immunofluorescent staining of sputum. Sturm R, et al. **Pediatrics** 1981 Oct;68(4):539–43

Recovery of fungi from seeded sputum samples: effect of culture media and digestion procedures. Restrepo A, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jul–Aug;23(4):178–84

Branhamella catarrhalis in respiratory secretions: clinical correlation in 16 cases. von Graevenitz A, et al. **South Med J** 1981 Sep;74(9):1095–6

A study of the characteristics and course of sputum smear-negative pulmonary tuberculosis. **Tubercle** 1981 Sep; 62(3):155–67

Differential identification of mycobacteria in smears of sputum. Dawson DJ, et al. **Tubercle** 1981 Dec;62(4):257–62

The cetylpyridinium bromide decontamination of sputum and its influence on the niacin test. Fodor T, et al. **Tubercle** 1981 Dec;62(4):271–2

Mathematical study of the contamination phenomenon in the culture of tubercle bacilli. Radhakrishna S, et al. **Tubercle** 1980 Dec;61(4):221–9

[The relationship between bacterial sputum analysis and infection] Opperman JC. **S Afr Med J** 1982 Jun 5; 61(23):871–2 (Eng. Abstr.) **(Afr)**

[The importance of sputum examination in cases of fibro-calcified pulmonary tuberculous (author's transl)] Wen FQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):271–2 (Eng. Abstr.) **(Chi)**

[Growth of mycobacteria from dry sputum smears Identification and sensitivity of strains from Kinshasa, Zaire] Pouthier-Simon F, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):503–15 **(Fre)**

[Bacteriological examination of bronchitis and pneumonia. Part II: quantitative analysis of homogenized sputum with respect to leucocytes, protein, erythrocytes and bacteria (author's transl)] Schonard G, et al. **Immun Infekt** 1981 Jul;9(4):121–30 (50 ref.) (Eng. Abstr.) **(Ger)**

[Usefulness of bacteriological sputum analysis] Ende RO. **Med Welt** 1982 Oct 2;32(40):1501–3 **(Ger)**

[Myco. nonchromogenicum in the sputum of 3 patients with pulmonary mycobacteriosis (author's transl)] Vincúrová M, et al. **Prax Klin Pneumol** 1982 Apr;36(4):190–2 (Eng. Abstr.) **(Ger)**

[Changes in isolative frequency of bacteria isolated from sputum during recent 10-year at Toranomon Hospital (author's transl)] Suzuki K, et al. **Kansenshogaku Zasshi** 1981 Nov;55(11):795–801 (Eng. Abstr.) **(Jpn)**

[The smear-positive and culture-negative phenomenon of mycobacteria in sputum specimens in relation to the problems on the detection of mycobacteria (author's transl)] Kudoh S. **Kekkaku** 1981 Jun;56(6):291–9 (Eng. Abstr.) **(Jpn)**

[Comparison of 2 bacteriological methods. Sputum examination associated with the immunoelectrophoretic analysis of the blood serum in the detection of Haemophilus influenzae infection in chronic bronchitis] Sosnowski W, et al. **Pneumonol Pol** 1981;49(10):675–82 (Eng. Abstr.) **(Pol)**

[Value of the sputum as diagnostic material in inflammatory conditions of the respiratory tract] Samet A, et al. **Pol Tyg Lek** 1981 Oct–Dec;36(42–52):1601–4 (Eng. Abstr.) **(Pol)**

[Comparative study of the use of alcohol-hydrochloric acid and of sulfuric acid in Ziehl-Neelson staining] Bogdănescu V, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):157–64 (Eng. Abstr.) **(Rum)**

[Comparison of 3 methods of quantitative determination of bacteria in the sputum of patients with acute pneumonias] Ageeva TS. **Lab Delo** 1982;(4):237–40 **(Rus)**

[Importance of refining the bacteriologic diagnosis of tuberculosis toward improving the performance of anti-tuberculosis institutions] Dvoirin MS, et al. **Probl Tuberk** 1982 May;(5):17–20 (Eng. Abstr.) **(Rus)**

[Bacterioscopy of a sputum smear in the diagnosis of acute pneumonias] Stuks IIu, et al. **Vrach Delo** 1981 Sep;(9):101–2 (Eng. Abstr.) **(Rus)**

[Sensitivity and specificity of acid-fast smear technique for detection of pulmonary tuberculosis (author's transl)] Alenka G, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec; 33(4):252–5 (Eng. Abstr.) **(Scr)**

[The molds and yeasts isolated from sputa of patients with respiratory diseases (author's transl)] Ožegović L, et al. **Plucne Bolesti Tuberk** 1981 Apr–Sep;33(2–3):137–41 (Eng. Abstr.) **(Scr)**

PARASITOLOGY

Indigenous strongyloidiasis in Belgium diagnosed by Ziehl-stain of sputum. Francart H, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):461–5

PHYSIOLOGY

Characterisation of sol and gel phases of infected and mucoid sputum samples from a chronic bronchitic patient. Bhaskar KR, et al. **Adv Exp Med Biol** 1982;144:361–4

Spinnability and transport properties of sputum in chronic bronchitis. Puchelle E, et al. **Adv Exp Med Biol** 1982; 144:397–8

Viscoelasticity, protein content and ciliary transport rate of sputum in patients with recurrent and chronic bronchitis. Puchelle E, et al. **Biorheology** 1981;18(3–6):659–66

Effect of terbutaline on mucociliary transport and sputum properties in chronic bronchitis. Sadoul P, et al. **Chest** 1981 Dec;80(6 Suppl):885–9

Ciliary inhibitory effects of asthma patients' sputum. Dulfano MJ, et al. **Clin Sci** 1982 Oct;63(4):393–6

SECRETION

Effect of swimming on forced expiration and sputum clearance in cystic fibrosis. Zach MS, et al. **Lancet** 1981 Nov 28;2(8257):1201–3

Is cough as effective as chest physiotherapy in the removal of excessive tracheobronchial secretions? Bateman JR, et al. **Thorax** 1981 Sep;36(9):683–7

[Pharmacological effects of N-acetyl-L-cysteine on the respiratory tract. (I). Quantitative and qualitative changes in respiratory tract fluid and sputum (author's transl)] Kogi K, et al. **Nippon Yakurigaku Zasshi** 1981 Jun;77(6):569–78 (Eng. Abstr.) **(Jpn)**

SQ 18506 see under **NITROFURANS**

SQUALENE

ANALOGS & DERIVATIVES

Effects of dietary paraffin, squalane and sucrose polyester on residue disposition and elimination of hexachlorobenzene in rats. Richter E, et al. **Chem Biol Interact** 1982 Jul 1;40(3):335–44

Excretion of beta-hexachlorocyclohexane by the rat as influenced by oral paraffin, squalane, and Lutrol E 400. Richter E, et al. **Ecotoxicol Environ Safety** 1981 Sep; 5(3):270–80

Formation of dehydrosqualene catalyzed by squalene synthetase in Saccharomyces cerevisiae. Takatsuji H, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):911–21

Effect of squalane on hexachlorobenzene (HCB) concentrations in tissues of mice. Richter E, et al. **J Environ Sci Health [B]** 1982;17(3):195–203

[Emission spectral analysis of ultraweak chemiluminescence from linolenic acid and squalene peroxides (author's transl)] Torinuki W, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Jan 15;92(1):29–33 **(Jpn)**

ANALYSIS

Amniotic fluid squalene and gestational age [letter] Messeri G, et al. **Clin Chem** 1982 Aug;28(8):1810–1

Estimation of sebum production rates in man by measurement of the squalene content of skin biopsies. Downing DT, et al. **J Invest Dermatol** 1981 Oct;77(4):358–60

BIOSYNTHESIS

Squalene and sterol synthesis in isolated small-intestinal cells of the rat. Strandberg TE, et al. **Scand J Gastroenterol** 1981; 16(6):801–10

BLOOD

Diurnal variation of cholesterol precursors squalene and methyl sterols in human plasma lipoproteins. Miettinen TA. **J Lipid Res** 1982 Mar;23(3):466–73

Comparison of different components in the fractional conversion of mevalonate to cholesterol with cholesterol synthesis and serum methyl sterols. Miettinen TA, et al. **Scand J Clin Lab Invest** 1981 Sep;41(5):507–12

METABOLISM

Metabolism of squalene in human fat cells. Demonstration of a two-pool system. Tilvis R, et al. **J Biol Chem** 1982 Sep 10;257(17):10300–5

PHARMACODYNAMICS

Potentiation of antifungal effect of amphotericin B by squalene, an intermediate for sterol biosynthesis. Masuda A, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):230–4

The effect of squalane on the absorption of dietary cholesterol by the rat. Richter E, et al. **Res Exp Med (Berl)** 1982; 180(2):189–91

[Effects of sterols having different chemical structure and squalene on osmotic resistance of erythrocytes] Ivashkevich SP, et al. **Biokhimiia** 1981 Aug;46(8):1420–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Chemiluminescence of UV-irradiated linolenic acid and squalene. Torinuki W, et al. **Tohoku J Exp Med** 1982 Feb; 136(2):135–40

Effect of beta-carotene on ultraweak chemiluminescence of UVB-irradiated squalene. Torinuki W, et al. **Tohoku J Exp Med** 1982 Apr;136(4):459–60

SQUALENE SYNTHETASE see under **OXIDOREDUCTASES**

SQUID

ANALYSIS

Physicochemical characterization of lens proteins of the squid

Nototodarus gouldi and comparison with vertebrate crystallins. Siezen RJ, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):304–20

Specific photoisomerization of retinal in squid rhodopsin and metarhodopsin. Suzuki T, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):27–31

Studies on biological activities of melanin from marine animals. I. Purification of melanin from Ommastrephes bartrami Lesuel and its inhibitory activity on gastric juice secretion in rats. Mimura RT, et al.
Chem Pharm Bull (Tokyo) 1982 Apr;30(4):1381–6

ENZYMOLOGY

Hydrolysis of nerve gas by squid-type diisopropyl phosphorofluoridate hydrolyzing enzyme on agarose resin. Hoskin FC, et al. **Science** 1982 Mar 5;215(4537):1255–7

METABOLISM

Respiratory and enzymatic properties of squid heart mitochondria. Mommsen TP, et al. **Eur J Biochem** 1981 Nov;120(2):345–50

[The concentrations of 60Co and stable cobalt in the migratory marine organism (author's transl)] Fukatsu H, et al. **Radioisotopes** 1982 Jan;31(1):16–20 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Photochemistry of retinochrome. Hara R, et al.
Photochem Photobiol 1981 Jun;33(6):883–91

SQUILL

Cardiac glycoside toxicity. An unusual manifestation of drug addiction. Kennedy M. **Med J Aust** 1981 Dec 12–26; 2(12–13):686, 688–9

SQUINT see **STRABISMUS**

SQUIRREL FIBROMA VIRUS see under **POXVIRIDAE**

SQUIRRELS see **SCIURIDAE**

SRS-A

Oxidative products of arachidonate: leukotrienes, a new group of compounds, including slow-reacting substance of anaphylaxis (SRA-A). Samuelsson B.
KROC Found Ser 1981;14:1–11

Comparison of biological-derived and synthetic leukotriene C4 by fast atom bombardment mass spectrometry. Murphy RC, et al. **Prostaglandins** 1982 Feb;23(2):201–6

ANALOGS & DERIVATIVES

Metabolism of leukotriene C3. Hammarström S.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:83–101

Uptake and metabolism of leukotriene C3 by isolated rat organs and cells. Ormstad K, et al.
Biochem Biophys Res Commun 1982 Feb 26;104(4):1434–40

Distribution and metabolism of 3H-labeled leukotriene C3 in the mouse. Appelgren LE, et al. **J Biol Chem** 1982 Jan 10;257(1):531–5

Metabolism of leukotriene C3 in the guinea pig. Identification of metabolites formed by lung, liver, and kidney. Hammarström S. **J Biol Chem** 1981 Sep 25;256(18):9573–8

ANALYSIS

Identification of leukotrienes in the sputum of patients with cystic fibrosis. Cromwell O, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:251–7

Analysis of leukotrienes by high-pressure liquid chromatography. Mathews WR, et al. **Anal Biochem** 1981 Nov 15;118(1):96–101

Studies on the preparation of conjugates of leukotriene C4 with proteins for development of an immunoassay for SRS-A (1). Young RN, et al. **Prostaglandins** 1982 Apr; 23(4):603–13

ANTAGONISTS & INHIBITORS

Selective inhibition of bronchoconstriction induced by leukotrienes C and D in man. Holroyde MC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:237–42

Antagonists of SRS-A and leukotrienes. Sheard P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:229–35

In vitro studies on the mechanism of action of a new antiallergic, Ro 21-7634. Welton AF, et al.
Agents Actions 1981 Jul;11(4):345–51

Inhibition by aspirin of bronchoconstriction due to leukotrienes C4 and D4 in the guinea pig. Vargaftig BB, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):417–8

Isoprenaline inhibits the leukotriene C4-induced release of thromboxane A2 from guinea pig lung parenchyma. Zijlstra FJ, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):297–8

Enhancement of isolated airway responses to bronchoconstrictive agonists by the slow-reacting substance of anaphylaxis antagonist FPL 55712. Krell RD, et al. **Prostaglandins** 1981 Sep;22(3):423–32

[Pharmacological study of mequitazine (LM-209) (II). Anti-allergic action (author's transl)] Fujimura H, et al. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):291–303 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Formation of leukotrienes C and D and Pharmacologic modulation of their synthesis. Bach MK, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:103–14

Leukotriene C4: the major lipoxygenase metabolite of arachidonic acid in dog spleen. Malik KU, et al.
Biochem Biophys Res Commun 1981 Nov 30;103(2):511–20

Inhibition of leukotriene biosynthesis in mastocytoma cells by diethylcarbamazine. Mathews WR, et al.
Biochem Pharmacol 1982 Jun 1;31(11):2129–32

Phagocytosis-stimulated macrophages. Production of prostaglandins and SRS-A, and prostaglandin effects on macrophage activation. Baggiolini M, et al.
Immunobiology 1982 Apr;161(3–4):369–75

Leukotriene C4 and D4 formation by particulate enzymes. Jakschik BA, et al. **J Biol Chem** 1982 May 25; 257(10):5346–9

Synthesis of leukotriene C and other arachidonic acid metabolites by mouse pulmonary macrophages. Rouzer CA, et al. **J Exp Med** 1982 Mar 1;155(3):720–33

SRS-A of rat basophil leukemia cells and rat mast cells. Parker CW. **KROC Found Ser** 1981;14:23–36

Slow-reacting substance of anaphylaxis (SRS-A) from lung tissue. Piper PJ, et al. **KROC Found Ser** 1981;14:13–21

Slow-reacting substances and asthma: leukotrienes may hold the key to asthma therapy. Seale JP. **Med J Aust** 1981 Nov 28;2(11):574–5

Leukotriene formation by mastocytoma and basophilic leukemia cells. Hammarström S. **Prog Lipid Res** 1981; 20:89–95

Slow reacting substance of anaphylaxis (SRS-A): cellular controls of synthesis and biological effects of its constituent leukotrienes. Lewis RA, et al. **Prog Lipid Res** 1981;20:713–8

Structure elucidation and biosynthesis of slow reacting substances and slow reacting substance of anaphylaxis from guinea pig and human lung. Morris HR, et al.
Prog Lipid Res 1981;20:719–25

BLOOD

The conversion of leukotriene C4 to isomers of leukotriene B4 by human eosinophil peroxidase. Goetzl EJ.
Biochem Biophys Res Commun 1982 May 31;106(2):270–5

Formation of leukotrienes E3, E4 and E5 in rat basophilic leukemia cells. Orning L, et al. **Eur J Biochem** 1981 Nov; 120(1):41–5

Oxidative inactivation of leukotriene C4 by stimulated human polymorphonuclear leukocytes. Lee CW, et al.
Proc Natl Acad Sci USA 1982 Jul;79(13):4166–70

DIAGNOSTIC USE

Selective inhibition of bronchoconstriction induced by leukotrienes C and D in man. Holroyde MC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:237–42

IMMUNOLOGY

Inactivation by alveolar macrophages of slow-reacting substance of anaphylaxis released from pig lung cells. Paterson NA, et al. **J Allergy Clin Immunol** 1981 Jun; 67(6):435–43

Radioimmunoassay of the leukotrienes of slow reacting substance of anaphylaxis. Levine L, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7692–6

['Slow reacting substance of anaphylaxis': biochemical characterization and new prospects for the treatment of asthma and other allergic diseases (author's transl)] Boeynaems JM, et al. **Rev Med Brux** 1981 Nov;2(9):803–9 (Eng. Abstr.) **(Fre)**

[The role of primary chemical mediators in anaphylactic and inflammatory reactions] Marone G, et al. **Minerva Med** 1982 Apr 28;73(18):1201–10 (37 ref.) **(Ita)**

ISOLATION & PURIFICATION

SRS-A and its formation by the lung. Piper PJ, et al.
Bull Eur Physiopathol Respir 1981;17(4):571–83

METABOLISM

The influence of a new corticosteroid, budesonide, on anaphylactic bronchoconstriction and SRS-A release in the guinea pig. Forsberg K, et al. **Agents Actions** 1981 Jul; 11(4):391–5

Release of leukotrienes C (LTC) and D (LTD) from inflammatory macrophages during phagocytosis of zymosan and bacteria. Roubin R, et al. **Agents Actions** 1981 Dec;11(6–7):578–9

Kinetics of the conversion of leukotriene C by gamma-glutamyl transpeptidase. Orning L, et al.
Biochem Biophys Res Commun 1982 Jun 30;106(4):1304–9

Enzymatic inactivation of SRS-Cys-Gly (leukotriene D). Sok DE, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):222–9

Effect of benoxaprofen on release of slow-reacting substances from human lung tissue in vitro. Lee VY, et al.
Clin Sci 1982 Aug;63(2):219–21

SRS-A and SRS: their structure, biosynthesis and actions. Piper PJ, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:107–12

Release of slow-reacting substance of anaphylaxis from dispersed pig lung cells: effect of cyclo-oxygenase and lipoxygenase inhibitors. Paterson NA, et al.
J Allergy Clin Immunol 1981 Jun;67(6):426–34

Metabolism of leukotriene D by porcine kidney. Bernström K, et al. **J Biol Chem** 1981 Sep 25;256(18):9579–82

Release of leukotrienes from guinea pig lung stimulated by C5ades Arg anaphylatoxin. Stimler NP, et al.
J Immunol 1982 May;128(5):2247–52

Effects of sodium cromoglycate analogues on the immunological release of slow reacting substance of anaphylaxis and histamine from human and guinea-pig lung in vitro. Armour CL, et al. **J Pharm Pharmacol** 1982 Jun; 34(6):401–2

Slow reacting substance of anaphylaxis (SRS-A) release from guinea-pig lung parenchyma during antigen- or ionophore-induced contraction. Fleisch JH, et al.
J Pharmacol Exp Ther 1982 Apr;221(1):146–51

Regulation of the synthesis and release of slow-reacting substance of anaphylaxis from sensitized monkey lung. Weichman BM, et al. **J Pharmacol Exp Ther** 1982 May; 221(2):295–302

Interconversion of leukotrienes catalyzed by purified gamma-glutamyl transpeptidase: concomitant formation of leukotriene D4 and gamma-glutamyl amino acids. Anderson ME, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1088–91

Leukotrienes: a novel group of compounds including SRS-A. Samuelsson B. **Prog Lipid Res** 1981;20:23–30

Tetraene and pentaene leukotrienes: selective production from murine mastocytoma cells after dietary manipulation. Murphy RC, et al. **Prostaglandins** 1981 Oct;22(4):613–22

PHARMACODYNAMICS

Effect of leucotrienes C4, D4, prostacyclin and thromboxane A2 on isolated human cerebral arteries. von Holst H, et al. **Acta Neurochir (Wien)** 1982;62(3–4):177–85

Studies of the contracting mechanism induced by slow reacting substance of anaphylaxis (SRS-A): interaction with calcium. Hedman SE, et al.
Acta Pharmacol Toxicol (Copenh) 1982 May;50(5):379–84

Vascular effects of slow reacting substance (SRS) in the cat nasal mucosa and the appearance of a SRS-like principle in cat nasal secretion on nerve stimulation. Anggård A, et al. **Acta Physiol Scand** 1981 Mar;111(3):329–33

Comparative biological activity of natural and synthetic leukotrienes. Baker SR, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:223–7

Effect of lipoxygenase products on leukocyte accumulation in the rabbit eye. Bhattacherjee P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:325–30

Cardiovascular, respiratory, and hematologic effects of leukotriene D4 in primates. Casey L, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:201–10

Biological activity of leukotriene C4 in guinea pigs: in vitro and in vivo studies. Folco GC, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:153–67

Comparative pharmacology and antagonism of synthetic leukotrienes on airway and vascular smooth muscle. Gleason JG, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:243–50

Pulmonary and vascular actions of leukotrienes. Hedqvist P, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:187–200

SRS-A, leukotrienes, and immediate hypersensitivity reactions of the heart. Levi R, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:215–22

Actions of leukotrienes on vascular, airway, and gastrointestinal smooth muscle. Piper PJ, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:169–81

Interaction of leukotrienes with cyclo-oxygenase products in guinea pig isolated trachea. Piper PJ, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:183–5

Leukotriene D4: a potent vasoconstrictor of the pulmonary and systemic circulations in the newborn lamb. Yokochi K, et al.
Adv Prostaglandin Thromboxane Leukotriene Res 1982; 9:211–4

Leukotrienes C and D induce bronchoconstriction in man. Holroyde MC, et al. **Agents Actions** 1981 Dec; 11(6–7):573–4

SRS-A mediated bronchospasm by pharmacologic modification of lung anaphylaxis in vivo. Ritchie DM, et al. **Agents Actions** 1981 Jul;11(4):396–401

Leukotrienes C and D induce aspirin-sensitive bronchoconstriction in the guinea-pig. Vargaftig BB, et al. **Agents Actions** 1981 Dec;11(6–7):574–6

Contractile events induced by LTD4 and histamine in smooth muscle—a function of Ca2+ utilization. Findlay SR, et al. **Am J Physiol** 1982 Sep;243(3):C133–9

The comparative in vitro pharmacology of leukotriene D4 and its isomers. Baker SR, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1258–64

Immunosuppressive properties of leukotriene D4 and E4 in vitro. Webb DR, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1617–22

The actions of leukotrienes C4 and D4 on guinea-pig isolated hearts. Letts LG, et al. **Br J Pharmacol** 1982 May; 76(1):169–76

Pharmacological study of the contractile activity of leukotriene C4 and D4 on isolated human airway smooth muscle. Jones TR, et al. **Can J Physiol Pharmacol** 1982 May;60(5):638–43

Complement receptor enhancement and chemotaxis of human neutrophils and eosinophils by leukotrienes and other lipoxygenase products. Nagy L, et al. **Clin Exp Immunol** 1982 Mar;47(3):541–7

Cardiovascular effects of leukotriene D4 in SHR and WKY rats. Feuerstein G, et al. **Eur J Pharmacol** 1981 Nov 19; 76(1):107–10

The reactivity of rat isolated gastrointestinal tissues to leukotrienes. Goldenberg MM, et al. **Eur J Pharmacol** 1982 Mar 26;78(4):463–6

Effects of leukotrienes on isolated guinea-pig pulmonary arteries. Hand JM, et al. **Eur J Pharmacol** 1981 Dec 17; 76(4):439–42

Leukotrienes C4, D4 and E4: effects on human and guinea-pig cardiac preparations in vitro. Burke JA, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):235–41

In vitro and in vivo mechanisms of leukotriene-mediated bronchoconstriction in the guinea pig. Weichman BM, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):202–8

Contractile activities of leukotrienes C4 and D4 on vascular strips from rabbits. Kito G, et al. **Life Sci** 1981 Sep 28; 29(13):1325–32

Unresponsiveness of human gastrointestinal smooth muscle to SRS-A. Ghelani A, et al. **Methods Find Exp Clin Pharmacol** 1981 Nov–Dec; 3(6):385–6

Leukotriene C4 affects pulmonary and cardiovascular dynamics in monkey. Smedegård G, et al. **Nature** 1982 Jan 28;295(5847):327–9

Leukotriene-C4 induces generation of PGI2 and TXA2 in guinea-pig in vivo. Omini C, et al. **Pharmacol Res Commun** 1981 Jul;13(7):633–40

Contractile activities of structural analogs of leukotrienes C and D: role of the polar substituents. Lewis RA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4579–83

A comparative study of the physical properties and enzymatic reactions of slow reacting substance of anaphylaxis and some leukotriene D4 isomers. Baker SR, et al. **Prostaglandins** 1982 Apr;23(4):569–77

Contraction of isolated airway smooth muscle by synthetic leukotrienes C4 and D4. Krell RD, et al. **Prostaglandins** 1981 Sep;22(3):387–409

The mechanism of action of leukotrienes C4 and D4 in guinea-pig isolated perfused lung and parenchymal strips of guinea pig, rabbit and rat. Piper PJ, et al. **Prostaglandins** 1981 May;21(5):793–803

Comparative potency and pharmacology of isomers of leukotriene D4 on guinea-pig trachea: requirement for a 5(S)6(R) configuration. Tsai BS, et al. **Prostaglandins** 1982 Apr;23(4):489–506

Pharmacological activity of leukotrienes A4, B4, C4 and D4 on selected guinea-pig, rat, rabbit and human smooth muscles. Sirois P, et al. **Prostaglandins Med** 1981 Oct; 7(4):327–40

In vivo effects of leukotriene B4, C4 and D4. Evidence that changes in blood pressure are mediated by prostaglandins. Sirois P, et al. **Prostaglandins Med** 1981 Nov;7(5):363–73

Leukotriene D4: a potent coronary artery vasoconstrictor associated with impaired ventricular contraction. Michelassi F, et al. **Science** 1982 Aug 27;217(4562):841–3

Bronchoconstrictor effects of leukotriene C in humans. Weiss JW, et al. **Science** 1982 Apr 9;216(4542):196–8

[Effect of leukotriene C4 and D4 on isolated guinea pig tracheal strips (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr;20(4):391–7 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effects of SRS (slow reacting substance) on cyclic nucleotides in guinea pig tracheal muscle. Hedman SE, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):30–4

Structure, function, and metabolism of leukotriene constituents of SRS-A. Lewis RA, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:137–51

Leucotrienes, SRS-A and the vascular manifestations of PCA. Morley J, et al. **Agents Actions** 1981 Dec; 11(6-7):585–7

Prostaglandins, slow-reacting substances (leukotrienes) and the lung. Seale JP. **Aust NZ J Med** 1981 Oct;11(5):550–7 (101 ref.)

Prostaglandins, thromboxanes, and leukotrienes: formation and biological roles. Samuelsson B. **Harvey Lect** 1979–80; 75:1–40 (78 ref.)

The forty-year quest of 'slow-reacting substance of anaphylaxis'. Brocklehurst WE. **Prog Lipid Res** 1981; 20:709–12

The leukotrienes in allergy and inflammation [news] Marx JL. **Science** 1982 Mar 12;215(4538):1380–3

Leukotrienes and lung disease. O'Driscoll BR, et al. **Thorax** 1982 Apr;37(4):241–5 (23 ref.)

[Recent progress in prostaglandin research. Biochemistry of thromboxanes, prostacyclin, and leukotrienes (author's transl)] Murota S. **Seikagaku** 1982 Jan 25;54(1):1–23 (64 ref.) **(Jpn)**

SECRETION

Release of platelet-activating factor (PAF-acether) and leukotrienes C and D from inflammatory macrophages. Roubin R, et al. **Eur J Immunol** 1982 Feb;12(2):141–6

Selective inhibition by betamethasone of allergen-induced release of SRS-A from human lung. Hammond CV, et al. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):284–6

IgE-dependent release of leukotriene C4 from alveolar macrophages. Rankin JA, et al. **Nature** 1982 May 27; 297(5864):329–31

SSPE VIRUS

GROWTH & DEVELOPMENT

An interference phenomenon associated with a measles virus SSPE isolate (Halle). Tsang LW, et al. **J Gen Virol** 1981 Sep;56(Pt 1):195–8

IMMUNOLOGY

Antigenic characterization of measles and SSPE virus haemagglutinin by monoclonal antibodies. ter Meulen V, et al. **J Gen Virol** 1981 Dec;57(Pt 2):357–64

Subacute sclerosing panencephalitis antibodies against measles virus polypeptides. Karcher D, et al. **J Neurol** 1982; 227(1):29–34

METABOLISM

Persistent and lytic infections with SSPE virus: a comparison of the synthesis of virus-specific polypeptides. Stephenson JR, et al. **J Gen Virol** 1981 Nov;57(Pt 1):191–7

PATHOGENICITY

Mode of subacute sclerosing panencephalitis (SSPE) virus infection in tissue culture cells. III. Neurovirulence of cell-free SSPE viruses of Niigata-1, Kitaken-1, and Biken strains. Ohuchi M, et al. **Microbiol Immunol** 1981; 25(9):887–93

PHYSIOLOGY

Temperature-sensitive alteration in fusion activity of subacute sclerosing panencephalitis virus during serial passages in vitro and expression of hemagglutinin on the infected cells. Ueda S. **Biken J** 1981 Jun;24(1–2):89–94

Characterization of the Hallé SSPE measles virus isolate. McKimm-Breschkin JL, et al. **J Gen Virol** 1982 Mar;59(Pt 1):57–64

Measles and SSPE viruses: similarities and differences. Wechsler SL, et al. **Prog Med Virol** 1982;28:65–95 (189 ref.)

STA-MCA BYPASS see **CEREBRAL REVASCULARIZATION**

STABLE FACTOR see **FACTOR VII**

STACHYBOTRYS see under **MONILIALES**

STAGGERER MICE see **MICE, NEUROLOGIC MUTANTS**

STAGING, NEOPLASM see **NEOPLASM STAGING**

STAINLESS STEEL

Monitoring personnel exposure to stainless steel welding fumes in confined spaces at a petrochemical plant. Wilson JD, et al. **Am Ind Hyg Assoc J** 1981 Jun;42(6):431–6

Surface corrosion of nitinol and stainless steel under clinical conditions. Edie JW, et al. **Angle Orthod** 1981 Oct; 51(4):319–24

Use of amalgam and stainless steel restorations for primary molars. Dawson LR, et al. **ASDC J Dent Child** 1981 Nov–Dec;48(6):420–2

Fretting corrosion in saline and serum. Brown SA, et al. **J Biomed Mater Res** 1981 Jul;15(4):479–88

Crevice and fretting corrosion of stainless-steel plates and screws. Brown SA, et al. **J Biomed Mater Res** 1981 Nov; 15(6):867–78

Stapes prosthesis comparison. Elonka DR, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):263–5

[The problem of metal clip artefacts in computerized tomography] Vock P, et al. **Schweiz Med Wochenschr** 1982 Apr 17;112(16):561–7 (Eng. Abstr.) **(Ger)**

[A fundamental study of the fabrication of a medical prosthesis by slip casting (author's transl)] Ohkawa S. **Shika Rikogaku Zasshi** 1982 Jan;23(61):116–34 (Eng. Abstr.) **(Jpn)**

[Hygienic evaluation of the use of the aluminum manufacture scrap in the smelting of stainless steel] Zelenkin AN, et al. **Gig Tr Prof Zabol** 1982 May;(5):53–4 **(Rus)**

[Stainless steels for medical instruments] Feofilov RN. **Med Tekh** 1981 Sep–Oct;(5):35–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

An in vitro study of the release of nickel from two surgical implant alloys. Marek M, et al. **Clin Orthop** 1982 Jul; (167):291–5

[Study of the distribution of chrome in 17 Cr stainless steel by autoradiography using 51Cr (author's transl)] Niizuma K, et al. **Radioisotopes** 1981 Aug;30(8):425–30 (Eng. Abstr.) **(Jpn)**

STAINS AND STAINING

see related **DYES**

Aspiration biopsy cytology and special stains. Sachdeva R, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec;25(6):678–83

Outlines of the Feulgen acid hydrolysis. Kjelstrand P. **Acta Histochem [Suppl] (Jena)** 1979;20:37–9

New data concerning the nucleolar DNA organization in two cellular types after electronic opacification of the nucleic acid containing structures by oxidized diaminobenzidine. Pouchelet M, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:79–93

Unable to obtain good correlation [letter] Jetha N, et al. **Am J Clin Pathol** 1982 Jun;77(6):771–2

Orseillein-aniline blue. A new stain for erythroblasts. Kass L. **Am J Clin Pathol** 1981 Sep;76(3):302–4

Use of gram stain to predict vitreous fluid infection. Durfee K, et al. **Am J Med Technol** 1982 Jun;48(6):525–9

The trichrome-stained smear as a screening method for intestinal parasites: evaluation in a San Francisco Bay Area population. Takahashi H. **Am J Med Technol** 1982 Jun; 48(6):531–3

Staining characteristics of colonies of Anaplasma marginale Theiler in Dermacentor andersoni Stiles. Oberst RD, et al. **Am J Vet Res** 1981 Nov;42(11):2006–9

Thionine-Feulgen-Congo red staining of cervical smears for the BioPEPR image-analysis system. Oud PS, et al. **Anal Quant Cytol** 1981 Dec;3(4):289–94

Comparative colorimetry in cytophotometric measurements of azure B-eosin Y-stained and Giemsa-stained blood cell smears. Rüter A, et al. **Anal Quant Cytol** 1982 Jun; 4(2):128–39

Rapid diagnosis of campylobacter enteritis. Sazie ES, et al. **Ann Intern Med** 1982 Jan;96(1):62–3

Problems of differential diagnosis of blastomyces and Russell bodies. Haensch R, et al. **Arch Dermatol Res** 1981; 270(4):381–5

A standardized differential stain for hematology. Lapen D. **Cytometry** 1982 Mar;2(5):309–15

Selective staining of dictyosome-like structures (DLS) from spermatocytes of the guinea pig using phosphotungstic acid at low pH. Mollenhauer HH, et al. **Eur J Cell Biol** 1981 Oct;25(2):340–5

Detection of luxol-fast-blue positive cells in human promyelocytic leukemia cell line HL-60. Lu L, et al. **Exp Hematol** 1981 Oct;9(9):887–92

The use of scanning electron microscopy in the examination of seminal stains. Concheiro L, et al. **Forensic Sci Int** 1982 Mar-Apr;19(2):185–8

Some observations on the mechanisms of blocking of nuclear staining by cisplatin. Sumner AT. **Histochem J** 1982 Mar; 14(2):283–99

Physico-chemical mechanism of the argyrophil III reaction. Gallyas F. **Histochemistry** 1982;74(3):409–21

Physico-chemical mechanism of the argyrophil I reaction. Gallyas F. **Histochemistry** 1982;74(3):393–407

Equations of the mass-time relationship of the argyrophil I and argyrophil III reactions. Gallyas F. **Histochemistry** 1982;74(3):423–33

Quantitation of catalase activity by microspectrophotometry after diaminobenzidine staining. Geerts A, et al. **Histochemistry** 1981;72(3):357–67

Induced metachromasia in bull spermatozoa. Mello ML. **Histochemistry** 1982;74(3):387–92

Combined staining procedures for cytophotometry of protein and DNA Feulgen-Naphthol Yellow S and dinitrofluorobenzene-Feulgen. Mitchell JP, et al. **Histochemistry** 1981;73(2):211–23

Histochemical staining of cadmium with benzothiazolylazonaphthol derivatives. Sumi Y, et al. **Histochemistry** 1982;73(4):481–6

Staining methods for Legionella [letter] Pounder DJ. **Hum Pathol** 1982 Feb;13(2):185

Acridine orange stain. Mirrett S. **Infect Control** 1982 May-Jun;3(3):250–2

A comparison of healing of corneal epithelial wounds stained with fluorescein or Richardson's stain. Ubels JL, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):127–31

Specific site inhibitors of NAD-specific isocitrate dehydrogenase from bovine heart. Gabriel JL, et al. **J Biol Chem** 1982 Jul 25;257(14):8021–9

Orcein as a mucin stain for gastrointestinal tissue sections. Shousha S, et al. **J Clin Pathol** 1981 Sep;34(9):1063–4

The effect of heavy metal staining on resolution of electron microscope autoradiography. Ichikawa M, et al. **J Electron Microsc (Tokyo)** 1981;30(4):352–4

Evaluation of immunoperoxidase-stained tissue sections with an electrophoresis densitometer. Witorsch RJ. **J Histochem Cytochem** 1982 Feb;30(2):179–82

Tissue fixation and staining by osmium tetraoxide: a possible role for alkaloids. Wright MJ, et al. **J Histochem Cytochem** 1981 Nov;29(11):1347–8

Colloidal gold markers and probes for routine application in microscopy. Goodman SL, et al. **J Microsc** 1981 Aug; 123(Pt 2):201–13

Microspectrophotometric studies of Romanowsky stained blood cells. II. Comparison of the performance of two standardized stains. Marshall PN, et al. **J Microsc** 1981 Nov;124(Pt 2):197–210

Nickel chloride for intracellular staining of neurons in insects. Delcomyn F. **J Neurobiol** 1981 Nov;12(6):623–7

Staining of human and rat brain Vibratome sections by a new Golgi method. Landas S, et al. **J Neurosci Methods** 1982 Jan;5(1–2):147–51

Ulex europaeus I lectin as a marker for vascular endothelium in human tissues. Holthöfer H, et al. **Lab Invest** 1982 Jul; 47(1):60–6

Leukemia cytochemistry. Yi CY. **Mayo Clin Proc** 1981 Nov; 56(11):712–3

Acute lymphoblastic leukemia with brilliant cresyl blue erythrocytic inclusions--acquired hemoglobin H? [letter] Kueh YK. **N Engl J Med** 1982 Jul 15;307(3):193–4

Simultaneous visualization of horseradish peroxidase and Nuclear Yellow in tissue sections for neuronal double labeling. Katan S, et al. **Neurosci Lett** 1982 Feb 12; 28(2):121–6

The carbol fuchsin staining of mycobacteria in leprosy institutes of southeast Asia and Japan, especially the effect of 'basic fuchsin' used in the carbol fuchsin formula. Harada K, et al. **Nippon Rai Gakkai Zasshi** 1980 Oct–Dec; 49(4):183–9

Permanent staining of rapid frozen section with toluidine blue. Büsing CM, et al. **Pathol Res Pract** 1981 Jul; 172(1–2):211–5

Histochemical alterations in severely burned guinea pig skin. Nanney LB. **Plast Reconstr Surg** 1981 Nov;68(5):753–9

One to one correlation of histological and histochemical light microscopy with scanning electron microscopy. Sweney LR, et al. **Scan Electron Microsc** 1981;(Pt 2):63–72

Bodian's silver method stains neurofilament polypeptides. Gambetti P, et al. **Science** 1981 Sep 25;213(4515):1521–2

Improved stability of methanolic Wright's stain solution with dual additives. Liao JC, et al. **Stain Technol** 1982 Jan; 57(1):23–30

Bismuth chemistry and the glutaraldehyde insensitive staining reaction. Brodie DA. **Tissue Cell** 1982;14(1):39–46

Significance of Sudan III staining in macrophages. Usubuchi I, et al. **Tohoku J Exp Med** 1981 May;134(1):79–85

On the negative straining of the protein crystal structure. Sherman MB, et al. **Ultramicroscopy** 1981;7(2):131–8

ASTRIN – a new trichrome staining technique. Balogh G, et al. **Z Mikrosk Anat Forsch** 1982;96(1):138–44

Adaptation of Mallory's trichrome stain to insect tissue epoxy sections. Weyda F. **Z Mikrosk Anat Forsch** 1982; 96(1):79–80

[Staining properties and applicability of spectrally pure thionine and its isomeres (author's transl)] Störmer U, et al. **Acta Histochem (Jena)** 1982;70(2):161–72 (Eng. Abstr.) **(Ger)**

[Visualization of liver cell borderline with aniline-blue and their evaluation by automatic microscope picture analysis (author's transl)] Wenzelides K, et al. **Acta Histochem (Jena)** 1982;70(2):193–9 **(Ger)**

[Histochemistry of leukocyte granules – studies using pure stains particularly on neutrophil granules] Wittekind D, et al. **Acta Histochem [Suppl] (Jena)** 1980;21:39–45 **(Ger)**

[100 years of Mycobacterium tuberculosis staining] Schadewaldt H, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):963–6 **(Ger)**

[Romanowsky dyes and romanowsky-Giemsa effect. 1. Azure B, purity and content of dye samples, association (author's transl)] Zipfel E, et al. **Histochemistry** 1981; 72(2):279–90 (Eng. Abstr.) **(Ger)**

[New staining methods for chromosome analysis (author's transl)] Schnedl W. **Wien Klin Wochenschr** 1982 Apr 16; 94(8):220–3 (Eng. Abstr.) **(Ger)**

[Staining with Best's carmine dye] Krutsay M. **Morphol Igazsagugyi Orv Sz** 1982 Jan;22(1):71–2 (Eng. Abstr.) **(Hun)**

[Sensitivity and specificity of acid-fast smear technique for detection of pulmonary tuberculosis (author's transl)] Alenka G, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec; 33(4):252–5 (Eng. Abstr.) **(Scr)**

[Description of a new method for total staining of granulocytic-macrophagic colonies cultured in agar. Application of conventional and cytochemical methods (author's transl)] Torres A, et al. **Sangre (Barc)** 1981; 26(2):187–93 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

A pipetting device for staining electron microscopic grids. Goodman SL. **J Microsc** 1981 Sep;123(Pt 3):329–31

METHODS

Rapid staining technique for fine needle aspiration of the lung [letter] Meyers DS, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):265–6

Color correction of understained and overstained leukocytes using the chromaticity coordinates of the neighboring erythrocytes to compensate for staining artifacts. Dolabdjian H, et al. **Acta Histochem [Suppl] (Jena)** 1980; 21:131–5

Chromatin staining reactions by oxidized p-phenylenediamine and Alcian blue. Stockert JC, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:129–36

Acriflavine-Feulgen-Stilbene: a combined DNA-protein staining procedure. Tanke HJ, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:65–8

Quantitative aspects of the Naphthol Yellow S staining for proteins studied in a model system of polyacrylamide films and in isolated rat liver cells and nuclei. Tas J, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:69–73

A new approach to the staining of lipids with Sudan Black B: a study by means of polyacrylamide model films containing liposomes. Tas J, et al. **Acta Histochem [Suppl] (Jena)** 1980;21:123–9

An argyrophil III method for the demonstration of micro- and oligodendroglia. Gallyas F. **Acta Morphol Acad Sci Hung** 1981;29(2–3):177–83

An argyrophil III method for the demonstration of fibrous neuroglia. Gallyas F. **Acta Morphol Acad Sci Hung** 1981; 29(2–3):185–93

Silver staining of protoplasmic astrocytes by physical development. Gallyas F. **Acta Morphol Acad Sci Hung** 1981;29(2–3):169–76

A new differential staining method of semithin sections of polyester-embedded salivary glands. Messelt EB. **Acta Odontol Scand** 1981;39(2):67–70

Staining of cryptosporidia by a modified Ziehl-Neelsen technique. Henriksen SA, et al. **Acta Vet Scand** 1981; 22(3–4):594–6

Get the lead out, too [letter] Bianchi TS, et al. **Am J Clin Pathol** 1982 Jan;77(1):115

Automated staining of bone marrow and peripheral blood by a modified Wright's technic. Kutaish N. **Am J Clin Pathol** 1982 Mar;77(3):319–20

Staining method for hepatitis B surface antigen (HBs Ag) and its mechanism. Senba M. **Am J Clin Pathol** 1982 Mar; 77(3):312–5

An improved micromethod for evaluating the phagocytic potential of granulocytes by the nitroblue tetrazolium (NBT) slide test. Murphy KA, et al. **Am J Med Technol** 1982 Apr;48(4):271–5

Silver stain for proteins in polyacrylamide gels: a modified procedure with enhanced uniform sensitivity. Morrissey JH. **Anal Biochem** 1981 Nov 1;117(2):307–10

Method for rapid removal of sodium dodecyl sulfate from polyacrylamide gels. Phillips HM. **Anal Biochem** 1981 Nov 1;117(2):398–401

Fully automated preparation of high-quality stained blood films. Adler SL, et al. **Anal Quant Cytol** 1981 Sep; 3(3):216–24

Scanning microfluorometric measurements of acriflavine-Feulgen-SITS-stained fibroblasts during G0–G1 transition. Wöllmer W. **Anal Quant Cytol** 1981 Dec; 3(4):305–8

An improved phosphotungstic acid--hematoxylin stain for glial fibers. Huntington HW. **Ann Neurol** 1981 Sep; 10(3):277

Osmium tetroxide-p-phenylenediamine stain for lipid in skeletal muscle. Anderson SC, et al. **Arch Neurol** 1982 Jun; 39(6):383

Supravital and vital staining of diseased corneal endothelium in whole-mount preparations. Gibralter R, et al. **Arch Ophthalmol** 1982 Aug;100(8):1308–12

Ten-minute silver stain for Pneumocystis carinii and fungi in tissue sections. Musto L, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):292–4

A trichrome stain for intrahepatic localization of hepatitis B surface antigen. Sajjad SM, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):298–9

The ZIO-reactive sites in the extraocular muscles of the rat. Loesch A. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):327–34

Nonspecific esterase as a marker for human T-lymphocytes sequential studies during states of transient blood lymphocyte redistribution. Fehr J, et al. **Blut** 1982 Apr; 44(4):201–9

Azure B-eosin Y stain as the standard Romanowsky-Giemsa stain. Wittekind DH, et al. **Br J Haematol** 1982 Jul; 51(3):391–3

Feulgen staining with picric and m-phosphoric acid Schiff reagents and their shelf-life. Dutt MK. **Cell Mol Biol** 1981; 27(2–3):175–9

Reversible cartilage staining technique for defining articular weight-bearing surfaces. Black JD, et al. **Clin Orthop** 1981 Sep;(159):265–7

Simplified method for DNA and protein staining of human hematopoietic cell samples. Crissman HA, et al. **Cytometry** 1981 Sep;2(2):59–62

Contradictory differential staining results with Coomassie Brilliant Blue and silver carbonate on sister chromatids. Jan KY, et al. **Experientia** 1982 Jul 15;38(7):853–4

Ammoniacal silver staining of normal and inflamed rat synovial membrane. Meetz GD, et al. **Experientia** 1982 Feb 15;38(2):272–3

A new staining technique for the rapid determination of the morphologic characteristics of sperm. Schoenfeld C, et al. **Fertil Steril** 1981 Sep;36(3):408–10

A method for the simultaneous staining of motor end-plates and their innervation. Sobotková M. **Folia Morphol (Praha)** 1982;30(1):61–3

Macroscopic demonstration of atypical epithelial lesion of the stomach by the leucine aminopeptidase-alkaline phosphatase double staining method. Hirono M, et al. **Gan** 1981 Apr;72(2):331–2

Chronic idiopathic intestinal pseudo-obstruction caused by a degenerative disorder of the myenteric plexus: the use of Smith's method to define the neuropathology. Schuffler MD, et al. **Gastroenterology** 1982 Mar;82(3):476–86

Immunohistologic techniques in surgical pathology – a spectrum of 'new' special stains. Taylor CR, et al. **Hum Pathol** 1981 Jul;12(7):590–6

Evaluation of Papanicolaou staining technique in mycology laboratory. Bansal MP, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):253–5

Assessment of local irritancy of drugs in rats after intramuscular injection. Burnett S, et al. **Int J Tissue React** 1981 Jun;3(2):107–11

Comparison of acridine orange and Gram stains for detection of microorganisms in cerebrospinal fluid and other clinical specimens. Lauer BA, et al. **J Clin Microbiol** 1981 Aug; 14(2):201–5

Comparison of acridine orange, methylene blue, and Gram stains for blood cultures. Mirrett S, et al. **J Clin Microbiol** 1982 Apr;15(4):562–6

Histologic evaluation of horizontal frozen sections: improved staining and special staining techniques. Bentley TJ, et al. **J Dermatol Surg Oncol** 1982 Jun;8(6):466–70

Differential staining of nucleoli and chromatin by sodium tungstate. Takeuchi IK. **J Electron Microsc (Tokyo)** 1981; 30(2):150–3

A triple-stain technique for evaluating normal acrosome reactions of human sperm. Talbot P, et al. **J Exp Zool** 1981 Feb;215(2):201–8

Postembedding staining of Brunner's gland with lectin-ferritin conjugates. Suzuki S, et al. **J Histochem Cytochem** 1981 Aug;29(8):946–52

Estimating the effect of etching agents on plastic sections. Horobin RW, et al. **J Microsc** 1982 May;126(Pt 2):169–72

Golgi-Cox and rapid golgi methods as applied to autopsied human brain tissue: widely disparate results. Buell SJ. **J Neuropathol Exp Neurol** 1982 Sep;41(5):500–7

Procedure of intracellular staining of neurons in the snail Helix pomatia. Altrup U, et al. **J Neurosci Methods** 1982 Jan;5(1–2):161–5

A silver staining method for protein bands or immunoprecipitates in electrophoresis or immunoelectrophoretic treatment of unconcentrated cerebrospinal fluid proteins using the commercial agarose plates (Corning Universal System). Hiraoka A, et al. **J Neurosci Methods** 1982 Mar;5(3):221–6

Uranyl-formol: a simple and reliable stain for routine electron microscope observation of ultrathin sections. Mazza A, et al. **J Submicrosc Cytol** 1981 Jul;13(3):473–8

A simple stain for differentiating semen constituents. Alford LM, et al. **J Urol** 1981 Nov;126(5):609–10

Detection of glomerular bleeding using a simple staining method for light microscopy [letter] **Lancet** 1982 Oct 2; 2(8301):761–2

Clinical stains for cancer [editorial] **Lancet** 1982 Feb 6; 1(8267):320–1

Clinical stains for cancer [letter] Mashberg A. **Lancet** 1982 Mar 20;1(8273):680

Staining intestinal spirochaetes. Burns PA. **Med Lab Sci** 1982 Jan;39(1):75–7

Demonstration of neurofibrillary tangles in paraffin sections: a quick and simple method using a modification of Palmgren's method. Cross RB. **Med Lab Sci** 1982 Jan; 39(1):67–9

A rapid procedure for the staining of chromosomes in fixed animal materials. Dutt MK. **Microsc Acta** 1981 Sep; 85(1):83–8

Phosphoric acid-its use in the extraction of RNA: staining of DNA in mammalian tissue sections. Dutt MK. **Microsc Acta** 1981 Nov;85(2):153–9

Use of aqueous solutions of two basic dyes for the demonstration of DNA. Dutt MK. **Microsc Acta** 1982 Mar; 85(4):381–6

Basic dyes in the staining of DNA-phosphate groups and DNA-aldehyde molecules in cell nuclei. Dutt MK. **Microsc Acta** 1982 Mar;85(4):361–8

Gallamine blue staining of DNA in mammalian tissue sections: analyses of in situ absorption spectra. Dutt MK. **Microsc Acta** 1982 Jan;85(3):273–9

Choice of a highly discriminant staining adapted to the study of cerebellum by automatic image analysis. Gardette R, et al. **Microsc Acta** 1982 Jan;85(3):267–71

Measurement of SCE frequencies in plants: a simple Feulgen-staining procedure for vicia faba. Tempelaar MJ, et al. **Mutat Res** 1982 Mar;103(3–6):321–6

A simple staining method for the detection of amoebae [letter] Cursons R. **NZ Med J** 1981 Dec 23;94(698):471

'Routine' stains on osmicated resin embedded hepatic tissue. Hall P, et al. **Pathology** 1982 Jan;14(1):73–4

Potential shortcuts in the laboratory diagnosis of gonorrhea: a single stain for smears and non-removal of cervical secretions before obtaining test specimens. Oxtoby MJ, et al. **Sex Transm Dis** 1982 Apr–Jun;9(2):59–62

An improved alum hematoxylin method with application of Mayer's hemalum for staining of elastic fibers. Akita M, et al. **Stain Technol** 1981 Sep;56(5):327–8

A batch staining method for brain slices allowing volume measurements of grey and white matter using an image analyzing computer (Quantimet 720). Alston RL. **Stain Technol** 1981 Jul;56(4):207–13

Acridine orange-methyl green fluorescent staining of

nucleoli. Franklin AL, et al. **Stain Technol** 1981 Nov; 56(6):343–8

A method for staining reticulum and red cells in hematopoietic tissues of lower vertebrates. Gorgollón P, et al. **Stain Technol** 1981 Sep;56(5):295–7

Selective staining of eosinophils and their immature precursors in tissue sections and autoradiographs with Congo red. Grouls V, et al. **Stain Technol** 1981 Sep; 56(5):323–5

A method to visualize harlequin stained chromosomes without interference by autoradiographic grains. Jan KY, et al. **Stain Technol** 1981 Sep;56(5):275–8

A simplified fluorescence plus Giemsa method for consistent differential staining of sister chromatids. Jan KY, et al. **Stain Technol** 1982 Jan;57(1):45–6

A rapid procedure for routine double staining of cartilage and bone in fetal and adult animals. Kimmel CA, et al. **Stain Technol** 1981 Sep;56(5):271–3

A simple method for staining fungal substrate hyphae in agar media. Kubicek R, et al. **Stain Technol** 1982 Jan;57(1):46–8

Differential nucleolar staining affinity with a modified Papanicolaou staining procedure. Mouriquand J, et al. **Stain Technol** 1981 Jul;56(4):215–9

Pyronin Y for staining stripped autoradiographs prepared from plastic embedded sections of rat tissues containing plutonium. Priest ND. **Stain Technol** 1981 Sep;56(5):317–21

A staining method for light microscopic study of nucleolar structure in plant cells. Raju CR. **Stain Technol** 1982 Jan; 57(1):55–6

The use of double staining techniques for investigating bacterial attachment to mucopolysaccharide-coated epithelial cells. Reid G, et al. **Stain Technol** 1982 Jan; 57(1):5–9

A silver impregnation technique for the study of steroid receptors in central nervous system tissue prepared for autoradiography. Richardson L, et al. **Stain Technol** 1982 Jan;57(1):19–22

Factors affecting triple staining of human sperm. Talbot P, et al. **Stain Technol** 1981 Sep;56(5):307–9

A differential staining technique for simultaneous visualization of mitotic spindle and chromosomes in mammalian cells. Wissinger WL, et al. **Stain Technol** 1981 Jul;56(4):221–6

Zinc-iodide-osmium procedures as markers of subcellular structures. I. Standardization of staining of transmitter containing vesicles. Rodríguez EM, et al. **Z Mikrosk Anat Forsch** 1981;95(2):257–75

[Combined Alcian Blue and de Grandi stain (author's transl)] Prade M, et al. **Arch Anat Cytol Pathol** 1981;29(5):313–4 (Eng. Abstr.) **(Fre)**

[Specificity of histological disclosing solutions and stains for the microorganisms of dental plaque] Schaller S, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):378–87 (Eng. Abstr.) **(Fre)**

[Determination of the relative RNA-content of liver cell nuclei with gallocyanin-chromealum-staining (author's transl)] Wenzelides K, et al. **Acta Histochem (Jena)** 1981; 69(2):307–13 (Eng. Abstr.) **(Ger)**

[Electron microscopic localization of proteases by the direct azo dye staining method] Schröder J, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:147–52 **(Ger)**

[Fluorescence histochemical demonstration of elastic fibers with rhodamine 6 G extra (ethyl ester)] Schmidt T. **Gegenbaurs Morphol Jahrb** 1981;127(5):680–2 **(Ger)**

[Light microscopic amyloid diagnosis with Congo red and phenol reaction] Egner E. **Pathologe** 1981 Aug;2(4):233–7 **(Ger)**

[A rational method for the neutral fat dyeing of frozen sections embedded in gelatin] Kronawitter M. **Pathologe** 1981 Dec;3(1):51–2 **(Ger)**

[A new method of preparation of whole-body sections for autoradiography and staining (author's transl)] Shimono R, et al. **Kaibogaku Zasshi** 1982 Feb;57(1):15–21 **(Jpn)**

[Phase contrast and supravital staining] Arimori S, et al. **Rinsho Byori** 1982;Suppl 48:179–204 **(Jpn)**

[Phosphatase staining] Furusawa S. **Rinsho Byori** 1982;Suppl 48:101–24 **(Jpn)**

[Chromosome analysis in leukemia] Kamada N. **Rinsho Byori** 1982;Suppl 48:283–309 **(Jpn)**

[A comparative study on the histochemical visualization of hepatitis-B surface antigen in liver biopsy material (author's transl)] Kondo K, et al. **Rinsho Byori** 1982 Apr;30(4):439–43 **(Jpn)**

[Beta-glucuronidase staining] Kurokawa I, et al. **Rinsho Byori** 1982;Suppl 48:125–49 **(Jpn)**

[Identification of cancer cells with Papanicolaou staining in cases of false positive in urinary sediment (author's transl)] Masuda K, et al. **Rinsho Byori** 1981 Jun;29(6):633–5 **(Jpn)**

[Staining of dehydrogenases] Matsuda S, et al. **Rinsho Byori** 1982;Suppl 48:72–80 **(Jpn)**

[Peroxidase staining] Matsuoka A, et al. **Rinsho Byori** 1982; Suppl 48:24–42 **(Jpn)**

[Esterase staining] Morimoto M, et al. **Rinsho Byori** 1982; Suppl 48:81–100 **(Jpn)**

[An interesting peroxidase staining.--utilization of blended substrate of mixed 2, 7-FDA and Laurent's acid-- (author's transl)] Niwa Y, et al. **Rinsho Byori** 1981 Jun;29(6):613–6 **(Jpn)**

[Regular staining] Shigeta H. **Rinsho Byori** 1982;Suppl 48:1–23 **(Jpn)**

[A study on the staining of some substances in the liver tissue using PAP method. – Especially with regard to effect of pretreatment by proteolytic enzymes (author's transl)] Takahashi K, et al. **Rinsho Byori** 1981 Nov;29(11):1161–6 **(Jpn)**

[Comparative study of the use of alcohol-hydrochloric acid and of sulfuric acid in Ziehl-Neelson staining] Bogdănescu V, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul-Sep;30(3):157–64 (Eng. Abstr.) **(Rum)**

[Rapid method of silver nitrate impregnation of elements of the peripheral nervous system suitable for celloidin and paraffin sections] Kolomiitsev AK, et al. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):93–6 (Eng. Abstr.) **(Rus)**

[Procedure for staining mast cells in serous membranes] Romanovskiĭ AE. **Arkh Anat Gistol Embriol** 1981 Jul; 81(7):111 **(Rus)**

[Effect of chemical fixation methods on the membrane image in yeast cell sections] Stepaniuk VV, et al. **Mikrobiol Zh** 1981 Jul-Aug;43(4):455–61 (Eng. Abstr.) **(Rus)**

[Frequency of acrocentric chromosomal associations and their silver staining in human lymphocytes in immune reactions] Frolov AK. **Tsitologiia** 1981 Sep;23(9):1047–52 (Eng. Abstr.) **(Rus)**

STANDARDS

The Romanowsky stains: a review. Power KT. **Am J Med Technol** 1982 Jun;48(6):519–23

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STANDARD PREPARATIONS see **REFERENCE STANDARDS**

STANDARDS, REFERENCE see **REFERENCE STANDARDS**

STANFORD-BINET TEST see under **INTELLIGENCE TESTS**

STANNUM see **TIN**

STANOLONE

Androgen binding cytosol receptors in the rat thymus: physicochemical properties, specificity and localisation. McCruden AB, et al. **Thymus** 1981 Aug;3(2):105–17

ANALOGS & DERIVATIVES

Win 32,729, a new, potent interceptive agent in rats and rhesus monkeys. Creange JE, et al. **Contraception** 1981 Sep; 24(3):289–99

Trilostane (Modrenal). **Drug Ther Bull** 1982 Jan 22;20(2):7–8

Effects of androgens on dietary self-selection and carcass composition in male rats. Siegel LI, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):529–39

Effects of hydroxysteroid dehydrogenase inhibitors on in-vitro and in-vivo steroidogenesis in the ovine adrenal gland. Singh-Asa P, et al. **J Endocrinol** 1982 Feb; 92(2):205–12

Effect of progesterone withdrawal in sheep during late pregnancy. Taylor MJ, et al. **J Endocrinol** 1982 Jan; 92(1):85–93

Synthesis of 16 alpha-[125I] iodo-5 alpha dihydrotestosterone and evaluation of its affinity for the androgen receptor. Hoyte RM, et al. **J Steroid Biochem** 1982 May;16(5):621–8

The synthesis of 3H labelled steroid-nitrogen mustard derivatives and studies on their action in rat and human prostate. Symes EK, et al. **J Steroid Biochem** 1982 Jul; 17(1):23–30

Testicular tumour associated with hormonal treatment for oligospermia [letter] Neoptolemos JP, et al. **Lancet** 1981 Oct 3;2(8249):754

Trilostane as cause of Addisonian crisis [letter] Ward PD, et al. **Lancet** 1981 Nov 21;2(8256):1178

Implantation of dihydrotestosterone propionate into the lateral septum inhibits sexual receptivity in estrogen-primed, ovariectomized rats. Tobet SA, et al. **Neuroendocrinology** 1982;34(5):333–8

Psychopharmacological profile of mesterolone. Baran L, et al. **Pol J Pharmacol Pharm** 1981 Oct;33(3):299–303

Biological activities of a new steroidal inhibitor of delta 4–5 alpha-reductase. Brooks JR, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):67–73

Effect of a new 5 alpha-reductase inhibitor on size, histologic characteristics, and androgen concentrations of the canine prostate. Brooks JR, et al. **Prostate** 1982;3(1):35–44

The inhibiting effect of trilostane on adrenal steroid synthesis: hormonal and morphological alterations induced by subchronic trilostane treatment in normal rats. Jungmann E, et al. **Res Exp Med (Berl)** 1982;180(2):193–200

[The effect of trilostane, a new inhibitor of adrenal steroid biosynthesis, on blood pressure, plasma aldosterone and other steroid hormones, serum potassium and plasma renin activity in primary aldosteronism (author's transl)] Shigetomi S, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20;58(3):184–98 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Testosterone and dihydrotestosterone in amniotic fluid and foeto-placental membranes from the guinea pig. Rigaudière N. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):301–7

Testosterone, dihydrotestosterone, and zinc concentrations in human testis and epididymis. Suescun MO, et al. **Arch Androl** 1981 Dec;7(4):297–303

Effect of a new 5 alpha-reductase inhibitor on size, histologic characteristics, and androgen concentrations of the canine prostate. Brooks JR, et al. **Prostate** 1982;3(1):35–44

Quantification of endogenous testosterone and dihydrotestosterone in fetal tissues from male guinea-pig. Rigaudière N. **Steroids** 1981 Aug;38(2):185–94

BLOOD

Transfer of steroids across the hamster blood testis and blood epididymal barriers. Turner TT, et al. **Biol Reprod** 1981 Sep;25(2):342–8

A rapid method for the determination of 5 alpha-dihydrotestosterone in Thai males receiving medroxyprogesterone acetate. Werawatgoompa S, et al. **Contraception** 1982 May;25(5):523–33

The effect of insulin and luteinizing hormone treatment on serum concentrations of testosterone and dihydrotestosterone and testicular 3 beta-hydroxysteroid dehydrogenase activity in intact and hypophysectomized diabetic rats. Blanco FL, et al. **Endocrinology** 1981 Oct; 109(4):1248–53

Plasma concentrations of testosterone and dihydrotestosterone during perinatal development in male and female ferrets. Erskine MS, et al. **Endocrinology** 1982 Sep;111(3):767–72

Serum profiles of LH, FSH, testosterone and 5 alpha-DHT from 21 to 1000 days of age in ad libitum fed and dietary restricted rats. Merry BJ, et al. **Exp Gerontol** 1981; 16(6):431–44

Endocrine correlates of brood size in adult Pied Flycatchers, Ficedula hypoleuca. Silverin B. **Gen Comp Endocrinol** 1982 May;47(1):18–23

Fluoroimmunoassay of 5alpha-dihydrotestosterone. Exley D, et al. **J Steroid Biochem** 1981 Dec;14(12):1297–302

Serum levels of dihydrotestosterone in male rhesus monkeys estimated by a non-chromatographic radioimmunoassay method. Puri V, et al. **J Steroid Biochem** 1981 Sep; 14(9):877–81

[Statistical observations on new testosterone/dihydrotestosterone RIA kit (author's transl)] Nakamura G, et al. **Horumon To Rinsho** 1981 Aug; 29(8):971–5 **(Jpn)**

[Simultaneous measurement of plasma testosterone, dihydrotestosterone and estradiol (author's transl)] Morimoto I, et al. **Rinsho Byori** 1981 Jun;29(6):636–9 **(Jpn)**

[Diurnal and seasonal rhythms of androgen content of the plasma in Macaca mulatta] Goncharov NP, et al. **Probl Endokrinol (Mosk)** 1981;27(6):53–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Hypothalamic and pituitary cytosol receptors to 5 alpha-dihydrotestosterone and oestradiol-17 beta during the prepubertal period in the male lamb. Pelletier J. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):161–7

Congenital androgen insensitivity due to a qualitatively abnormal androgen receptor. Pinsky L, et al. **Am J Med Genet** 1981;10(1):91–9

Radioimmunoassay measurements of nuclear dihydrotestosterone in rat prostate. Relationship to androgen receptors and androgen-regulated responses. De Larminat MA, et al. **Biochem J** 1981 Dec 15;200(3):465–74

Binding of dihydrotestosterone to a nuclear-envelope fraction from the male rat liver. Lefebvre YA, et al. **Biochem J** 1982 Jan 15;202(1):225–30

The effects of histamine H2 receptor antagonists on androgen action in vivo and dihydrotestosterone binding to the rat prostate androgen receptor in vitro. Sivelle PC, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):677–84

Hydrogen transfer between C19 steroids during oxidoreduction at C-17 in vivo. Cronholm T, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):149–58

Effects of ethanol metabolism on oxidoreduction and intermolecular hydrogen transfer at C-17 in steroid 3-sulphates in vivo. Cronholm T, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):159–65

Androgens and the thymus. Pearce P, et al. **Endocrinology** 1981 Oct;109(4):1073–7

Influence of prolactin-producing pituitary grafts on the in vivo uptake, distribution, and disappearance of [3H]testosterone and [3H]dihydrotestosterone by the rat prostate lobes. Prins GS, et al. **Endocrinology** 1982 Mar; 110(3):920–5

Dissociation of the 5 alpha-reductase activity from the specific dihydrotestosterone binding activity in cultured human fibroblasts. Ozasa H, et al. **Endokrinologie** 1981 Oct; 78(1):115–7

The interactions of androgen receptor with poly(A)-containing RNA and polyribonucleotides. Lin S, et al. **Eur J Biochem** 1982 May 17;124(2):283–7

Androgen target cells in spinal cord, spinal ganglia, and glycogen body of chick embryos. Autoradiographic localization. Reid FA, et al. **Exp Brain Res** 1981;44(3):243–8

Defective androgen action at the cellular level in the androgen resistance syndromes. I. Differences between the

complete and incomplete testicular feminization syndromes. Medina M, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1243–6

Reduction of testosterone to 5 alpha-dihydrotestosterone by human and rat uterine tissues. Rose LI, et al. **J Clin Endocrinol Metab** 1978 May;46(5):766–9

(3–H)-dihydrotestosterone in catecholamine neurons of rat brain stem: combined localization by autoradiography and formaldehyde-induced fluorescence. Heritage AS, et al. **J Comp Neurol** 1981 Aug 1;200(2):289–307

Androgen-concentrating cells in the periventricular brain of the female rhesus monkey. Sheridan PJ, et al. **J Comp Neurol** 1982 May 1;207(1):93–8

Comparison of methyltrienolone and dihydrotestosterone binding and metabolism in human genital skin fibroblasts. Brown TR, et al. **J Steroid Biochem** 1981 Oct; 14(10):1013–22

Uptake of androgens by intact and detergent-treated nuclei from the rat ventral prostate. Kline LD, et al. **J Steroid Biochem** 1981 Sep;14(9):855–60

Binding of testosterone, 5 alpha-dihydrotestosterone and 5 alpha-androstane (3 alpha- and 3 beta-), 17 beta-diols to serum proteins in the rat. Tenniswood M, et al. **J Steroid Biochem** 1982 May;16(5):617–20

Testosterone and dihydrotestosterone in sexual ducts and genital tubercle of rabbit fetuses during sexual organogenesis: effects of fetal decapitation. Veyssiere G, et al. **J Steroid Biochem** 1982 Aug;17(2):149–54

Binding of sex hormones by male rat liver microsomes. Yamada M, et al. **J Steroid Biochem** 1982 Mar;16(3):437–46

Autoradiographic localization of 3H-dihydrotestosterone in the preoptic area, hypothalamus, and amygdala of a male rhesus monkey. Michael RP, et al. **Life Sci** 1982 Jun 14; 30(24):2087–93

Defective activation of androgen-receptor complexes: a marker of androgen insensitivity. Kaufman M, et al. **Mol Cell Endocrinol** 1982 Feb;25(2):151–62

Interactions between protein and heavy metals in the rodent prostatic cell. Thomas JA, et al. **Prog Clin Biol Res** 1981; 75A:459–74

The effects of flutamide on total DHT and nuclear DHT levels in the human prostate. Geller J, et al. **Prostate** 1981; 2(3):309–14

Dynamics of testosterone, dihydrotestosterone and estradiol-17 beta uptake and metabolism in the brain of the male guinea pig. Sholl SA, et al. **Psychoneuroendocrinology** 1981;6(2):105–11

The specific binding of androgens and the subsequent distribution of androgen-receptor complexes within MCF-7 human breast cancer cells. MacIndoe JH, et al. **Steroids** 1981 Oct;38(4):439–52

Binding of dihydrotestosterone, R 1881 and R 5020 in cytosols from normal, benign hypertrophic and cancerous human prostates. Nozumi K, et al. **Urol Int** 1981; 36(2):79–87

[Measurement of seminal fluid 5 alpha dihydrotestosterone levels during investigations of sterility (author's transl)] Massart C, et al. **Ann Endocrinol (Paris)** 1981 Jan-Mar; 42(1):19–25 (Eng. Abstr.) **(Fre)**

[Histological and endocrinological studies on prostatic carcinoma (author's transl)] Fujii H. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1413–28 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Induction of luteolysis by dihydrotestosterone in the pregnant rat. Sridaran R, et al. **Am J Physiol** 1981 Dec;241(6):E444–8

Genetic and endocrine control of renin activity in the submaxillary gland of the mouse. Wilson CM, et al. **Biochem Genet** 1981 Jun;19(5–6):509–23

The androgenic regulation of superhelical-DNA nicking-closing enzyme in rat ventral prostate. Filipenko JD, et al. **Biochem J** 1981 Apr 15;196(1):195–202

Dependence on androgens of the specific DNA-binding activity of rat ventral-prostate non-histone chromosomal proteins. Lesser BH, et al. **Biochem J** 1981 Jan 15; 194(1):91–8

5 alpha-Dihydrotestosterone-induced uteroglobin synthesis in rabbit uterus is not inhibited by antiandrogen administration but is prevented by estradiol. Kopu H. **Biochim Biophys Acta** 1981 Jul 27;654(2):293–6

Influence of testosterone, estradiol-17 beta and dihydrotestosterone on circulating LH and FSH in castrate male guinea pigs. Buhl AE, et al. **Biol Reprod** 1982 Apr; 26(3):404–12

Effects of testosterone, dihydrotestosterone, and estradiol on the impaired prolactin response to metoclopramide in the castrated rat. Zylber-Haran EA, et al. **Biol Reprod** 1981 Aug;25(1):6–14

Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro-striatal pathways of male rat brain. Alderson LM, et al. **Brain Res** 1981 Aug 10;218(1–2):189–206

Effect of gonadal hormones on the incorporation of [3H]lysine into proteins of human fetal brain. Hall CJ, et al. **Brain Res** 1981 Nov;254(4):557–62

Persistence of dihydrotestosterone inhibition of lordosis in estrogen-primed rats fed a tryptophan-deficient diet. Menniti FS, et al. **Brain Res Bull** 1981 Jul;7(1):1–4

Ultrastructural changes induced by steroids and gonadotropins in cultured rat Sertoli cells. Libbus BL, et al. **Cytobios** 1981;30(119):173–87

Effects of testosterone, dihydrotestosterone, or estradiol administered neonatally on sexual behavior of female ferrets. Baum MJ, et al. **Endocrinology** 1982 Sep; 111(3):773–80

The role of the androgen receptor in erythropoiesis. Besa EC, et al. **Endocrinology** 1981 Dec;109(6):1983–9

Pituitary receptor sites for gonadotropin-releasing hormone: effect of castration and substitutive therapy with sex steroids in the male rat. Conne BS, et al. **Endocrinology** 1982 Jan;110(1):70–9

Failure of ovulation after neonatal administration of 5 alpha-dihydrotestosterone to female rats. Mizukami S, et al. **Endokrinologie** 1982 Feb;79(1):1–6

Effect of 5 alpha-androstan-17 beta-ol-3-one (DHT) and 5 alpha-androstan-3 alpha, 17 beta-diol (3 alpha-diol) on ether-induced prolactin secretion. Celotti F, et al. **Experientia** 1982 Jul 15;38(7):862

Effect of dihydrotestosterone on rat liver alcohol dehydrogenase activity. Mezey E, et al. **Hepatology** 1982 May-Jun;2(3):359–65

Hormonal regulation of chymotrypsin-like esteroproteases in the mouse submandibular gland. Takuma T, et al. **Histochemistry** 1981 Dec;73(3):477–80

Stimulatory effects of 5 beta-dihydrotestosterone on the sexual behavior in the domestic chick. Balthazart J, et al. **Horm Behav** 1981 Sep;15(3):246–58

Dihydrotestosterone promotes fighting behavior of female mice. Schechter D, et al. **Horm Behav** 1981 Sep;15(3):233–7

Duration of androgen treatment modifies behavioral response to arginine vasotocin in Taricha granulosa. Zoeller RT, et al. **Horm Behav** 1982 Mar;16(1):23–30

Positive feedback effect of dihydrotestosterone on follicle-stimulating hormone secretion in the male rat: implications and a possible relation to the onset of puberty. Mittler JC, et al. **Horm Metab Res** 1981 Oct;13(10):569–71

Differential effects of testosterone and its metabolites on gonadotrophin secretion in the intact adult male rat. Reymond M, et al. **Horm Res** 1981;14(2):114–29

Role of gonadal hormones in development of the sexual phenotypes. Wilson JD, et al. **Hum Genet** 1981;58(1):78–84

Possible role of steroids in follicular atresia in mice. Nandedkar TD, et al. **Indian J Exp Biol** 1981 Sep;19(9):871

Independent inductions of trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular gland. Takuma T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1371–5

Dihydrotestosterone inhibits fetal rabbit pulmonary surfactant production. Nielsen HC, et al. **J Clin Invest** 1982 Mar;69(3):611–6

Maternal behavior of rats is affected by hormonal condition of pups. Moore CL. **J Comp Physiol Psychol** 1982 Feb; 96(1):123–9

Dihydrotestosterone and estradiol deplete corticosensitive thymocytes lacking in receptors for these hormones. Barr IG, et al. **J Immunol** 1982 Jun;128(6):2825–8

Hormonal control of cell form and number in the zebra finch song system. Gurney ME. **J Neurosci** 1981 Jun;1(6):658–73

The action of 5 alpha-dihydrotestosterone and antiandrogens on the activities of 5 alpha-reductase and 3 alpha-hydroxysteroid dehydrogenase in the pituitary gland of gonadectomized rats. Ghraf R, et al. **J Steroid Biochem** 1982 Apr;16(4):545–52

Influence of starvation on the dihydrotestosterone-luteinizing hormone feedback in the male rat. Pirke KM, et al. **J Steroid Biochem** 1982 Mar;16(3):403–6

Dissociation of the effects of gonadal steroids on brain serotonin metabolism and sexual behavior in the male rat. Bradshaw WG, et al. **Neuroendocrinology** 1982 Jan; 34(1):38–45

Effects of testosterone and its 5 alpha-reduced metabolites on serum luteinizing hormone and hypothalamic luliberin levels in the castrated rat. Communication I. Loseva LA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):437–40

Dihydrotestosterone-induced inhibition of lordosis in estrogen-primed ovariectomized rats following 6-hydroxydopamine or electrolytic septal lesions. Menniti FS, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):211–6

Modulation of the neural control of the clasp reflex in male Xenopus laevis by androgens: a multidisciplinary study. Erulkar SD, et al. **Proc Natl Acad Sci USA** 1981 Sep; 78(9):5876–80

Gonadal hormones induce dendritic growth in the adult avian brain. DeVoogd T, et al. **Science** 1981 Oct 9; 214(4517):202–4

PHYSIOLOGY

Is dihydrotestosterone a cause of follicular atresia? Nandedkar TD. **Med Hypotheses** 1981 Jun;7(6):801–8

TOXICITY

Occurrence of permanent anovulation in mouse ovaries and permanent changes in the vaginal and uterine epithelia following neonatal treatment with large doses of 5 alpha-dihydrotestosterone. Iguchi T, et al. **Endocrinol Jpn** 1981 Apr;28(2):207–13

Long-term effects of perinatal exposure to 5 alpha-dihydrotestosterone on normal and neoplastic mammary development in mice. Yanai R, et al. **Endocrinol Jpn** 1981 Apr;28(2):231–4

STANOZOLOL

ADMINISTRATION & DOSAGE

Induced acute aflatoxicosis in goats: treatment with activated charcoal or dual combinations of oxytetracycline, stanozolol, and activated charcoal. Hatch RC, et al. **Am J Vet Res** 1982 Apr;43(4):644–8

PHARMACODYNAMICS

The fibrinolytic response to stanozolol in normal subjects. Preston FE, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):543–51

THERAPEUTIC USE

Effect of antibacterials, anabolic steroid, and diethyldithiocarbamate on induced acute aflatoxicosis in goats. Hatch RC, et al. **Am J Vet Res** 1982 Apr; 43(4):639–43

Effect of treatment with 17 alpha-alkylated androgens on C4 conversion products in hereditary angioedema studied by crossed immunoelectrophoresis. Bergamaschini L, et al. **J Clin Pathol** 1982 Jul;35(7):728–31

Randomized clinical trial of immunotherapy and androgenotherapy for remission maintenance in acute non-lymphocytic leukemia. Mandelli F, et al. **Leuk Res** 1981;5(6):447–52

Effect of stanozolol in patients with pityriasis rubra pilaris and retinol-binding protein deficiency [letter] Bergamaschini L, et al. **N Engl J Med** 1982 Mar 4; 306(9):546–7

Treatment of aplastic anaemia with methenolone, stanozolol and nandrolone. A report of 130 cases. Resegotti L, et al. **Panminerva Med** 1981 Oct-Dec;23(4):243–8

[New trends in the treatment of trophic sequelae post-phlebitic syndrome] Agus GB, et al. **Minerva Med** 1981 Oct 31;72(42):2805–8 (Eng. Abstr.) **(Ita)**

[Treatment of post-infarct angina pectoris with anabolic steroids] Khimenko LP. **Ter Arkh** 1981;53(8):59–62 **(Rus)**

URINE

Detection and quantitation of stanozolol (Stromba) in urine by isotope dilution-mass fragmentography. Lantto O, et al. **J Steroid Biochem** 1981 Aug;14(8):721–7

STAPEDIUS see under **MUSCLES**

STAPES see under **EAR OSSICLES**

STAPES MOBILIZATION

METHODS

[Surgical treatment of otospongiosis. Different technics and their evaluation] Portmann M. **Acta Otorhinolaryngol Belg** 1981;35(5–6):458–65 **(Fre)**

STAPES SURGERY

The effects of the argon laser on temperature within the cochlea. Vollrath M, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5–6):341–8

Argon laser stapedotomy. Gantz BJ, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):25–6

Fatal meningitis due to Serratia marcescens after stapedectomy. Jablokow VR, et al. **Arch Otolaryngol** 1982 Jan;108(1):34–5

Surgery for otosclerosis in children. Cole JM. **Laryngoscope** 1982 Aug;92(8 Pt 1):859–62

Stapes prosthesis comparison. Elonka DR, et al. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):263–5

Stapedectomy... changing pattern: numbers, results and complications. Shah N. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun; 102(5–6):231–5

[Importance of antibiotherapy in surgery of the middle and internal ear. Study on the diffusion of the combination sulfamethoxazole-trimethoprim in the perilymph] Jacob M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct; 102(9–10):445–52 **(Fre)**

[Reconsideration of the principles of classification of tympanoplasties] Ataman T. **Rev Chir [Otorinolaringol]** 1982 Jan-Mar;27(1):13–9 (Eng. Abstr.) **(Rum)**

[Use of Novikov's antiseptic fluid as a biological dressing in hearing-restoring operations] Gol'dman II. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):69 **(Rus)**

ADVERSE EFFECTS

Poststapedectomy dizziness. A histopathologic report. Belal A Jr, et al. **Am J Otol** 1982 Jan;3(3):187–91

Cochlear Pathology after stapedectomy. Schuknecht HF, et al. **Am J Otolaryngol** 1981 Aug;2(3):173–87

Surgeon's workshop: Eighteen-year report on stapedectomy. IV. Long-term functional results. Causse J, et al. **Clin Otolaryngol** 1981 Feb;6(1):67–72

Post-stapedectomy conductive deafness and results of revision surgery. Pearman K, et al. **J Laryngol Otol** 1982 May;96(5):405–10

The loose wire syndrome. McGee TM. **Laryngoscope** 1981 Sep;91(9 Pt 1):1478–83

[Furunculosis of the ear canal involving superinfection of the middle ear following use of a transstapes piston] Martin H, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):613–4 **(Fre)**

[Otosclerosis: cochlear sinking after stapedectomy. New therapeutic concepts] Causse JB, et al. **Rev Chir [Otorinolaringol]** 1981 Apr–Jun;26(2):95–103 **(Fre)**

[Repercussions of stapedectomy on cochlear function] Mitrović M, et al. **Vojnosanit Pregl** 1981 Jul–Aug; 38(4):232–4 **(Ser)**

[Technical problems in stapes surgery] López Villarejo P. **An Otorrinolaringol Ibero Am** 1981;8(4):295–308 **(Spa)**

HISTORY

Stapes surgery in the nineteenth century. Jahn AF. **Am J Otol** 1981 Jul;3(1):74–8

Management of the stapes footplate with special reference to otosclerosis. Shea JJ. **J Laryngol Otol** 1982 May; 96(5):383–403

METHODS

Problems of the stapes footplate associated with tympanosclerosis. Dawes JD. **Acta Otorhinolaryngol Belg** 1981;35(5–6):485–8

Contraindications to the small hole stapedectomy. Farrior B. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):636–9

Comparison of small fenestra and total stapedectomy. McGee TM. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):633–6

Hair–clip type piston artificial stapes and the safety auger. Min–Sheng T. **Ann Otol Rhinol Laryngol** 1982 May–Jun; 91(3 Pt 1):297–8

Total footplate extraction in stapedectomy. Robinson M. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):630–2

Ossicular replacement with self–stabilizing presculptured homologous cartilage. Chole RA. **Arch Otolaryngol** 1982 Sep;108(9):560–2

Evaluation of auditory function after stapedectomy in the absence of the other ossicles. Bauer M. **Audiology** 1982; 21(1):33–42

Update on stapedectomy surgery. Bailey HA Jr, et al. **J Arkansas Med Soc** 1981 Dec;78(7):259–64

'How I do it' – otology and neurotology. A specific issue and its solution. An alternative way of using TORP and PORP. Palva T. **Laryngoscope** 1981 Nov;91(11):1960–2

Stapedectomy: incus bypass procedures. A report of 203 operations. Sheehy JL. **Laryngoscope** 1982 Mar; 92(3):258–62

Practical suggestions on stapedotomy. Smyth GD. **Laryngoscope** 1982 Aug;92(8 Pt 1):952–3

Homograft ossicles in tympanoplasty. Wehrs RE. **Laryngoscope** 1982 May;92(5):540–6

Factors influencing hearing after stapedectomy. Lidén G, et al. **Scand Audiol** 1981;10(2):117–9

[Anatomic–surgical lesions in otospongiosis] Causse JR, et al. **Acta Otorhinolaryngol Belg** 1981;35(5–6):404–18 (Eng. Abstr.) **(Fre)**

[Technical and statistical conclusions after 20 years of stapedectomy] Depaepe EB, et al. **Acta Otorhinolaryngol Belg** 1981;35(5–6):470–84 (Eng. Abstr.) **(Fre)**

[Surgery of otospongiosis] Causse JB, et al. **J Fr Otorhinolaryngol** 1982 Jan;31(1):47–50 **(Fre)**

[Indications and respective results of platinodecompression and endolymphatic sac decompression in the surgical treatment of Menière's vertigo] Martin H, et al. **J Fr Otorhinolaryngol** 1982 Apr;31(4):241–4, 247–8 **(Fre)**

[Measurement of temperature and sound pressure in the inner ear during application of the argon–laser (author's transl)] Thoma J, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):587–90 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Rehabilitation of the columellar effect] Peytral C, et al. **J Fr Otorhinolaryngol** 1982 Mar;31(3):211–6 (Eng. Abstr.) **(Fre)**

STAPHYLOCOAGULASE see **COAGULASE**

STAPHYLOCOCCAL FOOD POISONING

[Enterotoxigenic Staphylococcus aureus in creamy pastries sold in bakeries and pastry shops in the municipality of São Paulo, Brazil] Iaria ST. **Rev Saude Publica** 1981 Jun; 15(3):321–37 (Eng. Abstr.) **(Por)**

MICROBIOLOGY

[Studies on relationship between Staphylococcus aureus inhabiting human and staphylococcal food poisoning. 3. The outbreaks of food poisoning due to rice ball contaminated with staphylococci inhabiting human (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Nov; 55(11):812–8 (Eng. Abstr.) **(Jpn)**

STAPHYLOCOCCAL INFECTIONS

see related

CROSS INFECTION

Toxic shock syndrome: a retrospective study of 25 cases from Iowa. Helms CM, et al. **Am J Med Sci** 1981 Sep–Oct; 282(2):50–60

Toxic shock syndrome occurring in the luteal phase of the menstrual cycle. Podlas J, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):225–7

Intraspleníc abscess: two case reports and review of the literature. Gangahar DM, et al. **Am Surg** 1981 Nov; 47(11):488–91

Staphylococcal bacteremia and endocarditis: state of the art. Bayer AS. **Arch Intern Med** 1982 Jun;142(6):1169–77

The acute breast abscess. Practical procedures. Qureshi F. **Aust Fam Physician** 1982 Mar;11(3):213–4

Staphylococcal malignant external otitis. Bayardelle P, et al. **Can Med Assoc J** 1982 Jan 15;126(2):155–6

Staphylococcus saprophyticus urinary tract infection. Gerber MA, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):378–9

Bone infarcts in bacterial endocarditis. Eide J. **Hum Pathol** 1982 Jul;13(7):631–4

Toxic shock syndrome. Findlay RF, et al. **Int J Dermatol** 1982 Apr;21(3):117–21 (44 ref.)

Efficacy of ampicillin plus a beta–lactamase inhibitor (CP–45,899) in experimental endocarditis due to Staphylococcus aureus. Washburn RG, et al. **J Infect Dis** 1981 Sep;144(3):237–43

Staphylococcus aureus bacteriuria associated with bacteremia. Hamburger S, et al. **J Kans Med Soc** 1982 Jan; 83(1):9

Staphylococcal nasal carriage and subsequent infection in peritoneal dialysis patients. Sewell CM, et al. **JAMA** 1982 Sep 24;248(12):1493–5

Toxic–shock syndrome not associated with menstruation. A review of 54 cases. Reingold AL, et al. **Lancet** 1982 Jan 2;1(8262):1–4

Prosthetic valve endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Mar;57(3):155–61

Toxic shock syndrome. Norton MM. **Nurs Forum** 1980; 19(4):364–71

Fatal Staphylococcal septicemia following acupuncture: report of two cases. Occurrence of Staphylococcal septicemia following acupuncture emphasizes need for thorough medical evaluation before such procedures. Pierik MG. **RI Med J** 1982 Jun;65(6):251–3

Valve replacement for bacterial endocarditis. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):23–7

[Brodie's abscess] Visser JD, et al. **Ned Tijdschr Geneeskd** 1982 May 15;126(20):896–9 (Eng. Abstr.) **(Dut)**

[Rib osteomyelitis in an infant] Van der Steen M, et al. **Tijd Kindergeneeskd** 1981 Jun;49(3):109–12 (Eng. Abstr.) **(Dut)**

[Staphylococcal toxic shock (letter)] Letellier N, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1080 **(Fre)**

[Staphylococcal toxic shock syndrome (letter)] Tielemans C, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3250–1 **(Fre)**

[Neurologic complication of Staphylococcus aureus septicemia in childhood] Shahar E, et al. **Harefuah** 1981 Jun 15;100(12):568–70 (Eng. Abstr.) **(Heb)**

[Purulent parotitis in the newborn] Yagupsky P, et al. **Harefuah** 1982 Feb 15;102(4):154–5 (Eng. Abstr.) **(Heb)**

[Arthritis in a newborn infant with staphylococcal septicemia] Wąsowicz–Bober A, et al. **Pediatr Pol** 1982 Jan;57(1):51–4 **(Pol)**

[Glomerulonephritis secondary to an infected ventriculo–auricular shunt] Gortázar P, et al. **Gac Med Mex** 1981 Mar;117(3):118–21 **(Spa)**

[Current aspects of sepsis of abdominal origin. II. Prevention and treatment] Boulahfa A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):581–8 (Eng. Abstr.) **(Spa)**

[Current aspects of sepsis of abdominal origin. I. Etiopathogenesis and diagnosis] Gómez Alonso A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):569–80 (Eng. Abstr.) **(Spa)**

[Septicemia caused by Staphylococcus aureus in the Hospital Santo Tomás] Grimaldo de Sucre MP, et al. **Rev Med Panama** 1981 Sep;6(3):260–70 (Eng. Abstr.) **(Spa)**

BLOOD

Cellular and extracellular myeloperoxidase in pyogenic inflammation. Bradley PP, et al. **Blood** 1982 Sep; 60(3):618–22

Hyperthyrocalcitoninemia in toxic shock syndrome. Heimburger DC. **South Med J** 1981 Oct;74(10):1265–6

[Changes in the erythrocyte content of neuraminic acid and enzyme activity in experimental staphylococcal infection] Zakharova NB, et al. **Biol Nauki** 1982;(1):20–3 **(Rus)**

CEREBROSPINAL FLUID

A pharmacokinetic analysis of ampicillin in the cerebrospinal fluid of rabbits with staphylococcal meningitis. Morikawa Y. **Jpn J Antibiot** 1981 Aug;34(8):1178–84

[The passage of mezlocillin into the cerebrospinal fluid. An experimental study in dogs with normal meninges and with Staphylococcus aureus meningitis (author's transl)] Armengaud M, et al. **Nouv Presse Med** 1982 Feb 4;11(5 Pt 2):368–72 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Neurologic complications of Staphylococcus aureus septicaemia in childhood. Shahar E, et al. **Acta Paediatr Acad Sci Hung** 1981;22(3):223–8

Acquired cor triatriatum (left ventricular false aneurysm): complication of active infective endocarditis of the aortic valve with ring abscess treated by valve replacement. McManus BM, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):312–4

Renal manifestations of the staphylococcal toxic–shock syndrome. Chesney RW, et al. **Am J Med** 1981 Oct; 71(4):583–8

Postoperative pseudophakic bacterial endophthalmitis. Zaidman GW, et al. **Am J Ophthalmol** 1982 Feb; 93(2):218–23

Severe staphylococcal pneumonia complicating pyomyositis. Scrimgeour EM, et al. **Am J Trop Med Hyg** 1982 Jul; 31(4):822–6

Toxic shock syndrome — some new features. Oh TE, et al. **Anaesth Intensive Care** 1981 Nov;9(4):376–80

Nonmenstrual toxic shock syndrome: a review of 130 cases. Reingold AL, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):871–4

Septic arthritis in rheumatoid disease causing bilateral shoulder dislocation: diagnosis and treatment assisted by grey scale ultrasonography. Gompels BM, et al. **Ann Rheum Dis** 1981 Dec;40(6):609–11

Extensive botryomycosis in a patient with diabetes and chronic active hepatitis. Leibowitz MR, et al. **Arch Dermatol** 1981 Nov;117(11):739–42

Complications of Staphylococcus aureus bacteremia. Occurrence in patients undergoing long–term hemodialysis. Francioli P, et al. **Arch Intern Med** 1982 Sep;142(9):1655–8

Endocarditis during Staphylococcus aureus septicemia in a population of non–drug addicts. Mirimanoff RO, et al. **Arch Intern Med** 1982 Jul;142(7):1311–3

CSF infections complicating the management of neoplastic meningitis. Clinical features and results of therapy. Trump DL, et al. **Arch Intern Med** 1982 Mar;142(3):583–6

Septic rheumatoid pericarditis complicating Felty's syndrome. Shapiro L, et al. **Arthritis Rheum** 1981 Nov; 24(11):1435–7

Toxic–shock syndrome in a male complicated by oliguric acute renal failure. Raper RF, et al. **Aust NZ J Med** 1982 Feb;12(1):60–2

Primary suppurative myositis. Broadfoot E, et al. **Australas Radiol** 1981 Jul;25(2):175–6

Toxic shock syndrome: coming full circle [editorial] Dan BB, et al. **Can Med Assoc J** 1982 Apr 1;126(7):751–2

Postoperative toxic shock syndrome in a man. Portnoy D, et al. **Can Med Assoc J** 1982 Apr 1;126(7):815, 816

Spiking fever and rash in a postpartum patient. Lauter CB, et al. **Hosp Pract** 1982 Sep;17(9):163,169,175

Protein deficiency and cornea. Ratnakar KS. **Indian J Ophthalmol** 1981 Dec;29(4):463–6

Experimental Candida albicans, Staphylococcus aureus, and Streptococcus faecalis pyelonephritis in diabetic rats. Raffel L, et al. **Infect Immun** 1981 Dec;34(3):773–9

Toxic shock syndrome in a patient with systemic lupus erythematosus. Findlay RF, et al. **Int J Dermatol** 1982 Apr; 21(3):140–1

Squamous cell carcinoma as a complication of chronic osteomyelitis. Cappello JC, et al. **J Foot Surg** 1981 Fall; 20(3):136–41

Diabetes insipidus and anterior pituitary dysfunction after staphylococcal meningitis and multiple brain abscesses. Gatell JM, et al. **J Infect Dis** 1982 Jul;146(1):102

Role of peptidoglycan from Staphylococcus aureus in leukopenia, thrombocytopenia, and complement activation associated with bacteremia. Spika JS, et al. **J Infect Dis** 1982 Aug;146(2):227–34

Aortic aneurysm complicating staphylococcal pericarditis. Ledbetter MK. **J Okla State Med Assoc** 1981 Aug; 74(8):222–5

Instructional case. Herring JA. **J Pediatr Orthop** 1981; 1(2):223–5

Experimental animal endocarditis. Wright AJ, et al. **Mayo Clin Proc** 1982 Jan;57(1):10–4

Toxic shock syndrome associated with symmetrical polyarthritis. Soldin JV, et al. **Minn Med** 1981 May; 64(5):267–9

Toxic–shock syndrome in a young man with a pilonidal abscess [letter] Cobb WB, et al. **N Engl J Med** 1982 Jun 10;306(23):1422–3

Acute dermatomyositis associated with a staphylococcal infection. Haegerty AM, et al. **Postgrad Med J** 1981 Dec; 57(674):796–8

Necrotizing fasciitis–a disease of temperate and warm climates. Seal DV, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):392–5

[Myocardial abscess complicated by cardiac rupture: report of a case (author's transl)] Zhu QY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):291–2 **(Chi)**

[Contribution to the investigation of mixed experimental infections (author's transl)] Ticháček B. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):321–7 (Eng. Abstr.) **(Cze)**

[Anatomo–clinical conference of the Saint–Pierre Hospital] Demanet JC, et al. **Acta Clin Belg** 1981;36(6):305–12 **(Fre)**

[Septicemia due to staphylococcus aureus, mitral–valve

insufficiency, analgesic abuse (author's transl)] Dubach UC, et al. **Praxis** 1982 Apr 20;71(16):685–90 (Eng. Abstr.) **(Ger)**

[Acute endocarditis caused by Staphylococcus aureus in a drug addict] Schivazappa L, et al. **Minerva Cardioangiol** 1982 Mar;30(3):129–31 (Eng. Abstr.) **(Ita)**

[Association of staphylococcal infection and tuberculosis] Kakhidze SIa, et al. **Klin Med (Mosk)** 1981 Dec;59(12):81–3 **(Rus)**

[Long-term sequelae of staphylococcal sepsis in young children] Loverdo RG, et al. **Pediatriia** 1982 Apr(4):53–4 **(Rus)**

[Effect of acute respiratory infections on the pathogenesis of septicopyemia] Ofengeim ML. **Pediatriia** 1982 Apr;(4):11–3 **(Rus)**

[Osteomyelitis of I and II cervical vertebrae] Sidarenko LN, et al. **Vestn Khir** 1981 Dec;127(12):79–80 **(Rus)**

[X-ray diagnosis of pulmonary complications in sepsis] Akiev MD, et al. **Voen Med Zh** 1982 Jun;(6):31–3 **(Rus)**

[Shunt nephritis (author's transl)] Zamora I, et al. **An Esp Pediatr** 1982 Feb;16(2):170–5 (Eng. Abstr.) **(Spa)**

[Gas gangrene caused by Staphylococcus and diabetes mellitus (letter)] Ancochea L, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):256–7 **(Spa)**

[Pulmonary abscesses in staphylococcal sepsis] Montero JP, et al. **Rev Clin Esp** 1981 Oct 15;163(1):47–8 **(Spa)**

[Nasal furunculosis complicated by intracranial staphylococcal infection] Hedström SA, et al. **Lakartidningen** 1981 Oct 21;78(43):3815–6 **(Swe)**

CONGENITAL

[Staphylococcal scalded skin syndrome in a newborn infant of a diabetic mother (author's transl)] Fischer M. **Dermatol Monatsschr** 1981 Dec;167(12):760–5 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Rapidly progressive vegetative endocarditis. Buda AJ, et al. **Acta Cardiol (Brux)** 1982;37(2):85–92

Diagnostic accuracy of M-mode echocardiography in active infective endocarditis and prognostic implications of ultrasound-detectable vegetations. Come PC, et al. **Am Heart J** 1982 May;103(5):839–47

Two-dimensional echocardiographic detection of staphylococcal vegetation attached to calcified mitral anulus. D'Cruz IA, et al. **Am Heart J** 1982 Feb;103(2):295–8

Urinary tract infection due to coagulase-negative staphylococcus. Lewis JF, et al. **Am J Clin Pathol** 1982 Jun;77(6):736–9

Pyomyositis: tropical disease in a temperate climate. Schlech WF 3d, et al. **Am J Med** 1981 Nov;71(5):900–2

Toxic shock syndrome in a postpartum patient. Cheek MG, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):927–8

Tropical pyomyositis. Kallen P, et al. **Arthritis Rheum** 1982 Jan;25(1):107–10

Staphylococcal toxic shock syndrome. Sorrell TC, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):248–51

Staphylococcal toxic diseases. Craig CP. **Del Med J** 1982 Feb;54(2):117–22

Infant with repeated staphylococcal infection and leukocytic defect. Pickering LP. **Hosp Pract** 1982 May;17(5):154, 159

Endemic staphylococcal pseudobacteremia. Stratton CW. **Infect Control** 1981 May–Jun;2(3):251–2

Teichoic acid antibodies in osteomyelitis and septic arthritis caused by Staphylococcus aureus. Tuazon CU. **J Bone Joint Surg [Am]** 1982 Jun;64(5):762–5

Vertebral osteomyelitis in infants. Eismont FJ, et al. **J Bone Joint Surg [Br]** 1982;64(1):32–5

Anti-poly(glycerolphosphate) in human sera. Doyle RJ, et al. **J Clin Microbiol** 1982 Jun;15(6):1169–71

Microtube coagulase test for detection of coagulase-positive staphylococci. Goldstein J, et al. **J Clin Microbiol** 1982 May;15(5):848–51

Bacterial endocarditis in the community hospital. Haddy RI, et al. **J Fam Pract** 1981 Nov;13(6):807–11

Septic bursitis in childhood. Paisley JW. **J Pediatr Orthop** 1982 Mar;2(1):57–61

Bacterial endocarditis and right atrial vegetation. Detection by two-dimensional echocardiography. Eichhorn EJ, et al. **JAMA** 1981 Dec 11;246(23):2724–5

Toxic shock syndrome. Pope TL Jr. **Nurse Pract** 1981 Sep–Oct;6(5):31–2

Staphylococcal toxic shock: two fulminant cases with recovery. Scobie BA. **NZ Med J** 1982 Mar 10;95(703):145–7

Spinal epidural abscess. Yang SY. **NZ Med J** 1982 May 12;95(707):302–4

Probable toxic shock syndrome without shock and multisystem involvement. Bass JW, et al. **Pediatrics** 1982 Aug;70(2):279–81

Assay of teichoic acid antibodies and antistaphylolysin in the diagnosis of Staphylococcal osteomyelitis. Larinkari U. **Scand J Infect Dis** 1982;14(2):123–6

Toxic shock syndrome in the postoperative patient. Dornan KJ, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):65–8

Acute spinal epidural abscess. Report of 4 cases. Liu KN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):971–6

Bacterial prostatitis caused by Staphylococcus saprophyticus. Carson CC, et al. **Urology** 1982 Jun;19(6):576–8

[Suppurative myositis caused by pyogenes: the value of echotomography. Case report] Barbier ML, et al. **Ann Pediatr (Paris)** 1982 May;29(5):353–6 **(Fre)**

[Staphylococcal urinary tract infection in children. 32 cases (author's transl)] Vasmant D, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1313–5 (Eng. Abstr.) **(Fre)**

[Value of anti hemolysin and anti-gammahemolysin assays for the diagnosis of staphylococcal infections, particularly of osteoarthritis (author's transl)] Queneau P, et al. **Sem Hop Paris** 1982 Feb 25;58(8):457–60 (Eng. Abstr.) **(Fre)**

[Acute disseminated staphylococcal disease in childhood] Gedalia A, et al. **Harefuah** 1982 Jan 1;102(1):15–6 (Eng. Abstr.) **(Heb)**

[Abscesses of the left lobe of the liver in a 3 1/2-year-old child] Rusiecka A, et al. **Pediatr Pol** 1981 Jun;56(6):691–3 **(Pol)**

[Bacterial destruction of the lungs in infants in the first 3 months of life] Kukuruza IuP, et al. **Klin Khir** 1981 Aug;(8):58–61 (Eng. Abstr.) **(Rus)**

[Echocardiography in infectious endocarditis] Kasatova TB, et al. **Klin Med (Mosk)** 1981 Feb;59(2):81–5 (Eng. Abstr.) **(Rus)**

[Activated chemoluminescence of the plasma in purulent infections] Dudina EI, et al. **Sov Med** 1981;(8):56–9 (Eng. Abstr.) **(Rus)**

[Infectious endocarditis: diagnosis, clinical aspects and treatment] Anokhin VN, et al. **Ter Arkh** 1981;53(7):53–8 (Eng. Abstr.) **(Rus)**

[Bacterial endocarditis. Relations between the clinical manifestations and the etiological agent] Gogin EE, et al. **Ter Arkh** 1982;54(5):97–101 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of infectious endocarditis in middle-aged and aged patients] Popov VG, et al. **Ter Arkh** 1981;53(5):81–4 (Eng. Abstr.) **(Rus)**

[Acute hematogenic prostatitis with abscess formation in a 13-year-old boy] Plaksin IT, et al. **Vestn Khir** 1981 Sep;127(9):106–7 **(Rus)**

[Significance of epidemiologic, microbiological and immunologic indices for establishing the staphylococcal etiology of diseases] Mordvinova NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):81–6 (Eng. Abstr.) **(Rus)**

[Infectious tricuspid endocarditis. Clinical and echocardiographic study] Torino AF, et al. **Medicina (B Aires)** 1981;41(5):535–42 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Interstitial nephritis caused by methicillin. Studies in a case complicating staphylococcal sepsis with acute glomerulonephritis. Silverstein RL, et al. **Am J Clin Pathol** 1981 Sep;76(3):316–21

Primary lung abscess in childhood: the long-term outcome of conservative management. Asher MI, et al. **Am J Dis Child** 1982 Jun;136(6):491–4

Primary pulmonary abscess [editorial] Powell KR. **Am J Dis Child** 1982 Jun;136(6):489–90

Agranulocytosis associated with chronic oral administration of cloxacillin for suppression of staphylococcal osteomyelitis. Shah I, et al. **Am J Hematol** 1982 Apr;12(2):203–6

Use of 3 percent hexachlorophene baths to control patient colonization by oxacillin and aminoglycoside-resistant Staphylococcus aureus [letter] Arroyo JC, et al. **Am J Med** 1982 Jan;72(1):112, 156

Staphylococcus aureus: cellular biology and clinical application. Kaplan MH, et al. **Am J Med** 1982 Feb;72(2):248–58

Sterilization of Ommaya reservoir by instillation of vancomycin. Sutherland GE, et al. **Am J Med** 1981 Dec;71(6):1068–70

The emergence of methicillin-resistant Staphylococcus aureus infections in United States hospitals. Possible role of the house staff-patient transfer circuit. Haley RW, et al. **Ann Intern Med** 1982 Sep;97(3):297–308

Vancomycin therapy for methicillin-resistant Staphylococcus aureus. Sorrell TC, et al. **Ann Intern Med** 1982 Sep;97(3):344–50

Treatment of infections due to methicillin-resistant Staphylococcus aureus. Watanakunakorn C. **Ann Intern Med** 1982 Sep;97(3):376–8

The emergence of methicillin-resistant Staphylococcus aureus. Wenzel RP. **Ann Intern Med** 1982 Sep;97(3):440–2

Bacterial endophthalmitis: culture proven failure of combined systemic, periocular, and topical antibiotics. Mirate DJ, et al. **Ann Ophthalmol** 1981 Dec;13(12):1341–2

Clindamycin therapy of experimental Staphylococcus aureus endocarditis. Scheld WM, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):646–9

Cefoperazone treatment of experimental endocarditis. Snepar RA, et al. **Antimicrob Agents Chemother** 1981 May;19(5):773–6

Staphylococcus epidermidis in CSF infections [letter] Lockman D, et al. **Arch Intern Med** 1982 Sep;142(9):1756

Tolerant Staphylococcus aureus causing vertebral osteomyelitis. Musher DM, et al. **Arch Intern Med** 1982 Mar;142(3):632–4

Antibiotic administration in bacterial keratitis [letter] Davis SD, et al. **Arch Ophthalmol** 1982 Jun;100(6):1010–1

Bacterial endocarditis with a tolerant staphylococcal organism. McMillan JA, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):252–4

Trimethoprim-sulfamethoxazole treatment of multiantibiotic-resistant staphylococcal endocarditis and meningitis. Tamer MA, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):125–6

Failure of rifampin to eradicate methicillin-resistant Staphylococcus aureus colonization. Canawati HN, et al. **Clin Ther** 1982;4(6):526–31

Observations relating to an inter-hospital outbreak of methicillin-resistant Staphylococcus aureus: role of antimicrobial therapy in infection control. Ward TT, et al. **Infect Control** 1981 Nov–Dec;2(6):453–9

An epidemic oc gentamicin/cloxacillin resistant staphylococcal infection in a neonatal unit. Mulhern B, et al. **Ir Med J** 1981 Aug;74(8):228–9

Severe staphylococcal infections treated with vancomycin. Cafferkey MT, et al. **J Antimicrob Chemother** 1982 Jan;9(1):69–74

Cefazolin versus cephalothin in beta-lactamase-producing Staphylococcus aureus endocarditis in a rabbit experimental model. Carrizosa J, et al. **J Antimicrob Chemother** 1982 May;9(5):387–93

Choice of chemotherapy for infection by Staphylococcus aureus. Williams RF. **J Antimicrob Chemother** 1982 Jan;9(1):1–3

Ocular penetration of subconjunctival oxacillin, methicillin, and cefazolin in rabbits with staphylococcal endophthalmitis. Barza M, et al. **J Infect Dis** 1982 Jun;145(6):899–903

The role of antibiotic tolerance in the response to treatment of pyelonephritis due to Staphylococcus aureus in rats. Guze PA, et al. **J Infect Dis** 1982 Feb;145(2):169–73

Therapy of methicillin-resistant Staphylococcus epidermidis experimental endocarditis. Lowy FD, et al. **J Lab Clin Med** 1982 Jul;100(1):94–104

Vancomycin and rifampin therapy for Staphylococcus epidermidis meningitis associated with CSF shunts: report of three cases. Gombert ME, et al. **J Neurosurg** 1981 Oct;55(4):633–6

Cephalexin in chronic osteomyelitis. Hughes SP, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):335–9

A study of the effectiveness of rifaprim in chronic prostatitis caused mainly by Staphylococcus aureus. Giamarellou H, et al. **J Urol** 1982 Aug;128(2):321–4

Nafcillin-tolerant Staphylococcus epidermidis endocarditis. Arthur JD, et al. **JAMA** 1982 Jan 22–29;247(4):487–8

Other indications for chloramphenicol and vancomycin [letter] Coleman TJ. **Lancet** 1982 Sep 11;2(8298):613

Pediatric endocarditis. Johnson CM, et al. **Mayo Clin Proc** 1982 Feb;57(2):86–94

Staphylococcal infective endocarditis. Thompson RL. **Mayo Clin Proc** 1982 Feb;57(2):106–14 (66 ref.)

Methicillin-resistant Staphylococcus aureus bacteraemia. McDonald M, et al. **Med J Aust** 1981 Aug 22;2(4):191–4 (35 ref.)

Management of infected cerebellar stimulation systems. Davis R, et al. **Neurosurgery** 1982 Mar;10(3):340–3

Staphylococcus epidermidis endophthalmitis. Visual outcome following noninvasive therapy. O'Day DM, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):354–60

Vancomycin therapy for infective endocarditis. Geraci JE, et al. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S250–8

Introduction to vancomycin. Griffith RS. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S200–4

Vancomycin therapy in severe staphylococcal infections. Kirby WM. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S236–9

Evaluation of antimicrobial agents in the rabbit model of endocarditis. Sande MA. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S240–9

Pharmacology and efficacy of vancomycin for staphylococcal infections in children. Schaad UB, et al. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S282–8

Staphylococcal bacteremia in cancer patients: intravenous and oral antimicrobial therapy. Carney DN, et al. **South Med J** 1982 Feb;75(2):143–6

Clindamycin versus nafcillin or methicillin in the treatment of Staphylococcus aureus osteomyelitis in children. Kaplan SL, et al. **South Med J** 1982 Feb;75(2):138–42

Factors involved in the antibiotic treatment of cerebrospinal fluid shunt infections. Bayston R, et al. **Z Kinderchir** 1981 Dec;34(4):339–45

[Vancomycin: treatment of staphylococcal septicemias and pseudomembranous colitis] Chevrel B. **Med Chir Dig** 1982;11(3):217–21 **(Fre)**

[Multiresistant Staphylococcus epidermidis septicemia with meningeal localization. Cure by general and intrathecal administration of vancomycin (letter)] Raoult D, et al. **Nouv Presse Med** 1981 Dec 26;10(47):3855–6 **(Fre)**

[Treatment of severe infections and septicemia caused by S. aureus (author's transl)] Coppens L. **Rev Med Brux** 1982 Jun;3(6):403–8 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of azlocillin in the perilymph and otitis media] Federspil P. **ZFA (Stuttgart)** 1982 Apr 20;58(11):649–50 **(Ger)**

[Laboratory and clinical studies of cefmetazole in serious infection by Staphylococcus (author's transl)] Motohiro T, et al. **Jpn J Antibiot** 1982 Mar;35(3):821–34 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluations of cefmetazole against dermal infections by S. aureus (author's transl)] Watanabe Y, et al. **Jpn J Antibiot** 1982 Jan;35(1):261–7 (Eng. Abstr.) **(Jpn)**

[Prospects in antibiotic treatment of ophthalmologic diseases]

Oishi M. **Nippon Rinsho** 1981 Jan;39(1):92–7 **(Jpn)**
[Effect of streptokinase, traskolan and sefril on the development of experimental osteomyelitis. I. Evaluation of local bone changes] Hajduk A, et al. **Patol Pol** 1981; 32(2):225–31 **(Pol)**
[Results of cholestyramine treatment of chronic infantile diarrhea] Iwańczak F. **Pol Tyg Lek** 1981 Apr 13; 36(15):525–8 (Eng. Abstr.) **(Pol)**
[Use of the NBT test in monitoring staphylococcal infections in infants and young children] Spineanu R, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct–Dec; 29(4):363–8 **(Rum)**
[Effect of antibiotic and vaccine therapies on the succinate dehydrogenase and phosphatase activity of liver cells of mice infected with Staphylococcus] Balakliets NI, et al. **Antibiotiki** 1982 Jan;27(1):41–4 (Eng. Abstr.) **(Rus)**
[Therapeutic action of proteolytic enzymes and antibiotics in experimental staphylococcal infection. The effect of lincomycin, chymotrypsin and their combinations on the level of autoplaque-forming cells in the blood and the immune adherence reaction of staphylococci] Berenshteĭn TF, et al. **Antibiotiki** 1981 Sep;26(9):689–91 (Eng. Abstr.) **(Rus)**
[Microbiological substantiation of the use of erycycline in the therapy of chronic pyoderma] Bukharovich AM. **Antibiotiki** 1982 Mar;27(3):199–202 (Eng. Abstr.) **(Rus)**
[Dicloxacillin the treatment of suppurative inflammatory processes at various sites] Fomina IP, et al. **Antibiotiki** 1982 Jan;27(1):61–5 (Eng. Abstr.) **(Rus)**
[Staphylococcal necrotic suppurative encephalomeningitis in mice as a chemotherapeutic model] Shipilova LD, et al. **Antibiotiki** 1982 May;27(5):353–6 (Eng. Abstr.) **(Rus)**
[Use of pancreatin in the treatment of purulent-necrotic ulcers in patients with diabetes mellitus] Skripnichenko DF, et al. **Klin Khir** 1981 Dec;(12):30–1 (Eng. Abstr.) **(Rus)**
[Clinical and experimental bases for using dibasol in inflammatory diseases of the maxillofacial area] Alekhova TM. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):15–7 (Eng. Abstr.) **(Rus)**
[Levamisole-induced changes of cellular immunity in patients with staphyloderma and indications for levamisole administration] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1982; (1):14–9 (Eng. Abstr.) **(Rus)**
[Antibiotic therapy of staphylococcal pyodermatitis] Shaposhnikov OK, et al. **Voen Med Zh** 1981 Sep;(9):35–7 **(Rus)**

ENZYMOLOGY

[Content of the basic proteolytic enzyme inhibitors in the blood serum in acute intestinal infections in children] Bogadel'nikov IV, et al. **Pediatriia** 1981 Jul;(7):30–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Hypertrophic osteoarthropathy of a lower extremity in association with arterial graft sepsis. Walter RD, et al. **AJR** 1981 Nov;137(5):1059–61
Risk factors for staphylococcal toxic-shock syndrome. Kehrberg MW, et al. **Am J Epidemiol** 1981 Dec; 114(6):873–9
MRSA in a hospital social worker [letter] Octavio J, et al. **Am J Med** 1982 Feb;72(2):A61
Nosocomial septicemia due to multiply antibiotic-resistant Staphylococcus epidermidis. Christensen GD, et al. **Ann Intern Med** 1982 Jan;96(1):1–10
Possible mechanisms for vaginal infection with Staphylococcus aureus: inferences drawn from studies of nosocomial infection of newborn infants and surgical patients. Mortimer EA. **Ann Intern Med** 1982 Jun;96(6 Pt 2):934–6
Methicillin-resistant Staphylococcus aureus. Epidemiologic observations during a community-acquired outbreak. Saravolatz LD, et al. **Ann Intern Med** 1982 Jan;96(1) 11–6
Nasal septal abscess of dental origin. da Silva M, et al. **Arch Otolaryngol** 1982 Jun;108(6):380–1
Toxic-shock syndrome: four cases in a London hospital. Dixey JJ, et al. **Br Med J [Clin Res]** 1982 Jul 31; 285(6338):342–3
Staphylococcal scalded skin syndrome: a complication of circumcision. Anday EK, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):420
Septic dislocation of the hip after internal fixation of trochanteric fractures. Evans PE. **Injury** 1981 Nov; 13(3):185–7
Right-sided endocarditis complicating prolonged central venous catheterisation. Dawes PT, et al. **Intensive Care Med** 1981;7(5):245–6
Septicaemia in a renal unit. Cronin CJ, et al. **Ir J Med Sci** 1982 May;151(5):140–4
Spinal infection caused by acupuncture mimicking a prolapsed intervertebral disc. A case report. Hadden WA, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):624–6
Brain abscess after insertion of skull traction. Kaye AH, et al. **J Bone Joint Surg [Br]** 1982;64(4):500–2
Infection following pulp pull-through technique of flexor tendon grafting. Schlenker JD. **J Hand Surg** 1981 Nov; 6(6):550–2
The pathogenesis and microbiology of idiopathic cervicofacial abscesses. Adekeye EO, et al. **J Oral Maxillofac Surg** 1982 Feb;40(2):100–6
Untoward effect of a face peel: toxic shock syndrome [news] Korcok M. **JAMA** 1982 Jul 2;248(1):23
Toxic shock syndrome following submucous resection and rhinoplasty. Thomas SW, et al. **JAMA** 1982 May 7; 247(17):2402–3
Toxic-shock syndrome associated with diaphragm use [letter] **N Engl J Med** 1981 Dec 24;305(26):1585–6
Primary renal transplant wound infections. Hoy WE, et al. **NY State J Med** 1981 Sep;81(10):1469–73
Late unheralded pacemaker pocket infection due to Staphylococcus epidermidis: a new clinical entity. Wohl B, et al. **PACE** 1982 Mar;5(2):190–5
Bacteremia due to Staphylococcus aureus in patients with cancer: report on 45 cases in adults and review of the literature. Carney DN, et al. **Rev Infect Dis** 1982 Jan–Feb; 4(1):1–12
Toxic shock syndrome in a man. McClelland JJ, et al. **South Med J** 1982 Aug;75(8):1027–8
Empyema after internal jugular catheterisation in rheumatoid arthritis. Antony VB, et al. **Thorax** 1981 Dec;36(12):958–9
[Toxic staphylococcal shock syndrome with an extragynecologic entry (letter)] Abadie JC, et al. **Nouv Presse Med** 1981 Dec 19;10(46):3793 **(Fre)**
[Toxic shock syndrome caused by Staphylococcus aureus group II producing enterotoxin B (letter)] Granthil C, et al. **Nouv Presse Med** 1982 Jan 9;11(1):54 **(Fre)**
[Antibiotic-associated colitis (author's transl)] Kussmann J, et al. **Infection** 1982 Jan;10(1):53 **(Ger)**
[Pathogenesis of localized forms of staphylococcal infections] Morgunov IN, et al. **Mikrobiol Zh** 1982 Jan–Feb;44(1):76–9 (Eng. Abstr.) **(Rus)**
[Lymphocyte subpopulations in the etiology and treatment of septicemia in young children] Novikova VI. **Pediatriia** 1981 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**
[Causes of the development and chronic course of inflammatory diseases in diabetes mellitus] Zhukov NA, et al. **Ter Arkh** 1982;54(2):99–101 (Eng. Abstr.) **(Rus)**
[Metastatic lung abscesses] Zakharov SN, et al. **Vestn Khir** 1981 Sep;127(9):8–12 (Eng. Abstr.) **(Rus)**
[Acute pelvic osteomyelitis caused by Staphylococcus aureus in handball and soccer players] Hedström SA, et al. **Lakartidningen** 1981 Oct 7;78(41):3601–2 (Eng. Abstr.) **(Swe)**

IMMUNOLOGY

Precipitating antibodies against Staphylococcus aureus in serum from patients with staphylococcal septicaemia, investigated by means of quantitative immunoelectrophoretic methods. Espersen F, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):261–6
Incorporation of [14C]-leucine into complement in experimental infection of rats in malnourished stages. Sakamoto M, et al. **Am J Clin Nutr** 1981 Oct;34(10):2127–32
Opsonic fibronectin deficiency and sepsis. Cause or effect? Lanser ME, et al. **Ann Surg** 1982 Mar;195(3):340–5
Staphylococcal and human dander IgE antibodies in superinfected atopic dermatitis. Hénocq E, et al. **Clin Allergy** 1982 Mar;12(2):113–20
Nonphagocytic clearance of Staphylococcus aureus from murine lungs. Nugent KM, et al. **Infect Immun** 1982 Jun; 36(3):1185–91
Antibody levels to bacterial peptidoglycan in human sera during the time course of endocarditis and bacteremic infections caused by Staphylococcus aureus. Zeiger AR, et al. **Infect Immun** 1981 Sep;33(3):795–800
Dissociated impairment of neutrophil functions and recurrent infections. Chastel C, et al. **Infection** 1982;10(3):125–7
Antistaphylococcal IgE in patients with atopic dermatitis. Abramson JS, et al. **J Am Acad Dermatol** 1982 Jul; 7(1):105–10
The relationship of capsular-type of Staphylococcus epidermidis to virulence and induction of resistance in the mouse. Ichiman Y, et al. **J Appl Bacteriol** 1981 Oct; 51(2):229–41
Stimulation of the intracellular killing of Staphylococcus aureus by monocytes: regulation by immunoglobulin G and complement components C3/C3b and B/Bb. Leijh PC, et al. **J Immunol** 1982 Jul;129(1):332–7
IgM antibody response to staphylococcal infection. Wheat LJ, et al. **J Infect Dis** 1981 Oct;144(4):307–11
Staphylococcus aureus antibodies in patients with staphylococcal septicemia. Comparisons between solid-phase radioimmunoassay and crossed immunoelectrophoresis. Christensson B, et al. **Scand J Infect Dis** 1982;14(2):155–6
Recurrent Staphylococcal furunculosis: lymphocyte subsets and plasma immunoglobulins. Valmin K, et al. **Scand J Infect Dis** 1982;14(2):153–4
[Effect of staphylococcal anatoxin immunization on the course of experimental intrauterine staphylococcal infection] Silin VA, et al. **Akush Ginekol (Mosk)** 1981 Jun; (6):54–5 **(Rus)**
[Anti-infection immunity during combined treatment of esophageal cancer] Kochetkova VA, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):16–9 (Eng. Abstr.) **(Rus)**
[Correlation between microflora and indices of immunity in cosmonaut carriers of nasal Staphylococcus aureus during the preflight period] Nikolaeva TN, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):40–3 (Eng. Abstr.) **(Rus)**
[Immunological tolerance in the pathogenesis of 'persistent' carriage of pathogenic staphylococci] Kasymov KT. **Lab Delo** 1981;(5):300–4 (Eng. Abstr.) **(Rus)**
[Immunological reactivity of the body in pyoderma in workers of the eastern zone of the Baĭkal-Amur Railroad] Bogdanova NK, et al. **Sov Med** 1981;(8):114–5 **(Rus)**
[Lymphocyte blast-transformation in children with intestinal infections] Feklisova LV, et al. **Sov Med** 1981;(9):99–101 **(Rus)**
[Clinical-laboratory characteristics of sepsis] Bilibin AF, et al. **Ter Arkh** 1981;53(10):14–7 **(Rus)**
[Role of concomitant internal diseases, foci of chronic infection and frequent colds in disorders of immune reactions in staphylococcal skin diseases] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1982 Feb;(2):11–6 (Eng. Abstr.) **(Rus)**
[Immune response in a nonfatal staphylococcal infection in guinea pigs] Belotskiĭ SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):98–100 (Eng. Abstr.) **(Rus)**
[Use of a countercurrent immunoelectrophoretic method for isolating antistaphylococcal antibodies and staphylococcal antigen in the blood serum of children with staphylococcal infections] Fomenko GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):30–3 (Eng. Abstr.) **(Rus)**
[Enhanced nonspecific anti-infective resistance of animals with the use of a polysaccharide complex of plant origin] Goncharov AI. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):89–94 (Eng. Abstr.) **(Rus)**
[Anti-teichoic-acid antibodies is staphylococcal infections] Gómez Garcés JL, et al. **Rev Clin Esp** 1982 Feb 15; 164(3):169–72 (Eng. Abstr.) **(Spa)**

METABOLISM

Penetration of ocular tissues and fluids by moxalactam in rabbits with staphylococcal endophthalmitis. Kane A, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):595–9
The effects of infection and probenecid on the transport of carbenicillin from the rabbit vitreous humor. Barza M, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):720–6
[Characteristics of disorders of fluid distribution of the body in purulent-septic diseases in children and pathogenetic substantiation of their correction] Moin VM. **Pediatriia** 1982 May;(5):43–8 **(Rus)**

MICROBIOLOGY

The effect of menses and use of catamenial products on cervical carriage of Staphylococcus aureus. Noble VS, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):186–9
Structural and phenotypic varieties of gentamicin resistance plasmids in hospital strains of Staphylococcus aureus and coagulase-negative staphylococci. Jaffe HW, et al. **Antimicrob Agents Chemother** 1982 May;21(5):773–9
Subcutaneous staphylococcal infections in mice: the influence of antibiotics on staphylococcal extracellular products. Shibl AM. **Chemotherapy** 1982;28(1):46–53
Coagulase-negative staphylococci. Aldridge KE. **Infect Control** 1982 Mar–Apr;3(2):161–5
Clinical and laboratory studies of nosocomial Staphylococcus aureus resistant to methicillin and aminoglycosides. Bock BV, et al. **Infect Control** 1982 May–Jun;3(3):224–8
Methicillin-resistant Staphylococcus aureus: interstate spread of nosocomial infections with emergence of gentamicin-methicillin resistant strains. Saroglou G, et al. **Infect Control** 1980 Mar–Apr;1(2):81–9
Plasmid pattern analysis of Staphylococcal epidermidis isolates from patients with prosthetic valve endocarditis. Archer GL, et al. **Infect Immun** 1982 Feb;35(2):627–32
Natural history of aortic valve endocarditis in rats. Héraïef E, et al. **Infect Immun** 1982 Jul;37(1):127–31
Enterotoxigenic staphylococci in Sri Lanka. Palasuntheram C, et al. **J Appl Bacteriol** 1982 Feb;52(1):39–41
Evidence against the practicality and cost-effectiveness of a gram-positive coccal selective plate for routine urine cultures. Bale MJ, et al. **J Clin Microbiol** 1981 Dec; 14(6):617–9
Species identification and susceptibility to 17 antibiotics of coagulase-negative staphylococci isolated from clinical specimens. Marsik FJ, et al. **J Clin Microbiol** 1982 Apr; 15(4):640–5
Distribution of coagulase-negative staphylococci in human infections. Papapetropoulos M, et al. **J Hosp Infect** 1981 Jun;2(2):145–53
Wound infections and nasal colonization of staff with Staphylococcus aureus in Benin, Nigeria. Wemambu SN. **J Hosp Infect** 1981 Sep;2(3):259–60
Hospital-acquired infections in a burns unit caused by an imported strain of Staphylococcus aureus with unusual multi-resistance. Espersen F, et al. **J Hyg (Lond)** 1982 Jun; 88(3):535–41
Bacteremia due to methicillin-resistant Staphylococcus aureus. Myers JP, et al. **J Infect Dis** 1982 Apr;145(4):532–6
Methicillin-resistant Staphylococcus aureus in neonatal nurseries. Two years' experience in special-care nurseries in Melbourne. Gilbert GL, et al. **Med J Aust** 1982 May 29;1(11):455–9
Antibiotic-associated diarrhoea and methicillin-resistant Staphylococcus aureus. McDonald M, et al. **Med J Aust** 1982 May 29;1(11):462–4
Epidemic of hospital-acquired infection due to methicillin-resistant Staphylococcus aureus in major Victorian hospitals. Pavillard R, et al. **Med J Aust** 1982

May 29;1(11):451–4
Studies of the staphylococcal causation of toxic shock syndrome. Altemeier WA, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):481–5
[Staphylococci in the hospital environment sensitivity to antibiotics] Ben Redjeb S, et al. **Tunis Med** 1981 Jul–Aug; 59(4):307–9 (Eng. Abstr.) **(Fre)**
[Actual resistance of Staphylococcus aureus: beta–Lactamase production and susceptibility to various penicillins and erythromycin (author's transl)] Haller I, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):479–86 (Eng. Abstr.) **(Ger)**
[Endocarditis caused by coagulase negative staphylococci] Weintraub M, et al. **Harefuah** 1981 Apr 15;100(8):375–6 (Eng. Abstr.) **(Heb)**
[Sensitivity of Staphylococcus aureus isolated clinically to CEPs. Results obtained with strains originating in superficial abscess in infants (author's transl)] Deguchi K. **Jpn J Antibiot** 1982 Mar;35(3):807–11 (Eng. Abstr.) **(Jpn)**
[Basic study on efficacy of cefmetazole against osseous and articular infections (author's transl)] Kawashima M, et al. **Jpn J Antibiot** 1982 Mar;35(3):835–9 (Eng. Abstr.) **(Jpn)**
[Mass carrier state of Staphylococcus aureus type 187 of canine origin in a neonatal ward] Kryński S, et al. **Przegl Epidemiol** 1981;35(4):517–20 (Eng. Abstr.) **(Pol)**
[Sensitivity of bacteria to antibiotics in urinary tract infection] Mróz E, et al. **Wiad Lek** 1981 Jul 1;34(13):1085–9 (Eng. Abstr.) **(Pol)**
[Comparative antibiotic sensitivity characteristics of the staphylococci isolated from ambulatory and hospitalized patients] Gerasimenko DD, et al. **Antibiotiki** 1981 Sep; 26(9):683–7 (Eng. Abstr.) **(Rus)**
[Rapid method for identifying staphylococci isolated from pathological specimens] Dekhtsunian KM, et al. **Lab Delo** 1981;(5):312 **(Rus)**
[Identification of coagulase–negative staphylococci in diagnostic studies] Kuz'minskiĭ SN, et al. **Lab Delo** 1981; (8):498–501 (Eng. Abstr.) **(Rus)**
[Species classification of staphylococci isolated in various human diseases] Gerasimenko DD, et al. **Mikrobiol Zh** 1982 Mar–Apr;44(2):74–5 **(Rus)**
[Possibilities of resuming breast feeding after suppurative or inflammatory breast diseases] Gladkova KK, et al. **Pediatriia** 1982 Feb;(2):21–4 (Eng. Abstr.) **(Rus)**
[Microbiological and immunological characteristics of suppurative inflammatory processes in the maxillofacial area] Ivasenko PI, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):42–4 (Eng. Abstr.) **(Rus)**
[Staphylococcal syndrome of burned skin: the isolation of II–phage group Staphylococcus aureus and the experimental reproduction of the syndrome] Baliavichene GR. **Vestn Dermatol Venerol** 1981 May;(5):8–12 (Eng. Abstr.) **(Rus)**
[Microbial flora characteristics in septic states in dermatology patients] Starostina ZD, et al. **Vestn Dermatol Venerol** 1981 May;(5):48–51 (Eng. Abstr.) **(Rus)**
[Coagulase–negative Staphylococci isolated from patients. III. Phage typing] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):59–63 (Eng. Abstr.) **(Rus)**
[Characteristics of the causative agent and of the immunological status of the body in experimental dormant staphylococcal infection] Shilov AB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):74–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Infective endocarditis: a lethal disease. Ormiston JA, et al. **Aust NZ J Med** 1981 Dec;11(6):620–9

OCCURRENCE

Postoperative infections in the small hospital. A prospective one–year study. Järhult J, et al. **Acta Chir Scand** 1981; 147(5):325–9
Epidemiology of nosocomial infections caused by methicillin–resistant Staphylococcus aureus. Thompson RL, et al. **Ann Intern Med** 1982 Sep;97(3):309–17
Common R–plasmids in Staphylococcus aureus and Staphylococcus epidermidis during a nosocomial Staphylococcus aureus outbreak. Cohen ML, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):210–5
Epidemiologic studies of an outbreak of nosocomial methicillin–resistant Staphylococcus aureus infections. Boyce JM, et al. **Infect Control** 1981 Mar–Apr;2(2):110–6
Effective and creative surveillance and reporting of surgical wound infections. Kaiser AB. **Infect Control** 1982 Jan–Feb; 3(1):41–3
Bacteraemia in Dublin due to gentamicin–resistant Staphylococcus aureus. Hone R, et al. **J Hosp Infect** 1981 Jun;2(2):119–26
Culturing an epidemic of staphylococci in the mass media. Blum A. **Med J Aust** 1982 May 29;1(11):475–9
Septicaemia in a general hospital. Oldfield GS, et al. **Med J Aust** 1982 Feb 20;1(4):169–72
A controlled evaluation of the risk of bacterial endocarditis in persons with mitral–valve prolapse. Clemens JD, et al. **N Engl J Med** 1982 Sep 23;307(13):776–81
Nasal carriers of coagulase–positive staphylococci in a Nigerian hospital community. Paul MO, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):319–23
[Diffusion of S. aureus in a high–risk hospital environment] Orefici G, et al. **Ann Ist Super Sanita** 1981;17(4):843–8 **(Ita)**
[Epidemiology of multiresistant S. aureus in a burn center] Somenzi P, et al. **Boll Ist Sieroter Milan** 1981 May; 60(2):95–101 (Eng. Abstr.) **(Ita)**
[Role of staphylococcal bacteremia in the present–day course of meningococcal infection] Ivanova RI, et al. **Pediatriia** 1981 Jul;(7):11–3 (Eng. Abstr.) **(Rus)**
[Staphylococcal septicemia in children. Clinical analysis of 11 cases. Regional Hospital of Valdivia] Escobar Orellana L, et al. **Rev Chil Pediatr** 1981 Sep–Oct;52(5):381–6 (Eng. Abstr.) **(Spa)**
[Analysis of bacterial septicemia in newborn infants in the last 5 years in the Pediatric Service of the Leonardo Guzmán Regional Hospital of Antofagasta] Yáñez JM, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):213–7 (Eng. Abstr.) **(Spa)**
[Toxic shock syndrome] Thomas IR. **Salud Publica Mex** 1982 Jan–Feb;24(1):61–2 **(Spa)**

PATHOLOGY

Tampon–related toxic–shock syndrome. Histopathologic and clinical findings in a fatal case. Blair JD, et al. **Am J Clin Pathol** 1982 Sep;78(3):372–6
Measurement of cutaneous inflammation: estimation of neutrophil content with an enzyme marker. Bradley PP, et al. **J Invest Dermatol** 1982 Mar;78(3):206–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 44–1981. Pericardial disorder after treatment of Hodgkin's disease. **N Engl J Med** 1981 Oct 29;305(18):1081–7
[Structural changes in renal tissue in experimental staphylococcal septicopyemia] Botkina EM, et al. **Antibiotiki** 1981 Aug;26(8):623–8 (Eng. Abstr.) **(Rus)**
[Healing of metastatic septic lesions] Baliabin AA. **Arkh Patol** 1981;43(5):56–9 (Eng. Abstr.) **(Rus)**
[2 cases of a favorable outcome in severe staphylococcal sepsis] Bochorishvili VG, et al. **Klin Med (Mosk)** 1981; 59(7):111–2 **(Rus)**
[Case of staphylococcal sepsis accompanied by septicopyemia] Sapozhnikov SM, et al. **Klin Med (Mosk)** 1982 May;60(5):105–6 **(Rus)**
[Experimental ornithosis and staphylococcal infection] Kuz'menko VP, et al. **Mikrobiol Zh** 1981 Nov–Dec; 43(6):774–9 (Eng. Abstr.) **(Rus)**
[Morphology of umbilical sepsis under present–day conditions] Ivanovskaia TE, et al. **Pediatriia** 1981 Sep; (9):5–8 **(Rus)**
[Inflammation and regeneration in the tissues of purulent wounds closed with primary sutures] Khanin AG, et al. **Sov Med** 1981;(11):105–8 **(Rus)**

PHYSIOPATHOLOGY

Toxic shock syndrome without rash in a 14–year–old girl. Baptist EC, et al. **South Med J** 1981 Nov;74(11):1425
[Anterior pituitary and adrenocortical hormones and cellular immunity in newborn infants with staphylococcal infection] Baklanova TA, et al. **Pediatriia** 1982 Feb;(2):18–21 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Methicillin–resistant Staphylococcus aureus: experience in a general hospital over four years. Linnemann CC Jr, et al. **Am J Epidemiol** 1982 Jun;115(6):941–50
Penetration of ceforanide and cefamandole into the right atrial appendage, pericardial fluid, sternum, and intercostal muscle of patients undergoing open heart surgery. Mullany LD, et al. **Antimicrob Agents Chemother** 1982 Mar; 21(3):416–20
Silver antibacterial bone cement. Comparison with gentamicin in experimental osteomyelitis. Dueland R, et al. **Clin Orthop** 1982 Sep;(169):264–8
Chemoprophylaxis of experimental endocarditis caused by Staphylococcus aureus. Dhawan VK, et al. **J Antimicrob Chemother** 1982 Apr;9(4):319–24
Clindamycin therapy of staphylococcal pulmonary infections in patients with cystic fibrosis. Shapera RM, et al. **J Pediatr** 1981 Oct;99(4):647–50
Recommendations for control of the spread of methicillin–resistant Staphylococcus aureus infection based on 18 years' experience in a group of teaching hospitals. Bell SM. **Med J Aust** 1982 May 29;1(11):472–4
Control and elimination of an MRSA outbreak [letter] Jones L, et al. **Med J Aust** 1982 May 29;1(11):480
Administrative considerations in an infective outbreak. Westwood G, et al. **Med J Aust** 1982 May 29;1(11):470–2
Peritonitis during continuous ambulatory peritoneal dialysis: improving patient defense by type of buffer of dialysate? Binswanger U, et al. **Nephron** 1981;28(6):300–2
Capsular contracture around silicone implants: the role of intraluminal antibiotics. Shah Z, et al. **Plast Reconstr Surg** 1982 May;69(5):809–14
[Infections in neurosurgery] Mello LR, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):54–66 (Eng. Abstr.) **(Por)**
[Comparative efficacy of prodigiozan and levamisole during allotransplantation] Alekhin EK. **Antibiotiki** 1982 Mar; 27(3):191–5 (Eng. Abstr.) **(Rus)**
[Prevention of staphylococcal infections in manned space flight] Zaloguev SN, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):27–9 (Eng. Abstr.) **(Rus)**
[Preventive express immunization with staphylococcal anatoxin in open fractures of long tubular bones] Revenko TA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):9–11 (Eng. Abstr.) **(Rus)**
[Changes in the anti–infection immunity indices of esophageal cancer patients undergoing combined immunization against staphylococcal and Pseudomonas aeruginosa infections] Kochetkova VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):91–5 (Eng. Abstr.) **(Rus)**
[Experimental basis and clinical immunological study of the prevention of staphylococcal infection with anatoxin and sodium nucleinate] Zemskov MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):92–5 **(Rus)**
[Experimental prerequisites for the anatoxin–RNAse prophylaxis of staphylococcal infections] Zemskov MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):75–9 **(Rus)**

RADIOGRAPHY

Staphylococcal osteomyelitis. Deluca SA, et al. **Am Fam Physician** 1982 Mar;25(3):119–20
[Perinephric–abscess in the newborn (author's transl)] Schiavetti E, et al. **Ann Radiol (Paris)** 1981 Sep–Oct; 24(6):532–4 (Eng. Abstr.) **(Fre)**
[Radiological case of the month] Delaporte B, et al. **Arch Fr Pediatr** 1981 Nov;38(9):709–10 **(Fre)**

RADIONUCLIDE IMAGING

Scintigraphic demonstration of pyogenic sacroiliitis. Gupta S, et al. **Clin Nucl Med** 1982 Jun;7(6):295
Soft tissue extremity abscess: an atypical appearance on Ga–67 scan. Novetsky GJ, et al. **Clin Nucl Med** 1982 Jul; 7(7):325–6
Imaging with Tc–99m MDP and Ga–67 citrate in patients with rheumatoid arthritis and suspected septic arthritis: concise communication. Coleman RE, et al. **J Nucl Med** 1982 Jun;23(6):479–82
Studies of the vivo uptake of Ga–67 by an experimental abscess: concise communication. Hayes RL, et al. **J Nucl Med** 1982 Jan;23(1):8–14
Gallium–67 citrate imaging of pyomyositis [letter] Rao BR, et al. **J Nucl Med** 1981 Sep;22(9):836–7
[Skeletal scintigraphy as early diagnostic aid in acute haematogenous osteomyelitis in the iliosacral joint (author's transl)] Bereiter H, et al. **Z Orthop** 1981 Aug;119(4):364–5 (Eng. Abstr.) **(Ger)**

SURGERY

Stereotactic aspiration of a brain abscess using a 'therapeutic' CT scanner. A case report. Lunsford LD, et al. **Acta Neurochir (Wien)** 1982;62(1–2):25–9
The place for vitrectomy in posterior segment infection. Billson FA, et al. **Aust J Ophthalmol** 1981 Feb;9(1):21–5
Infective endocarditis: surgical treatment of 41 patients. Haraphongse M, et al. **Can J Surg** 1982 Mar;25(2):138–40
Infected epicardial pacemaker systems. Partial versus total removal. Choo MH, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):794–6
Brain abscess and its surgical management. Gruszkiewicz J, et al. **Surg Neurol** 1982 Jul;18(1):7–17
[CO2–laser in surgery of infected soft tissue of the extremities (animal experiments) (author's transl)] Skobelkin OK, et al. **Zentralbl Chir** 1982;107(4):218–22 (Eng. Abstr.) **(Ger)**
[Bone regeneration, vascularization and osteoplasty in tuberculous, staphylococcal mixed infections] Boiarkina SK. **Probl Tuberk** 1981 Sep;(9):54–8 (Eng. Abstr.) **(Rus)**
[Treatment of suppurative joint lesions in children with osteomyelitis] Akhmedov MA, et al. **Vestn Khir** 1981 Jul; 127(7):91–3 (Eng. Abstr.) **(Rus)**
[Treatment of lactation mastitis with dioxidine] Taranenko LD, et al. **Vestn Khir** 1981 Sep;127(9):20–3 **(Rus)**
[Treatment of endophthalmitis by vitrectomy] Iuzhakov AM, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):21–7 (Eng. Abstr.) **(Rus)**

THERAPY

The protective effect of continuous passive motion in living articular cartilage in acute septic arthritis: an experimental investigation in the rabbit. Salter RB, et al. **Clin Orthop** 1981 Sep;(159):223–47
Sternal infection after cardiac transplantation. Successful salvage utilizing a variety of techniques. Pearl SN, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):632–4
General considerations in the diagnosis and treatment of infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb;57(2):81–5
Spinal epidural abscess in children. Fischer EG, et al. **Neurosurgery** 1981 Sep;9(3):257–60
Staphylococcal pericarditis–successful nonsurgical treatment with indwelling catheter and antibiotic drugs. Lui HK, et al. **West J Med** 1982 Jun;136(6):536–8
[Transvenous retrieval of endocardial pacemaker electrode fragments (author's transl)] Grosse–Heitmeyer W, et al. **Herz** 1982 Jun;7(3):198–201 (Eng. Abstr.) **(Ger)**
[Extracorporeal circulation and biological oxygenators in the treatment of suppurative diseases] Kulik IaP, et al. **Klin Khir** 1981 Aug;(8):32–6 (Eng. Abstr.) **(Rus)**

[Immunologic prevention and treatment of wound infection in open fractures and osteomyelitis] Bialik IF, et al. **Ortop Travmatol Protez** 1981 Aug;(8):17–21 (Eng. Abstr.) **(Rus)**

[Role and importance of immunotherapy in treating the infectious complications of burn patients] Panchenkov NR, et al. **Probl Gematol Pereliv Krovi** 1982 Feb;27(2):46–8 **(Rus)**

[Treatment of septicopyemic forms of acute hematogenic osteomyelitis using dimexide and hyperbaric oxygenation] Borovik PI, et al. **Vestn Khir** 1981 Jul;127(7):94–6 (Eng. Abstr.) **(Rus)**

[Clinico-immunological evaluation of the course of suppurative mastitis during complex therapy] Kamardin LN, et al. **Vestn Khir** 1981 Aug;127(8):7–11 **(Rus)**

TRANSMISSION

Evidence for postpartum toxic-shock syndrome in a mother-infant pair. Green SL, et al. **Am J Med** 1982 Jan; 72(1):169–72

Community-acquired methicillin-resistant Staphylococcus aureus endocarditis in the Detroit Medical Center. Levine DP, et al. **Ann Intern Med** 1982 Sep;97(3):330–8

Multiply antibiotic-resistant Staphylococcus aureus: introduction, transmission, and evolution of nosocomial infection. Locksley RM, et al. **Ann Intern Med** 1982 Sep; 97(3):317–24

Community-acquired methicillin-resistant Staphylococcus aureus infections: a new source for nosocomial outbreaks. Saravolatz LD, et al. **Ann Intern Med** 1982 Sep;97(3):325–9

Staphylococcal infection in hospital roommates. Nottebart HC Jr. **Infect Control** 1980 Mar-Apr;1(2):105, 108

The role of understaffing and overcrowding in recurrent outbreaks of staphylococcal infection in a neonatal special-care unit. Haley RW, et al. **J Infect Dis** 1982 Jun; 145(6):875–85

[Nosocomial infective agents in a surgical intensive care unit. III. Spreading of Staphylococcus aureus with regard to phage typing analysis (author's transl)] Wullenweber M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):498–508 (Eng. Abstr.) **(Ger)**

[Epidemiologic role of healthy carriers of Staphylococcus aureus as source of infection] Santos BM, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep-Oct;23(5):217–24 (Eng. Abstr.) **(Por)**

URINE

[Urinary excretion of glycoproteins depending on the localization of infection in the urinary tract of children] Zoch-Zwierz W, et al. **Pediatr Pol** 1981 Jul;56(7):809–14 (Eng. Abstr.) **(Pol)**

VETERINARY

Growth inhibition of Staphylococcus aureus after experimental infection of the udder by high and low concentration of lactoferrin and lysozyme in milk. Erhardt G, et al. **Acta Microbiol Pol** 1981;30(3):239–46

Characterization of penicillinase inhibitor in bovine serum. Honkanen-Buzalski T. **Acta Vet Scand** 1982;23(1):30–8

Immunologically-specific resistance to infection with particular reference to staphylococcal mastitis. Watson DL. **Adv Exp Med Biol** 1981;137:579–90

Influences of sequences of environmental factors on the response of chickens to fasting and to Staphylococcus aureus infection. Gross WB, et al. **Am J Vet Res** 1982 Jan; 43(1):137–9

Migration of polymorphonuclear leukocytes into the bovine mammary gland during experimentally induced Staphylococcus aureus mastitis. Harmon RJ, et al. **Am J Vet Res** 1982 Jun;43(6):992–8

Histopathologic response of the bovine mammary gland to experimentally induced Staphylococcus aureus infection. Nickerson SC, et al. **Am J Vet Res** 1981 Aug;42(8):1351–5

Protective effect in the lactating bovine mammary gland induced by coagulase-negative staphylococci against experimental Staphylococcus aureus infections. Poutrel B, et al. **Ann Rech Vet** 1980;11(4):327–32

Immunisation against experimental staphylococcal mastitis in sheep – effect of challenge with a heterologous strain of Staphylococcus aureus. Watson DL, et al. **Aust Vet J** 1981 Jul;57(7):309–13

The effect of suckling on the course of experimental staphylococcal mastitis in the mouse. Anderson JC. **Br Vet J** 1981 Sep-Oct;137(5):489–500

Optimal milk penicillin levels for the treatment of experimentally induced mastitis in cows. Haley K, et al. **Can J Comp Med** 1981 Jul;45(3):239–42

Valvular bacterial endocarditis in the dog. Calvert CA. **J Am Vet Med Assoc** 1982 May 1;180(9):1080–4

Identification of Staphylococcus hyicus with the API staph strip. Maddux RL, et al. **J Clin Microbiol** 1982 Jun; 15(6):984–6

Identification of coagulase-positive Staphylococcus intermedius and Staphylococcus hyicus subsp. hyicus isolates from veterinary clinical specimens. Phillips WE Jr, et al. **J Clin Microbiol** 1981 Dec;14(6):671–3

Relationship of somatic cell count and cell volume analysis of goat's milk to intramammary infection with coagulase-negative staphylococci. Sheldrake RF, et al. **J Dairy Res** 1981 Oct;48(3):393–403

Evaluation of a teat dip of chlorhexidine digluconate (.5%) with glycerin (6%). Hicks WG, et al. **J Dairy Sci** 1981 Nov;64(11):2266–9

Protein composition of whey from subclinical mastitis and effect of treatment with levamisole. Ishikawa H, et al. **J Dairy Sci** 1982 Apr;65(4):653–8

Cells in local reaction to experimental Staphylococcus aureus infection in bovine mammary gland. Nickerson SC, et al. **J Dairy Sci** 1982 Jan;65(1):105–16

Role of delayed type hypersensitivity in mice inoculated with Staphylococcus aureus (Strain CH-91). Takeuchi S, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):106–7

An outbreak of ocular disease caused by staphylococcal infection in Amazon parrot (Amazona aestiva) imported into Japan. Shimakura S, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):273–5

Experimental staphylococcal mastitis in the mouse: the persistence of chronic infection from one lactation to the next. Anderson JC. **Res Vet Sci** 1979 Mar;26(2):213–5

Therapy of experimental staphylococcal mastitis in the mouse with cloxacillin and rifampicin, alone and in combination. Craven N, et al. **Res Vet Sci** 1981 Nov;31(3):295–300

A transient deficit in neutrophilic chemotaxis in a dog with recurrent staphylococcal pyoderma. Latimer KS, et al. **Vet Pathol** 1982 May;19(3):223–9

Progressive pathology of staphylococcal mastitis with a note on control, immunisation and therapy. Anderson JC. **Vet Rec** 1982 Apr 17;110(16):372–6

Otitis media associated with Staphylococcus epidermidis and Psoroptes cuniculi in a rabbit. Bjotvedt G, et al. **VM SAC** 1981 Jul;76(7):1015–6

A suspected case of phlegmonous stomatitis caused by Staphylococcus spp in a Hereford bull. Nyack B, et al. **VM SAC** 1981 Oct;76(10):1467–70

Characterization of staphylococci isolated from goats. 2. Differentiation from human strains: fibrinolytic activities and beta-haemolysin production. Adegoke GO, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):438–42

Characterization of staphylococci isolated fro goats. 1. Coagulase activities and antibiotic susceptibility patterns. Adegoke GO. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):431–7

[Bacteriophage treatment trials on staphylococcal udder infection in lactating cows (author's transl)] Lerondelle C, et al. **Ann Rech Vet** 1980;11(4):421–6 (Eng. Abstr.) **(Fre)**

[Staphylococcus aureus from cows with subclinical udder infection] Brückler J, et al. **Zentralbl Veterinarmed [B]** 1981; 28(6):494–9 (Eng. Abstr.) **(Ger)**

[Sensitivity to lysostaphin lysis of staphylococci isolated from ovine mastitic milk] Gutiérrez L, et al. **Microbiol Esp** 1981; 34:17–28 (Eng. Abstr.) **(Spa)**

STAPHYLOCOCCAL NUCLEASE see **MICROCOCCAL NUCLEASE**

STAPHYLOCOCCAL PHAGES

[Bacteriophage treatment trials on staphylococcal udder infection in lactating cows (author's transl)] Lerondelle C, et al. **Ann Rech Vet** 1980;11(4):421–6 (Eng. Abstr.) **(Fre)**

[Efficacy of staphylococcal bacteriophage in the treatment of purulent lung and pleural diseases] Meladze GD, et al. **Grudn Khir** 1982;1:53–6 **(Rus)**

ANALYSIS

Genetic transformation in Staphylococcus aureus: isolation and characterization of a competence-conferring factor from bacteriophage 80 alpha lysates. Birmingham VA, et al. **J Bacteriol** 1981 Oct;148(1):301–7

Genetic transformation in Staphylococcus aureus: demonstration of a competence-conferring factor of bacteriophage origin in bacteriophage 80 alpha lysates. Thompson NE, et al. **J Bacteriol** 1981 Oct;148(1):294–300

GENETICS

Transduction-related cointegrate formation between Staphylococcal plasmids: a new type of site-specific recombination. Novick RP, et al. **Plasmid** 1981 Sep; 6(2):159–72

ISOLATION & PURIFICATION

Purification, fine structure and characterization of temperate phages from drug-resistant Staphylococcus aureus. Saito T, et al. **J Gen Virol** 1981 Aug;55(Pt 2):451–7

Isolation of phages for typing of Staphylococcus intermedius isolated from horses. Kawano J, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):933–6

Isolation of bacteriophages for typing staphylococcus intermedius isolated from pigeons. Kawano J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):487–93

METABOLISM

The adsorption of phage by Staphylococcus spp. Barnard L, et al. **J Gen Virol** 1981 Mar;53(Pt 1):189–92

RADIATION EFFECTS

Novel patterns of ultraviolet mutagenesis and Weigle reactivation in Staphylococcus aureus and phage phi 11. Thompson JK, et al. **J Gen Microbiol** 1981 May;124(Pt 1):147–57

ULTRASTRUCTURE

Ultrastructure of bacteriophages used for typing of Staphylococcus aureus. Krzywy T, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):287–95

STAPHYLOCOCCAL PNEUMONIA see **PNEUMONIA, STAPHYLOCOCCAL**

STAPHYLOCOCCAL PROTEIN A

Immunoassay using 125I- or enzyme-labeled protein A and antigen-coated tubes. Gee AP, et al. **Anal Biochem** 1981 Sep 15;116(2):524–30

Staphylococcal protein A fluoroimmunoassay for immune complexes. Faiferman I, et al. **Arthritis Rheum** 1982 Jul; 25(7):799–801

Protein A adsorption of acute myelogenous leukemia serum induces in vitro blast lysis. Miller WJ, et al. **Blood** 1982 Jun;59(6):1344–7

Isolation of circulating immune complexes by conglutinin and separation of antigen from dissociated complexes by immobilized protein A. Gupta RC, et al. **Clin Exp Immunol** 1981 Oct;46(1):9–19

Advantages and limitations of staphylococcal protein A-Sepharose for isolating soluble immune complexes from goat, rabbit and human sera. Reisberg MA, et al. **Clin Exp Immunol** 1981 Nov;46(2):443–52

Sizing of protein A–colloidal gold probes for immunoelectron microscopy. Slot JW, et al. **J Cell Biol** 1981 Aug; 90(2):533–6

Protein A, avidin, and biotin in immunohistochemistry. Hsu SM, et al. **J Histochem Cytochem** 1981 Nov;29(11):1349–53

Hemocyanin linked to protein A as an immunochemical labeling reagent for electron microscopy. Miller MM, et al. **J Histochem Cytochem** 1981 Nov;29(11):1322–7

Applications of immunocolloids in light microscopy. Preparation of protein A–silver and protein A–gold complexes and their application for localization of single and multiple antigens in paraffin sections. Roth J. **J Histochem Cytochem** 1982 Jul;30(7):691–6

Measurement of staphylococcal protein A and detection of protein A–carrying staphylococcus strains by a competitive ELISA method. Fey H, et al. **J Immunol Methods** 1981; 47(1):99–107

Protein-A gold particles as markers in replica immunocytochemistry: high resolution electron microscope investigations of plasma membrane surfaces. Mannweiler K, et al. **J Microsc** 1982 May;126(Pt 2):145–9

Detection of antibodies to myelin basic protein by solid-phase radioimmunoassay with [125I]protein A. Linthicum DS, et al. **J Neuroimmunol** 1981 Mar;1(1):17–26

Comparison of two methods of virus detection by immunosorbent electron microscopy (ISEM) using protein A. Nicolaieff A, et al. **J Virol Methods** 1982 Apr; 4(3):155–66

Fractionation of IgG, IgG2a, IgG2b and IgG3 immunoglobulins from mouse serum by protein A-sepharose column chromatography. Watanabe M, et al. **Jpn J Exp Med** 1981 Feb;51(1):65–70

Detection and quantitation of circulating immune complexes by the C1q-protein A binding assay (C1q-PABA). Glikmann G, et al. **Methods Enzymol** 1981;74 Pt C:571–88

Plasma perfused over immobilized protein A for breast cancer [letter] **N Engl J Med** 1982 Apr 15;306(15):935–7

Preliminary observations of the effects on breast adenocarcinoma of plasma perfused over immobilized protein A. Terman DS, et al. **N Engl J Med** 1981 Nov 12;305(20):1195–200

Characterization of various immunoglobulin preparations for intravenous application. II. Complement activation and binding to staphylococcus protein A. Römer J, et al. **Vox Sang** 1982 Feb;42(2):74–80

ANALYSIS

A sensitive ELISA method for protein A detection. Olsvik O, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug; 89(4):289–90

Demonstration of high and low affinity complexes between protein A and rabbit immunoglobulin G antibodies depending on hapten density. Sandor M, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):761–7

Biotyping and determination of protein A in Staphylococcus aureus strain of skin origin. Pospíšil L, et al. **Dermatologica** 1981;163(4):300–6

Fibronectin binding to protein A–containing staphylococci. Doran JE, et al. **Infect Immun** 1981 Sep;33(3):683–9

[Protein A-activity of Staphylococcus hyicus in comparison to protein A of Staphylococcus aureus (author's transl)] Müller HP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):443–51 (Eng. Abstr.) **(Ger)**

[Determination of A-protein as a possible method of differentiating Staphylococcus aureus from Staphylococcus epidermidis] Khazenson SL, et al. **Lab Delo** 1982;(3):40–2 (Eng. Abstr.) **(Rus)**

BLOOD

Interaction 125I-protein A with erythrocyte-bound IgG.

Gray LS, et al. **J Lab Clin Med** 1982 Mar;99(3):399–409

DIAGNOSTIC USE

The use of Staphylococcus aureus rich in protein A in the detection of herpes simplex virus antigens. Mogensen SC, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec; 89(6):427–32

Immuno–electron microscopical features of in vivo antibody binding during pemphigus blister formation. Revelation with a new technique: peroxidase–labeled protein A. Trost TH, et al. **Arch Dermatol Res** 1981;270(4):463–8

Detection of cell–surface antigens in murine tumors by a protein A immunofluorescence test. Luis J, et al. **Int Arch Allergy Appl Immunol** 1981;66(2):121–30

The use of a protein A–Sepharose column in the detection of platelet–associated IgG. McVeigh DJ, et al. **Thromb Res** 1981 Sep 15;23(6):559–62

[Enzyme–linked immunosorbent assay (ELISA) in serodiagnosis of paragonimiasis—a preliminary report on the use of peroxidase–protein A in detecting antibodies of paragonimus in the serum of man and dogs (author's transl] Li WJ. **Chung Hua I Hsueh Tsa Chih** 1981 Sep;61(9):520–2 (Eng. Abstr.) **(Chi)**

[Measurement of specific IgG antibody using protein A–sepharose CL–4B in patients with bronchial asthma undergoing long term hyposensitization therapy (author's transl)] Jyo T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr;19(4):223–9 (Eng. Abstr.) **(Jpn)**

[Quantitative detection of serum antibody to specific liver cell membrane antigen (LMAg) by ELISA used with protein A (author's transl)] Tsuji T. **Nippon Shokakibyo Gakkai Zasshi** 1981 Nov;78(11):2194 **(Jpn)**

[Demonstration of antigens in biological products by coagulation of staphylococci containing protein A] Garcia–Tamayo F, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):321–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Quantitative aspects of binding of canine serum immunoglobulins of Staphylococcus aureus protein A. Miele JA, et al. **Am J Vet Res** 1981 Dec;42(12):2065–7

Binding of a marker for immunoglobulins to the surface of rabbit testicular, epididymal, and ejaculated spermatozoa. Suarez SS, et al. **Biol Reprod** 1981 Dec;25(5):1091–7

Serological differentiation of foot–and–mouth disease virus on electron microscope grids coated with protein A and antibody. Polatnick J, et al. **Can J Comp Med** 1981 Jul; 45(3):275–8

Clinical evaluation of B cell and T–regulator cell function using a protein A haemolytic plaque assay. Jones BM. **Clin Exp Immunol** 1981 Oct;46(1):196–205

Protein A–like activity and streptococcal cross–reactions. Kingston D. **Clin Exp Immunol** 1981 Oct;46(1):225–8

Antibody response to plague vaccination in humans as assayed by staphylococcal radioimmune precipitation (St–RIP) test. Schaffer FL, et al. **J Biol Stand** 1981; 9(3):265–76

Human alveolar macrophage cytophilic immunoglobulin G–mediated phagocytosis of protein A–positive staphylococci. Verbrugh HA, et al. **J Clin Invest** 1982 Jan; 69(1):63–74

Detection of cell–associated or soluble antigens of Legionella pneumophila serogroups 1 to 6, Legionella bozemanii, Legionella dumoffii, Legionella gormanii, and Legionella micdadei by staphylococcal coagglutination tests. Wilkinson HW, et al. **J Clin Microbiol** 1981 Sep;14(3):322–5

A radioimmunoassay of human leukocyte interferon using protein A–containing Staphylococcus aureus. Daubas P, et al. **J Immunol Methods** 1982;48(1):1–12

Use of protein A–bearing staphylococci for the immunoprecipitation and isolation of antigens from cells. Kessler SW. **Methods Enzymol** 1981;73(Pt B):442–59

Recovery of antigen from staphylococcal protein A—antibody adsorbents. MacSween JM, et al. **Methods Enzymol** 1981;73(Pt B):459–71

The effect of fragment B of staphylococcal protein A on the binding of rabbit IgG to human granulocytes and monocytes. Foster DE, et al. **Mol Immunol** 1982 Mar; 19(3):407–12

Protein A as a molecular probe for the detection of antigen induced conformational change in Fc region of rabbit antibody. Mota G, et al. **Mol Immunol** 1981 May; 18(5):373–8

Rat IgG subclasses: differences in affinity to protein A–sepharose. Rousseaux J, et al. **Mol Immunol** 1981 Jul; 18(7):639–45

Comparison of mechanisms of interaction between protein A from Staphylococcus aureus and human monoclonal IgG, IgA and IgM in relation to the classical FC gamma and the alternative F(ab')2 epsilon protein A interactions. Inganäs M. **Scand J Immunol** 1981;13(4):343–52

Further characterization of the alternative protein–A interaction of immunoglobulins: demonstration of an Fc–binding fragment of protein A expressing the alternative reactivity. Inganäs M, et al. **Scand J Immunol** 1981 Oct;14(4):379–88

Protein A reactivity of lymphocytes from some patients with chronic lymphocytic leukaemia mediated by an interaction with the F(ab')2 region of surface immunoglobulin. Romagnani S, et al. **Scand J Immunol** 1982;15(3):287–95

Staphylococcal protein A and human IgG subclasses and allotypes. Van Loghem E, et al. **Scand J Immunol** 1982; 15(3):275–8

Production of direct agglutinins by the combination of incomplete antibodies to protein A–bearing Staphylococcus aureus cells. Deary IJ, et al. **Vox Sang** 1982;42(6):289–94

[Protein A–activity of Staphylococcus hyicus in comparison to protein A of Staphylococcus aureus (author's transl)] Müller HP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):443–51 (Eng. Abstr.) **(Ger)**

[Separation of free and bound radiolabeled antigen using protein A–sepharose CL–4B in hCG radioimmunoassay (author's transl)] Kato K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Aug 20;57(8):1167–74 (Eng. Abstr.) **(Jpn)**

METABOLISM

Polyacrylamide microbeads with entrapped protein A from S. aureus for cell separation. Lindmark R, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Jun; 90(3):117–22

Protein A of Staphylococcus aureus and related immunoglobulin receptors produced by streptococci and pneumonococci. Langone JJ. **Adv Immunol** 1982; 32:157–252 (480 ref.)

Detection of IgG sensitization of red cells with 125I staphylococcal protein A. Yam P, et al. **Am J Hematol** 1982 Jun;12(4):337–46

Binding of human immunoglobulin G to protein A in encapsulated Staphylococcus aureus. King BF, et al. **Infect Immun** 1981 Sep;33(3):666–72

Circulating immune complexes detected by binding of radiolabelled protein A in patients with oral cancer and oral premalignant lesions. Scully C, et al. **J Clin Lab Immunol** 1982 Jun;8(2):113–5

The modification of human immunoglobulin binding to staphylococcal protein A using diethylpyrocarbonate. Haake DA, et al. **J Immunol** 1982 Jul;129(1):190–2

The binding of staphylococcal protein A by the sera of different animal species. Richman DD, et al. **J Immunol** 1982 May;128(5):2300–5

Demonstration on protein A of two distinct immunoglobulin–binding sites and their role in the mitogenic activity of Staphylococcus aureus Cowan I on human B cells. Romagnani S, et al. **J Immunol** 1982 Aug; 129(2):596–602

A critical study of the use of staphylococci containing protein A for separation of IgG and IgM antibodies. Grangeot–Keros L, et al. **J Immunol Methods** 1982 Jun 11;51(2):183–95

Use of labeled protein A in quantitative immunochemical analysis of antigens and antibodies. Langone JJ. **J Immunol Methods** 1982;51(1):3–22

Immobilization of proteins by entrapment in polyacrylamide microbeads. Lindmark R, et al. **J Immunol Methods** 1982 Mar 12;49(2):159–77

Labeling of Rh antibodies on solid–phase protein A. Victoria EJ, et al. **J Immunol Methods** 1982;50(2):205–11

Binding of protein A to some human gamma–globulins used intravenously. Ceska M. **Vox Sang** 1981;40(6):395–402

[Role of bacterial products with special reference to Staphylococcus aureus] Kondo I. **Nippon Rinsho** 1981 Jun; 39(6):2333–8 **(Jpn)**

PHARMACODYNAMICS

A method for rapid determination of IgG containing circulating immune complexes using polyethyleneglycol and radioactively labeled protein A. Stevens WJ, et al. **Immunol Lett** 1981 Apr;3(1):1–4

Human peripheral blood lymphocyte activation by protein A from Staphylococcus aureus. Chen WY, et al. **Infect Immun** 1982 Apr;36(1):59–65

Inhibition of protein A–induced lymphocyte colony–forming cells by con A–generated suppressor cells or their culture fluid. Nemoto H, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):40–3

Induction of cytotoxic lymphocytes by protein A derived from Staphylococcus aureus. I. Protein–A–induced, protein–A–dependent cytotoxicity of T lymphocytes against human lymphoblastoid cell lines. Sumiya M, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):66–73

Plasma perfusion over immobilized protein A from Staphylococcus aureus for treatment of cancer: observations on the evolution of plasma perfusion systems. Terman DS. **Int J Artif Organs** 1982 Mar;5(2):77–80

Staphylococcal protein A enhances natural killing activity against lymphoid tumor cell lines. Patel PC, et al. **Int J Cancer** 1981 Sep 15;28(3):277–84

Surface immunoglobulins are involved in the interaction of protein A with human B cells and in the triggering of B cell proliferation induced by protein A–containing Staphylococcus aureus. Romagnani S, et al. **J Immunol** 1981 Oct;127(4):1307–13

Induction of T cell growth factor synthesis in human peripheral blood lymphocytes by staphylococcal protein A. Fleischer B. **J Immunol Methods** 1981;47(2):191–200

Preparation of anti–Gm sera by immunization of rabbits with protein A–fractionated normal IgG proteins from Japanese: further study. Tamaki Y, et al. **J Immunol Methods** 1981; 45(2):177–82

Induction of human gamma interferon by protein A from Staphylococcus aureus. McCool RE, et al. **J Interferon Res** 1981;1(4):473–81

Proliferative and polyclonal plaque forming cell responses of CBA/N–defective spleen cells by staphylococcal protein A or killed organisms of Staphylococcus aureus Cowan I strain. Tanabe MJ, et al. **Microbiol Immunol** 1981; 25(9):975–9

The use of protein A and concanavalin A to examine the possible role of the carbohydrate of IgG in the binding of Clq. van Schravendijk MR, et al. **Mol Immunol** 1981 Dec;18(12):1079–85

PHYSIOLOGY

Protein A effect on alternative pathway complement activation and opsonization of Staphylococcus aureus. Spika JS, et al. **Infect Immun** 1981 Nov;34(2):455–60

STAPHYLOCOCCAL TOXOID

ADMINISTRATION & DOSAGE

[Preventive express immunization with staphylococcal anatoxin in open fractures of long tubular bones] Revenko TA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):9–11 (Eng. Abstr.) **(Rus)**

[Use of staphylococcal anatoxin after extensive operations for tumors of the maxillofacial area and neck] Travnikova IuI, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):41–2 (Eng. Abstr.) **(Rus)**

[Experimental prerequisites for the anatoxin–RNAse prophylaxis of staphylococcal infections] Zemskov MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):75–9 **(Rus)**

ADVERSE EFFECTS

Toxic shock syndrome: interaction of endotoxin and staphylococcal toxins [letter] Fumarola D, et al. **Infection** 1981;9(5):255

IMMUNOLOGY

[Effect of staphylococcal anatoxin immunization on the course of experimental intrauterine staphylococcal infection] Silin VA, et al. **Akush Ginekol (Mosk)** 1981 Jun; (6):54–5 **(Rus)**

[Experimental study of the allergenic action of a staphylococcal antigenic complex obtained by aqueous extraction compared to other staphylococcal preparations] Efremova VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):66–9 (Eng. Abstr.) **(Rus)**

[Experimental basis and clinical immunological study of the prevention of staphylococcal infection with anatoxin and sodium nucleinate] Zemskov MV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):92–5 **(Rus)**

THERAPEUTIC USE

[Observations on effectiveness of combined vaccine of Staphylococcus aureus cell proteins and its toxoid in treatment of burn–wound infection (author's transl)] Tian FQ. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):96–8 (Eng. Abstr.) **(Chi)**

TOXICITY

[Acute and chronic toxicology of different staphylococcal immune preparations] Korzaia LI. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):59–63 (Eng. Abstr.) **(Rus)**

STAPHYLOCOCCAL VACCINES

Immunologically–specific resistance to infection with particular reference to staphylococcal mastitis. Watson DL. **Adv Exp Med Biol** 1981;137:579–90

IMMUNOLOGY

The influence of immunization with live or killed Staphylococcus aureus vaccines on the early development of opsonizing and bactericidal factors in lymph and blood of sheep. Kennedy JW, et al. **Microbiol Immunol** 1981; 25(5):479–87

[Experimental study of the allergenic action of a staphylococcal antigenic complex obtained by aqueous extraction compared to other staphylococcal preparations] Efremova VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):66–9 (Eng. Abstr.) **(Rus)**

STANDARDS

[Draft guidelines for the production, testing and the use of staphylococcal vaccines] Thilo W, et al. **Z Gesamte Hyg** 1981 Apr;27(4):287–90 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Observations on effectiveness of combined vaccine of Staphylococcus aureus cell proteins and its toxoid in treatment of burn–wound infection (author's transl)] Tian

FQ. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):96–8 (Eng. Abstr.) **(Chi)**

[Staphylococcal vaccine in the treatment of psoriasis (author's transl)] Viktorinová M, et al. **Cesk Dermatol** 1982 Feb;57(1):10–5 (Eng. Abstr.) **(Cze)**

[Effect of antibiotic and vaccine therapies on the succinate dehydrogenase and phosphatase activity of liver cells of mice infected with Staphylococcus] Balakliets NI, et al. **Antibiotiki** 1982 Jan;27(1):41–4 (Eng. Abstr.) **(Rus)**

[Vaccination against furunculosis with Staphylococcal vaccine. No difference in therapeutic effect can be noted between vaccine and placebo] Mattsson L, et al. **Lakartidningen** 1982 Mar 3;79(9):743–4 (Eng. Abstr.) **(Swe)**

TOXICITY

[Acute and chronic toxicology of different staphylococcal immune preparations] Korzaia LI. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):59–63 (Eng. Abstr.) **(Rus)**

STAPHYLOCOCCUS

Protective effect in the lactating bovine mammary gland induced by coagulase-negative staphylococci against experimental Staphylococcus aureus infections. Poutrel B, et al. **Ann Rech Vet** 1980;11(4):327–32

Analysis of the near-ultraviolet circular dichroic spectra of staphylococcal enterotoxins A, B and C. Spero L. **Biochim Biophys Acta** 1981 Dec 29;671(2):193–20

Radioimmunoassay of apolipoprotein A-i. application of a non-ionic detergent (Tween-20) and solid-phase staphylococcus. Maciejko JJ, et al. **Clin Chem** 1982 Jan; 28(1):199–204

Coagulase-negative staphylococci. Aldridge KE. **Infect Control** 1982 Mar–Apr;3(2):161–5

[Structure and action of staphylococcal alpha-toxin and leukocidin (author's transl)] Kato I. **Nippon Saikingaku Zasshi** 1981 Mar;36(2):445–57 (26 ref.) **(Jpn)**

[Characteristics of drug interaction with staphylococcal toxin] Ponomareva AG. **Farmakol Toksikol** 1982 Jan–Feb; 45(1):92–5 (Eng. Abstr.) **(Rus)**

[3-stage method of preparing a homogeneous preparation of Type A staphylococcal enterotoxin] Fluer FS, et al. **Lab Delo** 1981;(12):746–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

The estimation of extracellular protein production in detecting enterotoxigenic staphylococci. Azzi A, et al. **Boil Ist Sieroter Milan** 1981;60(1):21–5

Interaction of initiator Met-tRNArMet (Escherichia coli) and Gly-tRNAIGly (Staphylococcus epidermidis) with bacterial elongation factor Tu:GTP complex. Tanada S, et al. **J Biochem (Tokyo)** 1981 May;89(5):1565–72

Bactericidal and bacteriostatic antigonococcal activities produced by urogenital staphylococci. Lafond L, et al. **Microbios** 1982;33(131):27–34

[DNA nucleotide composition of Gram-positive cocci isolated from food products of animal origin] Gogov I, et al. **Vet Med Nauki** 1981;18(10):41–5 (Eng. Abstr.) **(Bul)**

[Protein A-activity of Staphylococcus hyicus in comparison to protein A of Staphylococcus aureus (author's transl)] Müller HP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):443–51 (Eng. Abstr.) **(Ger)**

[Application of SP-sephadex chromatography to the purification of staphylococcal enterotoxin D and E (author's transl)] Oda T. **Nippon Saikingaku Zasshi** 1980 May;35(3):559–67 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Differentiation of coagulase-positive and coagulase-negative staphylococci by lectins and plant agglutinins. Davidson SK, et al. **J Clin Microbiol** 1982 Apr;15(4):547–53

Species identification of coagulase-negative staphylococcal isolates from blood cultures. Eng RH, et al. **J Clin Microbiol** 1982 Mar;15(3):439–42

Comparison of methods for identifying Staphylococcus and Micrococcus spp. Gunn BA, et al. **J Clin Microbiol** 1981 Aug;14(2):195–200

Identification of Staphylococcus hyicus with the API staph strip. Maddux RL, et al. **J Clin Microbiol** 1982 Jun; 15(6):984–6

Species identification and susceptibility to 17 antibiotics of coagulase-negative staphylococci isolated from clinical specimens. Marsik FJ, et al. **J Clin Microbiol** 1982 Apr; 15(4):640–5

Identification of coagulase-positive Staphylococcus intermedius and Staphylococcus hyicus subsp. hyicus isolates from veterinary clinical specimens. Phillips WE Jr, et al. **J Clin Microbiol** 1981 Dec;14(6):671–3

Evaluation of a micromethod gallery (API Staph) for the identification of staphylococci and micrococci. Marples RR, et al. **J Clin Pathol** 1982 Jun;35(6):650–6

A phylogenetic analysis of staphylococci, Peptococcus saccharolyticus and Micrococcus mucilaginosus. Ludwig W, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):357–66

Isolation of phages for typing of Staphylococcus intermedius isolated from horses. Kawano J, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):933–6

Isolation of bacteriophages for typing staphylococcus intermedius isolated from pigeons. Kawano J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):487–93

[Species classification, pathogenicity and antibiotic-susceptibility of staphylococcal isolates from clinical specimens (author's transl)] Okuda T, et al. **Kansenshogaku Zasshi** 1982 Feb;56(2):111–7 **(Jpn)**

[Determination of A-protein as a possible method of differentiating Staphylococcus aureus from Staphylococcus epidermidis] Khazenson SL, et al. **Lab Delo** 1982;(3):40–2 (Eng. Abstr.) **(Rus)**

[Identification of coagulase-negative staphylococci in diagnostic studies] Kuz'minskii SN, et al. **Lab Delo** 1981; (8):498–501 (Eng. Abstr.) **(Rus)**

[Species classification of staphylococci isolated in various human diseases] Gerasimenko DD, et al. **Mikrobiol Zh** 1982 Mar–Apr;44(2):74–5 **(Rus)**

[Coagulase-negative Staphylococci isolated from patients. III. Phage typing] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):59–63 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Nosocomial septicemia due to multiply antibiotic-resistant Staphylococcus epidermidis. Christensen GD, et al. **Ann Intern Med** 1982 Jan;96(1):1–10

Sensitivity of staphylococci from farm animals to antibacterial agents used for growth promotion and therapy. A ten year study. Devriese LA. **Ann Rech Vet** 1980;11(4):399–408

Susceptibility of gram-positive cocci to various antibiotics, including cefotaxime, moxalactam, and N-formimidoyl thienamycin. Cherubin CE, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):553–5

High-level potentiation of lysostaphin anti-staphylococcal activity by lysozyme. Cisani G, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):531–5

Comparison of the in vitro activities of teichomycin A2 and vancomycin against staphylococci and enterococci. Cynamon MH, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):504–5

Comparison of antimicrobial susceptibility patterns among coagulase-negative staphylococci. Price SB, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):436–40

Penicillin and tetracycline resistance plasmids in Staphylococcus epidermidis. Totten PA, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):359–65

Effect of mixing on rifampin bactericidal activity against staphylococci. Zinner SH, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):267–9

Combination effect of piperacillin with cefoperazone on staphylococci and gram-negative bacteria. Daschner FD, et al. **Arzneimittelforsch** 1982;32(4):364–5

Biophotometric comparison of cephalexin and cephradine against gram-positive bacteria. Brumfitt W, et al. **Chemotherapy** 1982;28(1):40–5

In vitro comparative activity of moxalactam, GR 20263, and N-formimidoyl thienamycin to other beta-lactam antibiotics and tobramycin against enterobacteriaceae and staphylococci. Cynamon MH, et al. **Chemotherapy** 1982; 28(3):204–8

Variable tolerance of a clinical isolate of Staphylococcus epidermidis from an infected hydrocephalus shunt for several beta-lactam antibiotics, vancomycin and fosfomycin. Traub WH. **Chemotherapy** 1981;27(6):432–43

Antibiotic cross-resistence patterns of lysozyme resistant mutant staphylococci. Chakraborty P, et al. **Indian J Exp Biol** 1981 Feb;19(2):176–8

In-vitro efficacy of cefotiam in combination with four aminoglycosides on staphylococci and Gram-negative bacteria. Daschner FD, et al. **J Antimicrob Chemother** 1981 Sep;8(3):239–41

Mezlocillin: a broad spectrum penicillin highly active against gram-positive organisms and Haemophilus influenzae. Sanders CC. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:15–21

Antimicrobial activity of silicone rubber used in hydrocephalus shunts, after impregnation with antimicrobial substances. Bayston R, et al. **J Clin Pathol** 1981 Sep;34(9):1057–62

Failure of coagulase-negative staphylococci to transfer antibiotic resistance to Staphylococcus aureus 1030 in mixed cultures. Fawcett CJ, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):507–9

Antibiotic-resistant staphylococci [letter]. Starkey DH. **J Hosp Infect** 1981 Mar;2(1):99–100

Decreased antimicrobial activity against Staphylococcus epidermidis under anaerobic culture conditions. Flournoy DJ, et al. **J Infect Dis** 1981 Nov;144(5):485

Antistaphylococcal activity of rifampin with other antibiotics. Zinner SH, et al. **J Infect Dis** 1981 Oct; 144(4):365–71

Nafcillin-tolerant Staphylococcus epidermidis endocarditis. Arthur JD, et al. **JAMA** 1982 Jan 22–29;247(4):487–8

Methicillin-resistant staphylococci in hospitals [letter] Sprott MS, et al. **Lancet** 1981 Nov 14;2(8255):1106

Antistaphylococcal penicillins. Neu HC. **Med Clin North Am** 1982 Jan;66(1):51–60 (56 ref.)

Antibiotic susceptibility pattern of community strains of the genus Staphylococcus with special reference to S saprophyticus. Larsson PG, et al. **NIPH Ann** 1981 Dec; 4(2):61–8

Comparison of oral penicillinase-resistant penicillins: contrasts between agents and assays. Bass JW, et al. **South Med J** 1982 Apr;75(4):408–10

Selective inhibition of hemolysin production by Staphylococcus epidermidis and Staphylococcus haemolyticus. Shibl AM. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):42–6

[Resistance of methicillin-resistant staphylococci to new cephalosporin antibiotics (author's transl)] Kayser FH. **Infection** 1980;8(4):165–70 (Eng. Abstr.) **(Ger)**

[Antibacterial preparation sensitivity of staphylococcal strains isolated from patients with inflammatory diseases of the male genitalia] Dobrovol'skaia LI. **Antibiotiki** 1981 Dec;26(12):893–7 (Eng. Abstr.) **(Rus)**

[Comparative antibiotic sensitivity characteristics of the staphylococci isolated from ambulatory and hospitalized patients] Gerasimenko DD, et al. **Antibiotiki** 1981 Sep; 26(9):683–7 (Eng. Abstr.) **(Rus)**

[Effect of dioxidine on polyresistant flora isolated from cancer patients] Smolianskaia AZ, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):72–5 **(Rus)**

[Sensitivity to antibiotics and staphylococcal phages isolated in ENT diseases] Gerasimenko DD, et al. **Mikrobiol Zh** 1981 Nov–Dec;43(6):786–90 (Eng. Abstr.) **(Rus)**

[Sensitivity to lysostaphin lysis of staphylococci isolated from ovine mastitic milk] Gutiérrez L, et al. **Microbiol Esp** 1981; 34:17–28 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Failure of Padac test strips to detect staphylococcal beta-lactamase. Anhalt JP, et al. **Antimicrob Agents Chemother** 1982 Jun;21(6):993–4

Antibiotic sensitivity of Staphylococcus aureus and coagulase negative staphylococci isolated from infected bovine mammary glands. McDonald JS, et al. **Cornell Vet** 1981 Oct;71(4):391–6

Purification and characterization of three separate bacteriolytic enzymes excreted by Staphylococcus aureus, Staphylococcus simulans, and Staphylococcus saprophyticus. Valisena S, et al. **J Bacteriol** 1982 Aug; 151(2):636–47

Correlation of penicillin minimum inhibitory concentrations and penicillin zone edge appearance with staphylococcal beta-lactamase production. Gill VJ, et al. **J Clin Microbiol** 1981 Oct;14(4):437–40

Coagulase types of coagulase-positive staphylococci from bacterial skin infections. Dekio S, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):223–8

[Coagulase-negative staphylococci isolated from the milk of cows with subclinical mastitis] Karadzhov Ia, et al. **Vet Med Nauki** 1981;18(9):51–4 (Eng. Abstr.) **(Bul)**

[Phosphatase-negative Staphylococcus epidermidis] Kuz'minskii SN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):52–5 (Eng. Abstr.) **(Rus)**

GENETICS

Common R-plasmids in Staphylococcus aureus and Staphylococcus epidermidis during a nosocomial Staphylococcus aureus outbreak. Cohen ML, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):210–5

Structural and phenotypic varieties of gentamicin resistance plasmids in hospital strains of Staphylococcus aureus and coagulase-negative staphylococci. Jaffe HW, et al. **Antimicrob Agents Chemother** 1982 May;21(5):773–9

Plasmid pattern analysis of Staphylococcal epidermidis isolates from patients with prosthetic valve endocarditis. Archer GL, et al. **Infect Immun** 1982 Feb;35(2):627–32

Characterization of a macrolide, lincosamide, and streptogramin resistance plasmid in Staphylococcus epidermidis. Parisi JT, et al. **J Bacteriol** 1981 Nov; 148(2):559–64

Gentamicin-resistant staphylococci as hospital flora: epidemiology and resistance plasmids. Weinstein RA, et al. **J Infect Dis** 1982 Mar;145(3):374–82

Staphylococcal plasmids that replicate and express erythromycin resistance in both Streptococcus pneumoniae and Escherichia coli. Barany F, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2991–5

[Staphylococcal genetics] Oleinik II, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):21–7 (66 ref.) **(Rus)**

GROWTH & DEVELOPMENT

Effect of hydrogen sulfide on bacterial inactivation in the rat lung. Rogers RE, et al. **Arch Environ Health** 1981 Sep–Oct;36(5):261–4

IMMUNOLOGY

Cross-reactions between Staphylococcus epidermidis and 23 other bacterial species. Espersen F, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):253–60

A polypeptide antigen from a strain of Staphylococcus simulans. 1. Purification and some chemical data. Osland A. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):193–7

A polypeptide antigen from a strain of Staphylococcus simulans. 2. Antigenic and biological properties. Osland A, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug; 89(4):199–204

Patch tests with killed sonicated microflora in patients with

psoriasis. Lober CW, et al. **Arch Dermatol** 1982 May; 118(5):322–5

The relationship of capsular-type of Staphylococcus epidermidis to virulence and induction of resistance in the mouse. Ichiman Y, et al. **J Appl Bacteriol** 1981 Oct; 51(2):229–41

Local and systemic antibody responses in cows following immunization with staphylococcal antigens in the dry period. Adlam C, et al. **J Comp Pathol** 1981 Jan; 91(1):105–13

Macrophage binding of Staphylococcus albus is blocked by anti I-region alloantibody. Stewart J, et al. **Nature** 1982 Aug 26;298(5877):852–4

In vitro adhesion of Staphylococcus strains to rabbit tissues. Mathieu LG, et al. **Rev Can Biol Exp** 1982 Mar;41(1):3–12

[Comparative immunochemical and immunoallergic characteristics of staphylococci of different pathogenicity. II. Diagnostic value of extracts of Staphylococcus aureus and Staphylococcus epidermidis in delayed type allergic reactions] Darkanbaeva ET, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Sep;(9):42–6 (Eng. Abstr.) **(Rus)**

[Experimental study of the allergenic action of a staphylococcal antigenic complex obtained by aqueous extraction compared to other staphylococcal preparations] Efremova VN, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Mar;(3):66–9 (Eng. Abstr.) **(Rus)**

[Acute and chronic toxicology of different staphylococcal immune preparations] Korzaia LI.
Zh Mikrobiol Epidemiol Immunobiol 1982 Mar;(3):59–63 (Eng. Abstr.) **(Rus)**

[Staphylococci in the induction of delayed and immediate hypersensitivity] Sukhodoeva GS.
Zh Mikrobiol Epidemiol Immunobiol 1982 Mar;(3):5–11 (77 ref.) **(Rus)**

ISOLATION & PURIFICATION

Toxinogenicity of clinical isolates of coagulase-negative staphylococci towards various animal cells. Gemmell CG, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec; 89(6):417–21

Endemic staphylococcal pseudobacteremia. Stratton CW. **Infect Control** 1981 May–Jun;2(3):251–2

Identification of coagulase-positive Staphylococcus intermedius and Staphylococcus hyicus subsp. hyicus isolates from veterinary clinical specimens. Phillips WE Jr, et al. **J Clin Microbiol** 1981 Dec;14(6):671–3

Staphylococci isolated from pyodermas and their sensitivities to antibiotics. Dekio S, et al. **J Dermatol (Tokyo)** 1981 Jun; 8(3):215–21

Distribution of coagulase-negative staphylococci in human infections. Papapetropoulos M, et al. **J Hosp Infect** 1981 Jun;2(2):145–53

The isolation of bacteria of low pathogenicity from faulty orthopaedic implants. Whyte W, et al. **J Hosp Infect** 1981 Sep;2(3):219–30

Nasal and cutaneous Staphylococcus among patients receiving hemodialysis and attending personnel. Goldblum SE, et al. **J Infect Dis** 1982 Mar;145(3):396

Effect of rifampin on nasal carriers of coagulase-positive staphylococci. Wheat LJ, et al. **J Infect Dis** 1981 Aug; 144(2):177

Distribution of the different Staphylococcus species according to their meat or dairy origin. Delarras C, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):471–7

[Coagulase-negative staphylococci isolated from the milk of cows with subclinical mastitis] Karadzhov Ia, et al.
Vet Med Nauki 1981;18(9):51–4 (Eng. Abstr.) **(Bul)**

[Studies on bacterial aerosol. Part 6. Biological types and properties in airborne staphylococci dispersed from men in the room (author's transl)] Terayama K, et al.
Nippon Eiseigaku Zasshi 1981 Oct;36(4):718–24 (Eng. Abstr.) **(Jpn)**

[Microbiological evaluation of intravenous infusion residues] Fiebig A, et al. **Pol Tyg Lek** 1981 Sep 21;36(38):1459–62 (Eng. Abstr.) **(Pol)**

[Rapid method for identifying staphylococci isolated from pathological specimens] Dekhtsunian KM, et al.
Lab Delo 1981;(5):312 **(Rus)**

[Changes in the cervical factor and isolation of pathogenic microbes from the genital organs of women with chronic salpingo-oophoritis and infertility undergoing treatment at the Nalchik health resort] Keshokova MP.
Vopr Kurortol Fizioter Lech Fiz Kult 1981 Nov–Dec; (6):55–7 **(Rus)**

[Pathogenic staphylococci in nasal and bronchial exudate] Knaster Del Olmo J, et al.
Rev Sanid Hig Publica (Madr) 1979 Mar–Apr; 53(3–4):449–56 (Eng. Abstr.) **(Spa)**

[Microbiological quality of frozen vegetable foods. I. Pathogenic microorganisms] Ubeda Ruiz MA.
Rev Sanid Hig Publica (Madr) 1979 May–Jun; 53(5–6):671–97 (Eng. Abstr.) **(Spa)**

METABOLISM

Identification of a region of human fibrinogen interacting with staphylococcal clumping factor. Hawiger J, et al.
Biochemistry 1982 Mar 16;21(6):1407–13

Subcutaneous staphylococcal infections in mice: the influence of antibiotics on staphylococcal extracellular products. Shibl AM. **Chemotherapy** 1982;28(1):46–53

Presence of bacterial binding 'lectin-like' receptors on phagocytes. Glass E, et al. **Immunology** 1981 Nov; 44(3):529–34

Fibronectin binding to protein A-containing staphylococci. Doran JE, et al. **Infect Immun** 1981 Sep;33(3):683–9

Human fibronectin binding to staphylococcal surface protein and its relative inefficiency in promoting phagocytosis by human polymorphonuclear leukocytes, monocytes, and alveolar macrophages. Verbrugh HA, et al.
Infect Immun 1981 Sep;33(3):811–9

Effect of starvation on transport, membrane potential and survival of Staphylococcus epidermidis under anaerobic conditions. Horan NJ, et al. **J Gen Microbiol** 1981 Dec; 127 (Pt 2):223–30

The adsorption of phage by Staphylococcus spp. Barnard L, et al. **J Gen Virol** 1981 Mar;53(Pt 1):189–92

Detection of staphylococcal enterotoxigenicity. III. Strains isolated in 1979–1980. Petrás P, et al.
J Hyg Epidemiol Microbiol Immunol 1982;26(1):95–101

Characterization of staphylococci isolated from goats. 2. Differentiation from human strains: fibrinolytic activities and beta-haemolysin production. Adegoke GO, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981;249(4):438–42

[Endogenous metabolism of pathogenic and nonpathogenic coagulase-negative staphylococci during the inhibition of endogenous RNA breakdown] Mikucki J, et al.
Med Dosw Mikrobiol 1981;33(3–4):157–64 (Eng. Abstr.) **(Pol)**

[Method of electron-autoradiographic study of nucleic acid biosynthesis in bacteria during phagocytosis] Pal'tsyn AA, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):763–5 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Cytotoxic material released from Staphylococcus epidermidis. I. Effects on [3H]thymidine incorporation of human lymphocytes. Solymossy M, et al.
Acta Microbiol Acad Sci Hung 1982;29(1):27–32

Gram-positive microorganisms in sepsis. Holm SE.
Scand J Infect Dis [Suppl] 1982;31:68–77 (63 ref.)

Characterization of staphylococci isolated fro goats. 1. Coagulase activities and antibiotic susceptibility patterns. Adegoke GO. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):431–7

[A contribution to the study of selected factors of virulence in staphylococci (author's transl)] Ticháček B.
Cesk Epidemiol Mikrobiol Imunol 1982 Mar;31(2):80–7 (Eng. Abstr.) **(Cze)**

[Characteristics of the causative agent and of the immunological status of the body in experimental dormant staphylococcal infection] Shilov AB, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Apr;(4):74–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Adherence of slime-producing strains of Staphylococcus epidermidis to smooth surfaces. Christensen GD, et al.
Infect Immun 1982 Jul;37(1):318–26

Isoelectric points and surface hydrophobicity of Gram-positive cocci as determined by cross-partition and hydrophobic affinity partition in aqueous two-phase systems. Miörner H, et al. **Infect Immun** 1982 Apr; 36(1):227–34

A review, the microbiology of acne. Holland KT, et al.
J Appl Bacteriol 1981 Oct;51(2):195–215 (128 ref.)

Production, purification and chemical properties of an antistaphylococcal agent produced by Staphylococcus epidermidis. Sahl HG, et al. **J Gen Microbiol** 1981 Dec; 127 (Pt 2):377–84

Production of inhibitors of lytic activity in the Micrococcaceae. Varaldo PE, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):327–34

Bacterial colonization of human urethral mucosa. II. Adherence tests using tissue organ cultures. Colleen S, et al. **Scand J Urol Nephrol** 1981;15(3):181–7

Microbial colonization of prosthetic devices. III. Adhesion of staphylococci to lumina of intravenous catheters perfused with bacterial suspensions. Locci R, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981;173(5):300–7

ULTRASTRUCTURE

Arrangement of peptidoglycan in the cell wall of Staphylococcus spp. Amako K, et al. **J Bacteriol** 1982 May; 150(2):844–50

STAPHYLOCOCCUS AUREUS

Coagulase-positive staphylococci. Stratton CW.
Infect Control 1982 Jan–Feb;3(1):79–81

Enhancement of host susceptibility to lethal endotoxin shock by staphylococcal pyrogenic exotoxin type C. Schlievert PM. **Infect Immun** 1982 Apr;36(1):123–8

Studies on possible cross transmission of mercuric chloride resistant Staphylococcus aureus between dogs and kennel attendants. Adekeye JD. **Int J Zoonoses** 1981 Jun;8(1):72–6

Inhibition of macrophage phagocytosis after contact with ingestible particles. Pesanti EL, et al.
J Reticuloendothel Soc 1981 Sep;30(3):157–66

Peptidoglycans extracted from gram-positive bacteria: expression of antitumor activity according to peptide structure and route of injection. Goguel AF, et al.
JNCI 1982 Apr;68(4):657–63

The round window membrane following application of staphylococcal exotoxin: an electron microscopic study. Schachern PA, et al. **Laryngoscope** 1981 Dec; 91(12):2007–17

Radioimmunoassay of peptide hormones using killed Staphylococcus aureus as a separating agent. Ying SY.
Methods Enzymol 1981;73(Pt B):245–53

[Investigation of the viability of radioactively labelled bacteria after adsorption on activated charcoal (author's transl)] Keller F, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981;250(1–2):113–21 (Eng. Abstr.) **(Ger)**

[Determination of fibrinogen and its degradation products with staphylococcal diagnosticum (review of the literature)] Lapaeva EE. **Lab Delo** 1981;(5):304–7 (23 ref.) (Eng. Abstr.) **(Rus)**

[The value of the staphylococcal clumping test in the diagnosis of disseminated intravascular coagulation in the infected infant] Ortiz Méndez VM, et al.
Bol Med Hosp Infant Mex 1981 Jul–Aug;38(4):585–94 (Eng. Abstr.) **(Spa)**

ANALYSIS

A sandwich ELISA method for detection of Staphylococcus aureus enterotoxins. Berdal BP, et al.
Acta Pathol Microbiol Scand [B] 1981 Dec;89(6):411–5

Reverse-phase high-pressure liquid chromatography of uridine diphosphate N-acetylmuramyl peptide precursors of bacterial cell wall peptidoglycan. Flouret B, et al.
Anal Biochem 1981 Jun;114(1):59–63

Toxin and enzyme characterization of Staphylococcus aureus isolates from patients with and without toxic shock syndrome. Schlievert PM, et al. **Ann Intern Med** 1982 Jun; 96(6 Pt 2):937–40

A circular-dichroism study of epidermolytic toxins A and B from Staphylococcus aureus. Bailey CJ, et al.
Biochem J 1982 Jun 1;203(3):775–8

Solubilization and electrophoretic analysis of Staphylococcus aureus membrane proteins. Kubak BM, et al.
Biochim Biophys Acta 1982 May 7;687(2):238–46

Hydroxyproline-rich protein in the capsule of a strain of Staphylococcus aureus. Usui Y, et al. **Can J Microbiol** 1981 Sep;27(9):955–8

Morphological examination of the glycocalyces of Staphylococcus aureus strains Wiley and Smith. Caputy GG, et al. **Infect Immun** 1982 May;36(2):759–67

Mode of action of staphylococcal leukocidin: relationship between binding of ^{125}I-labeled S and F components of leukocidin to rabbit polymorphonuclear leukocytes and leukocidin activity. Noda M, et al. **Infect Immun** 1981 Nov; 34(2):362–7

Lipoteichoic acid, a major amphiphile of Gram-positive bacteria that is not readily extractable. Huff E.
J Bacteriol 1982 Jan;149(1):399–402

Pigments of Staphylococcus aureus, a series of triterpenoid carotenoids. Marshall JH, et al. **J Bacteriol** 1981 Sep; 147(3):900–13

Occurrence of ribitol-containing lipoteichoic acid in Staphylococcus aureus H and its glycosylation. Arakawa H, et al. **J Biochem (Tokyo)** 1981 May;89(5):1555–63

Measurement of staphylococcal protein A and detection of protein A-carrying staphylococcus strains by a competitive ELISA method. Fey H, et al. **J Immunol Methods** 1981; 47(1):99–107

Possible conformation of delta-lysin, a membrane-damaging peptide of Staphylococcus aureus. Freer JH, et al.
J Theor Biol 1982 Feb 7;94(3):535–40

Effect of staphylococcal leukocidin on mouse leukocyte system. Grójec PL, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981 Nov; 250(4):446–55

[Protein A-activity of Staphylococcus hyicus in comparison to protein A of Staphylococcus aureus (author's transl)] Müller HP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):443–51 (Eng. Abstr.) **(Ger)**

[Infrared spectra of chemical fractions of Staphylococcus] Vershigora AE, et al. **Mikrobiol Zh** 1981 Jul–Aug; 43(4):482–6 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Staphylococcus aureus associated with toxic shock syndrome: phage typing and toxin capability testing. Altemeier WA, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):978–82

Characteristics of Staphylococcus aureus strains from rabbits. Devriese LA, et al. **Ann Rech Vet** 1981;12(3):327–32

Biotyping and determination of protein A in Staphylococcus aureus strain of skin origin. Pospíšil L, et al.
Dermatologica 1981;163(4):300–6

Phage typing of the untypable strains of Staphylococcus aureus by the experimental phages and the heat shock method. Bhatia R, et al. **Indian J Med Res** 1981 Jul;74:1–5

Phage typing of Staphylococcus aureus using phages other than those of basic set and new methods. Dua M, et al.
Indian J Med Res 1982 Mar;75:348–54

Staphylococcal infection in hospital roommates. Nottebart HC Jr. **Infect Control** 1980 Mar–Apr;1(2):105, 108

Evaluation of a commercial latex agglutination test for

identification of Staphylococcus aureus. Doern GV. **J Clin Microbiol** 1982 Mar;15(3):416–8

Rapid and direct staphylocoagulase assay that uses a chromogenic substrate for identification of Staphylococcus aureus. Engels W, et al. **J Clin Microbiol** 1981 Nov; 14(5):496–500

Rapid and reliable identification of Staphylococcus aureus by a latex agglutination test. Essers L, et al. **J Clin Microbiol** 1980 Nov;12(5):641–3

Study of the staphylococcal affinity to fibrinogen by passive hemagglutination: a tool for the Staphylococcus aureus identification. Flandrois JP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(2):171–6

[Clumping-factor-reactions of Staphylococcus aureus of different origin in plasma- and fibrinogen-preparations(author's transl)] Brückler J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):27–32 (Eng. Abstr.) **(Ger)**

[Studies on the relationship between Staphylococcus aureus inhabited in human and staphylococcal food poisoning. 1. Coagulase types and crystal violet ring test of isolates from clinical specimen (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Aug;55(8):576–82 (Eng. Abstr.) **(Jpn)**

[Studies on the relationship between Staphylococcus aureus inhabited in human and staphylococcal food poisoning. 2. A long-term observation of Staphylococcus aureus isolated from mouth washings of healthy adults (author's transl)] Goto K. **Kansenshogaku Zasshi** 1981 Aug;55(8):583–91 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

An L-form of Staphylococcus aureus adapted to a brain heart infusion medium without osmotic stabilizers. Takahashi T, et al. **Microbiol Immunol** 1981;25(9):871–86

DRUG EFFECTS

Gentamicin-resistant Staphylococcus aureus strains isolated in Denmark in 1979. Rosendal K, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):185–91

Proposed mezlocillin disk control values for staphylococcus aureus ATCC 25923, Escherichia coli ATCC 25922, and Pseudomonas aeruginosa ATCC 27853. Prior RB, et al. **Am J Clin Pathol** 1982 Mar;77(3):332–3

Methicillin-resistant Staphylococcus aureus: experience in a general hospital over four years. Linnemann CC Jr, et al. **Am J Epidemiol** 1982 Jun;115(6):941–50

MRSA in a hospital social worker [letter] Octavio J, et al. **Am J Med** 1982 Feb;72(2):A61

Mechanisms of resistance to beta-lactam antibiotics in strains of Staphylococcus aureus. Sabath LD. **Ann Intern Med** 1982 Sep;97(3):339–44

Methicillin-resistant Staphylococcus aureus. Epidemiologic observations during a community-acquired outbreak. Saravolatz LD, et al. **Ann Intern Med** 1982 Jan;96(1):11–6

Antibiotic tolerance [letter] Washington JA 2d. **Ann Intern Med** 1981 Nov;95(5):657–8

The emergence of methicillin-resistant Staphylococcus aureus. Wenzel RP. **Ann Intern Med** 1982 Sep;97(3):440–2

Temperature effect on the susceptibility of methicillin-resistant Staphylococcus aureus to four different cephalosporins. Canawati HN, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):173–5

Methicillin-resistant Staphylococcus aureus susceptibility testing with Abbott MS-2 system. Carlson JR, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):676–7

Mode of action of pamamycin in Staphylococcus aureus. Chou WG, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):443–54

pH-dependent penicillin tolerance may protect intraleukocytic Staphylococcus aureus from killing by cloxacillin. Craven N, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):618–21

Altered penicillin-binding proteins in methicillin-resistant strains of Staphylococcus aureus. Hartman B, et al. **Antimicrob Agents Chemother** 1981 May;19(5):726–35

Variables in demonstrating methicillin tolerance in Staphylococcus aureus strains. Ishida K, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):688–90

Serum bactericidal activity of moxalactam and cefotaxime with and without tobramycin against Pseudomonas aeruginosa and Staphylococcus aureus. Lagast H, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):539–41

Characteristics of rifampin-resistant variants obtained from clinical isolates of Staphylococcus aureus. Moorman DR, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):709–13

Bacteriophage-mediated acquisition of antibiotic resistance by Staphylococcus aureus type 88. Schaefler S. **Antimicrob Agents Chemother** 1982 Mar;21(3):460–7

In vitro activity of N-formimidoyl thienamycin and other beta-lactam antibiotics against methicillin-resistant Staphylococcus aureus. Thompson RL, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):341–3

In vitro and in vivo studies of three antibiotic combinations against gram-negative bacteria and Staphylococcus aureus. Zinner SH, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):463–9

The resistance to antimicrobial agents of Staphylococcus aureus isolated from the bovine udder. Frost AJ, et al. **Aust Vet J** 1981 Jun;57(6):262–7

Antibiotic sensitivity of Staphylococcus aureus and coagulase negative staphylococci isolated from infected bovine mammary glands. McDonald JS, et al. **Cornell Vet** 1981 Oct;71(4):391–6

Antimicrobial activity of carbazole derivatives. Randelia BE, et al. **Experientia** 1982 May 15;38(5):529–31

Turbidimetric assay of ampicillin using Staphylococcus aureus (ATCC 6538P). Chakrabarti K, et al. **Indian J Exp Biol** 1981 Jul;19(7):674–5

Clinical and laboratory studies of nosocomial Staphylococcus aureus resistant to methicillin and aminoglycosides. Bock BV, et al. **Infect Control** 1982 May-Jun;3(3):224–8

Epidemiologic studies of an outbreak of nosocomial methicillin-resistant Staphylococcus aureus infections. Boyce JM, et al. **Infect Control** 1981 Mar-Apr;2(2):110–6

Methicillin-resistant Staphylococcus aureus: interstate spread of nosocomial infections with emergence of gentamicin-methicillin resistant strains. Saroglou G, et al. **Infect Control** 1980 Mar-Apr;1(2):81–9

Observations relating to an inter-hospital outbreak of methicillin-resistant Staphylococcus aureus: role of antimicrobial therapy in infection control. Ward TT, et al. **Infect Control** 1981 Nov-Dec;2(6):453–9

Studies on multi-antibiotic resistant strains of Staphylococcus aureus. Chmel H, et al. **Infection** 1982;10(3):173–6

Investigation into the antibacterial activity in vitro of cement-antibiotic mixtures. Greco F, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):103–13

In vitro and in vivo antibacterial activity of 9,3'-Di-o-acetyl midecamycin (Mom), a new macrolide antibiotic. Kawaharajo K, et al. **J Antibiot (Tokyo)** 1981 Apr; 34(4):436–42

Studies on the effects of 3-acetyl-4'-isovaleryltylosin against multiple-drug resistant strains of Staphylococcus aureus. Tsuchiya M, et al. **J Antibiot (Tokyo)** 1981 Mar; 34(3):305–12

Activity of beta-hydroxy-piromidic acid against Staphylococcus aureus and enterobacteriaceae. Garcia-Rodriguez JA, et al. **J Antimicrob Chemother** 1982 Jun;9(6):493–5

In-vitro activity of spectinomycin against methicillin-resistant Staphylococcus aureus [letter] Mutton KJ, et al. **J Antimicrob Chemother** 1981 Sep;8(3):245

Anti-staphylococcal activity of a penem, Sch 29482. Sabath LD, et al. **J Antimicrob Chemother** 1982 Feb;9 Suppl C:189–94

Interaction of moxalactam and gentamicin: in-vitro study with strains of Staphylococcus aureus and Pseudomonas aeruginosa. Skalova R, et al. **J Antimicrob Chemother** 1982 Feb;9(2):103–9

Antibiotic combinations against gram-negative bacilli and Staphylococcus aureus in cancer patients: comparative in-vitro and in-vivo activity of cefoperazone and mezlocillin singly or combined together. Standiford HC, et al. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:47–9

Liposome-trapped penicillins in growth inhibition of some penicillin-resistant bacteria. Chowdhury MK, et al. **J Appl Bacteriol** 1981 Oct;51(2):223–7

Differential methicillin susceptibilities of peptidoglycan syntheses in methicillin-resistant Staphylococcus aureus. Smith PF, et al. **J Bacteriol** 1981 Nov;148(2):610–7

Partition coefficients of some aromatic alcohols in an n-heptane/water system and their relationship to minimum inhibitory concentration against Pseudomonas aeruginosa and Staphylococcus aureus. Wilson JR, et al. **J Clin Hosp Pharm** 1981 Mar;6(1):63–6

Reliability of the MS-2 system in detecting methicillin-resistant Staphylococcus aureus. Boyce JM, et al. **J Clin Microbiol** 1982 Feb;15(2):220–5

Rate of penicillin killing of Staphylococcus aureus and Autobac 1 susceptibility test results. Harris JA, et al. **J Clin Microbiol** 1982 Feb;15(2):270–4

Effect of various blood culture media on lysostaphin sensitivity of staphylococci. Severance PJ, et al. **J Clin Microbiol** 1980 Nov;12(5):709–10

Failure of coagulase-negative staphylococci to transfer antibiotic resistance to Staphylococcus aureus 1030 in mixed cultures. Fawcett CJ, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):507–9

Effect of pH on inhibition of plasmid-carrying cultures of Staphylococcus aureus by lipids. Naidoo J. **J Gen Microbiol** 1981 May;124(Pt 1):173–9

Gentamicin-resistant Staphylococcus aureus after topical therapy in general practice [letter] Chattopadhyay B, et al. **J Hosp Infect** 1981 Sep;2(3):278–9

Bacteraemia in Dublin due to gentamicin-resistant Staphylococcus aureus. Hone R, et al. **J Hosp Infect** 1981 Jun;2(2):119–26

Antibiotic-resistant Staphylococcus aureus. Shanson DC. **J Hosp Infect** 1981 Mar;2(1):11–36 (212 ref.)

Multiple drug-resistant Staphylococcus aureus with resistance to oxytetracycline and minocycline, an example for the distribution of a multiresistant strain-clone. Witte W, et al. **J Hyg Epidemiol Microbiol Immunol** 1982; 26(1):49–56

Hospital-acquired infections in a burns unit caused by an imported strain of Staphylococcus aureus with unusual multi-resistance. Espersen F, et al. **J Hyg (Lond)** 1982 Jun; 88(3):535–41

Bacteremia due to methicillin-resistant Staphylococcus aureus. Myers JP, et al. **J Infect Dis** 1982 Apr;145(4):532–6

Paradoxic and tolerant effects of moxalactam on Staphylococcus aureus. Nelson RE, et al. **J Infect Dis** 1981 Aug;144(2):178

Gentamicin-resistant staphylococci [letter] **Lancet** 1981 Sep 26;2(8248):698–9

Antibacterial activity of hydrolysed linseed oil and linolenic acid against methicillin-resistant staphylococcus aureus [letter] McDonald MI, et al. **Lancet** 1981 Nov 7; 2(8254):1056

Recommendations for control of the spread of methicillin-resistant Staphylococcus aureus infection based on 18 years' experience in a group of teaching hospitals. Bell SM. **Med J Aust** 1982 May 29;1(11):472–4

Properties of methicillin-resistant staphylococci now endemic in Australia. Gedney J, et al. **Med J Aust** 1982 May 29;1(11):448–50

Methicillin-resistant Staphylococcus aureus in neonatal nurseries. Two years' experience in special-care nurseries in Melbourne. Gilbert GL, et al. **Med J Aust** 1982 May 29;1(11):455–9

Methicillin resistance in Staphylococcus aureus with particular reference to Victorian strains. Harvey K, et al. **Med J Aust** 1982 May 29;1(11):465–7 (25 ref.)

Control and elimination of an MRSA outbreak [letter] Jones L, et al. **Med J Aust** 1982 May 29;1(11):480

Plasmid-mediated antibiotic resistance in methicillin-resistant Staphylococcus aureus. Lyon BR, et al. **Med J Aust** 1982 May 29;1(11):468–9

Antibiotic-associated diarrhoea and methicillin-resistant Staphylococcus aureus. McDonald M, et al. **Med J Aust** 1982 May 29;1(11):462–4

Methicillin-resistant staphylococci: a sign of the times? [editorial] McDonald PJ. **Med J Aust** 1982 May 29; 1(11):445–6

Antibiotic susceptibility of Staphylococcus aureus community acquired strains. Mutton KJ, et al. **Med J Aust** 1982 May 29;1(11):459–61

Screening MRSA for bacteriophage [letter] Mutton KJ, et al. **Med J Aust** 1982 May 29;1(11):480–1

Epidemic of hospital-acquired infection due to methicillin-resistant Staphylococcus aureus in major Victorian hospitals. Pavillard R, et al. **Med J Aust** 1982 May 29;1(11):451–4

Methicillin-resistant staphylococcus aureus [letter] Penington G. **Med J Aust** 1981 Oct 17;2(8):388–9

Spread of gentamicin resistance in MRSA [letter] Townsend DE, et al. **Med J Aust** 1982 Jun 12;1(12):496–7

Structural changes induced by subinhibitory concentrations of fosfomycin on Staphylococcus aureus and Bacillus cereus. Carlone NA, et al. **Microbios** 1982;33(132):119–28

Aspects of the antibacterial action of diphenyliodonium chloride. Gerami-Nejad M, et al. **Microbios** 1981; 30(120):97–107

Studies on the antibacterial activity of phanquone: effect on metabolic activities of Escherichia coli and Staphylococcus aureus. Husseini R, et al. **Microbios** 1981;30(119):7–18

A study of the action of a bisquaternary ammonium salt, an amine oxide and an alkoxy phenylcarbamic acid ester on some metabolic functions in Staphylococcus aureus. Mlynarcik D, et al. **Microbios** 1981;30(119):27–35

Methicillin-resistant Staphylococcus aureus--United States. **MMWR** 1981 Nov 20;30(45):557–9

Penicillin resistant Staphylococcus aureus in Port Moresby. Scrimgeour EM, et al. **Papua New Guinea Med J** 1981 Dec; 24(4):261–3

Haemophilus influenzae, Pneumococci, group A streptococci and Staphylococcus aureus: sensitivity of outpatient strains to commonly prescribed antibiotics. Forsgren A, et al. **Scand J Infect Dis** 1982;14(1):39–43

Standard-suspension-test: influence of bovine albumin, saline and water of standard hardness on M.E.-values. van Klingeren B. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr;176(1):63–71

[R plasmids in Staphylococcus aureus (author's transl)] Výmola F, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):117–24 (Eng. Abstr.) **(Cze)**

[Import of multiresistant strains of Staphylococcus aureus. Preventive measures against epidemic spread in a hospital environment] Nielsen PB, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):133–6 (Eng. Abstr.) **(Dan)**

[Bactericidal activity of amoxicillin and cefaclor in an 'in vitro' kinetic model (author's transl)] Pothier P, et al. **Ann Microbiol (Paris)** 1981 May-Jun;132(3):293–306 (Eng. Abstr.) **(Fre)**

[Resistance phenotypes to 4 antibiotics of bacteria isolated in a hospital setting] Baaj AJ, et al. **Maroc Med** 1981 Mar; 3(1):501–14 (Eng. Abstr.) **(Fre)**

[Increase in gentamicin- and tobramycin-resistant Staphylococcus aureus isolates from hospital patients (author's transl)] Goullet P, et al. **Nouv Presse Med** 1981 Sept 12;10(32):2645–6, 2651–2 (Eng. Abstr.) **(Fre)**

[Resistance development in human Staphylococcus aureus due to the use of oxytetracycline and tylosin in industrialized swine production units] Hummel R, et al. **Arch Exp Veterinarmed** 1981;35(3):419–32 (Eng. Abstr.) **(Ger)**

[Investigation on the antimicrobial activity of cefoperazone (author's transl)] Primavesi CA. **Immun Infekt** 1981 Jul; 9(4):150–3 (Eng. Abstr.) **(Ger)**

[Actual resistance of Staphylococcus aureus: beta-Lactamase production and susceptibility to various penicillins and erythromycin (author's transl)] Haller I, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):479–86 (Eng. Abstr.) **(Ger)**

[Epidemiology of multiresistant S. aureus in a burn center] Somenzi P, et al. **Boll Ist Sieroter Milan** 1981 May; 60(2):95–101 (Eng. Abstr.) **(Ita)**

[Sensitivity of Staphylococcus aureus isolated clinically to CEPs. Results obtained with strains originating in superficial abscess in infants (author's transl)] Deguchi K. **Jpn J Antibiot** 1982 Mar;35(3):807–11 (Eng. Abstr.) **(Jpn)**

[Basic study on efficacy of cefmetazole against osseous and articular infections (author's transl)] Kawashima M, et al. **Jpn J Antibiot** 1982 Mar;35(3):835–9 (Eng. Abstr.) **(Jpn)**

[Therapeutic action of proteolytic enzymes and antibiotics in experimental staphylococcal infection. The effect of lincomycin, chymotrypsin and their combinations on the level of autoplaque-forming cells in the blood and the immune adherence reaction of staphylococci] Berenshtein TF, et al. **Antibiotiki** 1981 Sep;26(9):689–91 (Eng. Abstr.) **(Rus)**

[Microbiological substantiation of the use of erycycline in the therapy of chronic pyoderma] Bukharovich AM. **Antibiotiki** 1982 Mar;27(3):199–202 (Eng. Abstr.) **(Rus)**

[Effect of ristomycin on the electrokinetic properties of Staphylococcus aureus cells] Karpunina LV, et al. **Antibiotiki** 1981 Oct;26(10):740–2 (Eng. Abstr.) **(Rus)**

[Determination of the beta-lactamase-inhibiting capacity of different compounds by using a penicillinase-forming strain of Staphylococcus aureus 5A] Nikishina VG, et al. **Antibiotiki** 1981 Oct;26(10):735–40 (Eng. Abstr.) **(Rus)**

[Study of the effect of dioxidine on the subcellular fractions of microbial cells] Degtiareva IN, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):330–4 (Eng. Abstr.) **(Rus)**

[Effect of interferon on Staphylococci] Pecherkina SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):54–6 **(Rus)**

[Susceptibility to antimicrobial agents of 2,060 strains of different bacteria isolated in infectious processes in children] Filloy L, et al. **Bol Med Hosp Infant Mex** 1981 Jan-Feb;38(1):13–21 (Eng. Abstr.) **(Spa)**

[Susceptibility of Staphylococcus aureus to penicillin, dicloxacillin, gentamycin, erythromycin, and rifampicin] Trejo y Pérez JA, et al. **Bol Med Hosp Infant Mex** 1981 Nov-Dec;38(6):873–80 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Enzymatic hydrolysis of immobilized sphingomyelin by three bacterial phospholipases C. Malmqvist T, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):357–61

Clinical laboratory evaluation of the thermonuclease test. Shanholtzer CJ, et al. **Am J Clin Pathol** 1982 May; 77(5):587–91

Secretion of staphylocoagulase be Staphylococcus aureus: the role of a cell-bound intermediate. Engels W, et al. **Antonie Van Leeuwenhoek** 1981;47(6):509–24

Hydrolysis of monomolecular layers of synthetic sphingomyelins by sphingomyelinase of Staphylococcus aureus. Yedgar S, et al. **Biochem J** 1982 Mar 1; 201(3):597–603

Phosphoenolpyruvate-dependent phosphotransferase system of Staphylococcus aureus: 1H nuclear magnetic resonance studies on phosphorylated and unphosphorylated factor IIIlac and its interaction with the phosphocarrier protein HPr. Kalbitzer HR, et al. **Biochemistry** 1981 Oct 13; 20(21):6178–85

Conformational properties of the protease from Staphylococcus aureus studied by circular dichroism. Jirgensons B. **Biochim Biophys Acta** 1981 Jul 28; 669(2):206–9

Analysis of Staphylococcus aureus cytoplasmic membrane proteins by isoelectric focusing. Kubak BM, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):642–50

Mode of action of staphylococcal leukocidin: effects of the S and F components on the activities of membrane-associated enzymes of rabbit polymorphonuclear leukocytes. Noda M, et al. **Infect Immun** 1982 Jan;35(1):38–45

Stability of the isoxazolyl penicillins to staphylococcal beta-lactamase [letter] Lacey R. **J Antimicrob Chemother** 1982 Mar;9(3):239–40

Membrane and cytoplasmic nitrate reductase of Staphylococcus aureus and application of crossed immunoelectrophoresis. Burke KA, et al. **J Bacteriol** 1981 Nov;148(2):724–7

Partial purification and characterization of the multiple molecular forms of staphylococcal clotting activity (coagulase). Reeves MW, et al. **J Bacteriol** 1981 Dec; 148(3):861–8

Purification and characterization of three separate bacteriolytic enzymes excreted by Staphylococcus aureus, Staphylococcus simulans, and Staphylococcus saprophyticus. Valisena S, et al. **J Bacteriol** 1982 Aug; 151(2):636–47

Pre-steady state beta-lactamase kinetics. Observation of a covalent intermediate during turnover of a fluorescent cephalosporin by the beta-lactamase of STaphylococcus aureus PC1. Anderson EG, et al. **J Biol Chem** 1981 Nov 25;256(22):11401–4

Unique features in the ribosome binding site sequence of the gram-positive Staphylococcus aureus beta-lactamase gene. McLaughlin JR, et al. **J Biol Chem** 1981 Nov 10; 256(21):11283–91

Plasmid-directed expression of Staphylococcus aureus beta-lactamase by Bacillus subtilis in vitro. McLaughlin JR, et al. **J Biol Chem** 1981 Nov 10;256(21):11272–83

Membrane-bound penicillinases in Gram-positive bacteria. Nielsen JB, et al. **J Biol Chem** 1982 Apr 25;257(8):4490–5

Staphylococcus aureus protease. A probe of exposed, nonbasic histone sequences in nucleosomes. Rill RL, et al. **J Biol Chem** 1981 Dec 25;256(24):12687–91

Correlation of penicillin minimum inhibitory concentrations and penicillin zone edge appearance with staphylococcal beta-lactamase production. Gill VJ, et al. **J Clin Microbiol** 1981 Oct;14(4):437–40

Arming of mononuclear phagocytes by eosinophil peroxidase bound to Staphylococcus aureus. Ramsey PG, et al. **J Immunol** 1982 Jan;128(1):415–20

Phosphatidylinositol-specific phospholipase C from Staphylococcus aureus. Low MG. **Methods Enzymol** 1981; 71 Pt C:741–6

[Production of coagulase from Staphylococcus aureus of different origin (author's transl)] Kitzrow D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):165–70 (Eng. Abstr.) **(Ger)**

[Effect of staphylokinase and proteases from Staphylococcus aureus on coagulase determination] Kitzrow D, et al. **Zentralbl Veterinarmed [B]** 1981;28(8):624–9 (Eng. Abstr.) **(Ger)**

GENETICS

Genetic studies on Staphylococcal strains from patients with toxic shock syndrome. Kreiswirth BN, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):974–7

Mixed cultures of Staphylococcus aureus: some observations concerning transfer of anitbiotic resistance. Fouace J. **Ann Microbiol (Paris)** 1981 Nov-Dec;132 B(3):375–86

Plasmid DNA content of multiresistant Staphylococcus aureus strains. El Solh N, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):131–56

Aminocyclitol-modifying enzymes specified by chromosomal genes in Staphylococcus aureus. Kayser FH, et al. **Antimicrob Agents Chemother** 1981 May;19(5):766–72

Chromosomal mapping of a gene affecting enterotoxin A production in Staphylococcus aureus. Mallonee DH, et al. **Appl Environ Microbiol** 1982 Feb;43(2):397–402

Hitchhiking transposons and other mobile genetic elements and site-specific recombination systems in Staphylococcus aureus. Novick RP, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:67–76

Use of plasmids from Staphylococcus aureus for cloning of DNA in Bacillus subtilis. Ehrlich SD, et al. **Curr Top Microbiol Immunol** 1982;96:19–29 (56 ref.)

Unstable drug resistance in Staphylococcus aureus M4. Grubb WB, et al. **Genet Res** 1981 Dec;38(3):217–23

Transfer of R plasmid from Staphylococcus aureus to Escherichia coli & Vibrio cholerae. Chakrabarty AN, et al. **Indian J Exp Biol** 1981 Jun;19(6):511–5

Transfer of R plasmid from Klebsiella pneumoniae RK1 to enterobacteria and Staphylococcus aureus. Chakrabarty AN, et al. **Indian J Med Res** 1981 Oct;74:495–505

Plasmid-chromosomal transition of genes important in staphylococcal enterotoxin B expression. Dyer DW, et al. **Infect Immun** 1981 Aug;33(2):450–8

Genetic transformation in Staphylococcus aureus: isolation and characterization of a competence-conferring factor from bacteriophage 80 alpha lysates. Birmingham VA, et al. **J Bacteriol** 1981 Oct;148(1):301–7

Nucleotide sequence and functional map of pC194, a plasmid that specifies inducible chloramphenicol resistance. Horinouchi S, et al. **J Bacteriol** 1982 May;150(2):815–25

Nucleotide sequence and functional map of pE194, a plasmid that specifies inducible resistance to macrolide, lincosamide, and streptogramin type B antibodies. Horinouchi S, et al. **J Bacteriol** 1982 May;150(2):804–14

Structural analysis of plasmid pSN2 in Staphylococcus aureus: no involvement in enterotoxin B production. Khan SA, et al. **J Bacteriol** 1982 Feb;149(2):642–9

Genetic transformation in Staphylococcus aureus: demonstration of a competence-conferring factor of bacteriophage origin in bacteriophage 80 alpha lysates. Thompson NE, et al. **J Bacteriol** 1981 Oct;148(1):294–300

Pleiotropic compensation in the regulation of extracellular protein formation by a low alpha-toxin-producing variant of Staphylococcus aureus (Wood 46). Coleman G. **J Gen Microbiol** 1981 Jan;122(Pt 1):11–5

Plasmids in epidermolytic strains of Staphylococcus aureus. O'Reilly M, et al. **J Gen Microbiol** 1981 May;124(Pt 1):99–107

Site-specificity of the chromosomal insertion of Staphylococcus aureus transposon Tn554. Krolewski JJ, et al. **J Mol Biol** 1981 Oct 15;152(1):19–33

The control region for erythromycin resistance: free energy changes related to induction and mutation to constitutive expression. Horinouchi S, et al. **MGG** 1981;182(2):341–8

Plasmids from Staphylococcus aureus replicate in yeast Saccharomyces cerevisiae. Goursot R, et al. **Nature** 1982 Jul 29;298(5873):488–90

Closely related plasmids from Staphylococcus aureus and soil bacilli. Polak J, et al. **Plasmid** 1982 Mar;7(2):152–62

Isolation of plasmid deletion Mutants and study of their instability. Primrose SB, et al. **Plasmid** 1981 Sep; 6(2):193–201

A small cadmium resistance plasmid isolated from Staphylococcus aureus. El Solh N, et al. **Plasmid** 1982 Jan; 7(1):77–84

Coding sequence for the pT181 repC product: a plasmid-coded protein uniquely required for replication. Novick RP, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):4108–12

[Resistance to amikacin of gentamicin-resistant Staphylococcus aureus] Yourassowsky E, et al. **Acta Clin Belg** 1980;35(6):384–5 **(Fre)**

[Interpopulation variability of Staphylococcus aureus] Krasil'nikov AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):26–30 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

A membrane filtration method for estimating the number of viable bacteria in solutions containing antibiotic. Craven N, et al. **Acta Microbiol Pol** 1981;30(4):407–11

In-vitro studies of interactions between tampons and Staphylococcus aureus. Broome CV, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):959–62

Vaginal colonization with Staphylococcus aureus in healthy women: a review of four studies. Guinan ME, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):944–7 (13 ref.)

The nature of the competitive ability of spontaneous staphylocoagulase-negative mutants of Staphylococcus aureus with respect to growth of the parent strains in continuous culture. Engels W, et al. **Antonie Van Leeuwenhoek** 1982;48(1):67–83

Effect of free-radical scavengers on enumeration of thermally stressed cells of Staphylococcus aureus MF-31. Bucker ER, et al. **Appl Environ Microbiol** 1982 May;43(5):1020–5

Salt extends the upper temperature limit for growth of food-poisoning bacteria. Tesone S, et al. **Can J Microbiol** 1981 Sep;27(9):970–2

A simple sensitive method for determining staphylococcal thermonuclease in cheese. Ibrahim GF. **J Appl Bacteriol** 1981 Oct;51(2):307–12

Contamination of broiler chickens by Staphylococcus aureus during processing; incidence and origin. Notermans S, et al. **J Appl Bacteriol** 1982 Apr;52(2):275–80

Scientific basis for use of granulated sugar in treatment of infected wounds [letter] Chirife J, et al. **Lancet** 1982 Mar 6;1(8271):560–1

A chemically defined Medium for the Stable L-forms of Staphylococcus aureus. Takahashi T, et al. **Microbiol Immunol** 1981;25(12):1357–62

Antagonistic reactions of the moulds from cattle-feeds in relation of Staphylococcus aureus and Escherichia coli, pathogenic to cattle. Tiwari U. **Mykosen** 1981 Mar; 24(3):172–6

Virulence of Staphylococcus aureus grown in vitro or in vivo. Watson DL. **Res Vet Sci** 1982 May;32(3):311–5

[Studies on the usefulness of different disinfectants for the aerosol disinfection of surfaces (author's transl)] Nicklas W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(5):365–73 (Eng. Abstr.) **(Ger)**

[Nosocomial infective agents in a surgical intensive care unit. III. Spreading of Staphylococcus aureus with regard to phage typing analysis (author's transl)] Wullenweber M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):498–508 (Eng. Abstr.) **(Ger)**

[Lung tissue as a nutrient substrate for growing staphylococci] Muromskii IuA, et al. **Lab Delo** 1981; (11):690–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Precipitating antibodies against Staphylococcus aureus in serum from patients with staphylococcal septicaemia, investigated by means of quantitative immunoelectrophoretic methods. Espersen F, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):261–6

Characterization of the h1 protein antigen from Staphylococcus aureus 17A. Kleppe G. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):279–83

The use of Staphylococcus aureus rich in protein A in the detection of herpes simplex virus antigens. Mogensen SC, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec; 89(6):427–32

Antibodies to staphylococcal lipoteichoic acid in serum and in cerebrospinal fluid from patients with multiple sclerosis. Aasjord P, et al. **Acta Pathol Microbiol Scand [C]** 1981 Oct;89(5):333–8

Normally-occurring precipitating antibodies against Staphylococcus aureus in human serum and colostrum. Espersen F, et al. **Acta Pathol Microbiol Scand [C]** 1981 Apr;89(2):93–8

Protein A of Staphylococcus aureus and related immunoglobulin receptors produced by streptococci and pneumonococci. Langone JJ. **Adv Immunol** 1982; 32:157–252 (480 ref.)

Allergy to staphylococcus and lymphocyte subpopulations. I. Hypersensibility of two types to staphylococcus and lymphocyte subpopulations. Beklemishev ND, et al. **Allergol Immunopathol (Madr)** 1981 Mar-Apr;9(2):137–44

Immunisation against experimental staphylococcal mastitis in sheep - effect of challenge with a heterologous strain of Staphylococcus aureus. Watson DL, et al. **Aust Vet J** 1981 Jul;57(7):309–13

Recognition of 2-keto-3-deoxyoctonate in bacterial cells and lipopolysaccharides by the sialic acid binding lectin from the horseshoe crab Carcinoscorpius rotunda cauda. Dorai DT, et al. **Biochem Biophys Res Commun** 1982 Jan 15;

104(1):141-7
Serum antibody to staphylococcal teichoic acid and alpha-haemolysin in dermatological patients. Larinkari U. **Br J Dermatol** 1982 Jul;107(1):53-8
Effects of Staphylococcus aureus Cowan I bacteria on the immunoglobulin production from human B-cell subsets. Harada H, et al. **Cell Immunol** 1982 May 1;69(1):70-82
Immunoglobulin characterization by bacterial absorption of antibrain antibodies in multiple sclerosis. Ryberg B, et al. **Eur Neurol** 1981;20(5):374-9
Delayed hypersensitivity to Staphylococcus aureus in mice: characterization of a membrane immunogen involved in delayed hypersensitivity. Bolen JB, et al. **Immunology** 1981 Aug;43(4):619-26
Potentiation of natural killer cell activity of human lymphocytes in vitro: the participation of interferon in stimulation with Staphylococcus aureus Cowan I bacteria but not with protein A. Kasahara T, et al. **Immunology** 1982 Apr;45(4):687-95
Radiation induced changes in alpha toxin of Staphylococcus aureus 3750. Sherekar SV, et al. **Indian J Exp Biol** 1981 Jun;19(6):583-5
Human peripheral blood lymphocyte activation by protein A from Staphylococcus aureus. Chen WY, et al. **Infect Immun** 1982 Apr;36(1):59-65
Binding of human immunoglobulin G to protein A in encapsulated Staphylococcus aureus. King BF, et al. **Infect Immun** 1981 Sep;33(3):666-72
Differences in phagocytosis and killing by alveolar macrophages from humans, rabbits, rats, and hamsters. Nguyen BY, et al. **Infect Immun** 1982 May;36(2):504-9
Cell walls, peptidoglycans, and teichoic acids of gram-positive bacteria as polyclonal inducers and immunomodulators of proliferative and lymphokine responses of human B and T lymphocytes. Räsänen L, et al. **Infect Immun** 1981 Dec;34(3):712-7
Protein A effect on alternative pathway complement activation and opsonization of Staphylococcus aureus. Spika JS, et al. **Infect Immun** 1981 Nov;34(2):455-60
Human alveolar macrophage cytophilic immunoglobulin G-mediated phagocytosis of protein A-positive staphylococci. Verbrugh HA, et al. **J Clin Invest** 1982 Jan; 69(1):63-74
Separate signals for human B cell proliferation and differentiation in response to Staphylococcus aureus: evidence for a two-signal model of B cell activation. Falkoff RJ, et al. **J Immunol** 1982 Jul;129(1):97-102
Demonstration on protein A of two distinct immunoglobulin-binding sites and their role in the mitogenic activity of Staphylococcus aureus Cowan I on human B cells. Romagnani S, et al. **J Immunol** 1982 Aug; 129(2):596-602
Opsonization of encapsulated Staphylococcus aureus: the role of specific antibody and complement. Verbrugh HA, et al. **J Immunol** 1982 Oct;129(4):1681-7
Fibronectin as a co-factor necessary for optimal granulocyte phagocytosis of Staphylococcus aureus. Lanser ME, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):415-24
Stimulation of Immunoglobulin production from human B lymphocytes by Staphylococcus aureus: effects of monocytes and con A-induced suppressor cells. Kasahara T, et al. **Microbiol Immunol** 1981;25(12):1345-56
Proliferative and polyclonal plaque forming cell responses of CBA/N-defective spleen cells by staphylococcal protein A or killed organisms of Staphylococcus aureus Cowan I strain. Tanabe MJ, et al. **Microbiol Immunol** 1981; 25(9):975-9
Role of delayed type hypersensitivity in mice inoculated with Staphylococcus aureus (Strain CH-91). Takeuchi S, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Summer;21(2):106-7
[Antigenic structural studies of S. aureus strains in mastitis in cows] Vitkov M, et al. **Vet Med Nauki** 1981;18(1):44-8 (Eng. Abstr.) **(Bul)**
[Observations on effectiveness of combined vaccine of Staphylococcus aureus cell proteins and its toxoid in treatment of burn-wound infection (author's transl)] Tian FQ. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):96-8 (Eng. Abstr.) **(Chi)**
[Antigenic effects of Staphylococcus aureus with modified surface-structures (author's transl)] Wleklinski CG, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):452-9 (Eng. Abstr.) **(Ger)**
[Stimulation of lymphocytes from patients with primary immunologic disease using Staphylococcus aureus Cowan I strain] Itoh Y, et al. **Rinsho Byori** 1981 Dec;29(12):1272-6 **(Jpn)**
[Role of the immunoglobulin coat in the process of microorganism phagocytosis] Bykov AS, et al. **Arkh Patol** 1981;43(9):10-6 (Eng. Abstr.) **(Rus)**
[Effect of Staphylococcus aureus antigens on splenic lymphocytes of immunized guinea pigs] Kholodnaia LS, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):581-3 (Eng. Abstr.) **(Rus)**
[Staphylococcus aureus antigen in the diagnosis and treatment of children with allergic diseases] Kuznetsova NI, et al. **Pediatriia** 1981;(8):59-61 **(Rus)**
[Clinico-immunological evaluation of the effectiveness of specific hyposensitization in children with allergic diseases] Kuznetsova NI, et al. **Pediatriia** 1982 Feb;(2):35-7 **(Rus)**
[Electron microscopic study of the immune adherence reaction of bacteria with erythrocytes] Bykov AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):102-6 **(Rus)**

[Production of a monovalent staphylococcal enterotoxic antiserum type A and its use for typing staphylococcal enterotoxins] Fluer FS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):107-10 (Eng. Abstr.) **(Rus)**
[Use of a countercurrent immunoelectrophoretic method for isolating antistaphylococcal antibodies and staphylococcal antigen in the blood serum of children with staphylococcal infections] Fomenko GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):30-3 (Eng. Abstr.) **(Rus)**
[Development of experimental keratoconjunctivitis as affected by the combined action of microbial agents and penicillin] Milovidova OV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):40-3 **(Rus)**
[Effect of lymphocytes on macrophage phagocytic activity in delayed hypersensitivity to Staphylococcus] Vikhot' NE. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):87-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Enterotoxin production by Staphylococcus aureus related to the origin of the strains. Olsvik O, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):423-6
Septic arthritis of the sternoclavicular joint due to gram-positive microorganisms. Friedman RS, et al. **Am J Med Sci** 1981 Sep-Oct;282(2):91-3
The effect of menses and use of catamenial products on cervical carriage of Staphylococcus aureus. Noble VS, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):186-9
Staphylococci associated with toxic shock syndrome in the United Kingdom. de Saxe MJ, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):991-6
The epidemiology of genital colonization with Staphylococcus aureus. Linnemann CC Jr, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):940-4
Nasal and vaginal Staphylococcus aureus in young women: quantitative studies. Martin RR, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):951-3
Increased pharyngeal bacterial colonization during viral illness. Ramirez-Ronda CH, et al. **Arch Intern Med** 1981 Nov;141(12):1599-603
Toxic shock syndrome in Britain. de Saxe MJ, et al. **Br Med J [Clin Res]** 1982 May 29;284(6329):1641-2
On the resident aerobic bacterial skin flora in unaffected skin of patients with atopic dermatitis and in healthy controls. Gloor M, et al. **Dermatologica** 1982 Apr;164(4):258-65
Pseudoepidemic of endocarditis in patients undergoing open heart surgery. Aber RC, et al. **Infect Control** 1980 Mar-Apr;1(2):97-9
Enterotoxigenicity of Staphylococcus aureus strains isolated from poultry: raw poultry carcases as a potential food-poisoning hazard. Harvey J, et al. **J Appl Bacteriol** 1982 Apr;52(2):251-8
Microtube coagulase test for detection of coagulase-positive staphylococci. Goldstein J, et al. **J Clin Microbiol** 1982 May;15(5):848-51
Evaluation of the latex slide agglutination test for identification of Staphylococcus aureus. Myrick BA, et al. **J Clin Microbiol** 1982 Feb;15(2):275-7
Comparative evaluation of supplemented peptone broth with sodium polyanetholesulfonate and trypticase soy broth with sodium amylosulfate for detection of septicemia. Tenney JH, et al. **J Clin Microbiol** 1982 Jul;16(1):107-10
Feeding milk containing Staphylococcus aureus to calves. Barto PB, et al. **J Dairy Sci** 1982 Feb;65(2):271-4
Cholecystectomy wounds: source of infection. Macfarlane JR, et al. **J Hosp Infect** 1982 Mar;3(1):49-54
Wound infections and nasal colonization of staff with Staphylococcus aureus in Benin, Nigeria. Wemambu SN. **J Hosp Infect** 1981 Sep;2(3):259-60
Nasal staphylococci in children--a follow-up study. Burr ML, et al. **J Hyg (Lond)** 1982 Jun;88(3):433-7
Staphylococcal myocarditis presenting with Stokes-Adams attacks. Agrawal BV, et al. **J Indian Med Assoc** 1981 Apr; 76(7-8):141-3
Variability in the degree of opsonization and phagocytosis of strains of Staphylococcus aureus isolated from patients with disseminated intravascular coagulation. Tuazon CU, et al. **J Lab Clin Med** 1981 Dec;98(6):949-55
New syndromes from staphylococci [editorial] **J SC Med Assoc** 1981 Jul;77(7):340
The effect of various stress treatments on the coagulase test in Staphylococcus aureus. Korkeala H, et al. **Nord Vet Med** 1981 Sep-Nov;33(9-11):434-40
Survival of Salmonella infantis and Staphylococcus aureus on smoked broiler halves. Hooshyar P, et al. **Poult Sci** 1982 Jan;61(1):79-83
Nasal carriers of coagulase-positive staphylococci in a Nigerian hospital community. Paul MO, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):319-23
[Nosocomial infective agents in a surgical intensive care unit. II. Occurrence of Staphylococcus aureus (author's transl)] Wullenweber M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):492-7 (Eng. Abstr.) **(Ger)**
[Enterotoxigenic Staphylococcus aureus in creamy pastries sold in bakeries and pastry shops in the municipality of São Paulo, Brazil] Iaria ST. **Rev Saude Publica** 1981 Jun; 15(3):321-37 (Eng. Abstr.) **(Por)**
[Staphylococcal syndrome of burned skin: the isolation of II-phage group Staphylococcus aureus and the experimental reproduction of the syndrome] Baliavichene GR. **Vestn Dermatol Venerol** 1981 May;(5):8-12 (Eng. Abstr.) **(Rus)**
[Addition to the scheme of ecologic variants of Staphylococcus aureus] Akatov AK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):46-9 (Eng. Abstr.) **(Rus)**
[Enterotoxigenic capacity and properties related to this characteristic in staphylococci isolated from mastitic milk] Garcia ML, et al. **Microbiol Esp** 1979-1980;32-33:53-63 (Eng. Abstr.) **(Spa)**

METABOLISM

An enterotoxin-like protein in Staphylococcus aureus strains from patients with toxic shock syndrome. Bergdoll MS, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):969-71
Epidermal toxin production by Staphylococcus aureus strains from patients with toxic shock syndrome. Kapral FA. **Ann Intern Med** 1982 Jun;96(6 Pt 2):972-4
Glutamine and proline accumulation by Staphylococcus aureus with reduction in water activity. Anderson CB, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1501-3
In vitro cartilage degradation by Escherichia coli and Staphylococcus aureus. Smith RL, et al. **Arthritis Rheum** 1982 Apr;25(4):441-6
Membrane stabilizers inhibit potassium efflux from Staphylococcus aureus strain No. U2275. Kristiansen JE, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):379-82
Effect of monovalent cations on assimilation of tetracycline antibiotics by bacteria. Plakunov VK, et al. **Biol Bull Acad Sci Ussr** 1980 Nov-Dec;7(6):554-8
Fibronectin mediates attachment of Staphylococcus aureus to human neutrophils. Proctor RA, et al. **Blood** 1982 Apr; 59(4):681-7
Ability of nonviable Staphylococcus aureus Cowan I to bind ionized calcium in vitro and ex vivo in an extracorporeal perfusion system. Ray PK, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5010-4
Release of some staphylococcal enzymes and toxins under the influence of size of inoculum and time of incubation. Gupta KG, et al. **Comp Immunol Microbiol Infect Dis** 1981; 4(1):107-9
A role in vivo for penicillin-binding protein-4 of Staphylococcus aureus. Wyke AW, et al. **Eur J Biochem** 1981 Oct;119(2):389-93
Fibronectin binding to protein A-containing staphylococci. Doran JE, et al. **Infect Immun** 1981 Sep;33(3):683-9
Purification and partial characterization of a putative precursor to staphylococcal enterotoxin B. Tweten RK, et al. **Infect Immun** 1981 Dec;34(3):900-7
Enterotoxigenic staphylococci in Sri Lanka. Palasuntheram C, et al. **J Appl Bacteriol** 1982 Feb;52(1):39-41
Proposed pathway of triterpenoid carotenoid biosynthesis in Staphylococcus aureus: evidence from a study of mutants. Marshall JH, et al. **J Bacteriol** 1981 Sep;147(3):914-9
Cadmium and manganese transport in Staphylococcus aureus membrane vesicles. Perry RD, et al. **J Bacteriol** 1982 May; 150(2):973-6
Adsorption of 14C-labeled gramicidin S on cell of bacteria. Yonezawa H, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):1087-91
Peptide transport in Staphylococcus aureus. Perry D. **J Gen Microbiol** 1981 Jun;124(Pt 2):425-8
The adsorption of phage by Staphylococcus spp. Barnard L, et al. **J Gen Virol** 1981 Mar;53(Pt 1):189-92
Binding of retrovirus-associated protein kinase and proteins to Staphylococcus aureus. Kloetzer WS, et al. **J Gen Virol** 1982 Jun;60(Pt 2):365-70
Enterotoxin A and B production in strains of Staphylococcus aureus isolated from human beings and foods. Reali D. **J Hyg (Lond)** 1982 Feb;88(1):103-6
Experimental production of staphylococcal enterotoxins A, B, and C on rice flour gel medium. Shinagawa K, et al. **Jpn J Med Sci Biol** 1982 Feb;35(1):1-8
Antibiogram and production of beta-lactamase by canine isolates of Staphylococcus aureus. Engvall A, et al. **Nord Vet Med** 1982 Jan-Feb;34(1-2):44-8
Enterotoxin production by Staphylococcus aureus strains isolated from humans, foods and animals in Malaysia. Lim YS, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar;13(1):133-7
[Toxic shock syndrome caused by Staphylococcus aureus group II producing enterotoxin B (letter)] Granthil C, et al. **Nouv Presse Med** 1982 Jan 9;11(1):54 **(Fre)**
[Staphylococcus aureus from cows with subclinical udder infection] Brückler J, et al. **Zentralbl Veterinarmed [B]** 1981; 28(6):494-9 (Eng. Abstr.) **(Ger)**
[Role of bacterial products with special reference to Staphylococcus aureus] Kondo I. **Nippon Rinsho** 1981 Jun; 39(6):2333-8 **(Jpn)**
[Effect of dioxidine on DNA and RNA synthesis in Staphylococcus aureus] Degtiareva IN, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):217-20 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Methicillin-resistant Staphylococcus aureus: microbiologic characteristics, antimicrobial susceptibilities, and assessment of virulence of an epidemic strain. Peacock JE Jr, et al. **J Infect Dis** 1981 Dec;144(6):575-82

[Endocarditis caused by coagulase negative staphylococci] Weintraub M, et al. **Harefuah** 1981 Apr 15;100(8):375–6 (Eng. Abstr.) **(Heb)**

[Biochemical properties of staphylococci differing in virulence] Nikiforova NA. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):70–6 **(Rus)**

[Effect of staphylococcal substance on the phagocytic activity of mouse peritoneal exudate cells] Vershigora AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):73–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Clumping of Staphylococcus aureus by human fibronectin. Espersen F, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):317–21

Staphylococcus aureus: cellular biology and clinical application. Kaplan MH, et al. **Am J Med** 1982 Feb; 72(2):248–58

Staphylococcal pyrogenic exotoxin type C: further characterization. Schlievert PM, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):982–6

Vaginal isolates of Staphylococcus aureus associated with toxic shock syndrome. Barbour AG. **Infect Immun** 1981 Aug;33(2):442–9

Modulation of bacterial association to HeLa cell cultures by cell density and by chlamydial infection. Bose SK, et al. **Infect Immun** 1981 Oct;34(1):154–9

Attachment and ingestion of bacteria by trophozoites of Entamoeba histolytica. Bracha R, et al. **Infect Immun** 1982 Apr;36(1):396–406

Gram-positive bacteria-induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **Infect Immun** 1982 Jul;37(1):336–43

In vitro adherence of bacteria to prosthetic vascular grafts. Sugarman B. **Infection** 1982 Jan;10(1):9–14

A new screening method for investigating microbial interactions. MacFarlane TW, et al. **J Appl Bacteriol** 1982 Apr;52(2):271–4

Staphylococcus aureus in toxic-shock syndrome [letter] Bassaris HP, et al. **J Infect Dis** 1981 Oct;144(4):386–7

[Effect of various factors on staphylococcal multiplication during the production of curd] Petrushina LI, et al. **Vopr Pitan** 1981 Jul-Aug;(4):56–9 (Eng. Abstr.) **(Rus)**

[Electrokinetic properties of Staphylococcus aureus cells] Balakireva SIu, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):22–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiosensitization of Staphylococcus aureus by p-hydroxybenzoic acid. Jacobs GP, et al. **Int J Radiat Biol** 1982 Mar;41(3):351–6

Novel patterns of ultraviolet mutagenesis and Weigle reactivation in Staphylococcus aureus and phage phi 11. Thompson JK, et al. **J Gen Microbiol** 1981 May;124(Pt 1):147–57

ULTRASTRUCTURE

Effect of chlorpromazine on the ultrastructure of Staphylococcus aureus. Kristiansen JE, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):399–405

Cell wall degradation of Staphylococcus aureus by lysozyme. Wecke J, et al. **Arch Microbiol** 1982 Mar;131(2):116–23

Arrangement of peptidoglycan in the cell wall of Staphylococcus spp. Amako K, et al. **J Bacteriol** 1982 May; 150(2):844–50

STAPHYLOMYCIN see **VIRGINIAMYCINS**

STARCH

Temporary ischaemia induced by degradable starch microspheres. Possible thrombogenic effects in vivo and in vitro. Lote K. **Acta Radiol [Oncol]** 1981;20(2):91–6

Simple and effective method of removing starch powder from surgical gloves. Fraser I. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1835

Improved regional selectivity of hepatic arterial BCNU with degradable microspheres. Dakhil S, et al. **Cancer** 1982 Aug 15;50(4):631–5

Hydroxyethyl starch. Thompson WL. **Dev Biol Stand** 1980; 48:259–66

Cycloheptaamylose-dansyl chloride complex as a fluorescent label of surface membranes in living ciliates. Wyroba E, et al. **Histochemistry** 1981 Dec;73(3):459–67

Analysis of moisture sorption nysteresis in hard gelatin capsules, maize starch, and maize starch: drug powder mixtures. York P. **J Pharm Pharmacol** 1981 May; 33(5):269–73

Potentiometric study of molecular complexes of weak acids and bases applied to complexes of alpha-cyclodextrin with para-substituted benzoic acids. Connors KA, et al. **J Pharm Sci** 1982 Feb;71(2):217–22

Hydroxyethyl starch in priming fluid for cardiopulmonary bypass. Sade RM, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):35–8

Enhanced water solubility of vitamins A, D, E, and K by substituted cycloamyloses. Pitha J. **Life Sci** 1981 Jul 20; 29(3):307–11

[Spray embedding of vinpocetin with beta-cyclodextrin] Kata M, et al. **Pharmazie** 1982 May;37(5):386–7 **(Ger)**

[Pharmaceutical applications of cyclodextrin complexations (author's transl)] Uekama K. **Yakugaku Zasshi** 1981 Oct; 101(10):857–73 (75 ref.) (Eng. Abstr.) **(Jpn)**

[Mast cells in experimental aseptic peritonitis induced by intraperitoneal injection of starch] Vasadze OG. **Patol Fiziol Eksp Ter** 1981 Sep-Oct;(5):61–2 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

The effect of type and level of protein, fibre and starch on nitrogen excretion patterns in rats. Beames RM, et al. **Br J Nutr** 1981 Sep;46(2):301–13

ADVERSE EFFECTS

Diagnosis of granulomatous starch peritonitis by delayed hypersensitivity skin reactions. Grant JB, et al. **Br J Surg** 1982 Apr;69(4):197–9

Simple and effective method of removing starch powder from surgical gloves [letter] Ridgway GL, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):510

Starch as a cause of thrombus with Swan-Ganz catheters [letter] Brunswick RA, et al. **Chest** 1982 Jul;82(1):131

Starch peritonitis following peritoneal dialysis. Huertas VE, et al. **Nephron** 1982;30(1):82–4

[Intolerance to cornstarch used as an excipient in drugs? A clinical example (author's transl)] Lagier G, et al. **Therapie** 1981 May-Jun;36(3):365–7 (Eng. Abstr.) **(Fre)**

[Unspecific tissue reactions caused by glove powder] Kaiser W, et al. **Fortschr Med** 1982 Jul 1;100(25):1213–6 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

The effect of hydroxyethyl starch on the rheological properties of human erythrocyte suspensions. Corry WD, et al. **Biorheology** 1981;18(3-6):517–29

Pruritus after administration of hetastarch [letter] **Br Med J [Clin Res]** 1982 May 8;284(6326):1405–6

Pruritus after administration of hetastarch. Parker NE, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):385–6

Hydroxyethyl starch for resuscitation of patients with hypovolemia and shock. Puri VK, et al. **Crit Care Med** 1981 Dec;9(12):833–7

Management of hemorrhagic shock with hydroxyethyl starch, total-dose imferon infusion, and mass spectrophotometry. Sassano JJ, et al. **Crit Care Med** 1982 Jul;10(7):484–5

Hydroxyethyl starch and steroid improved collection of normal granulocytes with continuous flow centrifugation gravity leukapheresis. Iacone A, et al. **Haematologica (Pavia)** 1981 Oct;66(5):645–55

Gas-liquid chromatographic determination of adipate content of acetylated di-starch adipate. Mitchell GA, et al. **J Assoc Off Anal Chem** 1982 Mar;65(2):238–40

Pharmacokinetics of hydroxyethyl starch in normal subjects. Yacobi A, et al. **J Clin Pharmacol** 1982 Apr;22(4):206–12

Pharmacokinetics of high molecular weight hydroxyethyl starch in dogs. Yacobi A, et al. **Res Commun Chem Pathol Pharmacol** 1982 May; 36(2):199–204

Effects of hydroxyethyl starch on erythrocyte typing and blood crossmatching. Daniels MJ, et al. **Transfusion** 1982 May-Jun;22(3):226–8

[Anaphylactoid reaction in rats after administration of dextran and hydroxyethyl starch manufactured in Czechoslovakia (author's transl)] Skala E, et al. **Cas Lek Cesk** 1980 Oct 10;119(40-41):1098–100 (Eng. Abstr.) **(Cze)**

[Effect of the tape and concentration of carboxymethylstarch on the bioavailability of aspirin in tablets] Tape LG, et al. **Farmaco [Prat]** 1982 Apr;37(4):128–38 (Eng. Abstr.) **(Fre)**

[The effects of 500 ml 10% hydroxyethyl starch 200/0.5 and 10% dextran 40 on blood volume, colloid osmotic pressure and renal function in human volunteers (author's transl)] Köhler H, et al. **Anaesthesist** 1982 Feb;31(2):61–7 (Eng. Abstr.) **(Ger)**

[The effect of low-molecular hydroxyethyl starch and dextran 60 on the muscle oxygen supply in intensive care patients] Kopp KH, et al. **Infusionsther Klin Ernahr** 1982 Feb;9(1):44–51 (Eng. Abstr.) **(Ger)**

[Effect of an infusion with middle molecular weight hydroxyethyl starch (HAES-steril 10%) on the flow properties of blood in healthy probands] Landgraf H, et al. **Infusionsther Klin Ernahr** 1981 Aug;8(4):200–4 (Eng. Abstr.) **(Ger)**

[Hemodilution therapy of arterial occlusive diseases using hydroxyethyl starch 200/0,5] Müller-Bühl U, et al. **MMW** 1982 Mar 12;124(10):241–3 (Eng. Abstr.) **(Ger)**

[Granulocyte collection with high molecule HES (HM 30) into 2 alternative bags] Hiraiwa A, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1658–60 **(Jpn)**

[Studies on hydroxyethyl starch-induced abnormalities in normal human red cells detected by Heinz body formation test (author's transl)] Mannoji M. **Rinsho Ketsueki** 1982 Mar;23(3):319–24 (Eng. Abstr.) **(Jpn)**

[Effects of granulocyte and platelet collection by semicontinuous plasmapheresis equipment (Hemonetics model 30) on blood donors: with special reference to the effects of high molecular hydroxyethyl starch] Shimoyama M, et al. **Rinsho Ketsueki** 1981 Oct;22(10):1661–6 **(Jpn)**

[Granulocyte collection by intermittent flow centrifugation leukapheresis (IFC) and filtration leukapheresis (FL). Effects of high molecular hes and hydrocortisone on donors] Suenaga T, et al. **Rinsho Ketsueki** 1981 Oct; 22(10):1667–71 **(Jpn)**

[Graunulocyte collection with high molecule HES--granulocyte collection with IBM plasmapheresis equipment] Tsukimoto I, et al. **Rinsho Ketsueki** 1981 Oct; 22(10):1651–7 **(Jpn)**

ANALYSIS

Structure of the rigid-layer of rhizobium cell wall. II. Evidence for a covalent bond between peptidoglycan and cellodextrins. Drożański W, et al. **Acta Microbiol Pol** 1981; 30(4):371–85

Some properties of starches of grain amaranths and several millets. Tomita Y, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(5):471–84

Intraintestinal carbohydrate in rats during the feeding of glucose or of rat or cooked cornstarch. Malik MA, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):80–5

ANTAGONISTS & INHIBITORS

Starch blocker. Robertson DS. **Ariz Med** 1981 Nov; 38(11):848, 853

DIAGNOSTIC USE

A new assay for alpha-amylase isozymes using gamma-cyclodextrin as substrate. Miwa I, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan;30(1):362–5

Iodinated starch particles: new contrast material for computed tomography of the liver. Cohen Z, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):843–6

IMMUNOLOGY

Ascitic starch phagocytosis in experimental guinea-pig peritonitis. Grant JB, et al. **Br J Exp Pathol** 1981 Aug; 62(4):407–10

METABOLISM

Rate of starch hydrolysis in vitro as a predictor of metabolic responses to complex carbohydrate in vivo. O'Dea K, et al. **Am J Clin Nutr** 1981 Oct;34(10):1991–3

Factors affecting the rate of hydrolysis of starch in food. Snow P, et al. **Am J Clin Nutr** 1981 Dec;34(12):2721–7

Kinetic difference between hydrolyses of gamma-cyclodextrin by human salivary and pancreatic alpha-amylases. Marshall JJ, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):142–7

Enhanced absorption of phenobarbital from suppositories containing phenobarbital-beta-cyclodextrin inclusion complex. Iwaoku R, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1416–21

Effect of albumin on amylase assay using blue starch polymer. Akedo H, et al. **Clin Chim Acta** 1981 Sep;115(3):333–9

Protein utilisation in response to caecal corn starch in ponies. Reitnour CM. **Equine Vet J** 1982 Apr;14(2):149–52

Dietary Pectin's effect on starch utilization in rats. Forman LP, et al. **J Nutr** 1982 Mar;112(3):528–33

The digestion of starch in the small intestine of dairy cows. Pehrson B, et al. **Zentralbl Veterinarmed [A]** 1981; 28(3):241–6

PHARMACODYNAMICS

Effect of feeding an infant formula with high energy density on gastric emptying in infants with congenital heart disease. Cavell B. **Acta Paediatr Scand** 1981 Jul;70(4):513–6

The effects of equal caloric amounts of xylitol, sucrose and starch on insulin requirements and blood glucose levels in insulin-dependent diabetics. Hassinger W, et al. **Diabetologia** 1981 Jul;21(1):37–40

Immediate and late effects of premature weaning of rats to diets containing starch or low levels of sucrose. Angel JF, et al. **J Nutr** 1981 Oct;111(10):1805–15

Dietary effects on metabolism of Yucatan miniature swine selected for low and high glucose utilization. Phillips RW, et al. **J Nutr** 1982 Jan;112(1):104–11

Effect of sucrose and Acarbose feeding on the development of streptozotocin-induced diabetes in the rat. Goda T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):41–56

Effects of cyclodextrins on chlorpromazine-induced haemolysis and central nervous system responses. Uekama K, et al. **J Pharm Pharmacol** 1981 Nov;33(11):707–10

Protective effects of cyclodextrins on drug-induced hemolysis in vitro. Uekama K, et al. **J Pharmacobiodyn** 1981 Feb;4(2):142–4

Enhanced bioavailability of digoxin by gamma-cyclodextrin complexation. Uekama K, et al. **J Pharmacobiodyn** 1981 Sep;4(9):735–7

The effects of alanine, glucose and starch ingestion on the ketosis produced by exercise and by starvation. Koeslag JH, et al. **J Physiol (Lond)** 1982 Apr;325:363–76

Nitrogen and amino acid metabolism in the hindgut of pits fed barley or wheat diets as affected by the infusion of maize starch at the terminal ileum. Misir R, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):221–33

[Enhanced bioavailability of phenytoin by beta-cyclodextrin complexation (author's transl] Tsuruoka M, et al. **Yakugaku Zasshi** 1981 Apr;101(4):360–7 (Eng. Abstr.) **(Jpn)**

[Effect of starch and egg products on the development of Bacillus cereus in milk] Stec E. **Roczn Panstw Zakl Hig** 1981;32(2):101–6 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Study of gamma-irradiated starches derived from different foodstuffs: a way for extrapolating wholesomeness data. Raffi JJ, et al. **J Agric Food Chem** 1981 Nov–Dec; 29(6):1227–32

THERAPEUTIC USE

Kidney radioprotection by temporary hypoxia. Experiments with degradable microspheres. Forsberg JO, et al. **Scand J Urol Nephrol** 1981;15(2):147–52

STARCH (BACTERIAL GLYCOGEN) SYNTHASE see under **GLUCOSYLTRANSFERASES**

STARFISH

ANALYSIS

Sequence complexity in the maternal RNA of the starfish Pisaster ochraceus (Brandt). Kovesdi I, et al. **Dev Biol** 1982 Jan;89(1):56–63

CYTOLOGY

Changes in the pattern of protein phosphorylation during meiosis reinitiation in starfish oocytes. Mazzei G, et al. **Dev Biol** 1982 Jun;91(2):246–56

Microfilament-mediated surface change in starfish oocytes in response to 1-methyladenine: implications for identifying the pathway and receptor sites for maturation-inducing hormones. Schroeder TE. **J Cell Biol** 1981 Aug; 90(2):362–71

The centriolar complex isolated from starfish spermatozoa. Kuriyama R, et al. **J Cell Sci** 1981 Jun;49:33–49

GENETICS

Single copy DNA homology in sea stars. Smith MJ, et al. **J Mol Evol** 1982;18(2):92–101

IMMUNOLOGY

Properties of cell subpopulations of starfish axial organ: in vitro effect of pokeweed mitogen and evidence of lymphokine-like substances. Leclerc M, et al. **Scand J Immunol** 1981;14(3):281–4

METABOLISM

In vitro biosynthesis of steroids from androstenedione by the ovaries and pyloric caeca of the starfish Asterias rubens. Schoenmakers HJ, et al. **Gen Comp Endocrinol** 1981 Oct; 45(2):242–8

Histofluorescence study and biochemical assay of catecholamines (dopamine and noradrenaline) during the course of arm-tip regeneration in the starfish, Asterina gibbosa (Echinodermata, Asteroidea). Huet M, et al. **Histochemistry** 1981;72(1):149–54

Block of inward rectification by intracellular H+ in immature oocytes of the starfish Mediaster aequalis. Moody WJ, et al. **J Gen Physiol** 1982 Jan;79(1):115–30

PHYSIOLOGY

Changes in the activities of selected enzymes of intermediary metabolism in the pyloric caeca and ovaries of asterias rubens during the annual reproductive cycle. van der Plas AJ, et al. **Comp Biochem Physiol [B]** 1982;71(3):379–85

Ammonia and other weak bases applied at any time of the hormone-dependent period inhibit 1-methyladenine-induced meiosis reinitiation of starfish oocytes. Doree M, et al. **Dev Biol** 1982 Mar;90(1):13–7

Calmodulin in starfish oocytes. I. Calmodulin antagonists inhibit meiosis reinitiation. Meijer L, et al. **Dev Biol** 1981 Dec;88(2):318–24

Protein synthesis is not involved in initiation or amplification of the maturation-promoting factor (MPF) in starfish oocytes. Dorée M. **Exp Cell Res** 1982 May;139(1):127–33

Calmodulin antagonists and hormonal control of meiosis in starfish oocytes. Dorée M, et al. **Exp Cell Res** 1982 May; 139(1):135–44

Evidence that cAMP-dependent protein kinase and a protein factor are involved in reactivation of triton X-100 models of sea urchin and starfish spermatozoa. Ishiguro K, et al. **J Cell Biol** 1982 Mar;92(3):777–82

STARTLE REACTION

Behavioral treatment of a persistent post-traumatic startle response. Fairbank JA, et al. **J Behav Ther Exp Psychiatry** 1981 Dec;12(4):321–4

Cardiac orienting and startle blink modification in novel and signal situations. Bohlin G, et al. **Psychophysiology** 1981 Sep;18(5):603–11

[Drive representation, orienting reflex, alarm reaction. A sketch of subject matter and research logic in psychosomatics] Stadler P. **Psyche (Stuttg)** 1982 Feb; 36(2):97–122 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Strychnine: brainstem and spinal mediation of excitatory effects on acoustic startle. Kehne JH, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):177–86

Effects of levonantradol on habituation of startle in rats. Geyer MA. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):235S–239S

Pentylenetetrazol-induced enhancement of reticular formation auditory evoked potentials and acoustic startle responses in the cat. Faingold CL, et al. **Neuropharmacology** 1981 Aug;20(8):787–9

Effects of caffeine on tactile startle in rats. Ward HW, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):875–7

Spinal modulation of acoustic startle: opposite effects of clonidine and d-amphetamine. Davis M, et al. **Psychopharmacology (Berlin)** 1981;75(3):219–25

PHYSIOLOGY

Effects of tactile startle on serotonin content of midbrain raphe neurons in rats. Geyer MA, et al. **Behav Brain Res** 1982 Apr;4(4):369–76

Effects of mesencephalic reticular formation lesions on habituation of startle and lick suppression responses in the rat. Jordan WP, et al. **J Comp Physiol Psychol** 1982 Apr; 96(2):170–83

Habituation of startle response, lick suppression, and exploratory behavior in rats with hippocampal lesions. Leaton RN. **J Comp Physiol Psychol** 1981 Oct;95(5):813–26

A primary acoustic startle circuit: lesion and stimulation studies. Davis M, et al. **J Neurosci** 1982 Jun;2(6):791–805

Startle habituation in rats after lesions in the brachium of the inferior colliculus. Jordan WP, et al. **Physiol Behav** 1982 Feb;28(2):253–8

[Facilitation effect of lead stimulation on the startle, eyeblink reflex: an analysis of changes in heart rate and some somatic responses (author's transl)] Yamasaki K, et al. **Shinrigaku Kenkyu** 1982 Feb;52(6):354–8 (Eng. Abstr.) **(Jpn)**

[Changes in spino-bulbo-spinal reflexes during the respiratory cycle in cats] Gokin AP. **Neirofiziologiia** 1981; 13(4):421–4 (Eng. Abstr.) **(Rus)**

[Synaptic excitation of reticulospinal neurons during the startle reaction in cats anesthetized with chloralose] Gokin AP, et al. **Neirofiziologiia** 1981;13(6):594–603 (Eng. Abstr.) **(Rus)**

STARVATION

see related
FASTING
FOOD DEPRIVATION
HUNGER

Behavioral responses to pyrogen in cold-stressed and starved newborn rabbits. Kleitman N, et al. **Am J Physiol** 1981 Sep;241(3):R167–72

Famine relief and imperial policy in early modern Morocco: the political functions of public health. Meyers AR. **Am J Public Health** 1981 Nov;71(11):1266–73

Induction of ornithine decarboxylase in colon and liver by starvation and refeeding: a comparison of effects on total and holoenzyme. Stanley BA, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):773–7

Some physiological and biochemical features of starvation and refeeding in small wild rodents (Microtinae). Mosin AF. **Comp Biochem Physiol [A]** 1982;71(3):461–4

Glycogen synthase R in livers of starved rats and starved rats given glucose. Tan AW. **J Biol Chem** 1982 May 10; 257(9):5004–7

Degradation of intra- and extrahepatic protein by livers of normal and diabetic mice: differential responses to starvation. Hutson NJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1737–41

Interactions of starvation and selective phosphorus depletion on renal phosphate reabsorption. Steele TH. **Renal Physiol** 1982 Jan–Feb;5(1):44–52

Hunger-strikes [editorial] **S Afr Med J** 1982 Jul 17;62(3):77

BLOOD

Dopaminergic control of ketogenesis in fasting. Blesa-Malpica G, et al. **Clin Endocrinol (Oxf)** 1981 May; 14(5):479–84

Plasma concentrations of glucose, corticosterone, glucagon and insulin and liver content of metabolic substrates and enzymes during starvation and additional hypoxia in the rat. Mlekusch W, et al. **Horm Metab Res** 1981 Nov; 13(11):612–4

The effects of alanine, glucose and starch ingestion on the ketosis produced by exercise and by starvation. Koeslag JH, et al. **J Physiol (Lond)** 1982 Apr;325:363–76

'Accelerated starvation' and the skipped breakfast in late normal pregnancy. Metzger BE, et al. **Lancet** 1982 Mar 13;1(8272):588–92

Influence of repeated deprivation upon starvation-induced hypovolemia and plasma aldosterone concentration in rats. Wright JW, et al. **Pharmacol Biochem Behav** 1982 May; 16(5):697–9

[Influence of starvation and kinesitherapy on blood lipids and their fractions (author's transl)] Jungmann H, et al. **Klin Wochenschr** 1981 Sep 15;59(18):1061–4 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Effect of dietary protein quality on rat kidney glutaminase activity. Kuttykrishnan C, et al. **Ann Nutr Metab** 1981; 25(3):151–7

Regulation of acetyl-CoA carboxylase in rat mammary gland. Effects of starvation and of insulin and prolactin deficiency on the fraction of the enzyme in the active form in vivo. McNeillie EM, et al. **Biochem J** 1982 Apr 15; 204(1):273–80

Evolution of gluconeogenic enzyme activities during starvation in liver and kidney of the rainbow trout (Salmo gairdneri). Morata P, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):65–70

Effects of starvation, insulin or prolactin deficiency on the activity of acetyl-CoA carboxylase in mammary gland and liver of lactating rats. Munday MR, et al. **FEBS Lett** 1982 Feb 22;138(2):285–8

The effect of starvation, restricted feed intake and refeeding on acid phosphatase activity of the hypothalamus and frontal cerebral cortex of the rat. Ruiz de Galarreta CM, et al. **Rev Esp Fisiol** 1981 Sep;37(3):349–52

[Oxidative phosphorylation and the activity of the polyenzyme systems of rat liver mitochondrial membranes in starvation] Almatov KT, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):50–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Peripheral neuropathy and starvation after gastric partitioning for morbid obesity. Feit H, et al. **Ann Intern Med** 1982 Apr;96(4):453–5

Complacent infantile starvation. Heiger AA. **Conn Med** 1981 Aug;45(8):515–6

IMMUNOLOGY

Opsonic fibronectin deficiency in the etiology of starvation-induced reticuloendothelial phagocytic dysfunction. Dillon BC, et al. **Exp Mol Pathol** 1982 Apr; 36(2):177–92

METABOLISM

Biochemical composition of muscle in normal and semistarved human subjects: relevance to anthropometric measurements. Heymsfield SB, et al. **Am J Clin Nutr** 1982 Jul;36(1):131–42

Refeeding after a fast in rats: effects on small intestinal enzymes. Kotler DP, et al. **Am J Clin Nutr** 1982 Sep; 36(3):457–62

Adaptation to prolonged starvation in the rat: curtailment of skeletal muscle proteolysis. Goodman MN, et al. **Am J Physiol** 1981 Oct;241(4):E321–7

Effect of starvation of the synthesis rate of albumin in vivo and its relation to the concentrations of amino acids in the peripheral blood, the portal circulation and in the liver cytosolic fraction. Yap SH, et al. **Ann Nutr Metab** 1981; 25(3):158–64

Carbohydrate metabolism of hepatocytes from starved Japanese quail. Golden S, et al. **Arch Biochem Biophys** 1982 Jan;213(1):118–26

Pathways of reducing equivalents in hepatocytes from starved, ethanol-induced, and hyperthyroid rats during ethanol and xylitol metabolism. Vind C, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):697–708

Possible involvement of the enhanced tryptophan pyrrolase activity in the corticosterone- and starvation-induced increases in concentrations of nicotinamide-adenine dinucleotides (phosphates) in rat liver. Badawy AA. **Biochem J** 1981 Apr 15;196(1):217–24

Effects of liver damage on ketone-body production and nitrogen balance in starved rats. Flatt JP, et al. **Biochem J** 1981 Jul 15;198(1):227–30

Differential effects of starvation on alanine and glutamine transport in isolated rat hepatocytes. Hayes MR, et al. **Biochem J** 1982 Apr 15;204(1):365–8

Role of pyruvate dehydrogenase and insulin in the regulation of lipogenesis in the lactating mammary gland of the rat during the starved-refed transition. Munday MR, et al. **Biochem J** 1981 Jun 15;196(3):831–7

The role of leucine in ketogenesis in starved rats. Thomas LK, et al. **Biochem J** 1982 May 15;204(2):399–403

Lipogenesis in response to an oral glucose load in fed and starved rats. Sugden MC, et al. **Biosci Rep** 1981 Jun; 1(6):469–76

Regulation of hepatic lipogenesis in starved and diabetic animals by thyroid hormone. Sugden MC, et al. **Biosci Rep** 1981 Oct;1(10):757–64

Brown-adipose-tissue lipogenesis in starvation: effects of insulin and (–) hydroxycitrate. Sugden MC, et al. **Biosci Rep** 1982 May;2(5):289–97

Effect of diabetes, insulin, starvation, and refeeding on the level of rat hepatic fructose 2,6-bisphosphate. Neely P, et al. **Diabetes** 1981 Dec;30(12):1062–4

Effects of oxaloacetate and beta-hydroxybutyrate on rat liver mitochondrial calcium flow during starvation. Lucas M, et al. **Horm Metab Res** 1981 Aug;13(8):438–41

Effect of starvation on somatostatin content of pancreas and gastrointestinal tract of the guinea pig. Tanigawa K, et al. **Horm Metab Res** 1982 May;14(5):245–7

The effect of progressive starvation in vivo on amino acid transport and rubidium uptake in monolayer cultures of rat hepatocytes. Bellemann P. **J Biochem (Tokyo)** 1981 Oct;

90(4):1101–15
Suppression of cytoplasmic protein uptake by lysosomes as the mechanism of protein regain in livers of starved–refed mice. Hutson NJ, et al. **J Biol Chem** 1982 Aug 25; 257(16):9548–54
Effect of starvation and diet composition on two pathways of L–serine metabolism in isolated rat hepatocytes. Beliveau GP, et al. **J Nutr** 1982 Apr;112(4):686–96
Starvation–induced ketone body production in the conscious unrestrained miniature pig. Müller MJ, et al. **J Nutr** 1982 Jul;112(7):1379–86
Changes in liver lobule glycogen zonation during prolonged fasting of rats previously fed a 30% casein diet and adapted to a controlled feeding schedule. Richards WL. **J Nutr** 1982 May;112(5):934–40
Effects of diet composition and adrenalectomy on the lipogenic responses of rats to starvation–refeeding. Williams BH, et al. **J Nutr** 1982 Mar;112(3):534–41
The influence of starvation on intestinal cholecystokinin–like activity and pancreatic growth. Brand SJ, et al. **J Physiol (Lond)** 1981 Dec;321:469–82
Influence of starvation on the dihydrotestosterone–luteinizing hormone feedback in the male rat. Pirke KM, et al. **J Steroid Biochem** 1982 Mar;16(3):403–6
Metabolic adaptations to starvation, semistarvation, and carbohydrate restriction. Aoki TT. **Prog Clin Biol Res** 1981; 67:161–77
[Effect of insulin on DNA synthesis in the liver of rats refed after starvation] Simek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):115–21 **(Cze)**
[Cytochemical alterations in teleost hepatocytes induced by starvation (author's transl)] Macha N, et al. **Cell Mol Biol** 1982;28(2):183–6 **(Fre)**
[Metabolical and endocrinal study of anorexia nervosa unable to walk from starvation] Yoshimura M, et al. **Nippon Rinsho** 1981;39(7):2667–72 **(Jpn)**
[Metabolic and hematologic changes in the northern red–backed vole Clethrionomys rutilus and the large–toothed red–backed vole Clethrionomys rufocanus during short–term starvation and refeeding] Mosin AF, et al. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):47–52 (Eng. Abstr.) **(Rus)**

MORTALITY

Hunger strikers may have died of fat, not protein, loss [news] Korcok M. **JAMA** 1981 Oct 23–30;246(17):1878–9
Mortality, nutritional status, and diet during the famine in Karaomoja, Uganda, 1980. Biellik RJ, et al. **Lancet** 1981 Dec 12;2(8259):1330–3

OCCURRENCE

Current famine in North–East Uganda [letter] Biellik RJ, et al. **Lancet** 1981 Sep 26;2(8248):697

PATHOLOGY

Emphysema–like changes in the lungs of starved rats. Sahebjami H, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):619–24
Tracheal mucosae in starvation. Shintaku K, et al. **Igaku Kenkyu** 1981 Oct;51(4):211–2

PHYSIOPATHOLOGY

Starvation accelerates blood–brain glucose transfer. Christensen TG, et al. **Acta Physiol Scand** 1981 Jun; 112(2):221–3
Prenatal starvation and maternal blood pressure near delivery. Ribeiro MD, et al. **Am J Clin Nutr** 1982 Mar; 35(3):535–41
Effect of hyperventilation and starvation on rat lung mechanics and surfactant. Thet LA, et al. **Am Rev Respir Dis** 1982 Aug;126(2):286–90
Suppression of egg–laying during starvation in the snail Lymnaea stagnalis by inhibition of the ovulation hormone producing caudo–dorsal cells. Ter Maat A, et al. **Brain Res** 1982 May 13;239(2):535–42
Understanding starvation in the critically ill patient. Stotts NA, et al. **Heart Lung** 1982 Sep–Oct;11(5):469–78
Chronic starvation impairs the effect of depressant drugs on CNS of rats. Masur J, et al. **Pharmacology** 1981;23(2):64–8
The effect of starvation, diabetes or hypophysectomy on the testicular function in rat. Ruiz de Galarreta CM, et al. **Rev Esp Fisiol** 1981 Jun;37(2):135–40
[Pathophysiologic changes and their monitoring in a prolonged fasting state] Puchstein C, et al. **Med Klin [Prax]** 1982 Jun 18;77(13):22–7 **(Ger)**

PREVENTION & CONTROL

Nutrition in health and disease and international development. Plenary address: the challenge of world hunger. Soedjatmoko K. **Prog Clin Biol Res** 1981;77:1–16

THERAPY

Medical ethics and political protest. Dooley–Clarke D. **Hastings Cent Rep** 1981 Dec;11(6):5–8

URINE

Urinary excretion of 3–hydroxy–3–methylglutaric acid in the diabetic condition. Deana R, et al. **Clin Biochem** 1982 Apr; 15(2):73–5

VETERINARY

Successful experimental challenge of dogs with canine parvovirus–2. Carman S, et al. **Can J Comp Med** 1982 Jan; 46(1):33–8
Effects of maternal starvation on some blood metabolites, liver glycogen, birth weight and survival of piglets. Ezekwe MO. **J Anim Sci** 1981 Dec;53(6):1504–10
Liver vitamin A slow release syndrome in cattle with a multiple nutrient imbalance. Geurin HB. **J Anim Sci** 1981 Sep;53(3):758–64
The inorganic constituents of milk. IV. Diffusible calcium and magnesium concentrations in goat's milk and the effect of starvation. Ormrod IH, et al. **J Dairy Res** 1982 May; 49(2):179–86
Adrenal response of the newborn calf to acute inanition and colostral feeding. Nightengale GT, et al. **J Dairy Sci** 1981 Feb;64(2):236–40

STATE HEALTH PLANNING AND DEVELOPMENT AGENCIES see under **HEALTH PLANNING ORGANIZATIONS**

STATE HEALTH PLANNING, UNITED STATES see **HEALTH PLANNING**

STATE HEALTH PLANS

Legislating hospital bed reduction: the Michigan experience. Paul–Shaheen P, et al. **J Health Polit Policy Law** 1982 Winter;6(4):653–75
Health department outlines influenza vaccine needs. McCarthy MA. **Penn Dent J (Phila)** 1981 Oct;84(10):12–3
The hassle factor [editorial] Jensen BH. **Wis Med J** 1981 Mar;80(3):15

STATE MEDICINE

Comment by the British DEntal Association on the report of the Dental Strategy Review Group. **Br Dent J** 1982 Mar 16;152(6):207–10
Discontinuation of orthodontic treatment in the general dental service in England and Wales 1972 to 1979. Haynes S. **Br Dent J** 1982 Feb 16;152(4):127–9
A healthy view of physicians. Amiel B. **Can Med Assoc J** 1982 May 1;126(9):1107–8
Medical staffing in the National Health Service in Scotland. Howitt LF. **Health Bull (Edinb)** 1982 Mar;40(2):103–10
Computer usuage in Britain's National Health Service. **Hospitals** 1981 Oct 16;55(20):110
The 1980 Reith Lectures—some reactions. Agreements and disagreements. Black D. **J Med Ethics** 1981 Dec;7(4):173–6
The state of the N.H.S. [editorial] **Lancet** 1982 Sep 11; 2(8298):587
At home and abroad [editorial] **Lancet** 1982 Jan 2; 1(8262):23–4
The aims of a health service. Black D. **Lancet** 1982 Apr 24; 1(8278):952–4
Health service sickness [news] **Nature** 1982 Sep 23; 299(5881):287–8
A visit with an English GP. Walbroehl GS. **Ohio State Med J** 1982 May;78(5):325, 329
The physiotherapist as a bureaucrat. Kinston W, et al. **Physiotherapy** 1981 Jun;67(6):168–70
Inspection of Crown premises. Ware TE. **R Soc Health J** 1981 Oct;101(5):210–3
The work of the health service commissioner. Weston G. **Trans Med Soc Lond** 1979;95:31–42
[20 years of hospital care at home under Public Assistance] Roussel A. **Bull Acad Natl Med (Paris)** 1981 Oct; 165(7):915–20 (Eng. Abstr.) **(Fre)**
[Methods of organizing scientific drug therapy by the Karl Marx Stadt District Therapy Commission] Kobler A. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):265–7 **(Ger)**
[Development of the number of disabled under East German State Health Insurance] Scholz RD, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):260–4 **(Ger)**
[History and results achieved in the debate on the physician's duty concerning life preservation in the developmental process of our socialist public health service] Hahn S, et al. **Z Gesamte Hyg** 1981 Apr;27(4):296–305 (Eng. Abstr.) **(Ger)**
[The differences between the National Health Service and Servizio Sanitario Nazionale] Palenzona C. **Minerva Med** 1982 Jul 14;73(28–29):2013–4 **(Ita)**
[The quality of life and medicine of the healthy man in the view of the Romanian Communist Party] Marinescu CG, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun; 85(2):249–52 **(Rum)**
[Health, disease, and medicine] Denisenko PP, et al. **Vestn Akad Med Nauk SSSR** 1982;(4):33–7 **(Rus)**
[Medicine and society] Shchepin OP, et al. **Vestn Akad Med Nauk SSSR** 1981;(4):22–36 **(Rus)**

ECONOMICS

Increased dental charges [letter] **Br Dent J** 1982 Apr 20; 152(8):261–2
Death by a thousand cuts [editorial] **Br Med J [Clin Res]** 1982 Jul 3;285(6334):1–2
Death by a thousand cuts [letter] **Br Med J [Clin Res]** 1982 Jul 24;285(6337):288–9
Enough is enough. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):669–70
Medical care as a risk–avoidance procedure: underwriting the cost of care in the UK. Roberts CJ. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):751, 754–5
Drug reimbursement in four Nordic countries. Hemminki E, et al. **Scand J Soc Med** 1981;9(1):1–10

HISTORY

The NHS in an international setting. Godber G. **Health Bull (Edinb)** 1982 Mar;40(2):67–76
[Role of the state in the medical affairs of the Aztecs (a study of the medicine of slave–owning societies)] Prygova NM. **Sov Zdravookhr** 1981;(8):68–71 **(Rus)**

LEGISLATION & JURISPRUDENCE

Quebec physicians say government has taken over. Bieler Z. **Can Med Assoc J** 1982 Apr 15;126(8):972–7

ORGANIZATION & ADMINISTRATION

Drug information network in the United Kingdom National Health Service. Calder G, et al. **Am J Hosp Pharm** 1981 May;38(5):663–6
Strategic policy monitoring at DHSS [editorial] **Br Med J [Clin Res]** 1981 Sep 26;283(6295):807
NHS reorganisation: some hazards for doctors [editorial] **Br Med J [Clin Res]** 1981 Sep 26;283(6295):810
Reorganisation à la carte [editorial] **Br Med J [Clin Res]** 1982 Mar 13;284(6318):769–70
How valuable is the Review Body? [editorial] **Br Med J [Clin Res]** 1982 May 15;284(6327):1429–30
More industrial action in the NHS [editorial] **Br Med J [Clin Res]** 1982 May 22;284(6328):1510
Clinicians and management teams. Eskin F. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1281–2
Contractual arrangements: NHS use of the private sector. Horne DA. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1060–1
Auditing the NHS. Klein R. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):672–3
Community physicians and NHS reorganisation in England. Miles DP. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):743–4
Study of stroke patients in a single general practice [letter] Wade DT, et al. **Br Med J [Clin Res]** 1982 Apr 24; 284(6324):1268
Community medicine in the restructured NHS. **Community Med** 1981 Nov;3(4):320–9
How many divisions has the Pope? Community medicine and community health councils. Black N. **Community Med** 1981 Nov;3(4):314–9
Sweden's crisis in medical care: political and legal changes. Hessler RM, et al. **J Health Polit Policy Law** 1982 Summer; 7(2):440–59
NHS reorganisation and prospects in bioengineering. Meldrum SJ. **J Med Eng Technol** 1981 Sep;5(5):215
General practitioners and National Health Service planning [editorial] **J R Coll Gen Pract** 1981 Jul;31(228):389–90
Research into the organisation of physiotherapy. Ovretveit J, et al. **Physiotherapy** 1981 Apr 10;67(4):110–3
Organisational problems of high–level clinical physiotherapists. Physiotherapy organisation: 5. Ovretveit J, et al. **Physiotherapy** 1982 Jan;68(1):10–2
District planning teams in England. Kearns W, et al. **Public Health** 1982 Mar;96(2):86–95
Changes in public health in London in the past fifty years. Benjamin B. **R Soc Health J** 1981 Dec;101(6):245–60
Situation and role of medical enterprises in the public health system supply. Kiss GS. **Sante Publique (Bucur)** 1981; 24(4):333–9
The present situation and prospects of infantile prophylactic medical assistance in USSR. Novikova ECh. **Sante Publique (Bucur)** 1981;24(4):315–24
'How permanent are NHS waiting lists?' [letter] Mapes R. **Soc Sci Med [C]** 1981 Sep;15C(3):191–2

STANDARDS

Monitoring and standards in the NHS: (2) standards. Shaw CD. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):288–9
Consumerism in the doctor–patient relationship. Little S. **J Med Ethics** 1981 Dec;7(4):187–90

TRENDS

Research and the NHS. Illsley R. **Health Bull (Edinb)** 1982 Jan;40(1):54–7
I'm still proud to be a doctor, Mr Kennedy. Wilkes E. **J Med Ethics** 1981 Dec;7(4):177–9
The British National Health Service: retrospect and prospect. Kinnaird J. **J Public Health Policy** 1981 Dec;2(4):382–412
Future balance of care—the GP's view. Ball J. **R Soc Health J** 1981 Dec;101(6):226–8
Computing in the National Health Service. Cohen RD. **R Soc Health J** 1981 Oct;101(5):174–8
The National Health Service—a time for change. Pethybridge F. **R Soc Health J** 1981 Dec;101(6):223–5
[Status of pathological anatomy in the socialist and people's democracy countries] Shtern RD. **Arkh Patol** 1982; 44(1):74–80 (34 ref.) (Eng. Abstr.) **(Rus)**

STATISTICS

see related
BIOMETRY
PSYCHOMETRICS
SOCIOMETRIC TECHNICS

Multivariate logit analysis of concordance ratios for quantitative traits in twin studies. Kaprio J, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):267-74

A statistical model and analysis for genetic and environmental effects in responses from twin-family studies. Williams JS, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):9-38

Methodology of data collection. Utilization of routine statistics from mental and other health services. Brooke EM. **Acta Psychiatr Scand [Suppl]** 1982;296:24-32

Statistical information relevant for monitoring, planning and administration of mental health services. Gulbinat W. **Acta Psychiatr Scand [Suppl]** 1982;296:33-41

The scalogram of the school-achievement test. Komenda S, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:189-225

Monte Carlo verification of the scalogram model. Lukš A, et al. **Acta Univ Palacki Olomuc Fac Med** 1982;102:227-44

Significance in statistical analysis of data [letter] Pagani JJ. **AJR** 1982 Jan;138(1):180-1

Alternative approaches to evaluating the impact of local control on survival. Lee JY, et al. **Am J Clin Oncol** 1982 Jun;5(3):281-4

A statistical note: selection of an endpoint. Lee JY. **Am J Clin Oncol** 1982 Jun;5(3):261-5

Atypicality indices as reference values for laboratory data. Albert A. **Am J Clin Pathol** 1981 Oct;76(4):421-5

The T-test and clinical relevance. Is your beta error showing. Arkin CF. **Am J Clin Pathol** 1981 Oct;76(4):416-20

Power considerations in epidemiologic studies of vinyl chloride workers. Beaumont JJ, et al. **Am J Epidemiol** 1981 Nov;114(5):725-34 (16 ref.)

Randomization by cluster. Sample size requirements and analysis. Donner A, et al. **Am J Epidemiol** 1981 Dec; 114(6):906-14

Jackknifing functions of multinomial frequencies, with an application to a measure of concordance. Fleiss JL, et al. **Am J Epidemiol** 1982 Jun;115(6):841-5

The performance of three approximate confidence limit methods for the odds ratio. Gart JJ, et al. **Am J Epidemiol** 1982 Mar;115(3):453-70

The effect of misclassification in matched-pair case-control studies. Greenland S. **Am J Epidemiol** 1982 Aug; 116(2):402-6

Are case-control studies more vulnerable to response bias? Greenland S, et al. **Am J Epidemiol** 1981 Aug;114(2):175-7

Validity of Bernoulli census, log-linear, and truncated binomial models for correcting for underestimates in prevalence studies. Hook EB, et al. **Am J Epidemiol** 1982 Jul;116(1):168-76

Sample sizes for individually matched case-control studies: a group sequential approach. Pasternack BS, et al. **Am J Epidemiol** 1982 May;115(5):778-84

An example of sample size determination for family studies. Pickle LW, et al. **Am J Epidemiol** 1981 Sep;114(3):299-303

A note about the inference based on the proportionate mortality ratio [letter] Sartor FA. **Am J Epidemiol** 1982 Jan;115(1):144-5

Re: 'Replacement estrogens and breast cancer': variance estimates in cohort studies with sampling for covariates [letter] Walker AM. **Am J Epidemiol** 1981 Oct;114(4):605-6

Study of seasonality [letter] Walter SD. **Am J Epidemiol** 1982 Jul;116(1):192-6

Trials of structural exploratory data analysis. Morton NE, et al. **Am J Hum Genet** 1982 May;34(3):489-500

Definition and comparability of nosocomial infection rates. Madison R, et al. **Am J Infect Control** 1982 May;10(2):49-52

When doctors meet numbers. Berwick DM, et al. **Am J Med** 1981 Dec;71(6):991-8

Findings of teaching aids study are inaccurate [letter] Wakefield DS. **Am J Occup Ther** 1981 Oct;35(10):668-9

Intraocular lenses, axial length, and retinal detachment [letter] Clayman HM. **Am J Ophthalmol** 1982 Jun;93(6):807

Improving reporting of follow-up data. Hillis A. **Am J Ophthalmol** 1982 Feb;93(2):250-3

Nonlinearity, multistability, and fluctuations: reviewing the reviewers. Landauer R. **Am J Physiol** 1981 Sep; 241(3):R107-13

The analysis of statistical methods [letter] Bresnitz EA. **Am Rev Respir Dis** 1982 Jun;125(6):785-6

Support versus illumination: trends in medical statistics [editorial] Longnecker DE. **Anesthesiology** 1982 Aug; 57(2):73-4

Comparison ot two methods of measurements of the same substance: an evaluation of some statistical procedures. Lubran MM. **Ann Clin Lab Sci** 1982 Mar-Apr;12(2):134-42

Statistical methods in the study of toxic shock syndrome. Chambless LE, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):912-7

Surgical management of parotid gland tumors [letter] Onken HD. **Ann Plast Surg** 1981 Sep;7(3):257

Timely topics in statistical methods for clinical trials. Louis TA, et al. **Annu Rev Biophys Bioeng** 1982;2:81-104 (153 ref.)

Discriminant analysis in adoption studies [letter] Cadoret RJ, et al. **Arch Gen Psychiatry** 1982 Aug;39(8):974-5

Possible misinterpretations when evaluating psychological time series. Krauth J. **Arch Psychol (Frankf)** 1980; 133(2):139-47

Protocols for routine toxicity studies: a statistician's view. Chanter DO. **Arch Toxicol [Suppl]** 1982;5:40-4

Statistical analysis of behavioral toxicology data and studies. Gad SC. **Arch Toxicol [Suppl]** 1982;5:256-66

Statistics and the LD50 study. Tattersall ML. **Arch Toxicol [Suppl]** 1982;5:267-70

Statistical analysis and normality of selected hematologic and clinical chemistry measurements used in toxicologic studies. Weil CS. **Arch Toxicol [Suppl]** 1982;5:237-53

The other side of statistical significance: a review of type II errors in the Australian medical literature. Hall JC. **Aust NZ J Med** 1982 Feb;12(1):7-9

Jerome Cornfield's publications: contributions to the literature as they appeared from 1941 through 1980. **Biometrics** 1982 Mar;38 Suppl:47-52

Jerome Cornfield's contributions to the conduct of clinical trials. Ederer F. **Biometrics** 1982 Mar;38 Suppl:25-32 (28 ref.)

The contributions of Jerome Cornfield to the theory of statistics. Zelen M. **Biometrics** 1982 Mar;38 Suppl:11-5 (15 ref.)

Determining the number of interacting species: significant factor analysis. Halvorson HR. **Biophys Chem** 1981 Oct; 14(2):177-84

Recent advances in the analysis of a repertory grid. Shaw ML, et al. **Br J Med Psychol** 1981 Dec;54(Pt 4):307-18

Have multivariate statistics contributed to classification? Paykel ES. **Br J Psychiatry** 1981 Oct;139:357-62

Use of the t test in the British Journal of Surgery [letter] Hall JC. **Br J Surg** 1982 Jan;69(1):55-6

Statistics in question. Assessing methods--many variables. Gore SM. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):901-5

Statistics in question. Assessing methods--critical comment. Gore SM. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):966-9

Statistics in question [letter] Grayson MF. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):917

Measurement of omission. Hart JT. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1686-9

Comparison of nitrogen washin and washout using moment ratio analysis. Mertens P, et al. **Bull Eur Physiopathol Respir** 1982 Mar-Apr;18(2):303-7

Application of SPSS to management of computer-assisted instruction usage statistics. Stakenas JA, et al. **Bull Med Libr Assoc** 1982 Apr;70(2):231-3

Sensitivity, specificity, prevalence and predictive values [letter] Hill JG. **Can Med Assoc J** 1981 Oct 15;125(8):819

Clinical trials on trial. III. Should statistics give the final verdict? Morgan PP. **Can Med Assoc J** 1982 Jun 15; 126(12):1369-70

Nonparametric confidence limits for survival probabilities and median survival time. Simon R, et al. **Cancer Treat Rep** 1982 Jan;66(1):37-42

PISA: a noninvasive method in detection and quantification of acid-induced myocardial infarction in dogs. Prasad K, et al. **Clin Cardiol** 1981 Jul-Aug;4(4):180-7

A multi-stage Gaussian transformation algorithm for clinical laboratory data. Boyd JC, et al. **Clin Chem** 1982 Aug; 28(8):1735-41

Effect of outlying standard points on curve fitting in radioimmunoassay [letter] Wilkins TA, et al. **Clin Chem** 1981 Oct;27(10):1770-1

Pocket calculator program: Welch's v statistic. Jederberg WW, et al. **Comput Biol Med** 1981;11(3):167-9

Least squares fitting of the lognormal curve. Hart GA, et al. **Comput Biomed Res** 1981 Jun;14(3):240-7

Confidence intervals for the odds ratio in case-control studies: a calculator program for Cornfield's method. Guess HA. **Comput Programs Biomed** 1982 Feb;14(1):73-6

MATCHER: a program to create and analyze matched sets. MacLaughlin DS. **Comput Programs Biomed** 1982 Apr; 14(2):191-5

A BASIC program package for weighted least squares solutions using a microprocessor with disc memory. Tyson H, et al. **Comput Programs Biomed** 1982 Feb;14(1):77-84

A program to compute power of Fisher test at interim point in a clinical trial. Wesley R, et al. **Comput Programs Biomed** 1982 Feb;14(1):67-72

Analysis of survival data with nonproportional hazard functions. Stablein DM, et al. **Controlled Clin Trials** 1981 Jun;2(2):149-59

Confidence intervals for postcensal state population estimates. Espenshade TJ, et al. **Demography** 1982 May; 19(2):191-210

The use of mortality time series data to produce hypothetical morbidity distributions and projects mortality trends. Manton KG, et al. **Demography** 1982 May;19(2):223-40

A computer program for estimating LD50 and its confidence limits using modified Behrens-Reed-Muench cumulant method. Thakur AK, et al. **Drug Chem Toxicol** 1981; 4(3):297-305

Modeling of dose-response relationships. Altshuler B. **Environ Health Perspect** 1981 Dec;42:23-7

Statistical limitations in relation to sample size. Land CE. **Environ Health Perspect** 1981 Dec;42:15-21

Calculation of potential bias in the odds ratio illustrated by a study of saccharin use and bladder cancer. Goldsmith DF. **Environ Res** 1982 Apr;27(2):298-306

Nonrandom assignment and the analysis of covariance in aging research. Camp CJ, et al. **Exp Aging Res** 1981 Summer;7(2):169-73

Complementarity of statistics and balance of diseases. Devroede G. **Gastroenterology** 1982 Jul;83(1 Pt 1):142-3

Ratio analysis: use with caution. Finkler SA. **Health Care Manage Rev** 1982 Spring;7(2):65-72

Ascertainment bias for non-twin relatives in twin proband studies. Rice J, et al. **Hum Hered** 1982;32(3):202-7

Gompertz curve in physiology: an application. Verma SS, et al. **Indian J Physiol Pharmacol** 1982 Jan-Mar;26(1):47-53

Dealing with confounding factors. Kaiser DL, et al. **Infect Control** 1981 Nov-Dec;2(6):483-5

Data analysis vs. data examination. Kaiser DL. **Infect Control** 1982 Jan-Feb;3(1):85-6

Biological models and statistical interactions: an example from multistage carcinogenesis. Siemiatycki J, et al. **Int J Epidemiol** 1981 Dec;10(4):383-7

An audit of regional paediatric in-patient practice. Part I--Statistics. Counahan R. **Ir Med J** 1981 Sep;74(9):248-50

Statistical interpretation in podiatry. Block BH, et al. **J Am Podiatry Assoc** 1981 Dec;71(12):671-8

Corrected group prognostic curves and summary statistics. Chang IM, et al. **J Chronic Dis** 1982;35(8):669-74

Maximum attainable discrimination and the utilization of radiologic examinations. Hanley JA, et al. **J Chronic Dis** 1982;35(8):601-11

Grouping and linear regression. Lan KK, et al. **J Chronic Dis** 1982;35(4):245-9

Tables of power for the F-test for comparing two exponential survival distributions. Lesser ML, et al. **J Chronic Dis** 1981; 34(11):533-44

Medical statistics-thinking vs arithmetic. Mainland D. **J Chronic Dis** 1982;35(6):413-7

Adjusted survival curve estimation using covariates. Makuch RW. **J Chronic Dis** 1982;35(6):437-43

Methodology for the assessment of new dichotomous diagnostic tests. Staquet M, et al. **J Chronic Dis** 1981; 34(12):599-610

A comparison of statistical methods for evaluating risk factor changes in community-based studies: an example from the Stanford Three-Community Study. Williams PT, et al. **J Chronic Dis** 1981;34(11):565-71

Statistical considerations in drug trials of peptic ulcer. Elashoff JD. **J Clin Gastroenterol** 1981;3(Suppl 2):135-40

Empirical verification of confidence intervals computed from dental data. Cohen ME, et al. **J Dent Res** 1982 Jun; 61(6):824-7

Confidence intervals for percentage reduction in caries increments. Wallenstein S, et al. **J Dent Res** 1982 Jun; 61(6):828-30

Nonparametric analysis of response curves. Krauth J. **J Neurosci Methods** 1980 Jun;2(3):239-52

Comparison of interlaboratory survey date in terms of receiver operating characteristic (ROC) indices. Hermann GA, et al. **J Nucl Med** 1982 Jun;23(6):525-31

Statistical methods in parenteral drug research. I. Basic concepts. Porter WR. **J Parenter Sci Technol** 1981 Nov-Dec;35(6):293-301

Bayes' theorem in ophthalmologic computer diagnosis. Leveille AS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar-Apr;19(2):94-6

Official statistics and women's health [editorial] **J R Coll Gen Pract** 1981 Aug;31(229):451-2

Using meta analysis in health education research. Iverson BK, et al. **J Sch Health** 1982 Apr;52(4):234-9

10. Normal values. O'Brien PC, et al. **Mayo Clin Proc** 1981 Oct;56(10):639-40

Statistics for clinicians. 11. Survivorship studies. O'Brien PC, et al. **Mayo Clin Proc** 1981 Nov;56(11):709-11

Statistics for clinicians. 12. Sequential methods. O'Brien PC, et al. **Mayo Clin Proc** 1981 Dec;56(12):753-4

A statistical system on a desk-top computer for evaluation of methods and clinical research. Persson T, et al. **Med Inf (Lond)** 1982 Jan-Mar;7(1):68-70

Statistical variability of biomedical data: part 2. The influence of serial correlations on power estimates, and on comparative testing of samples. Sayers BM, et al. **Med Inf (Lond)** 1981 Jul-Sep;6(3):207-20

Statistical sampling strategies for averaging purposes in serially correlated biomedical data. Sayers BM, et al. **Med Inf (Lond)** 1981 Oct-Dec;6(4):271-8

Statistics and medical practice [editorial] Lancaster HO. **Med J Aust** 1982 May 1;1(9):366

Comments on the logistic function in ROC analysis: applications to breast cancer detection. Goin JE, et al. **Methods Inf Med** 1982 Jan;21(1):26-30

Exploratory data analysis and clinical research. Victor N. **Methods Inf Med** 1982 Apr;21(2):53-4

Between never and always [letter] Kenney RM. **N Engl J Med** 1981 Oct 29;305(18):1097-8

A slip of the chip [letter] Stagg D, et al. **N Engl J Med** 1982 Feb 18;306(7):434

Six statistical suggestions for surgeons. Haines SJ. **Neurosurgery** 1981 Oct;9(4):414-8

Choosing and using a statistical consultant Jackson NE. **Nurs Res** 1982 Jul-Aug;31(4):248-50

What's the difference? Pediatric residents and their inaccurate concepts regarding statistics. Friedman SB, et al. **Pediatrics** 1981 Nov;68(5):644-6

The logistic analysis of categorical data from dental and oral experiments. Wallenstein S, et al. **Pharmacol Ther Dent** 1981;6(3-4):65-78

Choice of statistics [letter] Merrifield HH. **Phys Ther** 1982 Aug;62(8):1177-8

Interpreting results of single-subject research designs.

Wolery M, et al. **Phys Ther** 1982 Apr;62(4):445–52
The logistic curve for the fitting of sigmoidal data. Cerny LC, et al. **Physiol Chem Phys** 1981;13(3):221–30
Some thoughts on prospective randomized significance [letter] Constantian MB. **Plast Reconstr Surg** 1982 Aug; 70(2):272–3
Statistical power in biological psychiatry. Rothpearl AB, et al. **Psychiatry Res** 1981 Dec;5(3):257–66
Statistical tests in experimental psychiatric research. Hand DJ. **Psychol Med** 1982 May;12(2):415–21
Fallacy of the distribution of alcohol consumption. Duffy JC. **Psychol Rep** 1982 Feb;50(1):125–6
Parametric statistical analysis of repeated measures experiments. Vitaliano PP. **Psychoneuroendocrinology** 1982; 7(1):3–13
Accelerated life tests and information. Barlow RE. **Radiat Res** 1982 Apr;90(1):90–7
Comments: agreement corrected for chance [letter] Fox RN. **Res Nurs Health** 1982 Mar;5(1):45–6
Issues and approaches to estimating interrater reliability in nursing research. Goodwin LD, et al. **Res Nurs Health** 1981 Sep;4(3):323–37
Multidimensional analysis of pharmacological data. Lewi PJ. **Rev Pure Appl Pharmacol Sci** 1981 Jul–Sep;2(3):229–90
Design options in epidemiologic research. An update. Miettinen O. **Scand J Work Environ Health** 1982;8 Suppl 1:7–14
Statistical contributions to phase II trials in cancer: interpretation, analysis and design. Lee YJ, et al. **Semin Oncol** 1981 Dec;8(4):403–16
[Three methods for the analysis of follow-up data (author's transl)] Hu KZ. **Chung Hua I Hsueh Tsa Chih** 1981 Aug; 61(8):496–9 **(Chi)**
[Empirical formula for calculation of t value (author's transl)] Sun RY, et al. **Chung Hua I Hsueh Tsa Chih** 1981 Jul; 61(7):426–7 **(Chi)**
[Logyank test as a statistical aid to follow-up studies (author's transl)] Qiao SM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):221–4 **(Chi)**
[The cross product difference method: a new statistical analysis of enumeration data (author's transl)] Wang GY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):323–7 **(Chi)**
[Statistical methods for analysing data in follow-up studies (author's transl)] Xie LH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep; 15(5):279–80 **(Chi)**
[3d stage classification in research on health awareness] Adamec C. **Cesk Zdrav** 1981 Nov;29(11):467–77 (Eng. Abstr.) **(Cze)**
[Desk statistics] Andersen B. **Nord Med** 1981 Dec; 96(12):318–20 **(Dan)**
[The inverse method for determination of percentage or probability] Rümke CL, et al. **Ned Tijdschr Geneeskd** 1981 Dec 12;125(50):2044–50 (Eng. Abstr.) **(Dut)**
[Correspondence analysis as a method to verify the linearity of each item of the Zerssen's mood scale BfS–BfS' (author's transl)] von Frenckell R. **Acta Psychiatr Belg** 1980 Nov–Dec;80(6):839–45 **(Fre)**
[Correlation between two variables in a populations truncated with regards to one of them (author's transl)] Massari V, et al. **Rev Epidemiol Sante Publique** 1981;29(4):405–9 (Eng. Abstr.) **(Fre)**
[Some methodological questions about randomizing collective units (author's transl)] Padieu R. **Rev Epidemiol Sante Publique** 1981;29(3):255–68 (Eng. Abstr.) **(Fre)**
[ROBETH: a library for robust statistical procedures] Alfio M. **Soz Praventivmed** 1981 Oct;26(5):288–90 (Eng. Abstr.) **(Fre)**
[Statistics in clinical pharmacology] Schnitker J. **Methods Find Exp Clin Pharmacol** 1981;3 Suppl 1:31S–34S **(Ger)**
[Clinical studies: calculation and comparison of survival curves] Berchtold W. **Schweiz Med Wochenschr** 1981 Jan 24;111(4):128–33 (Eng. Abstr.) **(Ger)**
[Sex Differences in disability and morbidity] Lorenz R, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 1;75(5):207–12 **(Ger)**
[Testing of special contrast (subtests) in 3-dimensional contigency tables to exhaust the sources of certain special information] Enke H. **Z Gesamte Hyg** 1981;27(5):387–94 (Eng. Abstr.) **(Ger)**
[Testing the independence of special incomplete 2-dimensional contingency tables] Enke H. **Z Gesamte Hyg** 1981 Oct;27(10):796–9 (Eng. Abstr.) **(Ger)**
[Biometry, data registration and data processing in rheumatology] Fischer P, et al. **Z Gesamte Inn Med** 1981 Apr 1;36(7):235–41 (Eng. Abstr.) **(Ger)**
[Presentation of multidimensional observed vectors in the form of trigonometric functions, explained by means of an example from internal medicine] Röhl FW, et al. **Z Gesamte Inn Med** 1982 Apr 1;37(7):201–6 (Eng. Abstr.) **(Ger)**
[Epidemiological methods and clinical experimentation] Marubini E. **Recenti Prog Med** 1981 Feb;70(2):197–210 **(Ita)**
[Biostatistical analysis of the erythrocyte sedimentation rate of rheumatic patient. Part II. (author's transl)] Nagatomi I. **Igaku Kenkyu** 1980 Aug;50(6):457–66 (Eng. Abstr.) **(Jpn)**
[Methodology of scientific research (editorial)] Bogacki S. **Klin Oczna** 1981 Jun;83(6):277–8 **(Pol)**
[Statistical support for the optimal sampling volume in morphological studies] Nepomniashchikh LM, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):94–9 **(Rus)**
[Sufficient numerical size of the sample] Plokhinskii NA. **Biol Nauki** 1982;(2):101–5 **(Rus)**
[Methodological problems of health statistics] Notkin EL. **Gig Sanit** 1982 Feb;(2):43–5 **(Rus)**
[New method of using coefficients of relative intensity and obviousness in statistical health studies] Malinskiĭ DM. **Sov Zdravookhr** 1982;(6):17–21 (Eng. Abstr.) **(Rus)**
[Unconventional statistical evaluation of scientific observations and experiments] Mikulecký M. **Bratisl Lek Listy** 1981 Nov;76(5):619–28 **(Slo)**
[Use and abuse of the measures of variation in clinical research (editorial)] Velásquez Jones L, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):5–8 **(Spa)**

EDUCATION

An alternative approach to teaching statistics to dental students. Hutton JG Jr, et al. **J Dent Educ** 1982 Mar; 46(3):147–52

METHODS

Assessing methods–a feel for other things. Gore SM. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):775–7
A program for multiple hypothesis tests. Aickin M. **Comput Biomed Res** 1982 Feb;15(1):1–6
An improved deconvolution technique for the calculation of renal retention functions. Kuruc A, et al. **Comput Biomed Res** 1982 Feb;15(1):46–56
A critique of Bendall's So you passed, Nurse. Hutchings MJ. **J Adv Nurs** 1981 Sep;6(5):405
Determination of n-dimensional reference ellipsoids using patient data. Naus AJ, et al. **J Clin Chem Clin Biochem** 1982 Feb;20(2):75–80
Simultaneous tests of many hypotheses in exploratory research. Grove WM, et al. **J Nerv Ment Dis** 1982 Jan; 170(1):3–8
Numbers of receptor sites from Scatchard graphs: facts and fantasies. Klotz IM. **Science** 1982 Sep 24;217(4566):1247–9
[Recommendations for the application of statistical methods in the comparison of methods of clinical chemical analysis. Report on the workshop conference of the German Society for Clinical Chemistry held on January 22 and 23, 1981 in Hanover (author's transl)] Haeckel R. **J Clin Chem Clin Biochem** 1982 Feb;20(2):107–10 **(Ger)**
[Necessity and possibilities for an improved determination of psychiatric hospital morbidity in East Germany] Nossikow A, et al. **Z Arztl Fortbild (Jena)** 1981 Jul 1; 75(13):584–90 **(Ger)**
[Planning research based on statistical comparison of means] Kornilov SG. **Biull Eksp Biol Med** 1981 Aug;92(8):112–4 **(Rus)**

STATUS DYSRAPHICUS

OCCURRENCE

Abnormal development of the central nervous system. Persaud TV. **Anat Anz** 1981;150(1–2):44–62 (111 ref.)

RADIOGRAPHY

Skeleton changes in patients with spinal dysrhaphism. Sulla I, et al. **Radiol Diagn (Berl)** 1981;22(5):677–81
[Myelography in infants and young children with lumbosacral dysraphism] Braune M, et al. **Rontgenpraxis** 1982 Jun;35(6):221–6 **(Ger)**

STATUS EPILEPTICUS

CHEMICALLY INDUCED

Maprotiline hydrochloride and convulsions: a case report. Schwartz L, et al. **Am J Psychiatry** 1982 Feb;139(2):244–5
Status epilepticus caused by solvent abuse. Allister C, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1156
Increased brain uptake of lidocaine during bicuculline-induced status epilepticus in rats. Simon RP, et al. **Neurology (NY)** 1982 Feb;32(2):196–9

COMPLICATIONS

Status epilepticus with cognitive symptomatology in a patient with partial complex epilepsy. Sacquegna T, et al. **Eur Neurol** 1981;20(4):319–25
Pneumoperitoneum complicating status epilepticus [letter] Richard C, et al. **N Engl J Med** 1981 Dec 31;305(27):1651–2
[Non-surgical pneumoperitoneum complicating status epilepticus. Two cases (author's transl)] Richard C, et al. **Nouv Presse Med** 1982 Jun 26;11(30):2285–7 (Eng. Abstr.) **(Fre)**
[Acquired aphasia in epileptic children—four cases with electrical infraclinic status epilepticus during sleep (author's transl)] Billard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):457–67 (Eng. Abstr.) **(Fre)**
[Syndrome of disseminated intravascular coagulation in the pathogenesis of vasculo-hypoxic encephalopathy in status epilepticus] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):828–30 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Neonatal status epilepticus of unknown etiology (author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec; 11(3–4):385–9 (Eng. Abstr.) **(Fre)**

DIET THERAPY

Diet induced ketosis in epilepsy and anaesthesia. Metabolic changes in three patients on a ketogenic diet. Hinton W, et al. **Anaesthesia** 1982 Jan;37(1):39–42

DRUG THERAPY

Paraldehyde toxicity during treatment of status epilepticus. Bostrom B. **Am J Dis Child** 1982 May;136(5):414–5
Comparative trial of intravenous lorazepam and clonazepam im status epilepticus. Sorel L, et al. **Clin Ther** 1981; 4(4):326–36
Therapy of status epilepticus. Browne TR. **Compr Ther** 1982 May;8(5):28–36
Rectal diazepam in the treatment of absence status: a pharmacodynamic study. Milligan N, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):914–7
Current concepts in neurology: management of status epilepticus. Delgado-Escueta AV, et al. **N Engl J Med** 1982 Jun 3;306(22):1337–40
[Clinical experiences in treating status epilepticus (author's transl)] Hu ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):145–7 **(Chi)**

ETIOLOGY

Secondary hyperparathyroidism manifesting as acute pancreatitis and status epilepticus. Sallman A, et al. **Arch Intern Med** 1981 Oct;141(11):1549–50
A clinical study of 100 status epilepticus cases. Zhang ZX, et al. **Chin Med J [Engl]** 1982 Feb;95(2):113–20
Powdered goat's milk: pyridoxine deficiency and status epilepticus. Johnson GM. **Clin Pediatr (Phila)** 1982 Aug; 21(8):494–5
[A case of chronic renal failure with status epilepticus and visual disturbance (author's transl)] Takeda K, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1142–7 **(Jpn)**

METABOLISM

Intracellular sites of early calcium accumulation in the rat hippocampus during status epilepticus. Griffiths T, et al. **Neurosci Lett** 1982 Jun 30;30(3):329–34

PHYSIOPATHOLOGY

Electroclinical features of kainic acid-induced status epilepticus in freely moving cats. Microinjection into the dorsal hippocampus. Tanaka T, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):288–300
Elevated pulmonary lymph flow and protein content during status epilepticus in sheep. Simon RP, et al. **J Appl Physiol** 1982 Jan;52(1):91–5
[Clinical analysis on 100 cases of status epilepticus (author's transl)] Zhang ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Aug; 14(3):139–44 **(Chi)**

THERAPY

Current treatment of status epilepticus. Morris HH 3d. **J Fam Pract** 1981 Dec;13(7):987–91

STEALING see **THEFT**

STEAM

A note on the simple device for steaming laboratory glassware. Bharucha KH. **Indian J Pathol Microbiol** 1981 Apr;24(2):i–iii
Steam sterilization of rubber closures in sealed nylon bags. Butler LD, et al. **J Parenter Sci Technol** 1982 May–Jun; 36(3):99–101
Steam-in-place sterilization of cartridge filters in-line with a receiving tank. Myers T, et al. **J Parenter Sci Technol** 1982 May–Jun;36(3):108–12

STEARATES see under **STEARIC ACIDS**

STEARIC ACIDS

Use of fluorescent probes in the study of phospholipid–-sterol bilayers. Wharton SA, et al. **Biochem J** 1980 Dec 1; 191(3):785–90
Interaction of tablet disintegrants and magnesium stearate during mixing I: Effect on tablet disintegration. Bolhuis GK, et al. **J Pharm Sci** 1981 Dec;70(12):1328–30

ANALYSIS

Use of selected ion monitoring for detection of tuberculostearic and C32 mycocerosic acid in mycobacteria and in five-day-old cultures of sputum specimens from patients with pulmonary tuberculosis. Larsson L, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):245–51

DIAGNOSTIC USE

Metabolism of fatty acid-labeled cerebroside sulfate in cultured cells from controls and metachromatic leukodystrophy patients. Use in the prenatal identification of a false positive fetus. Kudoh T, et al. **J Lab Clin Med** 1981 Nov;98(5):704–14

METABOLISM

Adrenal and hepatic calcium stearate crystal deposits in dogs fed a thiamine-deficient diet. Pritzker KP, et al. **Am J Vet Res** 1982 Aug;43(8):1481–8

Increase in the saturation of C18 fatty acids induced by coxsackie B6 virus in Vero cells. Nozawa CM, et al. **Virology** 1982 Jul 15;120(1):247–50

[Adult-type respiratory distress syndrome in children. Course of the palmitic acid/stearic acid ratio in tracheal aspirations (letter)] Teyssier G, et al. **Nouv Presse Med** 1981 Oct 3; 10(35):2906 **(Fre)**

PHARMACODYNAMICS

Hydroxystearates as inhibitors of palmitate hydroxylation catalyzed by the cytochrome P-450 monooxygenase from Bacillus megaterium. Matson RS, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):531–5

Hypoglycaemic effect of oral insulin preparations containing Brij 35, 52, 58 or 92 and stearic acid. Mesiha MS, et al. **J Pharm Pharmacol** 1981 Nov;33(11):733–4

[Effect of bile, ethanol and stearic acid upon the stability of canine pancreatic zymogen granules in vitro (author's transl)] Munita G, et al. **Rev Med Chil** 1981 Sep; 109(9):825–9 (Eng. Abstr.) **(Spa)**

STEARYL-COA DESATURASE see under **FATTY ACID DESATURASES**

STEATITIS

ETIOLOGY

Steatitis in fattening pigs. Kirby PS. **Vet Rec** 1981 Oct 24; 109(17):385

VETERINARY

Steatitis in two donkey foals [letter] Vanselow BA, et al. **Aust Vet J** 1981 Jun;57(6):304

STEATORRHEA see **CELIAC DISEASE**

STEEL see under **ALLOYS**

STEIN-LEVENTHAL SYNDROME

Polycystic ovarian disease. Spellacy WN. **Fertil Steril** 1981 Sep;36(3):306–7

BLOOD

Effect of a dopaminergic drug on LH, FSH and prolactin levels in PCO syndrome. Venturini PL, et al. **Acta Eur Fertil** 1981 Sep;12(3):295–7

Enhanced disparity of gonadotropin secretion by estrone in women with polycystic ovarian disease. Chang RJ, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):490–4

Circulating levels of plasma adrenocorticotropin in polycystic ovary disease. Chang RJ, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1265–7

[Blood levels of FSH, LH and hPrl in subjects with the polycystic ovary syndrome] Ragucci N, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):319–34 **(Ita)**

[Cholesterol of high density lipoproteins in young women with physiologically and pathologically reduced urinary excretion of estrogens] Barats SS, et al. **Ter Arkh** 1982; 54(5):39–43 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Ovarian hyperstimulation syndrome caused by clomiphene citrate. Holtz G, et al. **South Med J** 1982 Mar;75(3):368–9

COMPLICATIONS

Reversal of persistent anovulation in polycystic ovarian disease by administration of chronic low-dose follicle-stimulating hormone. Kamrava MM, et al. **Fertil Steril** 1982 Apr;37(4):520–3

Stein-Leventhal syndrome complicated by endometrial carcinoma: a case report. McGoldrick IA. **Papua New Guinea Med J** 1981 Sep;24(3):195–7

[The succession of precocious puberty and Stein-Leventhal syndrome] Petrus M, et al. **Helv Paediatr Acta** 1982 May; 37(2):171–6 (Eng. Abstr.) **(Fre)**

[Oncological aspects of polycystic ovary syndrome] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):19–21 (Eng. Abstr.) **(Rus)**

[Polycystic ovary syndrome and precancerous conditions of the endometrium] Serov VN, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):24–7 (Eng. Abstr.) **(Rus)**

[Bronchospasm in ovarian polycystosis] Kolesnik VV, et al. **Klin Med (Mosk)** 1980 Jul;58(7):116–7 **(Rus)**

DIAGNOSIS

Hyperprolactinaemia in polycystic ovary syndrome. Lunde O. **Ann Chir Gynaecol** 1981;70(4):197–201

Late-onset 21-hydroxylase deficiency mimicking idiopathic hirsutism or polycystic ovarian disease. Chrousos GP, et al. **Ann Intern Med** 1982 Feb;96(2):143–8

The role of ultrasound in the study of polycystic ovarian disease. Parisi L, et al. **JCU** 1982 Apr;10(4):167–72

[The Stein-Leventhal syndrome. Clinical, biological and anatomic study of 6 cases in adolescent girls (author's transl)] Petrus M, et al. **Arch Fr Pediatr** 1981 Jun-Jul; 38(6):417–22 (Eng. Abstr.) **(Fre)**

[The applicability of LH and FSH determination to the diagnosis of Stein-Leventhal syndrome] Zeníšek L, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:146–8 **(Ger)**

[Ultrasonography in the diagnosis of polycystic ovary syndrome] Malinowski JE, et al. **Ginekol Pol** 1981 Nov–Dec;52(11–12):1035–41 (Eng. Abstr.) **(Pol)**

[Several controversial aspects of polycystic ovary syndrome] Kheifets SN. **Akush Ginekol (Mosk)** 1982 Feb;(2):16–8 (Eng. Abstr.) **(Rus)**

[Possible ways of resolving the discussion aspects of the problem of the sclerocystic ovary syndrome] Vikhliaeva EM. **Akush Ginekol (Mosk)** 1981 Jul;(7):58–61 **(Rus)**

DRUG THERAPY

Cyproterone acetate treatment of females with hyperandrogenism. Julesz J, et al. **Endokrinologie** 1981 Dec; 78(2–3):168–74

Structural and functional regression of polycystic ovaries by danazol. Raj SG, et al. **Fertil Steril** 1981 Sep;36(3):392–5

Long term effects of nightly dexamethasone administration in patients with polycystic ovarian disease. Lachelin GC, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):768–73

Dopamine agonists for polycystic ovary disease? [news] González ER. **JAMA** 1982 Aug 6;248(5):514

Normalization of testosterone levels using a low estrogen-containing oral contraceptive in women with polycystic ovary syndrome. Raj SG, et al. **Obstet Gynecol** 1982 Jul;60(1):15–9

ETIOLOGY

[Role of hormonal disorders in the etiology of polycystic ovary syndrome (Stein–Leventhal syndrome)] Baranowska B, et al. **Endokrynol Pol** 1981 May–Jun;32(3):227–38 (Eng. Abstr.) **(Pol)**

[Polycystic ovary syndrome] Jewelewicz R, et al. **Ginekol Pol** 1981 Nov–Dec;52(11–12):954–67 **(Pol)**

[Pathogenesis of polycystic ovary syndrome] Koreneva GP, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):21–3 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Stein–Leventhal syndrome associated with cumulative familial schizophrenia (folie à cinq)] Pethö B, et al. **Orv Hetil** 1981 Nov 29;122(48):2965–6 **(Hun)**

METABOLISM

Effect of androgen excess on inappropriate gonadotropin secretion as found in the polycystic ovary syndrome. Lobo RA, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):394–401

Salivary testosterone: relationship to unbound plasma testosterone in normal and hyperandrogenic women. Baxendale PM, et al. **Clin Endocrinol (Oxf)** 1982 Jun; 16(6):595–603

Steroidogenesis of cultured granulosa cells from normal and polycystic ovaries: differences in responsiveness to luteinizing hormone and follicle-stimulating hormone. Yoshimura Y, et al. **Endocrinol Jpn** 1981 Dec;28(6):697–707

[Immunocytochemical studies of the ovaries in androgenized women (polycystic ovaries, hyperthecosis)] Pickartz H, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:101–5 **(Ger)**

[Studies on steroidogenesis of isolated granulosa cells and thecal tissue in tissue culture--with special reference to polycystic ovary syndrome (author's transl)] Yoshimura Y. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1005–14 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Polynuclear oocytes and polyovular follicles [letter] Shettles LB. **Fertil Steril** 1981 Oct;36(4):539

Surface ultrastructure of functional and nonfunctional human ovaries. Hafez ES, et al. **Int J Fertil** 1980;25(2):94–9

Thecosis. Fienberg R. **Pathol Annu** 1981;16(Pt 2):239–71 (89 ref.)

[Polycystic ovary syndrome with unilateral fibroma] Bakurdzhiev D, et al. **Akush Ginekol (Sofiia)** 1982; 21(1):88–9 **(Bul)**

[Histological picture of the ovaries in Stein–Leventhal syndrome and the possibility of pregnancy] Pietrusiewicz W, et al. **Ginekol Pol** 1982 Jan–Feb;53(1–2):49–54 (Eng. Abstr.) **(Pol)**

[Controversial and unclear aspects of terminology, morphology, diagnosis, and treatment of polycystic ovary syndrome] Zheleznov BI. **Akush Ginekol (Mosk)** 1982 Feb; (2):10–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Polycystic ovaries. Katz M. **Clin Obstet Gynaecol** 1981 Dec; 8(3):715–31

[Androgen function in patients with polycystic ovary syndrome] Dobrotina AF, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):30–2 (Eng. Abstr.) **(Rus)**

[Effect of iatrogenic pseudopregnancy on various hormone levels in the polycystic ovary syndrome. Differences between patients with or without galactorrhea] Reid I, et al. **Rev Chil Obstet Ginecol** 1979;44(6):270–9 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Diagnostic efficacy of x-ray examination in young women with polycystic ovary syndrome] Moiseeva EN, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):27–30 (Eng. Abstr.) **(Rus)**

SURGERY

Hormonal contributions to the recruitment of follicular development following ovarian wedge resection in polycystic ovary syndrome. Araki S, et al. **Endocrinol Jpn** 1982 Feb;29(1):57–68

Fertility following bilateral ovarian wedge resection: a critical analysis of 90 consecutive cases of the polycystic ovary syndrome. Adashi EY, et al. **Fertil Steril** 1981 Sep; 36(3):320–5

[Technique of transvaginal operation of Stein–Leventhal–syndrome (author's transl)] Weise W, et al. **Zentralbl Gynakol** 1981;103(15):888–92 (Eng. Abstr.) **(Ger)**

[Pregnancy outcome following surgical treatment of Stein–Leventhal] Pietrusiewicz W. **Ginekol Pol** 1981 Nov–Dec;52(11–12):985–92 (Eng. Abstr.) **(Pol)**

STELLATE GANGLION

The long QT syndrome; effects of drugs and left stellate ganglion block. Milne JR, et al. **Am Heart J** 1982 Aug; 104(2 Pt 1):194–8

Pneumochylothorax: a rare complication of stellate ganglion block. Thompson KJ, et al. **Anesthesiology** 1981 Nov; 55(5):589–91

Stellate block for trigeminal zoster. Olson ER, et al. **J Clin Neuro Ophthalmol** 1981 Mar;1(1):53–5

Sympathetic ganglion block therapy for herpes zoster. Toyama N. **J Dermatol (Tokyo)** 1982 Feb;9(1):59–62

[Costoclavicular pseudo-angina] Ratte JM, et al. **Union Med Can** 1981 Aug;110(8):701–3 (Eng. Abstr.) **(Fre)**

[A case of reflex sympathetic dystrophy successfully treated with stellate ganglion blocks (author's transl)] Tsukada S, et al. **Masui** 1981 Feb;30(2):189–92 (Eng. Abstr.) **(Jpn)**

ANALYSIS

5-S-Cysteinyldopa in ganglion stellatum. Fehling C, et al. **J Neural Transm** 1981;52(3):251–7

ANATOMY & HISTOLOGY

The relations of the superior pole of the stellate ganglion to the vertebral artery. Katritsis ED, et al. **Anat Anz** 1981; 150(3):259–63

The distribution of the sympathetic preganglionic neurons projecting onto the stellate ganglion of the guinea pig. A horseradish peroxidase study. Dalsgaard CJ, et al. **J Auton Nerv Syst** 1981 Nov;4(4):327–37

DRUG EFFECTS

Regional coronary vasoconstriction in response to stimulation of stellate ganglia. Rinkema LE, et al. **Am J Physiol** 1982 Sep;243(3):H410–5

[Stellatum blockade and long-QT syndrome (author's transl)] Theisen K. **Klin Wochenschr** 1981 Oct 15;59(20):1175 **(Ger)**

METABOLISM

[RNA content in the structures of the autonomic nervous system of rabbits during acute emotional stress] Gorbunova AV, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):29–31 **(Rus)**

PHYSIOLOGY

Left stellectomy and denervation supersensitivity in conscious dogs. Schwartz PJ, et al. **Am J Cardiol** 1982 Apr 1;49(5):1185–90

Peripheral neural input to neurons of the stellate ganglion in dog. Bosnjak ZJ, et al. **Am J Physiol** 1982 Mar; 242(3):R237–43

Intracellular recordings from the stellate ganglion of the cat. Bosnjak ZJ, et al. **J Physiol (Lond)** 1982 Mar;324:273–83

Transmission by presynaptic spike-like depolarization in the squid giant synapse. Llinás R, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2415–9

Stellate ganglion influence on static compliance and surface layer lipids in cat lungs. Crittenden DJ, et al. **Respir Physiol** 1981 Mar;43(3):233–40

[Effects of unilateral stellate ganglion block on the ST-T segment and QT interval in a group of subjects with normal cardiovascular systems] Morage G, et al.

Boll Soc Ital Cardiol 1980;25(10):1173–8 **(Ita)**
[Effect of electric stimulation of the stellate ganglion and inclusion of the adrenals on catecholamine concentration in the isolated heart] Barinov EF. **Fiziol Zh SSSR** 1981 Oct;67(10):1501–5 (Eng. Abstr.) **(Rus)**
[Effect of adrenergic stimulation of cardiac activity on myocardial consumption of free fatty acids and triglycerides] Gereliuk IP. **Fiziol Zh SSSR** 1981 Jul; 67(7):1035–9 **(Rus)**

SURGERY

Left stellectomy in management of intractable idiopathic chest pain in patient with coronary disease [letter] Levene DL, et al. **Lancet** 1982 Aug 14;2(8294):379

STEPHANURUS DENTATUS INFECTION see under **NEMATODE INFECTIONS**

STEREOGNOSIS

Influence of association value in recognition of random shapes under dichhaptic presentation. Denes G, et al. **Cortex** 1981 Dec;17(4):597–601
Development of hemisphere specialization for tactile recognition in normal children. Hatta T, et al. **Cortex** 1981 Dec;17(4):611–6
Tactile discrimination of direction of lines in relation to hemispheric specialization. Brizzolara D, et al. **Percept Mot Skills** 1982 Apr;54(2):655–60
[Quantitative studies on stereoesthesia (author's transl)] Maurach R, et al. **Fortschr Neurol Psychiatr** 1982 Apr; 50(4):121–6 (Eng. Abstr.) **(Ger)**
[Analysis of the position sense of the limbs in patients with joint prostheses] Surace A. **Chir Organi Mov** 1979 May–Jun;65(3):327–34 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Tactile spatial resolution. I. Two-point discrimination, gap detection, grating resolution, and letter recognition. Johnson KO, et al. **J Neurophysiol** 1981 Dec;46(6):1177–92
Tactile spatial resolution. II. Neural representation of Bars, edges, and gratings in monkey primary afferents. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1192–203
Tactile spatial resolution. III. A continuum mechanics model of skin predicting mechanoreceptor responses to bars, edges, and gratings. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1204–25
[Studies on stereoacuity in normal subjects and anisometropic amblyopes by the stereo-threshold measured with the phase difference haploscope (author's transl)] Sugawara M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):64–70 (Eng. Abstr.) **(Jpn)**

STEREOISOMERS

Immunoassay of racemic drugs: a problem of ena. tioselective antisera and a solution. Cook CE, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):568–73
Optical activity and evolution. Gladyshev GP, et al. **J Theor Biol** 1981 May 21;90(2):191–8
beta Decay and the origins of biological chirality: experimental results. Gidley DW, et al. **Nature** 1982 Jun 24;297(5868):639–43
beta Decay and the origins of biological chirality: theoretical results. Hegstrom RA. **Nature** 1982 Jun 24;297(5868):643–7
A model for the enantiomeric enrichment of polypeptides on the primitive earth. Blair NE, et al. **Orig Life** 1981 Dec; 11(4):331–5
Search for effect of longitudinally polarized protons on optically active amino acid. Lemmon RM, et al. **Orig Life** 1981 Dec;11(4):337–41
Urinary unconjugated 5 alpha-androstane-3 alpha, 17 beta-diol in patients with prostatic tumours. Puah CM, et al. **Urol Res** 1982;10(2):81–4

STEREOTAXIC TECHNICS

see related
BRAIN MAPPING

A new method for utilizing CT data in stereotactic surgery: measurement and transformation technique. Colombo F, et al. **Acta Neurochir (Wien)** 1981;57(3–4):195–203
Stereotactic thalamic lesions studied by CT scanner. Colombo F, et al. **Acta Neurochir (Wien)** 1981; 57(3–4):205–12
Stereotactic biopsy of intracranial space occupying lesions. Edner G. **Acta Neurochir (Wien)** 1981;57(3–4):213–34
Proceedings of the meeting of the American Society for Stereotactic and Functional Neurosurgery. Houston, Tex., June 4–7, 1980. **Appl Neurophysiol** 1980;43(3–5):85–268
Annual Meetings of the Japanese Society for Stereotactic and Functional Neurosurgery. Abstracts. **Appl Neurophysiol** 1980;43(6):325–52
Involuntary movements. Part II of the proceedings of the 8th meeting of the World Society and the 5th meeting of the European Society for Stereotactic and Functional Neurosurgery. Zurich, July 9–11, 1981. **Appl Neurophysiol** 1982;45(3):209–340
Technical advances. Part III of the proceedings of the 8th meeting of the World Society and the 5th meeting of the European Society for Stereotactic and Functional Neurosurgery. Zurich, July 9–11, 1981. **Appl Neurophysiol** 1982;45(4–5):341–548
Long term cognitive effects of stereotactic thalamotomy on non-parkinsonian dyskinetic patients. Blumetti AE, et al. **Appl Neurophysiol** 1980;43(3–5):259–62
DNA distribution in various parts of malignant gliomas assayed on stereotactic biopsies. Boëthius J, et al. **Appl Neurophysiol** 1980;43(3–5):216–21
Stereotactic surgery of abnormal movements: clinical results in 33 cerebral palsy patients. Broggi G, et al. **Appl Neurophysiol** 1982;45(3):306–10
Stereotactic evacuation of intracerebral hematomas. Broseta J, et al. **Appl Neurophysiol** 1982;45(4–5):443–8
Biofeedback: a possible complement to stereotactic and functional neurosurgery. Carmagnani A, et al. **Appl Neurophysiol** 1982;45(4–5):540–2
Percutaneous stereotactic thermocoagulation for trigeminal neuralgia. Choi CR, et al. **Appl Neurophysiol** 1982; 45(4–5):512–5
Three-dimensional processing of a stereotactic brain atlas. Giorgi C, et al. **Appl Neurophysiol** 1982;45(4–5):419–25
Computer-assisted stereotactic surgery. Hardy T, et al. **Appl Neurophysiol** 1982;45(4–5):396–8
A survey of infections in stereotactic surgery. Hood TW, et al. **Appl Neurophysiol** 1981;44(5–6):314–9
Stereotactic neurosurgery in experimental animals. Use of intracerebral landmarks and an atlas of the cat brain. Ilinsky IA, et al. **Appl Neurophysiol** 1980;43(6):269–89
A computerized microstereotactic method to approach, 3-dimensionally reconstruct, remove and adjuvantly treat small CNS lesions. Jacques S, et al. **Appl Neurophysiol** 1980; 43(3–5):176–82
Treatment of hemihyperkinesias by stereotactic operations on basal ganglia. Kandel EI. **Appl Neurophysiol** 1982; 45(3):225–9
A method for stereotactic laser microsurgery in the treatment of deep-seated CNS neoplasms. Kelly PJ, et al. **Appl Neurophysiol** 1980;43(3–5):210–5
Considerations for a CT-directed stereotactic surgical system. Koslow M, et al. **Appl Neurophysiol** 1982; 45(4–5):379–80
An electrode for prolonged stimulation of the brain. Miles J, et al. **Appl Neurophysiol** 1982;45(4–5):449–55
Observation of radiofrequency trigeminal gangliolysis by stereotactic method. Modesti LM, et al. **Appl Neurophysiol** 1982;45(4–5):518–9
Stereotactic VA thalamotomy for the control of focal seizures: experimental and clinical studies. Mori K, et al. **Appl Neurophysiol** 1982;45(4–5):478–83
Stereotactic hypophysectomy for intractable pain secondary to metastatic prostate carcinoma. Moser RP, et al. **Appl Neurophysiol** 1980;43(3–5):145–9
Stereotactic treatment of brain lesions. Biopsy, interstitial radiotherapy (iridium-192 and iodine-125) and drainage procedures. Mundinger F, et al. **Appl Neurophysiol** 1980; 43(3–5):198–204
Postoperative and long-term results after stereotactic operations for action myoclonia in cases of encephalomyelitis disseminata. Mundinger F, et al. **Appl Neurophysiol** 1982;45(3):299–305
CT appearance of thalamic lesions in stereotactic surgery. Murayama Y, et al. **Appl Neurophysiol** 1982; 45(4–5):399–403
Importance of microstereoencephalotomy for tremor alleviation. Narabayashi H, et al. **Appl Neurophysiol** 1980; 43(3–5):222–7
Stereotactic thalamotomy for postapoplectic and posttraumatic involuntary movements. Niizuma H, et al. **Appl Neurophysiol** 1982;45(3):295–8
Stereotactic biopsy in acoustic tumors. Norén G, et al. **Appl Neurophysiol** 1980;43(3–5):189–97
Stereotactic CT scan and its correlation with the neural activity of deep structures. Ohye C, et al. **Appl Neurophysiol** 1980;43(3–5):183–8
Selective limbotomy. Picaza JA, et al. **Appl Neurophysiol** 1982;45(4–5):528–37
Analgesia produced by stimulation of various sites in the human beta-endorphin system. Richardson DE. **Appl Neurophysiol** 1982;45(1–2):116–22
Computerized tomography guided stereotaxis: a new approach. Rosenbaum AE, et al. **Appl Neurophysiol** 1980; 43(3–5):172–3
Multitarget technique in Parkinson surgery. Tóth S, et al. **Appl Neurophysiol** 1980;43(3–5):109–13
Quantitative assessment of stereotactic and functional neurosurgery. Upton AR, et al. **Appl Neurophysiol** 1982; 45(3):281–90
Stereotactic aspiration of deep cerebral abscesses after CT-directed labeling. Walsh PR, et al. **Appl Neurophysiol** 1980;43(3–5):205–9
A method for stereotaxic implantation in neonatal rats. Lithgow T, et al. **Brain Res** 1981 Sep;254(2):315–20
Error sensitivity of computerized tomography guided stereotaxis. Bowyer KW, et al. **Comput Biomed Res** 1982 Jun;15(3):272–80
A method for locating scalp electrodes in spherical coordinates. Ary JP, et al. **IEEE Trans Biomed Eng** 1981 Dec;28(12):834–6
Stereotactic neurosurgery using 3-D image data from computed tomography. Rhodes ML, et al. **J Med Syst** 1982 Feb;6(1):105–19
Stereotaxic rostral mesencephalotomy in treatment of malignant faciothoracobrachial pain syndromes. A survey of 14 treated patients. Frank F, et al. **J Neurosurg** 1982 Jun;56(6):807–11
Stereotaxic device for percutaneous twist-drill insertion of depth electrodes and for brain biopsy. Technical note. Olivier A, et al. **J Neurosurg** 1982 Feb;56(2):307–8
CT control of stereotactic surgery in the diencephalon. Dettori P, et al. **Neuroradiology** 1982;23(2):91–4
Calculation of stereotactic coordinates from the computed tomographic scan. Gildenberg PL, et al. **Neurosurgery** 1982 May;10(5):580–6
A computed tomographic stereotactic adaptation system. Goerss S, et al. **Neurosurgery** 1982 Mar;10(3):375–9
Computer-assisted stereotactic microsurgery for the treatment of intracranial neoplasms. Kelly PJ, et al. **Neurosurgery** 1982 Mar;10(3):324–31
Compute tomography-oriented stereotactic system. Patil AA. **Neurosurgery** 1982 Mar;10(3):370–4
A microstereotactic approach to deep-seated arteriovenous malformations. Kelley PJ, et al. **Surg Neurol** 1982 Apr; 17(4):260–2
[Psychiatric study of behavioral change in compulsive neurotic patients by psychosurgery] Cosyns P. **Verh K Acad Geneeskd Belg** 1981;43(4–5):271–313 (Eng. Abstr.) **(Dut)**
[Development of stereotaxic methods and their applications to the study of brain neoplasms] Pecker J, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):345–51 (Eng. Abstr.) **(Fre)**
[Practical method for the preoperative spatial localisation of small intracranial neoplasms from scanner data (author's transl)] Nguyen JP, et al. **Neurochirurgie** 1980;26(5):333–9 (Eng. Abstr.) **(Fre)**
[The role of stereotaxic biopsy in the therapeutic approach to malignant gliomas (author's transl)] Sedan R, et al. **Neurochirurgie** 1981;27(5):285–6 (Eng. Abstr.) **(Fre)**
[A simple radiological technic for the localisation of foramen of Monro in plain skull x-rays (author's transl)] Siegfried J, et al. **Neurochirurgie** 1980;26(6):387–9 (Eng. Abstr.) **(Fre)**
[Indications and long-term results of stereotactic operations in therapy-resistant epilepsy (author's transl)] Mundinger F, et al. **Arch Psychiatr Nervenkr** 1981;231(1):1–11 (Eng. Abstr.) **(Ger)**
[Aspiration of hypertensive intracerebral hematoma by stereotactic technique (author's transl)] Hayashi M, et al. **No Shinkei Geka** 1981 Nov;9(12):1365–71 (Eng. Abstr.) **(Jpn)**
[Severe motor disturbance syndrome in Wilson's disease successfully treated by a stereotaxic method] Mempel E, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):631–3 **(Pol)**
[Neurophysiologic basis and results of stereotaxic combined surgical treatment of complex forms of epileptic seizures] Chkhenkeli SA. **Zh Nevropatol Psikhiatr** 1982;82(6):91–101 **(Rus)**
[Anterior cerebral commissure as a stereotaxic reference point (morphologic study)] Bedrenskiĭ LA, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):30–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Neglect after right unilateral thalamotomy. A case report. Perani D, et al. **Ital J Neurol Sci** 1982 Mar;3(1):61–4

INSTRUMENTATION

Computed tomography stereotactic head clamp. Patil AA. **Acta Neurochir (Wien)** 1982;60(1–2):125–9
CT-guided stereotaxis using a modified conventional stereotaxic frame. Dubois PJ, et al. **AJNR** 1982 May–Jun; 3(3):345–51
A new approach for direct CT localization in stereotaxis. Barcia-Salorio JL, et al. **Appl Neurophysiol** 1982; 45(4–5):383–6
Direct target point determination for stereotactic brain operations from CT data and the calculation of setting parameters for polar-coordinate stereotactic devices. Birg W, et al. **Appl Neurophysiol** 1982;45(4–5):387–95
CT localization of stereotactic surgery. Boëthius J, et al. **Appl Neurophysiol** 1980;43(3–5):164–9
Stereotactic evacuation of large intracerebral hematoma. Higgins AC, et al. **Appl Neurophysiol** 1980;43(3–5):96–103
Stereotactic evacuation of primary intracerebral hematomas: new instrumentation. Higgins AC, et al. **Appl Neurophysiol** 1982;45(4–5):438–42
Microelectrode recording for the somatotopic placement of stereotactic thalamic lesions in the treatment of parkinsonian and cerebellar intention tremor. Kelly PJ. **Appl Neurophysiol** 1980;43(3–5):262–6
A fully interfaced computerized tomographic-stereotactic surgical system. Koslow M, et al. **Appl Neurophysiol** 1980; 43(3–5):174–5
Progress in developing a CT-compatible adapter for the Leksell stereotach. Law JD, et al. **Appl Neurophysiol** 1982; 45(4–5):381–2
A dedicated CT system for the stereotactic operating room. Lunsford LD. **Appl Neurophysiol** 1982;45(4–5):374–8
Technical and clinical aspects of CT-directed stereotaxis. Roberts TS, et al. **Appl Neurophysiol** 1980;43(3–5):170–1
A stereotactic frame for trigeminal ganglionectomy. Waltregny AJ. **Appl Neurophysiol** 1982;45(4–5):516–7
A stereotaxic headholder for small birds. Bischof HJ.

Brain Res Bull 1981 Oct;7(4):435–6
A stable, multiaxial stereotaxic device for mice. Shipley MT, et al. **Brain Res Bull** 1982 Feb;8(2):233–5
A simple microknife manipulator. Blatteis CM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug;54(2):237–8
Stereotaxic technique for transplantation of neural tissues in the brain of adult rats. Das GD, et al. **Experientia** 1982 Jul 15;38(7):848–51
Stereotaxic reconstruction of the aqueduct of Sylvius. Backlund EO, et al. **J Neurosurg** 1981 Nov;55(5):800–10
Adaptation of a stereotaxic ear bar for neurophysiological studies of the visual system in rodents. Molotchnikoff S, et al. **J Physiol (Paris)** 1981 Sep;77(6–7):803–4
A stereotactic adapter compatible with computed tomography. Cacak RK, et al. **Radiology** 1982 Apr; 143(1):271
[Device for the microtransmission of a stereotactic lead in frontal and sagittal directions] Smirnov VM. **Fiziol Zh SSSR** 1981 Nov;67(11):1748–50 **(Rus)**

STEREOTYPED BEHAVIOR

Effects of a vestibular stimulation program on stereotypic rocking behavior. Bonadonna P. **Am J Occup Ther** 1981 Dec;35(12):775–81
Head nodding associated with idiopathic childhood nystagmus. Gresty M, et al. **Ann NY Acad Sci** 1981; 374:614–8
Treatment of stereotyped toe-walking with overcorrection and physical therapy. Barrett RP, et al. **Appl Res Ment Retard** 1981;2(1):13–21
A comparison of punishment and DRO procedures for treating stereotypic behavior of mentally retarded children. Barrett RP, et al. **Appl Res Ment Retard** 1981;2(3):247–56
Observational analysis of the stereotyped mannerisms of a developmentally delayed infant. MacLean WE Jr, et al. **Appl Res Ment Retard** 1981;2(3):257–62
The headbangers tumour. Sormann GW. **Br J Plast Surg** 1982 Jan;35(1):72–4
Stereotyped behaviours--prevalence, function and management in mental deficiency hospitals. Tierney IR, et al. **Health Bull (Edinb)** 1981 Sep;39(5):320–6
Effects of vestibular stimulation on motor development and stereotyped behavior of developmentally delayed children. MacLean WE Jr, et al. **J Abnorm Child Psychol** 1982 Jun; 10(2):229–45 (39 ref.)
Effects of spaced responding DRL on the stereotyped behavior of profoundly retarded persons. Singh NN, et al. **J Appl Behav Anal** 1981 Winter;14(4):521–6
Treatment of stereotypic cross-gender motor behavior using covert modeling in a boy with gender identity confusion. Hay WM, et al. **J Consult Clin Psychol** 1981 Jun; 49(3):388–94
Naturalistic studies of institutionalised retarded persons: relationship between stereotypic responding, secondary handicaps, and population density. Barton LE, et al. **J Ment Defic Res** 1981 Dec;25 Pt 4:257–64
Research concerning stereotyped behaviors. Implications and suggestions for the management of profoundly mentally retarded individuals. Gerber PJ, et al. **J Rehabil** 1981 Jul–Sep;47(3):68–70
Verbal perseveration in aphasia. Yamadori A. **Neuropsychologia** 1981;19(4):591–4
A simple, inexpensive rotometer for automatically recording the dynamics of circling behavior. Jerussi TP. **Pharmacol Biochem Behav** 1982 Feb;16(2):353–7
Stereotypy in monkeys and humans. Ridley RM, et al. **Psychol Med** 1982 Feb;12(1):61–72 (145 ref.)
Stereotypic and automanipulative behavior of autistic children. Akyürek A, et al. **Psychol Rep** 1982 Feb; 50(1):63–7
[Face averting and stereotypy. 2 behavior modes of stimulation in normal development and in early infantile autism] Lensing PJ. **Prax Kinderpsychol Kinderpsychiatr** 1982 Jan;31(1):25–33 (Eng. Abstr.) **(Ger)**
[Psychological studies of circular stereotyped behavior in schizophrenic process] Watanabe T. **Seishin Shinkeigaku Zasshi** 1981;83(6):333–56 **(Jpn)**
[Possible discrepancy between behavioral adequacy and motor automatisms in cats with phenamine-induced stereotypy] Tolpyshev BA, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):46–8 (Eng. Abstr.) **(Rus)**
[New data on the pathogenesis of the stereotyped behavior syndrome and the development of approaches to its complex specific pathogenetic therapy] Aliev MN. **Vestn Akad Med Nauk SSSR** 1981;(6):60–2 (Eng. Abstr.) **(Rus)**
[Influence of the parents' family on the formation of stereotypic sex behavior in syphilis patients] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1981 May;(5):26–30 (Eng. Abstr.) **(Rus)**
[Relation between sensitivity to methylphenidate and predisposition to catatonia in rats] Kolpakov VG, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1054–62 **(Rus)**

DRUG EFFECTS

Contralateral circling behaviour induced by intranigral injection of morphine and enkephalin analogue FK 33–824 in rats. Kaakkola S. **Acta Pharmacol Toxicol (Copenh)** 1980 Nov;47(5):385–93
The involvement of catecholaminergic mechanisms in the appearance of wet dog shakes produced by carbachol chloride in rats. Turski W, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):204–11
Contraversive circling and facilitation of the perioral biting reflex by injection of substance P or D-Ala2-Met-encephalinamide into the substantia nigra. Welzl H, et al. **Behav Neural Biol** 1982 Jan;34(1):104–8
Repeated administration of sulpiride for three weeks produces behavioural and biochemical evidence for cerebral dopamine receptor supersensitivity. Jenner P, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):325–8
Amphetamine behavioral toxicity: rotational behavior after chronic intrastriatal infusion. Dougherty GG Jr, et al. **Biol Psychiatry** 1981 May;16(5):479–88
Further evidence for selective antagonism of taurine by 6-aminomethyl-3-methyl-4H-1,2,4-benzothiadiazine-1,1-Martin GE, et al. **Brain Res** 1981 Dec 21;229(2):530–5
Study of the neural basis of circling behavior induced by L-dopa in lesioned entopeduncular cats. Pazo JH, et al. **Brain Res** 1982 Feb 11;233(2):337–45
Hypophysectomy induced hypersensitivity to dopamine: antagonism by estrogen. Perry KO, et al. **Brain Res** 1981 Dec 7;226(1–2):211–9
The effects of scopolamine pretreatment on stereotyped behavior induced by apomorphine in rats withdrawn from long-term haloperidol administration. De-Souza H, et al. **Braz J Med Biol Res** 1981 Oct;14(4–5):281–4
Apomorphine-induced stereotypy in mature and senescent rats following cessation of chronic haloperidol treatment. Roffman M, et al. **Commun Psychopharmacol** 1980; 4(4):283–6
Acute and chronic phencyclidine effects on locomotor activity, stereotypy and ataxia in rats. Castellani S, et al. **Eur J Pharmacol** 1981 Jul 17;73(2–3):143–54
The persistence of hyperresponsiveness to apomorphine in rats following REM sleep deprivation and the influence of housing conditions. Dallmeier Zelger K, et al. **Eur J Pharmacol** 1982 May 7;80(1):99–104
Opposed stages of continuous amphetamine administration: parallel alterations in motor stereotypies and in vivo spiroperidol accumulation. Ellison G, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):207–14
Behavioural evidence for supersensitivity of postsynaptic dopamine receptors in the mesolimbic system after chronic administration of desipramine. Spyraki C, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):195–206
A comparison of the effects of neuroleptics on phencyclidine-induced behaviors in the rat. Sturgeon RD, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):37–53
Snout contact fixation, climbing and gnawing during apomorphine stereotypy in rats from two substrains. Szechtman H, et al. **Eur J Pharmacol** 1982 Jun 4; 80(4):385–92
The influence of alkali metal chlorides on environmentally-linked behavioural stereotypies in the rat. Johnson FN. **Int J Neurosci** 1981;13(4):199–204
Stereotyped responses of rats to two 2-halogenoergolines: 2-bromo-alpha-ergocryptine and lergotrile. Bergmann F. **Isr J Med Sci** 1982 Jan;18(1):177–82
Regional blockade by neuroleptic drugs of in vivo 3H-spiperone binding in the rat brain. Relation to blockade of apomorphine induced hyperactivity and stereotypies. Köhler C, et al. **J Neural Transm** 1981;52(3):163–73
Effects of microinjection of 2-chloro-11 (2-dimethylaminoethoxy)-dibenzo[b,f]-thiepine (zotepine), thioridazine and haloperidol into the striatum and nucleus accumbens on stereotypic behaviour and motor activity. Lai H, et al. **J Pharm Pharmacol** 1981 Apr;33(4):252–4
Convenient synthesis of 6-nor-9,10-dihydrolysergic acid methyl ester. Crider AM, et al. **J Pharm Sci** 1981 Dec; 70(12):1319–21
Apomorphine: bioavailability and effect on stereotyped cage climbing in mice. Smith RV, et al. **J Pharm Sci** 1981 Oct; 70(10):1144–7
The chronic effect of nomifensine on rat stereotyped behavior. Muto K, et al. **Kurume Med J** 1981;28(2):173–5
Evidence of serotonin-dopamine involvement in the inhibition of d-amphetamine stereotypy and appearance of stereotyped movements found respectively after acute and long-term treatment with morphine and methadone in rats. Cervo L, et al. **Life Sci** 1981 Dec 21;29(25):2585–91
Suppression of apomorphine-induced oral stereotypy in rats by microinjection of muscimol into midbrain. Dean P, et al. **Life Sci** 1982 Jun 21;30(25):2171–9
Modification of morphine-induced changes in striatal (3H)-spiroperidol binding and stereotype-behavior by cyclo(Leu-Gly). Ritzmann RF, et al. **Life Sci** 1982 May 3;30(18):1573–80
Role of globus pallidus GABA and opiate receptors in apomorphine circling in nigro-striatal lesioned rats. Slater P. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):43–7
Long-term suppression of central serotonergic activity by corticosteroids: a possible model of steroid-responsive myoclonic disorders. Nausieda PA, et al. **Neurology (NY)** 1982 Jul;32(7):772–5
3-o-methyldopa inhibits rotations induced by levodopa in rats after unilateral destruction of the nigrostriatal pathway. Reches A, et al. **Neurology (NY)** 1982 Aug;32(8):887–8
Further evidence for a GABA-like action on kojic amine. Martin GE, et al. **Neurosci Lett** 1981 Nov 18;27(1):37–40
Stereotyped behavior elicited by amphetamine in the rat: influences of the testes. Beatty WW, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):565–8
The effect of drugs altering striatal dopamine levels on apomorphine induced stereotypy. Feigenbaum JJ, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):235–40
Amphetamine and apomorphine induced stereotyped behavior in adult pigeons. Goodman IJ. **Pharmacol Biochem Behav** 1981 Nov;15(5):701–4
Potentiation by deprenil of 1-dopa induced circling in nigral-lesioned rats. Heikkila RE, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):75–9
Serotonin-induced gnawing in rats: comparison with tail pinch-induced gnawing. Larson AA, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):407–9
Rapid decline of stereotyped behavior in rats during constant one week administration of amphetamine via implanted ALZET osmotic minipumps. Nielsen EB. **Pharmacol Biochem Behav** 1981 Aug;15(2):161–5
Distinctions between stereotyped sniffing and licking in rats with methamphetamine and apomorphine. Schulz EM, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):521–3
Do cholinomimetics specifically antagonize rotational behavior? Westermann KH. **Pharmacol Biochem Behav** 1981 Nov;15(5):687–90
Propranolol antagonizes phencyclidine-induced hyperactivity and stereotypy in rats. Consroe P, et al. **Pharmacology** 1982 Feb;24(2):96–104
Induction of wet dog shakes by intracerebroventricular bethanechol in rats. Antagonism by neurotransmitter receptor blockers. Turski L, et al. **Pharmacology** 1982 Feb; 24(2):105–10
The locomotor and stereotype response to dopaminergic drugs and caffeine after intracerebroventricular kainic acid in rats. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1981 Mar-Apr;33(2):149–59
Failure of apomorphine to induce dopaminergic hypersensitivity: a replication. Flemenbaum A. **Prog Clin Biol Res** 1981;68:143–9
Delirium and stereotypy from anticholinergic antiparkinson drugs. Kulik AV, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(1):75–82
Chronic treatments with zotepine, thioridazine, and haloperidol affect apomorphine-elicited stereotypic behavior and striatal 3H-spiroperidol binding sites in the rat. Lai H, et al. **Psychopharmacology (Berlin)** 1981; 75(4):388–90
Antagonism of hypothermia and behavioral response to apomorphine: a simple, rapid and discriminating test for screening antidepressants and neuroleptics. Puech AJ, et al. **Psychopharmacology (Berlin)** 1981;75(1):84–91
Gnawing and changes in reactivity produced by microinjections of picrotoxin into the superior colliculus of rats. Redgrave P, et al. **Psychopharmacology (Berlin)** 1981;75(2):198–203
Perseverative behaviour after amphetamine; dissociation of response tendency from reward association. Ridley RM, et al. **Psychopharmacology (Berlin)** 1981;75(3):283–6
Phencyclidine-induced stereotype in rats: effects of methadone, apomorphine, and naloxone. Verebey K, et al. **Psychopharmacology (Berlin)** 1981;75(1):44–7
Age difference in apomorphine-induced stereotypy in rats: relationship to plasma and brain concentrations. Watanabe H, et al. **Psychopharmacology (Berlin)** 1982;76(1):57–61
Behavioural changes during withdrawal from desmethylimipramine (DMI). I. Interactions with amphetamine. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):54–9
[Stereotypy and akinesia after cimetidine in a cirrhotic patient with a portacaval anastomosis (letter)] Bel A, et al. **Nouv Presse Med** 1982 Jul 10–17;11(32):2418–9 **(Fre)**
[Tiapride and verbal or motor stereotypies (author's transl)] Morel-Maroger A. **Sem Hop Paris** 1981 Apr 18–25; 57(15–16):825–9 (Eng. Abstr.) **(Fre)**
[Effect of alpha-methyl-para-tyrosine on 'methamphetamine-induced sterotype and hypermotility' of reserpinized rats (author's transl)] Nakajima H, et al. **Nippon Yakurigaku Zasshi** 1981 Dec;78(6):557–69 (Eng. Abstr.) **(Jpn)**
[Effect of phenamine and haloperidol on stereotyped behavior in response to electric stimulation of the substantia nigra in cats] Arushanian EB, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):444–7 (Eng. Abstr.) **(Rus)**
[Effect of amizil and galantamin on the behavioral effects of apomorphine in rats] Bandman AL, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):566–9 (Eng. Abstr.) **(Rus)**
[Comparison of cleboprid, domperidone, metopimazine, and trimebutine as antiemetics and inducers of gastrointestinal peristalsis] Berga P, et al. **Arch Farmacol Toxicol** 1981 Apr; 7(1):189–92 **(Spa)**
[Effect of N-(4-picolyl)-3,5 dimethylbenzamide (M-14012-4) on stereotyped behavior induced by apomorphine and amphetamine in the rat and mouse] Casais PL, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):65–72 **(Spa)**

PHYSIOLOGY

Removal of the telencephalon spares turning induced by injection of GABA agonists and antagonists into the substantia nigra. Papadopoulos G, et al. **Behav Brain Res** 1980 Feb;1(1):25–38

A family of genes that codes for ELH, a neuropeptide eliciting a stereotyped pattern of behavior in Aplysia. Scheller RH, et al. **Cell** 1982 Apr;28(4):707–19

The methylphenidate-induced stereotypy in the awake rat: local cerebral metabolism. Bell RD, et al. **Neurology (NY)** 1982 Apr;32(4):377–81

Effects of ovariectomy, castration, and chronic lithium chloride treatment on stereotyped behavior in rats. Verimer T, et al. **Psychopharmacology (Berlin)** 1981;75(3):273–6

[Lateralization of dynamic stereotypy in animals] Biankin VL, et al. **Dokl Akad Nauk SSSR** 1981;259(4):1003–5 **(Rus)**

[Effect of stimulation and destruction of the substantia nigra on phenamine- and apomorphine-induced stereotypy in cats] Tolpyshev BA, et al. **Farmakol Toksikol** 1981 Sep-Oct;44(5):550–4 (Eng. Abstr.) **(Rus)**

[Stereotypical behavior developing after electric stimulation of the substantia nigra in cats] Arushanian EB, et al. **Zh Vyssh Nerv Deiat** 1981 Jul-Aug;31(4):711–8 (Eng. Abstr.) **(Rus)**

STEREOTYPING

Development of school-age children's stereotypic attitudes toward mentally retarded children. Gottlieb J, et al. **Am J Ment Defic** 1982 May;86(6):596–600

A method for monitoring the impact of sex-role stereotypes on the therapeutic behavior of beginning psychotherapists. Yogev S, et al. **Am J Orthopsychiatry** 1982 Jul;52(3):545–8

Stereotypes, stepmothers, and splitting. Radomisli M. **Am J Psychoanal** 1981 Summer;41(2):121–7

Therapeutic approaches to changing masculine role behavior. Solomon K. **Am J Psychoanal** 1981 Spring;41(1):31–8

Let's take the bedpan out of the public's image of nursing. Grosser LR. **AORN J** 1981 Oct;34(4):589–94

Medical stereotypes. Harris CM. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1676–7

Effects of the label 'institutionalized' vs. 'regular school student' on teacher expectations. Schloss P, et al. **Except Child** 1982 Jan;48(4):363–4

The status of the empirical support for the hypothesis of increased variability in aging populations. Bornstein R, et al. **Gerontologist** 1982 Jun;22(3):258–60

The langu ge of ageism. Nuessel FH Jr. **Gerontologist** 1982 Jun;22(3):273–6

Who is stereotyping whom and why? Schonfield D. **Gerontologist** 1982 Jun;22(3):267–72

Stereotyping as a negative factor in substance abuse treatment. Cohen GH, et al. **Int J Addict** 1982 Feb; 17(2):371–6

An inquiry into the positive personal and social effects of old age stereotypes among the elderly. Kearl MC. **Int J Aging Hum Dev** 1981–82;14(4):277–90

Sex role stereotypes and medical specialty choice. Harris MB, et al. **J Am Med Wom Assoc** 1981 Aug;36(8):245–52

On the dominance of the old-age stereotype. Bassili JN, et al. **J Gerontol** 1981 Nov;36(6):682–8

Sexual orientation stereotypy in the distortion of clinical judgment. Davison GC, et al. **J Homosex** 1981 Spring; 6(3):37–44

Intrapsychic effects of stigma: a process of breakdown and reconstruction of social reality. Fein SB, et al. **J Homosex** 1981 Fall;7(1):3–13

Misrepresentation, liberalism, and heterosexual bias in introductory psychology textbooks. McDonald G. **J Homosex** 1981 Spring;6(3):45–60

Hospital social workers and nurses: interprofessional perceptions and experiences. Williams RA, et al. **JNE** 1982 May;21(5):16–21

Continuing controversy [letter] Gruppo P, et al. **Nurs Outlook** 1981 Nov;29(11):622

Dental hygiene students: stereotypically feminine. Hamby CL. **Psychol Rep** 1982 Jun;50(3 Pt 2):1237–8

Portraying persons with disabilities in print. National Easter Seal Society guidelines. **Rehabil Lit** 1981 Sep-Oct; 42(9-10):284–5

[Stereotypes in the image of dental surgeons] Descamps MA. **Rev Odontostomatol (Paris)** 1981 May-Jun;10(3):207–15 **(Fre)**

STERIGMATOCYSTIN see under **XANTHENES**

STERILITY

Cluster headache in women: evidence of hypofertility(?) Headaches in relation to menstruation and pregnancy. Ekbom K, et al. **Cephalalgia** 1981 Sep;1(3):167–74

Developments in infertility practice. **Clin Obstet Gynaecol** 1981 Dec;8(3):529–790

Scientific papers to be presented at the Thirty-Eighth Annual Meeting of the American Fertility Society. March 20 to 24, 1982, Las Vegas, Nevada. Abstracts. **Fertil Steril** 1982 Feb;37(2 Suppl):291–321

CHEMICALLY INDUCED

[Hypogonadism and alkylating agents (author's transl)] Lecomte P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):597–602 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Psychological problems among patients attending an infertility clinic. Bell JS. **J Psychosom Res** 1981;25(1):1–3

DIAGNOSIS

Proposal for protocol in the diagnosis of sterile couples. Marchetti M, et al. **Clin Exp Obstet Gynecol** 1981; 8(4):175–7

Fertility and infertility statistics: their importance and application. Cooke ID, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):531–48

Patients with unexplained infertility [letter] Blackwell RE. **Fertil Steril** 1982 Aug;38(2):261–2

The subfertile couple. McCusker MP. **JOGN Nurs** 1982 May-Jun;11(3):157–62

[Results of sterility diagnosis (author's transl)] Schlosser H. **Zentralbl Gynakol** 1982;104(6):354–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

The incidence, characteristics, and prognosis of patients whose infertility is unexplained. Templeton AA, et al. **Fertil Steril** 1982 Feb;37(2):175–82

The effect of cancer and its therapy upon fertility. Barber HR. **Int J Fertil** 1981;26(4):250–9 (35 ref.)

Active immunization of rats with cumulus-free mouse ova: induction of infertility and antibody titers. Aitken RJ, et al. **J Exp Zool** 1981 Apr;216(1):149–58

IMMUNOLOGY

Cross-reactivity of sperm and T lymphocyte antigens. Mathur S, et al. **Am J Reprod Immunol** 1981;1(3):113–8

Histocompatibility antigens in pregnancy, abortions, infertility, preeclampsia, and trophoblast neoplasms. Pattillo RA. **Am J Reprod Immunol** 1980;1(1):29–34 (59 ref.)

Corticosteroid therapy in case of immunologic infertility--a preliminary report. Franken DR, et al. **Andrologia** 1982 May-Jun;14(3):256–9

Immunology of infertility. Jones WR. **Clin Obstet Gynaecol** 1981 Dec;8(3):611–39 (80 ref.)

Sperm antibodies and infertility. Ansbacher R. **Fertil Steril** 1981 Oct;36(4):446–7

Sperm antibodies and infertility [letter] Bronson R, et al. **Fertil Steril** 1982 Mar;37(3):449–51

Antisperm antibodies and human infertility. Etribi A, et al. **Fertil Steril** 1982 Feb;37(2):236–9

Antisperm antibodies in infertility: the role of condom therapy [letter] Greentree LB. **Fertil Steril** 1982 Mar; 37(3):451–2

Clinical significance of sperm antibodies in infertility. Mathur S, et al. **Fertil Steril** 1981 Oct;36(4):486–95

Immunological aspects of infertility [letter] Shulman S. **Fertil Steril** 1982 May;37(5):717–8

Primary infertility: correlation between sperm migration test and humoral immunity. Ainmelk Y, et al. **Int J Fertil** 1982; 27(1):52–5

A clinical application of the sperm agglutination test. Srivannaboon S, et al. **J Med Assoc Thai** 1982 Feb; 65(2):79–81

[ABO antigen distribution in couples with immunological sterility] Kopylova MK, et al. **Akush Ginekol (Sofiia)** 1981; 20(5):390–2 **(Bul)**

[Erythrocyte antigen studies in relative sterility due to immunological incompatibility] Kopylova MK, et al. **Akush Ginekol (Sofiia)** 1981;20(5):388–90 **(Bul)**

OCCURRENCE

Infertility trends among U.S. couples: 1965–1976. Mosher WD. **Fam Plann Perspect** 1982 Jan-Feb;14(1):22–7

PHYSIOPATHOLOGY

Infertility: cervical mucus and semen factors. Daunter B. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):247–56

Hormonal factors in fertility, infertility and contraception. Abstracts. **J Steroid Biochem** 1981 Nov;14(11):i–xxvii

PSYCHOLOGY

Pregnancy after reproductive failure. Floyd CC. **Am J Nurs** 1981 Nov;81(11):2050–3

Emotional aspects of infertility. Seibel MM, et al. **Fertil Steril** 1982 Feb;37(2):137–45 (76 ref.)

Psychogenic factors in some genetic and non-genetic forms of infertility. Singh JR, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):119–23

The psychosocial impact of infertility. Menning BE. **Nurs Clin North Am** 1982 Mar;17(1):155–63

THERAPY

Spontaneous abortion incidence in the treatment of infertility. Jansen RP. **Am J Obstet Gynecol** 1982 Jun 15;143(4):451–73 (276 ref.)

Why not a Subfertility Co-operation Card? Froggatt RC. **J R Coll Gen Pract** 1982 May;32(238):316

STERILITY, FEMALE

Human embryo transfer in the treatment of infertility. Lopata A, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):156–8

The program for in vitro fertilization at Norfolk. Jones HW Jr, et al. **Fertil Steril** 1982 Jul;38(1):14–21

Causes and treatment of involuntary childlessness - recent advances. Macnaughton MC. **Proc Annu Symp Eugen Soc** 1981;16:103–20 (32 ref.)

[Spontaneous cure of sterility with unfavorable prognosis in both marriage partners] Knorre P, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):92–3 **(Ger)**

BLOOD

Nocturnal prolactin levels in infertility. Board JA, et al. **Fertil Steril** 1981 Dec;36(6):720–4

Correlation between estradiol and progesterone in cycles with luteal phase deficiency. Goldstein D, et al. **Fertil Steril** 1982 Mar;37(3):348–54

The value of a single serum progesterone measurement in the midluteal phase as a criterion of a potentially fertile cycle ('ovulation') derived form treated and untreated conception cycles. Hull MG, et al. **Fertil Steril** 1982 Mar; 37(3):355–60

Hormonal patterns in infertile women with a deficient postcoital test. Roumen FJ, et al. **Fertil Steril** 1982 Jul; 38(1):42–7

Detection of subclinical abortion in infertile women by beta-hCG radioimmunoassay. Onoue T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1255–8

Clomiphene citrate therapy of infertile women with low luteal phase progesterone levels. Hammond MG, et al. **Obstet Gynecol** 1982 Mar;59(3):275–9

Hyperprolactinemia in subfertile patients — an analysis of twenty-nine cases. Lim C, et al. **Singapore Med J** 1981 Dec;22(6):347–9

[Radioimmunologic control of progesterone in the diagnosis of corpus luteum insufficiency] Seifert B, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:90–4 **(Ger)**

[Radioimmunological method of determining prolactin in human blood plasma. The statistical basis of the method and determination of the hormone content in healthy persons of both sexes and in sterility patients] Andino NA. **Probl Endokrinol (Mosk)** 1982 Jan-Feb;28(1):42–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Superovulatory doses of pregnant mare serum gonadotropin cause delayed implantation and infertility in immature rats. Miller BG, et al. **Biol Reprod** 1981 Sep;25(2):253–60

COMPLICATIONS

Breast cancer incidence in women with a history of progesterone deficiency. Cowan LD, et al. **Am J Epidemiol** 1981 Aug;114(2):209–17

[Periodic arthralgia: teratogenicity of colchicine and its influence on pregnancy and sterility (author's transl)] Ghozlan R, et al. **Ann Med Interne (Paris)** 1981; 132(7):493–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Infertility workup. Friedman BM. **Am J Nurs** 1981 Nov; 81(11):2041–6

Infertility laparoscopy in perspective: review of five hundred cases. Musich JR, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):293–303

Prognostic value of the postcoital test: prospective study based on time-specific conception rates. Hull MG, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):299–305

Is diagnostic curettage harmful in women with unexplained infertility? Taylor PJ, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):296–8

Diagnosing luteal phase inadequacy [editorial] Wentz AC. **Fertil Steril** 1982 Mar;37(3):334–5

Diagnosis and treatment of the cervical factor of infertility. Insler V, et al. **Reproduccion** 1981 Oct-Dec;5(4):295–300

Postcoital tests. Moghissi KS. **Reproduccion** 1981 Oct-Dec; 5(4):281–94 (24 ref.)

Investigation of the infertile couple. Philipp E. **Trans Med Soc Lond** 1980;96:23–6

[Technical problems in the diagnosis of tubal sterility] Uher J, et al. **Cesk Gynekol** 1982 Jun;47(5):374–9 **(Cze)**

[Pregnancy of women with endoscopically detected and untreated sterility. Retrospective analysis of 'false negative' findings (author's transl)] Lürmann K. **Zentralbl Gynakol** 1982;104(6):357–63 (Eng. Abstr.) **(Ger)**

[Comparison of various parameters considered in the various 'scores' of the cervical mucus] Ragni G, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar-Apr;103(2):134–9 (Eng. Abstr.) **(Ita)**

[Changes of the insufflatory findings after hydrotubation therapy in female sterility of tubal origin] Ragni G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul-Aug;102(4):265–9 (Eng. Abstr.) **(Ita)**

[Correlations between semen examination and the post-coital test in the diagnosis of conjugal sterility] Rustichelli S, et al. **Minerva Ginecol** 1981 Jun;33(6):572–4 **(Ita)**

[Role of diagnostic and surgical laparoscopy in treating female sterility] Entin BV, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):19–21 **(Rus)**

[Diagnostic problems of the peritoneal form of sterility] Sharipova MB. **Akush Ginekol (Mosk)** 1982 Apr;(4):14–7 (Eng. Abstr.) **(Rus)**

[Comparison of hysterosalpingographic and laparoscopic findings in tubal factor of sterility (author's transl)] Smiljanic N, et al. **Jugosl Ginekol Opstet** 1981 Dec; 21(5-6):113–6 (Eng. Abstr.) **(Ser)**

[The optimal diagnostic system in gynecologic

endocrinology] Mirković Z. **Med Pregl** 1981;34(1-2):65-70 (Eng. Abstr.) **(Scr)**

[Echohydrotubation, a new method of promoting fertility] Leal G, et al. **Rev Chil Obstet Ginecol** 1979;44(6):317-21 (Eng. Abstr.) **(Spa)**

[Usefulness of the gynecologic laparoscopy in the study of sterility] Rodriguez N, et al. **Rev Chil Obstet Ginecol** 1980; 45(1):25 **(Spa)**

DIET THERAPY

Reproductive failure in women who practice weight control. Bates GW, et al. **Fertil Steril** 1982 Mar;37(3):373-8

DRUG THERAPY

First-dose effects of bromocriptine in hyperprolactinaemic infertility. Biggs JS, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):111-2

A new systematic treatment for infertile women with abnormal hormone profiles. Fleming R, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):80-3

Monitoring gonadotrophin therapy by real-time ultrasonic scanning of ovarian follicles. Sallam HN, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):155-9

Dehydrogesterone versus vaginal progesterone in the treatment of the endometrial luteal phase deficiency. Balasch J, et al. **Fertil Steril** 1982 Jun;37(6):751-4

Spontaneous pregnancy and its outcome after human menopausal gonadotropin/human chorionic gonadotropin-induced pregnancy. Ben-Rafael Z, et al. **Fertil Steril** 1981 Nov;36(5):560-4

Tamoxifen in the treatment of infertility associated with luteal phase deficiency. Fukushima T, et al. **Fertil Steril** 1982 Jun;37(6):755-61

A decade's experience with an individualized clomiphene treatment regimen including its effect on the postcoital test. Gysler M, et al. **Fertil Steril** 1982 Feb;37(2):161-7

Postoperative danazol therapy in infertility patients with severe endometriosis. Wheeler JM, et al. **Fertil Steril** 1981 Oct;36(4):460-3

Combined bromocryptine and hMG treatment in hyperprolactinemic infertility. Katz Z, et al. **Int J Fertil** 1981;26(4):290-2

Discordant anencephalus in a Pergonal-induced triplet pregnancy. Greenberg M, et al. **J Reprod Med** 1981 Nov; 26(11):593-4

Serum prolactin and bromocriptine treatment in female infertility. Selander K, et al. **Reproduccion** 1981 Jul-Sep; 5(3):135-40

[Lisuride in the treatment of sterility and amenorrhoea induced by elevated prolactin levels (author's transl)] Marek J, et al. **Cesk Gynekol** 1981 Sep;46(8):593-600 (Eng. Abstr.) **(Cze)**

[Treatment of the anovulatory cycle] Kohoutek M. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(2):227-34 (Eng. Abstr.) **(Cze)**

[The treatment of certain cases of sterility of infertility associated with an abnormal rise in urinary 17-ketosteroids by using cortisone derivatives (author's transl)] Colette C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):163-9 (Eng. Abstr.) **(Fre)**

[Carbohydrate metabolism in normo- and hyperprolactinemic sterility patients and the possible treatment of sterility in juvenile diabetes mellitus with bromocriptine (Parlodel-Sandoz)] Alexander H, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:118-24 **(Ger)**

[Therapeutic results obtained from women with functional sterility. First communication: combined oestrogen-gestagen therapy (author's transl)] Weise W, et al. **Zentralbl Gynakol** 1982;104(1):2-8 (Eng. Abstr.) **(Ger)**

[Therapeutic results obtained from women with functional sterility. Second communication: clomiphene therapy (author's transl)] Weise W, et al. **Zentralbl Gynakol** 1982; 104(1):9-16 (Eng. Abstr.) **(Ger)**

[Therapeutic results obtained from women with functional sterility. Third communication: gonadotrophin therapy (author's transl)] Weise W, et al. **Zentralbl Gynakol** 1982; 104(1):17-25 (Eng. Abstr.) **(Ger)**

[Preliminary results of pregnancy induction with drug combination cyclofenilbromocriptine] Moggi G, et al. **Minerva Ginecol** 1981 Jun;33(6):532-3 **(Ita)**

[Treatment of female endocrine sterility with epimestrol] Paoletti AM. et al. **Minerva Ginecol** 1981 Jun;33(6):520-7 **(Ita)**

[Bromocriptine and a prolactin-producing pituitary tumor] Gagliardi AR, et al. **Rev Paul Med** 1981 Apr-Jun; 97(4-6):78-9 (Eng. Abstr.) **(Por)**

[Potential clinical use of clomiphene and its analogs in endocrine sterility] Vikhliaeva EM, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):36-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Dynamic echohysteroscopy: a new diagnostic technique in the study of female infertility. Nannini R, et al. **Acta Eur Fertil** 1981 Jun;12(2):165-71

Uterine anomalies in diethylstilbestrol-exposed women with fertility disorders. Ben-Baruch G, et al. **Acta Obstet Gynecol Scand** 1981;60(4):395-7

Impaired reproductive performance of the unicornuate uterus: intrauterine growth retardation, infertility, and recurrent abortion in five cases. Andrews MC, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):173-6

Prolonged intrauterine retention of fetal bones after abortion causing infertility. Dawood MY, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):715-7

Pelvic macrophages in normal and infertile women: the role of patent tubes. Halme J, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):890-5

Infertility in superovulated immature rats: role of ovarian steroid hypersecretion. Miller BG, et al. **Biol Reprod** 1982 Jun;26(5):861-8

Infertility and folate deficiency. Case reports. Dawson DW, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):678-80

Anovulatory and ovulatory infertility: results with simplified management. Hull MG, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1681-5

Endometriosis. Brosens I, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):639-51

The unilateral streak gonad syndrome (Slotnick-Goldfarb syndrome). Ghirardini G, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Nov;12(5):287-95

Bilateral autoamputation of the fallopian tubes. Bates GW, et al. **Fertil Steril** 1982 Aug;38(2):253-4

How does mild endometriosis cause infertility? Muse KN, et al. **Fertil Steril** 1982 Aug;38(2):145-52 (52 ref.)

Etiological factors in tubal infertility. Trimbos-Kemper T, et al. **Fertil Steril** 1982 Mar;37(3):384-8

Inflammatory bowel disease and pregnancy. Vender RJ, et al. **J Clin Gastroenterol** 1982 Jun;4(3):231-49 (145 ref.)

Female infertility. Mattox JH. **J Fam Pract** 1982 Sep; 15(3):533-9

Subclinical hypothyroidism and infertility [letter] Bohnet HG, et al. **Lancet** 1981 Dec 5;2(8258):1278

Increased frequency of serum antibodies to Chlamydia trachomatis in infertility due to distal tubal disease. Moore DE, et al. **Lancet** 1982 Sep 11;2(8298):574-7

Reversible luteal phase changes and infertility associated with marathon training [letter] Prior JC, et al. **Lancet** 1982 Jul 31;2(8292):269-70

The luteinized unruptured follicle syndrome. Koninckx PR, et al. **Obstet Gynecol Annu** 1982;11:175-86 (33 ref.)

Pelvic inflammatory disease: etiology, diagnosis, and treatment. Sweet RL. **Sex Transm Dis** 1981 Oct-Dec;8(4 suppl):308-15

[Studies on various parameters and etiology of sterility in Bulgaria] Ananiev T. **Akush Ginekol (Sofiia)** 1981; 20(3):249-54 (Eng. Abstr.) **(Bul)**

[Sterility as a late consequence of intrauterine anticonception (author's transl)] Pětroš J, et al. **Cesk Gynekol** 1981 Nov; 46(9):696-8 (Eng. Abstr.) **(Cze)**

[Retention of the oocyte - a newly recognized cause of sterility] Presl J. **Cesk Gynekol** 1981 Dec;46(10):780-1 **(Cze)**

[Infertility and carbohydrate metabolism. A study of 93 cases (author's transl)] Pinget M, et al. **Sem Hop Paris** 1982 Jan 28;58(4):209-12 (Eng. Abstr.) **(Fre)**

[Correlations between penetration tests and spermatozoal antibodies (author's transl)] Schiller S, et al. **Zentralbl Gynakol** 1981;103(16):942-5 (Eng. Abstr.) **(Ger)**

[Functional test for fallopian tube patency] Kardos F, et al. **Orv Hetil** 1981 Aug 9;122(32):1947-9 **(Hun)**

[Cervico-vaginitis and sterility] Capone N, et al. **Minerva Ginecol** 1982 Mar;34(3):165-9 **(Ita)**

[Uterine malformations and pregnancy] Giustolisi V, et al. **Minerva Ginecol** 1982 Jan-Feb;34(1-2):47-55 **(Ita)**

[Value of the routine use of the Sabin-Feldman dye test in females] Ragucci N, et al. **Minerva Ginecol** 1980 Dec; 32(12):1148-52 **(Ita)**

[The Petit-Le Four pessary in the mechanical treatment of uterine hypoplasia as the cause of sterility and infertility] Rizzuto E, et al. **Minerva Ginecol** 1981 Jul-Aug; 33(7-8):683-90 (Eng. Abstr.) **(Ita)**

[Anti-sperm antibodies as a cause of sterility] Koper R. **Ginekol Pol** 1981 May;52(5):471-4 (12 ref.) **(Pol)**

[Luteinized unruptured follicle syndrome] Gurtovaia NB, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):7-10 (30 ref.) **(Rus)**

[Uterine synechiae in fertility disorders] Elizondo Elizondo F, et al. **Ginecol Obstet Mex** 1981 Jun;49(296):359-66 (Eng. Abstr.) **(Spa)**

[Fertility of women after conization] Fertilio O, et al. **Rev Chil Obstet Ginecol** 1979;44(4):157-65 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

X-autosome translocation with a breakpoint in Xq22 in a fertile woman and her 47,XXX infertile daughter. Madan K, et al. **Hum Genet** 1981;59(4):290-6

[Secondary amenorrhoea and translocation between the X and 1 chromosome. The importance of the place where the break occurs (author's transl)] Fournier JP, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):573-8 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antibodies against spermatozoal surface--membrane antigens in female infertility. Ingerslev HJ. **Acta Obstet Gynecol Scand [Suppl]** 1981;100:1-52

Zona pellucida antibodies in a group of women with idiopathic infertility. Bousquet D, et al. **Am J Reprod Immunol** 1982 Apr;2(2):73-8

Fertility inhibition using low-dose immunization with procine zonae pellucidae. Dietl J, et al. **Am J Reprod Immunol** 1982 Jun;2(3):153-6

Studies on local immunity to sperm-dissolving of cervical mucus by use of bromelin with retention of antibody activity. Shulman S, et al. **Am J Reprod Immunol** 1980; 1(1):49-52

Histocompatibility antigens in pregnancy, abortions, infertility, preeclampsia, and trophoblast neoplasms. Pattillo RA. **Prog Clin Biol Res** 1981;70:259-68 (59 ref.)

Etiology of immune infertility. Prakash C. **Prog Clin Biol Res** 1981;70:403-12 (60 ref.)

Immunology of infertility. Reyniak JV. **Prog Clin Biol Res** 1981;70:395-401 (53 ref.)

[Observation on serum sperm-agglutinating antibodies in the diagnosis of immunologic infertility (author's transl)] Xu RQ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):94-5 **(Chi)**

METABOLISM

The role of salivary progesterone in studies of infertile women. Walker S, et al. **Br J Obstet Gynaecol** 1981 Oct; 88(10):1009-15

The concentration of 13,14-dihydro-15-keto prostaglandin F2 alpha and prostaglandin E2 in peritoneal fluid of infertile patients with and without endometriosis. Badawy SZ, et al. **Fertil Steril** 1982 Aug;38(2):166-70

Human ovarian receptors to human prolactin: implications in infertility. Ben-David M, et al. **Fertil Steril** 1982 Aug; 38(2):182-6

MICROBIOLOGY

Infertility and uterine colonization with Ureaplasma urealyticum. Stray-Pedersen B, et al. **Acta Obstet Gynecol Scand** 1982;61(1):21-4

Genital Mycoplasmas and Chlamydiae in infertility and abortion. Crăcea E, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr-Jun; 40(2):107-12

Chlamydia trachomatis associated with chronic inflammation in abdominal specimens from women selected for tuboplasty. Henry-Suchet J, et al. **Fertil Steril** 1981 Nov; 36(5):599-605

OCCURRENCE

Improved fertility following ectopic pregnancy. Sherman D, et al. **Fertil Steril** 1982 Apr;37(4):497-502

PATHOLOGY

The significance of lymphocytic-leukocytic infiltrates in interpreting late luteal phase endometrial biopsies. Daly DC, et al. **Fertil Steril** 1982 Jun;37(6):786-91

The significance of dating an endometrial biopsy for the prognosis of the infertile couple. Driessen F, et al. **Int J Fertil** 1980;25(2):112-6

Perihepatic adhesions in infertility patients with prior pelvic inflammatory disease. Grossman MJ, et al. **J Reprod Med** 1981 Dec;26(12):625-6

Scanning electron microscopy of nonfunctional human ovaries. Hafez ES, et al. **J Reprod Med** 1982 May; 27(5):271-4

Morphology and morphogenesis of the Stein-Leventhal ovary and of so-called 'hyperthecosis'. Hughesdon PE. **Obstet Gynecol Surv** 1982 Feb;37(2):59-77 (88 ref.)

Morphogenesis of the ovary from the sterile W/Wv mouse. Merchant-Larios H, et al. **Prog Clin Biol Res** 1981; 59B:383-92

PHYSIOPATHOLOGY

Unexpected pregnancies in women afflicted by occlusive tubal disease. Gomel V, et al. **Fertil Steril** 1981 Oct; 36(4):529-30

Postcoital testing in women during menotropin therapy. Skaf RA, et al. **Fertil Steril** 1982 Apr;37(4):514-9

Luteal phase in infertility: problems of evaluation. Balasch J, et al. **Int J Fertil** 1982;27(1):60-2

The role of the uterine cervix in reproduction and infertility. Bond AP. **Practitioner** 1982 Jul;226(1369):1314-8

[Nature of folliculo- and gametogenesis in various types of reproductive functional disorder] Kitaev EM. **Akush Ginekol (Mosk)** 1982 Apr;(4):3-6 (32 ref.) **(Rus)**

[Hormonal parameters of the transport of minute particles from uterus to abdominal cavity along the uterine tubes] Pobedinskii NM, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):52-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Risk of sterility and its prevention in gynecologic diseases in childhood and during sexual maturation] Kuznetsova MN, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):12-4 **(Rus)**

PSYCHOLOGY

Psychological preparation for surgery: patient recall of information. Reading AE. **J Psychosom Res** 1981; 25(1):57-62

[Psychological characteristics of women treated for sterility

as based on the Eysenck MPI questionnaire] Motyka M, et al. **Ginekol Pol** 1981 Jan;52(1):51–5 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Oil versus aqueous media for hysterosalpingography: a continuing debate based on many opinions and few facts. Soules MR, et al. **Fertil Steril** 1982 Jul;38(1):1–11

[The value of hysterosalpingographic findings in sterility investigations (author's transl)] Brolin I, et al. **ROFO** 1981 Nov;135(5):572–6 (Eng. Abstr.) **(Ger)**

SURGERY

The improvement of fertility at women with bicervical bicornuate uterus and double vagina. Sîrbu P, et al. **Acta Eur Fertil** 1981 Sep;12(3):199–212 **(Eng, Fre)**

Test tube babies: fact or fiction? [letter] Greentree LB. **Am J Obstet Gynecol** 1981 Nov 1;141(5):593–4

Microsurgery for tubal and ovarian disease. Winston RM. **Ann Chir Gynaecol** 1982;71(1):97–102

Progress in tubal surgery. Winston RM. **Clin Obstet Gynaecol** 1981 Dec;8(3):653–79 (61 ref.)

Classification of operations for tuboperitoneal factors causing infertility [letter] Cognat MA. **Fertil Steril** 1982 Jul; 38(1):121–2

Infertility surgery of the oviduct: comparison between macrosurgery and microsurgery. Fayez JA, et al. **Fertil Steril** 1982 Jan;37(1):73–8

The separation procedure for intrauterine adhesion (synechia uteri) under roentgenographic view. Ikeda T, et al. **Fertil Steril** 1981 Sep;36(3):333–8

Late results of salpingostomy combined with salpingolysis and ovariolysis by electromicrosurgery in 54 women. Larsson B. **Fertil Steril** 1982 Feb;37(2):156–60

Results of repeated tuboplasties. Lauritsen JG, et al. **Fertil Steril** 1982 Jan;37(1):68–72

Gestational outcome following hysteroscopic lysis of adhesions. March CM, et al. **Fertil Steril** 1981 Oct; 36(4):455–9

Pregnancy outcome following microsurgical fimbrioplasty. Patton GW Jr. **Fertil Steril** 1982 Feb;37(2):150–5

Management of infertile patients with unilateral tubal pathology by paradoxical oophorectomy. Trimbos-Kemper TC, et al. **Fertil Steril** 1982 May; 37(5):623–6

A new classification for surgical procedures for tubo-peritoneal abnormalities in infertility. Roland M. **Int J Fertil** 1982;27(1):27–8

Classification of operations for tuboperitoneal infertility. Cognat MA. **J Reprod Med** 1982 May;27(5):259–60

Implantation procedures for intramural obstruction. Pure bilateral implantation in 35 patients. Levinson CJ. **J Reprod Med** 1981 Jul;26(7):347–51

Tubal surgery for infertility. Poma PA. **Proc Inst Med Chic** 1981 Oct–Dec;34(4):99–104

Safe intraperitoneal use of 32% dextran 70 after surgical treatment of infertility. Daniell JF, et al. **South Med J** 1981 Oct;74(10):1225–6

[Results obtained by macrosurgical treatment of the tubal factor of sterility (author's transl)] Pilka L, et al. **Cesk Gynekol** 1981 Sep;46(8):588–92 (Eng. Abstr.) **(Cze)**

[Results of microsurgery of tubal sterility. Cooperative studies of French-speaking countries] Bremond A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(1):44–52 **(Fre)**

[Concerning early laparoscopic control of tubal plastic operations (authors' transl)] Madélénat P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):845–50 (Eng. Abstr.) **(Fre)**

[An actuarial method used to analyse the results of tubal surgery for sterility (author's transl)] Querleu D. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):527–34 (Eng. Abstr.) **(Fre)**

[Classification of interventions for sterility of tubo-peritoneal origin] Cognat MA. **Rev Med Suisse Romande** 1981 Jul; 101(7):507–8 **(Fre)**

THERAPY

Probability of pregnancy following infertility therapy [letter] Kazer R. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1064–6

Anovulatory and ovulatory infertility: results with simplified management. Hull MG, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1681–5

Incidence of pregnancy after laparoscopy and hydrotubation. Luthra P, et al. **Br Med J [Clin Res]** 1982 Apr 3; 284(6321):1013

Ovulation failure and induction. Hull MG. **Clin Obstet Gynaecol** 1981 Dec;8(3):753–85 (119 ref.)

Yoruba traditional healers' knowledge of contraception, abortion and infertility. Oyebola DD. **East Afr Med J** 1981 Oct;58(10):777–84

A parametric method for comparing cumulative pregnancy curves following infertility therapy. Guzick DS, et al. **Fertil Steril** 1982 Apr;37(4):503–7

Conservative surgery versus expectant management for the infertile patient with mild endometriosis. Schenken RS, et al. **Fertil Steril** 1982 Feb;37(2):183–6

Pregnancy successes in the infertile couple. Harrison RF. **Int J Fertil** 1980;25(2):81–7

Social selection in seeking medical care for reduced fecundity among women in Denmark. Rachootin P, et al. **J Epidemiol Community Health** 1981 Dec;35(4):262–4

Human pregnancy following oocyte and sperm transfer to the uterus. Craft I, et al. **Lancet** 1982 May 8;1(8280):1031–3

Britain's test-tube babies [editorial] **Nature** 1982 Jul 29; 298(5873):408

Ultrasound timing of human chorionic gonadotropin administration in clomiphene-stimulated cycle. O'Herlihy C, et al. **Obstet Gynecol** 1982 Jan;59(1):40–5

[Effect of Baikal peat on ovarian hormonal secretion in women with chronic inflammatory gynecologic diseases and sterility] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1981;20(5):400–3 **(Bul)**

[Effect of peat treatment at the Kyustendil health resort on cortisol and androgen secretion in inflammatory gynecologic diseases and female sterility] Burgudzhieva T, et al. **Akush Ginekol (Sofiia)** 1981;20(6):463–6 **(Bul)**

[Optimal conditions for the harvesting of human ovocytes for the purposes of in vitro fertilization] Mettler L. **Rev Med Brux** 1982;3(4):285–93 **(Fre)**

[In vitro fertilization and embryo transfer as a treatment in tubal sterility. The first developmental stages of the human embryo: from fertilization to nidation] Mulnard J. **Rev Med Brux** 1982;3(4):275–84 (Eng. Abstr.) **(Fre)**

[Successful pregnancy after laser surgery of blocked tubes (author's transl)] Grünberger V, et al. **Wien Klin Wochenschr** 1981 Dec 11;93(23):716–7 (Eng. Abstr.) **(Ger)**

[Results following Strassmann's operation (author's transl)] Langer H. **Zentralbl Gynakol** 1981;103(15):898–901 (Eng. Abstr.) **(Ger)**

[Results of treatment for sterility (author's transl)] Schlosser H. **Zentralbl Gynakol** 1981;103(19):1142–6 **(Ger)**

[Therapeutic effect on galactorrhea and sterility in prolactin-secreting pituitary adenomas (author's transl)] Sato O, et al. **Neurol Med Chir (Tokyo)** 1981 Nov; 21(11):1123–33 (Eng. Abstr.) **(Jpn)**

[Local negative pressure in treating female sterility] Novoskol'teva VN, et al. **Akush Ginekol (Mosk)** 1982 Apr; (4):17–9 (Eng. Abstr.) **(Rus)**

[Changes in the cervical factor and isolation of pathogenic microbes from the genital organs of women with chronic salpingo-oophoritis and infertility undergoing treatment at the Nalchik health resort] Keshokova MP. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):55–7 **(Rus)**

[Long-term results of complex treatment of tubal infertility at the Sadgorod health resort] Lushnikova ZA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan–Feb;(1):55–6 **(Rus)**

URINE

Assay of urinary oestriol in infertility patients by radioimmunoassay. Masters AM, et al. **Aust NZ J Obstet Gynaecol** 1981 Aug;21(3):181–3

VETERINARY

Effect of venereal transmission of ovine ureaplasma on reproductive efficiency of ewes. Livingston CW Jr, et al. **Am J Vet Res** 1982 Jul;43(7):1190–3

Cataracts, goitre and infertility in cattle grazed on an exclusive diet of Leucaena leucocephala. Holmes JH, et al. **Aust Vet J** 1981 Jun;57(6):257–61

Infertility in the dog and bitch. Allen WE, et al. **Br Vet J** 1982 May–Jun;138(3):185–98 (29 ref.)

Hormonal induction of lactation in the cow. Lembowicz K, et al. **Br Vet J** 1982 May–Jun;138(3):203–8

A quantitative study of the histological morphology of the endometrium of normal and barren mares. Leishman D, et al. **Can J Comp Med** 1982 Jan;46(1):17–20

Reproductive problems in the management of dairy cattle. Allenstein LC. **Can Vet J** 1981 Jun;22(6):184–8

The use of endometrial biopsy in the infertile mare. Doig PA, et al. **Can Vet J** 1981 Mar;22(3):72–6

X-trisomy karyotype and associated infertility in a Holstein heifer. Buoen LC, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):808–11

Culling of gilts with special reference to reproductive failure. Ehnvall R, et al. **Nord Vet Med** 1981 Apr–May; 33(4–5):167–71

Seasonal infertility in pigs. Love RJ. **Vet Rec** 1981 Oct 31; 109(18):407–9

Mathematical method for investigating causes of infertility in cattle. Richardson A, et al. **Vet Rec** 1982 Apr 17; 110(16):387

[Cervix uteri stenosis in swine] Matschullat G. **DTW** 1982 Apr 6;89(4):158 **(Ger)**

STERILITY, MALE

Ichthyosis, brittle hair, impaired intelligence, decreased fertility and short stature (IBIDS syndrome). Jorizzo JL, et al. **Br J Dermatol** 1982 Jun;106(6):705–10

Infertility. Howards SS. **J Urol** 1982 Jul;128(1):64–5

Causes and treatment of involuntary childlessness – recent advances. Macnaughton MC. **Proc Annu Symp Eugen Soc** 1981;16:103–20 (32 ref.)

[Indications for the auto-conservation of sperm in urology (author's transl)] Pontonnier F, et al. **J Urol (Paris)** 1982; 88(4):209–14 (Eng. Abstr.) **(Fre)**

[Spontaneous cure of sterility with unfavorable prognosis in both marriage partners] Knorre P, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):92–3 **(Ger)**

[Cryosperm banks as a measure in infertility prevention] Kaden R. **ZFA (Stuttgart)** 1982 Mar 20;58(8):457–61 **(Ger)**

[Medico-genetic justifications for artificial heterologous insemination and the use of a sperm bank] Czeizel E. **Orv Hetil** 1981 Dec 6;122(49):2999–3004 **(Hun)**

BLOOD

Male fertility and thyroid hormones. Abbaticchio G, et al. **Acta Eur Fertil** 1981 Sep;12(3):255–60 **(Eng, Ita)**

Gonadotropins in seminal plasma and blood serum and testosterone in blood serum of males treated for infertile marriage. Kačer J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:155–8

Hyperprolactinaemia and male infertility. Abbassy AA, et al. **Br J Urol** 1982 Jun;54(3):305–7

Endocrine assessment of the subfertile male. Wu FC, et al. **Clin Endocrinol (Oxf)** 1981 May;14(5):493–507

Raised plasma oestrogens in infertile men with elevated levels of FSH. Wu FC, et al. **Clin Endocrinol (Oxf)** 1982 Jan; 16(1):39–47

Searching for the infertile man with hyperprolactinemia. Hargreave TB, et al. **Fertil Steril** 1981 Nov;36(5):630–2

Peripheral concentrations of gonadotrophins and sexual steroids in infertile males. Sas M, et al. **Int Urol Nephrol** 1981;13(3):279–86

[Endocrine studies on male infertility (author's transl)] Hosoi Y. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):544–58 (Eng. Abstr.) **(Jpn)**

[Radioimmunological method of determining prolactin in human blood plasma. The statistical basis of the method and determination of the hormone content in healthy persons of both sexes and in sterility patients] Andino NA. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):42–5 (Eng. Abstr.) **(Rus)**

[Plasma prolactin and testosterone levels in male infertility (author's transl)] García Díez LC, et al. **Med Clin (Barc)** 1982 Feb 10;78(3):88–95 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Spermiologic findings during longterm lithium therapy. Raboch J Jr, et al. **Act Nerv Super (Praha)** 1981 Dec; 23(4):274–5

Sterilisation following instillation of thiotepa into the urinary bladder. Homonnai TZ, et al. **Br J Urol** 1982 Feb;54(1):60

Salicylazosulfapyridine and male infertility. Heineman MJ, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Nov; 12(5):297–303

Reversible male infertility [letter] Baeyertz JD. **NZ Med J** 1982 Jan 13;95(699):23

Reversible male infertility [letter] Fettes PW. **NZ Med J** 1981 Nov 25;94(696):395

Male infertility due to sulphasalazine. Tobias R, et al. **Postgrad Med J** 1982 Feb;58(676):102–3

Cannabinoids in male mice: effects on fertility and spermatogenesis. Dalterio S, et al. **Science** 1982 Apr 16; 216(4543):315–6

Prenatal exposure to phenobarbital permanently decreases testosterone and causes reproductive dysfunction. Gupta C, et al. **Science** 1982 May 7;216(4546):640–2

[Exposure to dibromochloropropane (DBCP) as a cause of sterility?] Stuurman A, et al. **Ned Tijdschr Geneeskd** 1982 Jan 16;126(3):101–2 (Eng. Abstr.) **(Dut)**

[Side effects of drugs on male sexuality] Przybilla B, et al. **Ther Ggw** 1981 Nov;120(11):1078–94 **(Ger)**

DIAGNOSIS

Infertility workup. Friedman BM. **Am J Nurs** 1981 Nov; 81(11):2041–6

Application of interspecies in vitro fertilization in the initial assessment of the infertile couple. Hammond MG, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):340–3

Benefits of the sperm (hamster ova) penetration assay in the evaluation of the infertile couple. Stenchever MA, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):91–6

Diagnostic value of determination of acid and alkaline phosphatase levels in the seminal plasma of infertile males. Girgis SM, et al. **Andrologia** 1981 Jul–Aug;13(4):330–4

Male reproductive endocrinology. Franks S. **Clin Obstet Gynaecol** 1981 Dec;8(3):549–69 (64 ref.)

Seminal analysis. Pryor JP. **Clin Obstet Gynaecol** 1981 Dec; 8(3):571–85 (61 ref.)

A method for the sequential study of synaptonemal complexes by light and electron microscopy. Navarro J, et al. **Hum Genet** 1981;59(4):419–21

In vitro fertilization rates after varicocele repair. Mygatt GG, et al. **J Urol** 1982 Jun;127(6):1103–4

Simultaneous assessment of human sperm motility and morphology by videomicrography. Overstreet JW, et al. **J Urol** 1981 Sep;126(3):357–60

Evaluation of the male partner of an infertile couple. An algorithmic approach. Swerdloff RS, et al. **JAMA** 1982 May 7;247(17):2418–22

Human male fertility [letter] Bronson RA, et al. **Obstet Gynecol** 1982 Feb;59(2):266–7

The role of testicular biopsy in the investigation of male infertility. Leong AS, et al. **Pathology** 1982 Apr; 14(2):205–10

Infertility: investigation and treatment. Carruthers GB.

Trans Med Soc Lond 1980;96:26–9
[Pitfalls and snags in donor insemination] Kremer J. Ned Tijdschr Geneeskd 1982 May 15;126(20):889–92 (Dut)
[Indications and results of artificial insemination with donor semen (AID) (author's transl)] Mattei A, et al. Ann Endocrinol (Paris) 1981 Oct–Nov;42(4–5):429–33 (Eng. Abstr.) (Fre)
[A programme for male infertility investigation (author's transl)] Schaison G. Ann Endocrinol (Paris) 1981 Oct–Nov; 42(4–5):407–15 (Eng. Abstr.) (Fre)
[The role at present of the urologist in appraising the diagnosis of sexual impotency (author's transl)] Jevtich MJ. J Urol (Paris) 1982;88(4):201–8 (Eng. Abstr.) (Fre)
[Determination of hormones in andrology] Krause W. Andrologia 1981 Sep–Oct;13(5):508–9 (Ger)
[Significance of bound fatty acids in human sperm in fertility disorders] Nissen HP, et al. Andrologia 1981 Sep–Oct; 13(5):444–51 (Eng. Abstr.) (Ger)
[Sperm motility as a diagnostic aid (author's transl)] Reich P, et al. Dermatol Monatsschr 1981 Jul;167(7):435–9 (Eng. Abstr.) (Ger)
[Characteristics of male fertility (author's transl)] Freischem CW, et al. Dtsch Med Wochenschr 1982 Apr 2; 107(13):486–91 (Eng. Abstr.) (Ger)
[Clinical examination and endocrinologic diagnosis of male infertility (author's transl)] Hetzel WD. MMW 1981 May 15;123(20):829–32 (Eng. Abstr.) (Ger)
[The diagnostic possibilities of the spermiogram] Rodermund OE, et al. MMW 1981 May 15;123(20):845–7 (Ger)
['What is normal?' – Ideals Exemplified on andrological aspects (author's transl)] Schirren C. Z Hautkr 1981 Aug 15;56(16):1037–45 (Eng. Abstr.) (Ger)
[Andrological problems with foreign workers (author's transl)] Stute J. Z Hautkr 1981 Jun 15;56(12):806–9 (Eng. Abstr.) (Ger)
[Significance of giant sperm in andrologic diagnosis] Corradi G, et al. Orv Hetil 1982 Jun 6;123(23):1409–12 (Hun)
[Correlations between semen examination and the post-coital test in the diagnosis of conjugal sterility] Rustichelli S, et al. Minerva Ginecol 1981 Jun;33(6):572–4 (Ita)
[Diagnostic elements in male sterility] Rustichelli S, et al. Minerva Ginecol 1979 Nov;31(11):825–36 (Ita)
[Diagnostic testing of the fibrinolytic activity of human seminal fluid. Clinical case studies] Tanferna M, et al. Minerva Ginecol 1981 Jul–Aug;33(7–8):667–76 (Eng. Abstr.) (Ita)
[Histopathological diagnosis of male infertility by testicular biopsy (author's transl)] Namiki T, et al. Rinsho Byori 1982 Jan;30(1):59–64 (Jpn)
[Comparative study of the spermogram and hormone levels in fertile and infertile males] Netto Júnior NR, et al. AMB 1981 Sep;27(9):264–6 (Eng. Abstr.) (Por)
[Ultrasound in the diagnosis of the infertile male. II. Echography of the prostate] Jiménez Cruz JF, et al. Actas Urol Esp 1981 May–Jun;5(3):189–92 (Eng. Abstr.) (Spa)
[Diagnostic value of Doppler ultrasound in male infertility] Ramos Boyero M, et al. Med Clin (Barc) 1982 Apr 16; 78(8):326–8 (Eng. Abstr.) (Spa)

DRUG THERAPY

Dexamethasone therapy of infertile men with sperm autoantibodies: immunological and sperm follow-up. De Almeida M, et al. Clin Exp Immunol 1981 Jun;44(3):567–75
The results of intermittent high dose steroid therapy for male infertility due to antisperm antibodies. Hendry WF, et al. Fertil Steril 1981 Sep;36(3):351–5
Bilateral aseptic necrosis of femoral heads following intermittent high-dose steroid therapy [letter] Hendry WF. Fertil Steril 1982 Jul;38(1):120
The puberty that almost wasn't: helping men mature [news] González ER. JAMA 1982 Sep 10;248(10):1155–7
Levamisole treatment in male infertility due to spermagglutinins [letter] Luisi M, et al. Lancet 1982 Jul 3;2(8288):47
[Hormonal treatment of idiopathic male infertility] Protich M. Akush Ginekol (Sofiia) 1981;20(4):344–8 (Eng. Abstr.) (Bul)
[Gonadotrophin therapy (author's transl)] Lunenfeld B, et al. MMW 1981 May 15;123(20):837–40 (Eng. Abstr.) (Ger)
[Pentoxifyllin in andrology (author's transl)] Schramm P. Z Hautkr 1981 Aug 15;56(16):1046–53 (Eng. Abstr.) (Ger)
[Treatment of male sterility with clomiphene citrate] Bablok L, et al. Ginekol Pol 1981 Jul;52(7):637–9 (Eng. Abstr.) (Pol)

ENZYMOLOGY

Human semen aspartate aminotransferase and alanine aminotransferase activity in male fertility studies. Buitrago JM, et al. Andrologia 1981 Jul–Aug;13(4):335–41
alpha, 1–4 Glucosidase activity in human seminal plasma from normal, vasectomized, and subfertile men. Rivas F, et al. Arch Androl 1981 Dec;7(4):319–21
A study of sperm acrosin in patients with unexplained infertility. Mohsenian M, et al. Fertil Steril 1982 Feb; 37(2):223–9
Creatine kinase in seminal plasma of infertile men: activity and isoenzymes. Asseo PP, et al. Int J Androl 1981 Aug; 4(4):431–9
Deficiency of protein-carboxyl methylase in immotile spermatozoa of infertile men. Gagnon C, et al. N Engl J Med 1982 Apr 8;306(14):821–5
Abnormal deficiency of both Mg2+ and Ca2+-dependent adenosine triphosphatase and secretory granules and vesicles in human seminal plasma. Brody I, et al. Scand J Urol Nephrol 1981;15(2):85–90
[Enzymatic profiles of semen in fertility studies in the male] González Buitrago JM, et al. Rev Clin Esp 1982 Feb 15; 164(3):187–9 (Eng. Abstr.) (Spa)

ETIOLOGY

The lipid composition of human testis in patients with bilateral varicocele as cause of infertility. Sheriff DS. Andrologia 1982 Mar–Apr;14(2):150–3
Reversible male infertility due to congenital adrenal hyperplasia. Wischusen J, et al. Clin Endocrinol (Oxf) 1981 Jun;14(6):571–7
Blind-ending vesicoperineal accessory urethra presenting with urinary obstruction and infertility. Sharma SK, et al. Eur Urol 1982;8(3):191–2
An analysis of sperm function in cases of unexplained infertility: conventional criteria, movement characteristics, and fertilizing capacity. Aitken RJ, et al. Fertil Steril 1982 Aug;38(2):212–21
The role of seminal vesiculography in the evaluation of male infertility. Ford K, et al. Fertil Steril 1982 Apr;37(4):552–6
Mastocytosis occurring in the testes from patients with idiopathic male infertility. Maseki Y, et al. Fertil Steril 1981 Dec;36(6):814–7
Abnormalities of sperm morphology in cases of persistent infertility after vasectomy reversal. Pelfrey RJ, et al. Fertil Steril 1982 Jul;38(1):112–4
Cigarette smoking and semen quality. Rodriguez-Rigau LJ, et al. Fertil Steril 1982 Jul;38(1):115–6
Incomplete differentiation of Wolffian structures: a form of Kallmann's syndrome? Wortsman J, et al. Fertil Steril 1982 Jan;37(1):123–5
Male gonadal function in coeliac disease: 1. Sexual dysfunction, infertility, and semen quality. Farthing MJ, et al. Gut 1982 Jul;23(7):608–14
Non-specific seminal tract infection and male infertility: a bacteriological study. Mogra N, et al. J Postgrad Med 1981 Apr;27(2):99–104
Routine hormonal screening of infertile men: is it worthwhile? Ross LS. J Urol 1981 Dec;126(6):756–8
Clinical experience with the radioisotope varicocele scan as a screening method for the detection of subclinical varicoceles. Wheatley JK, et al. J Urol 1982 Jul;128(1):57–9
Sexual complications few after lumbosacral fusion [news] Macek C. JAMA 1982 Mar 12;247(10):1390
Etiologic factors regarding chronic, poorly controlled diabetes mellitus associated with male infertility [letter] DiNicola AF. NZ Med J 1982 May 26;95(708):360
Assessment of fertility after testicular torsion: an experimental study. Merimsky E, et al. Urol Res 1982 Feb;10(1):51–4
Varicocele in childhood and adolescence: implication in adulthood infertility? Lyon RP, et al. Urology 1982 Jun; 19(6):641–4
[Cryptorchism and sterility] Plante P, et al. J Urol (Paris) 1982;88(3):147–9 (Eng. Abstr.) (Fre)
[Hypophyseal and testicular function in infertility associated with varicocele] Olivier GC, et al. Union Med Can 1981 Jul;110(7):641–52 (Eng. Abstr.) (Fre)
[Lack of reductase as cause of andrological disturbance?] Schramm P, et al. Andrologia 1982 Mar–Apr;14(2):177–81 (Eng. Abstr.) (Ger)
[Testicular biopsies in male diabetics] Thiel W, et al. Z Gesamte Inn Med 1981 Dec 1;36(23):917–20 (Eng. Abstr.) (Ger)
[Orchidopexy and fertility] Papp G, et al. Z Urol Nephrol 1981 Jul;74(7):541–5 (Eng. Abstr.) (Ger)
[Andrologic urology] Wagenknecht LV. Z Urol Nephrol 1982 Mar;75(3):197–203 (24 ref.) (Ger)
[Fertility and cryptorchism. Preliminary considerations] Formicola G, et al. Minerva Urol 1981 Jul–Sep; 33(3):175–80 (Eng. Abstr.) (Ita)
[Effect of artificial hypothermia on the reproductive capacity of male rats] Ryzhakov DI, et al. Biull Eksp Biol Med 1981 Jun;91(6):718–9 (Eng. Abstr.) (Rus)
[Urogenital trichomoniasis as a cause of male subfertility] Ristić D, et al. Med Pregl 1981;34(3–4):137–42 (Scr)
[Simple renal ectopia of a single kidney with bilateral absence of the vasa deferentes] Pomar Moya-Prats P, et al. Actas Urol Esp 1981 Nov–Dec;5(6):371–6 (Eng. Abstr.) (Spa)

FAMILIAL & GENETIC

A study of mitosis, meiosis, histology, and scanning electron microscopic details of spermatogenesis in an infertile male with probable 46,XY/47,XXY germinal mosaicism. Rajendra BR, et al. Am J Med Genet 1981;10(2):119–31
Translocation 46,X,t(Y;14)(q122;q111) in a case of sterility in the male. Petit P, et al. Ann Genet (Paris) 1982;25(1):63–4
Spermatogenesis revisited. V. Spermiogenesis in mice homozygous for two different male-sterile mutations (ps and hpy). Bryan JH. Cell Tissue Res 1981;221(1):169–80
Ring chromosome 15: report of a case in an infertile man. Moreau N, et al. Clin Genet 1982 Apr;21(4):272–9
A unique Y/Y translocation in an infertile male. Butler MG, et al. Cytogenet Cell Genet 1981;31(3):175–7
A pericentric inversion in the mouse. Davisson MT, et al. Cytogenet Cell Genet 1981;30(2):70–6
Evidence for two regions in the mouse t complex controlling transmission ratios. Styrna J, et al. Genet Res 1981 Dec; 38(3):315–25
Male-sterilizing interactions between duplications and deficiencies for proximal X-chromosome material in Drosophila melanogaster. Rahman R, et al. Genetics 1981 Sep;99(1):49–64
Meiotic arrest at first spermatocyte level: a new inherited infertility disorder. Cantú JM, et al. Hum Genet 1981; 59(4):380–5
Pericentric inversion of chromosome 1 in three sterile brothers. Giraldo A, et al. Hum Genet 1981;58(2):226–7
A new meiotic mutation: desynapsis of individual bivalents. Templado C, et al. Hum Genet 1981;59(4):345–8
Meiotic and synaptonemal complex studies in 45 subfertile males. Vidal F, et al. Hum Genet 1982;60(4):301–4
Cytogenetic studies in a Y-to-X translocation observed in three members of one family, with evidence of infertility in male carriers. Yamada K, et al. Hum Genet 1982; 60(1):85–90
Meiotic and synaptonemal complex studies in a 14/21 translocation carrier. Vidal F, et al. Int J Androl 1982 Feb; 5(1):21–6
Genetic and endocrine findings in a 31-year-old 45,X/46,Xdel(Y)(q12) male. Interlandi JW, et al. J Clin Endocrinol Metab 1981 Nov;53(5):1047–55
Chromosomal aberrations and male infertility. Abramsson L, et al. J Urol 1982 Jul;128(1):52–3
The I--R system of hybrid dysgenesis in Drosophila melanogaster: are I factor insertions responsible for the mutator effect of the I--R interaction? Pélisson A. MGG 1981;183(1):123–9
Heritable translocation test in mice with triethylenemelamine (TEM) and ergotamine. Matter BE. Mutat Res 1982 Apr; 104(1–3):177–82
[Male sterility and the karyotype. A study of 153 cases (author's transl)] Warter S. J Gynecol Obstet Biol Reprod (Paris) 1981;10(2):133–6 (Eng. Abstr.) (Fre)
[Inherited pericentric inversion of the chromosome 1 associated with male infertility] Tóth A, et al. Orv Hetil 1981 Sep 27;122(39):2423–5 (Hun)
[Cytogenetic study of meiosis in sterile male mice] Malashenko AM, et al. Tsitol Genet 1981 Jul–Aug; 15(4):37–41 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Reproductive immunology: 4. The effect of seminal plasma from immunologic infertile men on in vitro lymphocyte cultures. Franken DR, et al. Andrologia 1982 Mar–Apr; 14(2):99–103
Sperm antibodies in serum and semen in men with bilateral congenital absence of the vas deferens. Girgis SM, et al. Arch Androl 1982 Jun;8(4):301–5
Inhibition and enhancement of macrophage migration in the presence of lymphocytes and seminal fluid of men with fertility disorders. Livni E, et al. Arch Androl 1982 Feb; 8(1):69–72
Spermatophagy induced by spermatozoa in whole blood cultures from infertile husbands and their wives. Suhana N, et al. Arch Androl 1981 Dec;7(4):305–6
Immunological control of male fertility. Talwar GP, et al. Arch Androl 1981 Sep;7(2):177–85
Antibodies to sperm-associated antigens detected by solid phase assays. Wolf DP, et al. Biol Reprod 1982 Feb; 26(1):140–6
Identification of antisperm antibodies on sperm of infertile men. Haas GG Jr, et al. Fertil Steril 1982 Jul;38(1):54–61
Mixed erythrocyte-spermatozoa antiglobulin reaction (MAR test) for IgA antisperm antibodies in subfertile males. Hendry WF, et al. Fertil Steril 1982 Jan;37(1):108–12
The black mink (Mustela vison). A natural model of immunologic male infertility. Tung KS, et al. J Exp Med 1981 Oct 1;154(4):1016–32
IgA antibody to spermatozoa in seminal and prostatic fluids of a subfertile man. Witkin SS, et al. JAMA 1982 Feb 19; 247(7):1014–5
Seminal immunoglobulins, autoagglutination in ejaculates, and infertility in men. Friberg J. Prog Clin Biol Res 1981; 70:432–35
Immunology of infertility. Reyniak JV. Prog Clin Biol Res 1981;70:395–401 (53 ref.)
The mixed antiglobulin reaction as a screening test for antispermatozoal antibodies. Franken DR, et al. S Afr Med J 1982 Jul 31;62(6):162–3
[Antigen content in the seminal plasma in male sterility] Anshakova NI, et al. Vestn Dermatol Venerol 1982 Mar; (3):59–61 (Eng. Abstr.) (Rus)

METABOLISM

Studies on the distribution of feulgen-DNA content in normal and pathological human spermatozoa. Ebert L, et al. Andrologia 1982 May–Jun;14(3):229–35
Exchange of lipids between spermatozoa and seminal plasma in normal and pathological human semen. Huacuja L, et al. Arch Androl 1981 Dec;7(4):343–9
Reduction capacity of nitroblue tetrazolium (NBT) of sperms from patients with fertility problems. Mercado-Pichardo

E, et al. **Arch Invest Med (Mex)** 1981;12(4):499–503 **(Eng, Spa)**

The frequency of androgen receptor deficiency in infertile men. Aiman J, et al. **J Clin Endocrinol Metab** 1982 Apr; 54(4):725–32

[Measurement of seminal fluid 5 alpha dihydrotestosterone levels during investigations of sterility (author's transl)] Massart C, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar; 42(1):19–25 (Eng. Abstr.) **(Fre)**

[The role of basic amino acids in andrology] Papp G, et al. **Orv Hetil** 1982 Apr 4;123(14):839–44 **(Hun)**

MICROBIOLOGY

The association of semen factors with the recovery of Ureaplasma urealyticum. Cintron RD, et al. **Fertil Steril** 1981 Nov;36(5):648–52

The incidence of non–specific infection in the semen in fertile and sub–fertile males. McGowan MP, et al. **Int J Androl** 1981 Dec;4(6):657–62

Pyosemia and carriage of chlamydia and ureaplasma in infertile men. Bennett AH, et al. **J Urol** 1982 Jul;128(1):54–6

[Study of the spermatic bacterial flora in infertile males (author's transl)] Granouillet R, et al. **Pathol Biol (Paris)** 1982 Jan;30(1):22–6 (Eng. Abstr.) **(Fre)**

[Study of the spermatic bacterial flora in infertile males (author's transl)] Granouillet R, et al. **Sem Hop Paris** 1982 May 6;58(18):1129–33 (Eng. Abstr.) **(Fre)**

[Microbiological findings in infertility] Grossgebauer K. **ZFA (Stuttgart)** 1982 Mar 20;58(8):444–7 **(Ger)**

OCCURRENCE

[Fertility disorders in welders (author's transl)] Kandráčová E. **Cesk Dermatol** 1981 Oct;56(5):342–5 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Small vessel alterations in the testes of infertile men with varicocele. Andres TL, et al. **Am J Clin Pathol** 1981 Oct; 76(4):378–84

Histological and meiotic evaluation of infertile men. Micic S, et al. **Andrologia** 1981 Sep–Oct;13(5):499–503

Quantitative and ultrastructural study of germinal epithelium in testicular biopsies with 'mixed atrophy'. Sigg C, et al. **Andrologia** 1981 Sep–Oct;13(5):412–24

Influence of abstinence and ejaculation–to–analysis delay on semen analysis parameters of suspected infertile men. Mortimer D, et al. **Arch Androl** 1982 Jun;8(4):251–6

An acrosomal abnormality in spermatids from infertile men. Söderström KO. **Arch Androl** 1981 Nov;7(3):275–8

The clinical application of electron microscopy and the heterologous ova penetration test to the assessment of spermatozoa from infertile men. Pryor JP, et al. **Br J Urol** 1981 Dec;53(6):660–3

Cytogenetic and histological studies in a series of subfertile males. Curtis D, et al. **Int J Androl** 1982 Apr;5(2):113–29

Cytogenetic and histological studies of testicular biopsies from subfertile men with chromosome anomaly. Faed MJ, et al. **J Med Genet** 1982 Feb;19(1):49–56

Ultrastructural study of the decapitated sperm defect in an infertile man. Perotti ME, et al. **J Reprod Fertil** 1981 Nov; 63(2):543–9

[Testicular torsion and fertility disorders] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1981;20(6):471–5 (Eng. Abstr.) **(Bul)**

[Structural anomalies in disorders human of sperm motility in 60 cases of asthenospermia] Terquem A, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):567–76 (Eng. Abstr.) **(Fre)**

[Testicular biopsy for diagnosis of fertility disorders (author's transl)] Heymer B. **MMW** 1981 May 15;123(20):841–4 (Eng. Abstr.) **(Ger)**

[Pathology of testis in fertility disorders] Städtler F. **Pathologe** 1982 May;3(3):149–59 **(Ger)**

[Histopathological aspects of male infertility] Ventura M, et al. **Minerva Urol** 1982 Jan–Mar;34(1):51–3 **(Ita)**

[Testicular biopsy: theoretical and practical indications in the study of male infertility] Ricco R. **Recenti Prog Med** 1982 Jan;72(1):107–17 (Eng. Abstr.) **(Ita)**

[A case of immotile cilia syndrome (author's transl)] Nagai A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):335–9 (Eng. Abstr.) **(Jpn)**

[Testicular biopsy in male sterility. I–Technic, evaluation and interpretation] Gonçalves LF, et al. **Acta Med Port** 1981 Jan–Feb;3(1):57–69 (24 ref.) (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Endocrine evaluation in infertile men with varicocele. Freire FR, et al. **Andrologia** 1981 Sep–Oct;13(5):395–404

Semen analysis parameters and their interrelationships in suspected infertile men. Mortimer D, et al. **Arch Androl** 1982 May;8(3):165–71

Sperm function in patients with unexplained infertility. Templeton A, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):550–4

Clomiphene citrate does not modify the exaggerated thyrotrophin response to thyrotrophin–releasing hormone occurring in primary testicular failure. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):139–45

In vitro fertilizing capacity of human spermatozoa with the use of zona–free hamster ova: interassay variation and prognostic value. Cohen J, et al. **Fertil Steril** 1982 Apr; 37(4):565–72

Zona–free hamster eggs and human sperm penetration capacity: a comparative study of proven fertile donors and infertility patients. Zausner–Guelman B, et al. **Fertil Steril** 1981 Dec;36(6):771–7

Factors affecting the variability of semen analysis results in infertile men. Baker HW, et al. **Int J Androl** 1981 Dec; 4(6):609–22

Testicular testosterone concentration, interstitial cell density and spermatogenesis in infertile men. Hirsh AV, et al. **Int J Androl** 1981 Aug;4(4):409–20

Heterologous ovum penetration by human spermatozoa. Tyler JP, et al. **J Reprod Fertil** 1981 Nov;63(2):499–508

[Semen characteristics and fertility (author's transl)] Jouannet P. et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):416–22 (Eng. Abstr.) **(Fre)**

[The interpretation of athenospermia as a function of the parameters in a spermogram (author's transl)] Cranz C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):137–40 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Prognosis of fertility and treatment for maldescent testis (author's transl)] Stolp A, et al. **Dermatol Monatsschr** 1981 Jul;167(7):405–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Renal and gonadal venography in male infertility. Delaere KP, et al. **Eur Urol** 1981;7(6):340–2

[Deferentography under local anaesthesia in male sterility: technique and results (author's transl)] Gurret JP, et al. **Ann Radiol (Paris)** 1981 Sep–Oct;24(6):495–9 (Eng. Abstr.) **(Fre)**

[Deferentography under local anaesthesia in male sterility : technique and results (author's transl)] Gurret JP, et al. **Sem Hop Paris** 1982 Apr 1;58(13):793–7 (Eng. Abstr.) **(Fre)**

[Seminography in the study of the sterile male] Mariscal M, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):25–32 (Eng. Abstr.) **(Spa)**

SURGERY

Recent advances in microsurgery of the male genitalia. Silber SJ. **Ann Chir Gynaecol** 1982;71(1):80–96 (64 ref.)

[Reproductive disorders in inguinal cryptorchism treated surgically] Georgieva M, et al. **Khirurgiia (Sofiia)** 1982; 35(2):135–44 (Eng. Abstr.) **(Bul)**

THERAPY

Successful treatment of infertility due to retrograde ejaculation. Scammell GE. **J R Soc Med** 1981 Dec; 74(12):926–7

Human chorionic gonadotropin in the treatment of the infertile man. Mehan DJ, et al. **J Urol** 1982 Jul;128(1):60–3

Further clinical experience with testis hypothermia for infertility due to poor semen. Zorgniotti AW, et al. **Urology** 1982 Jun;19(6):636–40

[Insemination techniques and ethical problems (author's transl)] Lauritzen C. **MMW** 1981 May 15;123(20):833–6 (Eng. Abstr.) **(Ger)**

[What can be done about male infertility? Andrological cooperation in childless marriages] Pfeiffer EF. **MMW** 1981 May 15;123(20):827–8 **(Ger)**

[Possibilities and limits of therapy of male fertility disorders] Regoje D, et al. **Med Arh** 1981;35(3):149–51 (Eng. Abstr.) **(Scr)**

VETERINARY

Infertility in the dog and bitch. Allen WE, et al. **Br Vet J** 1982 May–Jun;138(3):185–98 (29 ref.)

XXY–trisomy identified by banding techniques in a male tortoiseshell cat. Hageltorn M, et al. **J Hered** 1981 Mar–Apr;72(2):132–4

Double reciprocal translocation heterozygosity in a bull. De Schepper GG, et al. **Vet Rec** 1982 Feb 27;110(9):197–9

STERILIZATION

Sterilization versus disinfection of anesthesia breathing circuits: safety and economic considerations. Wassé L, et al. **AANA J** 1982 Apr;50(2):161–5

Sterility–testing program for antibiotics and other intravenous admixtures. Choy FN, et al. **Am J Hosp Pharm** 1982 Mar;39(3):452–6

A teaching plan for surgical skin preparation. Merrill S. **AORN J** 1982 Jun;35(7):1372–8

Effect of UV light disinfection on antibiotic–resistant coliforms in wastewater effluents. Meckes MC. **Appl Environ Microbiol** 1982 Feb;43(2):371–7

Monitoring steam sterilization of surgical instruments: a dilemma. Perkins RE, et al. **Appl Environ Microbiol** 1981 Aug;42(2):383–7

Decontamination of laboratory microbiological waste by steam sterilization. Rutala WA, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1311–6

Hot or cold care systems for hydrophilic lenses? Gruber E. **Contact Intraocular Lens Med J** 1981 Oct–Dec;7(4):339–40

Mutagenic activity of sterilization indicators. Atherholt TB, et al. **Environ Mutagen** 1982;4(1):93–101

Endoscopically related infections and their prevention [editorial] Vennes JA, et al. **Gastrointest Endosc** 1981 Nov; 27(4):239–40

Comparison of the activities and stabilities of alkaline glutaraldehyde sterilizing solutions. Pepper RE. **Infect Control** 1980 Mar–Apr;1(2):90–2

Effect of repeated sterilization on the breaking strength of synthetic polyfilament suture. Dubin S, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1162

Use of buffered hypochlorite solution for disinfecting fibrescopes. Coates D, et al. **J Clin Pathol** 1982 Mar; 35(3):296–303

Comparative susceptibility of sterilized and genetically–defined strains of Aedes aegypti to Dirofilaria repens. Sharma VP, et al. **J Commun Dis** 1981 Mar; 13(1):17–25

Sterilization? [editorial] **J Hosp Infect** 1981 Dec;2(4):289–90

Aseptic techniques for lung function testing. Depledge MH, et al. **J Hosp Infect** 1981 Dec;2(4):369–72

Sterilization. Gröschel D. **J Hosp Infect** 1981 Dec;2(4):295–6

Resterilizing the artificial kidney [letter] Newsom SW, et al. **J Hosp Infect** 1981 Mar;2(1):100–1

Disinfection of surgical instruments. Nyström B. **J Hosp Infect** 1981 Dec;2(4):363–8

The disinfection of baths and shower trolleys in hospitals. Nyström B. **J Hosp Infect** 1981 Mar;2(1):93–5

When to wash walls in ward rooms? Ransjö U, et al. **J Hosp Infect** 1982 Mar;3(1):81–6

Sterilization. Reybrouck G. **J Hosp Infect** 1981 Dec; 2(4):291–3

Survival of Legionella pneumophila after decontamination with paraformaldehyde gas. Winn WC Jr, et al. **J Infect Dis** 1982 Aug;146(2):291

Preparation of sterile clinical supplies in a R & D facility. Kary AI. **J Parenter Sci Technol** 1981 Sep–Oct;35(5):251–4

Effect of nonsterile versus sterile water irrigation with ultrasonic scaling on postoperative bacteremias. Reinhardt RA, et al. **J Periodontol** 1982 Feb;53(2):96–100

Skin disinfection in the hyperbaric environment: a pilot study. Goad RF, et al. **J R Nav Med Serv** 1981;67(2):85–9

Barbiturate sleeptime in mice exposed to autoclaved or unautoclaved wood beddings. Cunliffe–Beamer TL, et al. **Lab Anim Sci** 1981 Dec;31(6):672–5

Central service department: past, present, future. Kirkwood EK. **Med Instrum** 1981 May–Jun;15(3):166–8

Measurement on the critical properties of polymeric sterile–wraps using graded biological indicators. Jitsukawa S. **Med J Osaka Univ** 1981 Sep;32(1–2):25–9

Chemical disinfection of Creutzfeldt–Jakob disease virus. Brown P, et al. **N Engl J Med** 1982 May 27;306(21):1279–82

The effect of povidone–iodine on postoperative wound infection in abdominal surgery. Kothuis BJ. **Neth J Surg** 1981 Oct;33(4):186–9

Antifungal treatment of allograft tissue for cardiac surgery. Wain WH. **Sabouraudia** 1981 Sep;19(3):199–204

A pilot study of skin disinfection in the hyperbaric environment. Nichols G, et al. **Undersea Biomed Res** 1981 Dec;8(4):239–43

Effect of membrane dialysis and filtration–sterilization on erythropoietin activity. Gallicchio VS, et al. **Yale J Biol Med** 1981 Jul–Aug;54(4):249–54

[Experimental study on peracetic acid sterilization and its application in nursing burns (author's transl)] Yang K. Chung Hua I Hsueh Tsa Chih 1981 Jan;61(1):10–3 (Eng. Abstr.) **(Chi)**

[The dangerousness of unsterile venous blood sample collection systems] Lötterle J, et al. **Beitr Gerichtl Med** 1981;39:273–8 (Eng. Abstr.) **(Ger)**

[Bacterial contamination of osteosynthesis material. Comparison between a sterile compartment and the conventional operating room] Rothe HU, et al. **Chirurg** 1982 Jan;53(1):51–4 (Eng. Abstr.) **(Ger)**

[Efficient disinfection in a hospital] Daschner F. **Dtsch Med Wochenschr** 1982 Apr 30;107(17):670–2 (9 ref.) **(Ger)**

[Disinfection of airplane storage rooms after the transport of animals] Hildebrandt K, et al. **DTW** 1981 Aug 5; 88(8):332–6 (Eng. Abstr.) **(Ger)**

[Reproducibility of sterilization performance of hot air sterilizers using stagnant air] Bergmann HJ, et al. **Z Gesamte Hyg** 1982;28(1):61–5 (Eng. Abstr.) **(Ger)**

[Use of ethylene oxide and handling of ethylene oxide sterilizers] Herzog V, et al. **Z Gesamte Hyg** 1981 Nov; 27(11):845–9 (Eng. Abstr.) **(Ger)**

[Robert Koch's contribution to the development of disinfection and current main points of disinfection in research and practice] Weuffen W. **Z Gesamte Hyg** 1982 Mar;28(3):167–71 (Eng. Abstr.) **(Ger)**

[Removal of polio– and parvovirus in sewage–sludge by lime–treatment (author's transl)] Koch K, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):335–47 (Eng. Abstr.) **(Ger)**

[Microbial counts using a membrane filtration method. Considerations on the reproducibility of results] Barzaghi D, et al. **Boll Chim Farm** 1982 Jan;121(1):43–52 (Eng. Abstr.) **(Ita)**

[Control of microbial air pollution in the operating room. II. Reconstruction experiments to verify the effect of aerosol distribution of an iodophor mixture] Bianco M, et al. **Clin Ter** 1981 Nov 30;99(4):389–95 **(Ita)**

[Radio–sterilization of medical products. VII. Observation

of gamma-ray sterilized hemodialyzer with scanning electron microscope (author's transl)] Tsuji K, et al. **Eisei Shikenjo Hokoku** 1981;99:29-33 (Eng. Abstr.) **(Jpn)**

[Modern interpretation of sterilization and disinfection] Furuhashi M. **Nippon Rinsho** 1981 Jun;39(6):2397-401 **(Jpn)**

[Study on radiosterilization of crude drug pill involving bezoar bovis--radiolysis of bilirubin and cholic acids in hydrous starch pellet (author's transl)] Kimura S, et al. **Radioisotopes** 1981 Dec;30(12):669-73 (Eng. Abstr.) **(Jpn)**

[Activity of various enzymes, BSP tests and blood serum protein fractions of workers of disinfection, de-insectization and deratization plants] Krzysztof K, et al. **Med Pr** 1980;31(6):459-67 (Eng. Abstr.) **(Pol)**

[Asepsis, antisepsis and disinfection: current problems in dental practice] Timoşca G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):359-65 **(Rum)**

[Work organization in a centralized sterilization unit at a polyclinic] Ivanov BA. **Voen Med Zh** 1982 Jun;(6):51 **(Rus)**

[Disinfection of bathrooms in the prevention of foot dermatophytosis in soldiers] Karadaglić D, et al. **Vojnosanit Pregl** 1982 Jan-Feb;39(1):12-4 **(Scr)**

[Drinking water with salt for cleaning and care of infected wounds] Brandberg A, et al. **Lakartidningen** 1982 Mar 3; 79(9):738-40 **(Swe)**

[Drinking water and salt instead of pharmaceutic salt solution?] Brandberg A, et al. **Lakartidningen** 1982 Mar 3;79(9):736-8 **(Swe)**

HISTORY

[Various aspects from the beginning of experimental disinfection] Wagner D. **Z Gesamte Hyg** 1982 Mar; 28(3):172-6 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

New disinfecting apparatus for gastrointestinal fibre-endoscopes. O'Connor HJ, et al. **Gut** 1982 Aug; 23(8):706-9

'The sliding plug'. **Indian J Pathol Microbiol** 1981 Apr; 24(2):iv-v

Specifications for laboratory autoclaves. The Public Health Laboratory Service Subcommittee on laboratory autoclaves. **J Hosp Infect** 1981 Dec;2(4):377-84

Tests on a low temperature steam and formaldehyde autoclave: the Miniclave 80. Deverill CE, et al. **J Hosp Infect** 1981 Jun;2(2):175-80

A new disposable Bowie-Dick-type test pack for prevacuum high-temperature sterilizers. Rhodes P, et al. **Med Instrum** 1982 Mar-Apr;16(2):117-20

[Bacteriological testing of formaldehyde disinfection chambers] Sacré C, et al. **Off Gesundheitswes** 1982 Jun; 44(6):386-9 **(Ger)**

['Chemophil' polymeric membranes for sterilizing ultrafiltration of liquids and gases] Nachinkin OI, et al. **Lab Delo** 1981;(5):314-5 **(Rus)**

[Equipment set for treating anesthesia and respiratory apparatus] Konishchev VG, et al. **Med Tekh** 1982 May-Jun;(3):30-3 **(Rus)**

[Device for air sterilization in temporary operating rooms] Kriazhev LN, et al. **Probl Gematol Pereliv Krovi** 1982 Apr; 27(4):53-4 **(Rus)**

METHODS

Alcohol spray versus wipes in disinfecting vial diaphragms. Armour NK, et al. **Am J Hosp Pharm** 1982 Jan;39(1):123

Terminal stabilization of intraocular lenses with sodium hydroxide. Galin MA. **Ann Ophthalmol** 1980 Oct; 12(10):1175-8

Proposed recommended practices for preoperative skin preparation of patients. From the Recommended Practices Subcommittee AORN. **AORN J** 1982 Apr;35(5):918-23

Effect of incremental doses of radiation on viability of the microbial population on synthetic operating room gowns. Whitby JL, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):528-33

Sterilisation of dental instruments [letter] Dowell TB, et al. **Br Dent J** 1982 Mar 16;152(6):188

An investigation of methods available for sterilising impressions. Storer R, et al. **Br Dent J** 1981 Oct 6; 151(7):217-9

Keeping a glucose analyzer free of bacterial contamination [letter] James KR, et al. **Clin Chem** 1981 Aug;27(8):1479-80

Superior osteogenesis in transplanted allogeneic canine skull following chemical sterilization. Prolo DJ, et al. **Clin Orthop** 1982 Aug;(168):230-42

Symposium: how to solve flexible lens care problems. **Contact Intraocular Lens Med J** 1981 Apr-Jun;7(2):89-100

Laboratory evaluation of chemical disinfection of soft contact lenses. Fenley CA, et al. **Contact Intraocular Lens Med J** 1981 Apr-Jun;7(2):101-10

Laboratory evaluation of chemical disinfection of soft contact lenses. II. Fungi as challenge organisms. Penley CA, et al. **Contact Intraocular Lens Med J** 1981 Jul-Sep; 7(3):196-204

Sterile insertion of permanent wear lenses. Spring TF. **Contact Intraocular Lens Med J** 1981 Apr-Jun;7(2):121-2

Prevention of hepatitis B virus transmission by the gastrointestinal fibrescope. Successful disinfection with an aldehyde liquid. Seefeld U, et al. **Endoscopy** 1981 Nov; 13(6):238-9

Radiosterilization of rat liver microsome containing postmitochondrial supernatant for mutation assays. Barfknecht TR, et al. **Environ Mutagen** 1981;3(5):565-73

Cleaning and disinfection of fiberoptic endoscopes: evaluation of glutaraldehyde exposure time and forced-air drying. Gerding DN, et al. **Gastroenterology** 1982 Sep; 83(3):613-8

Excessive levels of gram-negative bacteria in hemodialysis machines because of inadequate cleaning guidelines. Gurevich I, et al. **Infect Control** 1981 Sep-Oct;2(5):373-6

Induced radioactivity in sludge subjected to gamma treatment using spent nuclear fuel. Del Tin G, et al. **Int J Appl Radiat Isot** 1982 Jun;33(6):439-43

The reconstitution of powders for injection with gamma-irradiated water. Jacobs GP, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):180-1

Radiation resistivity of frozen insulin solutions and suspensions. Soboleva NN, et al. **Int J Appl Radiat Isot** 1981 Oct;32(10):753-6

An investigation into the reduction of tooth contamination in delayed transplantation. Comfort MB. **Int J Oral Surg** 1982 Apr;11(2):122-6

Reduction of contamination on the dental explorer. D'Hondt DG, et al. **J Am Dent Assoc** 1982 Mar;104(3):329-30

The performance of autoclaved high-speed dental handpieces. Wirthlin MR Jr, et al. **J Am Dent Assoc** 1981 Oct;103(4):584-7

The so-called 'salt tablet issue' concerning soft contact lenses [letter] Wittmer LW. **J Am Optom Assoc** 1981 Sep; 52(9):699

Two per cent glutaraldehyde: a disinfectant in arthroscopy and arthroscopic surgery. Johnson LL, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):237-9

Problems in the disinfection of class 1 microbiology safety cabinets. Everall PH, et al. **J Clin Pathol** 1982 Jul; 35(7):698-705

Tests on a cloth impregnated with disinfectant. Babb JR, et al. **J Hosp Infect** 1981 Sep;2(3):267-72

Recent advances in the cleaning and disinfection of fibrescopes. Babb JR, et al. **J Hosp Infect** 1981 Dec; 2(4):329-40

Ionizing radiation in the disinfection of water contaminated with potentially pathogenic mycobacteria. Kubin M, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):31-6

Hospital hydrotherapy pools treated with ultra violet light: bad bacteriological quality and presence of thermophilic Naegleria. De Jonckheere JF. **J Hyg (Lond)** 1982 Apr; 88(2):205-14

Modification of the operating light by addition of a removable sterile drape. Moeller DR, et al. **J Oral Maxillofac Surg** 1982 Jan;40(1):62

Steam sterilization of rubber closures in sealed nylon bags. Butler LD, et al. **J Parenter Sci Technol** 1982 May-Jun; 36(3):99-101

Steam-in-place sterilization of cartridge filters in-line with a receiving tank. Myers T, et al. **J Parenter Sci Technol** 1982 May-Jun;36(3):108-12

A comparison of the nutritional evaluation of irradiated and autoclaved diets in germfree rats. Yamanaka M, et al. **Jikken Dobutsu** 1981 Jul;30(3):299-302

Studies on the hygiene of drinking water for laboratory animals. 1. The effect of various treatments on bacterial contamination. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr;15(2):107-10

EO gas sterilization and humidity. Danielson NE. **Med Instrum** 1981 Sep-Oct;15(5):313-4

Nursing concerns and hospital product sterilization. Rock RB Jr, et al. **Med Instrum** 1981 May-Jun;15(3):159-62

Economic preparation of sterile pyrogen free infusate for haemofiltration. Ramperez P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:293-6

Sterilization of instruments in isolated hospitals. Hughes RA. **Trop Doct** 1982 Apr;12(2):87

Effect of combined treatment of serum containing hepatitis B virus with beta-propiolactone and ultraviolet irradiation. Stephan W, et al. **Vox Sang** 1981 Sep;41(3):134-8

[Methods for the control of disinfection in meat-packing plants] Kunev Zh. et al. **Vet Med Nauki** 1981;18(6):76-81 (Eng. Abstr.) **(Bul)**

[Cleansing and disinfecting the skin of calves in veal production] Milev M, et al. **Vet Med Nauki** 1981; 18(6):36-41 (Eng. Abstr.) **(Bul)**

[Experimental studies on disinfection of drinking water with chloraminegypsum brick (author's transl)] Lin JD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan;16(1):42-4 **(Chi)**

[Dichlorvos for disinfection in zooparasitic skin diseases (author's transl)] Klíma J. **Cesk Dermatol** 1981 Dec; 56(6):401-4 (Eng. Abstr.) **(Cze)**

[Sterilization of endoscopy instruments] Pilka L, et al. **Cesk Gynekol** 1982 Mar;47(2):134-5 **(Cze)**

[Cleaning and disinfection of cattle trucks (author's transl)] Osinga A, et al. **Tijdschr Diergeneeskd** 1981 Dec 15; 106(24):1272-80 (Eng. Abstr.) **(Dut)**

[Refuse treatment in hospitals and clinics. Disinfection of body vermin] Schreiber H, et al. **Fortschr Med** 1981 Nov 19;99(43):1792-8 (Eng. Abstr.) **(Ger)**

[Experimental and clinical investigations on reapplicability of resterilized intravascular catheters (author's transl)] Langmaack H, et al. **Radiologe** 1982 Jan;22(1):34-7 (Eng. Abstr.) **(Ger)**

[Hygiene in dental practice. I. Sterilization] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):429-40 (Eng. Abstr.) **(Ger)**

[Clean field-technique to reduce the local air contamination level in operating rooms. Clinical experiences in accident surgery (author's transl)] Klems H, et al. **Unfallchirurgie** 1981 Aug;7(4):215-20 (Eng. Abstr.) **(Ger)**

[Hot air sterilization of wet sterilizable instruments] Bergmann HJ, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15; 76(6):268-71 **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 2: Resistance-behaviour of isolated bacteria (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):47-54 (Eng. Abstr.) **(Ger)**

[Aerosol disinfection of airborne bacteria-investigations with the microthread technique (author's transl)] Nicklas W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1982 Apr; 176(1):39-46 (Eng. Abstr.) **(Ger)**

[Thermo-inactivation of viruses with microwaves] Mahnel H, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):509-17 (Eng. Abstr.) **(Ger)**

[Chemical disinfection and sterilization] Bösenberg H. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2211-4 **(Ger)**

[Hygiene in the physician's practice] Daschner F. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2193-6 **(Ger)**

[Disinfection - destruction of small animals] Lustig B. **ZFA (Stuttgart)** 1981 Nov 20;57(32):2215-20 **(Ger)**

[Simultaneous disinfection and sterilization of the apparatus for artificial pulmonary ventilation and inhalation anesthesia] Alekseeva MI, et al. **Anesteziol Reanimatol** 1982 Jan-Feb;(1):19-22 (Eng. Abstr.) **(Rus)**

[Methodological instructions for classifying tuberculosis foci and for the performance and quality control of disinfection measures in tuberculosis] **Probl Tuberk** 1981 Jun;(6):64-75 **(Rus)**

STANDARDS

Proposed recommended practices for inhospital packaging materials. From the Recommended Practices Subcommittee AORN. **AORN J** 1982 Apr;35(5):926-31

Effects of patching on sterilization of surgical textiles. Greene VW, et al. **AORN J** 1981 Jun;33(7):1249-61

Microbiological safety index. Smith RF. **AORN J** 1982 Aug; 36(2):311-6

Excessive levels of gram-negative bacteria in hemodialysis machines [letter] **Infect Control** 1982 Jan-Feb;3(1):15

A chemical indicator for the rapid measurement of F0 values. Bunn JL, et al. **J Appl Bacteriol** 1981 Aug;51(1):143-7

Physical and chemical monitoring with reliability techniques in sterilizer management. Hoskins HT. **J Parenter Sci Technol** 1981 Nov-Dec;35(6):285-92

A comparison of heat resistance in commercially available Bacillus stearothermophilus spore preparations used for monitoring steam sterilization. Hodges NA. **J Pharm Pharmacol** 1982 Apr;34(4):259-60

Interruption of hepatitis B transmission by modification of a gynaecologist's surgical technique. Carl M, et al. **Lancet** 1982 Mar 27;1(8274):731-3

Effect of beta-propiolactone in blood on routine haematological, biochemical, and serological investigations. Freeman R, et al. **Lancet** 1982 May 8;1(8280):1048-9

Physical and chemical methods of inactivating Lassa virus. Lloyd G, et al. **Lancet** 1982 May 8;1(8280):1046-8

Sterilization process indicators: biological vs chemical. Danielson NE. **Med Instrum** 1982 Jan-Feb;16(1):52

A new approach to sterilization conditions. The IMO concept. van Asten J, et al. **Pharm Weekbl [Sci]** 1982 Apr 23;4(2):49-56

[When may we choose disinfection? (author's transl)] Beumer J. **J Pharm Belg** 1981 Nov-Dec;36(6):375-9 (Eng. Abstr.) **(Fre)**

[Recovery of germs ...ed on surfaces with the collector by Thran] Andenmatten R. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):446-51 **(Ger)**

[Recovery of germs on surfaces with the collector by Thran (author's transl)] Andenmatten R. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):440-5 **(Ger)**

STERILIZATION, INVOLUNTARY see under **STERILIZATION, SEXUAL**

STERILIZATION REVERSAL

Immunoglobulin classes, secretory component, and sperm agglutinins in semen after vasovasostomy. Linnet L, et al. **Am J Reprod Immunol** 1982 Feb;2(1):13-7

Endocrine and accessory sex organ function after vasectomy and vasovasostomy. Joshi UM. **Arch Androl** 1981 Sep; 7(2):187-91

Reversal of vasectomy: the effects of sperm antibodies on subsequent fertility. Royle MG, et al. **Br J Urol** 1981 Dec; 53(6):654-9

Who asks for vasectomy reversal and why? Howard G. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):490-2

Microsurgical vasovasostomy. Lamesch AJ, et al. **Eur Surg Res** 1981;13(4):299-309

Reversal of female sterilization: how reliable is the previous

operative report? Taylor PJ, et al. **J Reprod Med** 1982 May; 27(5):246–8

Innervation of the vas deferens and its importance for vasectomy and vasovasostomy. Esk PC, et al. **Urol Int** 1982;37(1):26–33

Clinical experience with vasovasostomy utilizing absorbable intravasal stent. Redman JF. **Urology** 1982 Jul;20(1):59–61

[Vasovasotomy. Refertilization after vasectomy illustrated by a questionnaire study] Eldrup J, et al. **Ugeskr Laeger** 1982 Apr 19;144(16):1160–2 (Eng. Abstr.) **(Dan)**

[Mahgoub'd reversible sterilization] Ballas S. **Harefuah** 1981 May 1;100(9):415–6 (Eng. Abstr.) **(Heb)**

ADVERSE EFFECTS

Abnormalities of sperm morphology in cases of persistent infertility after vasectomy reversal. Pelfrey RJ, et al. **Fertil Steril** 1982 Jul;38(1):112–4

METHODS

Vasovasostomy–microscopy versus macroscopic techniques. Fenster H, et al. **Arch Androl** 1981 Sep;7(2):201–4

A low power magnification technique for reanastomosis of the vas. Urquhart–Hay D. **Br J Urol** 1981 Oct;53(5):466–9

Utilization of contralateral fallopian tube segments in tubal reanastomosis. Haney AF. **Fertil Steril** 1982 May; 37(5):701–3

Macroscopic vasovasostomy. Kessler R, et al. **Fertil Steril** 1981 Oct;36(4):531–2

Tubal anastomosis following unipolar cautery. Rock JA, et al. **Fertil Steril** 1982 May;37(5):613–8

Vasectomy reversal: use of microsurgical technique. Derrick FC Jr, et al. **J SC Med Assoc** 1982 Feb;78(2):90–1

Nonmicroscopic vasovasostomy. Fallon B, et al. **J Urol** 1981 Sep;126(3):361–2

Microsurgical reanastomosis of the fallopian tube: increasingly successful outcome for reversal of previous sterilization procedures. Diamond MP, et al. **South Med J** 1982 Apr;75(4):443–5

Reversal of female sterilization. Gantt PA, et al. **South Med J** 1982 Feb;75(2):161–3

Vasovasostomy with use of intraoperative vasography. Hartig PR, et al. **Urology** 1982 Apr;19(4):404–6

[Some problems concerning operations for reconstruction of tubal patency (author's transl)] Chen QB. **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):93–6 **(Chi)**

[Reversible sterilization with a physiological solution in the rat: preliminary note] Gianaroli L, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):135–41 (Eng. Abstr.) **(Ita)**

[Reversal of vasectomy with microsurgery] Ferreira MC. **AMB** 1981 Mar;27(3):80–2 (Eng. Abstr.) **(Por)**

PSYCHOLOGY

Tubal sterilization. Characteristics of women most affected by the option of reversibility. Shain RN, et al. **Soc Sci Med** 1982;16(10):1067–77

STERILIZATION, SEXUAL

In re Grady: the mentally retarded individual's right to choose sterilization. Lachance D. **Am J Law Med** 1981 Winter;6(4):559–90

Access to sterilization in two hospitals in Honduras. Janowitz B, et al. **Bull Pan Am Health Organ** 1981;15(3):226–30

Luteal phase pregnancies in female sterilization patients. Chi I, et al. **Contraception** 1981 Jun;23(6):579–89

Sterilization of the mentally retarded: a decision for the courts. Annas GJ. **Hastings Cent Rep** 1981 Aug;11(4):18–9

Sterilization of incompetents: The quest for legal authority. Bernstein AH. **Hospitals** 1982 Feb 1;56(3):13–5

Post–partum sterilization in Sao Paulo state, Brazil. Janowitz B, et al. **J Biosoc Sci** 1982 Apr;14(2):179–87

Contraceptive sterilization in four Latin American countries. McCarthy J. **J Biosoc Sci** 1982 Apr;14(2):189–201

The law of human reproduction: an overview. Warren DG. **J Leg Med (Chicago)** 1982 Mar;3(1):1–57

Parens patriae: judicial authority to order the sterilization of mental incompetents. West NJ. **J Leg Med (Chicago)** 1981 Dec;2(4):523–42

How women felt about their sterilization--a follow-up of 368 patients in a general practice. Wright AF. **J R Coll Gen Pract** 1981 Oct;31(231):598–604

The international medicolegal status of sterilization for mentally handicapped people. Gonzales B. **J Reprod Med** 1982 May;27(5):257–8

Counseling for sterilization. Gonzales BL. **J Reprod Med** 1981 Oct;26(10):538–40

Spontaneous occurrence of atypical hyperplasia and adenocarcinoma of the uterus in androgen–sterilized SD rats. Morikawa S, et al. **JNCI** 1982 Jul;69(1):95–101

Access to postpartum sterilization in southeast Brazil. Janowitz B, et al. **Med Care** 1982 May;20(5):526–34

The pattern of sterilisation [editorial] **NZ Med J** 1981 Aug 12;94(689):92–3

Legal trends and issues in voluntary sterilization. **Popul Rep [E]** 1981 Mar–Apr;(6):E73–102

Female sterilization – a follow–up report. Ross M, et al. **S Afr Med J** 1982 Mar 27;61(13):476–9

Female sterilization: guidelines for the development of services. Second edition. **WHO Offset Publ** 1980;(26):1–47

[Frequency of unwanted pregnancies among women on waiting lists for sterilization] Hørding U, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):875–6 (Eng. Abstr.) **(Dan)**

[Development of pregnancy following sterilization of the woman] van Otterlo LC, et al. **Ned Tijdschr Geneeskd** 1982 Feb 6;126(6):241–4 **(Dut)**

[Compensation for incorrect sterilizations – remarks on the judgment of the German Supreme Court of 18 March 1980] Händel F. **Beitr Gerichtl Med** 1981;39:233–7 (Eng. Abstr.) **(Ger)**

[Civil liability of physicians following unsuccessful sterilization] Franzki H. **Fortschr Med** 1981 Jan 29; 99(4):79–80 **(Ger)**

[Family planning. Contraception, sterilization, abortion] Ludwig H. **Fortschr Med** 1982 Apr 29;100(16):721–2, 742 **(Ger)**

[The law and sterilization or permanent contraception (author's transl)] Brenner G. **Geburtshilfe Frauenheilkd** 1982 Mar;42(3):226–30 (Eng. Abstr.) **(Ger)**

[Aspects of reproduction related to human rights. IV. Sterilization by surgical means] MacGregor C. **Gac Med Mex** 1981 Jul;117(7):272–4 **(Spa)**

ADVERSE EFFECTS

A two–year follow–up study of women sterilized in India. Bhatt RV, et al. **Contraception** 1981 Jun;23(6):603–19

INSTRUMENTATION

The hysterophore: a new instrument for uterine manipulation during laparoscopy. Lammes FB. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):243–6

METHODS

Laparoscopic sterilizations requiring laparotomy. Chi IC, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):712–3

There is no place in gynecological endoscopy for unipolar of bipolar high–frequency current. Riedel HH, et al. **Endoscopy** 1982 Mar;14(2):51–4

Potential demand for voluntary female sterilization in the 1980s: the compelling need for a nonsurgical method. Kessel E, et al. **Fertil Steril** 1982 Jun;37(6):725–33

Outpatient laparoscopic sterilization. Hamid Arshat, et al. **Med J Malaysia** 1981 Mar;36(1):20–3

A new technique for female sterilization. Muzsnai D, et al. **Obstet Gynecol** 1981 Oct;58(4):508–12

Uterine cornual cauterization as a sterilization method. Ishikawa M, et al. **Reproduccion** 1981 Jul–Sep;5(3):157–62

[Mahgoub'd reversible sterilization] Ballas S. **Harefuah** 1981 May 1;100(9):415–6 (Eng. Abstr.) **(Heb)**

[Reversible sterilization with a physiological solution in the rat: preliminary note] Gianaroli L, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):135–41 (Eng. Abstr.) **(Ita)**

MORTALITY

The risk of death from combined abortion–sterilization procedures: can hysterotomy or hysterectomy be justified? Atrash HK, et al. **Am J Obstet Gynecol** 1982 Feb 1; 142(3):269–74

Sterilization–attributable deaths in bangladesh. Grimes DA, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):149–54

Reproductive mortality in the United States. Sachs BP, et al. **JAMA** 1982 May 28;247(20):2789–92

PSYCHOLOGY

The issue of sterilization and the mentally retarded. Appelbaum PS. **Hosp Community Psychiatry** 1982 Jul; 33(7):523–4

Taking liberties with women: abortion, sterilization, and contraception. Savage W. **Int J Health Serv** 1982; 12(2):293–308

Emotional reaction to female sterilization: a prospective study. Aribarg S, et al. **J Med Assoc Thai** 1982 Apr; 65(4):167–71

Psychological preparation for surgery: patient recall of information. Reading AE. **J Psychosom Res** 1981; 25(1):57–62

Changes in sexual desire after voluntary sterilization. Bean FD, et al. **Soc Biol** 1980 Fall;27(3):186–93

TRENDS

Postpartum sterilization in cesarean section and non–cesarean section deliveries: United States, 1970–75. Placek PJ, et al. **Am J Public Health** 1981 Nov;71(11):1258–61

Sterilization and the birth rate. Nortman DL. **Stud Fam Plann** 1980 Sep–Oct;11(9–10):286–300

UTILIZATION

Use of services for family planning and infertility: United States. Hendershot GE, et al. **Vital Health Stat [23]** 1981 Dec;23(8):1–41

VETERINARY

Sterilization of the male dog and cat by laparoscopic occlusion of the ductus deferens. Wildt DE, et al. **Am J Vet Res** 1981 Nov;42(11):1888–97

STERILIZATION, TUBAL

see related

STERILIZATION REVERSAL

Follicular stimulating hormone, luteinizing hormone and estrogen levels before and after female sterilization. Sørensen T, et al. **Acta Obstet Gynecol Scand** 1981; 60(6):559–61

Bladder perforation owing to a unipolar coagulating device. Pakter J, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):227

A prolonged chloroprocaine epidural block in a postpartum patient with abnormal pseudocholinesterase. Kuhnert BR, et al. **Anesthesiology** 1982 Jun;56(6):477–8

Meleney's gangrene following sterilisation by salpingectomy. Case report. Badenoch DF. **Br J Obstet Gynaecol** 1981 Oct;88(10):1061–2

Pituitary–ovarian function after tubal ligation. Alvarez–Sanchez F, et al. **Fertil Steril** 1981 Nov; 36(5):606–9

Postpartum sterilization by operating–room nurses in Thailand. Koetsawang S, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):201–4

The choice of sterilization procedure among married couples. Markman LM, et al. **J Fam Pract** 1982 Jan;14(1):27–30

Evaluation of 2236 tubectomies. Raghav M, et al. **J Indian Med Assoc** 1981 Oct 1;77(7):115–7

Study of sociocultural aspect of tubectomy subjects. Ram R, et al. **J Indian Med Assoc** 1981 Oct 16;77(8):130–3

Ectopic pregnancy after tubal sterilization. Mechanism of recanalization. A case report. Rimdusit P. **J Med Assoc Thai** 1982 Feb;65(2):101–5

Hormonal levels following sterilization and hysterectomy. Corson SL, et al. **J Reprod Med** 1981 Jul;26(7):363–70

1979 AAGL membership survey. Phillips JM, et al. **J Reprod Med** 1981 Oct;26(10):529–33

Hospitalization for tubal sterilization [letter] Brown HP, et al. **JAMA** 1981 Dec 4;246(22):2576

Laparoscopy: a retrospective study with two or more years follow–up of patients in a small community hospital. Chapman JD. **JAOA** 1982;81(6 Suppl):429–35

Hysterectomy after interval laparoscopic sterilisation [letter] Chi IC, et al. **Lancet** 1982 Apr 10;1(8276):848–9

Embryo transfer, ectopic pregnancy, and preliminary tubal occlusion [letter] Craft I, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1421

Laparoscopic sterilization with fallope rings – a Malaysian experience. Rahman AA, et al. **Med J Malaysia** 1981 Jun; 36(2):92–9

Sterilization failure. An analysis of 27 pregnancies after a previous sterilization procedure. De Villiers VP. **S Afr Med J** 1982 Apr 17;61(16):589–90

Reversal of female sterilization. Gantt PA, et al. **South Med J** 1982 Feb;75(2):161–3

Laparoscopic bladder injury. Deshmukh AS. **Urology** 1982 Mar;19(3):306–7

[National College of French Gynecologists and Obstetricians. Report on legislation on tubal sterilization] Lerat MF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(1):183–8 **(Fre)**

ADVERSE EFFECTS

Oral contraceptives and postoperative venous thrombosis. DeStefano F, et al. **Am J Obstet Gynecol** 1982 May 15; 143(2):227–8

Endosalpingosis ('endosalpingoblastosis') following laparoscopic tubal coagulation as an etiologic factor of ectopic pregnancy. McCausland A. **Am J Obstet Gynecol** 1982 May 1;143(1):12–24

Deaths following female sterilization with unipolar electrocoagulating devices. Centers for Disease Control H.E.W., Public Health Service, Atlanta, GA. **Conn Med** 1982 Jan;46(1):31–2

Endometrial pathological changes after Fallopian ring tubal ligation. de Cristofaro D, et al. **Endoscopy** 1982 Jul; 14(4):139–40

Tubal sterilization and hysterectomy. Johnson JH. **Fam Plann Perspect** 1982 Jan–Feb;14(1):28–30

Inadvertent injuries during gynecologic endoscopy [letter] Grunert GM. **Fertil Steril** 1982 Feb;37(2):284–5

Endometriosis and tuboperitoneal fistulas after tubal ligation [letter] Massey JB. **Fertil Steril** 1981 Sep;36(3):417–8

Risk of ectopic pregnancy following tubectomy. Bhatnagar S. **Indian J Med Res** 1982 Jan;75:47–9

The role of recanalization in tubal pregnancy after sterilization. Badawy S, et al. **Int Surg** 1979 Aug–Oct; 64(5):49–51

Postligation tubal pregnancy. Chaudhuri SK, et al. **J Indian Med Assoc** 1982 Feb 1;78(3):50–1

Post– tubal ligation hysterectomy. Gupta AS, et al. **J Indian Med Assoc** 1981 Jun 1;76(11):208–10

Menstrual pattern changes following laparoscopic sterilization: a comparative study of electrocoagulation and the tubal ring in 1,025 cases. Bhiwandiwala PP, et al. **J Reprod Med** 1982 May;27(5):249–55

Endocrine profile of patients with post–tubal–ligation syndrome. Hargrove JT, et al. **J Reprod Med** 1981 Jul; 26(7):359–62

Severe pelvic inflammatory disease and peritonitis following Falope Ring tubal ligation. Case report and review of the literature. LoBue C. **J Reprod Med** 1981 Nov;26(11):581–4

Late complications of sterilization according to method. Riedel HH, et al. **J Reprod Med** 1981 Jul;26(7):353–8

Post tubal ligation syndrome or iatrogenic hydrosalpinx. Gregory MG. **J Tenn Med Assoc** 1981 Oct;74(10):712–4
Death following puncture of the aorta during laparoscopic sterilization. Peterson HB, et al. **Obstet Gynecol** 1982 Jan; 59(1):133–4
The health of sterilized women. McGuinness BW. **Practitioner** 1982 May;226(1367):925–8
[Analysis of pathological process in fallopian tubes after injection with mucilago phenol in relation to its sterilization effectiveness (author's transl)] Chen MY. **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):84–6 **(Chi)**
[Complications in women after operative sterilization (author's transl)] Gavrić B, et al. **Jugosl Ginekol Opstet** 1981 May–Aug;21(3–4):81–2 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

[Use of fallopian ring with laparoscopy for closure of oviduct (author's transl)] Zábranský F. **Zentralbl Gynakol** 1981; 103(20):1228–34 (Eng. Abstr.) **(Ger)**

METHODS

Laparoscopic sterilization with the Falope-ring technique. Hertz JB. **Acta Obstet Gynecol Scand** 1982;61(1):13–5
The doubtful value of transitory contraception after laparoscopic electrocoagulation of the fallopian tubes. Kjer JJ, et al. **Acta Obstet Gynecol Scand** 1981;60(4):403–5
Minilaparotomy or laparoscopy for sterilization: a multicenter, multinational randomized study. World Health Organization, Task Force on Female Sterilization, Special Programme of Research, Development and Research Training in Human Reproduction. **Am J Obstet Gynecol** 1982 Jul 15;143(6):645–52
Female sterilization by Falope ring ligation. Lalonde AB. **Can Med Assoc J** 1982 Jan 15;126(2):140–4
Evaluation of contemporary female sterilization methods. Brenner WE. **J Reprod Med** 1981 Sep;26(9):439–53 (12 ref.)
Evaluation of Falope Ring sterilization by hysterosalpingogram. Cook CL. **J Reprod Med** 1982 May; 27(5):243–8
Tubal occlusion with silicone rubber. Update, 1980. Reed TP, et al. **J Reprod Med** 1981 Oct;26(10):534–7
An initial comparison of coagulation techniques of sterilization. Riedel HH, et al. **J Reprod Med** 1982 May; 27(5):261–7
Endoscopic salpingectomy. Tarasconi JC. **J Reprod Med** 1981 Oct;26(10):541–5
Minilaparotomy tubal sterilization: a comparison between normal and high-risk patients. Domenzain ME, et al. **Obstet Gynecol** 1982 Feb;59(2):199–201
[Tubal sterilization with silver clips—clinical observation and follow-up of 1,182 cases (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):52–4 **(Chi)**
[Pharmacological study on chemically induced tubal occlusion in rabbits (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):87–90 **(Chi)**
[Sterilization by occlusion of the fallopian tubes with mulcilago phenol (a seven years' clinical observation) (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):79–83 **(Chi)**
[Experimental observation and clinical application on the occlusion of fallopian tubes by silver clips (author's transl)] Ding SL. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr; 17(2):105–7 **(Chi)**
[Laparoscopic sterilization with Falope ring (a preliminary report of 220 cases) (author's transl)] Zhang XJ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):60–2 **(Chi)**
[Application of laparoscope for female sterilization (analysis of 74 cases) (author's transl)] He CH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):106–9 (Eng. Abstr.) **(Chi)**
[Laparoscopic sterilization with thermocoagulation] Buchhave PK, et al. **Ugeskr Laeger** 1982 Jan 18; 144(3):147–9 (Eng. Abstr.) **(Dan)**
[Laparoscopic sterilisation using Hulka-Clemens clips, with or without termination of pregnancy. A study of 544 cases (author's transl)] Tadjerouni A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):851–6 (Eng. Abstr.) **(Fre)**
[Failure of Yoon ring tubal sterilization] Chenevart P. **Rev Med Suisse Romande** 1981 Nov;101(11):907–12 **(Fre)**
[Study of 500 cases of sterilization by tubal ligation] Leke RJ, et al. **Union Med Can** 1981 Sep;110(9):807–9 (Eng. Abstr.) **(Fre)**
[Late complications after application of different sterilization techniques — a comparison between the monopolar HF-sterilization and the endocoagulation method (author's transl)] Riedel HH, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):273–9 (Eng. Abstr.) **(Ger)**
[Operative complications of laparoscopic tubal sterilization with Bleier clips (author's transl)] Schneller E, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):379–84 (Eng. Abstr.) **(Ger)**
[Failures with the tubal ligation with the Bleier-secuclips (author's transl)] Schurz AR, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):376–8 (Eng. Abstr.) **(Ger)**
[Results with laparoscopic tubal sterilization (author's transl)] Burmucic R. **Wien Klin Wochenschr** 1982 Feb 5;94(3):77–80 (Eng. Abstr.) **(Ger)**
[Ligation of the fallopian tubes by means of minilaparotomy (our modification of Pomeroy's method) and using a laparoscope (falope ring)] Kuczewski K. **Ginekol Pol** 1981 Jan;52(1):57–62 (Eng. Abstr.) **(Pol)**
[Salpingoclasia by minilaparotomy following spontaneous abortion] Alvarado Durán A, et al. **Ginecol Obstet Mex** 1981 Apr;49(294):239–53 (Eng. Abstr.) **(Spa)**
[Female sterilization. Comparative study of 3 laparoscopic technics] Uribe Ramírez LC, et al. **Ginecol Obstet Mex** 1981 May;49(295):311–24 (Eng. Abstr.) **(Spa)**

MORTALITY

Mortality risk associated with tubal sterilization in United States hospitals. Peterson HB, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):125–9

PSYCHOLOGY

Psychological sequelae to elective sterilisation: a prospective study. Cooper P, et al. **Br Med J [Clin Res]** 1982 Feb 13; 284(6314):461–4
Psychological sequelae to elective sterilisation: a prospective study [letter] Thiery M, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1557
Psychosexual attitudes in the female following sterilization. Wynter HH, et al. **Int Surg** 1979 Aug–Oct;64(5):31–3
Psychological and physical outcome after elective tubal sterilization. Cooper P, et al. **J Psychosom Res** 1981; 25(5):357–60
Tubal sterilization. Characteristics of women most affected by the option of reversibility. Shain RN, et al. **Soc Sci Med** 1982;16(10):1067–77
[Psychic attitude of women to irreversible contraception (author's transl)] Sudik R, et al. **Zentralbl Gynakol** 1981; 103(20):1242–54 (Eng. Abstr.) **(Ger)**

UTILIZATION

Demographic trends in tubal sterilization: United States, 1970–1978. DeStefano F, et al. **Am J Public Health** 1982 May;72(5):480–4

STERNOCLAVICULAR JOINT

Disseminated brucellosis initially seen as sternoclavicular arthropathy. Lam K, et al. **Arch Intern Med** 1982 Jun; 142(6):1193–4
Septic sternoclavicular arthritis with Pasteurella multocida and Streptococcus sanguis. Nitsche JF, et al. **Arthritis Rheum** 1982 Apr;25(4):467–9
Hypoprothrombinemia associated with moxalactam treatment of a septic sternoclavicular arthritis due to Citrobacter diversus. Holt RJ, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):288–9
Friedrich's disease. Aseptic necrosis of the sternal end of the clavicle. Levy M, et al. **J Bone Joint Surg [Br]** 1981; 63B(4):539–41
[About causative factors in spontaneous sternoclavicular subluxation (author's transl)] Emr J, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):536–40 (Eng. Abstr.) **(Cze)**

INJURIES

Enchondroma of the proximal clavicle. An unusual cause of pathologic fracture-dislocation of the sternoclavicular joint. Bernard RN Jr, et al. **Clin Orthop** 1982 Jul; (167):239–41
Panclavicular dislocation. Report of a case. Gearen PF, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):454–5
[Injuries of the clavicular joints] Ricklin P. **Helv Chir Acta** 1982 Jan;48(5):561–9 (Eng. Abstr.) **(Ger)**
[Luxation of the sternoclavicular joint (author's transl)] Pfister U, et al. **Unfallchirurgie** 1982 Apr;8(2):81–7 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Septic arthritis of the sternoclavicular joint due to gram-positive microorganisms. Friedman RS, et al. **Am J Med Sci** 1981 Sep–Oct;282(2):91–3

PATHOLOGY

[Lesion of the sternoclavicular joints in Tietze's syndrome] Greida BP. **Ortop Travmatol Protez** 1981 Sep;(9):46–7 **(Rus)**

RADIOGRAPHY

[Transsternal sternoclavicular projection. Diagnostic value in sternoclavicular dislocations (author's transl)] Féry A, et al. **J Radiol** 1981 Mar;62(3):167–70 (Eng. Abstr.) **(Fre)**
[Friedrich disease] Drewes J, et al. **ROFO** 1982 Feb; 136(2):213–4 **(Ger)**

STERNOCOSTAL JOINTS see under **JOINTS**

STERNUM

Sternal dehiscence: 'delayed primary closure' for complicated cases. Taira A, et al. **Jpn J Surg** 1981 Mar;11(2):124–6
Fine-needle aspiration of bone marrow from sternum. Hedley DW, et al. **Lancet** 1982 Aug 21;2(8295):415–6
Case report 198. Giant cell tumor of manubrium. Sundaram M, et al. **Skeletal Radiol** 1982;8(3):225–7
Sternal wound infection after resection of left ventricular aneurysm. Case report. Leitz KH, et al. **Thorac Cardiovasc Surg** 1981 Oct;29(5):293–5
[Diagnostic difficulties and the treatment of sternal tumors] Kolarov I, et al. **Khirurgiia (Sofiia)** 1981;34(4):336–9 (Eng. Abstr.) **(Bul)**
[Tuberculous osteitis of the sternum] Kuntz JL, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):477–8 **(Fre)**
[The differential diagnosis of primary and secondary tumours of the sternum (author's transl)] Pirschel J. **ROFO** 1981 Aug;135(2):197–203 **(Ger)**
[Case studies of hemangiopericytoma of the bone] Sciortino R. **Chir Organi Mov** 1979 May–Jun;65(3):335–45 (28 ref.) **(Ita)**

ABNORMALITIES

Total thoracic ectopia cordis with complete absence of sternum and pericardium and double diverticulum. Poulias GE, et al. **J Cardiovasc Surg (Torino)** 1982 Jan–Feb; 23(1):75–8
Spontaneous sternal segment dislocation: a case report. Scudamore CH, et al. **J Pediatr Surg** 1982 Feb;17(1):61–3
Proplast reconstruction of the lower sternum. Bell ML. **Plast Reconstr Surg** 1981 Nov;68(5):795–7
[Congenital bifid sternum (author's transl)] Schubert W, et al. **Z Kinderchir** 1981 Mar;32(3):208–13 (Eng. Abstr.) **(Ger)**
[Chondromanubrial prominence. Report of 3 cases and presentation of a new technic for surgical correction] da Rosa JF, et al. **AMB** 1981 Nov;27(11):315–8 (Eng. Abstr.) **(Por)**

ANATOMY & HISTOLOGY

Sternal foramena in man. McCormick WF. **Am J Forensic Med Pathol** 1981 Sep;2(3):249–52
Normal values of philtral length, oral intercommissural distance, and sternal length in newborn infants. Méhes K. **J Craniofac Genet Dev Biol** 1981;1(2):213–6

EMBRYOLOGY

Formation and maturation of the human sternum. I. Fetal period. McCormick WF, et al. **Am J Forensic Med Pathol** 1981 Dec;2(4):323–8

INJURIES

Spontaneous sternal collapse. Itani M, et al. **J Bone Joint Surg [Br]** 1982;64(4):432–4
[Injuries of the sternum] Strmiska J, et al. **Rozhl Chir** 1981 Dec;60(12):793–8 (Eng. Abstr.) **(Cze)**

MICROBIOLOGY

Sternal infection after cardiac transplantation. Successful salvage utilizing a variety of techniques. Pearl SN, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):632–4

PATHOLOGY

[Sterno-costo-clavicular hyperostotic syndrome (author's transl)] Hama H. **Nippon Geka Hokan** 1980 Sep 1; 49(5):553–4 **(Jpn)**

RADIOGRAPHY

Radiologic patterns of the sternum in Noonan's syndrome with congenital heart defect. Hoeffel JC, et al. **Am J Dis Child** 1981 Nov;135(11):1044–6
The radiographic recognition of sternal retraction in infants. Markowitz RI. **Clin Radiol** 1982 May 3;33(3):307–11
Sternocostoclavicular hyperostosis. A report of three new cases. Resnick D, et al. **J Bone Joint Surg [Am]** 1981 Oct; 63A(8):1329–32
Sternal cupping: a new finding in childhood sickle cell anemia. Levine MS, et al. **Radiology** 1982 Feb; 142(2):367–70
Radiological appearances of the xiphoid process presenting as an upper abdominal mass. Sanders RC, et al. **Radiology** 1981 Nov;141(2):489–90
Case report 188. Sternocostoclavicular hyperostosis. Karasick S, et al. **Skeletal Radiol** 1982;8(1):74–6
[The manubriosternal articulation in axial inflammatory rheumatism] L'Hermine C, et al. **Rev Rhum Mal Osteoartic** 1981 Jul–Sep;48(7–9):581–5 **(Fre)**
[X-ray findings of the sternum after sternotomy (author's transl)] Vogel H, et al. **Rontgenblatter** 1982 Sep; 35(9):325–30 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[An asymmetrical uptake of 99mTc-MDP on the manubrium sterni and its surrounding bone in the patients with mastectomy (author's transl)] Ono Y, et al. **Kaku Igaku** 1981 Aug;18(7):929–34 (Eng. Abstr.) **(Jpn)**

SURGERY

Hemodynamic changes prior to and after sternotomy in

patients anesthetized with high-dose fentanyl. Edde RR. **Anesthesiology** 1981 Oct;55(4):444-6
Delayed sternal closure following open-heart operation. Gielchinsky I, et al. **Ann Thorac Surg** 1981 Sep;32(3):273-7
Upper extremity neuropathies following median sternotomy. Morin JE, et al. **Ann Thorac Surg** 1982 Aug;34(2):181-5
Internal mammary arteriovenous fistula after sternotomy. Maher TD, et al. **Arch Surg** 1982 Aug;117(8):1100-1
Reconstruction of the sternum and anterior chest wall: aesthetic considerations. Arnold PG. **Clin Plast Surg** 1981 Apr;8(2):389-97
Avulsion of the innominate vein during median sternotomy. Hines GL. **J Cardiovasc Surg (Torino)** 1981 Jul-Aug; 22(4):349-52
Brachial plexus injury after median sternotomy. Graham JG, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):621-5
Repair of refractory sternal dehiscence: a new technique [letter] Campo CD, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):937-9
Brachial plexus injury following median sternotomy. Part I. Vander Salm TJ, et al. **Thorac Cardiovasc Surg** 1982 Jun;83(6):914-7
The use of the CO2 laser in sternotomy in cardiac surgery: a preliminary report. Russin LA. **Lasers Surg Med** 1982; 2(1):97-9
The pectoralis major myocutaneous flap and omental transposition for closure of infected median sternotomy wounds. Herrera HR, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):465-70
Pectoralis major muscle turnover flaps for closure of the infected sternotomy wound with preservation of form and function. Nahai F, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):471-4
Management of disrupted sternotomy. Roy AC, et al. **Thorax** 1981 Sep;36(9):676-8
Reconstruction of sternal defects with autologous bone grafts and myocutaneous flap of the latissimus dorsi muscle. Ogawa J, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):63-8
[Modified sternoturnover operation for the correction of funnel chest (author's transl)] Jin JJ. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):212-3 (Eng. Abstr.) **(Chi)**
[Value of manubriotomy in extensive thyroid surgery. 11 cases (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):475-7 (Eng. Abstr.) **(Fre)**
[Tumours of the sternum : report on 16 cases (author's transl)] Dartevelle P, et al. **Chirurgie** 1981 Jun;107(7):510-6 (Eng. Abstr.) **(Fre)**
[The Brom submammary skin incision for median sternotomy (author's transl)] Tanaka T, et al. **Kyobu Geka** 1982; 35(5):375-6 (Eng. Abstr.) **(Jpn)**
[Prevention of mediastinitis after median sternotomy] Zargarli FI, et al. **Vestn Khir** 1981 Dec;127(12):16-20 (Eng. Abstr.) **(Rus)**
[Galactorrhea secondary to sternotomy. Description of a case] Alvarez Ayuso L, et al. **Rev Clin Esp** 1982 Feb 28; 164(4):267-8 **(Spa)**

STEROID-11-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-12-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-17-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID-21-HYDROXYLASE see under **STEROID HYDROXYLASES**

STEROID HYDROXYLASES

ANALYSIS

Measurement of cholesterol 7 alpha-hydroxylase activity with selected ion monitoring. Sanghvi A, et al. **J Lipid Res** 1981 May;22(4):720-4

ANTAGONISTS & INHIBITORS

Effects of cholesterol side chain cleavage inhibitors on 11 beta-hydroxylation: linkage of mitochondrial oxygenase systems. Whipple CA, et al. **Steroids** 1981 Jun;37(6):673-9

BIOSYNTHESIS

Cell-free synthesis of precursor forms of mitochondrial steroid hydroxylase enzymes of the bovine adrenal cortex. Kramer RE, et al. **Arch Biochem Biophys** 1982 May; 215(2):478-85
Reversible activation-inactivation of cholesterol 7alpha-hydroxylase possibly due to phosphorylation-dephosphorylation. Sanghvi A, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):886-92
Stimulation in vivo of testicular 7 alpha-hydroxylase activity in immature rats by LH and hCG. Sunde A, et al. **J Steroid Biochem** 1982 Jul;17(1):77-84

BLOOD

Cholanoic acids and cholesterol 7-alpha-hydroxylase activity in human leucocytes. Dodd NK, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):385-9

DEFICIENCY

Steroid spectrum in human urine as revealed by gas chromatography. IV. Changes in the exception of 16-oxygenated neutral steroids by children with 21-hydroxylase deficiency during different stages of development. Kecskés L, et al. **Acta Biochim Biophys Acad Sci Hung** 1981;16(1-2):57-75
17 alpha-hydroxylase deficiency syndrome associated with bilateral streak gonads and impaired development of Müllerian ducts derivatives. Report of a case. de Gennes JL, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):68-76
Two cases of 17 alpha-hydroxylase deficiency--one combined with complete gonadal agenesis. Tvedegaard E, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):267-73
Defective 11 beta hydroxylation in patients with congenital adrenal hyperplasia due to 21 hydroxylase deficiency. Kolanowski J, et al. **Ann Endocrinol (Paris)** 1981 Dec; 42(6):537-8
Late-onset 21-hydroxylase deficiency mimicking idiopathic hirsutism or polycystic ovarian disease. Chrousos GP, et al. **Ann Intern Med** 1982 Feb;96(2):143-8
The diagnosis of 21-hydroxylase deficiency in a prematurely born infant on the basis of the urinary steroid excretion pattern. van der Ploeg KR, et al. **Clin Chim Acta** 1982 Apr 23;120(3):341-53
Enzymatic disorders and hypertension. Biglieri EG. **Clin Endocrinol Metab** 1981 Nov;10(3):453-63 (20 ref.)
Complement C4 allotypes in congenital adrenal hyperplasia due to 21-hydroxylase deficiency: further evidence for different allelic variants at the 21-hydroxylase locus. O'Neill GJ, et al. **Clin Immunol Immunopathol** 1982 May; 23(2):312-22
Late onset adrenal hyperplasia (21-hydroxylase deficiency): 17-OH progesterone response to ACTH stimulation and HLA typing. A family study. Kauschansky A, et al. **Horm Res** 1981;14(2):73-8
Heterozygotes and cryptic patients in families of patients with congenital adrenal hyperplasia (21-hydroxylase deficiency). HLA and glyoxalase I typing and hormonal studies. Petersen KE, et al. **Horm Res** 1982;16(3):151-9
Dexamethasone-suppressible hypercorticosteronism in two 46,XX subjects with ambiguous genitalia and ovarian cysts. Partial defect of 17 alpha-hydroxylase or 17-20-desmolase. Roger M, et al. **Horm Res** 1982 Jan-Feb;16(1):23-31
Clinical variability of congenital adrenal hyperplasia due to 11 beta-hydroxylase deficiency. Rösler A, et al. **Horm Res** 1982;16(3):133-41
The biochemical basis for genotyping 21-hydroxylase deficiency. New MI, et al. **Hum Genet** 1981;58(1):123-7
17 alpha-hydroxylase deficiency in a genetic male and female sibling pair. Sills IN, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):473-9
Late-onset type of 21-hydroxylase deficiency in childhood. Roitman A, et al. **Isr J Med Sci** 1982 Jul;18(7):763-8
The zonal origins of the mineralocorticoid hormones in the 21-hydroxylation deficiency of congenital adrenal hyperplasia. Biglieri EG, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):964-9
The unique patterns of plasma aldosterone and 18-hydroxycorticosterone concentrations in the 17 alpha-hydroxylase deficiency syndrome. Kater CE, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):295-302
Genetic and hormonal characterization of cryptic 21-hydroxylase deficiency. Levine LS, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1193-8
Neonatal screening for 21-hydroxylase deficiency: a microfilter paper method for 17-alpha-hydroxyprogesterone assay. Piazzi S, et al. **J Endocrinol Invest** 1982 Mar-Apr;5(2):87-90
Hormonal profiles of heterozygotes in humans for 21-hydroxylase deficiency defined by HLA B typing. Bercovici JP, et al. **J Steroid Biochem** 1981 Oct; 14(10):1049-54
Identification of 15 beta-hydroxylated C21 steroids in the neo-natal period: the role of 3 alpha,15 beta,17 alpha-trihydroxy-5 beta-pregnan-20-one in the perinatal diagnosis of congenital adrenal hyperplasia (CAH) due to a 21-hydroxylase deficiency. Joannou GE. **J Steroid Biochem** 1981 Sep;14(9):901-12
Testicular in vitro conversion of progesterone to testosterone and androstenedione in 17 alpha-hydroxylase deficiency. Salti IS, et al. **J Steroid Biochem** 1982 Aug;17(2):155-7
Increased urinary excretion of total 16 alpha-hydroxypregnenolone in newborn infants with congenital adrenal hyperplasia due to 21-hydroxylase deficiency. Homoki J, et al. **Klin Wochenschr** 1982 Apr 15;60(8):407-10
Hypokalemic myopathy associated with 17 alpha-hydroxylase deficiency: a case report. Yazaki K, et al. **Neurology (NY)** 1982 Jan;32(1):94-7
A genetic male patient with 17 alpha-hydroxylase deficiency. Jones HW Jr, et al. **Obstet Gynecol** 1982 Feb;59(2):254-9
Prenatal diagnosis of congenital adrenal hyperplasia (21-OH deficiency type) by HLA typing. Couillin P, et al. **Prenatal Diagn** 1981 Jan;1(1):25-33
Prenatal diagnosis of congenital adrenal hyperplasia (CAH) due to 21-hydroxylase deficiency by steroid analysis in the amniotic fluid of mid-pregnancy: comparison with HLA typing in 17 pregnancies at risk for CAH. Forest MG, et al. **Prenatal Diagn** 1981 Jul;1(3):197-207
HLA and 21 hydroxylase deficiency (congenital and late onset adrenal hyperplasia) in the French population. Couillin P, et al. **Tissue Antigens** 1982 Feb;19(2):100-7
[21-hydroxylase deficit revealed by hyperkalemia in the absence of renal failure in an insulin-dependent diabetic (author's transl)] Wechsler B, et al. **Ann Med Interne (Paris)** 1981;132(4):241-5 (Eng. Abstr.) **(Fre)**
[Linkage between congenital adrenal hyperplasia with 21-hydroxylase deficiency and HLA histocompatibility groups] Cruz-Marin F, et al. **J Genet Hum** 1981 Mar; 29(1):103-13 **(Fre)**
[Research on hirsutism. Apropos of a case of partial 21-hydroxylase deficiency (letter)] Gheron G. **Nouv Presse Med** 1981 Oct 24;10(38):3163 **(Fre)**
[Adrenal enzymatic block detected after the menopause (letter)] Guillausseau PJ, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1147-8 **(Fre)**
[Late discovery of female pseudo-hermaphroditism by complete blockade 21-hydroxylase (author's transl)] Heim J, et al. **Nouv Presse Med** 1981 Dec 26;10(47):3841-3 (Eng. Abstr.) **(Fre)**
[Congenital virilizing adrenal hyperplasia due to 11 beta-hydroxylase deficiency. Study of eleven cases (author's transl)] Dunand A, et al. **Sem Hop Paris** 1981 Sep 18-25;57(33-36):1392-7 (49 ref.) (Eng. Abstr.) **(Fre)**
[A case of 17 alpha-hydroxylase deficiency with long stature and epileptic cramps (author's transl)] Ono Y. **Horumon To Rinsho** 1982 Apr;30(4):353-7 **(Jpn)**

ISOLATION & PURIFICATION

Characterization of the ferredoxin Component of the steroid 15 beta-hydroxylases system from Bacillus megaterium. Berg A. **Biochem Biophys Res Commun** 1982 Mar 15; 105(1):303-11
Identification of rabbit microsomal cytochrome P-450 isozyme, form 1, as a hepatic progesterone 21-hydroxylase. Dieter HH, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):515-20
Purification of cytochrome P-450D1 alpha (25-hydroxyvitamin D3-1 alpha-hydroxylase) of bovine kidney mitochondria. Hiwatashi A, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):320-7
Reconstitution of cholesterol 7 alpha-hydroxylase system from human liver microsomes. Ahlsten M, et al. **Biochem Med** 1981 Dec;26(3):307-13
Cholesterol 7 alpha-hydroxylase of rat liver. Studies on the solubilisation, resolution and reconstitution of the enzyme complex. Ozasa S, et al. **Eur J Biochem** 1981 Oct; 119(2):263-72
Purification and characterization of 7 alpha-hydroxy-4-cholesten-3-one 12 alpha-monooxygenase. Murakami K, et al. **J Biol Chem** 1982 Jul 25;257(14):8030-5
Partial purification and characterization of 5 beta-cholestane-3 alpha, 7 alpha, 12 alpha-triol and 5 beta-cholestane-3 alpha, 7 alpha-diol 27-monooxygenase. Atsuta Y, et al. **J Lipid Res** 1982 Feb;23(2):345-51

METABOLISM

The effect of dietary citrus pectin on the excretion of human fecal neutral and acid steroids and the activity of 7alpha-dehydroxylase and beta-glucuronidase. Ross JK, et al. **Am J Clin Nutr** 1981 Oct;34(10):2068-77
The simultaneous determination of the products of estrogen 2- and 4-hydroxylase action; the use of high-performance liquid chromatography with electrochemical detection. Shimada K, et al. **Anal Biochem** 1981 Sep 15;116(2):287-91
Defective 11 beta hydroxylation in patients with congenital adrenal hyperplasia due to 21 hydroxylase deficiency. Kolanowski J, et al. **Ann Endocrinol (Paris)** 1981 Dec; 42(6):537-8
Adrenal androgen excess and defective 11 beta-hydroxylation in women with idiopathic hirsutism. Guthrie GP Jr, et al. **Arch Intern Med** 1982 Apr; 142(4):729-35
Evidence for a specific cytochrome P-450 with short half-life catalyzing 7 alpha-hydroxylation of cholesterol. Danielsson H, et al. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):46-51
Influence of dietary ascorbic acid upon enzymes of sterol biosynthesis in the guinea pig. Holloway DE, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1283-9
Microsomal 11 alpha-hydroxylation of progesterone in Aspergillus ochraceus: Part I: Characterization of the hydroxylase system. Jayanthi CR, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1262-8
Integration of purified adrenocortical cytochrome P-450(11) beta into phospholipid vesicles. Lombardo A, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1638-45
Microsomal cytochrome P-450 from neonatal pig testis: two enzymatic activities (17 alpha-hydroxylase and c17,20-lyase) associated with one protein. Nakajin S, et al. **Biochemistry** 1981 Jul 7;20(14):4037-42
Increased 1,25-dihydroxyvitamin D3 synthesis in rats fed a high-phosphorus diet. Siu GM, et al. **Calcif Tissue Int** 1981; 33(6):667-72
Factors affecting the 16 alpha-hydroxylation of estrone 3-sulfate by guinea pig liver microsomes. Tsoulis CJ, et al. **Can J Biochem** 1981 Jun;59(6):454-60
Analysis of the fecal microflora and its enzymatic activity in individuals genetically predisposed to colon cancer. Keathley JD, et al. **Cancer Res** 1982 Oct;42(10):4284-8

In vivo and in vitro effects of beta-naphthoflavone on cytochrome P-450-dependent testosterone hydroxylase activities in liver microsomes. Shiverick KT. **Drug Metab Dispos** 1981 Nov-Dec;9(6):545-50

Regulation of 25 hydroxyvitamin D3 1-hydroxylase in serum-free monolayer culture of mouse kidney. Fukase M, et al. **Endocrinology** 1982 Mar;110(3):1073-5

Catechol estrogen formation by brain tissue: a comparison of the release of tritium from [2-3H]estradiol with [6,7-3H]2-hydroxyestradiol formation from [6,7-3H]estradiol by rabbit hypothalami in vitro. Hersey RM, et al. **Endocrinology** 1981 Dec;109(6):1902-11

Catechol estrogen formation by brain tissue: characterization of a direct product isolation assay for estrogen-2- and 4-hydroxylase activity and its application to studies of 2- and 4-hydroxyestradiol formation by rabbit hypothalamus. Hersey RM, et al. **Endocrinology** 1981 Dec;109(6):1912-20

Parathyroid hormone stimulates mammalian renal 25-hydroxyvitamin D3-1 alpha-hydroxylase in vitro. Kremer R, et al. **Endocrinology** 1982 Jan;110(1):294-6

Differential steroidogenic enzyme activities in different populations of rat Leydig cells. O'Shaughnessy PJ, et al. **Endocrinology** 1981 Oct;109(4):1061-6

Ontogenic development of steroid 16 alpha-hydroxylase as a tool for the study of the multiplicity of cytochrome P-450. Pasleau F, et al. **Eur J Biochem** 1981 Nov; 120(2):213-20

Evidence for circadian rhythms in the serum levels of the vitamin D-dependent calcium-binding protein and in the activity of the 25-hydroxyvitamin D3-1-alpha-hydroxylase in the chick: studies on the mode of action of calciferol. Miller B, et al. **FEBS Lett** 1982 May 17;141(2):242-4

Hepatic vitamin D 25-hydroxylase: inhibition by bile duct ligation or bile salts. Bolt MJ, et al. **Hepatology** 1981 Sep-Oct;1(5):436-40

Kinetics of rat liver microsomal estrogen 2-hydroxylase. Evidence for sex differences at initial velocity conditions. Brueggemeier RW. **J Biol Chem** 1981 Oct 25; 256(20):10239-42

Presence of 25-hydroxyvitamin D3 and 1,25-dihydroxyvitamin D3 24-hydroxylase in vitamin D target cells of rat yolk sac. Danan JL, et al. **J Biol Chem** 1982 Sep 25;257(18):10715-21

Functional and structural polymorphism of rabbit microsomal cytochrome P-450 form 3b. Dieter HH, et al. **J Biol Chem** 1982 Aug 25;257(16):9315-23

Rat liver cholesterol 7 alpha-hydroxylase. Modulation of enzyme activity by changes in phosphorylation state. Goodwin CD, et al. **J Biol Chem** 1982 Apr 25; 257(8):4469-72

Steroid enzyme activities in extraadrenal pheochromocytomas. Carballeira A, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):619-24

Formation of deoxycorticosterone from progesterone in extraadrenal tissues: demonstration of steroid 21-hydroxylase activity in human aorta. Casey ML, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):804-6

Parathyroid hormone effects on serum 1,25-dihydroxyvitamin D levels in patients with X-linked hypophosphatemic rickets: evidence for abnormal 25-hydroxyvitamin D-1-hydroxylase activity. Lyles KW, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):638-44

Assessment of 25-hydroxyvitamin D 1 alpha-hydroxylase reserve in postmenopausal osteoporosis by administration of parathyroid extract. Riggs BL, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):833-5

Metabolic acidosis suppresses 25-hydroxyvitamin D3-1alpha-hydroxylase in the rat kidney. Distinct site and mechanism of action. Kawashima H, et al. **J Clin Invest** 1982 Jul;70(1):135-40

Regulation of extraadrenal steroid 21-hydroxylase activity. Increased conversion of plasma progesterone to deoxycorticosterone during estrogen treatment of women pregnant with a dead fetus. MacDonald PC, et al. **J Clin Invest** 1982 Feb;69(2):469-78

Cholesterol 7 alpha-hydroxylase from human liver: partial purification and reconstruction into defined phospholipid-cholesterol vesicles. Erickson SK, et al. **J Lipid Res** 1981 Jul;22(5):872-6

Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase: reversible inactivation by ATP + Mg2+ and a cytosolic activator. Kwok CT, et al. **J Lipid Res** 1981 May;22(4):580-9

Regulation of rat liver microsomal cholesterol 7 alpha-hydroxylase: presence of a cytosolic activator. Kwok CT, et al. **J Lipid Res** 1981 May;22(4):570-9

Side chain hydroxylation of C27-steroids and vitamin D3 by a cytochrome P-450 enzyme system isolated from human liver mitochondria. Oftebro H, et al. **J Lipid Res** 1981 Nov;22(8):1254-64

Cofactor requiremets for 7 alpha-dehydroxylation of cholic and chenodeoxycholic acid in cell extracts of the intestinal anaerobic bacterium, Eubacterium species V.P.I. 13708. White BA, et al. **J Lipid Res** 1981 Aug;22(6):891-8

Regulation and its refractoriness of 25-hydroxyvitamin D3 metabolism in vitamin D deficiency. Takahashi N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):429-37

Effects of troleandomycin administration on cholesterol 7 alpha-hydroxylase activity and bile secretion in rats. Le Dafniet M, et al. **J Pharmacol Exp Ther** 1981 Nov; 219(2):558-62

Effects of age and 1,4,6-androstatriene-3,17-dione on activities of hCG-induced 19-hydroxylase and aromatase of rat testes. Inano H, et al. **J Steroid Biochem** 1982 Aug; 17(2):181-4

Properties of NADH-dependent estradiol 2-hydroxylase in rat liver. Numazawa M, et al. **J Steroid Biochem** 1982 Aug; 17(2):231-6

C-19-steroid 7 alpha-hydroxylation by rat testes. Isolation and identification of: 7 alpha, 17 beta-dihydroxy-5 alpha-androstan-3-one, 5 alpha-androstan-3 alpha, 7 alpha, 17 beta-triol and 5 alpha-androstane-3 beta, 7 alpha, 17 beta-triol. Sunde A, et al. **J Steroid Biochem** 1982 Jul; 17(1):85-8

Ethanol reduces hepatic estrogen-2-hydroxylase activity in the male rat. Hoffman AR, et al. **Life Sci** 1981 Aug 24; 29(8):789-94

Biohydrogenation of cholesterol as an index of bacterial 7 alpha-dehydroxylase activity. Huang CT, et al. **Lipids** 1981 Sep;16(9):670-6

25-hydroxycholecalciferol-1-hydroxylase activity in heat stressed laying hens. Bailey CA, et al. **Poult Sci** 1982 Mar; 61(3):586-8

Rabbit hepatic progesterone 21-hydroxylase exhibits a bimodal distribution of activity. Dieter HH, et al. **Science** 1982 Aug 20;217(4561):741-3

Steroid 17 alpha-hydroxylase activity of ovarian granulosa cells from hypophysectomized immature rats treated with pregnant mare's serum gonadotropin (PMS). Johnson DC, et al. **Steroids** 1981 Nov;38(5):581-92

17-Hydroxyprogesterone metabolism in the monkey fetal adrenal: C17-20lyase and 21-hydroxylase activities. Sholl SA. **Steroids** 1981 Aug;38(2):221-8

Regulation of steroid 16alpha-hydroxylation in Streptomyces olivoviridis. Długoński J, et al. **Z Allg Mikrobiol** 1981; 21(7):499-506

Pseudo vitamin D deficiency rickets in pigs: in vitro measurements of renal 25-hydroxycholecalciferol-1-hydroxylase activity. Winkler I, et al. **Zentralbl Veterinarmed [A]** 1982 Mar; 29(2):81-8

[Effect of postnatal administration of a microsomal enzyme inducer on development of their activity during early mouse ontogeny] Manankova NM, et al. **Ontogenez** 1981; 12(1):90-3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Vitamin D3 and its metabolical products] Abe E, et al. **Nippon Rinsho** 1981 Sep;39(9):3035-8 **(Jpn)**

STEROID ISOMERASES see under **ISOMERASES**

STEROID MONOOXYGENASES see **STEROID HYDROXYLASES**

STEROID RECEPTORS see **RECEPTORS, STEROID**

STEROIDS

Facile synthesis of spin labelled steroids by esterification. Kirley TL, et al. **J Steroid Biochem** 1982 Jan;16(1):133-4

Synthesis of 3,4-13C2-steroids. Yuan SS. **Steroids** 1982 Mar; 39(3):279-89

ADMINISTRATION & DOSAGE

Effective control of cisplatin-induced nausea using high-dose steroids and droperidol. Mason BA, et al. **Cancer Treat Rep** 1982 Feb;66(2):243-5

Acute rejection and steroid dosage in renal transplantation. Lee EJ, et al. **Singapore Med J** 1981 Oct;22(5):288-90

ADVERSE EFFECTS

Pulmonary fat embolization in the immunocompromised patient: its relationship to steroid medication. Pastore L, et al. **Am J Surg Pathol** 1982 Jun;6(4):315-22

Controls needed to assess effects of steroids on mitochondria [letter] Brenner BE. **Ann Emerg Med** 1981 Nov; 10(11):613-4

Salicylates, steroids and benign gastrocolic fistula. Leach RD, et al. **Br J Clin Pract** 1981 Sep;35(9):338-40

Osteonecrosis of metacarpal and metatarsal heads following renal transplantation [letter] Resnick D. **Br J Radiol** 1982 Jun;55(654):463

Complications of steroid therapy. Greenwald RA. **Del Med J** 1981 Sep;53(9):451-60

Racial differences in the incidence of steroid diabetes in renal transplant patients. Dumler F, et al. **Henry Ford Hosp Med J** 1982;30(1):14-16

Spinal injection of steroids [letter] **Med J Aust** 1981 Dec 12-26;2(12-13):642

ANALYSIS

A liquid scintillation counting method that allows recovery of compounds in high yield for further analysis. Saffhill R. **Anal Biochem** 1981 Jun;114(1):28-31

Fecal steroid metabolites and breast cancer risk. Papatestas AE, et al. **Cancer** 1982 Mar 15;49(6):1201-5

Multivariate and univariate optimization studies of liquid-chromatographic separation of steroid mixtures. Fast DM, et al. **Clin Chem** 1982 Mar;28(3):444-8

Enzymatic estimation of steroids in subpicomole quantities by hydroxysteroid dehydrogenases and nicotinamide nucleotide cycling. Payne DW, et al. **J Biol Chem** 1982 Jan 25;257(2):633-42

Constituents of human meconium: II. Identification of steroidal acids with 21 and 22 carbon atoms. St Pyrek J, et al. **Lipids** 1982 Mar;17(3):241-9

Hormones in human amniotic fluid. Schindler AE. **Monogr Endocrinol** 1982;21:1-158 (435 ref.)

Colorimetric determination of some ethinyl steroids in pharmaceutical preparations. Belal S, et al. **Pharmazie** 1982 Apr;37(4):297-8

Digoxin-like immunoreactivity of certain steroid and other hormones. Schreiber V, et al. **Physiol Bohemoslov** 1981; 30(6):569-71

[Steroids of human thymi (author's transl)] Reisch J, et al. **Z Naturforsch [C]** 1981 Nov-Dec;36(11-12):1086-7 (Eng. Abstr.) **(Ger)**

[Effect of iatrogenic pseudopregnancy on various hormone levels in the polycystic ovary syndrome. Differences between patients with or without galactorrhea] Reid I, et al. **Rev Chil Obstet Ginecol** 1979;44(6):270-9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Receptor-mediated gonadotropin action in the ovary. Demonstration of acute dependence of rat luteal cells on exogenously supplied steroid precursor (sterols) for gonadotropin-induced steroidogenesis. Azhar S, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):362-75

Characterization of the desensitized state of Leydig tumor cells. Segaloff DL, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):351-8

Danazol activity [letter] Daniel GR. **Cancer Chemother Pharmacol** 1981;6(1):101

HCG-stimulation of testicular steroidogenesis during induced hyper- and hypoprolactinaemia in man. Martikainen H, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):227-34

The effect of temperature on steroid biosynthesis by testes of the dogfish, Scyliorhinus caniculus. Kime DE, et al. **Comp Biochem Physiol [B]** 1982;71(4):675-9

Synthesis of steroids in postimplantation mouse embryos cultured in vitro. Carson DD, et al. **Dev Biol** 1982 Jun; 91(2):402-12

The role of tubulin in the steroidogenic response of murine adrenal and rat Leydig cells. Clark MA, et al. **Endocrinology** 1981 Dec;109(6):2261-3

Modifications of the steroidogenic pathway during spontaneous and adrenocorticotropin-induced maturation of ovine fetal adrenal. Durand P, et al. **Endocrinology** 1982 Feb;110(2):500-5

Contribution of subunits to the function of luteinizing hormone/human chorionic gonadotropin recombinants. Strickland TW, et al. **Endocrinology** 1981 Dec; 109(6):1933-42

Development of steroidogenesis in the right gonad of domestic fowl masculinized by left ovariectomy. Reyss-Brion M, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):68-74

Sex differences in steroidogenesis by adrenal homogenates of adult possum (Trichosurus vulpecula) attributable to the steroids formed by the adrenocortical special zone of the female. Weiss M, et al. **Gen Comp Endocrinol** 1982 Feb; 46(2):168-75

In vitro studies of enzymatic activities in human adrenal tumors. Degenhart HJ, et al. **Horm Res** 1982;16(2):96-9

Gonadotropin-induced receptor regulation and steroidogenic lesions in cultured Leydig cells. Induction of specific protein synthesis by chorionic gonadotropin and estradiol. Nozu K, et al. **J Biol Chem** 1981 Dec 25;256(24):12875-82

Role of exogenous cholesterol in regulation of adrenal steroidogenesis in the rat. Verschoor-Klootwyk AH, et al. **J Biol Chem** 1982 Jul 10;257(13):7666-71

Effects of in-vivo administration of sex hormones on luteinizing hormone-stimulated steroid accumulation by isolated rabbit ovarian follicles. Younglai EV. **J Endocrinol** 1981 Dec;91(3):495-500

Effects of ascorbic acid on in vitro steroidogenesis in guinea pigs. Pintauro SJ, et al. **J Nutr** 1982 Mar;112(3):584-91

Receptor mediated gonadotropin action in gonadal tissues: relationship between blood cholesterol levels and gonadotropin stimulated steroidogenesis in isolated rat Leydig and luteal cells. Azhar S, et al. **J Steroid Biochem** 1982 Feb;16(2):175-84

Inhibition of dibutyryl cyclic AMP induced steroidogenesis in rat adrenocortical cells by the putative calcium antagonist TMB-8. Garcia R, et al. **J Steroid Biochem** 1982 Feb;16(2):317-22

Rapid and slow response of human testicular steroidogenesis to hCG by measurements of steroids in spermatic and peripheral vein blood. Martikainen H, et al. **J Steroid Biochem** 1982 Feb;16(2):287-91

Regulation of steroidogenesis and steroid action in Leydig cells. Purvis K, et al. **J Steroid Biochem** 1981 Dec;15:77-86 (105 ref.)

Impaired steroidogenesis in the luteal phase of the reproductive cycle and during pregnancy in rhesus monkeys immunized with the beta-subunit of ovine luteinizing hormone. Spinola PG, et al. **J Steroid Biochem** 1982 Feb;16(2):151-6

Effect of beta-endorphin on the steroid production of isolated zona glomerulosa and zona fasciculata cells. Szalay KS, et al. **Life Sci** 1981 Sep 28;29(13):1355-61

Tamoxifen inhibits Leydig cell steroidogenesis: in vivo and

in vitro studies. Lin T, et al. **Metabolism** 1982 Jun; 31(6):543–7

Inhibition of steroidogenesis in isolated rat adrenal cells by glutethimide congeners. Aboul-Enein HY, et al. **Methods Find Exp Clin Pharmacol** 1980 Apr;2(2):71–6

Modulation of FSH-controlled steroidogenesis in rat granulosa cells: direct in-vitro effects of LHRH and ICI-118630. Hillier SG, et al. **Mol Cell Endocrinol** 1981 Aug;23(2):193–205

Long-lived cytoplasmic factors that suppress adrenal steroidogenesis. Clark MA, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1144–8

Effect of prostaglandins and human chorionic gonadotropin on steroidogenesis by proestrous rat ovary in vitro. Kato K. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):579–92

BLOOD

Delipidation of serum does not affect radioimmunoassay of steroids [letter] Wheaton R, et al. **Clin Chem** 1981 Oct; 27(10):1776–7

Studies on ovarian and adrenal steroids at different phases of the menstrual cycle: II. A comparative assessment of the circadian variation in steroid and lutropin levels during the follicular, periovulatory and luteal phases. Aedo AR, et al. **Contraception** 1981 Apr;23(4):407–24

The significance of drug interactions with human TeBG and CBG under physiological conditions: a new approach. Pugeat MM, et al. **J Steroid Biochem** 1981 Dec;15:487–90

Steroid section patterns of a hilus cell tumor of the ovary. Nagamani M, et al. **Obstet Gynecol** 1981 Oct;58(4):521–7

IMMUNOLOGY

Rabbit anti-steroid antisera: a study of titers and specificities over a 22-week period. Whittaker PG, et al. **Experientia** 1981 Nov 15;37(11):1203–4

ISOLATION & PURIFICATION

Extraction of steroids from plasma with reversed phase C18 cartridges. Cannell GR, et al. **Clin Chim Acta** 1982 Jul 15; 122(3):419–23

Group separation of steroid conjugates by DEAE-Sephadex anion exchange chromatography. Fotsis T, et al. **J Steroid Biochem** 1981 May;14(5):457–63

High performance liquid chromatography of steroid metabolites in the pregnenolone and progesterone pathways. Kessler MJ. **Steroids** 1982 Jan;39(1):21–32

METABOLISM

The effect of rolled oats on blood lipids and fecal steroid excretion in man. Judd PA, et al. **Am J Clin Nutr** 1981 Oct;34(10):2061–7

The effect of dietary citrus pectin on the excretion of human fecal neutral and acid steroids and the activity of 7alpha-dehydroxylase and beta-glucuronidase. Ross JK, et al. **Am J Clin Nutr** 1981 Oct;34(10):2068–77

Adaptive effects of dietary ethanol in the pig: changes in plasma high-density lipoproteins and fecal steroid excretion and mutagenicity. Topping DL, et al. **Am J Clin Nutr** 1982 Aug;36(2):245–50

Differences between the molecular interactions of agonists and antagonists with the glucocorticoid receptor. Degelaen J, et al. **Ann Endocrinol (Paris)** 1981 Jul-Sep;42(3):282–3

Effects of treated municipal wastewater on the hepatic, xenobiotic, and steroid metabolism in trout. Förlin L, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):41–8

The possible involvement of intestinal bacteria in steroidal hypertension. Honour J. **Endocrinology** 1982 Jan; 110(1):285–7

Short term organ culture of human breast tumour tissue and its application in studies of steroid metabolism. Duncan JN, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1133–42

Quantitative analysis of steroid autoradiograms. Arnold AP. **J Histochem Cytochem** 1981 Jan;29(1A Suppl):207–11

Combined autoradiography and immunohistochemistry for simultaneous localization of radioactively labeled steroid hormones and antibodies in the brain. Sar M, et al. **J Histochem Cytochem** 1981 Jan;29(1A Suppl):161–6

Effects of hypocholesterolemia and chronic hormonal stimulation on sterol and steroid metabolism in a Leydig cell tumor. Ascoli M. **J Lipid Res** 1981 Nov;22(8):1247–53

Molecular details of receptor binding and hormonal action of steroids derived from X-ray crystallographic investigations. Duax WL, et al. **J Steroid Biochem** 1981 Dec;15:41–7

Effect of ACTH on the subcellular distribution of steroids in the adrenal gland. Holzbauer M. **J Steroid Biochem** 1981 Nov;14(11):1189–95

The plasma membrane as an additional level of steroid-cell interaction. Nenci I, et al. **J Steroid Biochem** 1981 Dec; 15:231–4

Steroid-binding specificity of the progesterone receptor from rat placenta. Ogle TF, et al. **J Steroid Biochem** 1982 Feb; 16(2):147–50

Some theoretical questions of the peptide and steroid hormone regulation. Part I.: The receptor-steroid variable complex (RSVC) hypothesis of genetic regulation. Biró J. **Med Hypotheses** 1982 Jun;8(6):543–64

Steroid structural requirements for high affinity binding to human sex steroid binding protein (SBP). Cunningham GR, et al. **Steroids** 1981 Sep;38(3):243–62

[Degradation of steroids by microorganisms. XVII. 11 beta- and 12 beta-hydroxylation of (20S)-20-carboxy-1,4-pregnadien-3-one by Cochliobolus lunatus] Hörhold C, et al. **Z Allg Mikrobiol** 1981; 21(4):289–93 **(Ger)**

PHARMACODYNAMICS

Gonadal steroid action on the brain: neurochemistry and neuropharmacology. McEwen BS, et al. **Annu Rev Pharmacol Toxicol** 1982;22:555–98 (244 ref.)

Inactivation of delta 5-3-oxo steroid isomerase with active-site-directed acetylenic steroids. Penning TM, et al. **Biochem J** 1981 Jan 1;193(1):217–27

Inhibition of steroid-mediated induction of delta-aminolevulinic acid synthase by 2-diethylaminoethyl-2,2-diphenylvalerate HCl (SKF 525-A). Lane SE, et al. **Biochim Biophys Acta** 1982 May 27;716(2):117–25

Enzymatic sulfation of steroids. XVI. Very rapid effects of steroid hormones on hepatic cortisol sulfation in intact male rats. Singer SS, et al. **Biochim Biophys Acta** 1981 Nov 23; 666(2):212–5

Insulin-like action of endotoxin: antagonism by steroidal and nonsteroidal anti-inflammatory agents. Witek-Janusek L, et al. **Circ Shock** 1981;8(5):573–83

Effects of steroids on the in vitro forward migration of human spermatozoa. Cheng CY, et al. **Contraception** 1981 Aug; 24(2):183–94

Effect of anabolic steroids on lipogenic and lipolytic enzymes in sheep tissues. Burch L, et al. **Horm Metab Res** 1982 Jan;14(1):52–3

Steroid-induced vasoconstriction: glucocorticoid antagonist studies. Marks R, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):1075–7

Inhibition of basophil histamine release by anti-inflammatory steroids. II. Studies on the mechanism of action. Schleimer RP, et al. **J Immunol** 1982 Oct;129(4):1632–6

Proceedings of the Fifth International Symposium of the Journal of Steroid Biochemistry. **J Steroid Biochem** 1981 Dec;15:1–500

Effect of steroids on viral infection of human breast cancer cell lines by adenovirus 5. Chouvet C, et al. **J Steroid Biochem** 1981 Dec;15:269–74

Steroid modulation of in vitro prostaglandin secretion by human thymic epithelium. Homo F, et al. **J Steroid Biochem** 1981 Dec;15:349–54

Specificity and nature of the rapid steroid-stimulated increase in Sertoli cell nuclear RNA polymerase activity. Lamb DJ, et al. **J Steroid Biochem** 1982 May;16(5):653–69

Towards a new model for the mechanism of action of steroids. Martin PM, et al. **J Steroid Biochem** 1982 Feb; 16(2):215–29

The effects of sex steroid and corticosteroid hormones on bone. Nordin BE, et al. **J Steroid Biochem** 1981 Dec; 15:171–4

Immunochemical evidence for induction of a common form of hepatic cytochrome P-450 in rats treated with pregnenolone-16 alpha-carbonitrile or other steroidal or non-steroidal agents. Heuman DM, et al. **Mol Pharmacol** 1982 May;21(3):753–60

Inhibition of interferon-mediated induction of indoleamine 2,3-dioxygenase in mouse lung by inhibitors of prostaglandin biosynthesis. Sayama S, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7327–30

Prostaglandin secretion by human thymic epithelium: in vitro effects of steroids. Homo F, et al. **Prostaglandins** 1981 Sep; 22(3):377–85

[Electron microscopic studies of age related changes and changes after topical application of steroid in hairy and hairless mice (author's transl)] Izutani K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):763–9 **(Jpn)**

[Steroid hormones and the regulation of mitochondrial function (a review of the literature)] Denisov IuP. **Farmakol Toksikol** 1981 Jul-Aug;44(4):500–6 (58 ref.) **(Rus)**

[Effect of transformed steroid compounds on mRNA synthesis and glucocorticoid-receptor interaction in thymocytes of adrenalectomized rats] Golikov PP, et al. **Farmakol Toksikol** 1982 Mar-Apr;45(2):89–93 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Neurotransmitter modulation of steroid action in target cells that mediate reproduction and reproductive behavior. Nock B, et al. **Neurosci Biobehav Rev** 1981 Winter; 5(4):437–47

Ovarian steroids and pituitary function in some experimental animals and in man. Attia MA. **Rev Pure Appl Pharmacol Sci** 1980 Oct-Dec;1(4):327–41 (101 ref.)

SECRETION

Studies on ovarian and adrenal studies at different phases of the menstrual cycle. IV. The effect of dexamethasone suppression and subsequent ACTH stimulation at different phases of the menstrual cycle and following the administration of 150 mg of depot-medroxy-progesterone acetate (DMPA). Aedo AR, et al. **Contraception** 1981 Nov; 24(5):543–58

Steroid secretion by sexually immature rat and rabbit testes perfused in vitro. Chubb C, et al. **Endocrinology** 1981 Dec; 109(6):1999–2003

THERAPEUTIC USE

Budesonide – a new steroid for intranasal use. A double-blind clinical comparison between budesonide and placebo in patients with seasonal allergic rhinitis. Warland A, et al. **Allergy** 1981 Aug;36(6):425–8

Comparison of aggressive and conservative management of premature rupture of fetal membranes. Barrett JM, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):12–6

Presumed juvenile xanthogranuloma of the iris and ciliary body in an adult. Bruner WE, et al. **Arch Ophthalmol** 1982 Mar;100(3):457–9

Depression of lymphocyte blastogenesis in steroid-treated rheumatoid arthritis [letter] Chinen Y, et al. **Arthritis Rheum** 1982 Jun;25(6):713

Short-term double-blind evaluation of flunisolide aerosol for steroid-dependent asthmatic children and adolescents. Shapiro GG, et al. **Chest** 1981 Dec;80(6):671–5

Use of anabolic agents in treatment of short children. Kelley VC, et al. **Clin Endocrinol Metab** 1982 Mar;11(1):25–39

Neonatal hepatitis. Chawla V, et al. **East Afr Med J** 1981 Jun;58(6):451–5

Double-blind multicentre, between patients comparison of indoprofen and indomethacin in rheumatoid arthritis patients under basic steroid treatment. del Campo JB. **Eur J Rheumatol Inflamm** 1981;4(1):135–43

Further observations on the diagnosis and management of carotidynia. Feit H. **Headache** 1982 Mar;22(2):86–8

Optic nerve blindness following blunt forehead trauma. Anderson RL, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):445–55

[Steroid withdrawal syndrome. A current problem of outpatient medicine] Studer H, et al. **Schweiz Med Wochenschr** 1981 Oct 3;111(40):1462–7 (Eng. Abstr.) **(Ger)**

TOXICITY

Peripheral nerve injection injury with steroid agents. Mackinnon SE, et al. **Plast Reconstr Surg** 1982 Mar; 69(3):482–90

URINE

The diagnosis of 21-hydroxylase deficiency in a prematurely born infant on the basis of the urinary steroid excretion pattern. van der Ploeg KR, et al. **Clin Chim Acta** 1982 Apr 23;120(3):341–53

Investigation of urinary steroid profiles as a diagnostic method in Cushing's syndrome. Phillipou G. **Clin Endocrinol (Oxf)** 1982 May;16(5):433–9

Automated qualitative and quantitative metabolic profiling analysis of urinary steroids by a gas chromatography-mass spectrometry-data system. Vrbanac JJ, et al. **J Chromatogr** 1982 Apr 30;239:265–76

STEROIDS, BROMINATED

Controlled alkaline hydrolysis of steroidal alpha-bromoketones: new conditions and synthesis of 2 alpha-hydroxy-3-ones. Numazawa M, et al. **Steroids** 1982 Mar;39(3):345–55

CHEMICAL SYNTHESIS

Synthesis of dehydroepiandrosterone sulfatide and 16 alpha-halogenated steroids. Abou-Gharbia M, et al. **J Pharm Sci** 1981 Oct;70(10):1154–7

PHARMACODYNAMICS

Chemical modification of membrane proteins by brominated taurodehydrocholate in isolated hepatocytes; relationship to the uptake of cholate and of phalloidin and to the sensitivity of hepatocytes to phalloidin. Ziegler K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):254–61

STEROIDS, HETEROCYCLIC

Right-handed alternating DNA conformation: poly(dA-dT) adopts the same dinucleotide repeat with cesium, tetraalkylammonium, and 3 alpha, 5 beta, 17 beta-dipyrrolidinium steroid dimethiodide cations in aqueous solution. Patel DJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4063–7

CHEMICAL SYNTHESIS

Synthesis and biological activity of brassinolide and its 22 beta, 23 beta-isomer: novel plant growth-promoting steroids. Thompson MJ, et al. **Steroids** 1981 Nov; 38(5):567–80

Synthesis of brassinosteroids and relationship of structure to plant growth-promoting effects. Thompson MJ, et al. **Steroids** 1982 Jan;39(1):89–105

PHARMACODYNAMICS

A steroid derivative, R 5135, antagonizes the GABA/benzodiazepine receptor interaction. Hunt P, et al. **Neuropharmacology** 1981 Apr;20(4):357–61

Effects of branched and straight chain amines and azasteroids

on blood and egg cholesterol of White Leghorn chickens. Cecil HC, et al. **Poult Sci** 1981 Apr;60(4):795–804

Biological activities of a new steroidal inhibitor of delta 4–5 alpha–reductase. Brooks JR, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):67–73

Heterosteroids and drug research. Singh H, et al. **Prog Med Chem** 1979;16:35–149 (979 ref.)

Effect of a new 5 alpha–reductase inhibitor on size, histologic characteristics, and androgen concentrations of the canine prostate. Brooks JR, et al. **Prostate** 1982;3(1):35–44

THERAPEUTIC USE

Effect of a delta 5–homo–aza–steroidal ester in P388 and L1210 murine leukemias. Catsoulacos P, et al. **Oncology** 1982 Jan–Feb;39(1):59–60

STEROLS

Effect of sterol structure on acyl chain ordering in phosphatidylcholine vesicles: a deuterium nuclear magnetic resonance and electron spin resonance study. Dahl CE. **Biochemistry** 1981 Dec 8;20(25):7158–61

Equilibrium binding of amphotericin B and its methyl ester and borate complex to sterols. Readio JD, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):219–24

ANALYSIS

Some characteristics of nystatin–resistant sterol mutants of Candida albicans. Pesti M, et al. **Acta Microbiol Acad Sci Hung** 1982;29(1):55–66

Origins of neutral sterols in human feces studied by stable isotope labeling (D and 13C). Existence of an external secretion of cholesterol. Férézou J, et al. **Digestion** 1981; 21(5):232–43

beta–Hydroxysterol distribution as determined by freeze–fracture cytochemistry. Friend DS, et al. **Histochem J** 1981 Jul;13(4):535–46

Plasma–membrane diversity in a highly polarized cell. Friend DS. **J Cell Biol** 1982 May;93(2):243–9

Effects of dietary soybean globulins on plasma and liver lipids and on fecal excretion of neutral sterols in rats. Okita T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):379–88

Herbal remedies of the Maritime Indians: sterols and triterpenes of Achillea millefolium L. (Yarrow). Chandler RF, et al. **J Pharm Sci** 1982 Jun;71(6):690–3

Herbal remedies of the Maritime indians: sterols and triterpenes of Tanacetum vulgare L. (Tansy). Chandler RF, et al. **Lipids** 1982 Feb;17(2):102–6

Comparison of bile acid synthesis determined by isotope dilution versus fecal acidic sterol output in human subjects. Duane WC, et al. **Lipids** 1982 May;17(5):345–8

[Fecal excretion of neutral and acid sterols in patients with atherosclerosis with a progressive or stable course] Radmoskil VG, et al. **Vopr Med Khim** 1981;27(4):454–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Sterol biosynthesis. Schroepfer GJ Jr. **Annu Rev Biochem** 1982;51:555–85 (285 ref.)

Mode of action of terbufibrol (INN) a hypolipidemic agent on rat liver sterol synthesis. Löser R, et al. **Artery** 1982; 10(3):180–92

Relative rates of sterol synthesis in the liver and various extrahepatic tissues of normal and cholesterol–fed rabbits. Relationship to plasma lipoprotein and tissue cholesterol levels. Andersen JM, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):421–30

The in vitro metabolism of mevalonate by sterol and nonsterol pathways in neonatal chick. Aguilera JA, et al. **Comp Biochem Physiol [B]** 1982;71(4):617–21

Control of sterol metabolism in cultured rat granulosa cells. Rosenblum MF, et al. **Endocrinology** 1981 Nov; 109(5):1518–27

Potentiation of antifungal effect of amphotericin B by squalene, an intermediate for sterol biosynthesis. Masuda A, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):230–4

Inhibitors of sterol synthesis. Studies of in vitro effects of C27 15–oxygenated sterols on sterol synthesis in cell free homogenates of rat liver. Miller LR, et al. **J Biol Chem** 1982 Mar 10;257(5):2412–9

14 alpha–Ethyl–5 alpha–cholest–7–ene–3 beta,15 alpha–diol, a potent inhibitor of sterol biosynthesis, has two sites of action in cultured mammalian cells. Pinkerton FD, et al. **J Biol Chem** 1982 Feb 25;257(4):1929–36

Genetic and biochemical aspects of yeast sterol regulation involving 3–hydroxy–3–methylglutaryl coenzyme A reductase. Bard M, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):415–20

Induction of fenarimol–efflux activity in Aspergillus nidulans by fungicides inhibiting sterol biosynthesis. De Waard MA, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):483–9

Interrelationships of ubiquinone and sterol syntheses in cultured cells of neural origin. Volpe JJ, et al. **J Neurochem** 1982 Apr;38(4):931–8

Effects of phosphatidylcholines on de novo synthesis and excretion of sterol by L–929 fibroblasts. Thomaidis G, et al. **Lipids** 1982 Jun;17(6):427–33

BLOOD

Plasma methyl sterol sulfates in familial hypercholesterolemia after partial ileal bypass. Massé R, et al. **Can J Biochem** 1982 May;60(5):556–63

Diurnal variation of cholesterol precursors squalene and methyl sterols in human plasma lipoproteins. Miettinen TA. **J Lipid Res** 1982 Mar;23(3):466–73

Comparison of different components in the fractional conversion of mevalonate to cholesterol with cholesterol synthesis and serum methyl sterols. Miettinen TA, et al. **Scand J Clin Lab Invest** 1981 Sep;41(5):507–12

[Quantitative and qualitative composition of sterol from fibrinogen and erythrocyte membranes in kidney diseases] Pyrig LA, et al. **Ter Arkh** 1981;53(12):75–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

[Synthesis of steroidal haptens in radioimmunoassay (author's transl)] Oh–uchi R, et al. **Yakugaku Zasshi** 1981 Oct; 101(10):874–82 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Adrenal gland identification: preoperative assessment. Kalff V, et al. **Surgery** 1982 Apr;91(4):374–6

[Clinical values of adrenal scintigraphy by I–6–beta–iodomethyl–19–norcholesterol (123I–NCL) (author's transl)] Tateno Y, et al. **Kaku Igaku** 1982 Mar; 19(2):245–53 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Application of high–performance liquid chromatographic separation of free sterols to the screening of yeast sterol mutants. Rodriguez RJ, et al. **Anal Biochem** 1982 Jan 1; 119(1):200–4

Digitonide precipitable sterols: a reevaluation with special attention to lanosterol. Cenedella RJ. **Lipids** 1982 Jun; 17(6):443–7

METABOLISM

Cholesterol excretion studies in familial hypercholesterolemic children and their normolipidemic siblings. Zavoral JH, et al. **Am J Clin Nutr** 1982 Jun;35(6):1360–7

Influence of phospholipid structure on sterol efflux induced by albumin–phospholipid complexes. Bartholow LC, et al. **Biochemistry** 1982 Mar 16;21(6):1271–3

Sterol release in mammalian cells. The role of a liposomal–free albumin–phospholipid complex. Bartholow LC, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):40–7

Sterol metabolism in the rat. Effect of cholesterol and cholesterol–alpha–epoxide on sterol metabolism in rats fed liquid diets. Raicht RF, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):455–61

Effect of sterol structure on the transfer of sterols and phospholipids from liposomes to erythrocytes in vitro. Wharton SA, et al. **Biochim Biophys Acta** 1982 Jun 11; 711(3):398–402

Freeze–fracture cytochemistry of neuronal membranes: inhomogeneous distribution of filipin–sterol complexes in perikarya, dendrites and axons. Garcia–Segura LM, et al. **Brain Res** 1982 Feb 25;234(2):494–9

Sterol structure and membrane function. Bloch K. **Curr Top Cell Regul** 1981;18:289–99

Asymmetric transbilayer distribution of sterol across plasma membranes determined by fluorescence quenching of dehydroergosterol. Hale JE, et al. **Eur J Biochem** 1982 Mar 1;122(3):649–61

Adenovirus adsorption and sterol redistribution in KB cell plasma membrane. Hennache B, et al. **Exp Cell Res** 1982 Feb;137(2):459–63

Changes of sterol metabolism during 3–methylcholanthrene–induced mouse skin carcinogenesis. Yoshiga K, et al. **Gan** 1981 Feb;72(1):38–44

Freeze–fracture images on filipin–sterol complexes in the thyroid follicle epithelial cell of mice with special regard to absence of cholesterol at the site of micropinocytosis. Fujita H, et al. **Histochemistry** 1981;73(1):57–63

Changes in myocardial & aortic lipids, lipolytic activity & fecal excretion of sterols & bile acids in isoproterenol–induced myocardial infarction in rats. Mathew S, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):131–3

An assessment of the specificity of sterol uptake and esterification in Saccharomyces cerevisiae. Taylor FR, et al. **J Biol Chem** 1981 Dec 25;256(24):13048–54

Sterol sulfate metabolism in the adrenals of the human fetus, anencephalic newborn, and adult. Korte K, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):671–5

Membrane sterols and the development of the preimplantation mouse embryo. Pratt HP, et al. **J Embryol Exp Morphol** 1980 Dec;60:303–19

Effects of hypocholesterolemia and chronic hormonal stimulation on sterol and steroid metabolism in a Leydig cell tumor. Ascoli M. **J Lipid Res** 1981 Nov;22(8):1247–53

Steric effects at C–20 and C–24 on the metabolism of sterols by Tetrahymena pyriformis. Nes WR, et al. **J Lipid Res** 1981 Jul;22(5):770–7

Isolation and characterization of filipin–resistant LM cell variants not auxotrophic for sterol. Rintoul DA, et al. **J Lipid Res** 1982 Mar;23(3):405–9

Rates of sterol synthesis and uptake in the major organs of the rat in vivo. Turley SD, et al. **J Lipid Res** 1981 May; 22(4):551–69

Effects of Okinawan sugar cane rind on serum and liver cholesterol and triglyceride levels in the rat. Sho H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):463–70

Intramembranous cytochemistry: a perspective. Karnovsky MJ. **Lab Invest** 1982 Jun;46(6):637–9

Distribution of intramembrane particles and filipin–sterol complexes in plasma membranes of kidney. I. Corpuscle of Malpighi. Orci L, et al. **Lab Invest** 1982 Jun;46(6):545–53

Aspects of sterol metabolism in the yeast Saccharomyces cerevisiae and in Phytophthora. Parks LW, et al. **Lipids** 1982 Mar;17(3):187–96

Utilization and metabolism of dietary sterols in the honey bee and the yellow fever mosquito. Svoboda JA, et al. **Lipids** 1982 Mar;17(3):220–5

Inhibitory effects of various oxygenated sterols on the differentiation and function of tumor–specific cytotoxic T lymphocytes. Spangrude GJ, et al. **Transplantation** 1982 May;33(5):482–91

PHARMACODYNAMICS

Connective tissue responses to oxysterols. Baranowski A, et al. **Atherosclerosis** 1982 Feb;41(2–3):255–66

DNA synthesis and 3–hydroxy–3–methylglutaryl CoA reductase activity in PHA stimulated human lymphocytes: a comparative study of the inhibitory effects of some oxysterols with special reference to side chain hydroxylated derivatives. Defay R, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):362–72

Effect of the purified unsaponifiable fraction of soybean on the lipid metabolism and gallstone in mice. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Jun;30(2):85–92

Feedback regulation of 3–hydroxy–3–methylglutaryl coenzyme A reductase in vascular endothelial cells. Separate sterol and non–sterol components. Cohen DC, et al. **J Biol Chem** 1982 Sep 25;257(18):11106–12

On the uptake of nystatin by Saccharomyces cerevisiae. 2 Effects of pH, ionic strength, sterol concentration and 'protecting' ions. Beezer AE, et al. **Microbios** 1981; 31(123):7–16

Structural requirement of sterol side chain for the silkworm growth and development. Isaka Y, et al. **Steroids** 1981 Oct; 38(4):417–23

[Circular dichroism study of amphotericin B interaction with the sterols of Candida albicans strains sensitive and resistant to polyene antibiotics] Belousova II, et al. **Antibiotiki** 1982 Feb;27(2):95–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Clearance of subcutaneous implants of cholesterol in the rat promoted by oxidation products of cholesterol. A postulated role for oxysterols in preventing atherosclerosis. Krut LH. **Atherosclerosis** 1982 May;43(1):105–18

Intermembrane transfer of 5 alpha–cholest–7–en–3 beta–ol. Facilitation by supernatant protein (SCP). Ishibashi T, et al. **J Biol Chem** 1981 Dec 25;256(24):12962–7

Effects of prior sterol depletion on neurite outgrowth in neuroblastoma cells. Maltese WA, et al. **J Cell Physiol** 1981 Sep;108(3):475–82

SECRETION

Sterol efflux from mammalian cells induced by human serum albumin–phospholipid complexes. Dependence on phospholipid acyl chain length, degree of saturation, and net charge. Bartholow LC, et al. **J Biol Chem** 1982 Mar 25;257(6):3126–30

TOXICITY

Transformation of hamster embryo cells by neutral sterols and bile acids. Kelsey MI, et al. **Toxicol Lett** 1981 Oct; 9(2):177–82

STEVENS–JOHNSON SYNDROME

CHEMICALLY INDUCED

Minoxidil–induced Stevens–Johnson syndrome. DiSantis DJ, et al. **Arch Intern Med** 1981 Oct;141(11):1515

Stevens Johnson syndrome due to Diamox. Sud RN, et al. **Indian J Ophthalmol** 1981 Jul;29(2):101–3

[Ectodermosis erosiva pluri–orificialis–like reaction to piroxicam (Feldène)] Bertail MA, et al. **Ann Dermatol Venereol** 1982;109(3):261–2 **(Fre)**

[Erythema multiforme and Stevens–Johnson syndrome following diflunisal therapy (letter)] Dubois A, et al. **Nouv Presse Med** 1982 Feb 20;11(8):606–7 **(Fre)**

[Severe case of Stevens–Johnson syndrome in a 11–year–old boy] Zabel J, et al. **Wiad Lek** 1982 May 15;35(5):357–60 **(Pol)**

[Severe manifestations of drug allergy in children] Sukovatykh TN, et al. **Pediatriia** 1982 May;(5):76–7 **(Rus)**

COMPLICATIONS

Stevens–Johnson syndrome associated with adenovirus conjunctivitis. Kiernan JP, et al. **Am J Ophthalmol** 1981 Oct;92(4):543–5

Ocular involvement in the Stevens–Johnson syndrome. Rogers M, et al. **Australas J Dermatol** 1981 Dec;22(3):89–90

Vaginal stenosis due to bullous erythema multiforme (Stevens–Johnson syndrome). Case report. Graham–Brown RA, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1156–7

[Formol treatment of a palpebral epithelial cyst in Stevens-Johnson syndrome] Haut J, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):13–4 **(Fre)**
[Stevens-Johnson syndrome and Sharp syndrome. Report of a case (author's transl)] Bader C, et al. **Dermatologica** 1981; 163(5):426–9 **(Fre)**

DIAGNOSIS

Stevens-Johnson syndrome: a clinical and histological study. Magli A, et al. **Ophthalmologica** 1981;183(3):122–7
[What is your diagnosis? Stevens-Johnson syndrome] Werner GT. **Med Klin [Prax]** 1982 Feb 26;77(5):47,59 **(Ger)**
[Interrelation of erythema multiforme exudativum, the Stevens-Johnson syndrome and toxic epidermal necrolysis (Lyell's syndrome)] Anton'eva AA, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):29–30 **(Rus)**
[Erythema multiforme exudativum, the Stevens-Johnson and Lyell syndromes and their interrelation] Korolev IuF. **Vestn Dermatol Venerol** 1981 Aug;(8):44–6 **(Rus)**
[Interrelation of erythema multiforme exudativum and Lyell's and Stevens-Johnson syndromes] Soloshenko EN. **Vestn Dermatol Venerol** 1981 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Stevens-Johnson syndrome and pulmonary infection by Mycoplasma pneumonia (author's transl)] Larrègue M, et al. **Sem Hop Paris** 1982 Feb 25;58(8):478–84 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

HLA antigens in Stevens-Johnson syndrome with ocular involvement. Mondino BJ, et al. **Arch Ophthalmol** 1982 Sep;100(9):1453–4

PATHOLOGY

Stevens-Johnson syndrome. A report of fourteen pediatric cases. Nazif MM, et al. **Oral Surg** 1982 Mar;53(3):263–6
[Case of Stevens-Johnson syndrome] Shakirov RR, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):58 (Eng. Abstr.) **(Rus)**
[Baader's dermatostomatitis, a rare variety of erythema multiforme exudativum] Zorin PM, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):70–3 (Eng. Abstr.) **(Rus)**

STICKLEBACKS see under **FISHES**

STIFLE see under **HINDLIMB**

STIGMASTEROL see under **PHYTOSTEROLS**

STIGMATIZATION see **CHRISTIANITY**

STILBAMIDINES

2-hydroxystilbamidine isethionate: a new fluorochrome for use in general pathology. I. The selective staining of DNA, mucosubstances and elastic fibres. Murgatroyd LB. **Histochemistry** 1982;74(1):107–14

STILBENES

Reductive methylation of the two 4,4'-diisothiocyanodihydrostilbene-2,2'-disulfonate-bindin lysine residues of band 3, the human erythrocyte anion transport protein. Jennings ML. **J Biol Chem** 1982 Jul 10; 257(13):7554–9

BLOOD

The external anion binding site of the human erythrocyte anion transporter: DNDS binding and competition with chloride. Fröhlich O. **J Membr Biol** 1982;65(1–2):111–23

CHEMICAL SYNTHESIS

Mammary tumor inhibiting effect of 3,3'-diacetoxy-alpha, beta-dialkylstilbenes and of related stilbene oxides. Schneider MR, et al. **J Med Chem** 1982 Feb;25(2):141–5

DIAGNOSTIC USE

Acriflavine-Feulgen-Stilbene: a combined DNA-protein staining procedure. Tanke HJ, et al. **Acta Histochem [Suppl] (Jena)** 1979;20:65–8
Spectrophotometric assay for mammalian cytosolic epoxide hydrolase using trans-stilbene oxide as the substrate. Hasegawa LS, et al. **Biochem Pharmacol** 1982 Jun 1; 31(11):1979–84

METABOLISM

Mechanism of anion exchange across the red cell membrane by band 3: interactions between stilbenedisulfonate and NAP-taurine binding sites. Macara IG, et al. **Biochemistry** 1981 Sep 29;20(20):5695–701
Physical properties of estrogen receptor complexes in MCF-7 human breast cancer cells. Differences with anti-estrogen and estrogen. Eckert RL, et al. **J Biol Chem** 1982 Aug 10;257(15):8840–6
Significance of metabolic activation and binding to nucleic acids of aminostilbene derivatives in vivo. Neumann HG. **Natl Cancer Inst Monogr** 1981 Dec;(58):165–71
Determinants of nucleic acid adduct formation. Scribner JD. **Natl Cancer Inst Monogr** 1981 Dec;(58):173–81

PHARMACODYNAMICS

Changes in the matabolism of steroid hormones by the rat liver cytochrome P-450 system after induction with trans-stilbene oxide. Meijer J, et al. **Acta Chem Scand [B]** 1981;35(2):151–3
The effect of trans-stilbene oxide and other structurally related inducers of drug-metabolizing enzymes on the pentose phosphate pathway and other enzymes of carbohydrate metabolism. Seidegård J, et al. **Biochem Pharmacol** 1982 May 1;31(9):1717–21
Effect of inducers of drug-metabolizing enzymes on glutathione reductase and glutathione peroxidase in rat liver. Carlberg I, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):140–5
Modulation of the covalent binding of aryl hydrocarbon metabolites to DNA in vitro after treatment of rats and mice with trans-stilbene oxide. Lesca P, et al. **Carcinogenesis** 1981;2(10):1049–56
The effect of trans-stilbene oxide and other structurally related inducers of drug-metabolizing enzymes on glucuronidation. Seidegård J, et al. **Chem Biol Interact** 1982 May;40(1):15–25
Effects of thyrotropin, acetazolamide, 4-acetamido-4'-isothiocyanostilbene-2,2'-disulfonic acid, perchlorate, and ouabain on the distribution of iodide ion in cells and luminal fluid of turtle thyroid. Chow SY, et al. **Endocrinology** 1982 Jan;110(1):121–5
Inhibition of the purified and reconstituted calcium pump of erythrocytes by micro M levels of DIDS and NAP-taurine. Niggli V, et al. **FEBS Lett** 1982 Feb 22; 138(2):164–6
Inhibition of the anion permeability of sarcoplasmic reticulum vesicles by some stilbene derivatives. Kasai M. **J Biochem (Tokyo)** 1981 Mar;89(3):943–53
Kinetic analysis of the inhibition of anion transport in sarcoplasmic reticulum vesicles by a disulfonic stilbene derivative. Measurement of the change in chloride-diffusion potential by using a fluorescent cyanine dye. Yamamoto N, et al. **J Biochem (Tokyo)** 1981 May; 89(5):1521–31
Identification of a rat liver microsomal polypeptide involved in the transport of glucose 6-phosphate. Labeling with 4,4'-diisothiocyano-1,2-diphenyl[3H]ethane-2,2'-disulfoni acid. Zoccoli MA, et al. **J Biol Chem** 1982 Apr 10; 257(7):3919–24
Effects of amiloride and SITS on branchial ion fluxes in rainbow trout, Salmo gairdneri. Perry SF, et al. **J Exp Zool** 1981 Feb;215(2):225–8
Trans-stilbene oxide administration increased hepatic glucuronidation of morphine but decreased biliary excretion of morphine glucuronide in rats. Fuhrman-Lane C, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):526–33
Halide- and gamma-aminobutyric acid-induced enhancement of diazepam receptors in rat brain. Reversal by disulfonic stilbene blockers of anion channels. Costa T, et al. **Mol Pharmacol** 1981 Nov;20(3):470–6
Differential inducibility of nuclear envelope epoxide hydratase by trans-stilbene oxide and phenobarbital. Gonzalez FJ, et al. **Mol Pharmacol** 1982 Mar;21(2):511–6
Interactions of drugs and folate compounds at the cellular level. Branda RF, et al. **Prog Clin Biol Res** 1981;77:773–81
[Effects of rhapontin of rheum hotaoense on serum lipid and lipoprotein levels (serum)] Li CL, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):699–702 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

Treatment of taeniasis with Puag-Haad: a crude extract of Artocarpus lakoocha wood. Charoenlarp P, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):568–70

TOXICITY

Effect of 4'-halogen substitution on the mutagenicity of trans-4-acetamidostilbene and trans-4-(N-hydroxyacetamido)stilbene in the Salmonella typhimurium test system. Shirota FN, et al. **J Med Chem** 1982 May;25(5):593–5
Induction of drug-metabolizing enzymes and toxicity of trans-stilbene oxide in rat liver and kidney. Kuo CH, et al. **Toxicology** 1981;22(2):149–60

STILBESTROL see **DIETHYLSTILBESTROL**

STILL'S DISEASE see **ARTHRITIS, JUVENILE RHEUMATOID**

STILLBIRTH see **FETAL DEATH**

STIMULATION, ACOUSTIC see **ACOUSTIC STIMULATION**

STIMULATION, CHEMICAL

see related
ENZYME INDUCTION

Divergent effects of inotropic stimulation on the ischemic and severely depressed reperfused myocardium. Mercier JC, et al. **Circulation** 1982 Aug;66(2):397–400

STIMULATION, ELECTRIC see **ELECTRIC STIMULATION**

STIMULATION, PHOTIC see **PHOTIC STIMULATION**

STIMULATION, PHYSICAL see **PHYSICAL STIMULATION**

STINGS see **BITES AND STINGS**

STIPPLED EPIPHYSES see **CHONDRODYSTROPHIA CALCIFICANS CONGENITA**

STOCHASTIC PROCESSES see under **PROBABILITY**

STOICISM see **PHILOSOPHY**

STOMACH

see related
GASTRECTOMY

The fluid-filled stomach as an acoustic window to the left kidney. Rosenberg ER, et al. **AJR** 1982 Jan;138(1):175–6
Medication bezoar in a neonate. Menke JA, et al. **Am J Dis Child** 1982 Jan;136(1):72–3
Massive foreign object ingestion. Slovis CM, et al. **Ann Emerg Med** 1982 Aug;11(8):433–5
Ingestion of a foreign body by a dog [letter] King NB. **Aust Vet J** 1981 Oct;57(10):483
The ultrasonographic appearance of a trichobezoar. Ratcliffe JF. **Br J Radiol** 1982 Feb;55(650):166–7
Effects of intravenous versus intragastric glucose pretreatment on triglyceride secretion by perfused livers of fed rats. Semple DJ, et al. **Can J Biochem** 1981 Aug; 59(8):580–5
Antacid bezoar in a premature infant. Rosenberg HK. **Clin Pediatr (Phila)** 1982 Aug;21(8):503–4
Large foreign bodies of the gastrointestinal tract. Ghani A, et al. **Int Surg** 1981 Jul-Sep;66(3):271–2
Manual retrieval of a gastric foreign body in an Atlantic bottlenose dolphin. Beroza GA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1286–8
What is your diagnosis? 1) Intraluminal gastric foreign body, pericardial diaphragmatic hernia, and abnormal intestinal gas patterns. 2) Bone cyst or abscess, involving the proximal right humeral metaphysis. Wilkes RD, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1297–300
Heterotopic gastric mucosa in the duodenum. Lessells AM, et al. **J Clin Pathol** 1982 Jun;35(6):591–5
A thyroglossal cyst lined by gastric epithelium [letter] Chandrasoma P, et al. **JAMA** 1982 Mar 12;247(10):1406
Penetration into the stomach. A complication of the antireflux prosthesis. Lackey C, et al. **JAMA** 1982 Jul 16; 248(3):350
A simple device for continuous nasogastric suction. Rao PS. **Lancet** 1982 Mar 6;1(8271):542–3
Endoscopic removal of sharp foreign objects using an oversleeve. Mee AS, et al. **S Afr Med J** 1981 Nov 7; 60(19):743–4
Cracking open a puppy bank. Willis B. **VM SAC** 1981 Sep; 76(9):1290
Removal of gastric foreign bodies using flexible fiberoptic endoscopy. Zimmer JF. **VM SAC** 1981 Nov;76(11):1611–9
[A report on removal of foreign bodies from upper gastrointestinal tract through endoscope in 6 cases (author's transl)] Zhou DY. **Chung Hua Nei Ko Tsa Chih** 1981 Feb; 20(2):82–4 **(Chi)**
[Enzymatic dissolution of phytobezoars (letter)] Biclet P, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):1060–1 **(Fre)**
[Gastric bezoar in diabetes mellitus. 3 cases (author's transl)] Canivet B, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2893–5 (Eng. Abstr.) **(Fre)**
[First-line exploration: fiberoptic gastroscopy or barium meal? A pragmatic evaluation (author's transl)] Pariente EA, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3477–80 (Eng. Abstr.) **(Fre)**
[Intragastric appetite-depressor balloon] Frimberger E, et al. **MMW** 1982 Jan 15;124(2):39–40 **(Ger)**
[Endoscopic removal of a gastric foreign body] Sikora K. et al. **Wiad Lek** 1982 Jan 1;35(1):55–7 (Eng. Abstr.) **(Pol)**
[Prophylaxis of foreign body migration into the stomach and intestines during endotracheal anesthesia] Kadoshchuk TA, et al. **Klin Khir** 1981 Dec;(12):41–2 **(Rus)**
[Stomach probe for simultaneous double-electrode intragastric pH measurement and the aspiration of the stomach contents] Bershadenko DD, et al. **Lab Delo** 1982; (2):77–9 (Eng. Abstr.) **(Rus)**
[Plastic surgery of the thoracic segment of the esophagus with the stomach tissue] Voronov AA, et al. **Vestn Khir** 1981 Sep;127(9):12–6 **(Rus)**

ABNORMALITIES

Gastric duplication associated with pulmonary sequestration: CT manifestations. Thornhill BA, et al. **AJR** 1982 Jun; 138(6):1168–71
Multiple gastrointestinal atresias with intraluminal calcification. Pombo F, et al. **Br J Radiol** 1982 Apr; 55(652):307–9

A benign cause for extra-cardiac thallium accumulation. Vij M, et al. **Clin Nucl Med** 1981 Dec;6(12):568–70

Gastric duplication associated with adenomyoma. Floros D, et al. **J Surg Oncol** 1982 Feb;19(2):98–100

[Diaphragmatic hernia with displacement of the stomach into the thoracic cavity] Papuziński K. **Pneumonol Pol** 1981 Mar;49(3):223–6 (Eng. Abstr.) **(Pol)**

[Kuntzen's operation in the treatment of cascade stomach] Kalemba J, et al. **Wiad Lek** 1981 May 1;34(9):769–71 **(Pol)**

[Accessory pancreas in the wall of the stomach and duodenum] Kulemin VV, et al. **Klin Med (Mosk)** 1981; 59(7):15–8 **(Rus)**

ANALYSIS

Effect of hypophysectomy and growth hormone administration on somatostatin and gastrin content in the stomach of rats. Kasanuki J, et al. **Endocrinol Jpn** 1981 Jun;28(3):257–60

A new biological bradykinin-like peptide in rat stomach. Kobayashi M, et al. **Jpn J Pharmacol** 1981 Jun;31(3):455–8

Assay of catecholamines on the isolated transverse stomach strip of the rabbit. Ercan ZS. **Pharmacology** 1981; 23(2):113–5

[A study of gastric mucin in peptic ulcer disease (author's transl)] Jia BQ. **Chung Hua Nei Ko Tsa Chih** 1981 Jul; 20(7):401–6 **(Chi)**

[Effects of tetragastrin on catecholamines in gastric juice and gastric tissues in rats (author's transl)] Baba M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun;78(6):1191–7 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Gastric volume in early pregnancy: effect of metoclopramide. Wyner J, et al. **Anesthesiology** 1982 Sep;57(3):209–12

'Enteroglucagon': a specific effect on gastric glands isolated from the rat fundus. Evidence for an 'oxyntomodulin' action. Bataille D, et al. **Biosci Rep** 1981 Feb;1(2):151–5

BLOOD SUPPLY

Injection sclerotherapy of bleeding oesophageal and gastric varices using a flexible endoscope. Stray N, et al. **Acta Med Scand** 1982;211(1–2):125–9

Therapeutic embolization of the gastroduodenal artery in hepatic artery infusion chemotherapy. Kuribayashi S, et al. **AJR** 1981 Dec;137(6):1169–72

Gastric vascular actions of prostanoids and the dual effect of arachidonic acid. Kauffman GL Jr, et al. **Am J Physiol** 1982 Jun;242(6):G582–7

Permeability of gastric capillaries to small and large molecules. Perry MA, et al. **Am J Physiol** 1981 Dec; 241(6):G478–86

Acidification of arterial blood enhances gastric mucosal injury induced by bile salts in dogs. Cheung LY, et al. **Am J Surg** 1982 Jan;143(1):74–9

Multiple arterial caliber persistence resulting in hematomas and fatal rupture of the gastric wall. Molnár P, et al. **Am J Surg Pathol** 1982 Jan;6(1):83–6

Effect of histamine and prostaglandin E2 on gastric blood flow in swine. Zamora CS, et al. **Am J Vet Res** 1981 Jun; 42(6):956–9

Regional blood flow to the stomach and small intestine in swine. Zamora CS, et al. **Am J Vet Res** 1981 Sep; 42(9):1531–3

Stomach blood flow and acid secretion. Guth PH. **Annu Rev Physiol** 1982;44:3–12 (40 ref.)

Celiac artery embolism: case report. Fratesi SJ, et al. **Can J Surg** 1981 Sep;24(5):512–3

Gastric variceal bleeding due to occlusion of splenic vein in pancreatic disease. Keith RG, et al. **Can J Surg** 1982 May;25(3):301–4

Oxygen uptake as a determinant of gastric blood flow autoregulation. Perry MA, et al. **Dig Dis Sci** 1982 Aug; 27(8):675–9

Decreased arteriovenous flow resistance in the left gastric venous area in cirrhotic patients. Koyanagi N, et al. **Eur J Clin Invest** 1981 Oct;11(5):355–9

Blood flow and gastric secretion. Kauffman GL Jr. **Fed Proc** 1982 Apr;41(6):2080–3

Acute gastric dilatation with infarction and perforation. Report of fatal outcome in patient with anorexia nervosa. Saul SH, et al. **Gut** 1981 Nov;22(11):978–83

A new surgical approach for the treatment of massive hemorrhage due to esophageal varices. Romero-Torres R. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):555–60

The distal splenorenal shunt in the management of bleeding varices. Henderson JM. **J R Coll Surg Edinb** 1982 May; 27(3):130–41

Gastric angiodysplasia in an elderly man. Ogle SJ, et al. **J R Soc Med** 1981 Aug;74(8):624–5

The role of histamine in control of gastric mucosal blood flow in dogs. Meiners DJ, et al. **J Surg Res** 1982 Jun; 32(6):608–16

Effect of timepidium bromide, an anticholinergic agent, on gastric and duodenal blood flow distribution in rabbits. Naito K, et al. **Jpn J Pharmacol** 1982 Feb,32(1):73–80

The role of endogenous prostanoids in the response of the rat gastric microcirculation to vasoactive agents. Guth PH, et al. **Microvasc Res** 1982 May;23(3):336–46

Relationship between autonomic innervation and hemodynamics of the gastric tube for esophageal reconstruction, especially the effect of thoracic sympathectomy on the microcirculatory disturbance in the gastric tube. Mii T. **Nippon Geka Hokan** 1981 Nov 1; 50(6):747–68

Arterial malformation of stomach: a cause of massive bleeding. Kung TM, et al. **Pathology** 1982 Jan;14(1):81–4

Haemoperitoneum caused by a dissecting aneurysm of the left gastroepiploic artery. Gibb WR, et al. **Postgrad Med J** 1982 Mar;58(677):185–6

Gastric venous prostaglandin concentrations during basal and stimulated acid secretion in dog. Kauffman GL Jr, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):233–8

Investigation of the vascular actions of arachidonate lipoxygenase and cyclo-oxygenase products on the isolated perfused stomach of rat and rabbit. Salvati P, et al. **Prostaglandins** 1981 Jul;22(1):141–56

Gastric angiodysplasia: a case report. Catalano D, et al. **ROFO** 1982 Jul;137(1):107–8

Aortic stenosis and intestinal angiodysplasia--a case of gastric involvement. Leimbach WN Jr, et al. **West J Med** 1981 Aug;135(2):139–42

[Splenectomy and gastroesophageal devascularization in the treatment of portal hypertension: report of 123 cases (author's transl)] Lu EC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):522–5 (Eng. Abstr.) **(Chi)**

[Hemodynamics of the gastroduodenal circulation (author's transl)] Rau W. **Langenbecks Arch Chir** 1981;354(4):281–91 (Eng. Abstr.) **(Ger)**

[A microangiographic study on the vascular pattern of the stomach in early carcinoma with particular reference to the color change in gastric endoscopy (author's transl)] Sakaguchi K. **Fukuoka Igaku Zasshi** 1981 Nov; 72(11):609–32 (Eng. Abstr.) **(Jpn)**

[Effect of domperidone on gastric movement and blood flow in dog (author's transl)] Fujii K, et al. **Nippon Heikatsukin Gakkai Zasshi** 1980 Mar;16(1):37–46 (Eng. Abstr.) **(Jpn)**

[Effects of the anti-ulcer drug SU-88 on the gastric blood flow and the cardiovascular system (author's transl)] Saziki R, et al. **Nippon Yakurigaku Zasshi** 1982 Mar;79(3):193–202 (Eng. Abstr.) **(Jpn)**

[Anatomy of the parietal branches of left gastric artery (author's transl)] Mori M, et al. **Rinsho Hoshasen** 1982 Jan; 27(1):43–7 (Eng. Abstr.) **(Jpn)**

[Histochemical study of the innervation of the gastric veins in the cat] Katsuk LN. **Arkh Anat Gistol Embriol** 1982 Jan; 82(1):45–8 (Eng. Abstr.) **(Rus)**

[Visceral circulatory state in experimental stenosis of the celiac trunk] Potashov LV, et al. **Vestn Khir** 1981 Nov; 127(11):21–4 (Eng. Abstr.) **(Rus)**

[Rupture of the left gastric artery in blunt abdominal trauma] Sukharev VF, et al. **Vestn Khir** 1981 Oct;127(10):114 **(Rus)**

CYTOLOGY

The distribution and characterization of somatostatin-like immunoreactivity in epithelial cells, submucosa, and muscle of the rat stomach and intestine. Vinik AI, et al. **Endocrinology** 1981 Dec;109(6):1921–6

Converting a stomach to a uterus: the microscopic structure of the stomach of the gastric brooding frog Rheobatrachus silus. Fanning JC, et al. **Gastroenterology** 1982 Jan; 82(1):62–70

Ultrastructural visualization of galactosyl residues in various alimentary epithelial cells with the peanut lectin-horseradish peroxidase procedure. Sato A, et al. **Histochemistry** 1982;73(4):607–24

Immunohistochemical studies on enteric substance P of extrinsic origin in the cat. Hayashi H, et al. **J Auton Nerv Syst** 1982 Mar;5(2):207–17

Cellular and subcellular aspects of the mechanism of gastric acid secretion. Ray TK, et al. **J Surg Res** 1981 Dec; 31(6):496–505

Comparative study of G- and D-cell population in the dog stomach. Nomiyama S, et al. **Jpn J Surg** 1981;11(5):346–52

An organ culture method for glandular stomach of new born rat. Kurokawa Y, et al. **Tohoku J Exp Med** 1981 Jun; 134(2):183–93

DRUG EFFECTS

Acute gastric erosions in the rat. II. Viability of the gastric mucosa. Rubio CA, et al. **Acta Radiol [Oncol]** 1981; 20(6):361–4

Incremental and decremental kinetics of gastric responses to infused gastrin in dogs. Hirschowitz BI. **Am J Physiol** 1982 Jun;242(6):G660–7

Characterization of bombesin effects on canine gastric muscle. Mayer EA, et al. **Am J Physiol** 1982 Aug; 243(2):G141–7

Hormone regulation of parietal cell function: gastrin interaction with a specific receptor. Rutten MJ, et al. **Ann NY Acad Sci** 1981;372:637–42

Gastric relaxation by intravenous and intracerebroventricular administration of apomorphine, morphine and fentanyl in the conscious dog. Blancquaert JP, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):153–4

An unusual prostaglandin-mediated response of rat stomach strip to anaphylatoxin. Damas J. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):163–5

The cytoprotective effect of 16,16-dimethyl-prostaglandin E2 on bile salt induced damage to the human stomach [letter] Müller P, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):253–4

Effect of histamine on the gastric smooth muscles of guinea pig. Nakazawa S, et al. **Digestion** 1981;22(4):203–9

Effect of ethanol on peptic activity in the rat stomach. Puurunen J. **Digestion** 1982;23(2):97–103

Nature and histogenesis of sulfite-induced gastric lesions in rats. Beems RB, et al. **Exp Mol Pathol** 1982 Jun; 36(3):316–25

Prostaglandin-mediated contractile effect of impromidine and dimaprit in the isolated rat stomach fundus. Ercan ZS. **Experientia** 1981 Oct 15;37(10):1092–3

Potentiating interactions of gastric stimulants on [14 C] aminopyrine accumulation by isolated canine parietal cells. Soll AH. **Gastroenterology** 1982 Jul;83(1 Pt 2):216–23

The effect of indomethacin on contractions of guinea-pig stomach following cessation of vagal stimulation in the presence of hyoscine or pempidine. Downing OA, et al. **J Pharm Pharmacol** 1981 Nov;33(11):728–30

On the ability of domperidone to selectively inhibit catecholamine-induced relaxation of circular smooth muscle of guinea-pig stomach. Sahyoun HA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):27–33

Catecholamine-induced relaxation and contraction of the lower oesophageal and pyloric sphincters of guinea-pig stomach: modification by domperidone. Sahyoun HA, et al. **J Pharm Pharmacol** 1982 May;34(5):318–24

Effects of N-acetyl-L-carnosine aluminum (CL-1700) on various acute gastric lesions and gastric secretion in rats. Okabe S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):941–50

Effect of cepharanthine on neuro-humoral excitatory responses of gastric movement in dog. Fujii K, et al. **Jpn J Physiol** 1981;31(5):613–23

Apomorphine contracts and relaxes circular smooth muscle of guinea-pig stomach via action on adrenoceptor mechanisms. Costall B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):226–30

Benzamide action at alpha 2-adrenoceptors modifies catecholamine-induced contraction and relaxation of circular smooth muscle from guinea-pig stomach. Sahyoun HA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr;319(1):8–11

Sensitization by (+) Inpea of rat stomach strip contraction induced by PGE2 or pleural exudates. Capasso F, et al. **Pharmacol Res Commun** 1981 Jul;13(7):705–9

Cytoprotection by sulglycotide: prevention of gastric necrosis in rat. Niada R, et al. **Pharmacol Res Commun** 1981 Jul;13(7):695–704

Contractile responses of longitudinal and circular smooth muscle of the canine stomach to prostaglandins E and F2alpha. Milenov K, et al. **Prostaglandins Leukotrienes Med** 1982 Mar;8(3):287–300

H2 receptor antagonists: ultrastructure of canine parietal cells after long term treatment with ranitidine. Ainge G, et al. **Scand J Gastroenterol [Suppl]** 1981;70:143–54

[Organic secretory and motor reactions of the gastroduodenal area to pentagastrin in experimental pancreatitis in the dog] Lebedev NN, et al. **Patol Fiziol Eksp Ter** 1982 Mar–Apr; (2):51–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Studies on the development of the fetal and neonatal bovine stomach. Kano Y, et al. **Anat Histol Embryol** 1981; 10(3):264–74

Action of histamine and vasoactive intestinal peptide (VIP) on cyclic AMP in gastric glands isolated from human fetal stomach. Gespach C, et al. **Experientia** 1981;37(8):866–7

Pancreatic glucagon in human foetal stomach. Buchan AM, et al. **Histochemistry** 1982;74(4):515–20

Potential for a normal fetal stomach to simulate the sonographic 'double bubble' sign. Gross BH, et al. **J Can Assoc Radiol** 1982 Mar;33(1):39–40

Aetiology of gastric diverticula – an hypothesis. Kurgan A, et al. **Med Hypotheses** 1981 Dec;7(12):1471–6

ENZYMOLOGY

Mechanism of action of gastric secretory inhibitors: effects of SCN-, OCN-, NO-2, and NH+4 on (H+ + K+)-ATPase-mediated transport of H+ inside gastric microsomal vesicles. Nandi J, et al. **Arch Biochem Biophys** 1982 Jun;216(1):259–71

Cytochrome P-450 and ethoxycoumarin-deethylation in rat gastric microsomes: induction by 3-methylcholanthrene and inhibition by cimetidine. Borm P, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):784–90

Endogenous protease mediated manifestations of a Ca2+-stimulated ATPase in purified dog gastric microsomes. Nandi J, et al. **Biochim Biophys Acta** 1982 May 21;688(1):88–92

ATP/ADP exchange activity of gastric (H+ +K+)-ATPase. Rabon E, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):515–24

The effect of cimetidine on basal and stimulated pepsin secretion in the isolated whole stomach of the rat. Bunce KT, et al. **Br J Pharmacol** 1981 May;73(1):41–6

Developmental changes of carbonic anhydrase activity of parotid gland and stomach of goat. Matsumoto H, et al. **Comp Biochem Physiol [A]** 1982;71(2):317–20

Congenital esophageal atresia: lipase activity is present in the esophageal pouch and stomach. Salzman-Mann C, et

al. **Dig Dis Sci** 1982 Feb;27(2):124–8

Localization of recently characterized membrane transport adenosine triphosphatases. Firth JA, et al. **Histochem J** 1981 Jul;13(4):517–24

The gastric [H,K]ATPase:H+/ATP stoichiometry. Rabon EC, et al. **J Biol Chem** 1982 Jun 10;257(11):6296–9

Property of kinin-forming enzyme in rat stomach. Kobayashi M, et al. **Jpn J Pharmacol** 1981 Jun;31(3):369–73

Gastric lipase in the newborn rat. Levy E, et al. **Pediatr Res** 1982 Jan;16(1):69–74

Reaction of nitrite with tyrosine residues in digestive enzymes. Cheng CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1186–92

Stomach ulcer and lysosomal cathepsin. Watanabe S, et al. **Tohoku J Exp Med** 1981 May;134(1):39–44

[The effect of raw Chinese rhubarb on the activities of four digestive enzymes and the discussion on its medicine property (author's transl)] Gao XS. **Chung Yao Tung Pao** 1981 May;6(3):25–9 **(Chi)**

[Method for the complex simultaneous study of gastric and duodenal function] Panfilov DN. **Lab Delo** 1982;(2):67–8 (Eng. Abstr.) **(Rus)**

[Evaluation of proteolytic activity in the stomach and duodenum in gastroduodenal pathology in children] Novik AV, et al. **Pediatriia** 1981 Dec;(12):15–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Increased proliferation of the epithelium of the proximal alimentary tract of EFA-deficient rats: a light and electron microscopy study. Eynard AR, et al. **Exp Mol Pathol** 1982 Apr;36(2):135–43

Pepsin and trypsin activity in the fore gut of metamorphosing Xenopus laevis larvae. Kujat R. **Folia Biol (Krakow)** 1981; 29(3–4):275–8

IMMUNOLOGY

[A comparative study of atrophic gastritis with gastroscopy, mucosal biopsy, secretion function and estimation of parietal cell antibody (author's transl)] Zhang XY. **Chung Hua Nei Ko Tsa Chih** 1981 Aug;20(8):459–62 **(Chi)**

[Immunomorphology of the stomach] Aruni LI, et al. **Klin Med (Mosk)** 1981;59(7):8–14 (69 ref.) **(Rus)**

INJURIES

Surgical approach to corrosive injuries of the stomach. Di-Costanzo J, et al. **Br J Surg** 1981 Dec;68(12):879–81

Mallory-Weiss tear, again [letter] Brodmerkel GJ Jr. **Gastroenterology** 1982 Oct;83(4):946–7

Lye ingestion. Clinical patterns and therapeutic implications. Oakes DD, et al. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):194–204

Gastric perforation by a ventriculoperitoneal shunt. Nishijima M, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):754–6

Gastric bleeding secondary to laparoscopy in a patient with salpingitis. Hirt PS, et al. **Obstet Gynecol** 1982 May; 59(5):655–7

Perforation after gastric partitioning for morbid obesity. Cogbill TH, et al. **Surgery** 1982 Sep;92(3):551–2

[Stomach perforation at laparoscopy] Larsen KE, et al. **Ugeskr Laeger** 1981 Jun 15;143(25):1600 (Eng. Abstr.) **(Dan)**

[Injuries by karate blows] Brettel HF. **Beitr Gerichtl Med** 1981;39:87–90 (Eng. Abstr.) **(Ger)**

[Problems of iatrogenic injuries of the stomach] Schaaf D, et al. **Med Welt** 1982 Feb 26;33(8):271–2 **(Ger)**

[Accidental ingestion of corrosives by children (author's transl)] Eichler HG, et al. **Padiatr Padol** 1981;16(4):489–94 (Eng. Abstr.) **(Ger)**

[Acid and alkali burns of the esophagus, stomach and duodenum] Widmer F, et al. **Schweiz Med Wochenschr** 1982 May 22;112(21):742–50 (Eng. Abstr.) **(Ger)**

[Diagnostic delay of abdominal injuries due to alcoholic intoxication. subtotal rupture of the stomach from the duodenum] Schmidt A. **Zentralbl Chir** 1981;106(6):392–4 **(Ger)**

[Diagnostic and therapeutic problems in lesions caused by caustics in the upper digestive tract] Iachino C, et al. **Chir Ital** 1981 Jun;33(3):699–703 (Eng. Abstr.) **(Ita)**

[Esophago-gastric lesions caused by caustics. Trends in diagnosis in intensive therapy] Cetrullo C. **Minerva Chir** 1981 Dec 15–31;36(23–24):1597–600 (25 ref.) **(Ita)**

[Esophago-gastric burns caused by acid caustics] Jitariu I, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep; 85(3):463–7 (Eng. Abstr.) **(Rum)**

[Thoraco-abdominal wound with injuries of the diaphragm and abdominal organs] Fishchenko AIa. **Khirurgiia (Mosk)** 1981 Aug;(8):108 **(Rus)**

[Esophagogastroduodenoscopy in acute diseases and injuries of the upper segment of the digestive system and their complications] Belov IN. **Klin Khir** 1981 Aug;(8):50–2 (Eng. Abstr.) **(Rus)**

[Surgical treatment of cicatricial post-burn constriction of the stomach] Shalimov SA, et al. **Klin Khir** 1981 Aug; (8):26–9 (Eng. Abstr.) **(Rus)**

INNERVATION

Fine structure of the extraganglionic nerve plexuses of the guniea-pig stomach. Hoyes AD, et al. **Acta Anat (Basel)** 1982;112(3):197–207

Effect of spinal ganglionectomy on substance P-like immunoreactivity in the gastroduodenal tract of cats. Hayashi H, et al. **Brain Res** 1982 Jan 28;232(1):227–30

Comparative studies of quinacrine-positive neurones in the myenteric plexus of stomach and intestine of guinea-pig, rabbit and rat. Crowe R, et al. **Cell Tissue Res** 1981; 221(1):93–107

The View Box: diabetic gastric neuropathy. Mann H. **Del Med J** 1982 Feb;54(2):111–2

Depression of mechanical and electrical activity in muscle strips of opossum stomach and esophagus by acidosis. Schulze-Delrieu K, et al. **Gastroenterology** 1982 Apr; 82(4):720–4

The role of opiate receptors and cholinergic neurons in the gastrocolonic response. Sun EA, et al. **Gastroenterology** 1982 Apr;82(4):689–93

Gastric and pyloric motor response to sympathetic nerve stimulation after chemical sympathectomy. Lerman SH, et al. **J Auton Nerv Syst** 1981 Sep;4(3):207–15

Non-atropinic anticholinergic action of quinidine on the ferret stomach. Grundy D, et al. **J Auton Pharmacol** 1982 Mar;2(1):21–4

A new modification of impregnation technique for the intramural nervous apparatus. Maiboroda YuN, et al. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):371–3

Distribution and diameter of large dense-cored vesicles in axon terminals in the myenteric ganglia of the mouse and hamster stomach. Hoyes AD, et al. **Neurosci Lett** 1982 May 17;30(1):19–24

Gastric vagotomy inhibits drinking after hypertonic saline. Jerome C, et al. **Physiol Behav** 1982 Feb;28(2):371–4

Histamine-elicited drinking is dependent upon gastric vagal afferents and peripheral angiotensin II in the rat. Kraly FS, et al. **Physiol Behav** 1982 May;28(5):841–6

Innervation of the muscularis mucosa in the canine stomach and colon. Angel F, et al. **Scand J Gastroenterol [Suppl]** 1982;71:71–5

Representation of gastric mechanoreceptor activity in the rat brain. Ewart WR, et al. **Scand J Gastroenterol [Suppl]** 1982;71:141–2

Relaxation of isolated gastric smooth muscle cells by vasoactive intestinal peptide. Bitar KN, et al. **Science** 1982 Apr 30;216(4545):531–3

Hindbrain GABA receptors influence parasympathetic outflow to the stomach. Williford DJ, et al. **Science** 1981 Oct 9;214(4517):193–4

[Effect of pentagastrin on the periodic activity of gastroduodenal organs in dogs with intact and disrupted innervation of the stomach] Lebedev NN, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):539–42 (Eng. Abstr.) **(Rus)**

[Afferent discharges in the autonomic nerves of the stomach after stimulating secretion and administering thyrotropin, prednisolone, and vasopressin] Chubarova NI, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):873–83 **(Rus)**

[The posterior vagus trunk and its connections with the secretory areas of the stomach: an anatomical study (author's transl)] Jarpa S, et al. **Rev Med Chil** 1980 Dec; 108(12):1109–11 (Eng. Abstr.) **(Spa)**

METABOLISM

Gastric mucus degradation in vivo in peptic ulcer patients and the effects of vagotomy. Younan F, et al. **Adv Exp Med Biol** 1982;144:235–7

Absorption of orally administered 65Zn by normal human subjects. Aamodt RL, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2648–52

Pepsinogen release from isolated gastric glands. Koelz HR, et al. **Am J Physiol** 1982 Sep;243(3):G218–25

Regulation of oxygen uptake in resting and pentagastrin-stimulated canine stomach. Perry MA, et al. **Am J Physiol** 1982 Jun;242(6):G565–9

The interaction of glucagon, gastric inhibitory peptide and somatostatin with cyclic AMP production systems present in rat gastric glands. Gespach C, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):7–16

Effects of removal of the forestomach and caecum on the utilization of dietary urea in golden hamsters (Mesocricetus auratus) given two different diets. Sakaguchi E, et al. **Br J Nutr** 1981 Nov;46(3):503–12

Nondetection of O6-methylguanine in rat DNA following in vivo treatment with large doses of cimetidine alone or in combination with sodium nitrite. Kyrtopoulos SA, et al. **Cancer Res** 1982 May;42(5):1962–6

Effects of 2- and 3-tert-butyl-4-hydroxyanisole on glutathione S-transferase and epoxide hydrolase activities and sulfhydryl levels in liver and forestomach of mice. Lam LK, et al. **Cancer Res** 1981 Oct;41(10):3940–3

In vivo stability of nitrite and nitrosamine formation in the dog stomach: effect of nitrite and amine concentration and of ascorbic acid. Lintas CL, et al. **Carcinogenesis** 1982; 3(2):161–5

Influence of osmotic pressure and viscosity on intestinal drug absorption. II Studies on the gastric effluent following oral administration of various quinine solutions to rats. Sakiya Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb;29(2):539–44

Prostacyclin content of gastric and duodenal biopsies. Rózsa I, et al. **Gastroenterol Jpn** 1982;17(1):1–3

Distribution of a liquid meal within the stomach and gastric emptying after vagotomy and drainage operations. Lawaetz O, et al. **Gut** 1982 Aug;23(8):683–91

Effect of pentagastrin on histamine output from the stomach in patients with duodenal ulcer. Man WK, et al. **Gut** 1981 Nov;22(11):916–22

Effect of cystic fibrosis and non-cystic fibrosis plasma on the movement and retention of 45Ca2+ and 35SO42- in guinea-pig stomach and small intestine. Morrissey SM, et al. **Gut** 1981 Oct;22(10):788–92

Does gastric aminopyrine clearance reflect gastric mucosal blood flow or parietal cell function? Müller-Lissner SA, et al. **Gut** 1981 Dec;22(12):997–1002

Vascular perfusion of the isolated rat stomach with a fluorocarbon emulsion. Van Huis GA, et al. **Gut** 1981 Sep; 22(9):713–9

Alteration of carbosulfan [2,3-dihydro-2,2-dimethyl-7-benzofuranyl (Di-n-butylaminosulfenyl)methylcarbamate] in the rat stomach. Umetsu N, et al. **J Agric Food Chem** 1982 May-Jun;30(3):555–7

Studies on nitrosamine formation by the interaction between drugs and nitrite. I. Measurement of the amount of nitrosamine formed in rat and guinea pig stomachs. Kawanishi T, et al. **J Toxicol Sci** 1981 Nov;6(4):261–70

Specific opiate receptors on isolated mammalian gastric smooth muscle cells. Bitar KN, et al. **Nature** 1982 May 6;297(5861):72–4

Effects on gastric prostaglandin synthesis produced by fenbufen, a new nonsteroidal anti-inflammatory agent with low gastrointestinal toxicity. Birnbaum JE, et al. **Pharmacology** 1982;25 Suppl 1:27–38

Stomach absorption of intubated insecticides in fasted mice. Ahdaya S, et al. **Toxicology** 1981/82;22(4):311–7

[Affinity of radioactive cesium for digestive tract tissues and blood proteins in rats] Sobociński L, et al. **Rocz Panstw Zakl Hig** 1981;32(4):379–84 (Eng. Abstr.) **(Pol)**

[Gastrin concentration in the blood and stomach tissue and the number of gastric endocrine cells after secretin administration] Fokina AA, et al. **Fiziol Zh SSSR** 1982 May;68(5):639–42 **(Rus)**

MICROBIOLOGY

Colonization of the gastric contents in critically ill patients. Hillman KM, et al. **Crit Care Med** 1982 Jul;10(7):444–7

Effect of cimetidine and antacid on gastric microbial flora. Snepar R, et al. **Infect Immun** 1982 May;36(2):518–24

The effect of erythrosine on the surface-associated bacteria of the rat stomach and caecum. Adams RF, et al. **J Appl Bacteriol** 1981 Aug;51(1):171–81

Bacteria in the stomach [editorial] **Lancet** 1981 Oct 24; 2(8252):906–7

Gastric candida in patients on cimetidine [letter] **Lancet** 1981 Nov 28;2(8257):1236

Aspiration of gastric bacteria in antacid-treated patients: a frequent cause of postoperative colonisation of the airway. du Moulin GC, et al. **Lancet** 1982 Jan 30;1(8266):242–5

Nitrate-reducing bacteria in the stomach [letter] Milton-Thompson GJ. **Lancet** 1982 Aug 7;2(8293):337

Intragastric acidity, bacteria, nitrite, and N-nitroso compounds before, during, and after cimetidine treatment [letter] Reed PI, et al. **Lancet** 1982 Jul 3;2(8288):39

[Quantitative method of microbiological diagnosis of intrauterine infection] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):36–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Human digestive system as parasite's habitat] Kocięcka W. **Wiad Parazytol** 1980;26(4–5):369–74 **(Pol)**

PATHOLOGY

An unusual case of the trichobezoar: the Rapunzel syndrome. Deslypere JP, et al. **Am J Gastroenterol** 1982 Jul; 77(7):467–70

Gastric secretion, gastroduodenal histological changes, and serum gastrin in chronic alcoholic pancreatitis. Piubello W, et al. **Am J Gastroenterol** 1982 Feb;77(2):105–10

Gastric hyalinization associated with peptic ulceration. McGregor DH, et al. **Arch Pathol Lab Med** 1982 Sep; 106(9):472–5

Hippocampal deafferentation and deefferentation and gastric pathology in rats. Henke PG, et al. **Brain Res Bull** 1981 Oct;7(4):395–8

Focal lymphoid hyperplasia of the stomach preceding gastric lymphoma: case report and review of the literature. Wolf JA Jr, et al. **Cancer** 1981 Dec 1;48(11):2518–23

Incidental procurement of gastric biopsy [letter] Delpre G, et al. **Endoscopy** 1982 Jan;14(1):34

Induction of intestinal metaplasia in the glandular stomach of rats by X-irradiation prior to oral administration of N-methyl-N'-nitro-N-nitrosoguanidine. Fujii I, et al. **Gan** 1980 Dec;71(6):804–10

Macroscopic demonstration of atypical epithelial lesion of the stomach by the leucine aminopeptidase-alkaline phosphatase double staining method. Hirono M, et al. **Gan** 1981 Apr;72(2):331–2

Effect of cellular reaction in gastric cancer tissue and in regional lymph nodes on the mitotic activity of cancer cells. Tabuchi Y, et al. **Gan** 1981 Feb;72(1):45–52

Morphological characteristics and distribution patterns of epithelial cells in the cytological diagnosis of gastric cancer. Young JA, et al. **J Clin Pathol** 1982 Jun;35(6):585–90

Gastrin protection against chemically induced gastric adenocarcinomas in Wistar rats: histopathology of the glandular stomach and incidence of gastric adenocarcinoma. Tatsuta M, et al. **JNCI** 1982 Jul; 69(1):59–66

Mucinous gastric hyperplasia in a colony of rhesus monkeys (Macaca mulatta) induced by polychlorinated biphenyl (Aroclor 1254). Geistfeld JG, et al. **Lab Anim Sci** 1982 Feb;32(1):83–6

Intragastric balloons causing gastric hypertrophy, G-cell hyperplasia, and raised serum gastrin levels in rats [letter] Feurle GE, et al. **Lancet** 1982 Aug 14;2(8294):386

The prognostic value of morphological features of gastric carcinoma treated by radical resection. Urban A, et al. **Patol Pol** 1981;32(3):353–72

Gastric necrosis and perforation after fundoplication. Merrill JR. **South Med J** 1981 Dec;74(12):1543–5

[Gastrolithiasis in a llama] Loupal G. **Berl Munch Tierarztl Wochenschr** 1982 Jan 1;95(1):14–6 (Eng. Abstr.) **(Ger)**

[Stomach wall necrosis as a complication of selective proximal vagotomy] Wolf KJ, et al. **ROFO** 1982 Jun; 136(6):717–8 **(Ger)**

[Acute gastric changes and gastrointestinal bleeding in patients with cerebrovascular accidents (author's transl)] Doi A, et al. **Neurol Med Chir (Tokyo)** 1981 Aug; 21(8):855–61 (Eng. Abstr.) **(Jpn)**

[The effects of adjuvant chemotherapy for gastric cancer with curative gastrectomy studied by pathological findings: five to thirteen years follow-up (author's transl)] Yasuna O, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Apr 20; 16(2):183–93 (Eng. Abstr.) **(Jpn)**

[Endoscopic study of acute gastric lesions following the cerebral apoplexy (author's transl)] Ono M. **Nippon Ika Daigaku Zasshi** 1982;49(3):340–52 (Eng. Abstr.) **(Jpn)**

[Morphometric method in defects of the stomach and intestinal walls] Zimatkin SM, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):111–2 (Eng. Abstr.) **(Rus)**

[Use of a rapid cytological method for intraoperative detection of neoplastic cells along the resection line of the stomach] Lukina TA, et al. **Lab Delo** 1981;(8):475–8 **(Rus)**

[Necrosis of sclerosed lesser curvature of the stomach after proximal selective vagotomy] Kissin EA, et al. **Vestn Khir** 1981 Dec;127(12):80–1 **(Rus)**

[Problem of gastric polyps and pseudopolyps] Vizcaíno López A, et al. **Rev Esp Enferm Apar Dig** 1981 Oct; 60(4):327–40 (Eng. Abstr.) **(Spa)**

[Diagnostic accuracy of biopsy and endoscopic cytology in cancer of the esophagus and stomach. Experience and analysis of error factors] Martínez Carvajal R, et al. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):59–62 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of stimulation of the satiety and feeding centers on gastric, cecal and rectal motility in the rat. Lee ZL. **Acta Med Okayama** 1982 Jun;36(3):213–22

Changes in the myoelectric complex of the stomach and the small intestine under the influence of the intrinsic nervous system. Atanassova E, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):11–8

Evidence for electrogenic Na-Cl symport in the in vitro frog stomach. Carrasquer G, et al. **Am J Physiol** 1982 Jun; 242(6):G620–7

Search for resistances controlling canine gastric emptying of liquid meals. Miller J, et al. **Am J Physiol** 1981 Nov; 241(5):G403–15

Gastric emptying and postprandial duodenogastric reflux in pylorectomized dogs. Müller-Lissner SA, et al. **Am J Physiol** 1982 Jan;242(1):G9–14

Mechanism of cycling of migrating myoelectric complexes: effect of morphine. Sarna S, et al. **Am J Physiol** 1982 Jun; 242(6):G588–95

Duodenogastric reflux in the dog. Sonnenberg A, et al. **Am J Physiol** 1982 Jun;242(6):G603–7

Effect of liquid meals on duodenogastric reflux in humans. Sonnenberg A, et al. **Am J Physiol** 1982 Jul;243(1):G42–7

Effect of antrectomy on the nervous phase of gastric secretion in the dog. Caboclo JL, et al. **Am J Surg** 1981 Sep;142(3):324–7

Diaphragmatic EMG and transdiaphragmatic pressure measurements with a single catheter. Onal E, et al. **Am Rev Respir Dis** 1981 Nov;124(5):563–5

Patterns of electrical activity in the digestive tract of the conscious cat. Roche M, et al. **Br J Nutr** 1982 Jul; 48(1):129–35

Inhibition of gastric functions by stimulation of rat locus coeruleus. Osumi Y, et al. **Eur J Pharmacol** 1981 Oct 15; 75(1):27–35

Effects of glucagon on myoelectrical activity of the stomach of conscious and anesthetized dogs. Watanabe O, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):31–41

Percutaneous decompression of an intraintestinal balloon--case report. Frimberger E, et al. **Hepatogastroenterology** 1982 Feb;29(1):38–9

The speaking stomach syndrome: a new therapeutic approach. Cluysenaer OJ, et al. **J Clin Gastroenterol** 1981; 3 Suppl 1:39–42

Effects of KW-5338 (domperidone) on gastric motility. Shuto K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):715–9

The role of vagal and intramural inhibitory reflexes in the regulation of intragastric pressure in the ferret. Andrews PL, et al. **J Physiol (Lond)** 1982 May;326:435–51

Intragastric balloon as an artificial bezoar for treatment of obesity. Nieben OG, et al. **Lancet** 1982 Jan 23;1(8265):198–9

Constituents of lymph from the non-secreting stomach of the dog. Keyl MJ, et al. **Lymphology** 1981 Sep;14(3):118–21

Adaptive filtering of canine electrogastrographic signals. Part 2: filter performance. Kentie MA, et al. **Med Biol Eng Comput** 1981 Nov;19(6):765–9

Adaptive filtering of canine electrogastrographic signals. Part 1: system design. Kentie MA, et al. **Med Biol Eng Comput** 1981 Nov;19(6):759–64

Effects of suctioning newborn stomach contents during resuscitation [letter] Brown JL. **N Engl J Med** 1982 Jun 3;306(22):1366

Naloxone reduces fluid intake in rats with open gastric fistulas. Rockwood GA, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):319–21

The influence of verapamil on the amplitude and frequency of cholinergic-initiated contractions of isolated gastric muscularis muscle of Bufo marinus. Ochillo RF, et al. **Pharmacology** 1982;24(3):185–92

Pregastric stimulation and cholecystokinin are not sufficient for the meal size-intermeal interval correlation in the rat. Kraly FS. **Physiol Behav** 1981 Sep;27(3):457–62

Esophageal and duodenal approach for testing duodenogastric reflux in dogs. Hollinger A, et al. **Res Exp Med (Berl)** 1982;180(2):139–46

Autocorrelation, cross correlation and coherence analyses of the electrical activity of the human stomach in the postoperative period. Aldrete JS, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):359–65

Histochemical study of the myenteric plexus following gastric resection on dogs. Lolova I, et al. **Z Mikrosk Anat Forsch** 1982;96(2):269–88

[Stomach motility in the rabbit] Ehrlein HJ, et al. **DTW** 1981 Oct 5;88(10):415–9 (Eng. Abstr.) **(Ger)**

[Excitatory and inhibitory vagal actions on the motility of normal rabbit stomach] Brizzi E, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):300–5 (Eng. Abstr.) **(Ita)**

[Radioimmunoassay in determination of pepsinogen I in the blood: new diagnostic test of gastric function. Personal results and review of literature] Šategna-Guidetti C, et al. **Recenti Prog Med** 1981 Sep;71(3):306–15 (38 ref.) (Eng. Abstr.) **(Ita)**

[Neural regulatory factors in gastric motility (author's transl)] **Nippon Heikatsukin Gakkai Zasshi** 1980 Sep;16(3):133–45 **(Jpn)**

[Electromyographic study of the gastric motility after atypical selective proximal vagotomy (author's transl)] Fukuda T. **Nippon Heikatsukin Gakkai Zasshi** 1981 Jun; 17(2):59–69 (Eng. Abstr.) **(Jpn)**

[An electromyographic study of effects of pyloroplasty on gastric motility following selective proximal vagotomy in dogs (author's transl)] Mashiko H. **Nippon Heikatsukin Gakkai Zasshi** 1981 Sep;17(3):115–30 (Eng. Abstr.) **(Jpn)**

[Studies of pacing the canine stomach with electric stimulation for its possible clinical application (author's transl)] Yamashita M. **Nippon Heikatsukin Gakkai Zasshi** 1980 Dec;16(4):315–29 (Eng. Abstr.) **(Jpn)**

[Effect of cigarette smoking on human gastric function (author's transl)] Ohzeki M. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):89–97 (Eng. Abstr.) **(Jpn)**

[Plasma motilin levels and gastric hunger contractions--in relation to plasma free fatty acids (author's transl)] Noda H. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2264–74 (Eng. Abstr.) **(Jpn)**

[Role of affective brain structures in regulation of the secretory function of the stomach] Kassil' VG, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):498–502 (Eng. Abstr.) **(Rus)**

[Cortical-visceral relations in periodic activity of the stomach] Lebedev NN. **Fiziol Zh SSSR** 1982 Apr; 68(4):478–89 **(Rus)**

[Mechanisms of changes of gastric secretion within different time periods after vagotomy] Matrosova EM, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):515–21 **(Rus)**

[Electrometric characteristics of the human gastrolingual reflex] Iakovleva IIa. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):92–3 **(Rus)**

[Role of the blood kinin system in regulating basic stomach functions] Dorofeev GI, et al. **Sov Med** 1981;(7):21–3 (Eng. Abstr.) **(Rus)**

[Normally functioning stump of the resected stomach] Vakhidov VV, et al. **Vestn Khir** 1981 Nov;127(11):26–31 (Eng. Abstr.) **(Rus)**

[Mechanisms of gastrin release] Gutiérrez Cabano CA. **Acta Gastroenterol Latinoam** 1981;11(4):541–7 (33 ref.) **(Spa)**

PHYSIOPATHOLOGY

Effects of various operations on the electrical activity of the human stomach recorded during the postoperative recovery period. Aldrete JS, et al. **Ann Surg** 1982 May; 195(5):662–9

Gastric morphological and functional changes produced by bile in the canine stomach. Thomas WE. **Eur Surg Res** 1981;13(2):125–33

Effect of topical 16,16-dimethyl prostaglandin E2 on intragastric pH in acutely ill patients. Clift S, et al. **J Surg Res** 1982 Apr;32(4):382–9

Naloxone reverses tissue effects of live Escherichia coli sepsis. Rees M, et al. **Surgery** 1982 Jan;91(1):81–6

[Functional states of gastric stump in postgastrectomy syndromes] Vakhidov VV, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):37–42 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on the secretory and motor functions of the stomach in peptic ulcer and chronic gastritis with secretory insufficiency] Ermakov EV, et al. **Klin Med (Mosk)** 1981 Aug;59(8):67–71 **(Rus)**

[Use of an electrogastrographic study method for evaluating the effectiveness of the combined treatment of children with chronic gastroduodenitis] Bychkova MA, et al. **Pediatriia** 1981 May;(5):21–2 (Eng. Abstr.) **(Rus)**

[Current methods of examination of the gastric system in children] Shamsiev SSh, et al. **Pediatriia** 1982 Apr;(4):42–5 **(Rus)**

[Possibilities of electrogastrointestinography certain gastrointestinal diseases] Rebrov VG. **Ter Arkh** 1981; 53(10):66–70 (Eng. Abstr.) **(Rus)**

[Radiotelemetric study of gastric function in leprosy] Kenzhebaev AIa, et al. **Vestn Dermatol Venerol** 1982 May; (5):63–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Effervescent agents in the double contrast examination of the stomach. Virkkunen P, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):261–5

Gastroesophageal deformities of left ventricular-abdominal aortic conduit. Bickers GH, et al. **AJR** 1982 May; 138(5):867–9

Radiologic observations of gastric and small intestinal motility in suckling pigs. Wood AK. **Am J Vet Res** 1982 Jan;43(1):61–6

Radiologic observations of gastric mixing and emptying of food in growing pigs. Wood AK, et al. **Am J Vet Res** 1982 Aug;43(8):1401–8

A new method for studying barium sulphate contrast media in vitro [letter] Vlymen WJ. **Br J Radiol** 1982 Jan; 55(649):86–7

Double contrast barium meal examination: a comparison of two high density barium preparations, E-Z-HD and X-Opaque. Hyslop JS, et al. **Clin Radiol** 1982 Jan; 33(1):83–5

The minimum effective dose of glucagon in upper gastrointestinal radiography. Maglinte DD, et al. **Gastrointest Radiol** 1982;7(2):119–22

Gastric deformity following cardiac surgery. Parks RE. **Gastrointest Radiol** 1982;7(3):225–6

Unintentional opacification of the stomach during computed tomography following ingestion of jelly candy. Karasick SR, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):184–5

The radiographic appearance of the stomach in Cronkhite-Canada syndrome. Kilcheski T, et al. **Radiology** 1981 Oct;141(1):57–60

The sensitivity of radiography of the postoperative stomach. Ott DJ, et al. **Radiology** 1982 Sep;144(4):741–3

Variation in the quality of barium sulfate contrast media. Virkkunen P. **Radiology** 1981 Sep;140(3):833–4

On the differences between the BaSO4 particles and additives in media for the double contrast examination of the stomach. Virkkunen P, et al. **ROFO** 1980 Nov;133(5):542–5

Lesser curve shortening in gastric ulceration. Kottler RE, et al. **S Afr Med J** 1982 Jul 3;62(1):30–2

[The radiologic differentiation in 23 cases of non-carcinomatous soft tissue shadows within the gastric fundus (author's transl)] Chen JR. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug; 15(3):188–91 **(Chi)**

[An analysis of the diagnostic information derived from screening as against films during radiological examination of the stomach (author's transl)] Richter K, et al. **ROFO** 1982 Jun;136(6):649–52 (Eng. Abstr.) **(Ger)**

[Controlled results of standardized X-ray examination technique (author's transl)] Längle I, et al. **Rontgenblatter** 1981 Aug;34(8):294–7 (Eng. Abstr.) **(Ger)**

[Improved x-ray diagnosis of stomach by progress in the development of contrast media and examination techniques (author's transl)] Lotz W. **Rontgenblatter** 1982 May; 35(5):171–6 (Eng. Abstr.) **(Ger)**

[Röentgen diagnosis of the esophagus, stomach and intestinal tract in adults. New methods and contrast media] Lammer J, et al. **Rontgenpraxis** 1982 Mar;35(3):79–85 **(Ger)**

[Radiopacity produced by the stomach contents in a case of trichlorethylene poisoning (author's transl)] Schneider V, et al. **Z Rechtsmed** 1982;88(1–2):147–57 (Eng. Abstr.) **(Ger)**

[Value of the pharmacological double-contrast method in the roentgen diagnosis of the operated stomach] Coppola V, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec; 27(4):527–32 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of radiographic and endoscopic diagnosis in gastric pathology. Findings in 680 cases] Crisci E, et al. **Minerva Dietol Gastroenterol** 1982 Jan–Mar; 28(1):43–50 (Eng. Abstr.) **(Ita)**

[Studies on x-ray diagnosis of linear ulcers in the body of stomach (author's transl)] Koga H. **Igaku Kenkyu** 1981 Oct; 51(4):186–200 (Eng. Abstr.) **(Jpn)**

[Parietal shadow of the stomach (author's transl)] Nanaumi

K, et al. **Rinsho Hoshasen** 1981 Apr;26(4):451–6 **(Jpn)**
[Potentials of x-ray and endoscopic study methods in the diagnosis of cancer recurrences in the area of the esophageal anastomoses] Kokhanova GA, et al. **Klin Khir** 1982 May;(5):11–4 (Eng. Abstr.) **(Rus)**
[Method of injecting x-ray contrast media into the submucous membrane of the stomach via a fiberscope] Britsis FA, et al. **Klin Med (Mosk)** 1982 Apr;60(4):19–23 **(Rus)**
[Method for a single-step double-contrast study of the stomach] Rabukhina NA. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):9–15 (Eng. Abstr.) **(Rus)**
[Improved method of double-contrast study of the stomach] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec; (6):15–20 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Comparison of methods for analyzing gastric isotope emptying. Dugas MC, et al. **Am J Physiol** 1982 Sep; 243(3):G237–42
An assessment of dynamic gastric scanning with 99Tcm-pertechnetate. Keane FB, et al. **Br J Surg** 1982 Jul;69(7):383–5
Gastric emptying of a physiologic mixed solid-liquid meal. Fisher RS, et al. **Clin Nucl Med** 1982 May;7(5):215–21
Gastric emptying and intragastric distribution of lipids in man. A new scintigraphic method of study. Jian R, et al. **Dig Dis Sci** 1982 Aug:27(8):705–11
Scintigraphic evaluation of gastric emptying. Malmud LS, et al. **Semin Nucl Med** 1982 Apr;12(2):116–25
[Variants in gastric evacuation function in different age groups based on computerized gastroscintigraphic data] Devishev MI, et al. **Med Radiol (Mosk)** 1981 Nov; 26(11):41–5 (Eng. Abstr.) **(Rus)**

SURGERY

Healing of incisional wounds in stomach and duodenum. The influence of aging. Gottrup F. **Acta Chir Scand** 1981; 147(5):363–9
Mucosal changes of the Billroth II resected stomach. A follow-up study of patients resected for duodenal ulcer,with special reference to gastritis, atypia and cancer. Graem N, et al. **Acta Pathol Microbiol Scand [A]** 1981 May; 89(3):227–34
Radiographic abnormalities after gastric bypass. Koehler RE, et al. **AJR** 1982 Feb;138(2):267–70
An unusual complication of gastric bypass: perforated antral ulcer. Andersen OS, et al. **Am J Gastroenterol** 1982 Feb; 77(2):93–4
Critical determinants of a successful gastric bypass: reservoir versus stoma. Kirkpatrick JR, et al. **Am J Gastroenterol** 1982 Jul;77(7):464–6
Acute visual loss after gastroplasty [letter] Gardner TW, et al. **Am J Ophthalmol** 1982 May;93(5):658–60
An alternative fundoplicative maneuver for gastroesophageal reflux. Boutelier P, et al. **Am J Surg** 1982 Feb;143(2):260–4
Efficacy of antibiotic prophylaxis in high risk gastroduodenal operations. Nichols RL, et al. **Am J Surg** 1982 Jan; 143(1):94–8
Modification of the gastric partitioning operation for morbid obesity. Smith LB. **Am J Surg** 1981 Dec;142(6):725–30
Improved technique for pancreaticogastrostomy after pancreaticoduodenectomy. Telford GL, et al. **Am J Surg** 1981 Sep;142(3):386–7
Use of Teflon pledgets in esophageal anastomoses. Zilberstein B, et al. **Am J Surg** 1982 Sep;144(3):374–5
Surgical treatment of morbid obesity with reflux esophagitis. Buckwalter JA. **Am Surg** 1982 Mar;48(3):128–30
Increasing the efficacy of gastric operations for the control of morbid obesity. Printen KJ, et al. **Am Surg** 1982 Jul; 48(7):309–15
Biliary and gastric decompression by a transhepatic tube technique. Schaefer CJ, et al. **Am Surg** 1982 Jul;48(7):314–5
One-lung anesthesia in morbidly obese patients. Brodsky JB, et al. **Anesthesiology** 1982 Aug;57(2):132–4
Peripheral neuropathy and starvation after gastric partitioning for morbid obesity. Feit H, et al. **Ann Intern Med** 1982 Apr;96(4):453–5
Gastroesophageal fundoplication and gastrostomy in familial dysautonomia. Axelrod FB, et al. **Ann Surg** 1982 Mar; 195(3):253–8
Gastric ulceration after fundic wrapping. Vagal nerve entrapment, a possible causative factor. Herrington JL Jr, et al. **Ann Surg** 1982 May;195(5):574–81
Delayed gastric emptying of liquids and solids following Roux-en-Y biliary diversion. Hocking MP, et al. **Ann Surg** 1981 Oct;194(4):494–501
Experience with a modified Witzel gastrostomy without gastropexy. Johnston WD, et al. **Ann Surg** 1982 Jun; 195(6):692–9
Gastroplasty with partial or total plication for gastroesophageal reflux: manometric and pH-metric postoperative studies. Paris F, et al. **Ann Thorac Surg** 1982 Jun;33(6):540–8
Clinical efficacy of the stapled anastomosis in esophageal reconstruction. Sugimachi K, et al. **Ann Thorac Surg** 1982 Apr;33(4):374–8
Gastric exclusion surgery in the management of morbid obesity. Dickerman RM. **Annu Rev Med** 1982;33:263–70
Caring for the gastroplasty patient. Boehmer VW, et al. **AORN J** 1981 Dec;34(6):1036–42
Gastric pull-up vs deltopectoral flap for reconstruction of the cervical esophagus. Fredrickson JM, et al. **Arch Otolaryngol** 1981 Oct;107(10):613–6
Comparative effectiveness of gastric bypass and gastroplasty: a clinical study. Linner JH. **Arch Surg** 1982 May; 117(5):695–700
Vertical banded gastroplasty for obesity. Mason EE. **Arch Surg** 1982 May;117(5):701–6
Meal stimulated gastrin and pancreatic polypeptide levels before and after partial gastric transection for morbid obesity. Shulkes A, et al. **Aust NZ J Med** 1982 Feb; 12(1):27–30
Radical resection for cancer of the hypopharynx and cervical oesophagus with repair by stomach transposition. Harrison DF, et al. **Br J Surg** 1981 Nov;68(11):781–3
Reconstructive gastric surgery. Kelly KA, et al. **Br J Surg** 1981 Oct;68(10):687–91
The failures of gastric surgery. Kennedy T. **Br J Surg** 1981 Oct;68(10):677
Intrathoracic gastric bypass for carcinoma of oesophagus found unresectable at exploration. Lam KH, et al. **Br J Surg** 1982 Feb;69(2):71–3
The microflora of the postoperative stomach. Muscroft TJ, et al. **Br J Surg** 1981 Aug;68(8):560–4
Dacron patch for closure of experimental stomach defects. Smyrnis SA. **Br J Surg** 1982 Feb;69(2):82–3
Surgery for morbid obesity [letter] Deitel M, et al. **Can J Surg** 1982 May;25(3):348, 351
Intestinal bypass and gastric partitioning for morbid obesity: a comparison. Deitel M, et al. **Can J Surg** 1982 May; 25(3):283–9
Surgery for morbid obesity—where are we going? [editorial] Freeman JB, et al. **Can J Surg** 1982 May;25(3):247–8
Alkaline reflux gastritis: Roux-en-Y diversion is effective. Tassé D, et al. **Can J Surg** 1982 May;25(3):337–9
Surgery for morbid obesity: comparison of gastric bypass with vertically stapled gastroplasty. Eckhout GV, et al. **Colo Med** 1981 Apr;78(4):117–22
Preoperative psychiatric evaluation: gastric exclusion surgery for morbid obesity. Stanfield C. **Colo Med** 1981 Apr; 78(4):123–5
Surgical treatment of morbid obesity. Villar HV. **Contemp Anesth Pract** 1982;5:9–17
The operated stomach—still a precancerous condition? Hermanek P, et al. **Endoscopy** 1982 Jul;14(4):113–4
Gastroplasty for morbid obesity. Roentgen evaluation and spectrum of complications. Agha FP, et al. **Gastrointest Radiol** 1982;7(3):217–23
Gastric elongation in massive small bowel resection: an experimental study on albino rats. Gopal G. **Indian Pediatr** 1981 Jun;18(6):389–4
Gastroplasty in intractable obesity. Gomez CA. **Int J Obes** 1981;5(4):413–20
Appetitive behavior after gastric bypass for obesity. Halmi KA, et al. **Int J Obes** 1981;5(5):457–64
Gastric bypass criteria for effectiveness. Mason EE, et al. **Int J Obes** 1981;5(4):405–11
The Copenhagen PLAFA project: a randomized trial of gastroplasty versus very-low-calorie diet in the treatment of severe obesity (preliminary results). Quaade F, et al. **Int J Obes** 1981;5(3):257–61
Variations in dietary intake after bypass surgery for obesity. Possible relation to development of fatty liver after jejunoileal bypass. Rogus J, et al. **J Am Diet Assoc** 1981 Oct;79(4):437–40
The radiology of gastroplasty for morbid obesity. Hammond DI, et al. **J Can Assoc Radiol** 1982 Mar;33(1):21–4
Super-obesity: a psychiatric profile of patients electing gastric stapling for the treatment of morbid obesity. Hutzler JC, et al. **J Clin Psychiatry** 1981 Dec;42(12):458–62
Gastric bypass for morbid obesity. Wills CE Jr. **J Med Assoc Ga** 1981 Oct;70(10):725–7
Concomitant reversal of jejunoileostomy and gastric bypass construction in morbid obesity. Wills CE Jr. **J Med Assoc Ga** 1982 May;71(5):345–7
Historical perspective of surgery for morbid obesity. Brolin RE, et al. **J Med Soc NJ** 1982 May;79(5):383–6
Gastrotomy in the management of acute iron poisoning. Venturelli J, et al. **J Pediatr** 1982 May;100(5):768–9
Effectiveness of Nissen fundoplication for gastroesophageal reflux in children as measured by 24-hour intraesophageal pH monitoring. Berquist WE, et al. **J Pediatr Surg** 1981 Dec;16(6):872–5
Effects of partitioning operations on the electrical activity of the human stomach. Halpern NB, et al. **J Surg Res** 1982 Mar;32(3):275–82
A review: surgery for morbid obesity. Joffe SN. **J Surg Res** 1982 Jul;33(1):74–88 (239 ref.)
Treatment of gastroesophageal reflux in children by Thal fundoplication. Ashcraft KW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):706–12
Use of EEA stapler for substernal esophagogastric anastomosis in palliation of esophageal carcinoma. Mills SA. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):801–4
Bad and good news on gastroplasty. Fat lost, not muscle [news] Check WA. **JAMA** 1982 Jul 16;248(3):277–8
Wernicke-Korsakoff encephalopathy after gastric plication. Haid RW, et al. **JAMA** 1982 May 14;247(18):2566–7
Gastroplasty may lead field but it's not a winner yet [news] Korcok M. **JAMA** 1981 Nov 27;246(21):2420, 2422
Wernicke's encephalopathy after gastric plication [letter] MacLean JB. **JAMA** 1982 Sep 17;248(11):1311
Bad and good news on gastroplasty. Still in developmental stage' [news] Reed M. **JAMA** 1982 Jul 16;248(3):277–8
Bone loss after gastroplasty for morbid obesity: side-effect or adaptive response to weight reduction? [letter] Krølner B, et al. **Lancet** 1982 Apr 24;1(8278):956–7
Removal of a needle from a dog's stomach. Bose AS, et al. **Mod Vet Pract** 1981 Nov;62(11):882
Gastric surgery for morbid obesity [letter] Bailey RR. **NZ Med J** 1982 Jan 13;95(699):22
Progress in gastric surgery for morbid obesity. Sorrell VF. **NZ Med J** 1981 Nov 25;94(696):369–71
Surgery for morbid obesity [letter] Van Rij A. **NZ Med J** 1982 Jul 28;95(712):517
Pancreatic polypeptide secretion before and after gastric bypass surgery for morbid obesity. Schrumpf E, et al. **Scand J Gastroenterol** 1981;16(8):1009–14
Changes in serum cholesterol and triglyceride levels after jejunoileal and gastric bypasses in morbidly obese patients. Ackerman NB. **Surg Gynecol Obstet** 1982 Jan;154(1):1–7
Experimental evaluation of techniques of gastric partitioning for morbid obesity. Brolin RE, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):877–82
Partition of the lesser curvature of the stomach in morbid obesity. O'Leary JP. **Surg Gynecol Obstet** 1982 Jan; 154(1):85–6
Critical analysis of long term weight loss following gastric bypass. Reinhold RB. **Surg Gynecol Obstet** 1982 Sep; 155(3):385–94 (31 ref.)
Hemostatic suture of the stomach for the treatment of massive hemorrhage due to esophageal varices. Romero-Torres R. **Surg Gynecol Obstet** 1981 Nov;153(5):710–2
A comparison of stapled and sutured anastomoses in gastric operations. Scher KS, et al. **Surg Gynecol Obstet** 1982 Apr; 154(4):548–52
Gastroplasty in patients with symptoms of reflux esophagitis. Simonowitz DA, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):235–7
Simplified isolation of the median arcuate ligament for posterior gastropexy. Warshaw AL. **Surg Gynecol Obstet** 1982 May;154(5):732–3
Altered glucose tolerance, insulin response, and insulin sensitivity after massive weight reduction subsequent to gastric bypass. Halverson JD, et al. **Surgery** 1982 Aug; 92(2):235–40
Subtotal gastric exclusion and gastric partitioning: a randomized prospective comparison of one hundred patients. Lechner GW, et al. **Surgery** 1981 Oct;90(4):637–44
Substernal gastric bypass for palliation of esophageal carcinoma: rationale and technique. Robinson JC, et al. **Surgery** 1982 Mar:91(3):305–11
Comparisons between jejunoileal and gastric bypass operations for morbid obesity. Rucker RD Jr, et al. **Surgery** 1982 Aug;92(2):241–9
Techniques for enterotomy, decompression, and intestinal resection/anastomosis. Stashak TS. **Vet Clin North Am [Large Anim Pract]** 1982 May; 4(1):147–65
Treatment of morbid obesity by gastric partitioning. Carey LC, et al. **World J Surg** 1981 Nov;5(6):829–31
Gastroplasty in morbid obesity: a progress report. Gomez CA. **World J Surg** 1981 Nov;5(6):823–8
Gastric bypass for morbid obesity. Griffen WO Jr, et al. **World J Surg** 1981 Nov;5(6):817–22
Pharyngogastric anastomosis following pharyngolaryngoesophagectomy. Analysis of 157 cases. Lam KH, et al. **World J Surg** 1981 Jul;5(4):509–16
Prevention of sepsis in gastroesophageal surgery. Muscroft TJ, et al. **World J Surg** 1982 May;6(3):293–300
Predisposition of the resected stomach for malignancy. Rakovec S, et al. **World J Surg** 1981 Sep;5(5):725–7
[Gastroesophageal anastomotic leakage following resection of carcinoma of the esophagus and gastric cardia—an analysis of 159 cases (author's transl)] Ping YM. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):36–8 (Eng. Abstr.) **(Chi)**
[Carcinoma of remnant cardia treated by resection of esophagogastric anastomosis: report of a case (author's transl)] Zhang GC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):520–1 (Eng. Abstr.) **(Chi)**
[Endoscopic findings in gastric post-operative complications (author's transl)] Říha I. **Cesk Gastroenterol Vyz** 1981 Jul; 35(5):195–8 (Eng. Abstr.) **(Cze)**
[Late complications of the jejuno-ileal shunt operation for morbid obesity. Treatment with closure of the intestinal shunt and construction of a gastric bypass] Andersen OB, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):379–81 (Eng. Abstr.) **(Dan)**
[Treatment of morbid obesity with gastric bypass. Preliminary results] Andersen OB, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):377–8 (Eng. Abstr.) **(Dan)**
[Gastroplasty versus very low calorie diet in morbid obesity. Short-term results of a randomized clinical trial] Andersen T, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):390–4 (Eng. Abstr.) **(Dan)**
[Gastroplastic operation by the Gomez method] Backer OG. **Ugeskr Laeger** 1982 Feb 8;144(6):382–4 (Eng. Abstr.) **(Dan)**
[Gastroplasty with an autosuture device for morbid obesity] Burcharth F, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):384–7 (Eng. Abstr.) **(Dan)**
[Intragastric balloon in the treatment of obesity. Report of a pilot study] Harboe H, et al. **Ugeskr Laeger** 1982 Feb

8;144(6):394–6 (Eng. Abstr.) **(Dan)**
[Gastroplasty for obesity. 2-year study] Jensen HE, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):388–9 (Eng. Abstr.) **(Dan)**
[Gastric surgery for morbid obesity--gastric bypass] Miskowiak J, et al. **Ugeskr Laeger** 1982 Feb 8;144(6):375–6 (Eng. Abstr.) **(Dan)**
[Gastric partitioning in the treatment of obesity] Quaade F. **Ugeskr Laeger** 1982 Feb 8;144(6):373–5 (Eng. Abstr.) **(Dan)**
[A technique combining a Collis gastroplasty and Nissen's fundoplication (author's transl)] Beauchamp G. **J Chir (Paris)** 1981 Oct;118(10):581–5 (Eng. Abstr.) **(Fre)**
[Repair of hiatus hernia in adults by double gastropexy (author's transl)] Dubois F, et al. **Nouv Presse Med** 1982 May 1;11(20):1553–5 (Eng. Abstr.) **(Fre)**
[Gastric bypass in incurable esophageal cancer] Gamstätter G, et al. **Chirurg** 1982 Feb;53(2):93–7 (Eng. Abstr.) **(Ger)**
[Stomach bypass and jejuno-ileostomy. Dubious surgical methods for therapy of extreme obesity] Husemann B. **Dtsch Med Wochenschr** 1981 Dec 4;106(49):1661–4 **(Ger)**
[Esophageal carcinoma: a one-time procedure with stomach transposition as a therapeutic concept (author's transl)] Funovics JM, et al. **Langenbecks Arch Chir** 1982; 357(1):53–62 (Eng. Abstr.) **(Ger)**
[Bile acid reflux following stomach surgery on rats (author's transl)] Hellerer O, et al. **Langenbecks Arch Chir** 1982; 356(3):159–66 (Eng. Abstr.) **(Ger)**
[Resection of thoracic esophageal carcinoma and replacement with stomach (author's transl)] Steegmüller KW, et al. **Langenbecks Arch Chir** 1982;356(1):43–9 (Eng. Abstr.) **(Ger)**
[Treatment of extreme obesity with gastric bypass] Mrozek B, et al. **MMW** 1982 Jan 15;124(2):41–4 (Eng. Abstr.) **(Ger)**
[Obesity therapy conservative or surgical?] Rabast U. **MMW** 1982 Jan 15;124(2):37–8 **(Ger)**
[Gastric operations for morbid obesity (editorial)] Barzilai A, et al. **Harefuah** 1981 May 15;100(10):493–4 **(Heb)**
[The Sweet operation. Personal experience] Caironi C, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):501–4 **(Ita)**
[The use of prosthetic material in the repair of gastric and colonic gaps in the rat] Contieri E, et al. **Chir Patol Sper** 1980 Apr;28(2):80–6 (Eng. Abstr.) **(Ita)**
[Trends in the prevention and treatment of cardial insufficiency] Tajana A, et al. **Minerva Chir** 1982 Mar 15; 37(5):497–500 **(Ita)**
[Value of the pharmacological double-contrast method in the roentgen diagnosis of the operated stomach] Coppola V, et al. **Minerva Dietol Gastroenterol** 1981 Oct-Dec; 27(4):527–32 (Eng. Abstr.) **(Ita)**
[Single-step intrapleural esophagoplasty with isoperistaltic gastric tube] Chernousov AF, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):100–4 **(Rus)**
[Esophagoplasty following an operation on the stomach] Kharitonov LG, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):31–5 (Eng. Abstr.) **(Rus)**
[Gastroplegia and complications after gastric surgery] Moravec R, et al. **Rozhl Chir** 1981 Jul;60(7):439–45 (Eng. Abstr.) **(Slo)**
[Automatic sutures in surgery of the digestive tract. Initial results] Cuadrado Idoyaga F, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):313–20 (Eng. Abstr.) **(Spa)**
[Metabolic effects of gastric bypasses. Experimental study] Mañas M, et al. **Rev Esp Enferm Apar Dig** 1981 Aug; 60(2):117–28 (Eng. Abstr.) **(Spa)**
[Gastroplasty--an alternative in the treatment of obesity] Olsson SA, et al. **Lakartidningen** 1982 Jan 6;79(1–2):35–8 (Eng. Abstr.) **(Swe)**

TRANSPLANTATION

Post-cricoid carcinoma: the place of visceral transposition. Stell PM, et al. **Clin Oncol** 1982 Mar;8(1):17–20
Transplantation of untreated glandular stomach of fetal and newborn rats and their malignant conversion. Kurokawa Y, et al. **Gan** 1981 Aug;72(4):620–6
[Esophagus replacement by an isoperistaltic gastric tube (author's transl)] Lindecken KD, et al. **Langenbecks Arch Chir** 1981;354(4):265–71 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Circadian ultrastructural changes in rat gastric parietal cells under altered feeding regimens: a morphometric study. Jacobs DM, et al. **Anat Rec** 1982 May;203(1):101–13

STOMACH, AVIAN

PHYSIOLOGY

Release of avian pancreatic polypeptide by various intraluminal contents in the stomach, duodenum, or ileum of turkeys. Duke GE, et al. **Dig Dis Sci** 1982 Sep; 27(9):782–8

STOMACH DILATATION

COMPLICATIONS

Acute gastric dilatation with infarction and perforation. Report of fatal outcome in patient with anorexia nervosa. Saul SH, et al. **Gut** 1981 Nov;22(11):978–83

ETIOLOGY

Gastric dilatation as a complication of bulimia. Mitchell JE, et al. **Psychosomatics** 1982 Jan;23(1):96–7

PATHOLOGY

[Death from a piece of meat obstructing the pyloric portion of the stomach] Chekin BP. **Sud Med Ekspert** 1981 Oct-Dec;24(4):55 **(Rus)**

PHYSIOPATHOLOGY

On the gastrocecal inhibitory reflex in the rat. Lee ZL, et al. **Acta Med Okayama** 1981 Nov;35(5):357–62
[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of excitatory vagal fibers before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):475–9 **(Ita)**
[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of inhibitory vagal fibers, before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):480–4 **(Ita)**

PSYCHOLOGY

[Acute onset gastric atony with a peritoneal syndrome following mental trauma and leading to laparotomy] Kovachev D, et al. **Vutr Boles** 1982;21(3):107–10 **(Bul)**

RADIOGRAPHY

Small bowel dilatation mimicking gastric dilatation. Lee FA. **Pediatr Radiol** 1982;12(3):109–10

VETERINARY

Acid-base and electrolyte disturbances in dogs with gastric dilatation-volvulus. Muir WW. **J Am Vet Med Assoc** 1982 Aug 1;181(3):229–31
Gastric dilatation-volvulus in the dog, with emphasis on cardiac arrhythmias. Muir WW. **J Am Vet Med Assoc** 1982 Apr 1;180(7):739–42
What is your diagnosis? Acute gastric dilatation with suppurative bronchopneumonia. Stills HF Jr, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):949–50
Acute gastric dilatation in common marmosets (Callithrix jacchus). Stein FJ, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):522–3
Unusual death of cat [letter] Clark PJ. **Vet Rec** 1982 Jan 2;110(1):21
[Gastric dilatation-gastric torsion complex in the dog: treatment results and recurrence] Baumberger A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):429–33 **(Ger)**

STOMACH DISEASES

Motor disorders of the stomach. Rock E, et al. **Med Clin North Am** 1981 Nov;65(6):1269–89 (224 ref.)

BLOOD

Pharmacokinetics of sustained serum methotrexate concentrations secondary to gastrointestinal obstruction. Evans WE, et al. **J Pharm Sci** 1981 Nov;70(11):1194–8

CHEMICALLY INDUCED

Gastrointestinal perforation following indomethacin therapy in very low birth weight infants. Nagaraj HS, et al. **J Pediatr Surg** 1981 Dec;16(6):1003–7
The pathogenesis of the aspirin-related gastric lesion. Duggan JM. **J R Coll Physicians Lond** 1981 Apr; 15(2):117–8
The roles of ethanol and of acid in the production of gastric mucosal erosions in rats. Morris GP, et al. **Virchows Arch [Cell Pathol]** 1981;38(1):23–38
[Investigations to gastric tolerance of a sustained release theophylline formulation (author's transl)] Lücker PW, et al. **Arzneimittelforsch** 1982;32(4):409–13 (Eng. Abstr.) **(Ger)**
[Gastric damage caused by acetylsalicylic acid] Baldi E. **G Clin Med** 1982 Mar;63(3):171–5 **(Ita)**
[Morbidity caused by acute poisoning with caustic substances] Szabó V, et al. **Rev Chir [Otorinolaringol]** 1981 Oct-Dec;26(4):279–85 **(Rum)**
[Burns of the upper digestive tract caused by ingestion of caustic substances] Ramírez Degollado J, et al. **Rev Gastroenterol Mex** 1982 Jan-Mar;47(1):13–8 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Gastric and small intestinal myoelectric dysrhythmia associated with chronic intractable nausea and vomiting. You CH, et al. **Ann Intern Med** 1981 Oct;95(4):449–51
Pulmonary infection complicating intra-abdominal sepsis: clinical and experimental observations. Richardson JD, et al. **Ann Surg** 1982 Jun;195(6):732–8
Subacute Wernicke's encephalopathy due to gastric syphilis. Reid AC, et al. **Br J Vener Dis** 1981 Oct;57(5):309–11
The association of oesophagitis with disease in the stomach and duodenum. Bateson MC, et al. **Postgrad Med J** 1981 Apr;57(666):217–8
Uncontrolled diabetes mellitus due to gastroparesis diabeticorum: treatment with metoclopramide. Muls EE, et al. **Postgrad Med J** 1981 Mar;57(665):185–8
Duodenogastric reflux in patients with heartburn and oesophagitis. Matikainen M, et al. **Scand J Gastroenterol** 1981;16(2):253–5
[Phytobezoar secondary to diabetic gastropathy (letter)] Grimaldi A, et al. **Nouv Presse Med** 1982 Jan 30;11(4):282 **(Fre)**
[Correlation of gastric secretion with blood calcium and insulin in diabetic gastropathy] Lerinţiu A, et al. **Rev Med Interna [Med Interna]** 1982 Jan-Mar;34(1):55–63 **(Rum)**

DIAGNOSIS

Alterations of surface electrocardiogram in 35 patients during upper fiberendoscopy. Felix SM, et al. **Acta Med Port** 1981 Jul-Aug;3(4):281–9
Upper GI hemorrhage: emergency evaluation and management. Lamphier TA, et al. **Am J Nurs** 1981 Oct; 81(10):1814–7
Pseudo-Zollinger-Ellison syndrome: hypergastrinemia, hyperchlorhydria without tumor. Friesen SR, et al. **Ann Surg** 1981 Oct;194(4):481–93
Accuracy of the first endoscopic procedure in the differential diagnosis of gastric lesions. Llanos O, et al. **Ann Surg** 1982 Feb;195(2):224–6
Gastric sarcoidosis [letter] Jolobe OM, et al. **Gastrointest Endosc** 1981 Aug;27(3):199–200
The endoscopic diagnosis of gastric calcification. Ou Tim L, et al. **J Clin Gastroenterol** 1982 Jun;4(3):213–5
Symptoms and diagnostic delay in patients with carcinoma of oesophagus and gastric cardia: a retrospective study of 225 patients. Ojala K, et al. **Postgrad Med J** 1982 May; 58(679):264–7
Comparison of the barium test meal and the gamma camera scanning technic in measuring gastric emptying. Perkel MS, et al. **South Med J** 1981 Sep;74(9):1065–8
[Diagnostic and economical evaluation of upper digestive endoscopy as the initial investigation of lesions of the upper gastrointestinal tract. A prospective study in 184 unselected not bleeding patients (author's transl)] Deschamps JP, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):229–34 (Eng. Abstr.) **(Fre)**
[Primary gastric tuberculosis, Case report] Vacherot B, et al. **Med Chir Dig** 1981;10(4):341–3 **(Fre)**
[Importance of gastroscopy in chronic uremic patients (author's transl)] Rey JF, et al. **Sem Hop Paris** 1982 Apr 1;58(13):788–92 (Eng. Abstr.) **(Fre)**
[Thickening of the gastric wall in the echographic section (author's transl)] Gerhardt KH, et al. **MMW** 1981 Oct 23; 123(43):1607–11 (Eng. Abstr.) **(Ger)**
[Solitary mycoses of the stomach. Incidence, endoscopic aspects and clinical significance] Cipollini F, et al. **G Clin Med** 1981 Dec;62(12):821–30 (Eng. Abstr.) **(Ita)**
[Statistical analysis of radiological and endoscopic results in the diagnosis of the most frequent clinical manifestations of gastric pathology] Angelini GP, et al. **Minerva Dietol Gastroenterol** 1981 Oct-Dec;27(4):533–40 (Eng. Abstr.) **(Ita)**
[Comparative evaluation of radiographic and endoscopic diagnosis in gastric pathology. Findings in 680 cases] Crisci E, et al. **Minerva Dietol Gastroenterol** 1982 Jan-Mar; 28(1):43–50 (Eng. Abstr.) **(Ita)**
[Significance of endoscopy in the diagnosis of gastropathies and duodenogastric reflux] De Salvo L, et al. **Minerva Dietol Gastroenterol** 1982 Jan-Mar;28(1):39–41 (Eng. Abstr.) **(Ita)**
[Technic and results of radiological examination of the surface of the stomach. Radio-endoscopic comparison in 214 cases] Miceli F, et al. **Minerva Dietol Gastroenterol** 1982 Apr-Jun;28(2):105–10 (Eng. Abstr.) **(Ita)**
[Gastric anisakiasis with acute symptoms--diagnosis and therapy (author's transl)] Yazaki Y. **Hokkaido Igaku Zasshi** 1981 May;56(3):362 **(Jpn)**
[Acute gastric anisakiasis---with special references to clinical features and its roentgenological and endoscopic findings (author's transl)] Yoh T, et al. **Nippon Geka Hokan** 1981 Jan 1;50(1):229–34 **(Jpn)**
[Measurement of duodenogastric reflux: standardization of a new technic with I-131 labeled sulfobromophthalein] Pires PW, et al. **Rev Paul Med** 1981 Jan-Mar;97(1-3):21–4 (Eng. Abstr.) **(Por)**
[Measurement of duodenogastric reflux by I131-labelled bromsulphalein: technical aspects and results in gastric ulcer patients] Pires PW, et al. **Rev Paul Med** 1981 Apr-Jun;97(4–6):50–3 (Eng. Abstr.) **(Por)**
[Gastric trichobezoars] Diaconescu M, et al. **Rev Med Interna [Med Interna]** 1981 Jul-Aug;33(4):411–3 **(Rum)**
[Current methods of diagnosis of stomach diseases (literature review)] Bachev II. **Khirurgiia (Mosk)** 1982 May;5:113–6 (56 ref.) **(Rus)**
[Stomach cysts] Iaremchuk AIa. **Klin Khir** 1981 Aug;(8):76–7 **(Rus)**
[Fibrogastroduodenoscopy in the differential diagnosis of pyloric spasm and pyloric stenosis in newborn infants] Petrova NS, et al. **Pediatriia** 1981 Nov;(11):16–7 (Eng.

Abstr.) **(Rus)**

[Diagnosis and treatment of disorders in pancreatic enzyme secretion, liver function and gastric motor activity in diabetes mellitus] Geller LI, et al. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):7-12 (Eng. Abstr.) **(Rus)**

[Luminescence endoscopy in the diagnosis of stomach diseases] Lisovskiĭ VA, et al. **Sov Med** 1982;(2):54-9 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of extragastric gastrinoma and antral gastrocellular hyperplasia] Pantsyrev IuM, et al. **Sov Med** 1982;(3):92-6 **(Rus)**

[Detection of gastric and duodenal diseases by a thermovisor] Zaĭtseva RI. **Vrach Delo** 1981 Mar;(3):25-9 (Eng. Abstr.) **(Rus)**

[Comparative analysis of endoscopic, radiographic and histopathologic findings in gastroduodenal diseases] Naumov B, et al. **Med Pregl** 1981;34(9-10):401-9 (Eng. Abstr.) **(Sce)**

DRUG THERAPY

Metoclopramide and gastric stasis [letter] Handelsman B. **Ann Intern Med** 1982 Jul;97(1):139

Influence of prednisolone on ethanol-induced gastric injury in the rat. Derelanko MJ, et al. **Dig Dis Sci** 1982 Feb; 27(2):149-54

Cytoprotection - organoprotection by somatostatin: gastric and hepatic lesions. Szabo S, et al. **Experientia** 1982 Feb 15;38(2):254-6

[Effect of prostaglandin E2, cimetidine and geranyl-geranyl-acetone on rat gastric mucosal damage (author's transl)] Terano A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1577-84 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Increased mucosal lysosomal enzyme activity in sepsis-associated gastric lesions. Polson H, et al. **Am J Gastroenterol** 1982 Jul;77(7):457-60

[Studies on biosynthesis of gastric mucosal glycoprotein in gastric diseases. I: Basic studies on UDP-galactosyl transferase in human gastric mucosa (author's transl)] Okamoto S. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep; 78(9):1713-9 (Eng. Abstr.) **(Jpn)**

[Studies on biosynthesis of gastric mucosal glycoprotein in gastric diseases. II. UDP-galactosyl transferase activity of human gastric mucosa in various gastric diseases (author's transl)] Okamoto S. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):1-8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Postsplenectomy gastric deformity. Ansel HJ, et al. **AJR** 1982 Jul;139(1):99-101

Multiple arterial caliber persistence resulting in hematomas and fatal rupture of the gastric wall. Molnár P, et al. **Am J Surg Pathol** 1982 Jan;6(1):83-6

Gastric outlet obstruction in a patient with multiple sclerosis [letter] Graves MC. **Ann Neurol** 1981 Oct;10(4):397-8

Gastric mycosis following gastric resection and vagotomy. Rehnberg O, et al. **Ann Surg** 1982 Jul;196(1):21-5

Pathogenesis of gastric mucosal injury. Guth PH. **Annu Rev Med** 1982;33:183-96 (60 ref.)

Duodenogastric reflux: is there any progress? [letter] Thomas WE. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1266-7

Gastric cytomegalovirus infection in bone marrow transplant patients: an indication of generalized disease. Strayer DS, et al. **Cancer** 1981 Sep 15;48(6):1478-83

Adult acquired antral web. Huggins MJ, et al. **Dig Dis Sci** 1982 Jan;27(1):80-3

Gastric telangiectasias in chronic hemodialysis patients: report of six cases. Cunningham JT. **Gastroenterology** 1981 Dec;81(6):1131-3

Bleeding from gastric angiodysplasia post aortic valve replacement [letter] Keisler DS, et al. **Gastrointest Endosc** 1982 May;28(2):118-9

Gastric outlet obstruction caused by ascitic fluid entrapment in the lesser sac--a complication of advanced ovarian cancer: report of two cases. Krebs HB, et al. **Gynecol Oncol** 1982 Aug;14(1):105-11

Autovagotomy by esophageal carcinoma. An unusual cause of gastric retention without outlet obstruction. Delamarre J, et al. **Hepatogastroenterology** 1981 Oct;28(5):274-5

[Worm granulomas of the stomach in the Netherlands and Japan] van Thiel PH, et al. **Ned Tijdschr Geneeskd** 1981 Aug 22;125(34):1365-70 (Eng. Abstr.) **(Dut)**

[An usual observation of Bouveret syndrome (author's transl)] Pissas A, et al. **Sem Hop Paris** 1981 Nov 8-25; 57(41-42):1740-2 (Eng. Abstr.) **(Fre)**

[Quantification of duodenogastric reflux in patients with different gastric resections (author's transl)] Kliems G, et al. **Langenbecks Arch Chir** 1981;354(4):273-9 (Eng. Abstr.) **(Ger)**

[Primary gastric mycosis, caused by Trichosporon cutaneum (author's transl)] Szili M, et al. **Mykosen** 1982 Apr; 25(4):189-93 **(Ger)**

[Acquired double pylorus disappearing by recurrent ulcer (author's transl)] Blaich E, et al. **Z Gastroenterol** 1981 Dec; 19(12):782-4 **(Ger)**

[Trends in the prevention and treatment of cardial insufficiency] Tajana A, et al. **Minerva Chir** 1982 Mar 15; 37(5):497-500 **(Ita)**

[Smoke and stomach diseases] Malesci A, et al. **Minerva Med** 1982 Sep 22;73(36):2345-8 **(Ita)**

[Gastroplegia and complications after gastric surgery] Moravec R, et al. **Rozhl Chir** 1981 Jul;60(7):439-45 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Immunoperoxidase study of the secretory immunoglobulin system and lysozyme in normal and diseased gastric mucosa. Isaacson P. **Gut** 1982 Jul;23(7):578-88

[Candida cell agglutination test in patients with mycosis of esophagus and stomach (author's transl)] Knoke M, et al. **Mykosen** 1981 Dec;24(12):746-51 (Eng. Abstr.) **(Ger)**

[Peripheral blood T- and B-lymphocytes in chronic stomach diseases] Efimov AV, et al. **Voen Med Zh** 1982 May; (5):53-4 **(Rus)**

METABOLISM

[Levels of various trace elements in the saliva and urine of children with pathology of the digestive organs] Fedorova EV, et al. **Pediatriia** 1982 May;(5):14-6 **(Rus)**

MICROBIOLOGY

[Actinomycosis of the stomach after gastric resection (author's transl)] Werbe G, et al. **Leber Magen Darm** 1982 Jun;12(3):122-7 (Eng. Abstr.) **(Ger)**

[Gastric mucormycosis associated with antibiotic and corticosteroid therapy] Haron ES, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr;36(2):89-90 **(Por)**

OCCURRENCE

Upper gastrointestinal mass survey with panendoscopy in a workplace. Miki K, et al. **Gastrointest Endosc** 1982 May; 28(2):70-2

Gastro-oesophageal candidiasis. Scott BB, et al. **Gut** 1982 Feb;23(2):137-9

[A pilot study of mass survey for gastric diseases (author's transl)] Pan GZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):227-31 (Eng. Abstr.) **(Chi)**

[A survey on gastric diseases in black Africans in Dakar (Senegal) (author's transl)] Thomas J, et al. **Med Trop (Mars)** 1982 Jan-Feb;42(1):9-18 (Eng. Abstr.) **(Fre)**

[Results of subjective and endoscopic studies on the incidence of upper digestive tract pathology among industrial workers] Popiela T, et al. **Med Pr** 1981;32(3):173-82 (Eng. Abstr.) **(Pol)**

[Esophageal and stomach pathology of residents in areas characterized by a high incidence of esophageal cancer morbidity] Aleksandrova NM, et al. **Vopr Onkol** 1982; 28(4):11-4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Magnified observation of elevated lesions of the stomach based on magnifying fiberoptic endoscopy and dissecting microscopy. Okada T, et al. **Endoscopy** 1981 Sep; 13(5):192-6

Gastric candidiasis: an endoscopic and histological study in 26 patients. Minoli G, et al. **Gastrointest Endosc** 1982 May; 28(2):59-61

Mucosal biopsy of the esophagus, stomach, and proximal duodenum. Goldman H, et al. **Hum Pathol** 1982 May; 13(5):423-48

Gastric xanthoma: histologic similarity to signet ring cell carcinoma. Drude RB Jr, et al. **J Clin Gastroenterol** 1982 Jun;4(3):217-21

Gastric xanthomata: the need for recognition [editorial] Humphries TJ. **J Clin Gastroenterol** 1982 Jun;4(3):275-6

Granuloblastomas of the stomach (so-called eosinophilic granulomas)-- a variant of fibrous histiocytomas? Bolck F, et al. **Pathol Res Pract** 1981 May;171(3-4):336-44

[Diffuse telangiectasias of the gastric antrum with and without cirrhosis of the liver as a cause of chronic gastrointestinal bleeding (author's transl)] Schläpfer HU, et al. **Praxis** 1982 Mar 2;71(9):355-9 (Eng. Abstr.) **(Ger)**

[2 cases of an early syphilitic lesion of the stomach] Levin MM, et al. **Vestn Dermatol Venerol** 1981 May;(5):65-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

'Tachygastria' [letter] McCallum RW, et al. **Ann Intern Med** 1982 Mar;96(3):379-80

Gastric emptying and postprandial duodenogastric reflux in dogs with Heineke-Mikulicz pyloroplasty. Müller-Lissner SA, et al. **Br J Surg** 1982 Jun;69(6):323-7

Gastric emptying: a clinical perspective. Heading RC. **Clin Sci** 1982 Sep;63(3):231-5 (38 ref.)

[Electrogastrographic biorefractory action. Importance in psychosomatic medicine. Apropos of 4 cases of gastroduodenal dyskinesia] Voisinet C, et al. **Ann Med Psychol (Paris)** 1981 Feb;139(2):236-45 **(Fre)**

[The functional sensitivity of the parietal cells in various gastric diseases (author's transl)] Schmidt-Wilcke HA. **Z Gastroenterol** 1981 Jul;19(7):317-22 (Eng. Abstr.) **(Ger)**

[Current methods of examination of the gastric system in children] Shamsiev SSh, et al. **Pediatriia** 1982 Apr;(4):42-5 **(Rus)**

[Functional disease of the stomach. A preliminary study on gastric emptying and motility (author's transl)] Medina LA, et al. **Rev Med Chil** 1981 Dec;109(12):1185-7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Gastric emphysema resembling pneumoperitoneum: presentation of a case with a review of the literature. Kowal LE, et al. **Am J Gastroenterol** 1982 Sep;77(9):667-70

Crohn's disease of the stomach and duodenum. Marshak RH, et al. **Am J Gastroenterol** 1982 May;77(5):340-1

Gastroduodenal erosions: radiological findings. Catalano D, et al. **Gastrointest Radiol** 1982;7(3):235-40

[An analysis of the diagnostic information derived from screening as against films during radiological examination of the stomach (author's transl)] Richter K, et al. **ROFO** 1982 Jun;136(6):649-52 (Eng. Abstr.) **(Ger)**

[A study of amount of information in X-ray examination of gastric disease (author's transl)] Yamamoto A. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(8):759-69 (Eng. Abstr.) **(Jpn)**

[Clinicoradiological aspects of pathology of esophagocardial area] Mărgineanu C, et al. **Rev Med Interna [Med Interna]** 1981 Jul-Aug;33(4):331-6 **(Rum)**

[Use of cerucal and galanthamine in the x-ray diagnosis of stomach and duodenal diseases] Butvin GK, et al. **Sov Med** 1981;(7):115-7 **(Rus)**

[The value of radiographic examinations of resected ventricles] Hedlund B, et al. **Lakartidningen** 1981 Sep 23; 78(39):3395-6 **(Swe)**

RADIONUCLIDE IMAGING

Meckel diverticulum, Barrett esophagus and retained gastric antrum syndrome. Marcus CS, et al. **Conn Med** 1982 Apr; 46(4):188

Scintigraphic evaluation of disorders of the esophagus, stomach, and duodenum. Malmud LS, et al. **Med Clin North Am** 1981 Nov;65(6):1291-310

RADIOTHERAPY

Gastric radiotherapy as treatment of hereditary hemorrhagic telangiectasia. Schwartz JT, et al. **Am J Gastroenterol** 1982 Jan;77(1):53-4

SURGERY

Successful endoscopic electrocoagulation of gastric lesions of hereditary hemorrhagic telangiectasia responsible for repeated hemorrhage. Weaver GA, et al. **Gastrointest Endosc** 1981 Aug;27(3):181-3

[Antibiotic prevention in surgical gastroenterology. III. gastric surgery] Nielsen ML, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1826-9 (23 ref.) (Eng. Abstr.) **(Dan)**

[Indication for operation and results in cardia insufficiency with or without hiatic hernia in childhood (author's transl)] Hecker WC. **Monatsschr Kinderheilkd** 1982 Mar; 130(3):122-5 (Eng. Abstr.) **(Ger)**

[Radiological evaluation of a new method for gastric replacement by the interposition of an isoanisoperistaltic jejunal segment (author's transl)] Wolf KJ, et al. **ROFO** 1981 Aug;135(2):169-76 (Eng. Abstr.) **(Ger)**

[Gastric trichobezoar: a case report (author's transl)] Monciotti C, et al. **Pediatr Med Chir** 1981 Sep-Oct; 3(5):429-30 (Eng. Abstr.) **(Ita)**

[Reoperation because of early complications after gastroduodenal surgery] Liavåg I. **Tidsskr Nor Laegeforen** 1981 Nov 30;101(33):1875-7 (Eng. Abstr.) **(Nor)**

THERAPY

Gastroduodenal disorders: common dilemmas in management. Austad WI. **Drugs** 1982 Jan-Feb; 23(1-2):158-64

Experimental modification of digestive pathology. Welgan PR. **Neurosci Biobehav Rev** 1981 Fall;5(3):401-4

VETERINARY

Anthelmintic efficacy of 22,23-dihydroavermectin B1 against gastrointestinal nematodes in calves. Benz GW, et al. **Am J Vet Res** 1981 Aug;42(8):1409-11

Gastric hematoma in a horse. Brown CM, et al. **Mod Vet Pract** 1981 Aug;62(8):617-8

[A survey of gastro-intestinal helminths of dogs in New Zealand. Collins GH. **NZ Vet J** 1981 Sep;29(9):163-4

Conditions of the stomach and small intestine: differential diagnosis and surgical management. Robertson JT. **Vet Clin North Am [Large Anim Pract]** 1982 May; 4(1):105-27

Safe management and prevention of gastric distention volvulus in dogs. Lanier MW. **VM SAC** 1981 May; 76(5):683-6

[Gastric dilatation-gastric torsion complex in the dog: treatment results and recurrence] Baumberger A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):429-33 **(Ger)**

STOMACH DIVERTICULA

DIAGNOSIS

[Diagnostic and therapeutic considerations on gastric

diverticula. Case reports] Paparella A, et al. **Chir Ital** 1981 Jun;33(3):712–7 **(Ita)**
[Diverticula of the stomach] Zemlianoĭ AG. **Vestn Khir** 1981 Nov;127(11):38–42 **(Rus)**

ETIOLOGY

Aetiology of gastric diverticula – an hypothesis. Kurgan A, et al. **Med Hypotheses** 1981 Dec;7(12):1471–6

RADIOGRAPHY

[Gastric diverticulum. Personal observation of a case] Nanni G, et al. **Chir Patol Sper** 1979 Aug;27(4):398–404 (Eng. Abstr.) **(Ita)**

STOMACH NEOPLASMS

Gastric polyps: a review. Neimark S, et al. **Am J Gastroenterol** 1982 Aug;77(8):585–7 (26 ref.)
Spontaneous disappearance of gastric polyps [letter] Elsborg L. **Gastroenterology** 1982 Apr;82(4):820–1
Crohn's disease of the upper gastro-intestinal tract. Case report and review of the literature. Bianco L, et al. **Panminerva Med** 1981 Jan-Mar;23(1):11–6 (18 ref.)
A young gastric carcinoma patient with umbilical and scrotal metastasis. Miwa M, et al. **Tokai J Exp Clin Med** 1981 Jul;6(3):305–8
[Stomach cancer. Spontaneous course, therapy and prognosis] Joss R, et al. **Schweiz Med Wochenschr** 1982 Feb 27;112(9):290–6 (57 ref.) (Eng. Abstr.) **(Ger)**
[Unusual case of double tumor of the stomach: carcinoid and adenocarcinoma] Matocci GC, et al. **Pathologica** 1980 Sep–Oct;72(1021):667–75 (Eng. Abstr.) **(Ita)**
[A case of gastric leiomyosarcoma with extensive omental invasion (author's transl)] Nakatsuka H, et al. **Rinsho Hoshasen** 1981 Feb;26(2):303–6 (Eng. Abstr.) **(Jpn)**
[Primary cancer of the gastric stump: considerations on 18 cases] Abrão A, et al. **Rev Paul Med** 1981 Jul–Sep; 97(7–9):116–20 (Eng. Abstr.) **(Por)**
[Laparoscopy in the diagnosis of abdominal metastases of stomach cancer] Chissov VI, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):13–6 (Eng. Abstr.) **(Rus)**
[Mechanism of dissemination of cancer of the cardia to the esophagus] Rybakova NI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):18–21 **(Rus)**
[Radionuclide and x-ray diagnosis of metastatic tumors of the gastrointestinal tract] Makeev AI, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):45–9 (Eng. Abstr.) **(Rus)**
[Scalp metastases of a gastric cancer] Mieras C, et al. **Actas Dermosifiliogr** 1981 Sep–Oct;72(9–10):483–6 (Eng. Abstr.) **(Spa)**
[Bone metastases of stomach cancer. Apropos of 7 cases] Vilches Carretero JM, et al. **Rev Clin Esp** 1981 Sep 15; 162(5):215–7 **(Spa)**

ANALYSIS

The presence of blood group A-active glycolipids in cancer tissues from blood group O patients. Hattori H, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):361–9
Pregnancy-specific beta glycoprotein (SP1) in tumours of the human gastrointestinal tract. Skinner JM, et al. **Br J Cancer** 1981 Sep;44(3):476–8
Gastric mucosal prostaglandin E levels in patients with gastric ulcer disease and carcinoma. Wright JP, et al. **Gastroenterology** 1982 Feb;82(2):263–7
Comparative study on the nuclear DNA content of leiomyoma, leiomyoblastoma and leiomyosarcoma of the stomach and small intestine. Kimura O, et al. **Jpn J Surg** 1981;11(6):428–32

BLOOD

Nonantral gastric carcinoids and hyperglastrinemia [letter] Bordi C. **Arch Surg** 1981 Sep;116(9):1238
Significance of pregnancy-associated alpha 2-glycoprotein (alpha 2-PAG) in patients with breast, gastric and colorectal cancer. Shimizu Y, et al. **Biken J** 1981 Sep; 24(3):95–102
Plasma protein profiles and prognosis in gastric cancer. Rashid SA, et al. **Br J Cancer** 1982 Mar;45(3):390–4
Can acute phase reactants distinguish benign and malignant disease of the upper gut? Grindulis KA, et al. **Clin Oncol** 1981 Dec;7(4):345–50
Serum immunoglobulins in carcinoma of various organs. Gupta SC, et al. **Indian J Cancer** 1981 Dec;18(4):277–81
Long-term trend of haemoglobin decrease in stomach cancer. Nakamura T, et al. **Med Inf (Lond)** 1982 Jan–Mar; 7(1):29–38
[Distribution of ABO blood groups among patients with carcinoma of esophagus and gastric cardia in Linxian People's Hospital (author's transl)] Wu M, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):16–8 (Eng. Abstr.) **(Chi)**
[Hemolytic anemia and consumption coagulopathy as a paraneoplastic syndrome in adenocarcinoma] Misera R, et al. **Med Welt** 1981 Aug 14;32(32–33):1214–5 **(Ger)**
[Studies on gastrin release in patients with gastric cancer and that in men and dogs after gastrectomy. Part I : clinical studies on the fasting serum gastrin levels in gastric cancer and postgastrectomy patients. Part II : clinical and experimental studies on the gastrin release after various gastrectomies in man and dog (author's transl)] Odawara R. **Igaku Kenkyu** 1980 Jun;50(5):373–96 (Eng. Abstr.) **(Jpn)**
[A case of Cronkhite-Canada syndrome presenting accentuated fibrinolytic activity of gastrointestinal mucosa (author's transl)] Uraoka M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct;78(10):2003–7 **(Jpn)**
[Case of stomach cancer with erythroleukemic reaction and thrombopenic purpura] Kuliszkiewicz-Janus M, et al. **Acta Haematol Pol** 1981 Jan-Mar;12(1):37–40 (Eng. Abstr.) **(Pol)**
[Hexokinase and lactate dehydrogenase activity, lactic and pyruvic acid content of erythrocytes and acid-base equilibrium in stomach cancer patients after radical operations] Golub IKh, et al. **Vopr Onkol** 1981;27(9):24–7 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[A microangiographic study on the vascular pattern of the stomach in early carcinoma with particular reference to the color change in gastric endoscopy (author's transl)] Sakaguchi K. **Fukuoka Igaku Zasshi** 1981 Nov; 72(11):609–32 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Tumorigenesis with 1,1-diallylhydrazine in mice. Toth B, et al. **Anticancer Res** 1981;1(5):259–62
Cancer induction after pyloroplasty in rats: treatment with N-methyl-N'-nitro-N-nitrosoguanidine. Salmon RJ, et al. **Arch Surg** 1982 Jun;117(6):768–71
Carcinogenicities of quinoline derivatives in F344 rats. Fukushima S, et al. **Cancer Lett** 1981 Nov;14(2):115–23
Aroclor 1254-induced intestinal metaplasia and adenocarcinoma in the glandular stomach of F344 rats. Morgan RW, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5052–9
Enhanced effect of gastrin on rat stomach carcinogenesis induced by N-methyl-N'-nitro-N-nitrosoguanidine. Tahara E, et al. **Cancer Res** 1982 May;42(5):1781–7
Hypertension, cerebrovascular disease and stomach cancer: is the salt hypothesis true? Whelton PK, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):369s–371s
Effect of sex hormones on the experimental induction of cancer in rat stomach – a preliminary study. Furukawa H, et al. **Digestion** 1982;23(3):151–5
Forestomach tumors induced by orally administered epichlorohydrin in male Wistar rats. Konishi Y, et al. **Gan** 1980 Dec;71(6):922–3
Comparative studies on the production of stomach tumors following the intubation of several doses of N-methyl-N'-nitro-N-nitrosoguanidine in germ-free and conventional newborn rats. Sumi Y, et al. **Gan** 1981 Oct; 72(5):700–4
Influence of daily subcutaneous administration of 6-methylprednisolone and oral application of 30% saline solution on tumorigenesis induced in mouse stomach by single application of 7,12-dimethylbenz(a)anthracene. Wagner G, et al. **J Cancer Res Clin Oncol** 1982;103(2):207–9
Gastritis, nitrosamines, and gastric cancer. Stemmermann GN, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):23–7
Gastrin protection against chemically induced gastric adenocarcinomas in Wistar rats: histopathology of the glandular stomach and incidence of gastric adenocarcinoma. Tatsuta M, et al. **JNCI** 1982 Jul; 69(1):59–66
Cimetidine, nitrosation, and cancer [letter] **Lancet** 1981 Oct 31;2(8253):984
Cimetidine, nitrosation, and carcinogenicity [letter] Brimblecombe R. **Lancet** 1981 Sep 26;2(8248):686–7
Cimetidine, nitrosation, and carcinogenicity [letter] Brimblecombe RW. **Lancet** 1982 Feb 13;1(8268):402–3
Gastric juice N-nitrosamines in health and gastroduodenal disease. Reed PI, et al. **Lancet** 1981 Sep 12;2(8246):550–2
Cimetidine, nitrosation, and carcinogenicity [letter] Reed PI, et al. **Lancet** 1981 Dec 5;2(8258):1281–2
[Cimetidine and stomach carcinoma] Festen HP. **Ned Tijdschr Geneeskd** 1981 Nov 21;125(47):1929–31 **(Dut)**
[Stomach cancer from cimetidine?] von Günter Lambrecht B. **Med Monatsschr Pharm** 1982 Jul;5(7):212–4 **(Ger)**
[A case of primary D-cell origin lymphoma of the stomach seen during diphenylhydantoin therapy (author's transl)] Matoba K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1797–802 **(Jpn)**
[Apropos the article by N. Ia. Ianyshevaia, I. A. Chernichenko, N. V. Balenko and N. A. Pavlova, 'The Effect of Exposure Duration and size of a Single Benzo(a) pyrene Dosage on the Nature and Intensity of the Carcinogenic Reaction'] Moskalev IuI. **Gig Sanit** 1981 Sep; (9):63–4 **(Rus)**
[Experimental carcinoma of the stomach (author's transl)] Duriš I, et al. **Bratisl Lek Listy** 1981 Oct;76(4):401–22 (Eng. Abstr.) **(Slo)**

CLASSIFICATION

Magnified observation of elevated borderline lesions (adenoma) of the stomach based on dissecting microscopy and magnifying fiberoptic endoscopy. Nishizawa M, et al. **Endoscopy** 1981 Nov;13(6):234–7
The general rules for the gastric cancer study in surgery ad pathology. Part II. Histological classification of gastric cancer. **Jpn J Surg** 1981 Mar;11(2):140–5
The general rules for the gastric cancer study in surgery and pathology. Part I. Clinical classification. Kajitani T. **Jpn J Surg** 1981 Mar;11(2):127–39

COMPLICATIONS

Cor pulmonale due to tumor cell embolization. Report of a case and a brief review of the literature. Kupari M, et al. **Acta Med Scand** 1981;210(6):507–10
Gastric filling defects in association with a malignant lymphoma. **AJR** 1982 Jul;139(1):103–5
Systemic lupus erythematosus and gastric carcinoma: a report of two cases and a critical review of the literature. Chuong JJ, et al. **Am J Gastroenterol** 1982 Sep;77(9):611–3
Adenocarcinoma at the site of a healed gastric ulcer after 10 years of endoscopic observations. Novis BH, et al. **Am J Gastroenterol** 1982 Feb;77(2):99–100
Gastric carcinoma and thrombotic thrombocytopenic purpura: association with plasma immune complex concentrations. Zimmerman SE, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1432–4
Gastric carcinoma with psammomatous calcification: report of a case, with reference to calculogenesis. Murayama H, et al. **Cancer** 1982 Feb 15;49(4):788–96
Generalized acanthosis nigricans. Andreev VC, et al. **Dermatologica** 1981;163(1):19–24
Failure of clinical criteria to distinguish between primary achalasia and achalasia secondary to tumor. Sandler RS, et al. **Dig Dis Sci** 1982 Mar;27(3):209–13
Gastric adenomyoma with coincidental pancreatic rest: a case report. Zarling EJ. **Gastrointest Endosc** 1981 Aug; 27(3):175–7
Bleeding carcinomatous ulcer of the stomach [letter] Hunt PS, et al. **Med J Aust** 1982 Jun 12;1(12):494
Intubation of inoperable tumours of the oesophagogastric junction. Moll FL, et al. **Neth J Surg** 1982 Mar;34(1):8–12
Adenocarcinoma of the stomach and Fanconi's anaemia. Hill LS, et al. **Postgrad Med J** 1981 Jun;57(668):404
The coexistence of gastric cancer and duodenal ulcers. Miwa M, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):203–5
Achylia and the development of gastric carcinoids. Wilander E. **Virchows Arch [Pathol Anat]** 1981;394(1–2):151–60
[Diagnosis and management of massive bleeding from gastric cardiac cancer (author's transl)] Sun CF. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):165–7 (Eng. Abstr.) **(Chi)**
[Complications of cancer of the stomach] Roux M, et al. **Minerva Chir** 1981 Dec 15–31;36(23–24):1713–4 **(Fre)**
[Perforation of a malignant lymphoma of the stomach] Liebling G, et al. **Z Arztl Fortbild (Jena)** 1982 May 1; 76(9):414–5 **(Ger)**
[Patient with stomach polyps--a risk group for colorectal tumors? Haemoccult studies on 106 patients] Liebe S, et al. **Z Gesamte Inn Med** 1981 Sep 15;36(18):682–4 (Eng. Abstr.) **(Ger)**
[Cystic lymphangioma of the spleen associated with intramural gastric pancreas] Gervino L, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):631–40 **(Ita)**
[Acute complications in 2 cases of gastric angioma] Ricci M, et al **Minerva Chir** 1982 May 15;37(9):813–6 (Eng. Abstr.) **(Ita)**
[Treatment of malignant ascites. II. Immunological studies on disappearance of ascites by intraperitoneal injection of a streptococcal preparation, OK-432 (author's transl)] Katano M. **Fukuoka Igaku Zasshi** 1981 Oct;72(10):543–55 (Eng. Abstr.) **(Jpn)**
[A case of malignant lymphoma (Hodgkin's disease) in the stomach with hypoproteinemia (author's transl)] Matsumoto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr;79(4):983–7 **(Jpn)**
[Subdural hematoma secondary to chronic DIC due to gastric cancer (author's transl)] Furui T, et al. **No Shinkei Geka** 1981 Jul;9(8):935–9 (Eng. Abstr.) **(Jpn)**
[An autopsy case of smoldering acute leukemia with double gastric cancers (author's transl)] Yamauchi K, et al. **Rinsho Ketsueki** 1981 Aug;22(8):1277–83 (Eng. Abstr.) **(Jpn)**
[Polyneuropathy and gastric cancer. A patient with a good prognosis] Tjørstad K. **Tidsskr Nor Laegeforen** 1981 Jun 20;101(17–18):1064–5 (Eng. Abstr.) **(Nor)**
[3 cases of dermatomyositis with or without neoplasm, treated at the Rheumatology Department of the District Hospital in Plock] Luszczewska-Król J, et al. **Reumatologia** 1981; 19(1):71–4 (Eng. Abstr.) **(Pol)**
[Profuse hemorrhage from ulcerated neurofibroma of the stomach] Kats VI, et al. **Khirurgiia (Mosk)** 1982 May;5:108 **(Rus)**
[Benign stomach tumors as the cause of hemorrhage from the upper digestive tract] Puchalski Z, et al. **Klin Khir** 1982 May;(5):48–9 **(Rus)**
[Profuse internal hemorrhage as a complication of leiomyoma] Ushatenko PP, et al. **Klin Khir** 1982 May; (5):50–1 **(Rus)**
[Gastric polyposis associated with tubular bone osteodystrophy and lipomatosis] Fisher AA, et al. **Klin Med (Mosk)** 1981 Aug;59(8):83–4 **(Rus)**
[Achalasia of the esophagus and cancer of the gastric stump] Del Campo R, et al. **Rev Esp Enferm Apar Dig** 1981 Oct; 60(4):379–84 (Eng. Abstr.) **(Spa)**
[Gastric lipoma: a new case] Gago Romon P, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):299–302 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Endoscopy in the management of gastric ulcer disease. Malmaeus J, et al. **Acta Chir Scand** 1981;147(7):551–3

Cytodiagnosis of gastric carcinoma, linitis plastica type (diffuse, infiltrating, poorly differentiated adenocarcinoma). An–Foraker SH, et al. **Acta Cytol (Baltimore)** 1981 Jul–Aug;25(4):361–6

Gastric lymphoma diagnosed by fiberoptic endoscopy in a child. Cucchiara S, et al. **Acta Paediatr Scand** 1981 Nov; 70(6):945–8

Gastric leiomyosarcoma. Nauert TC, et al. **AJR** 1982 Aug; 139(2):291–7

Gastric carcinoid syndrome diagnosed by endoscopy. Giordano JA. **Am J Gastroenterol** 1981 Jul;76(1):41–3

Significance of mass survey for gastric cancer from the standpoint of surgery. Kaibara N, et al. **Am J Surg** 1981 Nov;142(5):543–5

Adenomyoma of the pylorus presenting as intestinal obstruction with pseudomyxoma peritonei—a case report. Ng WC, et al. **Ann Acad Med Singapore** 1981 Oct; 10(4):562–5

LDH in gastric juice and its limitation in the diagnosis of gastric cancer. Ibrahim KS, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):364–7

Early gastric cancer [editorial] Green PH, et al. **Ann Intern Med** 1982 Aug;97(2):272–3

Accuracy of the first endoscopic procedure in the differential diagnosis of gastric lesions. Llanos O, et al. **Ann Surg** 1982 Feb;195(2):224–6

Management of premalignant esophagogastric lesions. Sampliner RE. **Ariz Med** 1982 May;39(5):312–3

Clinical and endoscopic study of early gastric cancer. Report of fifteen cases and review of Chinese literature. Guangbi Y, et al. **Aust NZ J Med** 1982 Jun;12(3):284–6

Tissue polypeptide antigen – a new tumour marker? Wagner W, et al. **Aust NZ J Surg** 1982 Feb;52(1):41–3

Gastric cancer [editorial] Thompson H. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):684–5

Early gastric cancer. Heughan C, et al. **Can J Surg** 1982 Jan;25(1):83–5

beta–Glucuronidase in gastric aspirate after oral cimetidine in the diagnosis of carcinoma of the stomach. Sulochana G, et al. **Clin Chim Acta** 1982 Feb 26;119(1–2):115–9

The role of cytologic studies in the diagnosis of carcinoma of the stomach. Au FC, et al. **Curr Surg** 1982 May–Jun; 39(3):163–4

Endoscopic service for general practice. Møllmann KM. **Dan Med Bull** 1981 Aug;28(3):92–6

Endoscopic service for general practice. Organisation and experience. Møllmann KM. **Dan Med Bull** 1981 Aug; 28(3):96–9

Early diagnosis of gastric cancer. The possibility of delimiting high risk groups. Møllmann KM. **Dan Med Bull** 1981 Aug; 28(3):89–92

Effectiveness of the small–diameter panendoscope in diagnosing cancers of the upper gastrointestinal tract. Nishizawa M, et al. **Endoscopy** 1982 Jan;14(1):19–21

Endoscopic determination of the extent of early ulcerated gastric cancer by the Congo red test. Tatsuta M, et al. **Endoscopy** 1982 Mar;14(2):41–4

Evaluation of brush rinsings for the cytologic diagnosis of esophageal and gastric cancer. Batra SK, et al. **Gastrointest Endosc** 1982 Feb;28(1):23–5

Early gastric cancer: report of five cases. Eckstam EE. **Gastrointest Endosc** 1981 Aug;27(3):174–5

Polyps in the acid–secreting area of the stomach. Tatsuta M, et al. **Gastrointest Endosc** 1981 Aug;27(3):145–9

Value of biopsy and brush cytology in the diagnosis of gastric cancer. Shanghai Gastrointestinal Endoscopy Cooperative Group, People's Republic of China. **Gut** 1982 Sep; 23(9):774–6

Endoscopy and gastric cancer. Holdstock G, et al. **Gut** 1981 Aug;22(8):673–6

Delay and denial complicating cancer. Case presentation. Livstone E. **Hosp Pract** 1981 Nov;16(11):184–5, 188

Leiomyoblastoma of stomach–a case report. Gupta JC, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):273–6c

The role of a serum DNA–binding protein (64DP) in the diagnosis of malignant neoplasms. Mitomi T, et al. **Int Adv Surg Oncol** 1982;5:245–59

Gastric polyps. Fabry TL, et al. **J Clin Gastroenterol** 1982 Feb;4(1):23–7

Linitis plastica involving the entire gastrointestinal tract. Harper TG, et al. **J Clin Gastroenterol** 1982 Feb;4(1):29–33

Earlier diagnosis of gastric infiltrating carcinoma (scirrhous cancer). Kohli Y, et al. **J Clin Gastroenterol** 1981 Mar; 3(1):17–20

Morphological characteristics and distribution patterns of epithelial cells in the cytological diagnosis of gastric cancer. Young JA, et al. **J Clin Pathol** 1982 Jun;35(6):585–90

Early carcinoma of the stomach. A ten–year survey. Busuttil A, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):322–7

Adenocarcinoma of the stomach associated with pregnancy. Skokos CK, et al. **J Tenn Med Assoc** 1982 Feb;75(2):103

Smooth muscle tumors of the stomach. Koike Y, et al. **Jpn J Surg** 1981;11(3):184–8

Gastric juice enzymes and stomach cancer [letter] Rogers K, et al. **Lancet** 1981 Oct 31;2(8253):984

Gastric cancer and cimetidine: does delay in diagnosis matter? [letter] Scotcher S, et al. **Lancet** 1981 Sep 19;2(8247):630–1

Blood group antigens and gastric cancer. Feizi T. **Med Biol** 1982 Feb;60(1):7–11 (24 ref.)

Reactive lymphoid hyperplasia of the stomach (gastric pseudolymphoma): case report. Yeager RA, et al. **Milit Med** 1981 Oct;146(10):707–11

Gastrointestinal malignancy and the ESR. Salter RH. **Practitioner** 1981 Apr;225(1354):566–8

Ultrasonic examination of the abdomen in malignant disease: Part 2 Other abdominal organs, including kidney, stomach and pancreas. John C. **Radiography** 1982 Jun; 48(570):107–12

Ultrasonography and computed tomography of gastric wall lesions. Yeh HC, et al. **Radiology** 1981 Oct;141(1):147–55

The application of morphometry in gastric cytological diagnosis. Boon ME, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):159–64

[Potentials of laparoscopy in determining the extraorganic spread of recurrent stomach cancer] Krüstev B, et al. **Khirurgiia (Sofiia)** 1981;34(3):299–301 (Bul)

[Analysis of 37 operated cases misdiagnosed as carcinoma of esophagus or cardia (author's transl)] Du XQ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):48–50 (Eng. Abstr.) (Chi)

[Erroneous diagnosis of cancer of gastric cardia–a report of 4 cases (author's transl)] Wang B, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):132–3 (Eng. Abstr.) (Chi)

[Diagnosis and treatment of superficial spreading type of early gastric carcinoma (author's transl)] Zhang WF, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Dec;2(4):278–81 (Eng. Abstr.) (Chi)

[The problems concerning the diagnosis of the early stage of gastric carcinoma (author's transl)] Yu ZL. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):689–94 (Chi)

[Clinical and endoscopical studies of gastric sarcoma (author's transl)] Jan CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):724–31 (Eng. Abstr.) (Chi)

[Gastric carcinoid with atypical metastases in the liver (author's transl)] Procházka M, et al. **Cas Lek Cesk** 1981 Aug 20;120(33):1000–2 (Eng. Abstr.) (Cze)

[Early carcinoma of the stomach] Jirásek V, et al. **Cesk Gastroenterol Vyz** 1981 Dec;35(8):365–74 (Eng. Abstr.) (Cze)

[Role of stomach fibroscopy in indications for surgery] Kodlová E, et al. **Rozhl Chir** 1981 Feb;60(2):97–100 (Eng. Abstr.) (Cze)

[Clinical manifestations of aberrant pancreas] Vobořil Z, et al. **Rozhl Chir** 1980 Jul;59(7):490–3 (Eng. Abstr.) (Cze)

[Fibroscopy and supplementary methods in the detection of gastric cancer. II. Brush cytology] Ronský R, et al. **Vnitr Lek** 1981 Nov;27(11):1068–72 (Eng. Abstr.) (Cze)

[Fibroscopy and supplementary methods in the detection of gastric cancer. I. Endoscopy and directed biopsy] Ronský R, et al. **Vnitr Lek** 1981 Nov;27(11):1060–7 (Eng. Abstr.) (Cze)

[Follow–up study of patients after screening for stomach cancer] Møllmann KM. **Ugeskr Laeger** 1981 Jul 6; 143(28):1755–8 (Eng. Abstr.) (Dan)

[Economic analysis of trials in the early diagnosis of gastric cancer] Møllmann KM, et al. **Ugeskr Laeger** 1981 Mar 23; 143(13):839–43 (Eng. Abstr.) (Dan)

[Ectopic pancreatic tissue as a polypoid tumor in the stomach] Plucnar BJ, et al. **Ugeskr Laeger** 1981 Jun 29; 143(27):1694–6 (Eng. Abstr.) (Dan)

[Kaposi's disease with digestive localisation in a black Zaïrian patient (author's transl)] Limbos P, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec;44(11–12):568–77 (Eng. Abstr.) (Fre)

[Early gastric cancer—special geriatric problems (author's transl)] Rösch W. **Aktule Gerontol** 1981 Mar;11(2):57–9 (Eng. Abstr.) (Ger)

[Clinical aspects and prognosis of stomach cancer] Hünicke H, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(4):192–9 (Eng. Abstr.) (Ger)

[Pleural metastases can simulate a mesothelioma] Sommer T, et al. **Med Klin** 1981 Oct 23;76(22):626–9 (Eng. Abstr.) (Ger)

[Early diagnosis of stomach cancer: reality or illusion?] Caduff B, et al. **Schweiz Med Wochenschr** 1982 Apr 12; 112(15):526–8 (Eng. Abstr.) (Ger)

[KCl–tumor extracts in the electrophoretic mobility test [EMT]. – Clinical relevance to diagnosis of gastric cancer (author's transl)] Muhrer KH, et al. **Z Gastroenterol** 1982 Jul;20(7):376–83 (Eng. Abstr.) (Ger)

[Changes in gastroenterology by endoscopy. Diagnostic and therapeutic progress in gastric carcinoma (author's transl)] Rösch W. **Z Gastroenterol** 1982 May;20(5):257–62 (Eng. Abstr.) (Ger)

[Reliability in gastroscopic diagnosis of stomach diseases] Kimmig JM. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1875–9 (Ger)

[Malignant gastric ulcer] Neaman A, et al. **Harefuah** 1981 Aug;101(3–4):53–4 (Eng. Abstr.) (Heb)

[Early gastric cancer (editorial)] Novis B, et al. **Harefuah** 1981 Jul;101(1–2):37–8 (Heb)

[Description of a case of gastric carcinoid tumor] Accarpio G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):231–4 (Ita)

[A gastric Precancerous lesion: the adenomatous polyp] Colombo F. **Chir Ital** 1981 Dec;33(6):1245–50 (Ita)

[7 cases of heterotopic pancreatic islands simulating gastroduodenal ulcer] Rizzi B, et al. **Chir Ital** 1981 Jun; 33(3):674–92 (Ita)

[Description of a case of diffuse gastric polyposis] Robera L, et al. **Minerva Dietol Gastroenterol** 1981 Oct–Dec; 27(4):575–8 (Eng. Abstr.) (Ita)

[Giant gastric leiomyoma] Oleszkiewicz L, et al. **Wiad Lek** 1982 May 1;35(3–4):245–8 (Eng. Abstr.) (Pol)

[Gastric lipoma] Pawłowicz Z, et al. **Wiad Lek** 1981 Sep 1;34(17):1445–6 (Pol)

[Gastric cancer – re–evaluation of the diagnostic methods] Carnicelli C, et al. **AMB** 1981 Dec;27(12):362–4 (Eng. Abstr.) (Por)

[Benign gastric tumors. Unusual forms. Therapeutic considerations] Burlui D, et al. **Rev Chir [Chir]** 1981 Jul–Aug;30(4):267–72 (Eng. Abstr.) (Rum)

[Endoscopic examination in the early diagnosis of digestive cancer with high morbidity (gastric and colonic)] Oproiu AC, et al. **Rev Med Interna [Med Interna]** 1981 Jul–Aug; 33(4):319–29 (Eng. Abstr.) (Rum)

[Nonepithelial tumors of the gastrointestinal tract] Dubrovskiĭ AA, et al. **Khirurgiia (Mosk)** 1981 Nov; (11):19–21 (Eng. Abstr.) (Rus)

[Involvement of the upper digestive tract in patients with cancer of the large intestine] Kolesnikova GD, et al. **Khirurgiia (Mosk)** 1982 May;5:59–62 (Rus)

[Potentials of x–ray and endoscopic study methods in the diagnosis of cancer recurrences in the area of the esophageal anastomoses] Kokhanova GA, et al. **Klin Khir** 1982 May;(5):11–4 (Eng. Abstr.) (Rus)

[Incidence of detecting regional metastases of cancer of the proximal section of the stomach] Stoliarov VI, et al. **Klin Khir** 1982 May;(5):14–6 (Rus)

[Clinical aspects and diagnosis of gastric sarcomas] Chesnokova EV, et al. **Klin Med (Mosk)** 1982 Feb; 60(2):56–9 (Rus)

[Villous tumors of the stomach] Chibis OA, et al. **Klin Med (Mosk)** 1980 Jul;58(7):68–71 (Eng. Abstr.) (Rus)

[Pseudolymphoma of the stomach (preoperative diagnostic possibilities)] Tsodikov GV, et al. **Klin Med (Mosk)** 1982 Apr;60(4):23–9 (Rus)

[Primary ulcerative cancer of the stomach] Vinner MG, et al. **Klin Med (Mosk)** 1982 Mar;60(3):52–5 (Eng. Abstr.) (Rus)

[Possibilities of scintigraphy and laparoscopy in the diagnosis of stomach cancer metastases to the liver] Chissov VI, et al. **Sov Med** 1981;(6):94–6 (Rus)

[Early stomach cancer] Kharchenko VP, et al. **Sov Med** 1982; (4):76–9 (60 ref.) (Rus)

[Use of immunologic tests to predict the course of stomach cancer] Blokhina NG, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):44–9 (Eng. Abstr.) (Rus)

[Functional obstruction of the cardia and cancer localized in the cardia and esophagus] Cherniavskiĭ AA, et al. **Vestn Khir** 1982 Mar;128(3):14–9 (Eng. Abstr.) (Rus)

[Neurogenic stomach tumors] Leporskiĭ VN. **Vestn Khir** 1982 May;128(5):21–4 (Eng. Abstr.) (Rus)

[Spontaneous blood serum chemiluminescence in detecting recurrences and metastases of cancer of the proximal portion of the stomach and esophagus] Baraboĭ VA, et al. **Vopr Onkol** 1982;28(4):17–20 (Eng. Abstr.) (Rus)

[Determination of the labeling index in stomach tumors (preliminary report)] Blokhina NG, et al. **Vopr Onkol** 1982; 28(5):88–91 (Eng. Abstr.) (Rus)

[Measurement of the transmucosal biopotential differential via a fiber endoscope as a means of diagnosing the spread of malignant stomach neoplasms into the serous membrane] Britsis FA, et al. **Vopr Onkol** 1982;28(8):44–50 (Eng. Abstr.) (Rus)

[Importance of dispensary care in detecting the early stage of stomach cancer] Denisov LE, et al. **Vopr Onkol** 1982; 28(8):40–4 (Rus)

[Use of the pepsinogen–pepsin test in examining persons at high risk of stomach cancer] Kalinovskiĭ VP, et al. **Vopr Onkol** 1981;27(10):30–4 (Eng. Abstr.) (Rus)

[Diagnosis of precancerous changes and early cancer of the stomach on a background of atrophic gastritis (based on data from the Kazakh Research Institute of Oncology and Radiology)] Kurmanov D, et al. **Vopr Onkol** 1982; 28(4):60–3 (Rus)

[Spread of stomach cancer to the esophagus from the viewpoint of the roentgenologist, surgeon and morphologist] Kuznetsov AI. **Vopr Onkol** 1982;28(1):71–3 (Rus)

[Causes of late detection of cancer of the stomach in gastritis patients] Ovsiankina LG. **Vopr Onkol** 1981;27(11):69–74 (Eng. Abstr.) (Rus)

[Criteria of differential diagnosis of stomach ulcer and variants of stomach cancer] Vlasov PV, et al. **Vopr Onkol** 1981;27(11):41–6 (Eng. Abstr.) (Rus)

[Diagnosis of benign stomach tumors] Podoprigora AP, et al. **Vrach Delo** 1982 Jun;(6):43–4 (Rus)

[Precancer and cancer of the stomach (author's transl)] Duriš I, et al. **Bratisl Lek Listy** 1981 Nov;76(5):540–51 (Eng. Abstr.) (Slo)

[Alpha–1–antitrypsin in the biological diagnosis of gastric cancer (author's transl)] Liso P, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):122–5 (Eng. Abstr.) (Spa)

[Echographic evaluation of abdominal masses of gastrointestinal origin] Sales Ferrer R, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):589–96 (Eng. Abstr.) (Spa)

[Problem of gastric polyps and pseudopolyps] Vizcaíno López A, et al. **Rev Esp Enferm Apar Dig** 1981 Oct; 60(4):327–40 (Eng. Abstr.) **(Spa)**

[Gastroscopy and early stages of stomach cancer—cost–effectiveness aspects] Vang J. **Nord Med** 1982 Mar; 97(3):65–6 **(Swe)**

DRUG THERAPY

Phase II evaluation of 4'-(9-acridinylamino)-methanesulfon-m-anisidide (m-AMSA) in patients with gastric adenocarcinoma. Sordillo PP, et al. **Am J Clin Oncol** 1982 Jun;5(3):273–5

Chemotherapy in gastric and oesophageal cancer. Tattersall MH. **Aust NZ J Surg** 1982 Feb;52(1):49–52

Controlled trial of adjuvant chemotherapy following curative resection for gastric cancer. The Gastrointestinal Tumor Study Group. **Cancer** 1982 Mar 15;49(6):1116–22

A comparative clinical assessment of combination chemotherapy in the management of advanced gastric carcinoma: The Gastrointestinal Tumor study Group. **Cancer** 1982 Apr 1;49(7):1362–6

An alternative model for the evaluation of antitumor activity. Lavin PT. **Cancer Clin Trials** 1981 Winter;4(4):451–7

Randomized comparison of 5-FU alone or combined with mitomycin and cytarabine (MFC) in the treatment of advanced gastric cancer. Cocconi G, et al. **Cancer Treat Rep** 1982 Jun;66(6):1263–6

Aclacinomycin A flare [letter] Glass EC. **Cancer Treat Rep** 1982 Aug;66(8):1683

Phase I–II study of the combination of 5-FU, doxorubicin, mitomycin, and semustine (FAMMe) in the treatment of adenocarcinoma of the stomach, gastroesophageal junction, and pancreas. Karlin DA, et al. **Cancer Treat Rep** 1982 Aug;66(8):1613–7

Chemotherapy in alimentary tract malignomas. Queisser W, et al. **Hepatogastroenterology** 1981 Oct;28(5):276–83 (87 ref.)

Late results of postoperative long term cancer chemotherapy for advanced carcinoma of the stomach. Kano T, et al. **Jpn J Surg** 1981;11(4):291–6

Sensitivity of anticancer agents of human gastric cancers transplanted into nude mice. Tani T, et al. **Jpn J Surg** 1981; 11(5):353–8

Chemotherapy of carcinomas of the digestive tract. Gisselbrecht C, et al. **Recent Results Cancer Res** 1982; 80:296–302

Adjuvant chemotherapy in colon and gastric cancer. Macdonald JS, et al. **Recent Results Cancer Res** 1982; 80:284–90

Adjuvant 5-fluorouracil and BCNU chemotherapy in gastric cancer: 3-year results. Schlag P, et al. **Recent Results Cancer Res** 1982;80:277–83

The effect of oral administration of amphotericin B on the incorporation of 5-fluorouracil into human gastric cancer tissue. Nakazawa I, et al. **Tohoku J Exp Med** 1981 Mar; 133(3):361–2

[Inhibitory effect of some new retinoids on carcinogenesis] Cai HY, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):648–53 (Eng. Abstr.) **(Chi)**

[Chemotherapy of esophageal and cardial carcinomas] Nagel GA, et al. **Langenbecks Arch Chir** 1981;355:77–80 (Eng. Abstr.) **(Ger)**

[Chemotherapy of advanced stomach cancer] Weber W, et al. **Onkologie** 1981 Dec;4(6):304–7 (Eng. Abstr.) **(Ger)**

[Adjuvant chemotherapy with inductive multi-drug combination and long-term oral maintenance therapies for gastric cancer (author's transl)] Nakajima T, et al. **Nippon Gan Chiryo Gakkai Shi** 1980 Oct 20;15(6):980–8 (Eng. Abstr.) **(Jpn)**

[Effects of UFT administered preoperatively in cases of gastric cancer (author's transl)] Okada K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1417–22 (Eng. Abstr.) **(Jpn)**

[On the significance of multiagent combination chemotherapy for primary gastric malignant lymphoma (author's transl)] Takenaka T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20;16(6):1310–6 **(Jpn)**

[The effects of adjuvant chemotherapy for gastric cancer with curative gastrectomy studied by pathological findings: five to thirteen years follow-up (author's transl)] Yasuna O, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Apr 20; 16(2):183–93 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of immunochemotherapy with streptococcal preparation 'OK-432' on inoperable advanced cancers (author's transl)] Nio Y, et al. **Nippon Geka Hokan** 1981 Sep 1;50(5):704–10 (Eng. Abstr.) **(Jpn)**

[Phagocytic activity and cytochemical indices of the neutrophils in stomach cancer treated with 5-fluorouracil] Gusarov IuP. **Lab Delo** 1981;(8):465–8 **(Rus)**

[Gastric cancer: survival after associated cytostatic therapy in 'minimum effective dose' (author's transl)] Rodriguez A, et al. **Rev Med Chil** 1981 Jun;109(6):493–7 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Economic aspects of the radical surgical treatment of stomach cancer] Kuznetsova AI. **Vopr Onkol** 1982; 28(4):21–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Alkaline phosphatase isoenzymes in intestinal metaplasia and carcinoma of rat stomach induced by N-methyl-N'-nitro-N-nitrosoguanidine. Miki K, et al. **Oncodev Biol Med** 1980;1(4–5):313–23

[Determination of lactic dehydrogenase isoenzymes in precancerous and cancerous gastric mucosa] Mazzarino C, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):2004–10 (Eng. Abstr.) **(Ita)**

[Ultracytochemical study of oxidoreductases in the parietal cells of the gastric mucosa in gastric cancer] Perevoshchikov AG, et al. **Biull Eksp Biol Med** 1981 Jun; 91(6):751–4 (Eng. Abstr.) **(Rus)**

[Hexokinase in biopsy material from gastric neoplasms] Bassalyk LS, et al. **Vestn Akad Med Nauk SSSR** 1981; (7):52–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Mucosal changes of the Billroth II resected stomach. A follow-up study of patients resected for duodenal ulcer,with special reference to gastritis, atypia and cancer. Graem N, et al. **Acta Pathol Microbiol Scand [A]** 1981 May; 89(3):227–34

Gastric carcinoma in patients with unoperated duodenal ulcer disease. Lewis JH, et al. **Am J Gastroenterol** 1982 Jun; 77(6):368–73

Stomach cancer following gastric surgery for benign disease. Dougherty SH, et al. **Arch Surg** 1982 Mar;117(3):294–7

Necessity of bile for and lack of inhibitory effect of retinoid on development of forestomach papillomas in nontreated mutant mice of the W/Wv genotype. Yokoyama M, et al. **Cancer Res** 1982 Sep;42(9):3806–9

The operated stomach--still a precancerous condition? Hermanek P, et al. **Endoscopy** 1982 Jul;14(4):113–4

Gastric cancer after vagotomy and excision for gastric ulcer. Haukland H, et al. **Eur Surg Res** 1981;13(5):371–5

Gastric cancer in coal miners: some hypotheses for investigation. Ames RG. **J Soc Occup Med** 1982 Apr; 32(2):73–81

Gastric stomal polypoid hyperplasia: report of four cases. Jablokow VR, et al. **J Surg Oncol** 1982 Feb;19(2):106–8

Primary gastric lymphoma following renal transplantation. McTamaney JP, et al. **J Surg Oncol** 1981;18(3):265–8

Nutrition and gastric cancer. Joossens JV, et al. **Nutr Cancer** 1981;2(4):250–61

Operation-sequel carcinoma of the stomach. Experimental studies of surgical techniques with or without resection. Langhans P, et al. **World J Surg** 1981 Jul;5(4):595–605

Predisposition of the resected stomach for malignancy. Rakovec S, et al. **World J Surg** 1981 Sep;5(5):725–7

[A comprehensive survey on the etiological factors of stomach cancer in China (author's transl)] Zhang RF. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):203–8 (Eng. Abstr.) **(Chi)**

[Case-control study of 100 gastric cancer cases (author's transl)] Ye EC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar;15(2):107–9 **(Chi)**

[Epidemiology of stomach carcinoma] Berkel J, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1164–72 (Eng. Abstr.) **(Dut)**

[Stump carcinoma. A report of ten cases (in a series of 235 gastric cancer cases) (author's transl)] Chevillotte P, et al. **Sem Hop Paris** 1982 Jan 21;58(3):165–9 (Eng. Abstr.) **(Fre)**

[Carcinogenesis following vagotomy. Experimental long-term animal studies] Stegemann B. **Fortschr Med** 1982 Apr 8;100(13):586–91 (Eng. Abstr.) **(Ger)**

[Animal experiments to assess the risk of cancer in the stomach after vagotomy (author's transl)] Schlag P, et al. **Langenbecks Arch Chir** 1982;357(2):105–16 (Eng. Abstr.) **(Ger)**

[Gastritis – a risk factor in carcinogenesis; epidemiological and morphological findings (author's transl)] Heilmann KL, et al. **Leber Magen Darm** 1982 Jun;12(3):115–21 (Eng. Abstr.) **(Ger)**

[Gastric stump carcinoma] Kiss B, et al. **Zentralbl Chir** 1982; 107(4):227–9 **(Ger)**

[Carcinogenesis of gastric cancer with special reference to etiological aspects (author's transl)] Schmähl D. **Zentralbl Chir** 1981;106(15):997–1004 (Eng. Abstr.) **(Ger)**

[Data on gastric polyposis as a cancerizable lesion: apropos of a case of multiple polyposis] Mariani L, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):377–83 **(Ita)**

[Gastric ulcer: precancerous lesion] Colombo F. **Chir Ital** 1981 Dec;33(6):1251–4 **(Ita)**

[Cancer of the gastric stump after gastroduodenal resection for benign peptic ulcer. Late complication of the surgery?] Saegesser F, et al. **Minerva Chir** 1981 Dec 15–31; 36(23–24):1715–8 **(Ita)**

[Carcinoma of the gastric stump] Bianchi Porro G, et al. **Recenti Prog Med** 1982 Feb;72(2):159–69 (Eng. Abstr.) **(Ita)**

[Dietary factors and laxatives in the epidemiology of stomach cancer] Jedrychowski W, et al. **Nowotwory** 1981; 30(4):353–60 (Eng. Abstr.) **(Pol)**

[Atrophic gastritis and gastric cancer] Dobre D, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):55–9 (Eng. Abstr.) **(Rum)**

[Anatomoclinical considerations on the malignant transformation of gastric ulcer] Boicescu L. **Rev Med Interna [Med Interna]** 1981 Jul–Aug;33(4):337–44 (Eng. Abstr.) **(Rum)**

[Stomach cancer occurring after the radiation and chemical therapy of a lymphosarcoma] Rottenberg VI, et al. **Arkh Patol** 1981;43(12):52–7 (Eng. Abstr.) **(Rus)**

[Patterns in the development of cancer of the gastric stump] Kuzin NM, et al. **Vestn Khir** 1982 May;128(5):15–21 (Eng. Abstr.) **(Rus)**

[Carcinoma of the gastric stump in 12 cases with resection for peptic ulcer] García Fidalgo G, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):132–40 (Eng. Abstr.) **(Spa)**

[Cancer in the ventricular remnant following resection for benign ulcer disease] Hellers G, et al. **Lakartidningen** 1981 Sep 23;78(39):3392–4 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

[A chromosome analysis in a patient with chronic myelogenous leukemia and gastric cancer (author's transl)] Togawa A, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May; 44(3):590–4 (Eng. Abstr.) **(Jpn)**

[Cytophotometric study of human strains of carcinoma of the large intestine, stomach and liver transplanted in nude mice. Part 1] Revazova ES, et al. **Lab Delo** 1981;(9):550–2 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunologic study of carcinoma of the digestive tract. Effects of the tumor stage. I. Cellular immunity in the preoperative period. Sanz ML, et al. **Allergol Immunopathol (Madr)** 1982 Jan–Feb;10(1):33–42

Immunologic study of carcinoma of the digestive tract. Influence of tumor staging. II. Humoral immunity in the preoperative period. Sanz ML, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr;10(2):95–100

Levamisole: a double blind immunological study. Webster DJ, et al. **Anticancer Res** 1982 Jan–Apr;2(1–2):29–32

Immunology of human gastric cancer: a preliminary report. Blanca I, et al. **Cancer** 1982 May 1;49(9):1810–6

Gastric plasmacytoma: an immunologic and immunohistochemical study. Nakanishi I, et al. **Cancer** 1982 May 15;49(10):2025–8

A combined morphologic and immunologic approach to the diagnosis of gastrointestinal lymphomas: I. Malignant lymphoma of the stomach (a clinicopathologic study of 22 cases). Seo IS, et al. **Cancer** 1982 Feb 1;49(3):493–501

Tumor markers in carcinoma and premalignant states of the stomach in humans. Skinner JM, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):227–35

Concanavalin A-activated suppressor cell activity in gastric cancer patients. Toge T, et al. **Gan** 1980 Dec;71(6):784–9

Cell-mediated cytotoxicity of mononuclear cells isolated from cancer and normal mucosa of the stomach. Sakai Y, et al. **Gastroenterology** 1982 Jun;82(6):1374–80

Intestinal M3 antigen, a marker for the intestinal-type differentiation of gastric carcinomas. Bara J, et al. **Int J Cancer** 1981 Dec;28(6):711–9

Monoclonal antibody detection of a circulating tumor-associated antigen. I. Presence of antigen in sera of patients with colorectal, gastric, and pancreatic carcinoma. Herlyn M, et al. **J Clin Immunol** 1982 Apr; 2(2):135–40

Immunocytochemistry of gastric mucosal blood groups [letter] Berry CL. **J Clin Pathol** 1982 Feb;35(2):245

Indirect macrophage migration inhibition response to 3-M KCl extract of gastric carcinoma. Akiyoshi T, et al. **JNCI** 1982 Aug;69(2):345–7

Reactivity of gastric cancer patients in leucocyte migration inhibition tests to 3M KCl extracts from gastric tumor. Kojima O, et al. **Jpn J Surg** 1981;11(6):413–21

Monocyte count, monocyte chemotaxis and chemotactic factor inactivator in gastric cancer patients. Yamane T, et al. **Jpn J Surg** 1981;11(6):422–7

Tumor-associated cell-mediated immune response of gastric cancer patients—with particular emphasis on correlation with tumor burden and effects of surgical tumor removal. Miyazaki M, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):673–80

Clinical significance of the K cell measurement in gastric cancer patients. Tamura T, et al. **Tokushima J Exp Med** 1981 Dec;28(3–4):97–101

[Studies on Tgamma and Tmu cells in 200 cases of gastric carcinoma (author's transl)] Lu HM. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):695–9 **(Chi)**

[Cellular immunity in patients with esophageal and gastric tumors in various stages] Horváth OP, et al. **Orv Hetil** 1981 Jun 28;122(26):1567–72 **(Hun)**

[Immunological studies on stomach cancer patients – with special emphasis on evaluation of parameters and their scoring (author's transl)] Minami T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Jun 20;16(3):422–32 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical studies on gastric tissues with intestinal metaplasia and cancer (author's transl)] Morise K. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):18–27 (Eng. Abstr.) **(Jpn)**

[Serially transplantable human stomach cancer producing CEA in nude mice (author's transl)] Nakatani K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1673 **(Jpn)**

[Kinetics of spontaneous rosette formation in stomach cancer]

Kurtenkov OA, et al. **Lab Delo** 1981;(8):491–3 (Eng. Abstr.) **(Rus)**

[Effect of parenteral feeding on the immunity indices of patients operated on for stomach cancer] Rybkin MP, et al. **Vestn Khir** 1981 Oct;127(10):24–8 **(Rus)**

[Functional activity of the sympathetic–adrenal system and body immunological reactivity in oncological patients] Filatova NA, et al. **Vopr Onkol** 1982;28(2):80–4 (Eng. Abstr.) **(Rus)**

[Disturbances in the immune system in stomach polyps] Grinevich IuA, et al. **Vopr Onkol** 1982;28(3):24–9 (Eng. Abstr.) **(Rus)**

[Immunochemical study of the antigens isolated from a gastric adenocarcinoma] Pavlenko AF, et al. **Vopr Onkol** 1982;28(4):14–6 **(Rus)**

METABOLISM

Production of alpha–fetoprotein, normal serum proteins, and human chorionic gonadotropin in stomach cancer: histologic and immunohistochemical analyses of 35 cases. Kodama T, et al. **Cancer** 1981 Oct 1;48(7):1647–55

Scirrhous argyrophil cell carcinoma of the stomach with multiple production of polypeptide hormones, amine, CEA, lysozyme, and HCG. Tahara E, et al. **Cancer** 1982 May 1;49(9):1904–15

Biosynthesis of an interstitial type of collagen by cloned human gastric carcinoma cells. Sakakibara K, et al. **Cancer Res** 1982 May;42(5):2019–27

Alpha–1–antitrypsin immunoreactivity in gastric carcinoid. Ray MB, et al. **Histopathology** 1982 May;6(3):289–97

[Autoradiographic studies on nucleic acid synthesis of human gastric cancer cells. I. Relationship between nucleic acid synthesis of cancer cells and clinicopathological findings (author's transl)] Inoue K. **Nippon Geka Hokan** 1982 Mar 1;51(2):315–26 (Eng. Abstr.) **(Jpn)**

[Autoradiographic studies on nucleic acid synthesis of human gastric cancer cells. II. Effects of 5–fluorouracil on nucleic acid synthesis of cancer cells (author's transl)] Inoue K. **Nippon Geka Hokan** 1982 Mar 1;51(2):327–35 (Eng. Abstr.) **(Jpn)**

[Comparative characteristics of histologic types of stomach cancer according to the nuclear DNA content of tumor cells] Zhdanov AS, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):467–9 **(Rus)**

[Oxygen tension in gastric adenocarcinoma] Kir'ianov IIu, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):12–5 (Eng. Abstr.) **(Rus)**

[Catecholamine dynamics of hypertensive patients undergoing surgical treatment of stomach and rectal cancer] Frid IA, et al. **Vestn Khir** 1982 Jan;128(1):120–4 **(Rus)**

[Autoradiographic study of DNA synthesis in the gastric epithelium in precancerous diseases] Sizikov AI, et al. **Vopr Onkol** 1981;27(10):19–22 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Virus–like structures in human gastric cancer] Riveros GM, et al. **Acta Cient Venez** 1980;31(6):584–7 (Eng. Abstr.) **(Spa)**

MORTALITY

An investigation of the relationship between stomach cancer and cerebrovascular disease: evidence for and against the salt hypothesis. Whelton PK, et al. **Am J Epidemiol** 1982 Mar;115(3):418–27

Survival after surgery for advanced carcinoma of the stomach other than the cardia. Choi TK, et al. **Am J Surg** 1982 Jun;143(6):748–50

Carcinoma of the stomach: the need for a new approach. Nelson PG, et al. **Aust NZ J Surg** 1982 Aug;52(4):358–62

Mortality trends for stomach cancer in England and Wales. Davies JM. **Br J Cancer** 1981 Dec;44(6):879–85

Prognostic value of preoperative serum CEA level compared to clinical staging: II. Stomach cancer. Staab HJ, et al. **Br J Cancer** 1982 May;45(5):718–27

The use of mortality time series data to produce hypothetical morbidity distributions and projects mortality trends. Manton KG, et al. **Demography** 1982 May;19(2):223–40

A cohort analysis of U.S. stomach cancer mortality 1950–1977. Manton KG, et al. **Int J Epidemiol** 1982 Mar; 11(1):49–61

Gastric malignancy: ten year experience at a community teaching hospital. Ruggiero RP, et al. **J Surg Oncol** 1982 Jun;20(2):129–30

Absolute granulocyte, lymphocyte, and moncyte counts. Useful determinants of prognosis for patients with metastatic cancer of the stomach. Bruckner HW, et al. **JAMA** 1982 Feb 19;247(7):1004–6

Geographical studies of seasonality in cancer of the stomach. Sato T, et al. **Soc Sci Med [D]** 1981 Aug;15D(3):389–94

[What is new in the diagnosis and therapy of esophagus and cardia cancer? Epidemiology] Dörken H. **Langenbecks Arch Chir** 1981;355:45–8 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the immediate and late results of gastrectomy in stomach cancer] Kulemin VV, et al. **Sov Med** 1981;(10):40–4 (Eng. Abstr.) **(Rus)**

[Survival time in stomach cancer in our milieu] Del Pino Montes J, et al. **Rev Esp Enferm Apar Dig** 1981 Nov; 60(5):471–80 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Pernicious anemia as a risk factor in gastric cancer. The extent of the problem. Eriksson S, et al. **Acta Med Scand** 1981;210(6):481–4

Association of diet and place of birth with stomach cancer incidence in Hawaii Japanese and Caucasians. Kolonel LN, et al. **Am J Clin Nutr** 1981 Nov;34(11):2478–85

Cancer of the stomach in New Zealand: 1970–74. Stewart RJ, et al. **Aust NZ J Surg** 1982 Aug;52(4):363–9

Stomach cancer and soil metal content [letter] Philipp R, et al. **Br J Cancer** 1982 Mar;45(3):482

Changes in the histologic types of gastric carcinoma in Japan. Kato Y, et al. **Cancer** 1981 Nov 1;48(9):2084–7

Nitrate in drinking water and cancer in northern Jutland, Denmark, with special reference to stomach cancer. Jensen OM. **Ecotoxicol Environ Safety** 1982 Jun;6(3):258–67

Geographical pathology of gastric carcinoma: a comparative study on histological types between high and low mortality areas in Japan. Kubo T, et al. **Gan** 1981 Apr;72(2):235–44

Upper gastrointestinal mass survey with panendoscopy in a workplace. Miki K, et al. **Gastrointest Endosc** 1982 May; 28(2):70–2

Mass screening for gastric cancer. Morrissey JF. **Gastrointest Endosc** 1982 May;28(2):112–3

Geography of stomach cancer in Belgium: an approach. Verhasselt Y. **Geogr Med** 1981;11:104–15

Risk factors for gastric cancer: a multivariate analysis of five–years' experience in the PL health control system and its applications. Nakano K, et al. **Med Inf (Lond)** 1981 Apr–Jun;6(2):115–30

Computation of cancer incidence rates for defined small geographical areas--matching of numerator and denominator. Pompe–Kirn V, et al. **Neoplasma** 1981; 28(3):363–9

[Detection of cancer of gastrointestinal organs and its treatment in DDR (author's transl)] Berndt H. **Cesk Gastroenterol Vyz** 1981 May;35(3):89–94 (Eng. Abstr.) **(Cze)**

[Epidemiologic, pathologic and clinical studies of 122 cancers of the stomach observed during 30 years in the CHU of Abidjan] Yangni–Angaté A, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):315–22 (Eng. Abstr.) **(Fre)**

[Epidemiology of stomach cancer and the gastric replacement in the United States] Longmire WP Jr. **Med Welt** 1982 Feb 19;33(7):248–53 **(Ger)**

[Statistical considerations on the incidence of cancer of the stomach in a high–risk zone. Clinical study of early diagnosis] Propersi L, et al. **Chir Ital** 1981 Aug;33(4):944–54 **(Ita)**

[Comparative statistical study of the incidence of gastric cancer in the populations of the Republic of San Marino and the Emilia–Romagna region] Baldi E, et al. **G Clin Med** 1981 Nov;62(11):782–8 **(Ita)**

[Epidemiology and natural history of cancer of the stomach] Li Voti P. **Minerva Chir** 1981 Dec 15–31;36(23–24):1709–12 **(Ita)**

[Results of mass screening for stomach cancer conducted by us in the last ten years (author's transl)] Murata Y, et al. **Nippon Ika Daigaku Zasshi** 1982;49(3):433–7 **(Jpn)**

[Incidence and characteristics of complicated forms of gastric ulcer] Khachiev LG, et al. **Vestn Khir** 1982 Mar;128(3):23–6 (Eng. Abstr.) **(Rus)**

[Groups at high risk for stomach cancer morbidity and the effectiveness of dispensary care] Khonelidze GB, et al. **Vopr Onkol** 1982;28(6):62–8 (Eng. Abstr.) **(Rus)**

[Use of mathematical analysis methods in screening high–risk groups for stomach cancer] Kirillova RA. **Vopr Onkol** 1982;28(2):97–100 (Eng. Abstr.) **(Rus)**

[Epidemiology of gastric cancer in Chile] **Bol Of Sanit Panam** 1981 Oct;91(4):362–8 **(Spa)**

[Epidemiology of gastric cancer in Chile (author's transl)] Armijo R, et al. **Rev Med Chil** 1981 Jun;109(6):551–6 (Eng. Abstr.) **(Spa)**

[Early gastric cancer – a current review] Ohman U. **Nord Med** 1982 Mar;97(3):74–6 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Gastric polyps; their morphological and endoscopical characteristics and relation to gastric carcinoma. Laxén F, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):221–8

Solitary hyperplastic polyp of the stomach. Buts JP, et al. **Am J Dis Child** 1981 Sep;135(9):846–7

Linitis plastica infiltrating the entire gut. Flatau E, et al. **Am J Gastroenterol** 1982 Aug;77(8):559–61

Synchronous ulcerating adenocarcinoma and malignant lymphoma of the stomach. Kane EP, et al. **Am J Gastroenterol** 1982 Jul;77(7):461–3

Gastric lymphoma: a clinicopathologic reappraisal. Orlando R 3d, et al. **Am J Surg** 1982 Apr;143(4):450–5

Kaposi's sarcoma involving eyelid and conjunctiva. Kalinske M, et al. **Ann Ophthalmol** 1982 May;14(5):497–9

Association of gastric leiomyoma and leiomyoblastoma. Rainoldi JL, et al. **Arq Gastroenterol** 1981 Apr–Jun; 18(2):67–70

Primary gastrointestinal tract lymphoma--a clinico–pathological study of 28 cases. Crowley KS, et al. **Aust NZ J Med** 1982 Apr;12(2):135–42

Tonsillar metastases from adenocarcinoma of the stomach. Passmore AL, et al. **Aust NZ J Surg** 1982 Aug;52(4):371–2

Consecutive bilateral ocular metastases from an asymptomatic adenocarcinoma of the cardia. Rootman J, et al. **Can J Ophthalmol** 1982 Apr;17(2):79–81

Changes in the location and type of gastric adenocarcinoma. Antonioli DA, et al. **Cancer** 1982 Aug 15;50(4):775–81

Primary gastric plasmacytoma with massive intracytoplasmic crystalline inclusions: a case report. Ferrer–Roca O. **Cancer** 1982 Aug 15;50(4):755–9

Minute gastric cancers less than 5 mm in diameter. Oohara T, et al. **Cancer** 1982 Aug 15;50(4):801–10

Myosarcomas of the stomach: natural history, prognostic factors and management. Shiu MH, et al. **Cancer** 1982 Jan 1;49(1):177–87

Focal lymphoid hyperplasia of the stomach preceding gastric lymphoma: case report and review of the literature. Wolf JA Jr, et al. **Cancer** 1981 Dec 1;48(11):2518–23

Primary gastric choriocarcinoma: immunohistochemistry, postmortem documentation, and hormonal effects in a postmenopausal female. Wurzel J, et al. **Cancer** 1981 Dec 15;48(12):2756–61

Characterization of a newly established human gastric cancer cell line HGT–1 bearing histamine H2–receptors. Laboisse CL, et al. **Cancer Res** 1982 Apr;42(4):1541–8

Leiomyoblastoma of gastric origin: an unusual case and review of the literature. Witmer DR, et al. **Del Med J** 1982 Feb;54(2):89–96

Gastric plasma cell granuloma (report of a case). Domenichini E, et al. **Endoscopy** 1982 Jul;14(4):148–50

Intra–arterial dye method with vasomotors (PIAD method) applied for the endoscopic diagnosis of gastric cancer and the side effects of indigo carmine. Ikeda K, et al. **Endoscopy** 1982 Jul;14(4):119–23

Induction of intestinal metaplasia in the glandular stomach of rats by X–irradiation prior to oral administration of N–methyl–N'–nitro–N–nitrosoguanidine. Fujii I, et al. **Gan** 1980 Dec;71(6):804–10

Preservation of gastric gland character in transplantable gastric adenocarcinoma (SG2B) of rats. Kokubo T, et al. **Gan** 1981 Aug;72(4):583–9

Geographical pathology of gastric carcinoma: histological types among Chileans. Kubo T. **Gan** 1981 Jun;72(3):430–4

Dysplasia of the gastric mucosa and its relation to the precancerous state. Nagayo T. **Gan** 1981 Dec;72(6):813–23

Effect of cellular reaction in gastric cancer tissue and in regional lymph nodes on the mitotic activity of cancer cells. Tabuchi Y, et al. **Gan** 1981 Feb;72(1):45–52

Prospective evaluation of biopsy number in the diagnosis of esophageal and gastric carcinoma. Graham DY, et al. **Gastroenterology** 1982 Feb;82(2):228–31

Endoscopic observation of large fundic gastric polyp prolapsing through the pylorus. Amini AA, et al. **Gastrointest Endosc** 1982 May;28(2):117–8

Involvement of the duodenum by gastric carcinoma [letter] Cronstedt JL, et al. **Gastrointest Endosc** 1982 Feb; 28(1):44–5

Myoepithelial hamartoma of Brunner's gland in the stomach [letter] Jacob CO, et al. **Gastrointest Endosc** 1982 Feb; 28(1):48–9

Early cancer of the esophagus and stomach. Kobayashi S, et al. **Gastrointest Endosc** 1982 May;28(2):108–9

The mucin profiles of normal gastric mucosa, intestinal metaplasia and its variants and gastric carcinoma. Jass JR, et al. **Histochem J** 1981 Nov;13(6):931–9

Gastritis cystica profunda. Franzin G, et al. **Histopathology** 1981 Sep;5(5):535–47

Pseudolymphomas of the stomach: a lesion characterized by progressively transformed germinal centres. Hyjek E, et al. **Histopathology** 1982 Jan;6(1):61–8

Cronkhite–Canada syndrome associated with systemic vasculitis: an autopsy study. Parsa C. **Hum Pathol** 1982 Aug;13(8):758–60

Gastric carcinoma with argyrophilic cells: light microscopic, electron microscopic, and immunochemical study. Prade M, et al. **Hum Pathol** 1982 Jun;13(6):588–92

Seedling leiomyoma of the esophagus and esophagogastric junction zone. Takubo K, et al. **Hum Pathol** 1981 Nov; 12(11):1006–10

Double cancer of the oral region. 15–year follow–up of a double cancer of malignant melanoma of the lip and adenocarcinoma of the stomach. Yoshimura Y, et al. **Int J Oral Surg** 1981 Jun;10(3):202–9

Ureteral obstruction as primary manifestation of metastasizing gastric carcinoma. Oesterwitz H, et al. **Int Urol Nephrol** 1981;13(2):123–6

Argyrophil cells in early gastric carcinoma: an immunohistochemical and ultrastructural study. Tahara E, et al. **J Cancer Res Clin Oncol** 1982;103(2):187–202

Linitis plastica: one disease or more? Barwick KW. **J Clin Gastroenterol** 1982 Feb;4(1):70–2

Multifocal benign granular cell tumor of the stomach. Chen KT. **J Clin Gastroenterol** 1981;3 Suppl 1:65–7

Gastric xanthoma: histologic similarity to signet ring cell carcinoma. Drude RB Jr, et al. **J Clin Gastroenterol** 1982 Jun;4(3):217–21

Gastric duplication associated with adenomyoma. Floros D, et al. **J Surg Oncol** 1982 Feb;19(2):98–100

Gastric leiomyosarcoma: clinical and pathological review of fifty patients. Lindsay PC, et al. **J Surg Oncol** 1981; 18(4):399–421

Pulmonary chondroma, extra–adrenal paraganglioma, and gastric leiomyosarcoma: Carney's triad. Dajee A, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):377–81

Comparative studies on cytological and histological evaluations of disseminating peritoneal metastasis in gastric cancer. Hirono M, et al. **Jpn J Surg** 1981;11(5):330–6

Mitotic index in gastric carcinoma of the scirrhous type. Kamei H, et al. **Jpn J Surg** 1981;11(5):337–40

Gastric plasmocytoma. Ulfohn A, et al. **Md State Med J** 1982 Mar;31(3):65–6

Case for diagnosis: gastric polyp. Besanceney CF. **Milit Med** 1982 May;147(5):411, 417–8

Electron microscopic and histochemical research into intestinal metaplasia in gastric ulcer and cancer. Gavriliță L, et al. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):25–9

Gastric haemangiopericytoma with glomus-like pattern and review of the literature. Hălălău F, et al. **Morphol Embryol (Bucur)** 1981 Oct–Dec;27(4):359–61

Histological monitoring in gastric cancer. Leonte N, et al. **Morphol Embryol (Bucur)** 1982 Apr–Jun;28(2):159–62

Flow cytometry, cytomorphology, histology and autoradiography in human gastric hyperplastic polyps and the surrounding mucosa. Petrova AS, et al. **Oncology** 1982; 39(5):308–13

Studies on histogenesis of the gastric carcinoma using minute cancers. Taki K, et al. **Pathol Res Pract** 1981 Jul; 172(1–2):176–90

The prognostic value of morphological features of gastric carcinoma treated by radical resection. Urban A, et al. **Pathol Pol** 1981;32(3):353–72

The significance of submucosal fibrosis in mucosal carcinoma of stomach. Lin CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan;80(1):93–103

Epithelial dysplasia in endoscopic gastric mucosal biopsies. Farini R, et al. **Tumori** 1981 Dec 31;67(6):589–98

Gastric carcinomas with argyrophil and argentaffin cells. Proks C, et al. **Virchows Arch [Pathol Anat]** 1982; 395(2):201–6

Evaluation of clinicopathological analysis of the early gastric cancer. Sowa M, et al. **World J Surg** 1981 Sep;5(5):717–20

[Carcinoid of the stomach—a case report (author's transl)] Che WY, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Aug; 3(3):226–7 (Eng. Abstr.) **(Chi)**

[Double primary early carcinomas in the esophagus and gastric cardia (author's transl)] Li L. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):142–3 (Eng. Abstr.) **(Chi)**

[Studies on pathomorphology, biological properties, and sensitivity to anti-tumor agents of the transplantable squamous cell carcinoma (GS-742) of mouse forestomach (author's transl)] Lin BS, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):101–5 (Eng. Abstr.) **(Chi)**

[Double primary carcinomas of the esophagus and stomach: a pathological study of 9 cases (author's transl)] Liu FS. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Sep; 1(1):67–70 (Eng. Abstr.) **(Chi)**

[Gastric carcinoma in a young adult (author's transl)] Chen PC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun; 80(6):625–9 (Eng. Abstr.) **(Chi)**

[Prognostic significance of reactive changes in regional lymph nodes in stomach and breast carcinoma] Riegrová D, et al. **Cesk Patol** 1982 May;18(2):90–6 (Eng. Abstr.) **(Cze)**

[Benign non-epithelial tumors of the stomach] Králík J, et al. **Rozhl Chir** 1982 Jun;61(6):400–5 (Eng. Abstr.) **(Cze)**

[Pulmonary blastoma. Report of a case associated with adenocarcinoma of the cardia] Asschenfeldt P, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1467 (Eng. Abstr.) **(Dan)**

[Neurilemmoma of the stomach] Nielsen BP, et al. **Ugeskr Laeger** 1981 Mar 15;143(11):664–6 (Eng. Abstr.) **(Dan)**

[A review of the literature concerning gastric pseudolymphoma in relation to three cases (author's transl)] Horschowski N, et al. **Arch Anat Cytol Pathol** 1982; 30(2):85–91 (Eng. Abstr.) **(Fre)**

[Lymphoid hyperplasia or pseudolymphoma of the stomach] Babin P. **Gastroenterol Clin Biol** 1981 Nov;5(11):973–6 **(Fre)**

[Malignant gastric lymphoma or undifferentiated carcinoma? Orientation by the response to treatment (letter)] Bosset JF, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):953–4 **(Fre)**

[Inflammatory fibroid polyp or Helwig's pseudo-tumor (author's transl)] Hoang C, et al. **Gastroenterol Clin Biol** 1981 Oct;5(10):879–83 (Eng. Abstr.) **(Fre)**

[Gastric lymphoid hyperplasia: anatomic and immunologic study of a case followed for seven years (author's transl)] Karsenti P, et al. **Gastroenterol Clin Biol** 1981 Nov; 5(11):998–1003 (Eng. Abstr.) **(Fre)**

[High risk populations and precancerous dysplasia in the stomach: definition and management (author's transl)] Potet F, et al. **Gastroenterol Clin Biol** 1982 May;6(5):454–61 (61 ref.) (Eng. Abstr.) **(Fre)**

[Early gastric carcinoma. Clinicopathological analysis of 50 cases (author's transl)] Tong-Hua L, et al. **J Chir (Paris)** 1982 Feb;119(2):105–13 (Eng. Abstr.) **(Fre)**

[Hodgkin's disease of digestive origin] Bodin F, et al. **Med Chir Dig** 1981;10(7):589–92 (Eng. Abstr.) **(Fre)**

[Gastric heterotopy of the cystic duct. Apropos of a case] Letoublon C, et al. **Med Chir Dig** 1981;10(6):527–8 **(Fre)**

[Skin metastasis of stomach cancer presenting as benign mesenchymal tumor] Hartschuh W, et al. **Hautarzt** 1981 Sep;32(9):476–8 **(Ger)**

[Leiomyoblastoma of the stomach (author's transl)] Banzhaf G, et al. **Leber Magen Darm** 1982 Jun;12(3):128–34 (Eng. Abstr.) **(Ger)**

[The so-called gastritis cystica polyposa] Dirschmid K. **Med Welt** 1981 Oct 23;32(43):1616–7 **(Ger)**

[Leiomyoma of the stomach] Stambolis C, et al. **Med Welt** 1982 Jan 15;33(2):57–61 **(Ger)**

[Gastric carcinoma; pathology (author's transl)] Simon H. **Zentralbl Chir** 1981;106(15):992–6 (Eng. Abstr.) **(Ger)**

[A case of association between gastric carcinoma and leukemia (author's transl)] Massaglia F, et al. **Ann Osp Maria Vittoria Torino** 1981 Jan–Jun; 24(1–6):138–46 (Eng. Abstr.) **(Ita)**

[Immature gastric ganglioneuroma] Colafranceschi M, et al. **Arch De Vecchi Anat Patol** 1980;64(1):1–8 (19 ref.) **(Ita)**

[Ileal metastases of adenocarcinoma of the stomach (case report)] Atzeri A, et al. **Chir Patol Sper** 1980 Dec; 28(6):383–90 (Eng. Abstr.) **(Ita)**

[Gastric neurofibrosarcoma. A case report] Novara G, et al. **Minerva Dietol Gastroenterol** 1982 Jan–Mar;28(1):51–4 (Eng. Abstr.) **(Ita)**

[Pathobiologic classification of depressed early gastric carcinoma (author's transl)] Murakami M. **Fukuoka Igaku Zasshi** 1982 Jan 25;73(1):34–45 (Eng. Abstr.) **(Jpn)**

[Depressed type of early gastric carcinoma – topographical differences in poorly differentiated adenocarcinoma (author's transl)] Okamura T. **Fukuoka Igaku Zasshi** 1981 Nov;72(11):597–608 (Eng. Abstr.) **(Jpn)**

[Clinicopathological study on the significance of combined pancreatosplenectomy for gastric carcinoma –Especially, gross indication on the base of oncological features (author's transl)] Aikou T. **Igaku Kenkyu** 1980 Oct; 50(7):533–50 (Eng. Abstr.) **(Jpn)**

[Studies on diagnosis for gastric cancer and intestinal metaplasia of gastric mucosa using methylene blue staining method–with special reference to the fresh resected specimen (author's transl)] Nomura H, et al. **Igaku Kenkyu** 1980 Oct;50(7):525–32 (Eng. Abstr.) **(Jpn)**

[A study on heterotransplantation of human stomach carcinoma to the nude mouse.(author's transl)] Takao S, et al. **Igaku Kenkyu** 1980 Oct;50(7):508–14 (Eng. Abstr.) **(Jpn)**

[Histological changes of gastric carcinoma by oral administration of anticancer drug (author's transl)] Iwanaga T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20; 16(6):1257–62 (Eng. Abstr.) **(Jpn)**

[Continuous hyperthermic peritoneal perfusion for peritoneal dissemination of gastric cancer (author's transl)] Maeta M, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20; 16(7):1346–50 (Eng. Abstr.) **(Jpn)**

[Cytologic studies on irradiated gastric cancer cells (author's transl)] Isono S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun;78(6):1185–90 (Eng. Abstr.) **(Jpn)**

[Successful culture in TCGF added media and isolation of T-cells infiltrating gastric and colonic carcinomas] Noto T. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):287 **(Jpn)**

[Studies on lymphoid hyperplasia in the resected stomach of ulcer and cancer (author's transl)] Obara K. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1555–67 (Eng. Abstr.) **(Jpn)**

[An autopsy case of gastric carcinoma, followed by acute gastric dilatation after a biopsy, with past history of gastroparesis diabeticorum (author's transl)] Ohkuni A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr; 79(4):988–92 **(Jpn)**

[A case of malignant schwannoma of the stomach with liver metastasis (author's transl)] Takahashi K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Jan;79(1):102–6 **(Jpn)**

[Studies on the characteristic changes in human fibroblasts induced by the proliferation of gastric cancer cells in vitro (author's transl)] Tsuji K. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr;79(4):931–9 (Eng. Abstr.) **(Jpn)**

[Adenocarcinoma of the stomach containing psammoma bodies (author's transl)] Yamamoto T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):876–9 **(Jpn)**

[A case of suppressor T cell malignant lymphoma associated with early gastric cancer (author's transl)] Urushizaki Y, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1137–44 (Eng. Abstr.) **(Jpn)**

[Structure of the gastric mucosa after distal gastrectomy in peptic ulcer] Tomaszewska R, et al. **Patol Pol** 1981; 32(3):341–51 (Eng. Abstr.) **(Pol)**

[Case of gastric leiomyosarcoma] Piecuch T, et al. **Wiad Lek** 1982 May 15;35(5):351–5 **(Pol)**

[Argyrophil cell cancers of the stomach and intestines] Nikonov AA. **Arkh Patol** 1981;43(12):12–8 (Eng. Abstr.) **(Rus)**

[Glomangioma of the stomach (pathology, pathogenesis and classification)] Skripnik SV. **Arkh Patol** 1982;44(2):16–22 (Eng. Abstr.) **(Rus)**

[Dysplasia of the epithelium of the gastric mucosa] Zhdanov VS, et al. **Arkh Patol** 1982;44(5):86–90 (32 ref.) (Eng. Abstr.) **(Rus)**

[Retroperitoneal teratoma with infiltration of the stomach and pancreas in complete situs inversus] Lar'kin NIa, et al. **Khirurgiia (Mosk)** 1982 May;5:110–1 **(Rus)**

[Hemorrhaging chemodectoma of the stomach] Mirza-Avakian GL, et al. **Klin Khir** 1982 May;(5):49–50 **(Rus)**

[Diagnosis of early forms of stomach cancer by cytological methods] Kliukina LB. **Lab Delo** 1981;(8):472–5 **(Rus)**

[Morphological characteristics of stomach cancer] Nesvetov AM, et al. **Sov Med** 1981;(8):38–43 (Eng. Abstr.) **(Rus)**

[Pseudosarcomatous lymphomatosis (pseudolymphomatosis) of the stomach and malignant gastric lymphoma] Pomelov VS, et al. **Sov Med** 1981;(9):34–41 (Eng. Abstr.) **(Rus)**

[Ulceration of gastric fibrohistiocytosis] Kushnirenko OIu, et al. **Ter Arkh** 1981;53(10):131–2 **(Rus)**

[Comparative analysis of lung, stomach and breast cancers on the basis of findings of quantitative DNA and oxidoreductase histochemistry] Serov VV, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):39–49 (Eng. Abstr.) **(Rus)**

[Fibrohistiocytosis of the stomach] Basov VB, et al. **Vestn Khir** 1981 Nov;127(11):64 **(Rus)**

[Leiomyosarcoma of the stomach] Egorov VP. **Vestn Khir** 1982 Apr;128(4):76–8 **(Rus)**

[Gastric plasmacytoma] Kirilenko MP, et al. **Vestn Khir** 1982 Apr;128(4):74–6 **(Rus)**

[Heterotopic pancreatic tissue] Levkin VIa. **Vestn Khir** 1982 May;128(5):59–61 **(Rus)**

[Nonepithelial tumors of the stomach] Neĭmark II, et al. **Vopr Onkol** 1982;28(3):100–1 **(Rus)**

[Early oncological pathology of the stomach] Peterson BE, et al. **Vopr Onkol** 1982;28(6):23–9 (Eng. Abstr.) **(Rus)**

[Carcinoid of the stomach and duodenum] Pomomarev AA. **Vopr Onkol** 1981;27(12):74–80 **(Rus)**

[Metastasis of superficial stomach cancer] Slesareva IuG, et al. **Vopr Onkol** 1982;28(1):20–3 (Eng. Abstr.) **(Rus)**

[Gastroduodenal tumors of the smooth muscle: clinico-pathological study of 12 cases] Arnal Monreal FM, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):107–16 (Eng. Abstr.) **(Spa)**

[Gastric leiomyoblastomas] Cabello del Castillo JA, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):298–304 **(Spa)**

[Epithelioid leiomyomas (leiomyoblastomas). Apropos of 3 cases with a gastric localization, 1 of them malignant] Rodríguez Cuartero A, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):348–56 (Eng. Abstr.) **(Spa)**

[Double gastric cancer] Rodríguez Montes JA, et al. **Rev Esp Enferm Apar Dig** 1982 Mar;61(3):254–8 (Eng. Abstr.) **(Spa)**

[Diagnostic accuracy of biopsy and endoscopic cytology in cancer of the esophagus and stomach. Experience and analysis of error factors] Martínez Carvajal R, et al. **Rev Gastroenterol Mex** 1981 Apr–Jun;46(2):59–62 (Eng. Abstr.) **(Spa)**

[Pure primary epidermoid carcinoma of the stomach. Report of a case and review of the literature] Zavala-Pompa A, et al. **Rev Gastroenterol Mex** 1981 Oct–Dec;46(4):167–9 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Natural history of gastric carcinoma with special reference to the 'early cancer' stage: a mitotic index study on original and recurrent carcinomas. Concetti HF, et al. **Gan** 1981 Oct;72(5):665–72

Gastric acid secretion and plasma gastrin response to test meal in patients with gastric cancer. Tani N, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):159–72

[Gastric motor function in patients with pathology of the esophagus, stomach and duodenum before and after surgery] Popov GV, et al. **Klin Khir** 1981 Aug;(8):74–6 **(Rus)**

PREVENTION & CONTROL

[Secondary prevention of gastric cancer in a risk group of persons without gastric acid. 2nd communication (author's transl)] Hamann P. **Arch Geschwulstforsch** 1981; 51(5):424–33 (Eng. Abstr.) **(Ger)**

[Study on controling the precision of the first screening in mass survey for stomach cancer (author's transl)] Yoshida Y. **Hokkaido Igaku Zasshi** 1981 Sep;56(5):547–56 (Eng. Abstr.) **(Jpn)**

[Index screening in precancerous conditions and cancer of the stomach] Ismailov AKh. **Khirurgiia (Mosk)** 1982 May; 5:46–8 **(Rus)**

RADIOGRAPHY

Computed tomography of gastric lymphoma. Buy JN, et al. **AJR** 1982 May;138(5):859–65

Adenocarcinoma of the gastroesophageal junction: barium and CT examination. Freeny PC, et al. **AJR** 1982 Jun; 138(6):1077–84

Exogastric smooth muscle tumors. Train JS, et al. **Am J Gastroenterol** 1981 Dec;76(6):544–50

Early gastric cancer at the Hôtel-Dieu de Montréal: a 30-year review. Rheault MJ, et al. **Can J Surg** 1981 Nov; 24(6):606–7

CT demonstration of scirrhous carcinoma of stomach: a case report. Phatak MG, et al. **Comput Radiol** 1982 Jan–Feb; 6(1):31–3

The Carman-Kirklin ulcer revisited: computed tomographic correlation. Widder DJ, et al. **CT** 1982 Apr;6(1):61–4

Radiologic diagnosis of early gastric cancer by routine double-contrast examination. Montesi A, et al. **Gastrointest Radiol** 1982;7(3):205–15

Computed tomography as a definitive method for diagnosing gastrointestinal lipomas. Heiken JP, et al. **Radiology** 1982 Feb;142(2):409–14

Gastric adenomas. Op den Orth JO, et al. **Radiology** 1981 Nov;141(2):289–93

[Roentgenologic manifestations of leiomyosarcoma of the stomach (author's transl)] Gao HF. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):58–9 (Eng. Abstr.) **(Chi)**

[Roentgen diagnosis of cancer in cardiac portion of stomach (author's transl)] Lin G. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):185–7 **(Chi)**

[Radiologic diagnosis between benign and malignant gastric ulcer by counter table (author's transl)] Wu FQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):130–4 **(Chi)**

[X-ray diagnosis of pseudotumors in gastritis polyposa (a report of 30 cases) (author's transl)] Xu DS. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):192–5 **(Chi)**

[Roentgen signs of pseudo-tumor at cardia notch (author's transl)] Xu DS. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):284–5 **(Chi)**

[Primary carcinoma of gastric stump--with analysis of 12 cases (author's transl)] Zhang GW. **Chung Hua Nei Ko Tsa Chih** 1982 Mar;21(3):162–4 **(Chi)**

[Extensive exulceration of gastric carcinoma (author's transl)] Dutka J, et al. **Cesk Radiol** 1981 Jul;35(4):244–8 (Eng. Abstr.) **(Cze)**

[Radiographic appearance of gastro-duodenal lymphomas] Matelart AL, et al. **J Belge Radiol** 1981;64(5):385–93 (Eng. Abstr.) **(Fre)**

[X-ray manifestation of early gastric carcinoma (author's transl)] Elgeti H, et al. **Rontgenblatter** 1982 May; 35(5):177–80 (Eng. Abstr.) **(Ger)**

[Diagnostic accuracy of double contrast examination in the detection of gastric polyps (author's transl)] Montesi A, et al. **Radiol Med (Torino)** 1981 Jul–Aug;67(7–8):509–13 (Eng. Abstr.) **(Ita)**

[Radiological diagnosis of primary gastric sarcomas (author's transl)] Nakada T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Dec 25; 41(12):1153–63 (Eng. Abstr.) **(Jpn)**

[A case report of gastric leiomyosarcoma showing an extra-gastric pedunculated growth (author's transl)] Fushima M, et al. **Rinsho Hoshasen** 1982 Mar;27(3):383–6 (Eng. Abstr.) **(Jpn)**

[Gastric ulcer simulating submucosal tumor on the roentgen finding (author's transl)] Hasegawa T, et al. **Rinsho Hoshasen** 1981 Jun;26(6):687–90 (Eng. Abstr.) **(Jpn)**

[A case of neurinoma of the stomach (author's transl)] Nakatsuka H, et al. **Rinsho Hoshasen** 1981 Sep;26(9):969–72 (Eng. Abstr.) **(Jpn)**

[Parietal shadow of the stomach (author's transl)] Nanaumi K, et al. **Rinsho Hoshasen** 1981 Apr;26(4):451–6 **(Jpn)**

[A case of simple renal cyst showing an appearance of submucosal gastric tumor (author's transl)] Yoda B, et al. **Rinsho Hoshasen** 1981 Mar;26(3):413–5 (Eng. Abstr.) **(Jpn)**

[Clinicoradiological aspects of pathology of esophagocardial area] Mărgineanu C, et al. **Rev Med Interna [Med Interna]** 1981 Jul–Aug;33(4):331–6 **(Rum)**

[Potentials of direct inferior lymphography in stomach cancer] Chissov VI, et al. **Sov Med** 1981;(12):21–4 **(Rus)**

[Case of a neurogenic stomach neoplasm] Razmakhov VA, et al. **Vestn Rentgenol Radiol** 1982;(2):77–8 **(Rus)**

[Potentials and errors in the x-ray diagnosis of minor (early) stomach cancer] Usova NA, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):21–8 (Eng. Abstr.) **(Rus)**

[Case of a movable stomach neoplasm] Zhavoronkov VV, et al. **Vestn Rentgenol Radiol** 1982;(2):75–6 **(Rus)**

[X-ray diagnosis of stomach cancer in diaphragmatic hernia] Balaban IIa. **Vrach Delo** 1981 Mar;(3):16–8 **(Rus)**

[Roentgenologic and endoscopic examination of the stomach with regard to early diagnosis (author's transl)] Bencúr JM, et al. **Bratisl Lek Listy** 1981 Nov;76(5):592–9 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Scintigraphic demonstration of a leiomyosarcoma of the stomach. Debois JM. **Eur J Nucl Med** 1982;7(4):190–1

67Ga scanning and upper gastrointestinal series for gastric lymphomas. Ichiya Y, et al. **Radiology** 1982 Jan; 142(1):187–92

A case of early gastric cancer whose diagnosis was expedited by amogastrin-99mTc pertechnetate scintigraphy. Okuyama S, et al. **Tohoku J Exp Med** 1982 Jun;137(2):231–2

[Radionuclide methods in evaluating the sequelae of gastrectomy for cancer] Saenko AI, et al. **Vopr Onkol** 1981; 27(10):26–9 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Radiotherapy for dysphagia due to gastric carcinoma. Mantell BS. **Br J Surg** 1982 Feb;69(2):69–70

[Results of high energy X-ray therapy of gastric carcinoma. Part III: Early gastric carcinoma (T1 carcinoma) (author's transl)] Yamada S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1073–80 (Eng. Abstr.) **(Jpn)**

[Effect of combination treatment with preoperative gamma-therapy on the functional state of gastrin-producing cells in gastric cancer] Berdov BA, et al. **Med Radiol (Mosk)** 1982 Apr;27(4):20–4 (Eng. Abstr.) **(Rus)**

[Effect of radiotherapy on blood volume indices in stomach cancer] Vapniar VV, et al. **Med Radiol (Mosk)** 1982 May; 27(5):20–3 (Eng. Abstr.) **(Rus)**

REHABILITATION

[The post-operative investigation of gastric cancer patients detected by mass survey examination (author's transl)] Sugawara N, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1339–45 (Eng. Abstr.) **(Jpn)**

[Experience in rehabilitating cancer patients at sanatoria and health resorts] Tsurkerman IM, et al. **Vopr Onkol** 1982; 28(7):77–9 (Eng. Abstr.) **(Rus)**

SECONDARY

Endoscopic appearance of cancer metastatic to the stomach. Sandler RS, et al. **J Clin Gastroenterol** 1981;3 Suppl 1:35–7

Metastatic bronchogenic carcinoma; endoscopically proved remission. Rezk G, et al. **NY State J Med** 1981 Nov; 81(12):1783–5

[Cancer of the breast and linitis metastasis or coincidence? (author's transl)] Champault G, et al. **Ann Chir** 1982 Mar; 36(3):246–8 (Eng. Abstr.) **(Fre)**

[Discontinuous lymphatic metastasis of a cardia cancer] Hackl A, et al. **ROFO** 1982 Apr;136(4):476–8 **(Ger)**

[A case of a metastatic hepatocellular carcinoma to the stomach via blood stream (author's transl)] Shibata T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct; 78(10):1998–2002 **(Jpn)**

[Metastasis of hypernephroid cancer into the stomach wall] Zak BI, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):93 **(Rus)**

[Metastasis of a cervical cancer to the gastrointestinal tract (1 case)] Ivan'ko AI, et al. **Vopr Onkol** 1982;28(3):99–100 **(Rus)**

SECRETION

Pituitary prolactinoma, adrenal aldosterone-producing adenomas, gastric schwannoma and colonic polyadenomas: a possible variant of multiple endocrine neoplasia (MEN) type I. Doumith R, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):189–95

[Use of intragastric pH measurement in stomach cancer] Lebedeva OD. **Vopr Onkol** 1981;27(10):23–5 (Eng. Abstr.) **(Rus)**

SURGERY

The value of liver scintigraphy in the management of patients with suspected gastric cancer. A prospective, consecutive study. Christensen M, et al. **Acta Chir Scand** 1981; 147(4):269–70

Carcinoma diagnosed in excised gastric ulcers. Haukland HH, et al. **Acta Chir Scand** 1981;147(6):439–43

Endoscopic polypectomy in the gastrointestinal tract. Cronstedt J, et al. **Acta Med Scand** 1981;210(3):187–92

Early cancer of the stomach treated successfully with an endoscopic neodymium-YAG laser: report of a case. Sakita T, et al. **Am J Gastroenterol** 1981 Nov;76(5):441–5

Surgical management of gastric carcinoma. Follow-up results in 465 consecutive cases. Yap P, et al. **Am J Surg** 1982 Mar;143(3):284–7

Phlegmonous gastritis after endoscopic polypectomy. Lifton LJ, et al. **Ann Intern Med** 1982 Sep;97(3):373–5

Primary gastric lymphoma. Review of 32 cases from Iraq. Al-Bahrani Z, et al. **Ann R Coll Surg Engl** 1982 Jul; 64(4):234–7

Management of primary gastric lymphoma. Shiu MH, et al. **Ann Surg** 1982 Feb;195(2):196–202

Mesenchymal tumours of the stomach: report of cases review of literature and analysis of leiomyosarcomas. Chatterjee D, et al. **Br J Clin Pract** 1982 Jan;36(1):26–33 (32 ref.)

A trial of total gastrectomy, combined with total thoracic oesophagectomy without formal thoracotomy, for carcinoma at or near the cardia of the stomach. Kirk RM. **Br J Surg** 1981 Aug;68(8):577–9

Total gastrectomy for gastric carcinoma: a retrospective study of different procedures and assessment of a new technique of gastric reconstruction. Lygidakis NJ. **Br J Surg** 1981 Sep;68(9):649–55

The role of surgery in the management of gastric lymphoma. Fleming ID, et al. **Cancer** 1982 Mar 15;49(6):1135–41

Gastric carcinoma--is there room for optimism? Larson GM. **Curr Surg** 1982 Mar–Apr;39(2):75–7

Ablation of atypical gastric mucosa and recurrent polyps by endoscopic application of laser. Richey GD, et al. **Gastrointest Endosc** 1981 Nov;27(4):224–5

Adenocarcinoma of the stomach: areas of failure in a re-operation series (second or symptomatic look) clinicopathologic correlation and implications for adjuvant therapy. Gunderson LL, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):1–11

Cancer of the stomach: quot homines, tot sententiae. Allison JG. **J Clin Gastroenterol** 1981 Sep;3(3):307–10

Is gastric cancer generalized at the time of surgery? Papachristou DN, et al. **J Surg Oncol** 1981;18(1):27–9

Local recurrence of gastric adenocarcinomas after gastrectomy. Papachristou DN, et al. **J Surg Oncol** 1981; 18(1):47–53

Nutritional assessment and surgical infections in patients with gastric cancer or peptic ulcer. Dionigi P, et al. **JPEN** 1982 Mar–Apr;6(2):128–33

Extented esophago-gastretomy as surgical treatment for carcinoma of the cardia. Gonzalez EM, et al. **Jpn J Surg** 1981;11(5):311–6

Calcified gastric leiomyoma—a case report. Kojima Y, et al. **Jpn J Surg** 1981;11(6):464–6

Comparison of 5- and 10-year survival rates in operated gastric cancer patients. Assessment of the 5-year survival rate as a valid indicator of postoperative curability. Koga S, et al. **Langenbecks Arch Chir** 1982;356(1):37–42

Personal experience in the surgical management of carcinoma of the distal oesophagus, cardia, and pericardiac stomach. Caironi C, et al. **Panminerva Med** 1981 Jan–Mar;23(1):17–20

The prognostic value of morphological features of gastric carcinoma treated by radical resection. Urban A, et al. **Patol Pol** 1981;32(3):353–72

Oesophagogastrectomy and total gastrectomy for carcinoma of the stomach. A plea for subdiaphragmatic resection. Van Rensburg LC. **S Afr Med J** 1981 Nov 14;60(20):773–7

A transabdominal method for the treatment of unresectable carcinoma of the esophagogastric junction. Hines JR. **Surg Gynecol Obstet** 1982 Aug;155(2):244–5

Long term results in patients who survived five or more years after gastric resection for primary carcinoma. Hoerr SO. **Surg Gynecol Obstet** 1981 Dec;153(6):820–2

Palliative side-to-side oesophagogastrostomy for unresectable carcinoma of the oesophagus and cardia. Kwun K, et al. **Thorax** 1981 Jun;36(6):441–5

Endoscopic gastric polypectomy using high frequency current: its significance for total biopsy of gastric polyp. Asaki S, et al. **Tohoku J Exp Med** 1981 Nov;135(3):309–22

Endoscopical polypectomy using high frequency current: double-snare method of polypectomy for prevention of incidental bleeding and perforation. Asaki S. **Tohoku J Exp Med** 1982 Feb;136(2):215–8

Surgery for carcinoma of the lower esophagus and cardia. Ellis FH Jr, et al. **World J Surg** 1981 Jul;5(4):527–33

Clinical aspects and therapy of early gastric cancer. Gebhardt C, et al. **World J Surg** 1981 Sep;5(5):721–4

[Polypectomy during gastric endoscopy] Popov P. **Vutr Boles** 1982;21(2):51–5 (Eng. Abstr.) **(Bul)**

[Carcinoid tumor of the stomach-a report of a case and review of literature (author's transl)] Jiang YK, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):147–9 (Eng. Abstr.) **(Chi)**

[Gastroesophageal anastomotic leakage following resection of carcinoma of the esophagus and gastric cardia--an analysis of 159 cases (author's transl)] Ping YM. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):36–8 (Eng. Abstr.) **(Chi)**

[Smooth muscle tumors of the stomach (author's transl)] Sun LS, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Dec; 2(4):304–7 (Eng. Abstr.) **(Chi)**

[Neurofibrotic tumors of the stomach--a report of 7 cases (author's transl)] Sun LS, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):218–9 (Eng. Abstr.) **(Chi)**

[Experiences in prevention of anastomotic leakage after excision of carcinoma of esophagus and gastric cardia (author's transl)] Wang GQ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):39–41 (Eng. Abstr.) **(Chi)**

[Surgical treatment of 4,310 cases of carcinoma of the esophagus and gastric cardia (author's transl)] Zhang YD. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):1–4 (Eng. Abstr.) **(Chi)**

[Results of surgical treatment of 3,155 cases of esophageal and cardiac carcinoma] Shao LF, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):19–22 **(Chi)**

[Postoperative diaphragmatic hernia following resection for carcinoma of the esophagus and gastric cardia: report of 15 cases (author's transl)] Wang GQ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):517–9 (Eng. Abstr.) **(Chi)**

[Carcinoma of remnant cardia treated by resection of esophagogastric anastomosis: report of a case (author's transl)] Zhang GC. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):520–1 (Eng. Abstr.) **(Chi)**

[Surgical problems of malignant diseases of the oesophagus and the cardia in advanced age (author's transl)] Serý Z, et al. **Cesk Gastroenterol Vyz** 1982 Mar;36(2):70–80 (Eng. Abstr.) **(Cze)**

[Concomitant carcinoma and leiomyoma of the stomach] Mayer F. **Rozhl Chir** 1981 Feb;60(2):120–2 (Eng. Abstr.) **(Cze)**

[Superficial gastric cancer. Results of surgery in 30 cases (author's transl)] Saubier EC, et al. **J Chir (Paris)** 1982 Jan;119(1):13–20 (Eng. Abstr.) **(Fre)**

[Gastric leiomyomas. Apropos of a case diagnosed and treated with endoscopic polypectomy] Eugene C, et al. **Med Chir Dig** 1982;11(4):259–61 (Eng. Abstr.) **(Fre)**

[Carcinoma of the stomach. Resectability and survival rates in 408 operated patients (author's transl)] Moreaux J, et

al. **Nouv Presse Med** 1981 Oct 24;10(38):3133–6 (Eng. Abstr.) **(Fre)**

[The place of total gastrectomy in the surgical treatment of stomach cancer] Fiala JM, et al. **Rev Med Suisse Romande** 1981 Apr;102(4):369–78 **(Fre)**

[Gastric carcinoma. Therapy and prognosis. A report of a surgical series of 235 cases (author's transl)] Chevillotte P, et al. **Sem Hop Paris** 1981 Dec 8–15;57(45–46):1941–6 (Eng. Abstr.) **(Fre)**

[Stomach replacement by iso-anisoperistaltic jejunum interposition (Tübinger replacement stomach)] Kieninger G, et al. **Chirurg** 1981 Aug;52(8):505–10 (Eng. Abstr.) **(Ger)**

[Preoperative treatment of severe coronary stenosis with the balloon catheter in patients with operable carcinomas (author's transl)] Meyer J, et al. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1366–9 (Eng. Abstr.) **(Ger)**

[The endoesophageal intubation—a favourable palliative operation of malignant stenoses in the esophagus–cardia–region? (author's transl)] Beck R, et al. **Langenbecks Arch Chir** 1982;356(3):167–73 (Eng. Abstr.) **(Ger)**

[Gastrectomies in the elderly as curative and palliative operations (author's transl)] Esser G, et al. **Langenbecks Arch Chir** 1982;357(2):85–91 (Eng. Abstr.) **(Ger)**

[Is there any new development in the treatment and diagnosis of esophageal and cardial carcinoma? (author's transl)] Schreiber HW. **Langenbecks Arch Chir** 1981;355:43–4 (Eng. Abstr.) **(Ger)**

[Progress in the treatment of esophageal and cardial carcinomas (author's transl)] Siewert R. **Langenbecks Arch Chir** 1981;355:49–54 (Eng. Abstr.) **(Ger)**

[On the therapy and prognosis of stomach sarcoma (author's transl)] von Bülow M, et al. **Langenbecks Arch Chir** 1982; 356(2):129–40 (Eng. Abstr.) **(Ger)**

[In ulcer perforation, benign pyloric stenosis and malignant transformation always operate!] Riedler L, et al. **Med Klin** 1981 Nov 20;76(24):683–4 **(Ger)**

[Results after gastrectomy with Longmire's jejunal interposition] Brünner H, et al. **Med Welt** 1982 Feb 19; 33(7):237–40 **(Ger)**

[Development and principles of radical surgery of stomach cancer] Gütgemann A. **Med Welt** 1982 Feb 19;33(7):231–4 **(Ger)**

[Endoscopic tube implantation and cryosurgery in inoperable stenoses of the cardia and esophagus] Hild P, et al. **Med Welt** 1982 Feb 26;33(8):285–8 **(Ger)**

[Gastric replacement methods in France] Hollender LF, et al. **Med Welt** 1982 Feb 19;33(7):254–5 **(Ger)**

[Gastric replacement of the Tübingen type] Kieninger G. **Med Welt** 1982 Feb 19;33(7):235–6 **(Ger)**

[Comparison of Tubingen-type gastric replacement with other methods of reconstruction] Kummer D. **Med Welt** 1982 Feb 19;33(7):246–6 **(Ger)**

[Epidemiology of stomach cancer and the gastric replacement in the United States] Longmire WP Jr. **Med Welt** 1982 Feb 19;33(7):248–53 **(Ger)**

[Obligatory gastrectomy in stomach cancer—pro and contra] Peiper HJ. **Med Welt** 1982 Feb 19;33(7):241–5 **(Ger)**

[Results of stomach cancer surgery] Peters H, et al. **Med Welt** 1982 Feb 12;33(6):207–9 **(Ger)**

[X-ray findings after passage reconstruction by iso- and anisoperistaltic jejunal interposition] Wolf KJ. **Med Welt** 1982 Feb 19;33(7):256–9 **(Ger)**

[The role of gastroscopy for preoperative reliability of diagnosis and operability in gastric cancer. Retrospective analysis at a county hospital (author's transl)] Schmid E, et al. **Z Gastroenterol** 1981 Sep;19(9):464–70 (Eng. Abstr.) **(Ger)**

[Malignant schwannoma (malignant neurinoma) of the stomach. Case report] Dzikonski M, et al. **Zentralbl Chir** 1981;106(19):1313–6 **(Ger)**

[Surgical therapy of advanced gastric cancer (author's transl)] Häring R. **Zentralbl Chir** 1981;106(15):1016–24 (Eng. Abstr.) **(Ger)**

[Does total gastrectomy improve the late results in gastric cancer of lesser extensiveness? (author's transl)] Schröder H, et al. **Zentralbl Chir** 1982;107(7):385–91 **(Ger)**

[Surgical therapy of early gastric carcinoma (author's transl] Trede M, et al. **Zentralbl Chir** 1981;106(15):1005–15 (Eng. Abstr.) **(Ger)**

[Life expectancy of patients operated on for stomach cancer] Petri I, et al. **Orv Hetil** 1981 Nov 1;122(44):2703–7 **(Hun)**

[Primary lymphomas of the stomach] Ceriati F, et al. **Ann Ital Chir** 1981;53(2):205–14 **(Ita)**

[2 cases of carcinoma of the esophagogastric junction] Mandurino S, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec; 138(4):627–30 **(Ita)**

[Benign neoplasms of the stomach: personal cases] Bosco L, et al. **Chir Ital** 1981 Apr;33(2):542–53 (Eng. Abstr.) **(Ita)**

[Total gastrectomy with indirect esophagoduodenostomy with interposed jejunal loop: (Longmire–Mouchet method) (clinical case)] Guzzetti A, et al. **Chir Ital** 1982 Apr; 34(2):233–42 **(Ita)**

[Gastric leiomyoblastoma (clinical case)] Mottola P, et al. **Chir Ital** 1981 Apr;33(2):446–60 (37 ref.) **(Ita)**

[Sequential evaluation of lymphocytic blastogenesis in cancer patients after surgical treatment] Dominioni L, et al. **Minerva Anestesiol** 1981 Aug;47(8):437–40 (Eng. Abstr.) **(Ita)**

[Current trends in the surgical therapy of carcinomas of the cardia] Antonaci AR, et al. **Minerva Chir** 1982 Mar 15; 37(5):347–51 **(Ita)**

[Criteria of surgical treatment of malignant neoplasms of the gastric antrum] Antonaci AR, et al. **Minerva Chir** 1982 Mar 15;37(5):391–2 **(Ita)**

[A case of voluminous gastric fibroleiomyoma. Diagnostic problems] Bettoschi U, et al. **Minerva Chir** 1981 Oct 15; 36(19):1253–8 (Eng. Abstr.) **(Ita)**

[Against total gastrectomy as a rule] Carbone G, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1897–902 **(Ita)**

[Recurrence of gastric carcinoma] Husemann B, et al. **Minerva Chir** 1982 Feb 28;37(4):279–82 **(Ita)**

[Treatment of gastrointestinal polyposis. Endoscopico-surgical considerations] Montori A, et al. **Minerva Chir** 1981 Dec 15–31;36(23–24):1579–81 **(Ita)**

[Endoscopic polypectomy of the upper digestive tract] Oselladore D, et al. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1861–2 **(Ita)**

[Double esophago–jejuno–duodenal and esophago–jejunal recanalization after total gastrectomy. Technical note and preliminary results] Paletto AE, et al. **Minerva Chir** 1981 Oct 31;36(20):1285–9 **(Ita)**

[Pancreatic resection in radical gastrectomy for cancer] Prete F, et al. **Minerva Chir** 1982 Mar 15;37(5):471–2 **(Ita)**

[Postonerative emphysematous cholecystitis. Study of a case] Meregaglia D, et al. **Radiol Med (Torino)** 1982 Jan–Feb; 68(1–2):74–6 **(Ita)**

[Esophagojejunal derivation in advanced cardioesophageal cancer] Abrão A, et al. **AMB** 1981 Jun;27(6):190–2 (Eng. Abstr.) **(Por)**

[Recurrent neoplasm in the gastric stump, penetrating the pancreas. Total gastrectomy, total duodenopancreatectomy. Problems of surgical technic] Bancu EV, et al. **Rev Chir [Chir]** 1982 Jan–Feb;31(1):57–60 (Eng. Abstr.) **(Rum)**

[Cancer of the upper gastric pole—possibilities and limitations] Dolinescu C, et al. **Rev Chir [Chir]** 1982 Jan–Feb;31(1):31–6 (Eng. Abstr.) **(Rum)**

[Gastric leiomyoblastoma] Galatâr N, et al. **Rev Chir [Chir]** 1981 Sep–Oct;30(5):391–4 **(Rum)**

[Wave structure of heart rhythm in the early postoperative period after vagotomy] Kuterman EM. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):29–32 (Eng. Abstr.) **(Rus)**

[Late results of combined operations with pancreatic resection in stomach cancer] Chissov VI, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):56–60 (Eng. Abstr.) **(Rus)**

[Primary multiple synchronous cancer of the gastro–intestinal tract] Fedorov VD, et al. **Khirurgiia (Mosk)** 1982 May; 5:51–6 (Eng. Abstr.) **(Rus)**

[Results of treatment of stomach cancer after resection in the zone of tumor] Klimenkov AA, et al. **Khirurgiia (Mosk)** 1982 May;5:41–3 **(Rus)**

[Role of a left accessory hepatic artery during treatment of cancer of the proximal region of the stomach] Lur'e AS. **Khirurgiia (Mosk)** 1982 May;5:48–51 **(Rus)**

[One–stage resection of the cardia and esophagus with delayed extracavitary neck anastomosis in cancer] Peterson BE, et al. **Khirurgiia (Mosk)** 1982 May;5:29–32 **(Rus)**

[Comparative evaluation of Bilroth I and Bilroth II resection in stomach cancer] Zmeul VK, et al. **Khirurgiia (Mosk)** 1982 May;5:43–6 **(Rus)**

[Program in the preoperative preparation of esophageal and cardial cancer patients] Ganul VL, et al. **Klin Khir** 1982 May;(5):7–11 (Eng. Abstr.) **(Rus)**

[Remote results of gastrectomy for cancer] Khapalov AI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):83–5 **(Rus)**

[Hemorrhage after endoscopic polypectomy] Vasil'ev VS, et al. **Klin Med (Mosk)** 1981 Oct;59(10):80–4 (Eng. Abstr.) **(Rus)**

[Intestinal microflora after stomach cancer surgery] Dronova OM, et al. **Lab Delo** 1982;(6):38–41 **(Rus)**

[Use of a rapid cytological method for intraoperative detection of neoplastic cells along the resection line of the stomach] Lukina TA, et al. **Lab Delo** 1981;(8):475–8 **(Rus)**

[Treatment and follow–up of patients with malignant polyps of the stomach and large intestine] Shemonaev IuF, et al. **Ter Arkh** 1982;54(1):108–10 (Eng. Abstr.) **(Rus)**

[Stress and the neuroendocrine system of oncology patients] Rylov VV, et al. **Vestn Akad Med Nauk SSSR** 1981;(8):80–3 (Eng. Abstr.) **(Rus)**

[Hormonal aspects of parenteral feeding in intensive therapy of oncology patients] Sudzhian AV, et al. **Vestn Akad Med Nauk SSSR** 1981;(8):77–9 (Eng. Abstr.) **(Rus)**

[Proximal resection in treating cancer of the cardial portion of the stomach] Demin EV, et al. **Vestn Khir** 1982 Feb; 128(2):129–34 (70 ref.) **(Rus)**

[Immediate results of gastrectomies for cancer with the creation of an invaginated esophago–intestinal anastomosis] Erko IP, et al. **Vopr Onkol** 1982;28(1):63–5 **(Rus)**

[Surgical treatment of malignant tumors of the esophagus and cardia] Gerzić Z. **Srp Arh Celok Lek** 1981 Jan; 109(1):15–29 **(Scc)**

[Gastric cancer. Analysis of 445 cases] Moreno Azcoita M, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):279–97 (Eng. Abstr.) **(Spa)**

[Gastric carcinoma: incidence and distribution of lymph node metastases in gastrectomized patients] Guzmán S, et al. **Rev Med Chil** 1981 Sep;109(9):841–7 (Eng. Abstr.) **(Spa)**

THERAPY

Prognostic significance of combined splenectomy or pancreaticosplenectomy in total and proximal gastrectomy for gastric cancer. Koga S, et al. **Am J Surg** 1981 Nov; 142(5):546–50

A comparison of combination chemotherapy and combined modality therapy for locally advanced gastric carcinoma. Gastrointestinal Tumor Study Group. **Cancer** 1982 May 1;49(9):1771–7

A controlled study of maintenance chemoimmunotherapy vs immunotherapy alone immediately following palliative gastrectomy and induction chemoimmunotherapy for advanced gastric cancer. Tokai cooperative study group for adjuvant chemoimmunotherapy of stomach cancer. Yasue M, et al. **Cancer Chemother Pharmacol** 1981;7(1):5–10

The effect of BCG treatment on gastric carcinoma—three case reports. Hadjiev S, et al. **Folia Med (Plovdiv)** 1981; 23(1):59–65

Multi-drug chemotherapy with and without radiation for carcinoma of the stomach and pancreas: a prospective randomized trial. Hazel JJ, et al. **J Can Assoc Radiol** 1981 Sep;32(3):164–5

[Gastrectomy combined with splenectomy and immunotherapy for advanced gastric cancer patients (author's transl)] Miwa H, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1365–70 (Eng. Abstr.) **(Jpn)**

[Diagnostic and therapeutic endoscopy in esophageal–gastric hemorrhages] Anakhasian VR, et al. **Klin Khir** 1982 Apr; (4):16–9 **(Rus)**

[Effect of adoptive immunotherapy with autologous bone marrow graft and thymostimulin on the immunity system of malignant neoplasm patients] Grinevich IuA, et al. **Klin Khir** 1982 May;(5):33–6 (Eng. Abstr.) **(Rus)**

[Endocrine function of the pancreas during combination therapy of stomach cancer with preoperative gamma–therapy] Vedzizheva TB, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):11–4 (Eng. Abstr.) **(Rus)**

[Conservative treatment of primary and recurrent malignant stomach neoplasms] Blokhina NG, et al. **Vestn Akad Med Nauk SSSR** 1981;(11):86–90 (Eng. Abstr.) **(Rus)**

[Effect of gamma therapy on liver function in the combined treatment of cancer of the cardia and esophagus] Evtiukhin AI, et al. **Vopr Onkol** 1982;28(6):17–22 (Eng. Abstr.) **(Rus)**

[Treatment of gastric cancer] Zornoza G, et al. **Rev Med Univ Navarra** 1982 Mar;26(1):23–7 **(Spa)**

ULTRASTRUCTURE

Gastric tumors in patients with pulmonary chondroma or extra–adrenal paraganglioma: an ultrastructural study. Wick MR, et al. **Arch Pathol Lab Med** 1981 Oct; 105(10):527–31

Ultrastructure of gastric myxofibroma with intracytoplasmic collagen. Hull MT, et al. **Ultrastruct Pathol** 1982 Jan–Mar; 3(1):25–30

Malignant smooth muscle tumors of the gastrointestinal tract: an ultrastructural study of 20 cases. Weiss RA, et al. **Ultrastruct Pathol** 1981 Jul–Sep;2(3):231–40

[Ultrastructure of experimental adenocarcinoma of the rat stomach following long term administration of MNNG] Jonas L, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):659–65 (Eng. Abstr.) **(Ger)**

[Morphological and histochemical studies on the relationship between mucus–producing gastric carcinoma cells and the proliferation of fibrous tissue in diffuse type carcinoma (author's transl)] Takahashi T. **Nippon Gan Chiryo Gakkai Shi** 1980 Oct 20;15(6):935–53 (Eng. Abstr.) **(Jpn)**

[Ultrastructural and ultracytochemical study of the tumor cells in stomach cancer] Raikhlin NT, et al. **Vopr Onkol** 1981;27(10):10–9 (Eng. Abstr.) **(Rus)**

URINE

Characterization of a small molecular size urinary immunoreactive human chorionic gonadotropin (hCG)–like substance produced by normal placenta and by hCG–secreting neoplasms. Masure HR, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1014–20

VETERINARY

Six cases of squamous cell carcinoma of the stomach of the horse. Tennant B, et al. **Equine Vet J** 1982 Jul;14(3):238–43

Endoscopic diagnosis of squamous cell carcinoma of the equine stomach. Keirn JM, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):940–2

STOMACH, RUMINANT

DRUG EFFECTS

[Role of sodium ions in gastric absorption of calcium in ruminants (author's transl)] Timet D, et al. **Ann Rech Vet** 1981;12(1):47–56 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Histogenesis of the reticular groove of the buffalo (Bubalus bubalis) stomach. Panchamukhi BG, et al. **Am J Vet Res** 1982 Feb;43(2):346–9

METABOLISM

[Effect of lipid-inhibiting animal feed containing acetate-mineral additives on choline metabolism in the ruminant stomach and intestines] Aliev AA. **Fiziol Zh SSSR** 1982 Apr;68(4):522–7 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Haemonchus contortus third stage larvae in sheep: kinetics of arrival into the abomasum and transformation during rumino-omasal transit. Dakkak A, et al. **Res Vet Sci** 1981 Nov;31(3):384–5

PHYSIOPATHOLOGY

Effect of hypocalcemia on motility of the ruminant stomach. Huber TL, et al. **Am J Vet Res** 1981 Sep;42(9):1488–90

STOMACH RUPTURE

COMPLICATIONS

[Spontaneous rupture of the stomach in a newborn infant with E. coli sepsis (author's transl)] Speer C, et al. **Monatsschr Kinderheilkd** 1981 Dec;129(12):708–9 (Eng. Abstr.) **(Ger)**

CONGENITAL

The etiology of spontaneous gastric perforation of the newborn: a reevaluation. Holgersen LO. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):608–13

ETIOLOGY

Gastric rupture due to seat belt injury. Dajee H, et al. **Br J Surg** 1982 Jul;69(7):436–7

Delayed rupture of stomach after blunt abdominal trauma. Lloyd RG. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):176

Spontaneous gastric rupture complicating acute asthma. McQueen MM, et al. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):692–3

Acute gastric dilatation with infarction and perforation. Report of fatal outcome in patient with anorexia nervosa. Saul SH, et al. **Gut** 1981 Nov;22(11):978–83

Stomach rupture as a result of gastrointestinal barotrauma in a SCUBA diver. Cramer FS, et al. **J Trauma** 1982 Mar; 22(3):238–40

Postemetic rupture of herniated cardia of the stomach [letter] Gallivan GJ. **JAMA** 1982 Jun 18;247(23):3186–7

Postemetic rupture of herniated cardia of the stomach. A variant of Boerhaave's syndrome. Gapp GA, et al. **JAMA** 1982 Feb 12;247(6):811

Spontaneous rupture of the stomach in an adult. A case report. Demetriades D, et al. **S Afr Med J** 1982 Jan 2; 61(1):23–4

Gastric necrosis and perforation after fundoplication. Merrill JR. **South Med J** 1981 Dec;74(12):1543–5

[Stomach rupture in inguino-scrotal hernia (letter)] Rozencwajg J. **Acta Chir Belg** 1981 Mar–Jun; 80(2–3):159–60 **(Fre)**

[Interest of spontaneous ventilation oxygenation in emergency. About rupture of the stomach following a therapeutic oxygenation (author's transl)] Daversin P, et al. **Anesth Analg (Paris)** 1981;38(9–10):545–7 (Eng. Abstr.) **(Fre)**

[Rupture of the stomach following deep-sea diving: report on three cases (author's transl)] de Saint-Julien J, et al. **Chirurgie** 1981;107(10):741–4, 780 (Eng. Abstr.) **(Fre)**

[Iatrogenic, post-anesthetic stomach ruptures] Pailler JL, et al. **Chirurgie** 1981;107(10):745–8 **(Fre)**

[A rare early complication of post-traumatic splenectomy. Rupture of the gastric fundus (author's transl)] Apprill G. **J Chir (Paris)** 1982 Feb;119(2):121–2 (Eng. Abstr.) **(Fre)**

[Successful mebendazole therapy in a case of liver echinococcosis with spontaneous perforation of the stomach] Klemm D. **Aktuel Probl Chir Orthop** 1982;23:96–7 **(Ger)**

[The inadvertent insufflation of oxygen or air into the stomach--an acutely life-threatening event (letter)] Kissel W, et al. **Schweiz Med Wochenschr** 1981 Oct 31; 111(44):1657–9 **(Ger)**

[Perforation of a malignant lymphoma of the stomach] Liebling G, et al. **Z Arztl Fortbild (Jena)** 1982 May 1; 76(9):414–5 **(Ger)**

[An autopsy case of gastric carcinoma, followed by acute gastric dilatation after a biopsy, with past history of gastroparesis diabeticorum (author's transl)] Ohkuni A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Apr; 79(4):988–92 **(Jpn)**

[Perforation of the stomach in childhood] Ambrosius Diener K. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):163–8 (Eng. Abstr.) **(Spa)**

[Spontaneous rupture of the stomach] Ferron Orihuela JA, et al. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):391–4 (Eng. Abstr.) **(Spa)**

[Spontaneous rupture of the stomach] Francos von Hünefeld CM, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):366–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Spontaneous gastric perforation in the newborn infant] Ojanguren I, et al. **An Esp Pediatr** 1981 Jun;14(6):449–51 **(Spa)**

PREVENTION & CONTROL

Impending rupture of the stomach associated with malrotation and midgut volvulus. Yamazaki Y, et al. **Z Kinderchir** 1981 Nov;34(3):291–6

RADIOGRAPHY

[Unclear collection of air in the epi- and mesogastrium] Beck A, et al. **ROFO** 1982 Apr;136(4):478–9 **(Ger)**

[Uncommon roentgenographic findings of neonatal gastric perforation (author's transl)] Imanaka K, et al. **Rinsho Hoshasen** 1981 Jun;26(6):643–7 (Eng. Abstr.) **(Jpn)**

SURGERY

Rupture of the stomach. Theron EJ. **J R Coll Surg Edinb** 1982 May;27(3):188–9

Retrospective evaluation of the management of stomach rupture in newborn infants. Hirata T, et al. **Med J Osaka Univ** 1981 Sep;32(1–2):39–46

VETERINARY

Intestinal obstruction and gastric rupture involving a penetrating foreign body. Dobson H, et al. **Equine Vet J** 1981 Jul;13(3):204–5

Acute gastric dilation and rupture in Macaca arctoides associated with Clostridium perfringens. Christie RJ, et al. **J Med Primatol** 1981;10(4–5):263–4

STOMACH ULCER

Gastric ulceration--a follow-up study. Wright JP, et al. **S Afr Med J** 1981 Oct 17;60(16):611–2

Peptic ulcer: the changing scene. Bouchier IA. **Scott Med J** 1981 Oct;26(4):297–302

BLOOD

Circadian pattern of stress response to affective cues of foot shock. Fukushima M, et al. **Physiol Behav** 1981 Nov; 27(5):915–20

Plasma Aluminum levels of patients on long term sucralfate therapy. Kinoshita H, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar;35(3):515–8

[Tissue fibrinolysis in the mechanism of gastroduodenal hemorrhage in patients with peptic ulcer] Belousov AS, et al. **Klin Med (Mosk)** 1981 Feb;59(2):23–8 **(Rus)**

[Dependence of gastric ulcer on Rh factors] Kobelev MM. **Klin Med (Mosk)** 1980 Jul;58(7):71–4 (Eng. Abstr.) **(Rus)**

[Fibrinolytic system of the blood in peptic ulcer complicated by hemorrhage (retrospective data)] Fisher AA, et al. **Ter Arkh** 1982;54(2):28–32 (Eng. Abstr.) **(Rus)**

[Lipid peroxidation reactions in circulating erythrocytes and certain systems regulating them in ulcer patients] Kulikov VIu, et al. **Vopr Med Khim** 1981;27(4):463–5 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

A profile of the gastric ulcerogenic activity of benoxaprofen compared with other nonsteroidal anti-inflammatory drugs in rats, stressed or given alcohol, and in pigs. Rainsford KD. **Eur J Rheumatol Inflamm** 1982;5(2):148–64

Role of prostaglandin E2 on gastric ulcers induced by non-steroidal anti-inflammatory compounds (NOSAC). Kobayashi K, et al. **Gastroenterol Jpn** 1981 Dec;16(6):600–3

Interaction of indomethacin and aspirin or mepirizole in rats as shown by gastrointestinal ulcerogenic and anti-inflammatory activities. Tsurumi K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):659–66

Production of gastric and duodenal ulceration in the guinea pig using a long-acting form of histamine. Szelenyi I, et al. **J Pharmacol Methods** 1982 Jan;7(1):75–82

Partial protection of the gastric toxicity of regional 5-fluorouracil infusion by thymidine and cimetidine. Al-Jurf AS. **J Surg Oncol** 1982 Jul;20(3):179–81

Gastroscopic findings after therapy with non-steroid antirheumatic drugs. Tympner F. **Z Rheumatol** 1981 Jul-Aug;40(4):179–81

[Gastrocolonic fistula secondary to a drug-induced ulcer] Faurel JP, et al. **Med Chir Dig** 1981;10(7):621–2 **(Fre)**

[The role of endogenous prostaglandin in drug-induced gastrointestinal lesions--comparison of aspirin and indomethacin (author's transl)] Chono S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2295–301 (Eng. Abstr.) **(Jpn)**

[Changes of gastric mucosal vessels in reserpine-induced ulcer (author's transl)] Kagoshima M, et al. **Nippon Yakurigaku Zasshi** 1982 Mar;79(3):203–23 (Eng. Abstr.) **(Jpn)**

[Inhibition of indomethacin-induced gastric ulceration in the rat by 7-oxo-prostaglandin E1 analogs (author's transl)] Hoshina K, et al. **Yakugaku Zasshi** 1981 Mar;101(3):247–53 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Adenocarcinoma at the site of a healed gastric ulcer after 10 years of endoscopic observations. Novis BH, et al. **Am J Gastroenterol** 1982 Feb;77(2):99–100

Operative management of stress ulcers in children. Morden RS, et al. **Ann Surg** 1982 Jul;196(1):18–20

Benign gastro-colic fistulae. Hollinshead JW, et al. **Aust NZ J Surg** 1981 Oct;51(5):452–5

Comparison of surgical and medical management of bleeding peptic ulcers. Vellacott KD, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):548–50

Adult acquired antral web. Huggins MJ, et al. **Dig Dis Sci** 1982 Jan;27(1):80–3

Comparison of endoscopic electrocoagulation and laser photocoagulation of bleeding canine gastric ulcers. Johnston JH, et al. **Gastroenterology** 1982 May;82(5 Pt 1):904–10

Multifocal benign granular cell tumor of the stomach. Chen KT. **J Clin Gastroenterol** 1981;3 Suppl 1:65–7

Perforated stress ulcers in infants. Bell MJ, et al. **J Pediatr Surg** 1981 Dec;16(6):998–1002 (38 ref.)

Biochemical studies on experimental stress ulcer. I. Gastric mucosal hemorrhage and coagulation fibrinolysis in rat stress ulcer. Ito M, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):838–43

Upper gastrointestinal haemorrhage. Bown SG, et al. **J R Coll Physicians Lond** 1981 Oct;15(4):265–8

Effect of hypoxia on acetic acid ulcer of the stomach in rats with or without coenzyme Q10. Kohli Y, et al. **Jpn J Exp Med** 1981 Apr;51(2):105–8

Experimental study of laser photocoagulation in the treatment of bleeding canine gastric ulcers. Escourrou J, et al. **Lasers Surg Med** 1981;1(3):229–34

Stomach ulcers in vitamin A-deficient Syrian golden hamsters. Harada T, et al. **Nippon Juigaku Zasshi** 1982 Apr; 44(2):267–74

Gastric bleeding secondary to laparoscopy in a patient with salpingitis. Hirt PS, et al. **Obstet Gynecol** 1982 May; 59(5):655–7

Gastrocolic fistula complicating benign gastric ulcer [letter] Morris E. **S Afr Med J** 1982 Aug 28;62(10):309–10

Gastrocolic fistula complicating benign gastric ulcer. A case report and review of the literature. Simpson ET, et al. **S Afr Med J** 1982 May 8;61(19):717–8

Pneumopyopericardium as a complication of a benign gastric ulcer. A case report. Beck HI, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):63–4

Exulceratio simplex as conceivable cause of massive gastric hemorrhage. Broberg A, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):186–8

[Gastric ulcer complicated by mycotic infection (author's transl)] Yi HQ. **Chung Hua Wai Ko Tsa Chih** 1981 Nov; 19(11):681–2 (Eng. Abstr.) **(Chi)**

[Unusual cause of massive gastric hemorrhage (comments on the pathogenesis of Dieulafoy's disease)] Koukolik F, et al. **Rozhl Chir** 1980 Jul;59(7):482–9 (Eng. Abstr.) **(Cze)**

[Pneumopericardium caused by perforated stomach ulcer] Søndergaard S, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):622 (Eng. Abstr.) **(Dan)**

[A case of double pylorus with a prepyloric ulcer] Aubry P, et al. **Dakar Med** 1981;26(2):257–60 (Eng. Abstr.) **(Fre)**

[Gastroduodenal perforations of ulcerous origin in Senegal. Therapeutic considerations of apropos of 67 cases collected at the Surgical Clinic of the A. Le Dantec Hospital] Sow ML, et al. **Dakar Med** 1981;26(4):397–403 (Eng. Abstr.) **(Fre)**

[A heater-probe hemostasis of experimental ulcer haemorrhage in the dog (author's transl)] Gipoulou V, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):235–8 (Eng. Abstr.) **(Fre)**

[Pyopneumopericarditis complicating a perforated hiatus hernia ulcer (author's transl)] Galmiche JM, et al. **J Radiol** 1982 Mar;63(3):203–6 **(Fre)**

[Gastrocolonic fistula secondary to a drug-induced ulcer] Faurel JP, et al. **Med Chir Dig** 1981;10(7):621–2 **(Fre)**

[Pyopneumopericardium from perforation of a hiatus hernia ulcer : a case report] Pinsard M, et al. **Poumon Coeur** 1982 Mar-Apr;38(2):117–20 (Eng. Abstr.) **(Fre)**

[Bilateral pneumothorax revealing a perforated peptic ulcer (author's transl)] Bonmarchand G, et al. **Sem Hop Paris** 1982 Apr 1;58(13):807–8 **(Fre)**

[Surgical intervention in cases of gastro-duodenal ulcer bleeding (author's transl)] Schramm H, et al. **Dtsch Z Verdau Stoffwechselkr** 1980;40(6):219–24 (Eng. Abstr.) **(Ger)**

[Prognostic criteria for ulcer closure (author's transl)] Schumpelick V, et al. **Langenbecks Arch Chir** 1982; 357(2):93–103 (Eng. Abstr.) **(Ger)**

[In ulcer perforation, benign pyloric stenosis and malignant transformation always operate!] Riedler L, et al. **Med Klin** 1981 Nov 20;76(24):683–4 **(Ger)**

[Perforated gastroduodenal ulcer. Plication or primary definitive treatment?] Otten G, et al. **Med Welt** 1982 Jan 29;33(4):130–4 **(Ger)**

[Double pylorus] Adolph W. **Z Gesamte Inn Med** 1981 May 1;36(9):302–4 (Eng. Abstr.) **(Ger)**

[Relations between myocardial infarct, gastroduodenal ulcer and endarteritis obliterans] Simone S, et al. **Boll Soc Ital Cardiol** 1980;25(6):677–82 (Eng. Abstr.) **(Ita)**

[Gastric ulcer: precancerous lesion] Colombo F. **Chir Ital** 1981 Dec;33(6):1251–4 **(Ita)**

[Morphology of the reparative processes after the arrest of gastric hemorrhages using various lasers] Eliseenko VI, et al. **Arkh Patol** 1981;43(9):43–50 (Eng. Abstr.) **(Rus)**

[Healing of hemorrhagic stomach ulcers after laser coagulation] Eliseenko VI, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):106–8 **(Rus)**

[Perforation of a stomach ulcer into an echinococcal cyst of the liver] Maksimov IuM, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):105–6 **(Rus)**

[Surgical treatment of pyloroduodenal stenosis of ulcerative etiology (a review of the literature)] Postolov PM, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):74–81 (176 ref.) **(Rus)**

[Vagotomy in surgical treatment of peptic ulcer hemorrhage] Abakimian VA. **Klin Khir** 1981 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

[Atypical gastroduodenal ulcer perforations] Podonenko-Bogdanova AP, et al. **Klin Khir** 1981 Aug;(8):64–6 **(Rus)**

[2 cases of perforated stomach ulcer in children] Raiz AL, et al. **Klin Khir** 1981 Dec;(12):46–7 **(Rus)**

[Blood kallikrein-kinin system in peptic ulcer complicated by gastroduodenal hemorrhage] Belousov AS, et al. **Klin Med (Mosk)** 1982 Feb;60(2):34–7 (Eng. Abstr.) **(Rus)**

[Modern surgical treatment methods in perforating ulcers located in the pyloroduodenum] Pomelov VS, et al. **Sov Med** 1981;(7):57–62 (75 ref.) **(Rus)**

[Hemodynamics in patients operated on for peptic ulcer hemorrhage] Aniskevich VS. **Vestn Khir** 1981 Sep; 127(9):39–43 (Eng. Abstr.) **(Rus)**

[Choice of the emergency surgical method in gastric and duodenal peptic ulcer complications] Bachev II. **Vestn Khir** 1982 Jan;128(1):57–9 (Eng. Abstr.) **(Rus)**

[Incidence and characteristics of complicated forms of gastric ulcer] Khachiev LG, et al. **Vestn Khir** 1982 Mar;128(3):23–6 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of complicated stomach and duodenal ulcer] Khokholia VP. **Vestn Khir** 1981 Sep; 127(9):143–6 (46 ref.) **(Rus)**

[Acute gastroduodenal hemorrhage in young persons suffering from peptic ulcer] Dorofeev GI, et al. **Voen Med Zh** 1982 Jun;(6):52–3 **(Rus)**

[Perforated stomach and duodenal ulcers in military personnel] Tsybuliak GN, et al. **Voen Med Zh** 1982 Feb; (2):62–4 **(Rus)**

DIAGNOSIS

Endoscopy in the management of gastric ulcer disease. Malmaeus J, et al. **Acta Chir Scand** 1981;147(7):551–3

The gastric ulcer: a fiberendoscopic approach to detection and differential diagnosis (excerpts from the A/S/G/E endoscopic teaching syllabus). A/S/G/E Postgraduate Education Sub-Committee. Hogan WJ, et al. **Gastrointest Endosc** 1981 Aug;27(3):189–91

Ultrasonography and computed tomography of gastric wall lesions. Yeh HC, et al. **Radiology** 1981 Oct;141(1):147–55

[Gastric acidity in a double ulcer (of the stomach and duodenum)] Ivanov S, et al. **Vutr Boles** 1981;20(5):49–54 (Eng. Abstr.) **(Bul)**

[Role of stomach fibroscopy in indications for surgery] Kodlová E, et al. **Rozhl Chir** 1981 Feb;60(2):97–100 (Eng. Abstr.) **(Cze)**

[Gastric and duodenal ulcers in the child: diagnostic problems. Apropos of 53 cases] Chapoy P, et al. **Pediatrie** 1981 Sep;36(6):425–36 (Eng. Abstr.) **(Fre)**

[Malignant gastric ulcer] Neaman A, et al. **Harefuah** 1981 Aug;101(3–4):53–4 (Eng. Abstr.) **(Heb)**

[Radioimmunoassay in determination of pepsinogen I in the blood: new diagnostic test of gastric function. Personal results and review of literature] Sategna-Guidetti C, et al. **Recenti Prog Med** 1981 Sep;71(3):306–15 (38 ref.) (Eng. Abstr.) **(Ita)**

[Gastric changes associated with esophageal varices in fiberoptic examinations] Kozdronkiewicz Z, et al. **Wiad Lek** 1982 Jan 1;35(1):11–4 (Eng. Abstr.) **(Pol)**

[Gastrofiberscopy in detecting erosive lesions of the gastric mucosa in the polyclinic] Udod VM, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):24–7 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of secondary stomach ulcers in pyloroduodenal stenoses] Vakhidov VV, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):58–62 **(Rus)**

[Difficulties in the detection of gastric and duodenal ulcers during laparotomy] Spivak VP, et al. **Klin Khir** 1981 Aug; (8):66–7 **(Rus)**

[Large and giant ulcerations of the stomach] Bachev II. **Klin Med (Mosk)** 1981 Oct;59(10):60–2 (Eng. Abstr.) **(Rus)**

[Symptomatic characteristics of ulcerative lesions of the stomach and duodenum] Potashov LV, et al. **Klin Med (Mosk)** 1981 Oct;59(10):57–60 **(Rus)**

[Primary ulcerative cancer of the stomach] Vinner MG, et al. **Klin Med (Mosk)** 1982 Mar;60(3):52–5 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of determining gastric acid secretion and immunoglobulins in gastric erosion] Kovanova LA, et al. **Lab Delo** 1982;(2):69–73 (Eng. Abstr.) **(Rus)**

[Diagnostic value of determination of intragastric proteolysis in malignant stomach ulcer] Dzodzuashvili KA. **Ter Arkh** 1981;53(10):54–5 (Eng. Abstr.) **(Rus)**

[Stomach ulcer in middle-aged and aged patients (clinico-morphological data)] Maĭorov VM, et al. **Ter Arkh** 1982;54(2):22–6 (Eng. Abstr.) **(Rus)**

[Criteria of differential diagnosis of stomach ulcer and variants of stomach cancer] Vlasov PV, et al. **Vopr Onkol** 1981;27(11):41–6 (Eng. Abstr.) **(Rus)**

[Course of gastric and duodenal peptic ulcer in young persons] Malov IuS. **Vrach Delo** 1982 Feb;(2):18–22 (Eng. Abstr.) **(Rus)**

[Clinico-endoscopic data on multiple gastric and duodenal ulcers] Nikol'skaia OM, et al. **Vrach Delo** 1982 May;(5):86–8 **(Rus)**

[Value of endoscopic examination of patients with peptic ulcer in polyclinics] Tolmach DV, et al. **Vrach Delo** 1981 Mar;(3):36–8 **(Rus)**

[Thermographic control of the conservative treatment of peptic ulcer] Zaĭtseva RI. **Vrach Delo** 1982 Jun;(6):28–32 (Eng. Abstr.) **(Rus)**

DIET THERAPY

[Treatment of gastric and duodenal peptic ulcer by a diet containing large amounts of protein] Shchedrunov VV, et al. **Vopr Pitan** 1981 Jul-Aug;(4):67–8 **(Rus)**

DRUG THERAPY

Effect of cimetidine on the regeneration of the gastric mucosa around a peptic ulcer. Kasajima M, et al. **Am J Gastroenterol** 1982 May;77(5):331–4

Therapeutic effect of pirenzepine dihydrochloride on gastric ulcer evaluated by a double-blind controlled clinical study. Phase III study. Ishimori A, et al. **Arzneimittelforsch** 1982; 32(5):556–65

Long-term treatment of gastric ulcer with cimetidine. Da Silva EP, et al. **Clin Ther** 1981;4(1):24–31

Prostaglandin therapy in a case of refractory stress ulcer bleeding. Groeger JS, et al. **Crit Care Med** 1982 Jul; 10(7):486–7

The treatment of duodenal and gastric ulcer with ranitidine--a controlled, multicentre clinical trial. Gibinski K, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):64–9

Study of antiulcer activity of aqueous extract of leaves of Pyrenacantha staudtii (family Icacinaceae) using various models of experimental gastric ulcer in rats. Aguwa CN, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):215–9

Selective coating of gastric ulcer by tripotassium dicitrato bismuthate in the rat. Koo J, et al. **Gastroenterology** 1982 May;82(5 Pt 1):864–70

Development of duodenal ulcer during cimetidine treatment for gastric ulcer [letter] Emmanouilidis A, et al. **Gastrointest Endosc** 1982 May;28(2):115–6

Comparison between cimetidine and Caved-S in the treatment of gastric ulceration, and subsequent maintenance therapy. Morgan AG, et al. **Gut** 1982 Jun;23(6):545–51

Gastric ulcer healing with tripotassium dicitrato bismuthate and subsequent relapse. Sutton DR. **Gut** 1982 Jul; 23(7):621–4

Multicentre double blind clinical trial on ranitidine for gastroduodenal ulcer. Gibinski K, et al. **Hepatogastroenterology** 1981 Aug;28(4):216–7

Effect of food and antacid on binding of sucralfate to normal and ulcerated gastric and duodenal mucosa in rats. Giesing DH, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):111–6

Ulcer healing and relapse rates after initial treatment with cimetidine or sucralfate. Marks IN, et al. **J Clin Gastroenterol** 1981;3(Suppl 2):163–5

Prostaglandin E2 potentiatcs the protective effect of cimetidine against stress-induced gastric ulceration. Materia A, et al. **J Surg Res** 1982 May;32(5):471–6

Effects of the antiulcer drug geranylgeranylacetone on aspirin-induced gastric ulcers in rats. Murakami M, et al. **Jpn J Pharmacol** 1982 Apr;32(2):299–306

Effect of N-acetyl-L-glutamine aluminum complex (KW-110), an antiulcer agent, on the non-steroidal anti-inflammatory drug-induced exacerbation of gastric ulcer in rats. Tanaka H, et al. **Jpn J Pharmacol** 1982 Apr; 32(2):307–13

Effects of alpha-methylnoradrenaline and alpha-methyldopamine in reserpine-induced ulcers in rats. Sandor V, et al. **Pharmacology** 1981;23(2):91–4

Ranitidine in the treatment of gastric ulceration. Wright JP, et al. **S Afr Med J** 1982 Jan 30;61(5):155–8

Antacid/anticholinergic, cimetidine, and placebo in treatment of active peptic ulcers. Ström M, et al. **Scand J Gastroenterol** 1981;16(5):593–602

Inhibition of gastrin secretion by pirenzepine (LS 519) in treatment of gastric ulcer. Tatsuta M, et al. **Scand J Gastroenterol** 1981;16(2):269–71

[Rational pharmacotherapy in gastric ulcer] Rune SJ. **Nord Med** 1982 Mar;97(3):72–3 (Eng. Abstr.) **(Dan)**

[Healing of juxtapyloric ulcers during cimetidine (Tagamet) therapy. a gastroscopic and clinical assessment] Gandrup P, et al. **Ugeskr Laeger** 1981 Jul 6;143(28):1759–61 (Eng. Abstr.) **(Dan)**

[Antisecretory and antiulcer activities of N-methyl-2-(2-pyridyl)-2,3,4,5,-tetrahydro-2-thiophene-(R.P. .40, 749) (author's transl)] Derégnaucort J, et al. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):591–4 (Eng. Abstr.) **(Fre)**

[Results of a controlled comparative study between cimetidine and pirenzepin in 60 patients with ulcera ventriculi or duodeni] Mittelstaedt A, et al. **Fortschr Med** 1981 Nov 12;99(42):1764–8 **(Ger)**

[Inhibition of acid secretion with substituted benzimidazole. A new principle in ulcer therapy?] Simon B, et al. **Fortschr Med** 1982 Feb 4;100(5):159–60 (Eng. Abstr.) **(Ger)**

[Conservative treatment of gastric ulcer] Bretzke G. **Z Arztl Fortbild (Jena)** 1981 Feb 1;75(3):93–5 **(Ger)**

[Gastritis, stomach ulcer, reflux diseases. Motility effective therapy with Motilium] Heinkelein J. **ZFA (Stuttgart)** 1982 Jun 30;58(18):1028–30 **(Ger)**

[Prolonged cimetidine treatment in duodenal and gastric ulcer. Clinical experience] Cagianelli MA, et al. **Clin Ter** 1981 Sep 15;98(5):511–5 (Eng. Abstr.) **(Ita)**

[Acid anti-secretion therapy in gastric and duodenal ulcer] Lattanzi A. **Clin Ter** 1981 Oct 31;99(2):187–205 (76 ref.) **(Ita)**

[Prostaglandin E2 improves cimetidine-uneffected intractable gastric ulcers (author's transl)] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1121 **(Jpn)**

[Effects of a new histamine H2-receptor antagonist, ranitidine, on experimental acute gastric and duodenal ulcers (author's transl)] Okabe S, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):397–406 (Eng. Abstr.) **(Jpn)**

[Effects of ranitidine, a new histamine H2-receptor antagonist, on histamine- and aspirin-induced gastric ulcers in rats and dogs (author's transl)] Okabe S, et al. **Nippon Yakurigaku Zasshi** 1981 Dec;78(6):549–55 (Eng. Abstr.) **(Jpn)**

[Studies on the compounds related to azulene. III. Synthesis and antiulcer activity of acylaminoguaiazulenes (author's transl)] Hamajima R, et al. **Yakugaku Zasshi** 1981 Nov; 101(11):1048–52 (Eng. Abstr.) **(Jpn)**

[Biochemical bases of the anti-ulcer action of GABA and sodium oxybate] Tatevosian AT, et al. **Farmakol Toksikol** 1982 Mar-Apr;45(2):48–52 (Eng. Abstr.) **(Rus)**

[Mechanism of action of various neurotrophic drugs on reparative processes in injured gastric mucosa] Loginov AS, et al. **Patol Fiziol Eksp Ter** 1982 Jan-Feb;(1):26–30 (Eng. Abstr.) **(Rus)**

[Drug therapy of ulcer disease] Andrejević M. **Srp Arh Celok Lek** 1981 Jan;109(1):31–44 **(Scc)**

ENZYMOLOGY

[Studies on biosynthesis of gastric glycoprotein in the rat gastric mucosal damage. I. Studies on assay method for UDP-galactosyl transferase (author's transl)] Okamoto S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr; 78(4):812–6 (Eng. Abstr.) **(Jpn)**

[Studies on biosynthesis of gastric glycoprotein in the rat gastric mucosal damage. II. Studies on UDP-galactosyl transferase activity in the rat gastric mucosal damage by phenylbutazone (author's transl)] Okamoto S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):817–21 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

An unusual complication of gastric bypass: perforated antral ulcer. Andersen OS, et al. **Am J Gastroenterol** 1982 Feb; 77(2):93–4

Experimental gastric ulcer produced by electrocoagulation. Mann NS, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1982 Mar; 33(3):14–7, 20

Acidification of arterial blood enhances gastric mucosal injury induced by bile salts in dogs. Cheung LY, et al. **Am J Surg** 1982 Jan;143(1):74–9

Gastric blood flow, tissue gas tension and microvascular changes during hemorrhage-induced stress ulceration in the pig. Kivilaakso E, et al. **Am J Surg** 1982 Mar; 143(3):322–30

Gastric ulceration after fundic wrapping. Vagal nerve entrapment, a possible causative factor. Herrington JL Jr, et al. **Ann Surg** 1982 May;195(5):574–81

Stress ulcers during live Escherichia coli sepsis. The role of acid and bile. Rees M, et al. **Ann Surg** 1982 May; 195(5):646–52

Linear ulcers of the greater curvature of the stomach in patients with mucosal pyloric stenosis. Gough MJ, et al. **Br J Surg** 1982 Sep;69(9):523–4

Nerve growth factor potentiates stress-induced gastric ulceration. Li AK, et al. **Br J Surg** 1982 Apr;69(4):212–4

Prostaglandin therapy in a case of refractory stress ulcer bleeding. Groeger JS, et al. **Crit Care Med** 1982 Jul; 10(7):486–7

Nicotine and ascorbic acid effects on cold-restraint ulcers in rats. Glavin GB, et al. **Experientia** 1982 May 15; 38(5):603–4

Bile reflux: a possible cause of stomach ulcer in nontreated mutant mice of W/WV genotype. Yokoyama M, et al. **Gastroenterology** 1982 May;82(5 Pt 1):857–63

Experimental studies on developmental mechanism of acute hemorrhagic gastric ulcers with emphasis on the effects of histamine. Ogawa Y, et al. **Hiroshima J Med Sci** 1981 Sep;30(3):191–201

Gastric ulceration after fundoplication for gastro-oesophageal reflux. Gay RJ, et al. **Ir J Med Sci** 1982 Jun;151(6):190–1

Effects of d-amphetamine on activity-stress ulcers in rats. Glavin GB, et al. **Kurume Med J** 1981;28(3):223–6

Bleeding carcinomatous ulcer of the stomach [letter] Hunt PS, et al. **Med J Aust** 1982 Jun 12;1(12):494

Studies on the pathogenesis of stress ulcers. Shimoi T. **Nippon Geka Hokan** 1981 Mar 1;50(2):253–71

Acid–base imbalance and ulceration in the cold restrained rat. Bushell M, et al. **Surgery** 1982 Mar;91(3):318–21

Role of gastric mucosal folds in formation of focal ulcers in the rat. Mersereau WA, et al. **Surgery** 1982 Feb; 91(2):150–5

Stomach ulcer and lysosomal cathepsin. Watanabe S, et al. **Tohoku J Exp Med** 1981 May;134(1):39–44

[Candidiasis and gastric ulcer after cimetidine therapy (letter)] Eugene C, et al. **Nouv Presse Med** 1981 Sept 12; 10(32):2665 **(Fre)**

[Is there a special ulcer of old age? A contribution on the significance of vascular factors as integrating components in the pathogenesis of stomach ulcer] Wanke M, et al. **Z Gerontol** 1982 Mar–Apr;15(2):91–101 (Eng. Abstr.) **(Ger)**

[Experimental gastric ulcer produced by the reduction of HCO3– concentration in the extracellular fluid (author's transl)] Hiramatsu K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1122 **(Jpn)**

[Studies on the mechanism of acute gastric mucosal lesion. (III). The hemoperfusion and oxygen insufficiency in the gastric mucosa after head– or thermal–injury analyzed by reflectance spectrophotometry (author's transl)] Kamada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2302–7 (Eng. Abstr.) **(Jpn)**

[Development from acute gastric lesions to chronic gastric ulcer — a clinical and experimental study on the natural history of gastric ulcer (author's transl)] Ohara T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun;78(6):1177–84 (Eng. Abstr.) **(Jpn)**

[Studies on the autonomic nervous regulation of the gastric mucosal microcirculation in rats—with special reference to the pathogenesis of the experimental restraint–induced gastric ulcer (author's transl)] Tsuchiya M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1000–14 (Eng. Abstr.) **(Jpn)**

[Experimental studies on mechanism of formation and prevention of cimetidine and vagotomy in stress ulcer (author's transl)] Urakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1370–9 (Eng. Abstr.) **(Jpn)**

[Duodenogastric reflux and stomach ulcer in chronic liver and biliary tract diseases] Koba S, et al. **Pol Tyg Lek** 1981 Jul 20;36(29):1099–101 (Eng. Abstr.) **(Pol)**

[Acute (stress–induced) stomach ulcer in experimental and clinical studies] Sawicz–Birkowska K. **Wiad Lek** 1981 Mar 1;34(5):395–9 (40 ref.) **(Pol)**

[Functional activity of the hypothalamo–neurohypophyseal secretory system exposed to adrenoblockaders during the development of gastric stress ulcers] Kosenko AF, et al. **Fiziol Zh SSSR** 1982 May;68(5):667–72 **(Rus)**

[Ulceration of gastric fibrohistiocytosis] Kushnirenko OIu, et al. **Ter Arkh** 1981;53(10):131–2 **(Rus)**

IMMUNOLOGY

Prevention of reaginic antibody production and anaphylactic gastric ulcer by pesticides and by a polychlorinated biphenyl. André F, et al. **Environ Res** 1981 Aug;25(2):381–5

The activity–stress ulcer and antibody production in rats. Hara C, et al. **Physiol Behav** 1981 Oct;27(4):609–13

METABOLISM

Gastric mucosubstances and benign gastric ulceration. Morrissey SM, et al. **Adv Exp Med Biol** 1982;144:147–9

Sucralfate: pharmacokinetics, metabolism and selective binding to experimental gastric and duodenal ulcers in animals. Steiner K, et al. **Arzneimittelforsch** 1982; 32(5):512–8

Tissue fibrinolysis in experimental gastric ulcer: a study in the rat. Stenberg B, et al. **Eur J Clin Invest** 1981 Oct; 11(5):361–7

Role of prostaglandin E2 on human gastric ulcers. Kobayashi K, et al. **Gastroenterol Jpn** 1982;17(1):21–4

Gastric mucosal prostaglandin E levels in patients with gastric ulcer disease and carcinoma. Wright JP, et al. **Gastroenterology** 1982 Feb;82(2):263–7

Effect of cimetidine on the amounts of histamine in the gastric mucosa of patients with gastric or duodenal ulcers. Man WK, et al. **Gut** 1981 Nov;22(11):923–6

Antral gastrin and somatostatin concentrations in peptic ulcer patients. Sumii K, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:281–3

[The behaviour of basal gastric secretion during exercise and restitution in chronic gastric and duodenal ulcer patients (author's transl)] Zach E, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(2–3):53–63 (Eng. Abstr.) **(Ger)**

[Studies on gastric mucosal prostaglandin in phenylbutazone ulcer rats (author's transl)] Amioka I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):782–9 (Eng. Abstr.) **(Jpn)**

[Studies on the tissue fibrinolytic activity in gastric mucosa in patients with gastric ulcer (author's transl)] Miki H. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):790–7 (Eng. Abstr.) **(Jpn)**

[Histochemical and biochemical studies on stress ulcer in water immersion restrained rat (author's transl)] Takakura J. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct; 78(10):1901–7 (Eng. Abstr.) **(Jpn)**

[Studies on defensive factors of experimental ulcers (2). Increasing action of aceglutamide aluminum on defensive factors in acetic acid ulcers of rats (author's transl)] Ito M, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):327–34 (Eng. Abstr.) **(Jpn)**

[Role of serotonin in the pathogenesis of ulcer development] Amirov NSh, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):23–6 (Eng. Abstr.) **(Rus)**

[Relation between gastric glycoprotein and proteases in rats with experimental ulcers] Amirov NSh, et al. **Patol Fiziol Eksp Ter** 1981 May–Jun;(3):21–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The complex wane of peptic ulcer. II. Trends in duodenal and gastric ulcer admissions to 790 hospitals, 1974–1979. Wylie CM. **J Clin Gastroenterol** 1981 Dec;3(4):333–9

[Ulcer disease as a medical and social problem in the region of Vojvodina] Zivanović M, et al. **Med Pregl** 1981; 34(11–12):545–8 **(Scr)**

PATHOLOGY

Clinic–pathological study of gastro–duodenal ulcers from the standpoint of aging of the patients. Yamagiwa H, et al. **Acta Pathol Jpn** 1981 Sep;31(5):783–90

Histology of experimental stress ulcer: the effect of cimetidine on adrenaline–induced gastric lesions in the rabbit. Man WK, et al. **Br J Exp Pathol** 1981 Aug;62(4):411–8

Pseudolymphomas of the stomach: a lesion characterized by progressively transformed germinal centres. Hyjek E, et al. **Histopathology** 1982 Jan;6(1):61–8

Electron microscopic and histochemical research into intestinal metaplasia in gastric ulcer and cancer. Gavriliță L, et al. **Morphol Embryol (Bucur)** 1982 Jan–Mar;28(1):25–9

Effects of divided feeding on activity–stress ulcer and the thymus weight in the rat. Tsuda A, et al. **Physiol Behav** 1981 Aug;27(2):349–53

The cytoprotective effects of (+/–)–15–deoxy–16–alpha, beta–hydroxy–16–methyl PGE1 methyl ester (sc–29333) versus aspirin–shock gastric ulcerogenesis in the dog. Larsen KR, et al. **Prostaglandins** 1981;21 Suppl:119–24

magnified endoscopic observations on the healing process of experimental ulcers. Miwa M, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):147–9

Repair of gastric ulcer. A cell kinetic study. Helpap B, et al. **Virchows Arch [Pathol Anat]** 1981;392(2):159–70

Gastric mucosa after selective proximal vagotomy at stomach and duodenal ulcers. Zufarov KA, et al. **Z Mikrosk Anat Forsch** 1982;96(2):346–60

[Changes in the mucous barrier of the stomach due to some drugs (author's transl)] Jablonská M, et al. **Cesk Gastroenterol Vyz** 1981 Aug;35(6):276–84 (Eng. Abstr.) **(Cze)**

[Studies on lymphoid hyperplasia in the resected stomach of ulcer and cancer (author's transl)] Obara K. **Nippon Shokakibyo Gakkai Zasshi** 1981 Aug;78(8):1555–67 (Eng. Abstr.) **(Jpn)**

[Anatomococlinical considerations on the malignant transformation of gastric ulcer] Boicescu L. **Rev Med Interna [Med Interna]** 1981 Jul–Aug;33(4):337–44 (Eng. Abstr.) **(Rum)**

[Morphofunctional state of the gastric mucosa in primary, combined and secondary stomach ulcer] Khachiev LG, et al. **Arkh Patol** 1982;44(5):25–30 (Eng. Abstr.) **(Rus)**

[Regeneration of gastric mucosa and its clinical significance] Aruin LI. **Klin Med (Mosk)** 1981 Feb;59(2):55–63 (Eng. Abstr.) **(Rus)**

[Clinical course of peptic ulcer in young patients with a double localization of the ulcer] Popov DT, et al. **Sov Med** 1981;(6):108–10 **(Rus)**

PHYSIOPATHOLOGY

Influence of nonsteroidal anti–inflammatory compounds on healing of chronic gastric ulcers in rats. Szelenyi I, et al. **Agents Actions** 1982 Apr;12(1–2):180–2

Effects of beta–adrenoceptor drug stimulation on various models of gastric ulcer in rats. Esplugues J, et al. **Br J Pharmacol** 1982 Aug;76(4):587–94

Gastric hypermotility and antropyloric dysfunction in gastric ulcer patients. Liebermann–Meffert D, et al. **Br J Surg** 1982 Jan;69(1):11–13

A new experimental model of stress ulcers employing aggressive behavior in 6–OHDA–treated rats. Mine K, et al. **Physiol Behav** 1981 Oct;27(4):715–21

Role of gastric acid and prostaglandins in the formation of gastric antral ulcers produced by indomethacin in the rat. Satoh H, et al. **Prostaglandins** 1981;21 Suppl:131–7

[Contact transendoscopic thermometry via a tube in active gastric and duodenal ulcer] Tenev T. **Vutr Boles** 1982; 21(3):21–5 (Eng. Abstr.) **(Bul)**

[Gastric anaphylactic ulcer in the mastomys: a study of mechanisms involved in its onset and localization (author's transl)] André F, et al. **Gastroenterol Clin Biol** 1982 Feb; 6(2):170–6 (Eng. Abstr.) **(Fre)**

[Benign stomach ulcers—even without acid?] Stelzel W, et al. **Med Klin [Prax]** 1982 Jan 15;77(2):49–50 **(Ger)**

[Current concepts in gastric ulcer pathogenesis (author's transl)] Schiessel R, et al. **Wien Klin Wochenschr** 1982 Feb 19;94(4):95–100 (53 ref.) (Eng. Abstr.) **(Ger)**

[Experimental study for the gastric mucosal damage—especially, the effect of cigarette smoking on the healing course of acetic acid ulcer in rats (author's transl)] Chujoh C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2285–94 (Eng. Abstr.) **(Jpn)**

[Evaluation of the coagulation and fibrinolysis systems in gastric and duodenal peptic ulcer patients] Kempf Z. **Folia Med Cracov** 1981;23(2):257–67 (Eng. Abstr.) **(Pol)**

[Clinical usefulness of the study of gastric secretion] Sadowski J, et al. **Wiad Lek** 1981 Aug 1;34(15):1251–4 (Eng. Abstr.) **(Pol)**

[Measurement of duodenogastric reflux by I131–labelled bromsulphalein: technical aspects and results in gastric ulcer patients] Pires PW, et al. **Rev Paul Med** 1981 Apr–Jun;97(4–6):50–3 (Eng. Abstr.) **(Por)**

[Gastric secretion in gastric ulcer] Kliminskiĭ IV, et al. **Sov Med** 1981;(11):17–21 (Eng. Abstr.) **(Rus)**

[Functional state of the hepatobiliary system in gastric and duodenal peptic ulcer] Ivancho ES. **Vrach Delo** 1982 Feb; (2):23–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the course of gastric and duodenal peptic ulcer as a function of the site of the ulcer] Valenkevich LN, et al. **Vrach Delo** 1981 Dec;(12):20–3 (Eng. Abstr.) **(Rus)**

[Maximal gastric secretory capacity in gastric and duodenal ulcer: its relation to the blood groups of the patients (1)] Gutiérrez Cabano CA. **Rev Esp Enferm Apar Dig** 1981 Oct; 60(4):347–50 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Reduction of aspirin–induced ulcers by a new imidazoline anti–inflammatory agent. Holsapple MP, et al. **Agents Actions** 1981 Dec;11(6–7):718–22

The influence of paracetamol on the erosive activity of indomethacin in the rat stomach. van Kolfschoten AA, et al. **Agents Actions** 1982 Apr;12(1–2):247–53

Prevention of phenylbutazone ulcer in the rat by glucose: role of a glycoprivic receptor system. Mersereau WA, et al. **Am J Physiol** 1982 Apr;242(4):G429–32

Cytoprotective effect of centrally administered neurotensin on stress–induced gastric ulcers. Nemeroff CB, et al. **Am J Physiol** 1982 Apr;242(4):G342–6

Benzodiazepines reduce gastric ulcers induced in rats by stress. File SE, et al. **Br J Pharmacol** 1981 Nov;74(3):593–9

Aspirin–induced gastric ulcers in cats. Prevention by prostacyclin. Konturek SJ, et al. **Dig Dis Sci** 1981 Nov; 26(11):1003–12

Effects of antacids, cimetidine, and 16,16–dimethyl prostaglandin E2 on acute gastric erosions in a spinal rat. Sigman HH, et al. **Dig Dis Sci** 1982 Mar;27(3):220–4

The effect of physical exertion on experimentally induced gastric ulcer in white rats. Vasileva M, et al. **Folia Med (Plovdiv)** 1981;23(3–4):47–50

High plasma HCO3–protects gastric mucosa against acute ulceration in the rat. Kivilaakso E. **Gastroenterology** 1981 Nov;81(5):921–7

Prevention of ethanol and aspirin–induced gastric mucosal lesions by paracetamol and salicylate in rats: role of endogenous prostaglandins. Konturek SJ, et al. **Gut** 1982 Jun;23(6):536–40

The role of a defined formula diet in the prevention of stress–induced gastric mucosal injury in the rat. Mabogunje OA, et al. **J Pediatr Surg** 1981 Dec;16(6):1036–9

Effects of branched chain fatty acids of iso–C12:0 to iso–C16:0 on gastric secretion and experimental ulceration in rats. Mimura T, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):844–50

Effects of CL–1700 and its constituents on acute or chronic gastric lesions and gastric secretion in rats. Kunimi H, et al. **Jpn J Pharmacol** 1982 Jun;32(3):469–77

Synthesis and anti–ulcer activity of 16–phenoxy analogues of (+)–11–deoxyprostaglandin E1. Banerjee AK, et al. **Prostaglandins** 1981 Aug;22(2):167–82

Gastric cytoprotection in man by prostaglandin E2. Ruppin H, et al. **Scand J Gastroenterol** 1981;16(5):647–52

[Long–acting secretin for the prevention of stress ulcers in surgery (author's transl)] Spilker G, et al. **Nouv Presse Med** 1982 Jan 30;11(4):267–9 (Eng. Abstr.) **(Fre)**

[The antigastric ulcer activity of succinic acid mono–3–guaiazulenamide (TPH–3) (author's transl)] Kojima K, et al. **Nippon Yakurigaku Zasshi** 1982 Jan; 79(1):23–32 (Eng. Abstr.) **(Jpn)**

[Experimental study on the effect of metoclopramide on ulcer formation] Groĭsman SD, et al. **Fiziol Zh** 1982 May; 28(3):334–9 (Eng. Abstr.) **(Rus)**

[Use of plant and vitamin preparations to prevent stomach ulcers induced by immobilization, noise and vibration in rats] Mashchenko NP, et al. **Fiziol Zh** 1982 Jan–Feb; 28(1):103–6 **(Rus)**

[Main problems in the prevention of chronic stomach diseases] Burchinskiĭ GI. **Klin Med (Mosk)** 1981 Nov; 59(11):12–9 **(Rus)**

PSYCHOLOGY

The psyche and stomach ulcers. Murray JB. **Genet Psychol Monogr** 1982 May;105(Second Half):181–212

Adaptation effects on activity–stress ulcers in rats. Glavin GB. **Pavlov J Biol Sci** 1982 Jan–Mar;17(1):42–4

Septal lesions, emotionality, and restraint-induced stomach pathology in rats. Henke PG. **Physiol Behav** 1982 Apr; 28(4):739–41

'Coping' and gastric ulceration in rats after prolonged active avoidance performance. Murison R, et al. **Physiol Behav** 1981 Aug;27(2):345–8

Influence of feeding situation on stomach ulcers and organ weights in rats in the activity-stress ulcer paradigm. Tsuda A, et al. **Physiol Behav** 1982 Feb;28(2):349–52

RADIOGRAPHY

Detection of gastric ulcer: comparison of single- and double-contrast examination. Ott DJ, et al. **AJR** 1982 Jul; 139(1):93–7

The sensitivity of radiography of the postoperative stomach. Ott DJ, et al. **Radiology** 1982 Sep;144(4):741–3

Lesser curve shortening in gastric ulceration. Kottler RE, et al. **S Afr Med J** 1982 Jul 3;62(1):30–2

[Radiologic diagnosis between benign and malignant gastric ulcer by counter table (author's transl)] Wu FQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):130–4 **(Chi)**

[Studies on x-ray diagnosis of linear ulcers in the body of stomach (author's transl)] Koga H. **Igaku Kenkyu** 1981 Oct; 51(4):186–200 (Eng. Abstr.) **(Jpn)**

[Gastric ulcer simulating submucosal tumor on the roentgen finding (author's transl)] Hasegawa T, et al. **Rinsho Hoshasen** 1981 Jun;26(6):687–90 (Eng. Abstr.) **(Jpn)**

[Characteristics of the clinical x-ray manifestations of gastric peptic ulcer depending on the size of the niche] Vlasov PV, et al. **Klin Med (Mosk)** 1981 Oct;59(10):62–6 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Histoautoradiographic control of the healing of chronic stomach ulcers] Kalinka RF. **Sov Med** 1981;(8):52–6 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the efficacy of step-by-step-rehabilitation of patients with different localization of peptic ulcer] Elizavetina GA, et al. **Ter Arkh** 1982; 54(1):105–8 (Eng. Abstr.) **(Rus)**

SURGERY

Carcinoma diagnosed in excised gastric ulcers. Haukland HH, et al. **Acta Chir Scand** 1981;147(6):439–43

The long-term outcome of Billroth I partial gastrectomy for benign gastric ulcer. Thomas WE, et al. **Ann Surg** 1982 Feb;195(2):189–95

Treatment of gastric ulcer by parietal cell vagotomy and excision of the ulcer. Rationale and early results. Jordan PH Jr. **Arch Surg** 1981 Oct;116(10):1320–3

Recurrent ulcer. Amdrup E. **Br J Surg** 1981 Oct; 68(10):679–81 (21 ref.)

A quantifiable bleeding gastric ulcer in dogs for assessing the neodymium Yag laser. MacLeod IA, et al. **Endoscopy** 1982 Jan;14(1):9–10

Gastric cancer after vagotomy and excision for gastric ulcer. Haukland H, et al. **Eur Surg Res** 1981;13(5):371–5

Evaluation of conservative and operative management of bleeding peptic ulcer. Mishra S, et al. **J Indian Med Assoc** 1981 Oct 1;77(7):113–5

The evaluation of argon laser photocoagulation in a series of animal models of upper gastrointestinal bleeding. Gilbert DA, et al. **Lasers Surg Med** 1980;1(2):177–82

Late complications after total gastrectomy and their surgical prevention. II. Lygidakis NJ. **Med Chir Dig** 1982; 11(2):131–7

Surgical excision of gastric ulcers near the gastroesophageal junction. Donahue PE, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):85–8

Low-risk thoracic vagotomy for anastomotic ulceration. Lehr L, et al. **World J Surg** 1982 Jan;6(1):93–7

[Clinical characteristics of stress ulcer complicating burn and its operative treatment (author's transl)] Liu YL. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):654–6 (Eng. Abstr.) **(Chi)**

[Surgical treatment, excluding proximal vagotomy, of uncomplicated peptic ulcers (author's transl)] Guillet R, et al. **Chirurgie** 1981 Jun;107(7):536–45 (Eng. Abstr.) **(Fre)**

[Proximal gastric vagotomy - an interim balance] Siewert R, et al. **Chirurg** 1981 Aug;52(8):511–8 (Eng. Abstr.) **(Ger)**

[Results of thoracic vagotomy for stomal ulceration following Billroth I gastric resection (author's transl)] Kieninger G, et al. **Langenbecks Arch Chir** 1982; 356(3):181–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of gastroduodenal ulcers in the elderly (author's transl)] Seitz W, et al. **Langenbecks Arch Chir** 1982;356(2):95–103 (Eng. Abstr.) **(Ger)**

[Ulcer surgery on the stomach. 100 years after Billroth] Helwing E. **Med Welt** 1981 Nov 27;32(48):1820–1 **(Ger)**

[Bleeding ulcers in the pyloric channel and in the proximal duodenum (author's transl)] Martinoli S. **Praxis** 1981 Dec 1;70(49):2209–12 (Eng. Abstr.) **(Ger)**

[Surgical treatment of bleeding gastric ulcers (author's transl)] Müller C. **Praxis** 1981 Sep 29;70(40):1754–60 (Eng. Abstr.) **(Ger)**

[Double contrast examination of the afferent loop of the Billroth II stomach (author's transl)] Sapounov S. **ROFO** 1982 May;136(5):543–5 (Eng. Abstr.) **(Ger)**

[Current aspects and physiological basis of the surgical management of peptic ulcer] Ihász M. **Orv Hetil** 1982 Mar 28;123(13):767–76 **(Hun)**

[Total gastrectomy with indirect esophagoduodenostomy with interposed jejunal loop: (Longmire-Mouchet method) (clinical case)] Guzzetti A, et al. **Chir Ital** 1982 Apr; 34(2):233–42 **(Ita)**

[Surgical treatment of non-complicated gastric and duodenal ulcers] Alagni G, et al. **Minerva Chir** 1981 Dec 15–31; 36(23–24):1703–6 **(Ita)**

[Gastric and duodenal ulcer (chronic, bleeding, perforating). Criteria for the choice of treatment] Navarra S. **Minerva Chir** 1981 Dec 15–31;36(23–24):1695–9 **(Ita)**

[Proximal gastric vagotomy in the treatment of gastric ulcer. Results] Gamma-Rodrigues JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Jun;36(3):102–8 (Eng. Abstr.) **(Por)**

[Vagotomy in the surgical treatment of stomach ulcer] Kuzin NM, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):33–7 (Eng. Abstr.) **(Rus)**

[Vagotomy in surgical treatment of stomach and duodenal ulcer] Vinnichenko AG, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):30–2 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the results of vagotomy and gastrectomy in pyloroduodenal ulcers] Mansur AKh. **Klin Khir** 1981 Aug;(8):39–41 (Eng. Abstr.) **(Rus)**

[Clinical evaluation of vagotomy in peptic ulcer] Astrozhnikov IuV, et al. **Vestn Khir** 1982 Apr;128(4):23–7 (26 ref.) **(Rus)**

[Late results of the surgical treatment of gastroduodenal ulcers] Avakimian VA. **Vestn Khir** 1982 Apr;128(4):33–7 **(Rus)**

[Surgical treatment in complicated stomach and duodenal ulcers] Grinevich VA, et al. **Vestn Khir** 1981 Nov; 127(11):31–3 **(Rus)**

[Kallikrein-kinin system of the blood and microcirculation following surgical treatment of gastric and duodenal ulcer] Kerimov GM, et al. **Vestn Khir** 1982 Apr;128(4):27–33 **(Rus)**

[Vagotomy in the treatment of stomach ulcer (a review of the foreign literature)] Nechai AI, et al. **Vestn Khir** 1981 Jul;127(7):125–9 (60 ref.) **(Rus)**

[Autohemotransfusion in the surgical treatment of stomach and duodenal ulcers] Piksin IN, et al. **Vestn Khir** 1981 Aug; 127(8):89–93 **(Rus)**

[Late results of vagotomy and gastric resection for pyloroduodenal ulcers] Sibul' UF, et al. **Vestn Khir** 1982 Apr;128(4):19–22 **(Rus)**

[Sideropenic anemia after stomach resection] Kovačević N, et al. **Srp Arh Celok Lek** 1981 Jul;109(7):843–51 (Eng. Abstr.) **(Scc)**

[Evaluation of the Billroth I method for the treatment of ulcer disease--experience gained by the operation of 2,344 patients (author's transl)] Kučišec A, et al. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):427–31 (Eng. Abstr.) **(Scr)**

[Distal antrectomy for gastric ulcer: long-term results] de Miguel J. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):341–6 (Eng. Abstr.) **(Spa)**

[Gastric resection with or without vagotomy for gastric or duodenal ulcer. Late follow-up (author's transl)] Csendes A, et al. **Rev Med Chil** 1981 Aug;109(8):720–7 (Eng. Abstr.) **(Spa)**

[The value of radiographic examinations of resected ventricles] Hedlund B, et al. **Lakartidningen** 1981 Sep 23; 78(39):3395–6 **(Swe)**

[Cancer in the ventricular remnant following resection for benign ulcer disease] Hellers G, et al. **Lakartidningen** 1981 Sep 23;78(39):3392–4 (Eng. Abstr.) **(Swe)**

THERAPY

Ice-saline lavage does not slow bleeding from experimental canine gastric ulcers. Gilbert DA, et al. **Dig Dis Sci** 1981 Dec;26(12):1065–8

Reassessment of the management of benign gastric ulcer with achlorhydria. Sogge MR, et al. **J Clin Gastroenterol** 1981 Mar;3(1):13–5

[The medical treatment of gastric ulcer and of duodenal ulcer in acute exacerbation (in the absence of complications) (author's transl)] Descos L. **Chirurgie** 1981 Jun;107(7):524–6 (Eng. Abstr.) **(Fre)**

[Treatment of gastro duodenal ulcer (author's transl)] Edelmann G, et al. **Chirurgie** 1981;107(6):402–6 (Eng. Abstr.) **(Fre)**

[Choice of therapy in uncomplicated gastric and duodenal ulcers, excluding the Zollinger-Ellison syndrome (author's transl)] Soulé JC. **Chirurgie** 1981 Jun;107(7):546–56 (Eng. Abstr.) **(Fre)**

[Therapy of acute hemorrhagic gastritis and stress ulcer] Navarra S, et al. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1859–60 **(Ita)**

[Fate of stomach ulcer patients treated conservatively] Kliminskii IV, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):18–22 (Eng. Abstr.) **(Rus)**

[Peptic ulcer associated with reflux esophagitis and its treatment] Grigor'ev PIa, et al. **Sov Med** 1981;(8):30–4 (Eng. Abstr.) **(Rus)**

[Various aspects of reflexotherapy in peptic ulcer] Durinian RA, et al. **Ter Arkh** 1982;54(2):41–6 **(Rus)**

[Effect of the internal use of Dzhermuk mineral water on the healing of a chronic stomach ulcer and the serotonin level in the body (an experimental study)] Mirzoian SA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct; (5):49–52 **(Rus)**

[Use of aminokrovin in the complex treatment of peptic ulcer] Splavskiĭ OI, et al. **Vopr Pitan** 1982 May-Jun;(3):13–5 **(Rus)**

VETERINARY

Serial endoscopic observation of swine gastroesophageal ulceration induced by injection of a histamine-oil-beeswax mixture. Kokue E, et al. **Am J Vet Res** 1981 Oct; 42(10):1807–10

Prevention of gastric ulcers in swine by feeding of sodium polyacrylate. Yamaguchi M, et al. **Am J Vet Res** 1981 Jun; 42(6):960–2

Gastric ulcers in foals. Rebhun WC, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):404–7

Gastric ulceration in the rabbit. Hinton M. **J Comp Pathol** 1980 Jul;90(3):475–81

Gastric ulceration associated with larval nematodes (Anisakis sp. type I) in pen reared green turtles (Chelonia mydas) from Torres Strait. Burke JB, et al. **J Wildl Dis** 1982 Jan; 18(1):41–6

Cimetidine prophylaxis for gastric ulcers in laboratory swine. Anderson LC, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):498–501

STOMACH VOLVULUS

[Gastric volvulus. Considerations on 22 cases] Lopasso FP, et al. **AMB** 1981 Apr;27(4):121–6 (Eng. Abstr.) **(Por)**

ETIOLOGY

Chronic organo-axial twisting of the stomach in infants born prematurely and affected by chronic respiratory disease. Eggermont E, et al. **Acta Paediatr Belg** 1980 Oct–Dec; 33(4):233–42

Acute gastric volvulus following Harrington rod instrumentation in a patient with Werdnig-Hoffman disease. Linson M, et al. **Spine** 1981 Sep-Oct;6(5):522–3

[Volvulus of the stomach caused by a para-esophageal diaphragmatic hernia] van Vugt AB, et al. **Ned Tijdschr Geneeskd** 1981 Sep 12;125(37):1484–8 (Eng. Abstr.) **(Dut)**

RADIOGRAPHY

[Acute intra-thoracic gastric volvulus] Pujade-Lauraine B, et al. **Med Chir Dig** 1982;11(4):281–2 **(Fre)**

[Chronic idiopathic gastric volvulus. Clinical, radiological, therapeutic aspects. Apropos of 3 cases] Nanni G, et al. **Chir Patol Sper** 1980 Oct;28(5):318–32 (Eng. Abstr.) **(Ita)**

SURGERY

Chronic gastric volvulus--aetiology and treatment. Thorpe JA. **Br J Clin Pract** 1981 Apr;35(4):161–2

Idiopathic gastric volvulus in infancy and childhood. Sawaguchi S, et al. **Z Kinderchir** 1981 Mar;32(3):218–23

THERAPY

'Gastric volvulus--a report on four cases'. Stephens MM. **Ir J Med Sci** 1982 Jun;151(6):192–3

VETERINARY

Volvulus of the bovine abomasum and omasum. Habel RE, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):447–55

Acid-base and electrolyte disturbances in dogs with gastric dilatation-volvulus. Muir WW. **J Am Vet Med Assoc** 1932 Aug 1;181(3):229–31

Gastric dilatation-volvulus in the dog, with emphasis on cardiac arrhythmias. Muir WW. **J Am Vet Med Assoc** 1982 Apr 1;180(7):739–42

Abomasal volvulus in a young white-tailed deer. Sundberg JP. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1254–5

Acid-base and electrolyte values in dogs with acute gastric dilatation-volvulus. Wingfield WE, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1070–2

Safe management and prevention of gastric distention volvulus in dogs. Lanier MW. **VM SAC** 1981 May; 76(5):683–6

STOMATITIS

CHEMICALLY INDUCED

Allergy to palladium in dental alloys. van Ketel WG, et al. **Contact Dermatitis** 1981 Nov;7(6):331

Acute stomatitis associated with doxepin therapy. Salem RB, et al. **Drug Intell Clin Pharm** 1981 Dec;15(12):992–3

Intraoral fixed drug eruption following tetracycline administration. Murray VK, et al. **J Periodontol** 1982 Apr; 53(4):267–8

Stomatitis associated with zomepirac [letter] Bates LH, et al. **JAMA** 1982 Jan 22–29;247(4):461–2

COMPLICATIONS

[Stomatitis granulomatosa as an unusual manifestation of Crohn disease] Scharf RE, et al. **Med Welt** 1982 Jun 25; 33(25):921–3 **(Ger)**

DIAGNOSIS

Whole saliva albumin as an indicator of stomatitis in cancer therapy patients. Izutsu KT, et al. **Cancer** 1981 Sep 15; 48(6):1450–4

Histoplasmosis–a case report. Govil DC, et al. **J Assoc Physicians India** 1981 Jun;29(6):495–7

DRUG THERAPY

The treatment of denture–induced stomatitis. Evaluation of two agents. Walker DM, et al. **Br Dent J** 1981 Dec 15; 151(12):416–9

The efficacy of topical miconazole in the treatment of denture stomatitis. Watson CJ, et al. **Br Dent J** 1982 Jun 15; 152(12):403–6

[Experimental and clinical studies of cefatrizine in oral infections (author's transl)] Ueda K, et al. **Jpn J Antibiot** 1981 Jul;34(7):1092–7 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Mucosal contact dermatitis due to instant coffee. Sonnex TS, et al. **Contact Dermatitis** 1981 Nov;7(6):298–300

Escharotic stomatitis caused by the 'stinging seaweed' Microcoleus lyngbyaceus (formerly Lyngbya majuscula). Case report and literature review. Sims JK, et al. **Hawaii Med J** 1981 Sep;40(9):243–8 (25 ref.)

Contact stomatitis to rubber products. Cohen DM, et al. **Oral Surg** 1981 Nov;52(5):491–4

Location of the allergenic monomer in warm–polymerized acrylic dentures. Part III: Testing of the theory of an 'allergenic film' in the vestibular surface before polishing. Fernström AI, et al. **Swed Dent J** 1982;6(2):87–91

IMMUNOLOGY

The involvement of Lyt–2 antigens in the lysis of virus–infected target cells by antigen specific anti–vesicular stomatitis virus cytotoxic T–lymphocytes. Hale AH. **Immunol Lett** 1981 Aug;3(3):179–81

Involvement of cells of hematopoietic origin in genetically determined resistance of Syrian hamsters to vesicular stomatitis virus. Fultz PN, et al. **Infect Immun** 1981 Nov; 34(2):540–9

Augmentation of delayed–type hypersensitivity to serum proteins by vesicular stomatitis virus infection in mice: virus–suppressor cell interactions. Katsura Y, et al. **J Immunol** 1982 Jul;129(1):362–5

[Possibility of diagnosing latent forms of diseases of the mouth, nasal and pharyngeal mucosa] Isaev VN, et al. **Lab Delo** 1981;(12):742–3 (Eng. Abstr.) **(Rus)**

METABOLISM

[Lipid content in the oral mucosal tissues of dogs with experimental stomatitis] Skliar VE, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):51–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Frequency of Candida albicans serotypes in patients with denture–induced stomatitis and in normal denture wearers. Martin MV, et al. **J Clin Pathol** 1982 Aug;35(8):888–91

OCCURRENCE

Prevalence of glossitis and angular stomatitis in urban women from low income group. Prema K, et al. **Indian J Med Res** 1981 Jul;74:42–9

PATHOLOGY

Oral gonococcal infections. Report of two cases. Jamsky RJ, et al. **Oral Surg** 1982 Apr;53(4):358–62

Acute streptococcal gingivostomatitis. Report of five cases and review of the literature. Littner MM, et al. **Oral Surg** 1982 Feb;53(2):144–7

PREVENTION & CONTROL

Effect of intravenous hyperalimentation and oral care on the development of oral stomatitis during cancer chemotherapy. Hickey AJ, et al. **J Prosthet Dent** 1982 Feb; 47(2):188–93

Use of a medical–grade silicone adhesive as a denture liner in the treatment of idiopathic oral mucosal irritation. Segall BW, et al. **J Prosthet Dent** 1982 Jan;47(1):85–7

[Construction of partial removable dentures for patients with acrylate allergy and fungus diseases] Komári J, et al. **Fogorv Sz** 1981;74(5):137–40 (Eng. Abstr.) **(Hun)**

VETERINARY

Increased incidence of bovine papular stomatitis in neonatal calves. Snider TG 3d, et al. **Arch Virol** 1982;71(3):251–8

Vesicular diseases: recent advances and concepts of control. Watson WA. **Can Vet J** 1981 Oct;22(10):311–20 (39 ref.)

Pappus bristles: the cause of burdock stomatitis in dogs. Georgi ME, et al. **Cornell Vet** 1982 Jan;72(1):43–8

Patterns of oral bacterial infection in captive snakes. Draper CS, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1223–6

Cutaneous form of bovine papular stomatitis in man. Bowman KF, et al. **JAMA** 1981 Dec 18;246(24):2813–8

A suspected case of phlegmonous stomatitis caused by Staphylococcus spp in a Hereford bull. Nyack B, et al. **VM SAC** 1981 Oct;76(10):1467–70

STOMATITIS, APHTHOUS

CHEMICALLY INDUCED

[Ulcerative stomatitis in gold allergy] Graudenz W. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):206 **(Ger)**

CLASSIFICATION

[Aphthae and aphthosis] Samson J, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):5–19 (75 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Aphthous stomatitis: correlation with intestinal parasitosis. Khadim MI. **JPMA** 1981 Sep;31(9):214–6

DIAGNOSIS

Observations on the diagnosis of recurrent aphthous stomatitis. Bell GF, et al. **Mayo Clin Proc** 1982 May; 57(5):297–302

DRUG THERAPY

A double–blind trial of systemic zinc sulfate in recurrent aphthous stomatitis. Wray D. **Oral Surg** 1982 May; 53(5):469–72

[Clinic, laboratory and treatment of recurrent aphthae (author's transl)] Zheng JL. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):88–9 **(Chi)**

[Results of using isoprinosine in aphthous stomatitis] Beltrame M. **Minerva Stomatol** 1982 Mar–Apr;31(2):271–6 **(Ita)**

ETIOLOGY

Role of mucosal injury in initiating recurrent aphthous stomatitis. Wray D, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1569–70

From the NIH: Aphthous stomatitis is linked to mechanical injuries, iron and vitamin deficiencies, and certain HLA types. **JAMA** 1982 Feb 12;247(6):774–5

IMMUNOLOGY

Immunofluorescence microscopic studies of recurrent aphthous stomatitis. VanHale HM, et al. **Arch Dermatol** 1981 Dec;117(12):779–81

Serum beta 2 microglobulin in recurrent aphthous stomatitis and Behçet's syndrome. Scully C. **Clin Exp Dermatol** 1982 Jan;7(1):61–4

Antibody–dependent cellular cytotoxicity in recurrent aphthous ulceration. Greenspan JS, et al. **Clin Exp Immunol** 1981 Jun;44(3):603–10

Failure of autologous oral epithelia to activate RAS lymphocytes. Peavy DL, et al. **Clin Immunol Immunopathol** 1982 Feb;22(2):291–5

Salivary immunoglobulin A levels in normal subjects, tobacco smokers, and patients with minor aphthous ulceration. Bennet KR, et al. **Oral Surg** 1982 May; 53(5):461–5

[Modern concepts of etiopathogenesis of recurrent oral ulcers] Seizova K, et al. **Srp Arh Celok Lek** 1981 Mar; 109(3):351–61 (Eng. Abstr.) **(Scc)**

METABOLISM

Relation of monocyte and neutrophil oxidative metabolism to skin and oral lesions in carriers of chronic granulomatous disease. Kragballe K, et al. **Clin Exp Immunol** 1981 Feb; 43(2):390–8

PATHOLOGY

Recurring, painful oral ulcers. Correll RW, et al. **J Am Dent Assoc** 1981 Sep;103(3):497–8

PHYSIOPATHOLOGY

[Protein content and pH of human saliva normally and in stomatological diseases] Peshkova LV, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):12–4 (Eng. Abstr.) **(Rus)**

THERAPY

[Ulcerative and necrotic lesion of the oral cavity in chronic cardiovascular insufficiency] Iamashev IG, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):83 **(Rus)**

STOMATITIS, DENTURE see under **STOMATITIS**

STOMATITIS, GANGRENOUS see **NOMA**

STOMATITIS, HERPETIC

CHEMICALLY INDUCED

Cancer chemotherapy associated symptomatic stomatitis: role of Herpes simplex virus (HSV). Rand KH, et al. **Cancer** 1982 Oct 1;50(7):1262–5

DIAGNOSIS

[Cytological examination of herpetic stomatitis in children] Milačić N. **Srp Arh Celok Lek** 1980 Nov;108(11):1119–29 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Multicenter collaborative trial of intravenous acyclovir for treatment of mucocutaneous herpes simplex virus infection in the immunocompromised host. Meyers JD, et al. **Am J Med** 1982 Jul 20;73(1A):229–35

Transfer factor in the treatment of herpes simplex types 1 and 2. Khan A, et al. **Dermatologica** 1981;163(2):177–85

Development of oral HSV–1 infection model in mice. Evaluation of efficacy of 5'–amino–5–iodo–2',5'–dideoxyuridine. Park NH, et al. **Oral Surg** 1982 Mar;53(3):256–62

IMMUNOLOGY

Human immune response to herpes simplex virus. Kohl S. **J Infect Dis** 1982 Aug;146(2):292

Antibody response to herpes simplex virus type 1 polypeptides and glycoproteins in primary and recurrent infection. Mann DR, et al. **Pediatr Res** 1982 Mar; 16(3):176–80

[Immunity indices in children in herpetic stomatitis foci] Antonova NI. **Stomatologiia (Mosk)** 1981;60(4):56–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Transient alteration of theophylline half–life: possible association with Herpes simplex infection. Anolik R, et al. **Ann Allergy** 1982 Aug;49(2):109–11

MICROBIOLOGY

Herpes simplex virus in patients with aphthous ulcers in Bangkok. Tantivanich S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):533–5

OCCURRENCE

[Clinicoepidemiological characteristics of recurrent herpetic stomatitis in children] Mel'nichenko EM. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):10–1 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Combined herpetic lesions of the oral mucosa and skin in children] Mikhailovskaia VP, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):11–3 (Eng. Abstr.) **(Rus)**

SURGERY

[Use of a helium–neon laser in the combined treatment of oral mucosal diseases in children] Lutsyk LA, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):15–6 (Eng. Abstr.) **(Rus)**

STOMATITIS, ULCERATIVE see **GINGIVITIS, NECROTIZING ULCERATIVE**

STOREROOMS see **MATERIALS MANAGEMENT, HOSPITAL**

STRABISMUS

see related ORTHOPTICS

[Recommended literature in strabismology] Haase W, et al. **Klin Monatsbl Augenheilkd** 1981 Nov;179(5):309–14 (117 ref.) **(Ger)**

CLASSIFICATION

[Strabismus, analysis of 1,263 cases (author's transl)] Yang SM. **Chung Hua Yen Ko Tsa Chih** 1981 Mar;17(2):91–4 **(Chi)**

COMPLICATIONS

Extended wear soft contact lenses in the treatment of strabismic amblyopia. Elmer J, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):546–51

Correction of presbyopia accompanied by alternating exotropia [letter] To'mey KF, et al. **Am J Ophthalmol** 1982 Jul;94(1):125

Case report: strabismic and anisometropic amblyopia. Dalziel CC, et al. **Am J Optom Physiol Opt** 1981 Jul;58(7):603–5

Results of intensive CAM grating treatment in a strabismic amblyope. Nathanson DR, et al. **Am J Optom Physiol Opt** 1982 Jun;59(6):511–4

Strabismus and amblyopia associated with regressed retinopathy of prematurity. Kushner BJ. **Arch Ophthalmol** 1982 Feb;100(2):256–61

Dissociated vertical deviation: associated findings and results of surgical treatment. Noel LP, et al. **Can J Ophthalmol** 1982 Feb;17(1):10–2

Binocular versus monocular acuity in a patient with latent nystagmus. Dorman K. **J Am Optom Assoc** 1982 Jun; 53(6):485–6

Cyclic esotropia with minimal brain dysfunction. Gadoth N, et al. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec; 18(6):14–7

Ocular findings in arthrogryposis multiplex congenita. Paez JH, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr; 19(2):75–9

Observations in sensory heterotropia. Sidikaro Y, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):12–9

Congenital nystagmus: clinical types and their surgical treatment. Spielmann A. **Ophthalmologica** 1981; 182(2):65–72

Cycloplegic refraction in esotropic children. Cyclopentolate versus atropine. Rosenbaum AL, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1031–4

Ocular motility problems after orbital decompression for dysthyroid ophthalmopathy. Shorr N, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):323–8

Natural history and associations of dissociated vertical divergence. Harcourt B, et al. **Trans Ophthalmol Soc UK** 1980;100(4):495–7

Amblyopia treatment in children ages six through eight. Werner DB. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring;35(1):31–5

[Treatment of strabismic amblyopia] Deller M. **Annee Ther Clin Ophtalmol** 1980;31:29–42 (Eng. Abstr.) **(Fre)**

[Diplopia with strabismus] Godde-Jolly D. **Annee Ther Clin Ophtalmol** 1980;31:239–52 (Eng. Abstr.) **(Fre)**

[The CAM vision stimulator versus pleoptics] Cast: nera De Molina A, et al. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):211–3 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Muscular abnormalities in congenital strabismus their diagnosis and clinical significance] Seniakina AS. **Oftalmol Zh** 1981;36(4):220–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Simultaneous two flash static photoskiascopy. A simple method for screening of children with strabismus or high refractive errors by simultaneous static photographic skiascopy of the horizontal and vertical meridian of both eyes and the documentation of the corneal and fundus reflexes in one photograph. Kaakinen K. **Acta Ophthalmol (Copenh)** 1981 Jun;59(3):378–86

Excyclotropia of the nonparetic eye in unilateral superior oblique muscle paralysis. Olivier P, et al. **Am J Ophthalmol** 1982 Jan;93(1):30–3

Phoria measurements using chromatic targets. Strong G, et al. **Am J Optom Physiol Opt** 1982 Jun;59(6):532–4

The diagnosis and management of isolated cyclo vertical muscle palsy. Hilton AF. **Aust J Ophthalmol** 1982 Feb; 10(1):31–40

Screening for strabismus and amblyopia. Sagaties MJ. **Nurse Pract** 1982 Apr;7(4):19, 22–3

Jump-convergence test in strabismus. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1981;1(2):123–4

The muscle elongation test in functional esotropias. Statistical survey of 211 cases. Quéré MA, et al. **Ophthalmologica** 1981;182(2):90–5

The muscle elongation test in functional squints. History – basis and clinical features. Quéré MA, et al. **Ophthalmologica** 1981;182(2):81–9

Apparent foveal displacement in normal subjects and in cyclotropia. Bixenman WW, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):58–62

Diagnostic injection of Xylocaine into extraocular muscles. Magoon E, et al. **Ophthalmology (Rochester)** 1982 May; 89(5):489–91

Traumatic superior oblique palsies. Sydnor CF, et al. **Ophthalmology (Rochester)** 1982 Feb;89(2):134–8

Brückner test. Tongue AC, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1041–4

The squinting eye. Ingram RM. **Practitioner** 1982 May; 226(1367):833–5

[Why test for retinal correspondence?] Roth A, et al. **Annee Ther Clin Ophtalmol** 1980;31:63–79 (Eng. Abstr.) **(Fre)**

[Non-accomodative variable strabismus] Spielmann A. **Annee Ther Clin Ophtalmol** 1980;31:207–37 **(Fre)**

[Mathematical model of dyssynergia] Pastor-Jimeno JC, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):231–4 **(Fre)**

[Early diagnosis of infantile strabismus] Rüssmann W. **Dtsch Med Wochenschr** 1981 Dec 11;106(50):1710–1 **(Ger)**

[Retinal correspondence observed by infrared television haploscope. Third report (author's transl)] Ohmi E. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):959–64 (Eng. Abstr.) **(Jpn)**

[Practical procedures for the ophthalmologist in concomitant strabismus in children] Bănacu I, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):141–4 (Eng. Abstr.) **(Rum)**

[New method and device for studying and restoring bifixation in treating concomitant strabismus] Rozenberg VA. **Oftalmol Zh** 1981;36(3):158–62 (Eng. Abstr.) **(Rus)**

[Results of determining dynamic acid and static visual acuity in congenital nonaccommodative concomitant strabismus] Seniakina AS, et al. **Oftalmol Zh** 1981;36(7):405–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Botulinum toxin injection of eye muscles to correct strabismus. Scott AB. **Trans Am Ophthalmol Soc** 1981; 79:734–70 (49 ref.)

[The influence of phospholine iodide on the squinting angle (author's transl)] Aichmair H. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):283–4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Strabismus as a possible sign of subclinical muscular dystrophy predisposing to rhabdomyolysis and myoglobinuria: a study of an affected family. Lewandowski KB. **Can Anaesth Soc J** 1982 Jul;29(4):372–6

Skew deviation as presenting ocular sign of a third ventricle colloid cyst. Kömpf D, et al. **Eur Neurol** 1981;20(4):326–9

Amniotic band syndrome and strabismus. BenEzra D, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):33–6

Sensorimotor disturbances in craniostenosis. Nelson LB, et al. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct; 18(5):32–41

Congenital absence of the superior oblique tendon. Helveston EM, et al. **Trans Am Ophthalmol Soc** 1981;79:123–35

[Unusual oculomotor imbalance] Manent PJ, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):859–63 **(Fre)**

[Neurophysiologic bases of paralytic strabismus] Kommerell G. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980; 78:759–65 (Eng. Abstr.) **(Ger)**

[Introduction to paralytic strabismus] Piper HF. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980;78:753–7 (21 ref.) (Eng. Abstr.) **(Ger)**

[Eye changes in West syndrome (eclampsia mutans)] Krzywicki S. **Pol Tyg Lek** 1981 Jul 27;36(30):1143–4 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Ophthalmoplegia–plus. Godel V, et al. **Doc Ophthalmol** 1981 Nov;51(4):373–82

HISTORY

Brock's research in stereopsis. Wittenberg S. **Am J Optom Physiol Opt** 1981 Aug;58(8):663–6

OCCURRENCE

Screening results on the ocular status of 651 prekindergarteners. Cohen J. **Am J Optom Physiol Opt** 1981 Aug;58(8):648–62

PHYSIOPATHOLOGY

Abnormalities of the vestibulo–ocular response in congenital esotropia. Hoyt CS. **Am J Ophthalmol** 1982 Jun;93(6):704–8

Binocular facilitation in the visual–evoked potential of strabismic amblyopes. Apkarian P, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):820–30

Interocular transfer of a visual aftereffect in different kinds of strabismus. Buzzelli AR. **Am J Optom Physiol Opt** 1981 Dec;58(12):1199–206

Covariation in anomalous correspondence with accommodative vergence. Daum KM. **Am J Optom Physiol Opt** 1982 Feb;59(2):146–51

Prentice–Memorial Lecture: Is the animal model for stimulus deprivation amblyopia in children valid or useful? Marg E. **Am J Optom Physiol Opt** 1982 Jun;59(6):451–64 (107 ref.)

Stimulus and response AC/A ratios in intermittent exotropia of the divergence–excess type. Cooper J, et al. **Br J Ophthalmol** 1982 Jun;66(6):398–404

Proprioception and exodeviations. Mitsui Y, et al. **Br J Ophthalmol** 1981 Aug;65(8):578–84

Ocular motility in alternating squints: an electro–oculographic study. Prakash P, et al. **Br J Ophthalmol** 1982 Apr;66(4):258–63

The critical period for alteration in cortical binocularity resulting from divergent and convergent strabismus. Berman N, et al. **Brain Res** 1981 Sep;254(2):181–202

Divergent strabismus following neonatal callosal section is due to a failure of convergence. Elberger AJ, et al. **Brain Res** 1982 May 6;239(1):275–8

Cortical binocularity is disrupted by strabismus more slowly than by monocular deprivation. Freeman RD, et al. **Brain Res** 1982 Feb;255(2):311–6

The sensitive period for strabismus in the kitten. Levitt FB, et al. **Brain Res** 1982 Feb;255(2):323–7

Effects of strabismus on development of cortico–geniculate projections in the kitten. Tsumoto T, et al. **Exp Brain Res** 1981;44(3):337–9

Proximal and accommodative convergence and age. Nuzzi G, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(2):110–2

Amblyopic eyes have longer reaction times. Hamasaki DI, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):846–53

Oculomotor adaptation to induced heterophoria and anisometropia. Henson DB, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):234–40

Differences in vernier discrimination for grating between strabismic and anisometropic amblyopes. Levi DM, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):398–407

The blind spot syndrome: does it exist? Olivier P, et al. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct;18(5):20–2

A suggestion for the origin of eccentric fixation. Pickwell LD. **Ophthalmic Physiol Opt** 1981;1(1):55–7

Anomalous and normal motor fusion in esophoria and microesotropia. Crone RA. **Trans Ophthalmol Soc UK** 1980; 100(4):464–6

Interocular transfer of the motion aftereffect in strabismus. Keck MJ, et al. **Vision Res** 1982;22(1):55–60

[Hypermetropia and esotropia] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):113–7 (Eng. Abstr.) **(Fre)**

[Recession of the rectus medialis (practical results of biometric data)] Pechereau A, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):725–7 (Eng. Abstr.) **(Fre)**

[Squint] **Buch Augenarzt** 1981;(86):135–98 **(Ger)**

[Microstrabismus. Significance of microtropia for amblyopia, the pathogenesis of severe squint and the heredity of strabismus] Lang J. **Buch Augenarzt** 1982;62:1–150 **(Ger)**

[Effect of anti–suppression in exotropia by an on–and–off stimulation with the checkerboard pattern stimulator (author's transl)] Awaya S, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(3):264–8 (Eng. Abstr.) **(Jpn)**

[Frequency response characteristics of ocular movement. A preliminary note (author's transl)] Mitsui Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):977–8 (Eng. Abstr.) **(Jpn)**

[A neurophysiological study of experimental esotropia in cats. 1. Pattern reversal and luminance VECP (author's transl)] Yokoyama T, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1574–80 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Esotropia, exotropia and cognitive/perceptual style. Birnbaum MH. **J Am Optom Assoc** 1981 Aug;52(8):635–9

SURGERY

Endophthalmitis after strabismus surgery. Salamon SM, et al. **Am J Ophthalmol** 1982 Jan;93(1):39–41

Anterior segment ischemia syndrome following rectus muscle transposition. Saunders RA, et al. **Am J Ophthalmol** 1982 Jan;93(1):34–8

Effect of needle characteristics in strabismus surgery. Goldstein JH, et al. **Arch Ophthalmol** 1982 Apr; 100(4):617–8

Cul–de–sac approach to adjustable strabismus surgery. Nelson LB, et al. **Arch Ophthalmol** 1982 Aug;100(8):1305–7

Results of superior oblique tenectomy in inferior oblique paresis. Olivier P, et al. **Arch Ophthalmol** 1982 Apr; 100(4):581–4

The postoperative results and stability of exodeviations. Scott WE, et al. **Arch Ophthalmol** 1981 Oct;99(10):1814–8

A study of glycopyrrolate and atropine in the suppression of the oculocardiac reflex during strabismus surgery in children. Hunsley JE, et al. **Br J Anaesth** 1982 Apr; 54(4):459–64

Medial rectus insertion site in congenital esotropia. Barsoum–Homsy M. **Can J Ophthalmol** 1981 Oct; 16(4):181–6

Surgical results in intermittent exotropia. Clarke WN, et al. **Can J Ophthalmol** 1981 Apr;16(2):66–9

Dissociated vertical deviation: associated findings and results of surgical treatment. Noel LP, et al. **Can J Ophthalmol** 1982 Feb;17(1):10–2

Limbal insertion distance and width of the horizontal recti tendon in cases of concomitant squint. Rohatgi JN, et al. **Indian J Ophthalmol** 1981 Dec;29(4):381–3

Mortality rate in strabismus surgery. Cooper J, et al. **J Am Optom Assoc** 1982 May;53(5):391–5

Dexamethasone sodium phosphate (Decadron) versus saline placebo injections in strabismus surgery. Choy AE, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun; 19(3):140–3

Dissociated vertical deviation: an asymmetric condition treated with large bilateral superior rectus recession. Magoon E, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun;19(3):152–6

Myo–scleral union in retroequitorial myopexy. Maher SC, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug; 19(4):12–5

Rectus muscle transposition surgery. Metz HS. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec;18(6):51–4

Quantitative analysis of spring forces in esotropia and exotropia during surgery. Rosenbaum AL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):7–11

An anatomical reevaluation of rectus muscle insertions. Apt L, et al. **Ophthalmic Surg** 1982 Feb;13(2):108–12

Lock suture for strabismus surgery. Shen IL. **Ophthalmic Surg** 1982 Feb;13(2):117–8

Muscle surgery without scleral sutures. von Noorden GK. **Ophthalmic Surg** 1982 Feb;13(2):113–4

Postoperative residual small angle exodeviations. Weinstein GS, et al. **Ophthalmic Surg** 1982 Jun;13(6):478–82

Surgical results in functional squints. Analysis and pathogenetic meaning. Quéré MA, et al. **Ophthalmologica** 1981;182(2):104–12

Clinical and computer–assisted analyses of preoperative and postoperative accommodative convergence and accommodation relationships. Bateman JB, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1024–30

Exaggerated traction test for the oblique muscles. Guyton DL. **Ophthalmology (Rochester)** 1981 Oct;88(10):1035–40

Strabismus surgery and its effect upon infant development in congenital esotropia. Rogers GL, et al. **Ophthalmology (Rochester)** 1982 May;89(5):479–83

Superior oblique transposition for third nerve palsy. Saunders RA, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):310–6

Superior rectus recessions for dissociated vertical deviation. Scott WE, et al. **Ophthalmology (Rochester)** 1982 Apr; 89(4):317–22

Early surgical alignment for congenital esotropia. Ing MR. **Trans Am Ophthalmol Soc** 1981;79:625–63 (65 ref.)

Superior rectus revisited. Jampolsky A. **Trans Am Ophthalmol Soc** 1981;79:243–56

Anterior segment ischaemia. Lens changes after strabismus surgery. Fells P. **Trans Ophthalmol Soc UK** 1980 Sep; 100(3):398–9

Surgical management of strabismus in hydrocephalus. Wybar K, et al. **Trans Ophthalmol Soc UK** 1980;100(4):475–8

[Surgical treatment of divergent strabismus] Berard PV, et al. **Annee Ther Clin Ophtalmol** 1980;31:127–38 (Eng. Abstr.) **(Fre)**

[The alphabetic syndromes. Their influence on the operative correction of esotropia] Hugonnier R. **Annee Ther Clin Ophtalmol** 1980;31:183–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of convergent strabismus] Woillez M. **Annee Ther Clin Ophtalmol** 1980;31:163–82 **(Fre)**

[The anesthesia sign and the muscular elongation test in primary exotropias] Quéré MA, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:219–23 **(Fre)**

[Approach to differentiated surgery of primary divergent strabismus] Roth A, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:224–9 **(Fre)**

[Significance of weakening the two inferior oblique muscles in the child in cases of unilateral and bilateral asymmetrical hyperaction] Spiritus M, et al. **Bull Soc Belge Ophtalmol** 1981;192:125–41 (Eng. Abstr.) **(Fre)**

[Indications and surgical technics in the Stilling–Duane syndrome] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):157–9 (Eng. Abstr.) **(Fre)**

[Surgical technics in esotropia with the A and V syndrome] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1982 Jan; 82(1):119–21 (Eng. Abstr.) **(Fre)**

[The place of surgery of the vertical component in the treatment of esotropia] Bérard PV, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):621–3 (Eng. Abstr.) **(Fre)**

[Placing Gobin–Weiss loops in the absence of any special instrumentation] Coddé–Jolly D. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):913–5 **(Fre)**

[The test of muscular elongation without desinsertion in surgery of strabismus] Roth A, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):707–9 (Eng. Abstr.) **(Fre)**

[Current surgical technics in functional esotropia. Mechanism of action and indications] Spielmann A. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):865–71 (Eng. Abstr.) **(Fre)**

[Surgical proprioceptor shock in strabismic amblyopia] Verin P, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):67–9 **(Fre)**

[New viewpoints on the pathogenesis and the treatment of strabismus. 3rd part: management of strabismus (author's transl)] Gobin MH. **J Fr Ophtalmol** 1981;4(4):297–305 (Eng. Abstr.) **(Fre)**

[Superficial and deep myogalvanocauterization: a selective complementary surgical technique in esotropia due to the blocking syndrome (author's transl)] Vukov B. **J Fr Ophtalmol** 1981;4(4):293–6 (Eng. Abstr.) **(Fre)**

[Analysis and indications for surgery in cyclovertical motility problems] Rüssmann W. **Buch Augenarzt** 1982;(89):141–64 (Eng. Abstr.) **(Ger)**

[Results of Cüppers' Fadenoperation (author's transl)] Kaufmann H, et al. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):37–9 (Eng. Abstr.) **(Ger)**

[Surgical correction of esotropias with unstable angles (author's transl)] Moro F, et al. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):187–90 (Eng. Abstr.) **(Ger)**

[Diplopia after squint operations in adults (author's transl)] Todter F. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):496–500 (Eng. Abstr.) **(Ger)**

[Thread or contact arc surgery. Indications and practical uses] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec; 25(4):279–82 (Eng. Abstr.) **(Rum)**

[Surgical treatment experience with strabismus in children in a 1–day–stay hospital] Avetisov ES, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):31–3 (Eng. Abstr.) **(Rus)**

[Mechanism of restoring the position and mobility of the eye in paralytic strabismus by a new surgical method] Avetisov ES, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):42–5 (Eng. Abstr.) **(Rus)**

THERAPY

Strabismic amblyopia. Dalziel CC. **Am J Optom Physiol Opt** 1981 Sep;58(9):777–9

Oculomotor biofeedback therapy for exotropia. Goldrich SG. **Am J Optom Physiol Opt** 1982 Apr;59(4):306–17

Spectacles in childhood. Bixenman WW. **Ariz Med** 1982 Mar; 39(3):175–81

Cambridge stimulator treatment for amblyopia. An evaluation of 80 consecutive cases treated by this method. Terrell A. **Aust J Ophthalmol** 1981 May;9(2):121–7

The sensitive period: transfer of fixation after occlusion for strabismic amblyopia. Assaf AA. **Br J Ophthalmol** 1982 Jan;66(1):64–70

Management of nonrefractive accommodative esotropia. Bixenman WW. **Can J Ophthalmol** 1981 Jul;16(3):163–5

Penalisation therapy in a residual concomitant convergent squint—a case report. Singha JN. **Indian J Ophthalmol** 1981 Dec;29(4):425–6

The effectiveness of wide–angle fusional stimulation in the treatment of convergence insufficiency. Kertesz AE. **Invest Ophthalmol Vis Sci** 1982 May;22(5):690–3

Auditory biofeedback and intermittent exotropia. Afanador AJ. **J Am Optom Assoc** 1982 Jun;53(6):481–3

Biofeedback enhanced strabismus therapy. van Brocklin MD, et al. **J Am Optom Assoc** 1981 Sep;52(9):731–6

Strabismus and tumors of the uvea. **Ophthalmologica** 1981; 182(2):64–140

Arrest of migraine or headache with prisms. Kelly TS. **Practitioner** 1981 Oct;225(1360):1504–5

[Non–surgical treatment of convergent strabismus] Ardouin M, et al. **Annee Ther Clin Ophtalmol** 1980;31:139–62 (Eng. Abstr.) **(Fre)**

[Non–surgical treatment of divergent strabismus] Mawas LJ. **Annee Ther Clin Ophtalmol** 1980;31:101–25 (Eng. Abstr.) **(Fre)**

[Eyeglasses and anti–blocking sectors from the age of 2 months] Berrondo P. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):717–20 **(Fre)**

[Sector occlusion in 1979] Berrondo P. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):581–5 **(Fre)**

[Value of Tanderil in the surgical sequelae of strabismus and retinal detachment] Salmon D. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):suppl following 886 **(Fre)**

[Medical treatment of pseudoparalysis of the lateral rectus muscles] Sarniguet–Badoche JM. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):23–7 (Eng. Abstr.) **(Fre)**

[Physiological or sensorial approach to the early treatment of strabismus (author's transl)] Debeir OA. **J Fr Ophtalmol** 1982;5(5):339–45 (Eng. Abstr.) **(Fre)**

[Primary divergent strabismus: Reflections after thiry years experience of treatment (author's transl)] Hugonnier R, et al. **J Fr Ophtalmol** 1982;5(1):63–7 (Eng. Abstr.) **(Fre)**

[Persistence of suppression after treatment for strabismic amblyopia: some remarks on two particular cases (authors' transl)] Nardi M. **J Fr Ophtalmol** 1981;4(12):833–6 (Eng. Abstr.) **(Fre)**

[Bifocal glasses for non–presbyopic patients (author's transl)] Thaller–Antlanger H. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):490–1 (Eng. Abstr.) **(Ger)**

[Acupuncture in the treatment of innervation strabismus] Ercolani M, et al. **Minerva Med** 1982 Jul 31; 73(30–31):2039–42 **(Ita)**

STRAMONIUM

[A peculiar psychodysleptic: Datura] Olie JP, et al. **Ann Med Psychol (Paris)** 1981 Feb;139(2):215–9 **(Fre)**

STRATIGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY**

STREET DRUGS see under **DRUGS**

STREPTOBACILLUS

ISOLATION & PURIFICATION

Streptobacillus moniliformis septicaemia in spinifex hopping mice (Notomys alexis) [letter] Hopkinson WI, et al. **Aust Vet J** 1981 Nov;57(11):533–4

Streptobacillus actinoides (Bacillus actinoides): isolation from pneumonic lungs of calves and pathogenicity studies in gnotobiotic calves. Gourlay RN, et al. **Res Vet Sci** 1982 Jan;32(1):27–34

[Streptobacillus moniliformis septicemia (letter)] Renaut JJ, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1143–4 **(Fre)**

STREPTOCOCCACEAE

GROWTH & DEVELOPMENT

Mixed culture studies of Streptococcus mitis and oral enterococci. Vernazza TR, et al. **Microbios** 1981; 30(121–122):171–80

METABOLISM

Biosynthesis of peptidoglycan in Gaffkya homari: reactivation of membranes by freeze–thawing in the presence and absence of walls. Kalomiris E, et al. **J Bacteriol** 1982 May;150(2):535–44

STREPTOCOCCAL INFECTIONS

Septicaemia and endocarditis due to streptococci of Lancefield group B. Mascart G, et al. **Acta Clin Belg** 1981; 36(4):209–12

Endophthalmitis complicating neonatal group B streptococcal septicemia. Berger BB. **Am J Ophthalmol** 1981 Nov;92(5):681–4

Meningitis caused by Streptococcus bovis. Gavryck WA, et al. **Arch Neurol** 1982 May;39(5):307–8

Spontaneous bacterial peritonitis during pregnancy. Case report. Browne MK, et al. **Br J Obstet Gynaecol** 1981 Nov; 88(11):1158–60

Pneumoarthropathy in septic arthritis caused by Streptococcus milleri. Lever AM, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):24

Microbiology of pyogenic liver abscess [letter] Redding PJ, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1334

Experimental retrograde pyelonephritis and cystitis induced in rabbits by a group D Streptococcus sp.: serum antibody assay by a hemagglutination test. Desnottes JF, et al. **Infect Immun** 1981 Sep;33(3):647–50

Blistering distal dactylitis. McCray MK, et al. **J Am Acad Dermatol** 1981 Nov;5(5):592–4

Carriage of group B streptococci during pregnancy: a puzzler. Anthony BF. **J Infect Dis** 1982 Jun;145(6):789–93

Group C streptococcal glomerulonephritis. Sukonthaman A, et al. **J Med Assoc Thai** 1981 Jul;64(7):356–60

Septic arthritis due to group G streptococcus. Fujita NK, et al. **JAMA** 1982 Feb 12;247(6):812–3

Multiple–organism septicemia and carcinoma of the colon [letter] Garbitelli V. **JAMA** 1982 Apr 2;247(13):1812

Group G streptococcal pharyngitis. Analysis of an outbreak at a college. McCue JD. **JAMA** 1982 Sep 17;248(11):1333–6

Prosthetic valve endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Mar;57(3):155–61

Beta–hemolytic streptococcal bacteremia in adults: association with cold weather in Minnesota. Trence DL, et al. **Minn Med** 1981 Nov;64(11):675–9

Valve replacement for bacterial endocarditis. Mattila S, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):23–7

Severe group A beta–hemolytic streptococcal infection in children. Wang JW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun;80(6):611–7

[Post–streptococcal edematous scleroderma with myocardial involvement (author's transl)] Gire R, et al. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):441–2 (Eng. Abstr.) **(Fre)**

[Septicemia and multiple abscesses of the liver caused by Streptococcus anginosus (letter)] Chomarat M, et al. **Nouv Presse Med** 1982 Jun 12;11(28):2151 **(Fre)**

[Streptococcal gangrene. A report on 9 cases (author's transl)] Lortat–Jacob A, et al. **Rev Chir Orthop** 1981; 67(7):639–45 (Eng. Abstr.) **(Fre)**

[B–streptococcal septicemia in adults] Cammann U, et al. **MMW** 1982 Feb 12;124(6):113–6 (Eng. Abstr.) **(Ger)**

[Streptococcal infections in childhood] **An Esp Pediatr** 1981 Aug;15(2):111–248 **(Spa)**

[Introduction to the study of infant streptococcosis] Sánchez Villares E. **An Esp Pediatr** 1981 Aug;15(2):111–24 (36 ref.) (Eng. Abstr.) **(Spa)**

[Current aspects of sepsis of abdominal origin. II. Prevention and treatment] Boulahfa A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):581–8 (Eng. Abstr.) **(Spa)**

[Current aspects of sepsis of abdominal origin. I. Etiopathogenesis and diagnosis] Gómez Alonso A, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):569–80 (Eng. Abstr.) **(Spa)**

BLOOD

Role of granulocytes in experimental Streptococcus sanguis endocarditis. Meddens MJ, et al. **Infect Immun** 1982 Apr; 36(1):325–32

Blood and marrow neutrophils during experimental group B streptococcal infection: quantification of the stem cell, proliferative, storage and circulating pools. Christensen RD, et al. **Pediatr Res** 1982 Jul;16(7):549–53

[Dynamics of lysosomal cationic proteins in experimental streptococcal infection in monkeys] Voskanian NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):37–9 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Effects of prednisolone and anti–macrophage serum on the development of carditis and arthritis due to group A hemolytic streptococci in mice. Nishimura T. **Jpn Heart J** 1981 Sep;22(5):825–32

COMPLICATIONS

Septicemia and hernia [letter] Hall FK, et al. **Am J Dis Child** 1982 Jun;136(6):561–2

Rupture of spleen complicating infective endocarditis. Senecky JG, et al. **Am J Dis Child** 1981 Dec;135(12):1144–5

beta–hemolytic streptococcal infection appearing as persistent fetal circulation. Shankaran S, et al. **Am J Dis Child** 1982 Aug;136(8):725–7

The association of remote Streptococcus bovis bacteremia with colonic neoplasia. Friedrich IA, et al. **Am J Gastroenterol** 1982 Feb;77(2):82–4

Premature rupture of membranes, preterm delivery, and group B streptococcal colonization of mothers. Regan JA, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):184–6

Prognosis of post–streptococcal glomerulonephritis: Chandigarh study. Singhal PC, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):36–41

Group B streptococcal infection in the neonate. Manos JP. **Ann Clin Lab Sci** 1982 May–Jun;12(3):239–43

Streptococci and reactive arthritis [letter] Hubbard WN, et al. **Ann Rheum Dis** 1982 Aug;41(4):435

Gallbladder distension in septic neonates. Peevy KJ, et al. **Arch Dis Child** 1982 Jan;57(1):75–6

Streptococcal peritonitis associated with the cathartic colon. Khoury GA, et al. **Br J Surg** 1982 Jun;69(6):327

Subtypes of acute postinfectious glomerulonephritis. Synopsis of clinical and pathological features. Sorger K, et al.

Clin Nephrol 1982 Mar;17(3):114–28

Group B streptococcal infection in children with liver disease. Callanan DL, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):99–100

Causes and management of serous otitis media: current concepts. Broniatowski M, et al. **Ear Nose ?nroat J** 1981 Nov;60(11):511–8 (54 ref.)

Obstetrical care in future pregnancies after fetal loss in group B streptococcal septicemia. A prevention program based on bacteriological and immunological follow-up. Christensen KK, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):143–50

Experimental Candida albicans, Staphylococcus aureus, and Streptococcus faecalis pyelonephritis in diabetic rats. Raffel L, et al. **Infect Immun** 1981 Dec;34(3):773–9

Pathologic mechanisms of multifocal choroiditis with retinal detachment after carotid injection of Streptococcus mutans and other bacteria in dogs. Meyers SM, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):165–73

Cerebral infarction in childhood bacterial meningitis. Snyder RD, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):581–5

Rheumatic fever: problems in prevention [editorial] Ilyas M. **JPMA** 1981 Nov;31(11):239–40

Uncommon pneumonia associated with acute poststreptococcal glomerulonephritis. Geormăneanu M, et al. **Morphol Embryol (Bucur)** 1982 Apr–Jun;28(2):145–52

Neuraminidase and free sialic acid levels in acute poststreptococcal glomerulonephritis [letter] **N Engl J Med** 1981 Oct 22;305(17):1016–7

Twelve to seventeen-year follow-up of patients with poststreptococcal acute glomerulonephritis in Trinidad. Potter EV, et al. **N Engl J Med** 1982 Sep 16;307(12):725–9

Streptococcal involvement in childhood acute glomerulonephritis: a review of 20 cases at admission. Dawson KP, et al. **NZ Med J** 1982 Jun 9;95(709):373–6

Acute post-streptococcal nephritis in children: medium term follow up. Dawson KP. **NZ Med J** 1981 Aug 26; 94(690):137–8

Rheumatic fever: a streptococcal-induced autoimmune disease? Zabriskie JB. **Pediatr Ann** 1982 Apr;11(4):383–96 (48 ref.)

Gas formation in the pleural space of a child with an anaerobic streptococcal pneumonia and empyema. Fischer PR, et al. **Pediatrics** 1982 Apr;69(4):492–4

Streptococcus bovis and colonic neoplasia. Cobb BW, et al. **Penn Med** 1982 Jan;85(1):20–2

Bacterial endocarditis in mitral leaflet prolapse syndrome. Rajan RK, et al. **Postgrad Med** 1982 Apr;71(4):203–5

Subdural abscess secondary to covert dental sepsis. Sprott MS, et al. **Postgrad Med J** 1981 Oct;57(672):649–51

Group A streptococcal empyema complicating Mycoplasma pneumoniae infection. Lampe RM, et al. **South Med J** 1982 Jul;75(7):885–7

Infective endocarditis from group C streptococci causing stenosis of both the aortic and mitral valves. Davies MK, et al. **Thorax** 1981 Jan;36(1):69–71

Necrotizing fasciitis–a disease of temperate and warm climates. Seal DV, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):392–5

[A survey of rheumatic fever and related diseases among rural adolescents following epidemic streptococcal infection of upper respiratory tract (author's transl)] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1982 Mar; 10(1):5–7 (Eng. Abstr.) **(Chi)**

[Acute post-streptococcal glomerulonephritis during acute articular rheumatism (letter)] Emilie D, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2832 **(Fre)**

[Acute poststreptococcal glomerulonephritis and rheumatic fever (letter)] Giudicelli CP, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1082 **(Fre)**

[Neonatal osteomyelitis and arthritis caused by group B streptococcus] Kunze W, et al. **Acta Paediatr Acad Sci Hung** 1980;21(4):227–35 **(Ger)**

[Long-term sequelae of neonatal group B streptococcal septicemia/meningitis (author's transl)] Schröder H, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):153–6 (Eng. Abstr.) **(Ger)**

[On the role of cell-mediated immunity in experimental nephritis of mice arising from streptococcal infection (author's transl)] Hayama N. **Arerugi** 1982 Mar; 31(3):166–74 (Eng. Abstr.) **(Jpn)**

[Occurrence and nature of subclinical acute glomerulonephritis after streptococcal infection (author's transl)] Yoshizawa N, et al. **Nippon Jinzo Gakkai Shi** 1981 Aug;23(8):1035–55 (Eng. Abstr.) **(Jpn)**

[Evolutive peculiarities of streptococcal infections in the year 1980, in the city of Bucharest] Măgureanu E, et al. **Rev Ig [Bacteriol]** 1982 Jan–Mar;27(1):17–22 (Eng. Abstr.) **(Rum)**

[Post-streptococcal acute glomerulonephritis. II.] Popescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jul–Sep; 30(3):219–32 (14 ref.) (Eng. Abstr.) **(Rum)**

[Poststreptococcal glomerulonephritis] García-Fuentes M, et al. **An Esp Pediatr** 1981 Aug;15(2):166–81 (104 ref.) (Eng. Abstr.) **(Spa)**

[Streptococcal infection and rheumatic fever (author's transl)] Hernández Rodríguez M. **An Esp Pediatr** 1981 Aug; 15(2):139–50 (60 ref.) (Eng. Abstr.) **(Spa)**

[Post-infection glomerulonephritis. Longitudinal study of 450 cases observed over a period of 12 years] Gortazar Hijar P, et al. **Bol Med Hosp Infant Mex** 1981 Nov–Dec; 38(6):903–9 (Eng. Abstr.) **(Spa)**

[Familial incidence of post-streptococcal glomerulonephritis] Martinez J, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb; 38(1):119–29 (Eng. Abstr.) **(Spa)**

[Pathogenesis of rheumatic fever] Peña Sánchez Rivera JM, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):146–51 **(Spa)**

[Acute poststreptococcal glomerulonephritis complicating diabetic nephropathy] Plaza Perez JJ, et al. **Rev Clin Esp** 1981 Jul 15–31;162(1–2):49–51 **(Spa)**

[Endocarditis caused by group B streptococcus (S. agalactiae). Report of a case] Salata Schusterman HH, et al. **Rev Esp Cardiol** 1981;34(5):417–21 (Eng. Abstr.) **(Spa)**

[The nephritic syndrome] Monfá JM, et al. **Rev Med Univ Navarra** 1981 Dec;25(4):23–7 **(Spa)**

CONGENITAL

Detecting streptococcal infection in neonates [letter] Ninane G. **Am J Clin Pathol** 1982 May;77(5):649–50

Antepartum versus intrapartum selective screening for maternal group B streptococcal colonization. Iams JD, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):153–6

Neonatal empyema caused by group B beta hemolytic streptococcus. Sokal MM, et al. **Chest** 1982 Mar;81(3):390–1

DIAGNOSIS

Streptococcal vs. diphtheritic tonsillitis [letter] Laub GR. **Am Fam Physician** 1982 Jan;25(1):30

Diagnostic accuracy of M-mode echocardiography in active infective endocarditis and prognostic implications of ultrasound-detectable vegetations. Come PC, et al. **Am Heart J** 1982 May;103(5):839–47

Two-dimensional echocardiographic features diagnostic of isolated pulmonic valve endocarditis. Mehlman DJ, et al. **Am Heart J** 1982 Jan;103(1):137–9

Perinatal group B streptococcal colonization and infection. Allardice JG, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):617–20

Enterococcal bacteremia: clinical implications and determinants of death. Garrison RN, et al. **Ann Surg** 1982 Jul;196(1):43–7

Osteomyelitis caused by viridans streptococci. Ribner BS, et al. **Arch Intern Med** 1982 Sep;142(9):1739

Group b Streptococcal pneumonia in the elderly. Verghese A, et al. **Arch Intern Med** 1982 Sep;142(9):1642–5

The changing pattern of hemolytic streptococcal gangrene. Aitken DR, et al. **Arch Surg** 1982 May;117(5):561–7

Acute pharyngitis: a symptom scorecard and microbiological diagnosis [letter] McSherry J. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):824–5

Detection of mitral ring abscess by two-dimensional echocardiography. Nakamura K, et al. **Circulation** 1982 Apr;65(4):816–9

Streptococcal pharyngitis: evaluation of diagnosis by gram stain in a pediatric acute care clinic. Funamura JL, et al. **Clin Pediatr (Phila)** 1982 Aug;21(8):468–71

Prevalence of group B streptococci in parturient mothers and their infants. Naor N, et al. **Eur J Pediatr** 1982 Mar; 138(2):166–7

Clinical significance of enterococci in blood cultures from adult patients. Wells LD, et al. **Infection** 1980;8(4):147–51

Blistering distal dactylitis [letter] Baran R. **J Am Acad Dermatol** 1982 May;6(5):948–9

Emphysematous cellulitis in diabetes. Drago JJ, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):200–3

Rapid identification of material colonization with group B streptococci by use of fluorescent antibody. Boyer KM, et al. **J Clin Microbiol** 1981 Nov;14(5):550–6

Diagnosis of group A streptococcal infections directly from throat secretions. Edwards EA, et al. **J Clin Microbiol** 1982 Mar;15(3):481–3

Clinical significance of viridans streptococci isolated from blood cultures. Swenson FJ, et al. **J Clin Microbiol** 1982 Apr;15(4):725–7

Bacterial endocarditis in the community hospital. Haddy RI, et al. **J Fam Pract** 1981 Nov;13(6):807–11

Screening for group A streptococcus by means of anaerobic primary plate technique. Beerman CA, et al. **J Pediatr** 1982 Jul;101(1):70–2

Septic bursitis in childhood. Paisley JW. **J Pediatr Orthop** 1982 Mar;2(1):57–61

The clinical significance of group B streptococci. Christensen KK, et al. **J Perinat Med** 1982;10(3):133–46 (79 ref.)

Diagnosis of streptococcal infection: previous or recent. Fujikawa S, et al. **Jpn Circ J** 1981 Dec;45(12):1382–3

Violaceous cellulitis [letter] Nudelman R, et al. **Pediatrics** 1982 Jul;70(1):157–8

Streptococcal pharyngitis--rapid diagnosis by Gram stain. Sharma SC, et al. **Postgrad Med J** 1981 Jan;57(663):13–5

An approach to the child with pharyngitis. Congeni BL. **Primary Care** 1981 Dec;8(4):571–81

Overwhelming group B streptococcal sepsis after splenectomy in an adult. Miller JD. **South Med J** 1982 Jan; 75(1):76

Vulvovaginitis in prepubertal girls: the importance of group A Streptococcus. Schwartz RH, et al. **South Med J** 1982 Apr;75(4):446–7

An indirect hemagglutination test for streptococcal infection. Khupulsup K, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):481–6

Severe group A beta-hemolytic streptococcal infection in children. Wang JW, et al. **Taiwan 1 Hsueh Hui Tsa Chih** 1981 Jun;80(6):611–7

[Interest of humoral antibodies assay for diagnosis and survey of urinary tract infections by gram negative bacilli and streptococcus D in children (author's transl)] Bégué P, et al. **Ann Med Interne (Paris)** 1981;132(5):306–8 (Eng. Abstr.) **(Fre)**

[B Streptococcus agalactiae infection in neonates (author's transl)] Paris A, et al. **Ann Pediatr (Paris)** 1982 Feb; 29(2):121–4 (Eng. Abstr.) **(Fre)**

[B streptococcus infections in newborn and young infants] Kunze W, et al. **Kinderarztl Prax** 1981 Dec;49(12):628–33 (Eng. Abstr.) **(Ger)**

[Early diagnosis of neonatal streptococcal infections (author's transl)] Storm W. **Monatsschr Kinderheilkd** 1981 Oct; 129(10):566–8 (Eng. Abstr.) **(Ger)**

[Streptococci. Structural characteristics. Bacteriological and serological laboratory diagnosis] Filadoro F. **Riv Med Aeronaut Spaz** 1980 Jul–Dec;43(3–4):365–85 **(Ita)**

[Variability of the serogroups of beta-hemolytic streptococci in groups of adolescents studied in a pilot project] Roşiu I, et al. **Rev Ig [Bacteriol]** 1981 Oct–Dec;26(4):229–33 (Eng. Abstr.) **(Rum)**

[Determination of the serological group of beta-hemolytic streptococci by the coagglutination method. Comparative study of the Phadebact, Streptosec and Cantacuzino Institute preparations] Sefer M. **Rev Ig [Bacteriol]** 1982 Jan–Mar;27(1):49–52 **(Rum)**

[Hospitalization of convalescents with streptococcal pharyngitis and scarlet fever] Haimovici M, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):326, 353–4 **(Rum)**

[Infectious endocarditis: diagnosis, clinical aspects and treatment] Anokhin VN, et al. **Ter Arkh** 1981;53(7):53–8 (Eng. Abstr.) **(Rus)**

[Bacterial endocarditis. Relations between the clinical manifestations and the etiological agent] Gogin EE, et al. **Ter Arkh** 1982;54(5):97–101 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course of infectious endocarditis in middle-aged and aged patients] Popov VG, et al. **Ter Arkh** 1981;53(5):81–4 (Eng. Abstr.) **(Rus)**

[Correlation of values of the latex-ASL test and the antistreptolysin reaction in the diagnosis of streptococcal diseases] Lučič N, et al. **Reumatizam** 1981;28(4):120–5 (Eng. Abstr.) **(Scr)**

[A study of reproducibility and a comparison of the method of determining antistreptolysin O in the practice of our laboratories (author's transl)] Simkovičová M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):88–93 (Eng. Abstr.) **(Slo)**

[Contribution of echocardiography to the surgical indications in infectious endocarditis] Torino A, et al. **Medicina (B Aires)** 1981;41(2):125–31 (Eng. Abstr.) **(Spa)**

[Is the streptococcal diagnosis in the open care improved by culturing?] Hallander HO, et al. **Lakartidningen** 1982 Apr 21;79(16):1584–6 **(Swe)**

DRUG THERAPY

Experimental endocarditis in rabbits. 6. Results of long-term combined therapy of Streptococcus faecalis endocarditis with penicillin and streptomycin. Gutschik E. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):37–47

Experimental endocarditis in rabbits. 5. Results of long-term penicillin or streptomycin treatment of streptococcus faecalis endocarditis and the effect of long-term exposure of healthy rabbits to the same drugs. Gutschik E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):25–35

Rifampin, ampicillin, streptomycin, and their combinations in the treatment of enterococcal pyelonephritis in rats. Oill PA, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):491–2

Experimental endocarditis caused by Streptococcus sanguis: single and combined antibiotic therapy. Vicente MV, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):10–4

Serious infection in an adult due to penicillin-tolerant group B streptococcus. Steinbrecher UP. **Arch Intern Med** 1981 Nov;141(12):1714–5

Sore throat. Bridges-Webb C, et al. **Aust Fam Physician** 1981 Jul;10(7):510–5

Bursitis and cellulitis due to penicillin-tolerant group B streptococci. Portnoy D, et al. **Can Med Assoc J** 1982 Jul 15;127(2):138–9

Recurrent group B streptococcal infection. Case report. Barton LL, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):100–1

Treatment of Group A streptococcal pharyngitis in children. Results of a prospective, randomized study of four antimicrobial agents. Ginsburg CM, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):83–8

Trimethoprim/sulphadiazine compared with penicillin V in the treatment of streptococcal throat infections. Hoskins TW, et al. **J Antimicrob Chemother** 1981 Dec;8(6):495–6

Short-course treatment of streptococcal endocarditis. Shanson DC. **J Antimicrob Chemother** 1981 Dec;8(6):427–8

Value of the minimum bactericidal concentration of antibiotics in the management of a case of recurrent Streptococcus bovis septicaemia. Robinson L, et al. **J Clin Pathol** 1982 Aug;35(8):879–80

Meningitis secondary to multiply resistant Streptococcus pneumoniae. Ramsay A. **J Fam Pract** 1982 Jun;14(6):1041–4 (17 ref.)

Group B streptococcal pharyngitis in the compromised adult: therapeutic considerations. Corrado ML, et al. **J Natl Med Assoc** 1981 Oct;73(10):943–7

Recurrent infection associated with penicillin–tolerant group B streptococci: a report of two cases. Siegel JD, et al. **J Pediatr** 1981 Dec;99(6):920–4

Treatment of group A streptococcal pharyngotonsillitis [letter] Brook I. **JAMA** 1982 May 14;247(18):2496

Treatment of group A streptococcal pharyngitis: reflections on glue and other things [editorial] Ferrieri P. **JAMA** 1981 Oct 16;246(16):1813–4

Treatment of group A streptococcal pharyngotonsillitis [letter] Goldenring J. **JAMA** 1982 Apr 16;247(15):2096–7

Penicillin V for group A streptococcal pharyngotonsillitis. A randomized trial of seven vs ten days' therapy. Schwartz RH, et al. **JAMA** 1981 Oct 16;246(16):1790–5

Penicillin–sensitive streptococcal endocarditis [editorial] **Lancet** 1982 Sep 18;2(8299):637–8

Pediatric endocarditis. Johnson CM, et al. **Mayo Clin Proc** 1982 Feb;57(2):86–94

Enterococcal endocarditis. Wilkowske CJ. **Mayo Clin Proc** 1982 Feb;57(2):101–5

Treatment of penicillin–sensitive streptococcal infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb; 57(2):95–100

Nonsteroidal anti–inflammatory drugs and the treatment of neonatal sepsis due to group B streptococci. Cherry JD, et al. **Pediatrics** 1982 Sep;70(3):494–5

Improved survival in the suckling rat model of group B streptococcal sepsis after treatment with nonsteroidal anti–inflammatory drugs. Short BL, et al. **Pediatrics** 1982 Sep;70(3):343–7

Prevention of streptococcal neurosis. Boxerbaum B. **Primary Care** 1981 Dec;8(4):583–91

An approach to the child with pharyngitis. Congeni BL. **Primary Care** 1981 Dec;8(4):571–81

Vancomycin therapy for infective endocarditis. Geraci JE, et al. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S250–8

Evaluation of antimicrobial agents in the rabbit model of endocarditis. Sande MA. **Rev Infect Dis** 1981 Nov–Dec;3 suppl:S240–9

[Endocarditis caused by group D streptococci. Comparison of the antibiotic sensitivity of S. bovis and enterococci] Bastin R, et al. **Rev Med Interne** 1981 Oct;2(3):257–62 (Eng. Abstr.) **(Fre)**

[Gram negative infection of the axilla] Hübner HM, et al. **Fortschr Med** 1982 May 20;100(19):886–7 (Eng. Abstr.) **(Ger)**

[Clinical studies of 9, 3'–diacetylmidecamycin (author's transl)] Sugaya N, et al. **Jpn J Antibiot** 1982 Mar; 35(3):754–60 (Eng. Abstr.) **(Jpn)**

[Effect of proteolysis inhibitors on the phagocytic activity and leukocyte cytoplasmic enzyme activity of white mice with streptococcal peritonitis] Shpak SI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):79–83 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of streptococcal infections of the upper respiratory tract] Brkić M, et al. **Srp Arh Celok Lek** 1981 Jul;109(7):919–26 **(Scc)**

[Prophylaxis and treatment of streptococcus infections (author's transl)] Peña J, et al. **An Esp Pediatr** 1981 Aug; 15(2):202–36 (128 ref.) (Eng. Abstr.) **(Spa)**

ETIOLOGY

Hypertrophic osteoarthropathy of a lower extremity in association with arterial graft sepsis. Walter RD, et al. **AJR** 1981 Nov;137(5):1059–61

Streptococcus bovis bacteremia following surgical cure of colonic cancer. Ribaudo TP, et al. **Am J Gastroenterol** 1981 Dec;76(6):542–3

Endocarditis due to group A streptococcus. Savage D, et al. **Am J Med Sci** 1981 Nov–Dec;282(3):98–103

Streptococcal meningitis after myelography. Schlesinger JJ, et al. **Arch Neurol** 1982 Sep;39(9):576–7

Septic prepatellar bursitis due to erysipelas [letter] Borbás E, et al. **Arthritis Rheum** 1981 Sep;24(9):1213

Bacterial endophthalmitis and traumatic hyphema resulting from ocular injuries during dental procedures. Folk JC, et al. **Can J Ophthalmol** 1981 Jul;16(3):151–2

Right–sided endocarditis complicating prolonged central venous catheterisation. Dawes PT, et al. **Intensive Care Med** 1981;7(5):245–6

Streptococcus bovis meningitis following a dental procedure [letter] Longfield RN, et al. **JAMA** 1982 May 21; 247(19):2663

A foodborne outbreak of streptococcal pharyngitis—Portland, Oregon. **MMWR** 1982 Jan 22; 31(1–2):3–5

Extrusion of an infected orbital–floor prosthesis after 15 years. Weintraub B, et al. **Plast Reconstr Surg** 1981 Oct; 68(4):586–7

Overwhelming post–splenectomy infection with group B Streptococcus. Finnegan OC, et al. **Postgrad Med J** 1981 Mar;57(665):202–3

Streptococcus suis type II infection. A new industrial disease? Clements MR, et al. **Practitioner** 1982 Feb;226(1364):323–5

Serological evidence for a causative role of non–group A hemolytic streptococci in pharyngitis. Baumgarten A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):460–5

[Generalized septicemia in acute pancreatitis] Ciesielski L, et al. **Pol Tyg Lek** 1981 Jun 22;36(25):913–6 (Eng. Abstr.) **(Pol)**

[Etiological role of enterococci in intestinal infections of children] Sedov VI. **Pediatriia** 1981 Sep;(9):71–4 **(Rus)**

[Causes of the development and chronic course of inflammatory diseases in diabetes mellitus] Zhukov NA, et al. **Ter Arkh** 1982;54(2):99–101 (Eng. Abstr.) **(Rus)**

[Iniections by group D streptococci (author's transl)] Ferrer Pi S, et al. **An Esp Pediatr** 1981 Aug;15(2):190–201 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Occurrence and specificity of antibodies against group–specific polysaccharides in beta–hemolytic streptococcal infections. Seppälä IJ, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):323–34

Skin window immune response to normal human IgG in patients with rheumatoid arthritis and acute poststreptococcal glomerulonephritis. Rodriguez–Iturbe B, et al. **Am J Clin Pathol** 1981 Sep;76(3):270–5

Skin infections and immunoglobulin A in serum, sweat, and saliva of patients recovered from poststreptococcal acute glomerulonephritis or acute rheumatic fever and their siblings. Potter EV, et al. **Am J Epidemiol** 1982 Jun; 115(6):951–9

Immunobiology of dental caries: microbial aspects and local immunity. McGhee JR, et al. **Annu Rev Microbiol** 1981; 35:595–638 (188 ref.)

Lymphocyte cell subpopulations during acute post–streptococcal glomerulonephritis: cell surface antigens and binding of streptococcal membrane antigens and C–reactive protein. Williams RC Jr, et al. **Clin Exp Immunol** 1981 Nov;46(2):397–405

Comparative study of standard tube method and microtitre techniques of antihyaluronidase test (AHT). Prasad MS, et al. **Indian J Pathol Microbiol** 1981 Oct;24(4):297–300

A study of beta–haemolytic streptococci and anti–streptolysin 'O' titres in acute pharyngitis in children. Gulati V, et al. **Indian Pediatr** 1981 Nov;18(11):793–6

Mouse protection assay for group B streptococcus type III. Fleming DO. **Infect Immun** 1982 Jan;35(1):240–7

Effect of nitrogen mustard on natural history of right–sided streptococcal endocarditis in rabbits: role for cellular host defenses. Yersin BR, et al. **Infect Immun** 1982 Jan; 35(1):320–5

Immune recognition in the streptococcal carditis of mice: the role of macrophages in the generation of heart–reactive lymphocytes. Dos Reis GA, et al. **J Immunol** 1982 Apr; 128(4):1514–21

Macrophages and resistance of newborn rats to infection. Schuit KE. **J Reticuloendothel Soc** 1981 Nov;30(5):341–6

Infection of group A streptococcus and antibody response to extracellular antigens. Kawakita S, et al. **Jpn Circ J** 1981 Dec;45(12):1384–90

Clinical appraisal of the antideoxyribonuclease–B (ADNB) by means of streptonase–B test (Wampole). Oda T, et al. **Jpn Circ J** 1981 Dec;45(12):1374–8

Anti–deoxyribonulease B survey in a population sample. Yamada T, et al. **Jpn Circ J** 1981 Dec;45(12):1371–3

Mouse Igg3 antibodies are highly protective against infection with Streptococcus pneumoniae. Briles DE, et al. **Nature** 1981 Nov 5;294(5836):88–90

Group B streptococcal lung infection in neonatal rabbits. Sherman M, et al. **Pediatr Res** 1982 Mar;16(3):209–12

Role of antibody to native type III polysaccharide of group B Streptococcus in infant infection. Baker CJ, et al. **Pediatrics** 1981 Oct;68(4):544–9

Microbial–mammalian tissue cross–reactivities exemplified by group A streptococci. Zabriskie J. **Recomb DNA Tech Bull** 1981 Sep;4(3):117–20

[Antibody titer against B–streptococci in human gamma globulin] Fox EN, et al. **MMW** 1981 Nov 13;123(46):1743–4 **(Ger)**

[Immune complexes and impairment of neutrophil function in peritonsillar abscess] Liashenko IuI. **Ter Arkh** 1981; 53(11):30–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Comparison of slide agglutination test (Phadebact) with counterimmunoelectrophoresis for detection of streptococcal group antigens. Fung JC, et al. **Am J Clin Pathol** 1982 May;77(5):608–10

Fatal Streptococcus MG–intermedius (Streptococcus milleri) meningitis in an adult. Tecson–Tumang F, et al. **Am J Clin Pathol** 1982 Apr;77(4):480–4

Group B streptococcal cellulitis–adenitis in infants. Baker CJ. **Am J Dis Child** 1982 Jul;136(7):631–3

Penicillin–resistant Streptococcus constellatus as a cause of endocarditis. Levin RM, et al. **Am J Dis Child** 1982 Jan; 136(1):42–5

Acute epiglottitis caused by beta–hemolytic group C Streptococci. Schwartz RH, et al. **Am J Dis Child** 1982 Jun;136(6):558–9

Minimal concentrations of aminoglycoside that can synergize with penicillin in enterococcal endocarditis. Carrizosa J, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):405–9

Colonisation of babies and their families by group B streptococci. Weindling AM, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1503–5

Type III group B streptococcal infections in mice: bacteremia and meningitis following oral inoculation. Lounsbery JL, et al. **Can J Microbiol** 1981 Nov;27(11):1150–5

Bacteremia caused by viridans streptococci in 71 children. Gaudreau C, et al. **Can Med Assoc J** 1981 Dec 1; 125(11):1246–9

Endocarditis due to Streptococcus zooepidemicus [letter] Martinez–Luengas F, et al. **Can Med Assoc J** 1982 Jul 1; 127(1):13

Infections caused by group F streptococci. Righter J, et al. **Can Med Assoc J** 1981 Nov 1;125(9):1008–10

Bacteremia caused by viridans streptococci [letter] Righter J. **Can Med Assoc J** 1982 May 15;126(10):1152

Experimental production of acute glomerulonephritis by various serotypes of beta haemolytic streptococci. **Prakash K, et al. Indian J Med Res** 1982 Feb;75:192–200

T–typing & serogrouping of beta haemolytic streptococci in various human diseases in & around Chandigarh. Ayyagari A, et al. **Indian J Pathol Microbiol** 1981 Jul; 24(3):199–203

Streptococcal throat infection in urban school children. Agarwal SK, et al. **Indian Pediatr** 1981 Nov;18(11):797–800

Natural history of aortic valve endocarditis in rats. **Héraïef E, et al. Infect Immun** 1982 Jul;37(1):127–31

Adherence and Streptococcus mutans infections: in vitro study with saliva from noninfected and infected preschool children. Köhler B, et al. **Infect Immun** 1981 Nov; 34(2):633–6

Preemption of Streptococcus mutans 10449S colonization by its mutant 805. Tanzer JM, et al. **Infect Immun** 1982 Jan; 35(1):138–42

Detection of human Fc (gamma) receptors on streptococci by indirect immunofluorescence staining: a survey of streptococci freshly isolated from patients. Lebrun L, et al. **J Clin Microbiol** 1982 Jul;16(1):200–1

Group B streptococcal serotypes correlated with maternal parity and carrier sites [letter] Weindling AM, et al. **J Clin Pathol** 1981 Dec;34(12):1405

Distribution of extraurinary beta–haemolytic streptococci in clinical specimens. Chattopadhay B, et al. **J Hosp Infect** 1981 Jun;2(2):192–4

Why type streptococci? The epidemiology of group A streptococci in Oxfordshire 1976–1980. Mayon–White RT, et al. **J Hyg (Lond)** 1982 Jun;88(3):439–52

Prediction of tracheobronchial colonization in current cigarette smokers with chronic obstructive bronchitis. Irwin RS, et al. **J Infect Dis** 1982 Feb;145(2):234–41

Group G streptococcal colonization and sepsis in neonates. Dyson AE, et al. **J Pediatr** 1981 Dec;99(6):944–7

Laboratory–acquired human infection with group A type 50 streptococci [letter] Kurl DN. **Lancet** 1981 Oct 3; 2(8249):752

Intracranial abscess due to Streptococcus milleri: a report of seven cases. Puthucheary SD, et al. **Singapore Med J** 1982 Feb;23(1):33–6

Meningitis caused by Streptococcus equisimilis (group C). Chung SJ. **South Med J** 1982 Jun;75(6):769

Streptococcus anginosus–constellatus infections of the nervous system. Plotkin GR. **South Med J** 1982 May; 75(5):608–10

[Coincidence of lethal B–streptococcal disease of newborn with acute puerperal polyarthritis of mother due to infectious allergy (author's transl)] Friedrich W, et al. **Zentralbl Gynakol** 1982;104(5):302–8 (Eng. Abstr.) **(Ger)**

[Occurrence of B–streptococci in parturients (author's transl)] Moholi K, et al. **Zentralbl Gynakol** 1982;104(5):294–301 (Eng. Abstr.) **(Ger)**

[Isolation of L forms of Streptococcus bovis from blood cultures (author's transl)] Mabuchi K, et al. **Kansenshogaku Zasshi** 1982 Feb;56(2):162–7 (Eng. Abstr.) **(Jpn)**

[Neonatal infections caused by Group B streptococci] Markestad T, et al. **Tidsskr Nor Laegeforen** 1981 Aug 10; 101(22):1187–9 (Eng. Abstr.) **(Nor)**

[Sensitivity of bacteria to antibiotics in urinary tract infection] Mróz E, et al. **Wiad Lek** 1981 Jul 1;34(13):1085–9 (Eng. Abstr.) **(Pol)**

[Severe infections in newborn infants due to genital bacterial] Bassi GE, et al. **Rev Paul Med** 1981 Jan–Mar;97(1–3):36–7 (Eng. Abstr.) **(Por)**

[Antibodies to polysaccharides of group A Streptococcus in the sera of patients with myocarditis] Vinogradov AV, et al. **Kardiologiia** 1981 Oct;21(10):80–4 (Eng. Abstr.) **(Rus)**

[Microbiological diagnosis of streptococcal infection] Krasil'nikov IA. **Voen Med Zh** 1981 Sep;(9):42–4 **(Rus)**

[Microbiological aspects of streptococcal disease (author's transl)] Mellado Polio A. **An Esp Pediatr** 1981 Aug; 15(2):125–38 (65 ref.) (Eng. Abstr.) **(Spa)**

MORTALITY

Infective endocarditis: a lethal disease. Ormiston JA, et al. **Aust NZ J Med** 1981 Dec;11(6):620–9

OCCURRENCE

Global changes in group A streptococcal diseases and strategies for their prevention. Stollerman GH. **Adv Intern Med** 1982;27:373–406 (93 ref.)

Puerperal and perinatal infections with group B streptococci. Pass MA, et al. **Am J Obstet Gynecol** 1982 May 15; 143(2):147–52

A three–year streptococcal survey among Singapore school children: Part II. Streptococcal infections. Leng T, et al.

Ann Acad Med Singapore 1982 Jan;11(1):101–9
A three-year streptococcal survey among Singapore school children. Part I—Carriership of streptococci. Tay L, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):14–24
A large outbreak of streptococcal pyoderma in a military training establishment. Cruickshank JG, et al. **J Hyg (Lond)** 1982 Aug;89(1):9–21
Anorectal and vaginal carriage of group B streptococci during pregnancy. Dillon HC Jr, et al. **J Infect Dis** 1982 Jun;145(6):794–9
Maternal carriage and neonatal acquisition of group B streptococci. Hoogkamp-Korstanje JA, et al. **J Infect Dis** 1982 Jun;145(6):800–3
A controlled evaluation of the risk of bacterial endocarditis in persons with mitral-valve prolapse. Clemens JD, et al. **N Engl J Med** 1982 Sep 23;307(13):776–81
Consideration on the relation between the pharyngo-amygdalitis infections and the poststreptococcal joint, cardiac and renal affections in school children. Ivan A, et al. **Sante Publique (Bucur)** 1981;24(4):371–84
[Epidemiological study on streptococcal infectious diseases and group A streptococci in Akita: classification of 21 serotypes of group A streptococci (author's transl)] Morita M, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):26–36 (Eng. Abstr.) **(Jpn)**
[Septic pharyngitis] Pol J. **Otolaryngol Pol** 1981;35(2):187–9 **(Pol)**
[Seasonality of the epidemic process in anginas] Agafonov VI, et al. **Voen Med Zh** 1981 Sep;(9):38–42 **(Rus)**
[Occurrence of rheumatic fever and streptococcal infection in the population of the Todzhinsk Region of the Tuva ASSR] Benevolenskaia LI, et al. **Vopr Revm** 1982 Jan-Mar;(1):14–6 **(Rus)**
[Streptococcal infection in certain population groups in Saaremaa Island (Estonian SSR)] Birkenfeldt RR, et al. **Vopr Revm** 1981 Jul-Sep;(3):57–8 (Eng. Abstr.) **(Rus)**
[Streptococcal infections in the neonatal period] Ballabriga A, et al. **An Esp Pediatr** 1981 Aug;15(2):182–9 **(Spa)**

PATHOLOGY

Effect of altitude exposure on induction of streptococcal endocarditis in young and middle-aged rats. Altland PD. **Aviat Space Environ Med** 1982 Jan;53(1):44–8
Anatomical and immunological responses of rabbit gallbladders to bacterial infections. Gilman RH, et al. **Infect Immun** 1982 Apr;36(1):407–16
Fundus lesions after carotid injection of Streptococcus mutans in monkeys. Meyers SM, et al. **Infect Immun** 1982 Mar;35(3):1079–85
Experimental streptococcal endocarditis in the pig: the development of lesions 3 to 14 days after inoculation. Jones JE. **J Comp Pathol** 1981 Jan;91(1):51–62
Experimental streptococcal endocarditis in the pig: the development of lesions 18 to 48 hours after inoculation. Jones JE. **J Comp Pathol** 1982 Apr;92(2):301–8
Toxic shock syndrome. A fatal case with autopsy findings. Wick MR, et al. **Mayo Clin Proc** 1982 Sep;57(9):583–9
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 12–1982. Low-back pain and fever in a 71-year-old man. **N Engl J Med** 1982 Mar 25;306(12):729–37
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 34–1982. Fever, heart murmur, and artrial fibrillation in a 72-year-old woman. **N Engl J Med** 1982 Aug 26;307(9):543–9
Acute streptococcal gingivostomatitis. Report of five cases and review of the literature. Littner MM, et al. **Oral Surg** 1982 Feb;53(2):144–7
Group B beta hemolytic streptococcal sepsis in the newborn. Craig JM. **Perspect Pediatr Pathol** 1981;6:139–51
[Neonatal fatalities caused by B streptococci – case reports] Kohlhoff R. **Padiatr Grenzgeb** 1982;21(2):151–60 (Eng. Abstr.) **(Ger)**
[Pathological changes of the placenta during intrauterine streptococcal infection (experimental study)] Korzhova VV, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):42–4 (Eng. Abstr.) **(Rus)**
[Palatal tonsil changes and interstitial microbial foci in chronic tonsillitis] Vartazarian ND. **Arkh Patol** 1981; 43(5):10–5 (Eng. Abstr.) **(Rus)**
[Morphology of umbilical sepsis under present-day conditions] Ivanovskaia TE, et al. **Pediatriia** 1981 Sep;(9):5–8 **(Rus)**
[Fibroblast ultrastructural cytopathology in a streptococcal infection] Korinteli VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):30–2 (Eng. Abstr.) **(Rus)**
[Cerebellar abscess (clinical conference)] Peñaloza Munguia JL, et al. **Bol Med Hosp Infant Mex** 1981 Nov-Dec; 38(6):947–65 **(Spa)**

PHYSIOPATHOLOGY

Age-dependent susceptibility of neonatal rats to group B streptococcal type III infection: correlation of severity of infection and response of myeloid pools. Zeligs BJ, et al. **Infect Immun** 1982 Jul;37(1):255–63

PREVENTION & CONTROL

Fatal group B streptococcal pneumonia in neonates. Effects of antibiotics. Hamoudi AC, et al. **Am J Clin Pathol** 1981 Dec;76(6):823–6
Effects of local immunization of hamsters with glucosyltransferase antigens from Streptococcus sanguis on dental caries caused by Streptococcus mutans. Smith DJ, et al. **Arch Oral Biol** 1981;26(11):871–8
Minimum amount of penicillin prophylaxis required to control Streptococcus pyogenes epidemic in closed community. Colling A, et al. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):95–6
Outbreak of Streptococcus pyogenes infections in a geriatric hospital and control by mass treatment. Rahman M. **J Hosp Infect** 1981 Mar;2(1):63–9
Single-dose penicillin prophylaxis of neonatal group-B-streptococcal disease. Siegel JD, et al. **Lancet** 1982 Jun 26;1(8287):1426–30
[Prophylaxis and treatment of streptococcus infections (author's transl)] Peña J, et al. **An Esp Pediatr** 1981 Aug; 15(2):202–36 (128 ref.) (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Enterococcal endocarditis: a rare cause of focal cardiac uptake in infarct-avid myocardial scintigraphy. Kerber G, et al. **Arch Intern Med** 1982 Jul;142(7):1360–2

SURGERY

Infective endocarditis: surgical treatment of 41 patients. Haraphongse M, et al. **Can J Surg** 1982 Mar;25(2):138–40
Bilateral infective endocarditis. Koshal A, et al. **Clin Cardiol** 1981 Sep-Oct;4(5):243–6
Acute bacterial endocarditis with postpartum aortic valve replacement. Cavalieri RL, et al. **Obstet Gynecol** 1982 Jan; 59(1):124–5
Brain abscess and its surgical management. Gruszkiewicz J, et al. **Surg Neurol** 1982 Jul;18(1):7–17
Multiple streptococcal brain abscesses successfully treated by craniotomy and needle aspiration. Hubschmann OR, et al. **Surg Neurol** 1982 Jan;17(1):57–61

THERAPY

Functional characteristics of a modified immunoglobulin preparation for intravenous administration: summary of studies of opsonic and protective activity against group B streptococci. Fischer GW, et al. **J Clin Immunol** 1982 Apr;2(2 Suppl):31S–35S
Intramedullary cervical spinal cord abscess. Case report. Blacklock JB, et al. **J Neurosurg** 1982 Aug;57(2):270–3
Protective efficacy of a modified immune serum globulin in experimental group B streptococcal infection. Santos JI, et al. **J Pediatr** 1981 Dec;99(6):873–9
General considerations in the diagnosis and treatment of infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb;57(2):81–5
Streptococcal pyomyositis following a sore throat. Mattingly PC, et al. **Rheumatol Rehabil** 1981 Aug;20(3):151–2
[Extracorporeal circulation and biological oxygenators in the treatment of suppurative diseases] Kulik IaP, et al. **Klin Khir** 1981 Aug;(8):32–6 (Eng. Abstr.) **(Rus)**

TRANSMISSION

A prospective study of group B streptococcal colonization in parturient mothers and their infants. Chow KK, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):79–83
Colonisation of babies and their families by group B streptococci [letter] Easmon CS, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):269
Hematogenous infection of peritoneovenous shunts after dental procedures. Gilas T, et al. **Can J Surg** 1982 Mar; 25(2):215–6
Prevalence and sexual transmission of group B streptococci in male genital tract. Sehgal SC, et al. **Indian J Med Res** 1981 Sep;74:345–7
Streptococcus pyogenes pneumonia in residential homes: probable spread of infection from the staff. Barnham M, et al. **J Hosp Infect** 1981 Sep;2(3):255–7
Streptococcal wound infections caused by a vaginal carrier. Berkelman RL, et al. **JAMA** 1982 May 21;247(19):2680–2
Carriage of group-B streptococci in women and newborn infants in Brazil [letter] Benchetrit LC, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):473–4
[Role of facultatively pathogenic bacteria in the development of intrauterine infection of the fetus] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** 1982 May;(5):21–4 **(Rus)**

URINE

[Urinary excretion of glycoproteins depending on the localization of infection in the urinary tract of children] Zoch-Zwierz W, et al. **Pediatr Pol** 1981 Jul;56(7):809–14 (Eng. Abstr.) **(Pol)**

VETERINARY

Infection with RS streptococci in pigs. Pedersen KB, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):161–5
The significance of NT1, NT2, and NT3 antigens in epidemiological investigations of bovine group-B streptococcus infections. Jensen NE, et al. **Acta Vet Scand** 1981;22(3-4):307–14
Effect of estrogen and progesterone on the phagocytic response of ovariectomized mares infected in utero with beta-hemolytic streptococci. Washburn SM, et al. **Am J Vet Res** 1982 Aug;43(8):1367–70
The isolation of Streptococcus suis type II from a pig with meningitis [letter] Buddle JR, et al. **Aust Vet J** 1981 Sep; 57(9):437–8
A microtitration agglutination test for detecting group E streptococcus infection in swine. Armstrong CH, et al. **Can J Comp Med** 1982 Apr;46(2):201–5
The serological response of foals to vaccination against strangles. Srivastava SK, et al. **Can J Comp Med** 1981 Jan; 45(1):20–5
Brain abscess in three horses. Raphel CF. **J Am Vet Med Assoc** 1982 Apr 15;180(8):874–7
Pathogenesis of contagious streptococcal lymphadenitis in cats. Swindle MM, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1208–10
FAT for Streptococcus suis type 2 infections [letter] Hunt BW, et al. **Vet Rec** 1982 Jan 2;110(1):21
Enzyme-linked immunosorbent assay for Streptococcus agalactiae antibodies in bovine milk. Logan EF, et al. **Vet Rec** 1982 Mar 13;110(11):247–9
[Cases of clinical and subclinical mastitis due to 'D' streptococci] Aleksieva V, et al. **Vet Med Nauki** 1981; 18(10):86–91 (Eng. Abstr.) **(Bul)**
[Isolation of group D streptococci in pyelitis cystica of swine] Iurukov M, et al. **Vet Med Nauki** 1981;18(3):28–32 (Eng. Abstr.) **(Bul)**
[Report of the Streptococcus Reference Center on streptococci isolated from swine between 1968 and 1980. 1. Serological grouping and pathogenic importance] Kunter E. **Arch Exp Veterinarmed** 1982;36(2):279–96 (Eng. Abstr.) **(Ger)**

STREPTOCOCCAL PREPARATION OK-432 see under **BIOLOGICAL PRODUCTS**

STREPTOCOCCUS

A double-blind comparison of two different treatments for acute enteritis in adults. Camarri E, et al. **Chemotherapy** 1981;27(6):466–70

ANALYSIS

Chromatographic purification from Streptococcus faecium extract of a factor active on Picornaviridae. Calatroni A, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2277–82
Immunochemical analysis of streptococcal group A, B, and C carbohydrates, with emphasis on group A. Fung JC, et al. **Infect Immun** 1982 Jul;37(1):209–15
Lipoteichoic acid, a major amphiphile of Gram-positive bacteria that is not readily extractable. Huff E. **J Bacteriol** 1982 Jan;149(1):399–402
Group H streptococcal bacteriocins having no relation to bacterial transformation. Ito T. **Microbiol Immunol** 1982; 26(2):93–105
Comparison of fatty acid fingerprints of streptococci of Lancefield groups A, D, E, F, G, H, K, O, P and Q. Drucker DB. **Microbios** 1981;31(125–126):183–8
[Extracellular polysaccharides of plaque streptococci. 2. Gas chromatographic studies] Gabert A, et al. **Zahn Mund Kieferheilkd** 1981;69(3):185–92 (Eng. Abstr.) **(Ger)**
[Streptococci. Structural characteristics. Bacteriological and serological laboratory diagnosis] Filadoro F. **Riv Med Aeronaut Spaz** 1980 Jul-Dec;43(3-4):365–85 **(Ita)**
[Studies on the histamine-like substance releasing activity of the peptidoglycan fraction extracted from streptococcal cell walls (author's transl)] Katoh T. **Nippon Ika Daigaku Zasshi** 1981 Aug;48(4):536–43 (Eng. Abstr.) **(Jpn)**
[Nucleotide composition of enterococcal DNA] Sedov VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun; (6):38–40 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Preliminary attempts at bacteriocin typing of lactic streptococci. Bardowski J, et al. **Acta Microbiol Pol** 1981; 30(3):227–30
Group identification of streptococci. Evaluation of three rapid agglutination methods. Burdash NM, et al. **Am J Clin Pathol** 1981 Dec;76(6):819–22
Speciation of the 'viridans' streptococci. Sands M, et al. **Am J Clin Pathol** 1982 Jul;78(1):78–80
Group G streptococci: a review of the literature. Cudney NJ, et al. **Am J Med Technol** 1982 Jan;48(1):37–42 (58 ref.)
CAMP versus cAMP [letter] Shulman S. **Am J Obstet Gynecol** 1982 Jan 1;142(1):119–20
Grouping of streptococci by different methods. Botta GA, et al. **Ann Sclavo** 1981 Jan-Feb;23(1):44–51
T-typing & serogrouping of beta haemolytic streptococci in various human diseases in & around Chandigarh. Ayyagari A, et al. **Indian J Pathol Microbiol** 1981 Jul; 24(3):199–203
Origins of the mycoplasmas: sterol-nonrequiring mycoplasmas evolved from streptococci. Neimark H, et al. **J Bacteriol** 1982 Jun;150(3):1259–65
Simplified coagglutination test for serological grouping of beta-hemolytic streptococci. Engel HW, et al. **J Clin Microbiol** 1981 Sep;14(3):252–5
Presumptive identification of streptococci with a new test system. Facklam RR, et al. **J Clin Microbiol** 1982 Jun; 15(6):987–90
Improved streptococcal grouping antisera containing

polyethylene glycol. George JR, et al. **J Clin Microbiol** 1981 Oct;14(4):433–6

Comparison of the API 20S Streptococcus identification system with an immunorieophoresis procedure and two commercial latex agglutination tests for identifying beta–hemolytic streptococci. Keville MW, et al. **J Clin Microbiol** 1982 Jul;16(1):92–5

Identification of viridans streptococci isolated from clinical specimens. Ruoff KL, et al. **J Clin Microbiol** 1982 May; 15(5):920–5

Rapid identification of enterococci by reduction of litmus milk. Schierl EA, et al. **J Clin Microbiol** 1981 Aug; 14(2):227–8

Evaluation of Phadebact and Streptex Kits for rapid grouping of streptococci directly from blood cultures. Wellstood S. **J Clin Microbiol** 1982 Feb;15(2):226–30

Evaluation of an improved Streptex kit for the grouping of beta–haemolytic streptococci by agglutination. Castle D, et al. **J Clin Pathol** 1982 Jul;35(7):719–22

An evaluation of the API–20 STREP system. Tillotson GS. **J Clin Pathol** 1982 Apr;35(4):468–72

Distribution of extraurinary beta–haemolytic streptococci in clinical specimens. Chattopadhay B, et al. **J Hosp Infect** 1981 Jun;2(2):192–4

Serological evidence for a causative role of non–group A hemolytic streptococci in pharyngitis. Baumgarten A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):460–5

[Possibilities of group classification of beta–hemolytic streptococci on the principle of coagglutination by means of diagnostic preparation Streptosec (author's transl)] Wolfová J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 May;31(3):152–5 (Eng. Abstr.) **(Cze)**

[Report of the Streptococcus Reference Center on streptococci isolated from swine between 1968 and 1980. 1. Serological grouping and pathogenic importance] Kunter E. **Arch Exp Veterinarmed** 1982;36(2):279–96 (Eng. Abstr.) **(Ger)**

[Results from the Central Laboratory for Streptococci Research in Kiel from 1965 to 1980 – group D–streptococci (enterococci) (author's transl)] Hahn G. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):431–45 (Eng. Abstr.) **(Ger)**

[1979–fiscal–year–survey for throat–carriers of hemolytic streptococci among children in Tokyo (author's transl)] Yamaguchi T, et al. **Kansenshogaku Zasshi** 1982 Jan; 56(1):85–96 (Eng. Abstr.) **(Jpn)**

[Determination of the serological group of beta–hemolytic streptococci by the coagglutination method. Comparative study of the Phadebact, Streptosec and Cantacuzino Institute preparations] Sefer M. **Rev Ig [Bacteriol]** 1982 Jan–Mar;27(1):49–52 **(Rum)**

[Protein complexes of enterococci: antigenic spectrum and taxonomy] Vershinina VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):51–4 **(Rus)**

[Microbiological aspects of streptococcal disease (author's transl)] Mellado Polio A. **An Esp Pediatr** 1981 Aug; 15(2):125–38 (65 ref.) (Eng. Abstr.) **(Spa)**

[Introduction to the study of infant streptococcosis] Sánchez Villares E. **An Esp Pediatr** 1981 Aug;15(2):111–24 (36 ref.) (Eng. Abstr.) **(Spa)**

CYTOLOGY

Surface tension–like forces determine bacterial shapes: Streptococcus faecium. Koch AL, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):151–61

Spontaneous aggregation of streptococcus mitis ATCC 903. Abaas S, et al. **Scand J Dent Res** 1981 Oct;89(5):366–73

Extracellular polysaccharides of smooth and rough variants of Streptococcus salivarius. Kelstrup J. **Scand J Dent Res** 1981 Oct;89(5):374–83

DRUG EFFECTS

Growth of some lactic acid bacteria in milk containing sulfadiazine. Soback S. **Acta Vet Scand** 1981; 22(3–4):493–500

Susceptibility of gram–positive cocci to various antibiotics, including cefotaxime, moxalactam, and N–formimidoyl thienamycin. Cherubin CE, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):553–5

Comparison of the in vitro activities of teichomycin A2 and vancomycin against staphylococci and enterococci. Cynamon MH, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):504–5

Susceptibility of enterococci and Listeria monocytogenes to N–Formimidoyl thienamycin alone and in combination with an aminoglycoside. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1981 May;19(5):789–93

High–level aminoglycoside resistance in group A, B, G, D (Streptococcus bovis), and viridans streptococci. Horodniceanu T, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):176–9

Penicillin tolerance of human isolates of group C streptococci. Portnoy D, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):235–8

The effect of media containing sucrose and its constituent monosaccharides on the ability of streptococci to form dental plaque–like deposits on nichrome steel wire in vitro. Dummer PM, et al. **Arch Oral Biol** 1981;26(5):453–5

The recent aspects of group D Streptococcus sensitivity to antibiotics. Turcu T, et al. **Arch Roum Pathol Exp Microbiol** 1981 Jul–Sep; 40(3):199–204

Biophotometric comparison of cephalexin and cephradine against gram–positive bacteria. Brumfitt W, et al. **Chemotherapy** 1982;28(1):40–5

Lactoperoxidase and thiocyanate protect bacteria from hydrogen peroxide. Adamson M, et al. **Infect Immun** 1982 Jan;35(1):20–4

Ineffectiveness of isoniazid against three equine pathogens. Hietala S, et al. **J Am Vet Med Assoc** 1981 Oct 15; 179(8):806–8

Mezlocillin: a broad spectrum penicillin highly active against gram–positive organisms and Haemophilus influenzae. Sanders CC. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:15–21

Anti–streptococcal activity of Sch 29482—a novel penem antibiotic. Yu PK, et al. **J Antimicrob Chemother** 1982 Feb; 9 Suppl C:195–8

Heterogeneity of tetracycline resistance determinants in Streptococcus. Burdett V, et al. **J Bacteriol** 1982 Mar; 149(3):995–1004

Oxygen toxicity in Streptococcus sanguis. The relative importance of superoxide and hydroxyl radicals. DiGuiseppi J, et al. **J Biol Chem** 1982 Apr 25; 257(8):4046–51

Classification and prevalences of plaque streptococci after two years oral use of chlorhexidine. Mikkelsen L, et al. **J Periodont Res** 1981 Nov;16(6):646–58

Penicillin–sensitive streptococcal endocarditis [editorial] **Lancet** 1982 Sep 18;2(8299):637–8

[Antibiotic resistance genetic basis of human origin streptococci (author's transl)] Horodniceanu T, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):415–20 (Eng. Abstr.) **(Fre)**

[Endocarditis caused by group D streptococci. Comparison of the antibiotic sensitivity of S. bovis and enterococci] Bastin R, et al. **Rev Med Interne** 1981 Oct;2(3):257–62 (Eng. Abstr.) **(Fre)**

[An epidemiological survey of Group A–, B–, C– and G–hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part III: Susceptibility to antibiotics (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):74–84 (Eng. Abstr.) **(Jpn)**

[Effect of dioxidine on polyresistant flora isolated from cancer patients] Smolianskaia AZ, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):72–5 **(Rus)**

ENZYMOLOGY

Purification and properties of dipeptidyl peptidase IV from Streptococcus mitis ATCC 9811. Fukasawa KM, et al. **Arch Biochem Biophys** 1981 Aug;210(1):230–7

The dissociation of aggregate forms of dextransucrase. Luzio GA, et al. **Arch Biochem Biophys** 1982 Jul;216(2):751–7

Chemical mechanism of the reaction catalyzed by dihydrofolate reductase from Streptococcus faecium: pH studies and chemical modification. Williams JW, et al. **Biochemistry** 1981 Oct 13;20(21):6024–9

Purification and properties of Streptococcus mutans extracellular glucosyltransferase. Shimamura A, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):72–80

Phosphofructokinases from Lactobacteriaceae. II. Purification and properties of phosphofructokinase from Streptococcus thermophilus. Simon WA, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):158–63

Inorganic pyrophosphatase activity in oral streptococci: purification and properties of the enzyme from Streptococcus salivarius. Khandelwal RL, et al. **Can J Biochem** 1982 Apr;60(4):452–62

Inactivation of D–glucosyltransferases from oral Streptococcus mutans and Streptococcus sanguis by photochemical oxidation. Koga T, et al. **Carbohydr Res** 1981 Jun 16;93(1):125–33

Amino sugars: a new class of inhibitors of dextransucrase. Thaniyavarn S, et al. **Carbohydr Res** 1981 Oct 1;96(1):134–7

A new sequence–specific endonuclease from Streptococcus durans. Janulaitis A, et al. **FEBS Lett** 1981 Nov 16; 134(2):172–4

Enolases from fluoride–sensitive and fluoride–resistant streptococci. Bunick FJ, et al. **Infect Immun** 1981 Dec; 34(3):856–63

D–tagatose 1,6–diphosphate aldolase from lactic streptococci: purification, properties, and use in measuring intracellular tagatose 1,6–diphosphate. Crow VL, et al. **J Bacteriol** 1982 Aug;151(2):600–8

Inactivation of cell–associated fructosyltransferase in Streptococcus salivarius. Jacques NA, et al. **J Bacteriol** 1981 Dec;148(3):912–8

Aryl–L–aminoacylamidase activities in extracts of Streptococcus durans. Machuga EJ. **J Bacteriol** 1982 May; 150(2):747–54

A comparative study of enzymes involved in glucose phosphorylation in oral streptococci. Vadeboncoeur C, et al. **J Dent Res** 1982 Jan;61(1):60–5

GENETICS

Conjugative R plasmids in Streptococcus faecium (group D). Le Bouguenec C, et al. **Antimicrob Agents Chemother** 1982 May;21(5):698–705

Molecular cloning in the Streptococci. Macrina FL, et al. **Basic Life Sci** 1982;19:195–210

Homology among tet determinants in conjugative elements of streptococci. Smith MD, et al. **J Bacteriol** 1981 Oct; 148(1):232–40

Plasmid pGB301, a new multiple resistance streptococcal cloning vehicle and its use in cloning of a gentamicin/kanamycin resistance determinant. Behnke D, et al. **MGG** 1981;182(3):414–21

Transformation of Streptococcus sanguis (Challis) by linear plasmid molecules. Malke H, et al. **MGG** 1982;185(3):502–5

Plasmids, drug resistance, and gene transfer in the genus Streptococcus. Clewell DB. **Microbiol Rev** 1981 Sep; 45(3):409–36 (246 ref.)

[Transfer of plasmid–determined antibiotic resistance in group A, B, C and G streptococci] Zakharieva S, et al. **Acta Microbiol Bulg** 1980;6:17–24 (Eng. Abstr.) **(Bul)**

[Comparative characters of the transducing virulent streptococcal phages A25 and CA1] Totolian AA, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):894–900 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Persistence and distribution of pollution indicator bacteria on land used for disposal of piggery effluent. Chandler DS, et al. **Appl Environ Microbiol** 1981 Sep;42(3):453–60

The colonization of Streptococcus faecium in human intestinal tract after oral administration. Bongetta R, et al. **Boll Ist Sieroter Milan** 1981 Nov;60(5):381–5

Growth of group E streptococci and production of antigens in a chemically defined medium. Wessman GE. **Can J Microbiol** 1982 Jan;28(1):106–10

Characteristic and kinetics of the in vitro interfering activity of the Streptococcus viridans Ab1III strain. Beck A. **Isr J Med Sci** 1982 May;18(5):645–6

Correlation of growth depression of chicks with the presence of Streptococcus faecium in the gut. Houghton SB, et al. **J Appl Bacteriol** 1981 Aug;51(1):113–20

A selective medium for the enumeration of Streptococcus bovis by membrane filtration. Oragui JI, et al. **J Appl Bacteriol** 1981 Aug;51(1):85–93

Growth of nutritionally variant streptococci on common laboratory and 10 commercial blood culture media. Reimer LG, et al. **J Clin Microbiol** 1981 Sep;14(3):329–32

Vitamin B6 requirements of nutritionally variant Streptococcus mitior. Schiller NL, et al. **J Clin Microbiol** 1982 Apr;15(4):740–3

Growth of nutritionally variant streptococci on laboratory media supplemented with blood of eight animal species. Reimer LG, et al. **Med Lab Sci** 1982 Jan;39(1):79–81

Mixed culture studies of Streptococcus mitis and oral enterococci. Vernazza TR, et al. **Microbios** 1981; 30(121–122):171–80

[Studies on the usefulness of different disinfectants for the aerosol disinfection of surfaces (author's transl)] Nicklas W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(5):365–73 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Occurrence and specificity of antibodies against group–specific polysaccharides in beta–hemolytic streptococcal infections. Seppälä IJ, et al. **Acta Pathol Microbiol Scand [B]** 1981 Oct;89(5):323–34

Significance of anti–IgG antibodies obtained by immunization of rabbits with some streptococcal strains. Lebrun L, et al. **Ann Immunol (Paris)** 1982 Jan–Feb;133(1):45–56

Specificity of salivary–bacterial interactions: II. Evidence for a lectin on Streptococcus sanguis with specificity for a NeuAc alpha 2, 3Ga1 beta 1, 3Ga1NAc sequence. Murray PA, et al. **Biochem Biophys Res Commun** 1982 May 31; 106(2):390–6

The serological response of foals to vaccination against strangles. Srivastava SK, et al. **Can J Comp Med** 1981 Jan; 45(1):20–5

Immunoglobulin characterization by bacterial absorption of antibrain antibodies in multiple sclerosis. Ryberg B, et al. **Eur Neurol** 1981;20(5):374–9

Reactivity with rabbit immunoglobulin G of cold agglutinins isolated from group C streptococcal antisera. Colling RG, et al. **Infect Immun** 1981 Dec;34(3):828–34

Salivary immunoglobulin A antibodies reacting with antigens from oral streptococci: longitudinal study in humans. Gahnberg L, et al. **Infect Immun** 1981 Sep;33(3):697–703

Detection of human Fc (gamma) receptors on streptococci by indirect immunofluorescence staining: a survey of streptococci freshly isolated from patients. Lebrun L, et al. **J Clin Microbiol** 1982 Jul;16(1):200–1

Direct testing of blood cultures for detection of streptococcal antigens. Wetkowski MA, et al. **J Clin Microbiol** 1982 Jul; 16(1):86–91

An indirect immunofluorescence staining procedure for detection of human Fc gamma receptors on streptococci. Lebrun L, et al. **J Immunol Methods** 1982;48(3):349–58

Properties of cold agglutinin and group carbohydrate–specific antibodies isolated from group C streptococcal antisera. Brown JC, et al. **Mol Immunol** 1982 Mar;19(3):457–65

Immunochemical aspects of Fc–medicated binding of human IgG subclasses to group A, C and G streptococci. Myhre EB, et al. **Mol Immunol** 1980 Dec;17(12):1563–73

Antistreptococcal cell membrane antisera and the antigenicity of glomerular basement membrane. Lange CF, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;

32(1):155–66

[Genetic control of immune response in man. Evidence for the HLA-linked immune suppression gene to streptococcal cell wall antigen (author's transl)] Nishimura Y. **Fukuoka Igaku Zasshi** 1982 Mar;73(3):155–78 (Eng. Abstr.) **(Jpn)**

[Changes in the blood–testis barrier as a result of streptococcal sensitization] Ogurtsov RP, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):98–103 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Acute epiglottitis caused by beta-hemolytic group C Streptococci. Schwartz RH, et al. **Am J Dis Child** 1982 Jun;136(6):558–9

Microbiological examination of sebeel water. Hammad ZH, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1238–43

The streptococcal flora of the tongue of the monkey Macaca fascicularis. Beighton D, et al. **Arch Oral Biol** 1982; 27(4):331–5

The isolation of Streptococcus suis type II from a pig with meningitis [letter] Buddle JR, et al. **Aust Vet J** 1981 Sep; 57(9):437–8

Bacteremia caused by viridans streptococci [letter] Righter J. **Can Med Assoc J** 1982 May 15;126(10):1152

A study of beta-haemolytic streptococci isolated from cases of pyoderma. Prabhakar H, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):171–5

Identification of attached bacteria in the nasopharynx of the child. Lundberg C, et al. **Infection** 1982;10(2):58–62

Degradation of protein by mixed cultures of rumen bacteria: identification of Streptococcus bovis as an actively proteolytic rumen bacterium. Russell JB, et al. **J Anim Sci** 1981 Jul;53(1):242–52

Preliminary identification of beta-hemolytic streptococci in throat swab cultures with a commercial blood agar slide (streptocult). Christensen P, et al. **J Clin Microbiol** 1982 Jun;15(6):981–3

Evaluation of blood culture media for isolation of pyridoxal-dependent Streptococcus mitior (mitis). Gross KC, et al. **J Clin Microbiol** 1981 Sep;14(3):266–72

Clinical significance of viridans streptococci isolated from blood cultures. Swenson FJ, et al. **J Clin Microbiol** 1982 Apr;15(4):725–7

Evaluation of ten commercial blood culture systems to isolate a pyridoxal-dependent streptococcus. Tillotson GS. **J Clin Pathol** 1981 Aug;34(8):930–4

Oral flora of children with 'nursing bottle caries'. van Houte J, et al. **J Dent Res** 1982 Feb;61(2):382–5

Classification and prevalences of plaque streptococci after two years oral use of chlorhexidine. Mikkelsen L, et al. **J Periodont Res** 1981 Nov;16(6):646–58

An effect of communal caging on the streptococcal flora of the dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **Lab Anim** 1982 Jan;16(1):68–70

Bacterial pollution indicators in the intestinal tract of various fish species living an Amir-Kolayeh lagoon. Nuhi A, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(7):566–71

[Evaluation of the latex agglutination test for the identification of beta-haemolytic streptococci (author's transl)] Ramacciotti PG, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):308–15 **(Ita)**

[Isolation of L forms of Streptococcus bovis from blood cultures (author's transl)] Mabuchi K, et al. **Kansenshogaku Zasshi** 1982 Feb;56(2):162–7 (Eng. Abstr.) **(Jpn)**

[Studies on a new selective medium for the isolation of group A, B, C and G hemolytic streptococci (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1981 Jul; 55(7):501–10 (Eng. Abstr.) **(Jpn)**

[An epidemiological survey of Group A-, B-, C- and G-hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part I: Rate of detection and analysis by group and type (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan; 56(1):56–67 (Eng. Abstr.) **(Jpn)**

[An epidemiological survey of Group A-, B-, C-, and G-hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part II: Personal follow-ups (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):68–73 (Eng. Abstr.) **(Jpn)**

[Microbial flora in the early stages of dental plaque: distribution of bacterial types for 12 hours after tooth brushing (author's transl)] Mizuno F, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):329–34 (Eng. Abstr.) **(Jpn)**

[Microbiological evaluation of intravenous infusion residues] Fiebig A, et al. **Pol Tyg Lek** 1981 Sep 21;36(38):1459–62 (Eng. Abstr.) **(Pol)**

[Variability of the serogroups of beta-hemolytic streptococci in groups of adolescents studied in a pilot project] Roşiu I, et al. **Rev Ig [Bacteriol]** 1981 Oct–Dec;26(4):229–33 (Eng. Abstr.) **(Rum)**

[Group representation of beta-hemolytic streptococci isolated from tonsil swabs. (author's transl)] Buranský J, et al. **Bratisl Lek Listy** 1982 Jan;77(1):45–51 (Eng. Abstr.) **(Slo)**

[Infection by beta-hemolytic streptococci. I. Relation of antistreptolysin O titers and the isolation of the micro-organism in healthy and rheumatic individuals] Sanchén Casas A, et al. **Rev Cubana Med Trop** 1981 Jan-Apr;33(1):26–38 (Eng. Abstr.) **(Spa)**

METABOLISM

Biochemical and serological properties of R, S, and RS streptococci. Perch B, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):167–71

Bacteriocin and hemolysin from Streptococcus faecium. Nakagawa S, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):542–4

The production of bacteriocin-like substances by the oral bacterium Streptococcus salivarius. Dempster RP, et al. **Arch Oral Biol** 1982;27(2):151–7

The effect of extracts from human dental plaque, oral streptococci and actinomyces bacteria on HELA cell growth, [3H]-thymidine uptake and 51Cr release. Duguid R, et al. **Arch Oral Biol** 1982;27(1):65–8

Microbial surface interactions: reduction of the haemagglutination activity of the oral bacterium Fusobacterium nucleatum by absorption with Streptococcus and Bacteroides. Falkler WA Jr, et al. **Arch Oral Biol** 1981;26(12):1015–25

Ionic interaction of oral streptococcal bacteria studied by partition in an aqueous polymer two-phase system. Westergren G. **Arch Oral Biol** 1981;26(12):1035–9

Bacteriocin production by Streptococcus milleri. Drucker DB, et al. **Can J Microbiol** 1982 Mar;28(3):278–83

Bacteriocin production by Streptococcus salivarius strain P. Tagg JR, et al. **Can J Microbiol** 1981 Sep;27(9):918–23

Glucose transport in Streptococcus salivarius. Evidence for the presence of a distinct phosphoenolpyruvate: glucose phosphotransferase system which catalyses the phosphorylation of alpha-methyl glucoside. Vadeboncoeur C, et al. **Can J Microbiol** 1982 Feb;28(2):190–9

Glucose incorporation by human dental plaque bacteria. Roberts KR, et al. **Caries Res** 1981;15(6):492–500

Adsorption of lysozyme from human whole saliva by Streptococcus sanguis 903 and other oral microorganisms. Laible NJ, et al. **Infect Immun** 1982 Apr;36(1):148–59

Receptor in group C and G streptococci detects albumin structures present in mammalian species. Widebäck K, et al. **Infect Immun** 1982 May;36(2):469–75

Arginine metabolism in lactic streptococci. Crow VL, et al. **J Bacteriol** 1982 Jun;150(3):1024–32

Lactate efflux-induced electrical potential in membrane vesicles of Streptococcus cremoris. Otto R, et al. **J Bacteriol** 1982 Feb;149(2):733–8

Effect of gramicidin D on the acidogenic properties of oral streptococci and human dental plaque. Vadeboncoeur C, et al. **J Dent Res** 1982 May;61(5):632–5

Transport of H+, K+, Na+ and Ca++ in Streptococcus. Heefner DL. **Mol Cell Biochem** 1982 Apr 30;44(2):81–106 (300 ref.)

Mutagenic activation of an antischistosomal drug by enteric Streptococcus sps in vitro and in vivo. Molineaux CJ, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):129–39

[Influence of physical parameters on the production of streptococcal extracellular proteins in cultures with stabilized pH. I. Communication: pH-dependence of extracellular protein production (author's transl)] Ozegowski JH, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;249(4):466–82 (Eng. Abstr.) **(Ger)**

[Capacity of some streptococcal strains to absorb in a specific manner, fractions of human blood] Savoia D, et al. **G Batteriol Virol Immunol** 1980 Jul-Dec;73(7–12):253–9 (Eng. Abstr.) **(Ita)**

PATHOGENICITY

Comparative cariogenicity of oral streptococci in different strains of gnotobiotic rats. Drucker DB, et al. **Arch Oral Biol** 1981;26(7):625–7

The relative cariogenicity of different streptococci in the gnotobiotic WAG/RIJ rat. Drucker DB, et al. **Arch Oral Biol** 1981;26(7):599–606

Gram-positive microorganisms in sepsis. Holm SE. **Scand J Infect Dis [Suppl]** 1982;31:68–77 (63 ref.)

Virulence factors in streptococci. Wannamaker LW. **Scand J Infect Dis [Suppl]** 1982;31:22–7

[Erythrocyte and lymphocyte interaction with streptococcal L-forms] Eshmantaite NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):74–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bile acid transformation by the intestinal flora and cholesterol saturation in bile. Effects of Streptococcus faecium administration. Salvioli G, et al. **Digestion** 1982;23(2):80–8

Physiology of 'mutans-like' Streptococcus ferus from wild rats. Freedman ML, et al. **Infect Immun** 1982 Feb; 35(2):476–82

Enzymatic modification of bacterial receptors on saliva-treated hydroxyapatite surfaces. Gibbons RJ, et al. **Infect Immun** 1982 Apr;36(1):52–8

Gram-positive bacteria-induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **Infect Immun** 1982 Jul;37(1):336–43

Response of freshly isolated strains of Streptococcus mutans and Streptococcus mitior to change in pH in the presence and absence of fluoride during growth in continuous culture. Hamilton IR, et al. **Infect Immun** 1982 Apr; 36(1):255–62

Isoelectric points and surface hydrophobicity of Gram-positive cocci as determined by cross-partition and hydrophobic affinity partition in aqueous two-phase systems. Miörner H, et al. **Infect Immun** 1982 Apr; 36(1):227–34

Characteristic differences between saliva-dependent aggregation and adhesion of streptococci. Rosan B, et al. **Infect Immun** 1982 Jan;35(1):86–90

Phagocytic and killing activity of human blood, gingival crevicular, and salivary polymorphonuclear leukocytes for oral streptococci. Scully C. **J Dent Res** 1982 May; 61(5):636–9

Development of aggregating ability in cells of Streptococcus mitis ATCC 903 grown under glucose-limiting conditions in continuous culture. Abaas S, et al. **Scand J Dent Res** 1982 Apr;90(2):109–16

[Role of Streptococcus salivarius in maintaining the ecologic balance of the human nasopharynx] Bochkov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):38–41 (Eng. Abstr.) **(Rus)**

STREPTOCOCCUS AGALACTIAE

Prevalence of group B streptococci in parturient mothers and their infants. Naor N, et al. **Eur J Pediatr** 1982 Mar; 138(2):166–7

Functional characteristics of a modified immunoglobulin preparation for intravenous administration: summary of studies of opsonic and protective activity against group B streptococci. Fischer GW, et al. **J Clin Immunol** 1982 Apr;2(2 Suppl):31S–35S

ANALYSIS

Immunological quantitation of bacterial cells using a partition affinity ligand assay: a model study on the quantitation of streptococci B. Ling TG, et al. **Anal Biochem** 1982 May 1;122(1):26–32

Group B, type III streptococcal cell wall: composition and structural aspects revealed through endo-N-acetylmuramidase-catalyzed hydrolysis. De Cueninck BJ, et al. **Infect Immun** 1982 Feb;35(2):572–81

Immunochemical analysis of streptococcal group A, B, and C carbohydrates, with emphasis on group A. Fung JC, et al. **Infect Immun** 1982 Jul;37(1):209–15

CLASSIFICATION

The significance of NT1, NT2, and NT3 antigens in epidemiological investigations of bovine group-B streptococcus infections. Jensen NE, et al. **Acta Vet Scand** 1981;22(3–4):307–14

Presumptive identification of streptococci with a new test system. Facklam RR, et al. **J Clin Microbiol** 1982 Jun; 15(6):987–90

Comparison of the API 20S Streptococcus identification system with an immunorheophoresis procedure and two commercial latex agglutination tests for identifying beta-hemolytic streptococci. Keville MW, et al. **J Clin Microbiol** 1982 Jul;16(1):92–5

Serotyping and bacteriophage typing of human and bovine group-B streptococci. Haug RH, et al. **J Med Microbiol** 1981 Nov;14(4):479–82

Hyaluronidase production, lactose and salicin fermentation and phage-typability in bovine group B Streptococci. Haug RH, et al. **NIPH Ann** 1981 Dec;4(2):69–73

[Groups and types of beta-streptococcus isolated from clinical specimens (author's transl)] Konishi K, et al. **Rinsho Byori** 1981 Nov;29(11):1167–70 **(Jpn)**

DRUG EFFECTS

Synergism, killing kinetics, and antimicrobial susceptibility of group A and B streptococci. Baker CN, et al. **Antimicrob Agents Chemother** 1981 May;19(5):716–25

Comparative in vitro bactericidal activity of cefonicid, ceftizoxime, and penicillin against group B streptococci. Bayer AS, et al. **Antimicrob Agents Chemother** 1982 Feb; 21(2):344–6

pH-dependent penicillin tolerance of group B streptococci. Horne D, et al. **Antimicrob Agents Chemother** 1981 Jul; 20(1):128–35

Hypersusceptibility of penicillin-treated group B streptococci to bactericidal activity of human polymorphonuclear leukocytes. Horne D, et al. **Antimicrob Agents Chemother** 1981 May;19(5):745–53

Activity of moxalactam and cefotaxime alone and in combination with ampicillin or penicillin against group B streptococci. Landesman SH, et al. **Antimicrob Agents Chemother** 1981 May;19(5):794–7

Antagonism of ampicillin and chloramphenicol for meningeal isolates of group B streptococci. Weeks JL, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):281–5

Penicillin tolerance in group B streptococci isolated from infected neonates. Kim KS, et al. **J Infect Dis** 1981 Nov; 144(5):411–9

Recurrent infection associated with penicillin-tolerant group B streptococci: a report of two cases. Siegel JD, et al. **J Pediatr** 1981 Dec;99(6):920–4

[Clinical and bacteriological study on microbial flora in the vagina. (3) Antibiotic susceptibility of group B streptococci isolated from the vagina of women (author's transl)] Ohashi H. **Kansenshogaku Zasshi** 1981 Mar;55(3):171–6 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[A method for the quantitative estimation of antibodies to extracellular esterases produced by group A and B streptococci, and application to the sera of patients with scarlet fever (author's transl)] Hayano S, et al. **Kansenshogaku Zasshi** 1981 May;55(5):339–45 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Effect of time of sample collection, milk composition, and stage of lactation on the growth-promoting properties of milk for Streptococcus agalactiae. Brown RW, et al. **Am J Vet Res** 1982 Jun;43(6):973–8

A prospective study of group B streptococcal colonization in parturient mothers and their infants. Chow KK, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):79–83

Rapid identification of material colonization with group B streptococci by use of fluorescent antibody. Boyer KM, et al. **J Clin Microbiol** 1981 Nov;14(5):550–6

Carriage of group B streptococci during pregnancy: a puzzler. Anthony BF. **J Infect Dis** 1982 Jun;145(6):789–93

Amniotic fluid activity against Bacteroides fragilis and group B streptococci. Evaldson G, et al. **Med Microbiol Immunol (Berl)** 1981;170(1):11–7

Several factors influencing the colonization of group B streptococci—rectum probably the main reservoir. Persson K, et al. **Scand J Infect Dis** 1981;13(3):171–5

IMMUNOLOGY

The Ibc protein fraction of group B streptococci: characterization of protein antigens extracted by HCl. Bevanger L, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):205–9

Functional bacterial opsonic activity of human amniotic fluid. Cone MJ, et al. **Am J Obstet Gynecol** 1982 Feb 1; 142(3):282–7

Conformational aspects critical to the immunospecificity of the type III group B streptococcal polysaccharide. Jennings HJ, et al. **Biochemistry** 1981 Aug 4;20(16):4511–8

Phagocytic and bactericidal activity of human neutrophils against two isolates of Group B streptococci Type Ic of differing pathogenicity. Cleat PH, et al. **Br J Exp Pathol** 1981 Aug;62(4):393–7

Variations in the opsonic requirements of group B streptococcus type III. Hastings MJ, et al. **Br J Exp Pathol** 1981 Oct;62(5):519–25

Bactericidal capacity of newborn phagocytes against group B beta-hemolytic streptococci. Becker ID, et al. **Infect Immun** 1981 Nov;34(2):535–9

Association of type- and group-specific antigens with the cell wall of serotype III group B streptococcus. Doran TI, et al. **Infect Immun** 1982 Jun;36(3):1115–22

Mouse protection assay for group B streptococcus type III. Fleming DO. **Infect Immun** 1982 Jan;35(1):240–7

Lysis of erythrocytes by a hemolysin produced by a group B Streptococcus sp. Marchlewicz BA, et al. **Infect Immun** 1981 Dec;34(3):787–94

Low levels of antibodies to surface antigens of group B streptococci in commercial IgG preparations. Lindén V, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):193–5

Interaction between human neutrophils and group B streptococci (GBS) and group antigens, monitored by Luminol-dependent chemiluminescence. Kowolik MJ, et al. **J Clin Lab Immunol** 1982 May;8(1):55–8

In vitro lymphocyte proliferation in response to type III group B streptococci. Lillie MA, et al. **J Clin Microbiol** 1982 Jul;16(1):111–4

Enzyme-linked immunosorbent assay for measurement of antibody to type III group B streptococci. Polin RA, et al. **J Clin Microbiol** 1982 Jun;15(6):991–3

Monoclonal antibody to streptococcal group B carbohydrate: applications in latex agglutination and immunoprecipitin assays. Ruch FE Jr, et al. **J Clin Microbiol** 1982 Jul; 16(1):145–52

Immunochemical studies on the cell-wall antigen of group B streptococcus, type Ib. Cumming CG, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):477–82

Capsular sialic acid prevents activation of the alternative complement pathway by type III, group B streptococci. Edwards MS, et al. **J Immunol** 1982 Mar;128(3):1278–83

The presence of sialic acid on two related bacterial polysaccharides determines the site of the primary immune response and the effect of complement depletion on the response in mice. Markham RB, et al. **J Immunol** 1982 Jun; 128(6):2731–3

An enzyme-linked immunosorbent assay (ELISA) for human IgG antibody to the type Ia polysaccharide of group B streptococcus. Papierniak CK, et al. **J Lab Clin Med** 1982 Sep;100(3):385–98

Lack of stimulation of isohemagglutinin antibodies by immunization with group B streptococcal (type III) vaccine. Webb BJ, et al. **J Pediatr** 1981 Dec;99(6):918–20

Macrophages and resistance of newborn rats to infection. Schuit KE. **J Reticuloendothel Soc** 1981 Nov;30(5):341–6

Type III group B streptococcal strain differences in susceptibility to opsonization with human serum. Fischer GW, et al. **Pediatr Res** 1981 Dec;15(12):1525–9

Group B streptococcal lung infection in neonatal rabbits. Sherman M, et al. **Pediatr Res** 1982 Mar;16(3):209–12

Role of antibody to native type III polysaccharide of group B Streptococcus in infant infection. Baker CJ, et al. **Pediatrics** 1981 Oct;68(4):544–9

Quantitation of antibodies against group B streptococci, Types Ia, Ib and III in sera from different groups of individuals: high antibody levels in sera from venereal disease clinic patients. Christensen KK, et al. **Scand J Infect Dis** 1981;13(3):165–9

Enzyme-linked immunosorbent assay for Streptococcus agalactiae antibodies in bovine milk. Logan EF, et al. **Vet Rec** 1982 Mar 13;110(11):247–9

ISOLATION & PURIFICATION

Group B streptococcal cellulitis-adenitis in infants. Baker CJ. **Am J Dis Child** 1982 Jul;136(7):631–3

Perinatal group B streptococcal colonization and infection. Allardice JG, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):617–20

Vaginal colonization with Group B beta-hemolytic streptococcus as a risk factor for post-cesarean section febrile morbidity. Minkoff HL, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):992–5

Colonisation of babies and their families by group B streptococci. Weindling AM, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1503–5

The incidence and serotypes of group B-streptococci in dairy cattle. Shigidi MT, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):79–83

Group B streptococci (GBS) in the upper respiratory tract of schoolchildren. Cumming CG, et al. **Health Bull (Edinb)** 1982 Mar;40(2):81–5

Carriage of Streptococcus agalactiae in women and neonates and distribution of serological types: a study in Brazil. Benchetrit LC, et al. **J Clin Microbiol** 1982 May; 15(5):787–90

Group B streptococci—gastrointestinal organisms? Easmon CS, et al. **J Clin Pathol** 1981 Aug;34(8):921–3

Group B streptococcal serotypes correlated with maternal parity and carrier sites [letter] Weindling AM, et al. **J Clin Pathol** 1981 Dec;34(12):1405

The clinical significance of group B streptococci. Christensen KK, et al. **J Perinat Med** 1982;10(3):133–46 (79 ref.)

The CAMP test performed by using Staphylococcus aureus sphingomyelinase (beta-haemolysin) and Clostridium perfringens lecithinase. Holth-Haug R, et al. **NIPH Ann** 1981 Dec;4(2):43–8

Comparative studies of some biochemical properties of human and bovine Streptococcus agalactiae strains. Brglez I. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):457–63

[Use of selective nutrient media for isolating the streptococci that cause mastitis] Filev F, et al. **Vet Med Nauki** 1981; 18(1):39–43 (Eng. Abstr.) **(Bul)**

[Simple and reliable detection of beta-hemolytic streptococci in throat swabs with the streptococcus-isocult] Schaad UB, et al. **Schweiz Med Wochenschr** 1981 Jun 13;111(24):892–7 (Eng. Abstr.) **(Ger)**

[Incidence of Streptococcus agalactiae (group B) in pregnant women before labor and in their newborn infants] Gacs M, et al. **Orv Hetil** 1982 Mar 7;123(10):587–92 **(Hun)**

[Clinical and bacteriological study on microbial flora in the vagina. (4) The influences of lactobacilli to group B Streptococcus (GBS) an other flora and the variations of vaginal microbial flora by age (author's transl)] Ohashi H, et al. **Kansenshogaku Zasshi** 1981 May;55(5):373–80 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Correlation between the production of extracellular substances by type III group B streptococcal strains and virulence in a mouse model. Durham DL, et al. **Infect Immun** 1981 Nov;34(2):448–54

Strain differences in virulence of group B streptococci. Santos JI, et al. **Pediatr Res** 1982 May;16(5):347–50

The multiplication of three different isolates of group B streptococci in pregnant mice. Coid CR, et al. **Placenta** 1981 Jul–Sep;2(3):187–91

PHYSIOLOGY

The adhesion of human and bovine isolates of Streptococcus agalactiae (group B) to bovine mammary gland epithelial cells. Bramley AJ, et al. **J Comp Pathol** 1982 Jan; 92(1):131–7

STREPTOCOCCUS FAECALIS

ANALYSIS

Pyrolysis gas chromatography of Streptococcus faecalis: effect of cultural conditions on pyrochromatograms. Drucker DB, et al. **Microbios** 1982;33(132):93–100

CLASSIFICATION

Inhibition of Lancefield group D enterococci by contamination of a commercial identification medium with paraffins. Butts J, et al. **J Clin Microbiol** 1980 Dec; 12(6):802–4

[Results from the Central Laboratory for Streptococci Research in Kiel from 1965 to 1980 - group D-streptococci (enterococci) (author's transl)] Hahn G. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):431–45 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Susceptibility of enterococci and Listeria monocytogenes to N-Formimidoyl thienamycin alone and in combination with an aminoglycoside. Eliopoulos GM, et al. **Antimicrob Agents Chemother** 1981 May;19(5):789–93

The recent aspects of group D Streptococcus sensitivity to antibiotics. Turcu T, et al. **Arch Roum Pathol Exp Microbiol** 1981 Jul–Sep; 40(3):199–204

Nonspecificity of some commonly used inhibitors of DNA synthesis in cultures of Streptococcus faecalis. Lahti R, et al. **Folia Microbiol (Praha)** 1982;27(1):7–10

The screening of four aminoglycosides in the selective decontamination of the digestive tract in mice. van der Waaij D, et al. **Infection** 1982 Jan;10(1):35–40

Bacterial adhesion in the pathogenesis of infective endocarditis. Effect of subinhibitory antibiotic concentrations on streptococcal adhesion in vitro and the development of endocarditis in rabbits. Scheld WM, et al. **J Clin Invest** 1981 Nov;68(5):1381–4

Antibiotic-induced lysis of enterococci. Storch GA, et al. **J Clin Invest** 1981 Sep;68(3):639–45

Effect of twelve antimicrobial drugs on the colonization resistance of the digestive tract of mice and on endogenous potentially pathogenic bacteria. Wiegersma N, et al. **J Hyg (Lond)** 1982 Apr;88(2):221–30

Aspects of the antibacterial action of diphenyliodonium chloride. Gerami-Nejad M, et al. **Microbios** 1981; 30(120):97–107

[Combined effect of cephalosporins and aminoglycoside antibiotics on strains of group D streptococci] Linda H, et al. **Med Dosw Mikrobiol** 1980;32(4):237–41 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Reversible changes in the activity of inorganic pyrophosphatase of Streptococcus faecalis. The effect of compounds containing SH-groups. Lahti R, et al. **Acta Chem Scand [B]** 1981;35(1):33–8

Reverse and forward reactions of carbamyl phosphokinase from Streptococcus faecalis R. Participation of nucleotides and reaction mechanisms. Pandey VN, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):284–92

The bacterial PEP-dependent phosphotransferase system mechanism of gluconate phosphorylation in Streptococcus faecalis. Bernsmann P, et al. **FEBS Lett** 1982 Feb 8; 138(1):101–3

Modification of aminoglycoside antibiotics by clinical isolates of Streptococcus faecalis. Kono M, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):224–30

Control of enzyme synthesis in the arginine deiminase pathway of Streptococcus faecalis. Simon JP, et al. **J Bacteriol** 1982 Jun;150(3):1085–90

Purification and some properties of inorganic pyrophosphatase from Streptococcus faecalis. Lahti R, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):79–85

Role of glutathione in the regulation of inorganic pyrophosphatase activity in Streptococcus faecalis. Lahti R, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1023–6

Activity changes of inorganic pyrophosphatase of Streptococcus faecalis during batch culture. Lahti R, et al. **J Gen Microbiol** 1981 Jul;125(Pt 1):185–8

ATP-driven sodium pump in Streptococcus faecalis. Heefner DL, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2798–802

GENETICS

Evidence for conjugal transfer of a Streptococcus faecalis transposon (Tn916) from a chromosomal site in the absence of plasmid DNA. Franke AE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:77–80

Genetic and physiological analysis of conjugation in Streptococcus faecalis. Dunny G, et al. **J Bacteriol** 1982 Aug;151(2):855–9

Characterization of two tetracycline resistance determinants in Streptococcus faecalis JH1. LeBlanc DJ, et al. **J Bacteriol** 1982 May;150(2):835–43

Direct stimulation of the transfer of antibiotic resistance by sex pheromones in Streptococcus faecalis. Dunny G, et al. **Plasmid** 1981 Nov;6(3):270–8

GROWTH & DEVELOPMENT

Salt extends the upper temperature limit for growth of food-poisoning bacteria. Tesone S, et al. **Can J Microbiol** 1981 Sep;27(9):970–2

Growth of Streptococcus faecalis var. zymogenes on glycerol: the effect of aerobic and anaerobic growth in the presence and absence of haematin on enzyme synthesis. Pugh SY, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1009–17

Effect of beta-lactam antibiotics of the resistance of the digestive tract of mice to colonization. van der Waaij D, et al. **J Infect Dis** 1982 Sep;146(3):417–22

IMMUNOLOGY

beta-D-Glucose 1-phosphate. A structural unit and an immunological determinant of a glycan from streptococcal cell walls. Pazur JH. **J Biol Chem** 1982 Jan 25;257(2):589–91

[Interest of humoral antibodies assay for diagnosis and survey of urinary tract infections by gram negative bacilli and

streptococcus D in children (author's transl)] Bégué P, et al. **Ann Med Interne (Paris)** 1981;132(5):306–8 (Eng. Abstr.) **(Fre)**

[Immunological reactivity to the products of normal microflora. III. Characteristics of antibodies to the common antigens of enterobacteria, enterococci and bifidobacteria] Vershinina VI. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov;(11):81–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

What is the weanling's dilemma? Hibbert JM, et al. **J Trop Pediatr** 1981 Oct;27(5):255–8

[Isolation of group D streptococci in pyelitis cystica of swine] Iurukov M, et al. **Vet Med Nauki** 1981;18(3):28–32 (Eng. Abstr.) **(Bul)**

[Fecal streptococci as indicators of fecal water contamination. VI. Use of immunofluorescence technic for detection of group D streptococci in the water and sewage] Maleszewska J, et al. **Rocz Panstw Zakl Hig** 1981; 32(3):277–84 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. V. Use of phages for identification of Streptococcus faecalis isolated from sewage, water and soil] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 1981;32(1):17–22 (Eng. Abstr.) **(Pol)**

[Bacterial indicators of fecal pollution in irrigation waters of vegetable gardens supplying the municipality of Natal, State of Rio Grande do Norte (Brazil)] Chagas SD, et al. **Rev Saude Publica** 1981 Dec;15(6):629–42 (Eng. Abstr.) **(Por)**

[Microbiological quality of frozen vegetable foods. II. Indicator microorganisms] Conejo Díaz JA. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug; 53(7–8):1003–30 (Eng. Abstr.) **(Spa)**

METABOLISM

Red cell lysis induced by microorganisms as a case of superoxide- and hydrogen peroxide-dependent hemolysis mediated by oxyhemoglobin. Falcioni GC, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):437–41

Interconversion of components of the bacterial proton motive force by electrogenic potassium transport. Bakker EP, et al. **J Bacteriol** 1981 Sep;147(3):820–6

Second system for potassium transport in Streptococcus faecalis. Kobayashi H. **J Bacteriol** 1982 May;150(2):506–11

[Studies on enzymatic acetylation of chloramphenicol by chloramphenicol-resistant bacteria. GC-mass analysis (author's transl)] Nakagawa Y. **Nippon Saikingaku Zasshi** 1981;36(6):747–55 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

[Etiological role of enterococci in intestinal infections of children] Sedov VI. **Pediatriia** 1981 Sep;(9):71–4 **(Rus)**

PHYSIOLOGY

Phagocytosis and killing of bacteria in aerobic and anaerobic conditions. Ingham HR, et al. **J Med Microbiol** 1981 Nov; 14(4):391–9

[Ion-exchanging ratio and membrane potential in the bacterium S. faecalis] Martirosov SM, et al. **Biofizika** 1982 May–Jun;27(3):467–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiosensitization of microorganisms by radical anions. I. Medium effects. Schubert J, et al. **Int J Radiat Biol** 1981 Aug;40(2):131–41

Radiosensitization of microorganisms by radical anions. II. Streptococcus faecalis. Schubert J, et al. **Int J Radiat Biol** 1981 Aug;40(2):143–51

ULTRASTRUCTURE

Some structural and physiological properties of fimbriae of Streptococcus faecalis. Handley PS, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):289–93

Effect of chromosomal breaks induced by x-irradiation on the number of mesosomes and the cytoplasmic organization of Streptococcus faecalis. Parks LC, et al. **J Mol Biol** 1981 Mar 15;146(4):413–31

STREPTOCOCCUS GROUP A see **STREPTOCOCCUS PYOGENES**

STREPTOCOCCUS GROUP B see **STREPTOCOCCUS AGALACTIAE**

STREPTOCOCCUS LACTIS

ANALYSIS

D-alanine ester-containing glycerophosphoglycolipids in the membrane of gram-positive bacteria. Fischer W. **Biochim Biophys Acta** 1982 May 13;711(2):372–5

CLASSIFICATION

Preliminary attempts at bacteriocin typing of lactic streptococci. Bardowski J, et al. **Acta Microbiol Pol** 1981; 30(3):227–30

DRUG EFFECTS

Novel phosphoenolpyruvate-dependent futile cycle in Streptococcus lactis: 2-deoxy-D-glucose uncouples energy production from growth. Thompson J, et al. **J Bacteriol** 1982 Sep;151(3):1454–65

ENZYMOLOGY

D-tagatose 1,6-diphosphate aldolase from lactic streptococci: purification, properties, and use in measuring intracellular tagatose 1,6-diphosphate. Crow VL, et al. **J Bacteriol** 1982 Aug;151(2):600–8

Distinct galactose phosphoenolpyruvate-dependent phosphotransferase system in Streptococcus lactis. Park YH, et al. **J Bacteriol** 1982 Feb;149(2):420–5

GENETICS

Restriction endonuclease analysis of the lactose plasmid in Streptococcus lactis ML3 and two recombinant lactose plasmids. Walsh PM, et al. **Appl Environ Microbiol** 1982 May;43(5):1006–10

METABOLISM

Arginine metabolism in lactic streptococci. Crow VL, et al. **J Bacteriol** 1982 Jun;150(3):1024–32

Stoichiometry of proton movements coupled to ATP synthesis driven by a pH gradient in Streptococcus lactis. Maloney PC, et al. **J Membr Biol** 1982;66(1):63–75

[Conditions for nisin adsorption by Streptococcus lactis cells] Grushina VA, et al. **Antibiotiki** 1981 Nov;26(11):837–41 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Electron microscopy of Streptococcus lactis phage plaque margins. Moussavi-Jahed Z, et al. **J Gen Virol** 1982 May; 60(Pt 1):147–51

STREPTOCOCCUS MUTANS

Streptococcus mutans approximal plaque index as a new epidemiologic tool for defining the parameters of Streptococcus mutans infection in human populations. Keene HJ, et al. **Arch Oral Biol** 1981;26(5):345–55

Relationship of levels of the bacterium Streptococcus mutans in saliva of children and their parents. van Houte J, et al. **Arch Oral Biol** 1981;26(5):381–6

ANALYSIS

Frequency of the bacterium Streptococcus mutans in the saliva of selected human populations. Togelius J, et al. **Arch Oral Biol** 1982;27(2):113–6

Purification and certain properties of a bacteriocin from Streptococcus mutans. Ikeda T, et al. **Infect Immun** 1982 Mar;35(3):861–8

CLASSIFICATION

A biochemical micromethod to characterize Streptococcus mutans. Oldershaw MD, et al. **Caries Res** 1982;16(2):96–102

Serotype specificity for some biochemical characteristics of Streptococcus mutans. Inoue M, et al. **Microbios** 1982; 33(131):7–14

[Further studies of serological types of Streptococcus mutans (author's transl)] Zheng ZX. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):195–8 **(Chi)**

CYTOLOGY

Feasibility of using automatic image-analysis for measuring deposition of Streptococcus mutans onto glass, in terms of percentage coverage and mean clump size. Verran J, et al. **Microbios** 1980;29(117–118):161–9

Effect of caries preventive measures on Streptococcus mutans and lactobacilli in selected mothers. Köhler B, et al. **Scand J Dent Res** 1982 Apr;90(2):102–8

DRUG EFFECTS

Enhanced transmembrane proton conductance in Streptococcus mutans GS-5 due to ionophores and fluoride. Eisenberg AD, et al. **Antimicrob Agents Chemother** 1981 May;19(5):807–12

Uptake of fluoride and its inhibitory effects in oral microorganisms in culture. Edgar WM, et al. **Arch Oral Biol** 1981;26(7):615–23

Effect of PH and some reagents on the sucrose-independent non-specific sorption of the oral bacterium Streptococcus mutans to glass. Miyasaki KT, et al. **Arch Oral Biol** 1981; 26(9):735–43

Bacteriolysis of Streptococcus mutans BHT by lysozyme and inorganic anions normally present in human saliva. Pollock JJ, et al. **Arch Oral Biol** 1981;26(9):711–6

Influence of dietary disaccharides on mouth microorganisms and experimental dental caries in rats. Schemmel RA, et al. **Arch Oral Biol** 1982;27(6):435–41

Combined effect of iodine and sodium fluoride on dental caries in rats and on viability of Streptococcus mutans in vitro. Caufield PW. **Caries Res** 1981;15(6):484–91

Effect of invert sugar on accumulation of Streptococcus mutans E49 on the teeth of rats. Okuda K, et al. **Caries Res** 1981;15(6):515–8 (14 ref.)

Bactericidal activity of human lactoferrin: differentiation from the stasis of iron deprivation. Arnold RR, et al. **Infect Immun** 1982 Mar;35(3):792–9

Effect of human saliva on the fluoride sensitivity of glucose uptake by Streptococcus mutans. Germaine GR, et al. **Infect Immun** 1981 Dec;34(3):871–9

Interaction of specific and innate factors of immunity: IgA enhances the antimicrobial effect of the lactoperoxidase system against Streptococcus mutans. Tenovuo J, et al. **J Immunol** 1982 Feb;128(2):726–31

Dental caries prevention by traditional Chinese medicines. Part II. Potent antibacterial action of Magnoliae cortex extracts against Streptococcus mutans. Namba T, et al. **Planta Med** 1982 Feb;44(2):100–6

Effect of chlorhexidine gel treatment on Streptococcus mutans population in human saliva and dental plaque. Emilson CG. **Scand J Dent Res** 1981 Jun;89(3):239–46

Effect of penicillin on Streptococcus mutans, Streptococcus sanguis and lactobacilli in hamsters and in man. Maltz M, et al. **Scand J Dent Res** 1982 Jun;90(3):193–9

Effect of intensive treatment with chlorhexidine on number of Streptococcus mutans in saliva. Maltz M, et al. **Scand J Dent Res** 1981 Dec;89(6):445–9

Effect of aqueous solutions of sorbitol-xylitol on plaque metabolism and on growth of Streptococcus mutans. Rölla G, et al. **Scand J Dent Res** 1981 Jun;89(3):247–50

[Antibacterial action against Streptococcus mutans and inhibitory effect on the experimental hamster caries of condensed phosphates (author's transl)] Shibata H. **Fukuoka Igaku Zasshi** 1981 Jun;72(6):379–91 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

A comparative study of extracellular glucanhydrolase and glucosyltransferase enzyme activities of five different serotypes of oral Streptococcus mutans. Felgenhauer B, et al. **Arch Oral Biol** 1982;27(6):455–61

Competitive properties of lactate dehydrogenase mutants of the oral bacterium Streptococcus mutans in the rat. Johnson KP, et al. **Arch Oral Biol** 1982;27(6):513–6

Extracellular hydrolase activity of the cells of the oral bacterium Streptococcus mutans isolated from man and grown on glucose or xylitol. Knuuttila ML, et al. **Arch Oral Biol** 1981;26(11):899–904

Immunization of monkeys (Macaca fascicularis) with purified Streptococcus mutans glucosyltransferase. Russell RR, et al. **Arch Oral Biol** 1981;26(1):23–8

Inhibitory effects of endo-alpha-1,3-glucanase on glucan film formation and glucan synthesis by the glucosyltransferase of the oral bacterium Streptococcus mutans. Takehara T, et al. **Arch Oral Biol** 1981;26(3):217–22

In vivo relationships of the dextran-degrading oral microbiota to Streptococcus mutans and caries experience. Staat RH, et al. **Caries Res** 1982;16(1):18–25

Purification and properties of glucosyltransferase responsible for water-insoluble glucan synthesis from Streptococcus mutans. Fukui K, et al. **Infect Immun** 1982 Jul;37(1):1–9

Purification and properties of pyruvate kinase from Streptococcus mutans. Abbe K, et al. **J Bacteriol** 1982 Jan; 149(1):299–305

Purification of pyruvate formate-lyase from Streptococcus mutans and its regulatory properties. Takahashi S, et al. **J Bacteriol** 1982 Mar;149(3):1034–40

Metabolism of the polysaccharides of human dental plaque: release of dextranase in batch cultures of Streptococcus mutans. Walker GJ, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:201–8

The effect of surfactants upon the activity and distribution of glucosyltransferase in Streptococcus mutans 6715. Wernette CM, et al. **Pharmacol Ther Dent** 1981; 6(3–4):99–107

[Streptococcus mutans glucosyltransferase inhibition by alpha-glucosidase inhibitors] Felgenhauer B, et al. **Dtsch Zahnarztl Z** 1981;36(12):841–4 (Eng. Abstr.) **(Ger)**

GENETICS

Lactate dehydrogenase-deficient mutants of Streptococcus mutans. Hillman JD. **Basic Life Sci** 1982;19:371–81

Plasmid-mediated transformation of Streptococcus mutans. Kuramitsu HK, et al. **Infect Immun** 1982 Apr;36(1):435–6

Isolation and characterization of Streptococcus mutans mutants defective in adherence and aggregation. Murchison H, et al. **Infect Immun** 1981 Dec;34(3):1044–55

Expression of Streptococcus mutans aspartate-semialdehyde dehydrogenase gene cloned into plasmid pBR322. Jagusztyn-Krynicka EK, et al. **J Gen Microbiol** 1982 May; 128 (Pt 5):1135–45

GROWTH & DEVELOPMENT

Oral implantation of saliva-treated Streptococcus mutans in man. Svanberg M, et al. **Arch Oral Biol** 1981;26(3):197–201

Effect of trace metals on growth of Streptococcus mutans in a teflon chemostat. Aranha H, et al. **Infect Immun** 1982 Feb;35(2):456–60

Growth rates of Actinomyces viscosus and Streptococcus mutans during early colonization of tooth surfaces in gnotobiotic rats. Beckers HJ, et al. **Infect Immun** 1982 Feb; 35(2):583–7

Preemption of Streptococcus mutans 10449S colonization by its mutant 805. Tanzer JM, et al. **Infect Immun** 1982 Jan; 35(1):138–42

In vitro effect of tobacco on the growth of oral cariogenic streptococci. Lindemeyer RG, et al. **J Am Dent Assoc** 1981 Nov;103(5):719–22

The stability of Streptococcus mutans populations in the dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **J Appl Bacteriol** 1982 Apr;52(2):191–200

Utilization of hydroxyapatite adsorbable salivary proteins as growth substrates for plaque-forming oral streptococci. Cowman RA, et al. **J Dent Res** 1981 Oct;60(10):1803–8

Regulation of the growth rate of Streptococcus mutans. Cuffini A, et al. **J Dent Res** 1982 Mar;61(3):502–5

Comparative effect of SnF2, NaF, and SnCl2 on the growth of Streptococcus mutans. Mayhew RR, et al. **J Dent Res** 1981 Oct;60(10):1809–14

IMMUNOLOGY

Immunobiology of dental caries: microbial aspects and local immunity. McGhee JR, et al. **Annu Rev Microbiol** 1981; 35:595–638 (188 ref.)

Regulation and specificity of the immune response to an oral Streptococcus mutans antigen by T-cell helper and suppressor factors and B-cell antibodies. Lamb JR, et al. **Arch Oral Biol** 1981;26(9):745–51

Immunisation of monkeys (Macaca fascicularis) with antigens purified from Streptococcus mutans. Russell RR, et al. **Br Dent J** 1982 Feb 2;152(3):81–4

A radioimmunoassay for serum and gingival crevicular fluid antibodies to a purified protein of Streptococcus mutans. Smith R, et al. **Clin Exp Immunol** 1981 Feb;43(2):417–24

Streptococcus mutans serotype g carbohydrate antigen is a B-cell mitogen. Hamada S, et al. **Immunol Lett** 1981 Aug; 3(3):129–32

Comparison fo agglutinin titers for Streptococcus mutans in tears, saliva, and serum. Allansmith MR, et al. **Infect Immun** 1982 Jan;35(1):202–4

Immunization with purified protein antigens from Streptococcus mutans against dental caries in rhesus monkeys. Lehner T, et al. **Infect Immun** 1981 Nov; 34(2):407–15

Specificity of natural antibodies reactive with Streptococcus mutans in monkeys. Russell RR, et al. **Infect Immun** 1982 Feb;35(2):741–4

Examination of Streptococcus mutans for immunoglobulin G Fc reactivity. Shea C, et al. **Infect Immun** 1981 Dec; 34(3):851–5

Ultrastructural location of Streptococcus mutans and Streptococcus sanguis antigens in carious human dentine. Ackermans F, et al. **J Biol Buccale** 1981 Sep;9(3):203–17

Salivary anti-Streptococcus mutans changes over a six-month period in children ages two–five years. Everhart DL, et al. **J Dent Res** 1982 Feb;61(2):386–90

Separation and characterization of a protein antigen from cells of Streptococcus mutans. Zanders ED, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):217–25

Lymphoid cell responses to bacterial cell wall components: polyclonal and immune responses of murine B cells to Streptococcus mutans carbohydrate antigens. Torii M, et al. **J Immunol** 1981 Nov;127(5):2106–12

Effect of calcium on reactions between a salivary agglutinin and a serotype c strain of Streptococcus mutans. Rundegren J, et al. **J Oral Pathol** 1981 Aug;10(4):269–75

Naturally occurring human serum precipitins specific for D-alanyl esters of glycerol teichoic acid. Levine M. **Mol Immunol** 1982 Jan;19(1):133–42

ISOLATION & PURIFICATION

The influence of certain added water-borne trace elements on the percentage bacterial composition of tooth fissure plaque from conventional Sprague-Dawley rats. Beighton D, et al. **Arch Oral Biol** 1981;26(5):419–25

Streptococcus mutans, lactobacilli and dental health in 13–14-year-old Swedish children. Zickert I, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):77–81

Comparison of Streptococcus mutans concentrations in non-banded and banded orthodontic patients. Corbett JA, et al. **J Dent Res** 1981 Dec;60(12):1936–42

The isolation of characterization of Streptococcus mutans serotype h from dental plaque of monkeys (Macaca fascicularis). Beighton D, et al. **J Gen Microbiol** 1981 Jun; 124(Pt 2):271–9

[The association of Streptococcus mutans with human dental caries (author's transl)] Chan Y, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):96–101 (Eng. Abstr.) **(Chi)**

[Ecological and etiological studies on streptococcus mutans (author's transl)] Hamada S. **Nippon Saikingaku Zasshi** 1981 May;36(3):557–64 (33 ref.) **(Jpn)**

METABOLISM

Teflon chemostat for studies of trace metal metabolism in Streptococcus mutans and other bacteria. Strachan RC, et al. **Appl Environ Microbiol** 1982 Jan;43(1):257–60

Effects of high concentrations of L-arginine on acid production, cell yield and viability of the oral bacterium Streptococcus mutans BHT. Delisle AL, et al. **Arch Oral Biol** 1981;26(8):693–6

Lysozyme binding by a polyglycerol phosphate polymer of the oral bacterium Streptococcus mutans BHT. Iacono VJ, et al. **Arch Oral Biol** 1982;27(4):347–54

Glucan synthesis by the oral bacterium streptococcus mutans from caries-active and caries-free naval recruits. Shklair IL, et al. **Arch Oral Biol** 1981;26(8):683–6

Extracellular polysaccharide synthesized by the oral bacterium Streptococcus mutans of serotype a to e in vitro. Trautner K, et al. **Arch Oral Biol** 1981;26(12):1005–13

Morphology of water-insoluble and -soluble glucans of the dental plaque organism Streptococcus mutans AHT and their interaction with the cell surface envelope. Yakushiji T, et al. **Arch Oral Biol** 1981;26(11):931–7

An endodextranase inhibitor from batch cultures of streptococcus mutans. Hamelik RM, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):875–80

The influence of manganese on carbohydrate metabolism and caries induction by Streptococcus mutans strain Ingbritt. Beighton D. **Caries Res** 1982;16(2):189–92

Fluoride accumulation by Streptococcus mutans from a low ionic medium. Mante S, et al. **Caries Res** 1982;16(2):138–46

Kinetics of hydroxyapatite dissolution during incubation with sucrose and Streptococcus mutans and its application to cariogenicity testing. Reynolds EC, et al. **Caries Res** 1981; 15(6):501–7

Structure of extracellular glucans synthesized by Streptococcus mutans of serotypes a–e in vitro. Trautner K, et al. **Caries Res** 1982;16(2):81–9

Properties of Streptococcus mutans Ingbritt growing on limiting sucrose in a chemostat: repression of the phosphoenolpyruvate phosphotransferase transport system. Ellwood DC, et al. **Infect Immun** 1982 May;36(2):576–81

Evidence for the involvement of proton motive force in the transport of glucose by a mutant of Streptococcus mutans strain DR0001 defective in glucose-phosphoenolpyruvate phosphotransferase activity. Hamilton IR, et al. **Infect Immun** 1982 May;36(2):567–75

Influence of sodium and potassium ions on acid production by washed cells of Streptococcus mutans ingbritt and Streptococcus sanguis NCTC 7865 grown in a chemostat. Marsh PD, et al. **Infect Immun** 1982 May;36(2):476–83

Modulation of human lymphocyte transformation by bacterial products and leukocyte lysates. Sela MN, et al. **Inflammation** 1982 Mar;6(1):31–8

Effects of penicillin on synthesis and excretion of lipid and lipoteichoic acid from Streptococcus mutans BHT. Brissette JL, et al. **J Bacteriol** 1982 Aug;151(2):838–44

Characterization of calcifiable proteolipid from Streptococcus mutans. Streckfuss JL, et al. **J Dent Res** 1981 Dec;60(12):1987–92

Insoluble glucan synthesis by mutansucrase as a determinant of the cariogenicity of Streptococcus mutans. Wenham DG, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):407–15

The effect of fluoride on the acid production of Streptococcus mutans and other oral streptococci. Okuda K, et al. **Swed Dent J** 1982;6(1):29–36

['Tooth' non collagenous protein degradation by Streptococcus mutans (author's transl)] Waroux M, et al. **C R Seances Acad Sci [III]** 1982 Feb 15;294(7):313–8 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Demineralisation of human enamel by Streptococcus mutans NCTC 10832 using a sequential batch culture technique. Dummer PM, et al. **Caries Res** 1982;16(2):193–6

Oral ecology and virulence of Lactobacillus casei and Streptococcus mutans in gnotobiotic rats. Michalek SM, et al. **Infect Immun** 1981 Sep;33(3):690–6

PHYSIOLOGY

Two-hour bacterial colonization of dental luting cements in vivo. Orstavik D, et al. **Acta Odontol Scand** 1981; 39(2):115–23

Preferential affinity of oral bacteria for homologous salivary films on dental materials. Orstavik J, et al. **Acta Odontol Scand** 1982;40(1):49–56

Influence of in vitro propagation on the adhesive qualities of Streptococcus mutans isolated from saliva. Orstavik J, et al. **Acta Odontol Scand** 1982;40(1):57–63

beta-haemolysis and pigment production by the oral bacterium Streptococcus mutans. Woltjes J, et al. **Arch Oral Biol** 1982;27(3):279–81

Laser light scattering measurement of dextran-induced Streptococcus mutans aggregation. Ryan V, et al. **Biophys J** 1980 Jul;31(1):113–25

Response of freshly isolated strains of Streptococcus mutans and Streptococcus mitior to change in pH in the presence and absence of fluoride during growth in continuous culture. Hamilton IR, et al. **Infect Immun** 1982 Apr; 36(1):255–62

Adherence and Streptococcus mutans infections: in vitro study with saliva from noninfected and infected preschool children. Köhler B, et al. **Infect Immun** 1981 Nov; 34(2):633–6

Role of interbacterial adherence in colonization of the oral cavities of gnotobiotic rats infected with Streptococcus mutans and Veillonella alcalescens. McBride BC, et al. **Infect Immun** 1981 Aug;33(2):467–72

Pulp response to dental caries induced by Streptococcus mutans. Paterson RC, et al. **Oral Surg** 1982 Jan;53(1):88–92

ULTRASTRUCTURE

Effects of lysozyme and inorganic anions on the morphology of Streptococcus mutans BHT: electron microscopic examination. Cho MI, et al. **J Bacteriol** 1982 Sep; 151(3):1498–507

STREPTOCOCCUS PNEUMONIAE

see related
PNEUMOCOCCAL INFECTIONS

Serological types and antibiotic sensitivity of Streptococcus pneumoniae. El-Falaky IH, et al. **J Egypt Public Health Assoc** 1980;55(1–2):47–55

Granulocyte phagocytosis and killing virulent and avirulent serotypes of Streptococcus pneumoniae. Braconier JH, et al. **J Lab Clin Med** 1982 Aug;100(2):279–87

[On the centenary of the discovery of the pneumococcus] Zhdanova LG. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):3–9 (59 ref.) **(Rus)**

ANALYSIS

The specific capsular polysaccharide of Streptococcus pneumoniae type 9V. Perry MB, et al. **Can J Biochem** 1981 Jul;59(7):524–33

Choline-containing bacteriophage receptors in Streptococcus pneumoniae. Lopez R, et al. **J Bacteriol** 1982 Sep; 151(3):1581–90

Characterization of solubilized products from the cell wall of Streptococcus pneumoniae during autoplast formation. Ohno N, et al. **Microbiol Immunol** 1981;25(12):1229–42

The specific capsular polysaccharide of Streptococcus pneumoniae type 15F. Perry MB, et al. **Mol Immunol** 1982 Feb;19(2):235–46

[Physicochemical and immunochemical characteristics of the polysaccharides of Streptococcus pneumoniae serotype 3] Tsvetkova NV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):66–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Fluorescent antibody technic used for identification and typing of Streptococcus pneumoniae. Wicher K, et al. **Am J Clin Pathol** 1982 Jan;77(1):72–7

Serotypes and antimicrobial susceptibility of Streptococcus pneumoniae in West Germany. Milatović D, et al. **Infection** 1981;9(5):220–2

Identification of Streptococcus pneumoniae by the Phadebact coagglutination test. Burdash NM, et al. **J Clin Microbiol** 1982 Mar;15(3):391–4

Postoperative infection caused by an unusual serotype of Streptococcus pneumoniae associated with multiple drug resistance. O'Donnell ED, et al. **J Clin Microbiol** 1982 May; 15(5):967–8

[Multicenter study on the distribution of Streptococcus pneumoniae strains in Italy] De Bac C, et al. **Boll Ist Sieroter Milan** 1981;60(1):15–20 (Eng. Abstr.) **(Ita)**

[Intraspecies serological classification of Streptococcus pneumoniae] Raginskaia VP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):16–9 (38 ref.) **(Rus)**

[Pneumococcus serotypes in acute and chronic inflammatory lung disease (1978–1980)] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):20–4 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Prevalence of penicillin-resistant pneumococci in Houston, Texas. Krause KL, et al. **Am J Clin Pathol** 1982 Feb; 77(2):210–3

Type 6A pneumococcus resistant to lincomycin and tetracycline, and highly resistant to erythromycin [letter] Figura N, et al. **Ann Sclavo** 1981 Jul–Aug;23(4):486–7

Susceptibility of pneumococci to 14 beta-lactam agents: comparison of strains resistant, intermediate-resistant, and susceptible to penicillin. Ward JI, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):204–7

Meningitis secondary to multiply resistant Streptococcus pneumoniae. Ramsay A. **J Fam Pract** 1982 Jun;14(6):1041–4 (17 ref.)

Multiresistant pneumococci [letter] George RH, et al. **Lancet** 1981 Oct 3;2(8249):751–2

Multiply resistant pneumococcus causing meningitis: its epidemiology within a day-care centre. Radetsky MS, et al. **Lancet** 1981 Oct 10;2(8250):771–3

Streptococcus pneumoniae resistant to penicillin and chloramphenicol in the U.K. [letter] Williams EW, et al. **Lancet** 1981 Sep 26;2(8248):699

Haemophilus influenzae, Pneumococci, group A streptococci and Staphylococcus aureus: sensitivity of outpatient strains to commonly prescribed antibiotics. Forsgren A, et al. **Scand J Infect Dis** 1982;14(1):39–43

[Results of antibiotic sensitivity and 'Streptococcus pneumoniae' serotype tests in the Pitié-Salpêtrière hospital, France, 1979–1980 (author's transl)] Nguyen J, et al. **Rev Fr Mal Respir** 1982;10(2):115–20 (Eng. Abstr.) **(Fre)**

[Appearance in East Germany of a strain of Streptococcus pneumoniae with reduced sensitivity to penicillin] Dinger E, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1001–3 **(Ger)**

ENZYMOLOGY

[Biochemical characteristics of pneumococcal reference strains] Klimenko TV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):47–50

(Eng. Abstr.) (Rus)

GENETICS

In vitro evaluation of the antibiotic susceptibility of Streptococcus pneumoniae: pneumococci relatively resistant to penicillin in Brussels. Vanhoof R, et al. **Acta Clin Belg** 1980;35(6):343–8

Rapid cloning of specific DNA fragments of Streptococcus pneumoniae by vector integration into the chromosome followed by endonucleolytic excision. Méjean V, et al. **Gene** 1981 Nov;15(2–3):289–93

Facilitation of plasmid transfer in Streptococcus pneumoniae by chromosomal homology. Lopez P, et al. **J Bacteriol** 1982 May;150(2):692–701

The use of M1 medium in transformation of Streptococcus pneumoniae. Grist RW, et al. **J Gen Microbiol** 1981 Nov; 127, pt 1:147–54

The effect of both homologous and heterologous DNA on integration efficiencies in pneumococcal transformation. Butler LO, et al. **MGG** 1981;184(1):140–6

Relation between the transforming activity of a marker and its proximity to the end of the DNA particle. Lataste H, et al. **MGG** 1981;183(1):199–201

Nonsense mutations in the amylomaltase gene and other loci of Streptococcus pneumoniae. Weinrauch Y, et al. **MGG** 1981;183(1):7–12

DNase-resistant transfer of chromosomal cat and tet insertions by filter mating in Pneumococcus. Shoemaker NB, et al. **Plasmid** 1980 Jan;3(1):80–7

Transfer of plasmids by conjugation in Streptococcus pneumonias. Smith MD, et al. **Plasmid** 1980 Jan;3(1):70–9

Staphylococcal plasmids that replicate and express erythromycin resistance in both Streptococcus pneumoniae and Escherichia coli. Barany F, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2991–5

Cloning of chromosomal genes in Streptococcus pneumoniae. Stassi DL, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7028–32

Transforming principle of the pneumococcus: Rosetta Stone to the new biology. Atchley WA. **Trans Am Clin Climatol Assoc** 1981;93:22–31

GROWTH & DEVELOPMENT

[Cultivation and serological diagnosis of Str. pneumoniae] Andreeva ZM, et al. **Lab Delo** 1981;(10):616–8 (Eng. Abstr.) (Rus)

[Submerged cultivation of pneumococci] Mokhov IuV. **Lab Delo** 1982;(3):36–8 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Additional correlations of chemical structure and immunological specificity among cross-reactions of pneumococci and Klebsiella. Heidelberger M, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):87–90

C1q binding and complement activation by capsular and cell wall components of S. pneumoniae type XIX. Prellner K. **Acta Pathol Microbiol Scand [C]** 1981 Dec;89(6):359–64

Protein A of Staphylococcus aureus and related immunoglobulin receptors produced by streptococci and pneumonococci. Langone JJ. **Adv Immunol** 1982; 32:157–252 (480 ref.)

Pneumococcal vaccines [letter] Carlson RE, et al. **Am Fam Physician** 1982 Feb;25(2):50, 55

Reformulated Pneumovax available [letter] Krakowshi FM, et al. **Am Fam Physician** 1982 Jun;25(6):50

Use of the pneumococcal vaccine. Satterwhite TK. **Am Fam Physician** 1981 Nov;24(5):209–12

Pneumococcal vaccine failure [letter] Hostetter MK, et al. **Am J Dis Child** 1981 Dec;135(12):1149–50

Response to pneumococcal vaccination in children with nephrotic syndrome. Wilkes JC, et al. **Am J Kidney Dis** 1982 Jul;2(1):43–6

Pneumococcal polysaccharide immunization of children with sickle cell disease. II. Serologic response and pneumococcal disease following immunization. Overturf GD, et al. **Am J Pediatr Hematol Oncol** 1982 Spring;4(1):25–35

Pneumococcal polysaccharide immunization of children with sickle cell disease. I. Clinical reactions to immunization and relationship to preimmunization antibody. Overturf GD, et al. **Am J Pediatr Hematol Oncol** 1982 Spring;4(1):19–23

Blood-group-A-like substances in pneumococcal vaccine [letter] Croft SM, et al. **Ann Intern Med** 1982 Aug;97(2):284

Pneumococcal meningitis—occurrence after vaccination in an elderly patient. Patel KM. **Aust NZ J Med** 1981 Oct; 11(5):564–5

Pneumococcal polysaccharide conformations. Winter WT, et al. **Biopolymers** 1981 Dec;20(12):2691–4

Structural studies of the capsular polysaccharide from Streptococcus pneumoniae type 4. Jansson PE, et al. **Carbohydr Res** 1981 Sep 1;95(1):73–80

Antibody response to pneumococcal vaccine in patients with trisomy-21 (Down's syndrome). Nurmi T, et al. **Clin Exp Immunol** 1982 May;48(2):485–90

Pneumococcal polysaccharide vaccine. Centers for Disease Control, H.E.W., Public Health Service, Atlanta, GA. **Conn Med** 1981 Dec;45(12):779–81

Immune response of neonates to pneumococcal polysaccharide-protein conjugate. Lin KT, et al. **Immunology** 1982 Jun;46(2):333–42

Effect of immunization on the genesis of pneumococcal endocarditis in rabbits. Adler SW 2d, et al. **Infect Immun** 1981 Oct;34(1):55–61

Comparison of the induction of immunoglobulin M and G antibodies in mice with purified pneumococcal type 3 and meningococcal group C polysaccharides and their protein conjugates. Beuvery EC, et al. **Infect Immun** 1982 Jul; 37(1):15–22

Restoration by normal human immunoglobulin G of deficient serum opsonization for Streptococcus pneumoniae in sickle cell disease. Bjornson AB, et al. **Infect Immun** 1981 Aug; 33(2):636–40

Serum antibody and opsonic responses after immunization with pneumococcal vaccine in kidney transplant recipients and controls. Bortolussi R, et al. **Infect Immun** 1981 Oct; 34(1):20–5

Evaluation of Streptococcus pneumoniae type XIV opsonins by phagocytosis-associated chemiluminescence and a bactericidal assay. Gardner SE, et al. **Infect Immun** 1982 Mar;35(3):800–8

Antibody responses in adult volunteers to pneumococcal polysaccharide types 19F and 19A administered singly and in combination. Penn RL, et al. **Infect Immun** 1982 Jun; 36(3):1261–2

Early clearance of pneumococci from the lungs of decomplemented rats. Rehm SR, et al. **Infect Immun** 1982 Apr;36(1):24–9

Cross-immunogenicity of pneumococcal group 9 capsular polysaccharides in adult volunteers. Szu SC, et al. **Infect Immun** 1982 Mar;35(3):777–82

Protection of mice from infection with Streptococcus pneumoniae by anti-phosphocholine antibody. Yother J, et al. **Infect Immun** 1982 Apr;36(1):184–8

Hydrolytic stability of pneumococcal group 6 (type 6A and 6B) capsular polysaccharides. Zon G, et al. **Infect Immun** 1982 Jul;37(1):89–103

Impaired antibody responses to a pneumococcal polysaccharide vaccine in patients with non-Hodgkin's lymphoma in remission. Ballester OF, et al. **J Clin Immunol** 1981 Apr;1(2):90–3

Measurement of immunoglobulin G and M antibodies to type 3 pneumococcal capsular polysaccharide by enzyme-linked immunosorbent assay. Carlson BA, et al. **J Clin Microbiol** 1982 Jul;16(1):63–9

Detection of antibodies to pneumococcal capsular polysaccharides by enzyme-linked immunosorbent assay. Pedersen FK, et al. **J Clin Microbiol** 1982 Mar;15(3):372–8

Detection of 'neutral' type 7F and type 14 pneumococcal capsular polysaccharides by immunoelectrophoresis. Szu SC, et al. **J Clin Microbiol** 1982 Jun;15(6):1172–5

Direct testing of blood cultures for detection of streptococcal antigens. Wetkowski MA, et al. **J Clin Microbiol** 1982 Jul; 16(1):86–91

A role for C-reactive protein in the complement-mediated stimulation of human neutrophils by type 27 Streptococcus pneumoniae. Edwards KM, et al. **J Immunol** 1982 Jun; 128(6):2493–6

Opsonization of pneumococci. I. Heat-labile serum activity other than complement is required for killing by human polymorphonuclear leukocytes. Guckian JC, et al. **J Immunol** 1981 Oct;127(4):1659–65

The fixation of C3b to pneumococcal cell wall polymers as a result of activation of the alternative complement pathway. Hummell DS, et al. **J Immunol** 1981 Oct; 127(4):1287–9

Immunochemical relations between pneumococcal group 19 and Klebsiella capsular polysaccharides. Lee CJ, et al. **J Immunol** 1981 Oct;127(4):1619–23

The presence of sialic acid on two related bacterial polysaccharides determines the site of the primary immune response and the effect of complement depletion on the response in mice. Markham RB, et al. **J Immunol** 1982 Jun; 128(6):2731–3

Inhibitory effect of C-reactive protein on alternative C pathway activation by liposomes and Streptococcus pneumoniae. Mold C, et al. **J Immunol** 1981 Nov; 127(5):2089–92

Complement-induced solubilization of C-reactive protein-pneumococcal C-polysaccharide precipitates: evidence for covalent binding of complement proteins to C-reactive protein and to pneumococcal C-polysaccharide. Volanakis JE. **J Immunol** 1982 Jun;128(6):2745–50

Pneumococcal typing by polyvalent counterimmunoelectrophoresis (PIE). Holliday MG. **J Immunol Methods** 1981;46(2):243–9

A radioimmunoassay for antibody to pneumococcal polysaccharides. Latif AA, et al. **J Immunol Methods** 1982; 49(1):83–8

Response to pneumococcal vaccine in the elderly: no enhancement by indomethacin. Lafferty WP, et al. **J Immunopharmacol** 1981;3(2):241–50

Type-specific vs. cross-protective vaccination for gram-negative bacterial pneumonia. Pennington JE, et al. **J Infect Dis** 1981 Dec;144(6):599–603

Postsplenectomy sepsis in an adult following antipneumococcal immunization. Trooskin SZ, et al. **J Med Soc NJ** 1982 Mar;79(3):1–3

Type-specific antibodies in children with sickle cell anemia given polyvalent pneumococcal vaccine. Kaplan J, et al. **J Pediatr** 1982 Mar;100(3):404–6

Blood group antibodies induced by pneumococcal vaccine [letter] Potter EV. **J Pediatr** 1982 May;100(5):836–7

Pneumococcal-vaccine-induced thrombocytopenia [letter] Citron ML, et al. **JAMA** 1982 Sep 10;248(10):1178

Pneumococcal vaccine [letter] Stollerman GH. **JAMA** 1982 Apr 2;247(13):1809–10

Efficacy of pneumococcal vaccine [letter] Verghese A, et al. **JAMA** 1981 Nov 13;246(19):2155

Pneumococcal vaccination in patients with chronic renal disease and renal allograft recipients. Cosio FG, et al. **Kidney Int** 1981 Aug;20(2):254–8

Anti-A isoagglutinins and pneumococcal vaccine [letter] Noël A. **Lancet** 1981 Sep 26;2(8248):687–8

Pneumococcal vaccine in asthmatics [letter] Goldstein GL. **N Engl J Med** 1982 Jun 24;306(25):1554

Pneumococcal vaccine. McConnell SD. **Nurse Pract** 1982 Mar;7(3):18–20

Immune response to a 14-valent pneumococcal polysaccharide vaccine in the elderly. Schouten J. **Pharmatherapeutica** 1981;3(1):1–5

Some observations on the pneumococcus and on the current status of pneumococcal disease and its prevention. Austrian R. **Rev Infect Dis** 1981 Mar–Apr;3 Suppl:S1–17 (94 ref.)

Studies on vaccine control and immunogenicity of polysaccharides of Streptococcus pneumoniae. Lee CJ, et al. **Rev Infect Dis** 1981 Mar–Apr;3 Suppl:S51–60 (43 ref.)

Adverse reactions to polyvalent pneumococcal vaccine. Pönkä A, et al. **Scand J Infect Dis** 1982;14(1):67–71

Immunogenicity and reactogenicity of new multivalent pneumococcal vaccines. Wiedermann G, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):494–504

[The antipneumococcal vaccine—a second look [editorial] Sachs T. **Harefuah** 1981 Sep;101(5–6):123–4 (Heb)

[Preparation of pneumococcal diagnostic sera] Baturo AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):50–2 (Rus)

[Biological properties of the antigens isolated from Streptococcus pneumoniae serotype 3] Elkina SI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):60–2 (Eng. Abstr.) (Rus)

[Protective activity of antigenic preparations isolated by different methods from Streptococcus pneumoniae serotype 3] Rodionychev EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):30–2 (Eng. Abstr.) (Rus)

[Systemic and local humoral immunity study using the indirect immunofluorescence reaction in chronic inflammatory lung disease patients. II. Serological research results with Haemophilus influenzae autostrains and their comparison with the level of systemic antipneumococcal immunity] Veselova TA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):74–7 (Eng. Abstr.) (Rus)

[Indirect immunofluorescence reaction study of systemic and local humoral immunity in patients with chronic inflammatory lung disease. I. Serological study results with Streptococcus pneumoniae autostrains] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):39–43 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Streptococcus pneumoniae and Haemophilus influenzae in nasal cultures during acute otitis media. Luotonen J. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):295–9

Septic arthritis of the sternoclavicular joint due to gram-positive microorganisms. Friedman RS, et al. **Am J Med Sci** 1981 Sep–Oct;282(2):91–3

Mechanical and cellular bacterial clearance in lung atelectasis. Drinkwater DC Jr, et al. **Ann Thorac Surg** 1981 Sep;32(3):235–43

Pneumococcal serotypes causing bacteremia and meningitis: relevance to composition of pneumococcal vaccine. Dixon JM, et al. **Can Med Assoc J** 1981 Aug 1;125(3):263–7

An aid to the isolation of streptococcus pneumoniae from respiratory secretions. Bhalla P. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec;23(4):189–92

Detection of pneumococci in the upper respiratory tract: comparison of media and culture techniques. Robins-Browne RM, et al. **J Clin Microbiol** 1982 Jul; 16(1):1–3

Characterization of nontypable Streptococcus pneumoniae-like organisms isolated from outbreaks of conjunctivitis. Shayegani M, et al. **J Clin Microbiol** 1982 Jul;16(1):8–14

Comparison of media and culture techniques for detection of Streptococcus pneumoniae in respiratory secretions. Wu SC, et al. **J Clin Microbiol** 1980 Dec;12(6):772–5

A survey of nasal Streptococcus pneumoniae in children. Burr ML, et al. **J Hyg (Lond)** 1982 Jun;88(3):425–31

A longitudinal study of respiratory viruses and bacteria in the etiology of acute otitis media with effusion. Henderson FW, et al. **N Engl J Med** 1982 Jun 10;306(23):1377–83

Clinical studies of pneumococcal vaccines in infants. II. Efficacy and effect on nasopharyngeal carriage. Wright PF, et al. **Rev Infect Dis** 1981 Mar–Apr;3 Suppl:S108–12

The bacteriology of acute otitis media in children with special reference to Streptococcus pneumoniae as studied by bacteriological and antigen detection methods. Luotonen J, et al. **Scand J Infect Dis** 1981;13(3):177–83

METABOLISM

Deficiency of autolytic activity in Bacillus subtilis and Streptococcus pneumoniae is associated with a decreased

permeability of the wall. Williamson R, et al. **J Gen Microbiol** 1981 Aug;125(Pt 2):325–34

Opsonization of pneumococci. II. Metabolic effects of a 'third' human serum activity that mediates intracellular killing. Guckian JC, et al. **J Immunol** 1981 Oct; 127(4):1666–70

Enhancement of autolysis of Streptococcus pneumoniae by lysozyme. Ohno N, et al. **Microbiol Immunol** 1982; 26(4):347–52

PATHOGENICITY

Gram-positive microorganisms in sepsis. Holm SE. **Scand J Infect Dis [Suppl]** 1982;31:68–77 (63 ref.)

[Streptococcus pneumoniae interaction with continuous human cell lines] Gosteva VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):32–6 (Eng. Abstr.) **(Rus)**

[Comparative study of the behavior of capsular and noncapsular pneumococcus variants in the L929 cell culture] Gotvianskaia TP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):36–9 (Eng. Abstr.) **(Rus)**

[Sensitivity of different mouse strains to Streptococcus pneumomiae serotype 3] Vinnik AL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):56–9 (Eng. Abstr.) **(Rus)**

[Virulence of Streptococcus pneumoniae strains isolated in acute and chronic inflammatory lung diseases] Vishniakova LA, et al. **Zh Mikrobiol Epidemiol Imnaunobiol** 1982 Jan; (1):40–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Adherence in the colonization of Streptococcus pneumoniae in the nasopharynx in children. Lundberg C, et al. **Infection** 1982;10(2):63–6

[Physiological characteristics of pneumococci] Gruber IM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec; (12):24–9 (Eng. Abstr.) **(Rus)**

[Biological properties and spread of Streptococcus pneumoniae] Kostiukova NN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):9–16 (75 ref.) **(Rus)**

STREPTOCOCCUS PYOGENES

[Disseminated intravascular coagulation in a rheumatoid patient: a case report (author's transl)] Akai M, et al. **Ryumachi** 1981 Sep;21(5):400–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Large scale preparation of oxidized streptolysin O using molecular filtration. Gazzei G, et al. **Experientia** 1982 May 15;38(5):637–8

Arthropathic properties related to the molecular weight of peptidoglycan–polysaccharide polymers of streptococcal cell walls. Fox A, et al. **Infect Immun** 1982 Mar; 35(3):1003–10

Immunochemical analysis of streptococcal group A, B, and C carbohydrates, with emphasis on group A. Fung JC, et al. **Infect Immun** 1982 Jul;37(1):209–15

In vivo changes in complement induced with peptidoglycan–polysaccharide polymers from streptococcal cell walls. Lambris JD, et al. **Infect Immun** 1982 Jan;35(1):377–80

Isolation of heart- and kidney-binding protein from group A streptococci. Stinson MW, et al. **Infect Immun** 1982 Jan; 35(1):335–42

Formation of molecular complexes between a structurally defined M protein and acylated or deacylated lipoteichoic acid of Streptococcus pyogenes. Ofek I, et al. **J Bacteriol** 1982 Feb;149(2):426–33

Effect of streptococcal lipids on Ehrlich ascite tumor cells. Kigoshi S, et al. **Jpn J Pharmacol** 1981 Apr;31(2):201–9

[Isolation and characterization of erythrogenic toxins of Streptococcus pyogenes 3. communication: comparative studies of type A erythrogenic toxins (author's transl)] Gerlach D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):277–86 (Eng. Abstr.) **(Ger)**

[Studies on the increased capillary permeability by the intracutaneous administration of peptidoglycan fraction extracted from group A streptococcal cell walls (author's transl)] Ohta M. **Nippon Ika Daigaku Zasshi** 1981 Jun; 48(3):402–9 (Eng. Abstr.) **(Jpn)**

[Isolation of lipoteichoic acid from hemolytic Streptococcus group A type 29] Kudrina ES, et al. **Biol Nauki** 1982; (4):93–7 **(Rus)**

CLASSIFICATION

Presumptive identification of streptococci with a new test system. Facklam RR, et al. **J Clin Microbiol** 1982 Jun; 15(6):987–90

Why type streptococci? The epidemiology of group A streptococci in Oxfordshire 1976–1980. Mayon-White RT, et al. **J Hyg (Lond)** 1982 Jun;88(3):439–52

[Annual changes of type distribution patterns of group A streptococci from April 1978 to March 1980 and of the drug resistance from 1974 to 1977 (author's transl)] Miyamoto Y, et al. **Kansenshogaku Zasshi** 1982 Jan; 56(1):14–9 (Eng. Abstr.) **(Jpn)**

[Serotype and antibiotic susceptibilities of Group A hemolytic streptococci isolated in Japan, 1978–1979 (author's transl)] Ohkubo N, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):2–13 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Synergism, killing kinetics, and antimicrobial susceptibility of group A and B streptococci. Baker CN, et al. **Antimicrob Agents Chemother** 1981 May;19(5):716–25

Susceptibility of group A beta-hemolytic Streptococcus isolates to penicillin and erythromycin. Istre GR, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):244–6

Effect of subinhibitory concentrations of antibiotics on the adhesion of Streptococcus pyogenes to pharyngeal epithelial cells. Tylewska S, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):563–6

Current antibiotic susceptibility of group A beta-hemolytic streptococci. Bourbeau P, et al. **J Infect Dis** 1982 Jun; 145(6):916

The bacitracin sensitivity test for identifying beta-haemolytic streptococci of Lancefield group A. Mondkar AD, et al. **J Postgrad Med** 1981 Apr;27(2):86–9

Group A beta-hemolytic streptococcal pharyngitis resistant to erythromycin: case report. Boulter MJ. **Milit Med** 1982 Jan;147(1):62–3

Haemophilus influenzae, Pneumococci, group A streptococci and Staphylococcus aureus: sensitivity of outpatient strains to commonly prescribed antibiotics. Forsgren A, et al. **Scand J Infect Dis** 1982;14(1):39–43

ENZYMOLOGY

Effect of subminimal inhibitory concentrations of penicillin on hyaluronidase production by group A streptococci. Benchetrit LC, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(2):152–6

[A method for the quantitative estimation of antibodies to extracellular esterases produced by group A and B streptococci, and application to the sera of patients with scarlet fever (author's transl)] Hayano S, et al. **Kansenshogaku Zasshi** 1981 May;55(5):339–45 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

[Induction and bacteriological characteristics of group A streptococcal L-forms (author's transl)] Okazaki N, et al. **Nippon Saikingaku Zasshi** 1981 Sep;36(5):695–702 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Cationic polyelectrolytes, liquoid and leukocyte extract modulate the binding of IgG to group A streptococcal Fc-receptors. Ginsburg I, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Apr; 90(2):161–8

IgG-Fc-receptors in T-type 12 group A streptococci from clinical specimens: absence from M-type 12 and presence in M-type 22. Burova LA, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):433–5

IgG F(ab')2 of rabbit anti-M sera but not the unfractionated sera are bactericidal for some group A streptococci with IgG Fc-receptor activity. Opsonic effect ascribable to anti-IgG. Schalén C, et al. **Acta Pathol Microbiol Scand [C]** 1981 Aug;89(4):247–52

Cellular responses of the mouse to the peptidoglycan of a gram-positive bacterium (Streptococcus pyogenes). Caravano R, et al. **Ann Immunol (Paris)** 1981 May-Jun;132 C(3):257–74

Functional and immunological characterization of the stimulation of human lymphocytes with a mitogen from group A streptococci. (SM). Quagliata F, et al. **Cell Immunol** 1982 Mar 15;68(1):146–54

Protein A-like activity and streptococcal cross-reactions. Kingston D. **Clin Exp Immunol** 1981 Oct;46(1):225–8

Action of group A streptococcus extracellular product(s) on the connective tissue of the human heart valve. Goldstein I, et al. **Experientia** 1981 Jul 15;37(7):777–8

Relationship of complement to experimental arthritis induced in rats with streptococcal cell walls. Schwab JH, et al. **Immunology** 1982 May;46(1):83–8

Use of radioimmunoassay for the detection of circulating antistreptococcal antibody in patients with glomerulonephritis. Krzymanski M, et al. **Int Urol Nephrol** 1981;13(3):299–307

Cellular immune responses to extracellular streptococcal products in rheumatic heart disease. Gray ED, et al. **J Clin Invest** 1981 Sep;68(3):665–71

Antiopsonic activity of fibrinogen bound to M protein on the surface of group A streptococci. Whitnack E, et al. **J Clin Invest** 1982 Apr;69(4):1042–5

Quantitative evaluation of variation in composition of the streptozyme agglutination reagent for detection of antibodies to group A streptococcal extracellular antigens. Kaplan EL, et al. **J Clin Microbiol** 1981 Dec;14(6):678–80

Streptococcal group A carbohydrate has properties of both a thymus-independent (TI-2) and a thymus-dependent antigen. Briles DE, et al. **J Immunol** 1982 May; 128(5):2032–5

Monoclonal antibodies to streptococcal group A carbohydrate. I. A dominant idiotypic determinant is located on Vk. Nahm MH, et al. **J Immunol** 1982 Oct; 129(4):1513–8

Reduced antitumor and immune-adjuvant activities of the sub-cellular fractions from Group A Streptococcus. Ryoyama K, et al. **Jpn J Exp Med** 1981 Dec;51(6):335–44

Microbial-mammalian tissue cross-reactivities exemplified by group A streptococci. Zabriskie J. **Recomb DNA Tech Bull** 1981 Sep;4(3):117–20

Reactivity of antistreptococcus hyperimmune sera with human myocardial tissue. Bicová R, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):157–64

[Haptoglobin type, serum concentration of haptoglobin and agglutinating titre against T4-antigen of Streptococcus pyogenes in erysipelas (author's transl)] Göring HD, et al. **Dermatol Monatsschr** 1981 Aug;167(8):492–6 (Eng. Abstr.) **(Ger)**

[Determination of antipolysaccharide antibodies of group A Streptococcus with the radioimmunological method. I. Method of antigen purification] Orecchio F, et al. **Boll Ist Sieroter Milan** 1981 Jul 31;60(3):206–11 **(Ita)**

[Study on group A streptococci T-antibody among primary school children (author's transl)] Ishiguro K. **Kansenshogaku Zasshi** 1981 May;55(5):346–54 (Eng. Abstr.) **(Jpn)**

[Relationship of type specific M antigen content, streptolysin O titer, serological M type and proteinase production of group A streptococci isolated from the patients of scarlet fever (author's transl)] Kobayashi S, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):20–5 (Eng. Abstr.) **(Jpn)**

[Study on T antibody of group A streptococci in human serum with special reference to M antibody (author's transl)] Murai T, et al. **Kansenshogaku Zasshi** 1982 Mar; 56(3):227–39 (Eng. Abstr.) **(Jpn)**

[Studies on streptococcal T antibodies. II. Clinical and epidemiological studies on streptococcal type T4-specific antibody examined by hemagglutination reaction (author's transl)] Takizawa Y, et al. **Kansenshogaku Zasshi** 1982 Jan; 56(1):47–55 (Eng. Abstr.) **(Jpn)**

[Studies on streptococcal T antibodies. I. Basic studies on hemagglutination reaction for determination of streptococcal T antibodies (author's transl)] Takizawa Y, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):37–46 (Eng. Abstr.) **(Jpn)**

[Genetic control of PQ prolongation of the electrocardiogram in the mouse immunized with the killed group A streptococci (author's transl)] Matsunaga K, et al. **Ryumachi** 1981 Mar;21(1):16–21 (Eng. Abstr.) **(Jpn)**

[Cross-reacting antigens of human thymus myoid cells and stable L-forms of group A streptococci] Beletskaia LV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):704–6 (Eng. Abstr.) **(Rus)**

[Detection of a cross-reacting antigen common to multilaminar epithelia and group A streptococcus in cells of human epidermal tumors] Beletskaia LV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):712–4 (Eng. Abstr.) **(Rus)**

[Antibodies to polysaccharides of group A Streptococcus in the sera of patients with myocarditis] Vinogradov AV, et al. **Kardiologiia** 1981 Oct;21(10):80–4 (Eng. Abstr.) **(Rus)**

[Use of the aggregate hemagglutination reaction for detecting the L-form antigens of group A hemolytic Streptococcus and Mycoplasma] Gorina LG, et al. **Lab Delo** 1981; (11):686–8 **(Rus)**

[Clinico-immunological evaluation of the effectiveness of specific hyposensitization in children with allergic diseases] Kuznetsova NI, et al. **Pediatriia** 1982 Feb;(2):35–7 **(Rus)**

[Antigen localization in Streptococcus group A, L forms and revertant by an immunoferritin method] Churilova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):95–8 (Eng. Abstr.) **(Rus)**

[Determination of the antigenic specificity of stable L-forms of group A Streptococcus by different methods] Goncharova SA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):78–80 (Eng. Abstr.) **(Rus)**

[Detection of an antigen of the L-forms of group A hemolytic streptococci in the sera of rheumatic patients following immune complex separation] Gorina LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):42–6 (Eng. Abstr.) **(Rus)**

[Methods of isolating and studying the M protein of group A Streptococci] Savel'ev EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):8–15 (48 ref.) **(Rus)**

[Antibodies against extracellular products of Streptococcus (immunoelectrophoretic study in heart disease patients)] Martínez RD, et al. **Alergia** 1982 Apr;29(2):41–50 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Acute pharyngitis: a symptom scorecard and microbiological diagnosis. Platts P, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):387–8

Streptococcal pharyngitis: evaluation of diagnosis by gram stain in a pediatric acute care clinic. Funamura JL, et al. **Clin Pediatr (Phila)** 1982 Aug;21(8):468–71

Streptococcus sanguis biotype II meningitis in a premature infant. Lilien LD, et al. **Clin Pediatr (Phila)** 1982 Aug; 21(8):465

Screening for group A streptococcus by means of anaerobic primary plate technique. Beerman CA, et al. **J Pediatr** 1982 Jul;101(1):70–2

METABOLISM

Physiological properties of penicillin-binding proteins in group A streptococci. Gutmann L, et al. **Antimicrob Agents Chemother** 1981 May;19(5):872–80

Enzyme-linked immunosorbent assay for detection of type A streptococcal exotoxin: kinetics and regulation during growth of Streptococcus pyogenes. Houston CW, et al. **Infect Immun** 1981 Sep;33(3):862–9

Phage-host interactions and the production of type A streptococcal exotoxin in group A streptococci. McKane L, et al. **Infect Immun** 1981 Dec;34(3):915–9

Phage influence on the synthesis of extracellular toxins in group A streptococci. Nida SK, et al. **Infect Immun** 1982 May;36(2):745–50

Transport of alpha-aminoisobutyric acid by Streptococcus pyogenes and its derived L-form. Reizer J, et al. **J Bacteriol** 1982 Jan;149(1):211–20

Purification and characterization of streptococcal proliferative factor. Rasmussen EO, et al. **J Invest Dermatol** 1981 Aug;77(2):246–9

Effects of trypan blue and related compounds on production and activity of streptolysin S. Taketo Y, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5–6):385–9

PATHOGENICITY

Virulence factors in streptococci. Wannamaker LW. **Scand J Infect Dis [Suppl]** 1982;31:22–7

[Role of hyaluronic acid in the virulence of group A streptococci] Burova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov;(11):44–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The adherence of group A streptococci to oropharyngeal cells: the lipoteichoic acid adhesin and fibronectin receptor. Beachey EH, et al. **Infection** 1982;10(2):107–11

ULTRASTRUCTURE

Streptococcal M protein: alpha-helical coiled-coil structure and arrangement on the cell surface. Phillips GN Jr, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4689–93

STREPTOCOCCUS SANGUIS

ANALYSIS

Isolation of a protein-containing cell surface component from Streptococcus sanguis which affects its adherence to saliva-coated hydroxyapatite. Liljemark WF, et al. **Infect Immun** 1981 Nov;34(2):428–34

CYTOLOGY

Tooth colored dental restorative materials: porosities and surface topography in relation to bacterial adhesion. Skjørland KK, et al. **Acta Odontol Scand** 1982;40(2):113–20

DRUG EFFECTS

Uptake of fluoride and its inhibitory effects in oral microorganisms in culture. Edgar WM, et al. **Arch Oral Biol** 1981;26(7):615–23

Vancomycin prophylaxis of experimental Streptococcus sanguis. Inhibition of bacterial adherence rather than bacterial killing. Bernard JP, et al. **J Clin Invest** 1981 Oct; 68(4):1113–6

Bacterial adhesion in the pathogenesis of infective endocarditis. Effect of subinhibitory antibiotic concentrations on streptococcal adhesion in vitro and the development of endocarditis in rabbits. Scheld WM, et al. **J Clin Invest** 1981 Nov;68(5):1381–4

Effect of penicillin on Streptococcus mutans, Streptococcus sanguis and lactobacilli in hamsters and in man. Maltz M, et al. **Scand J Dent Res** 1982 Jun;90(3):193–9

GENETICS

Genetic transfer of markers for sorbitol (D-glucitol) metabolism in oral streptococci. Westergren G, et al. **Arch Oral Biol** 1981;26(5):403–7

Plasmid transformation of Streptococcus sanguis (Challis) occurs by circular and linear molecules. Behnke D. **MGG** 1981;182(3):490–7

Location of antibiotic resistance determinants, copy control, and replication functions on the double-selective streptococcal cloning vector pGB301. Behnke D, et al. **MGG** 1981;184(1):115–20

Molecular cloning in streptococci: physical mapping of the vehicle plasmid pSM10 and demonstration of intergroup DNA transfer. Malke H, et al. **MGG** 1981;181(2):259–67

GROWTH & DEVELOPMENT

In vitro effect of tobacco on the growth of oral cariogenic streptococci. Lindemeyer RG, et al. **J Am Dent Assoc** 1981 Nov;103(5):719–22

IMMUNOLOGY

Effects of local immunization of hamsters with glucosyltransferase antigens from Streptococcus sanguis on dental caries caused by Streptococcus mutans. Smith DJ, et al. **Arch Oral Biol** 1981;26(11):871–8

Ultrastructural location of Streptococcus mutans and Streptococcus sanguis antigens in carious human dentine. Ackermans F, et al. **J Biol Buccale** 1981 Sep;9(3):203–17

Whole-bacterial cell enzyme-linked immunosorbent assay for Streptococcus sanguis fimbrial antigens. Elder BL, et al. **J Clin Microbiol** 1982 Jul;16(1):141–4

ISOLATION & PURIFICATION

Septic sternoclavicular arthritis with Pasteurella multocida and Streptococcus sanguis. Nitsche JF, et al. **Arthritis Rheum** 1982 Apr;25(4):467–9

METABOLISM

Blood-group-reactive glycoprotein from human saliva interacts with lipoteichoic acid on the surface of Streptococcus sanguis cells. Hogg SD, et al. **Arch Oral Biol** 1982;27(3):261–8

Preliminary fractionation of fluoride-binding constituents of human oral Streptococcus sanguis. Katayama T, et al. **Arch Oral Biol** 1981;26(4):341–2

Adsorption of lysozyme from human whole saliva by Streptococcus sanguis 903 and other oral microorganisms. Laible NJ, et al. **Infect Immun** 1982 Apr;36(1):148–59

Influence of sodium and potassium ions on acid production by washed cells of Streptococcus mutans ingbritt and Streptococcus sanguis NCTC 7865 grown in a chemostat. Marsh PD, et al. **Infect Immun** 1982 May;36(2):476–83

Positive coooperativity in the binding of Streptococcus sanguis to hydroxylapatite. Nesbitt WE, et al. **Infect Immun** 1982 Jan;35(1):157–65

Production of lipoteichoic acid by lactobacilli and streptococci grown in different environments. Wicken AJ, et al. **Infect Immun** 1982 Jun;36(3):864–9

PHYSIOLOGY

Microbial adhesion to surfaces with different surface charges. Larsson K, et al. **Acta Odontol Scand** 1981;39(2):79–82

Inhibitors of coaggregation between Actinomyces viscosus T14V and Streptococcus sanguis 34: beta-galactosides, related sugars, and anionic amphipathic compounds. McIntire FC, et al. **Infect Immun** 1982 Apr;36(1):371–8

Chemostat studies of the effect of environmental control on Streptococcus sanguis adherence to hydroxyapatite. Rosan B, et al. **Infect Immun** 1982 Jan;35(1):64–70

A competence specific inducible protein promotes in vivo recombination in Streptococcus sanguis. Raina JL, et al. **MGG** 1982;185(1):21–9

ULTRASTRUCTURE

Surface fibrils may be responsible for the salivary glycoprotein-mediated aggregation of the oral bacterium Streptococcus sanguis. Hogg SD, et al. **Arch Oral Biol** 1981;26(11):945–9

Isolation and analysis of sacculi from Streptococcus sanguis. Reusch VM Jr. **J Bacteriol** 1982 Sep;151(3):1543–52

STREPTODORNASE see **DEOXYRIBONUCLEASE**

STREPTODORNASE AND STREPTOKINASE

ADMINISTRATION & DOSAGE

Instillation of fibrinolytic enzymes in the treatment of pleural empyema. Fraedrich G, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):36–8

IMMUNOLOGY

Evaluation of the activity of anti-inflammatory agents by means of skin tests (M.S.U., SK-SD): comparison with clinical results. Ferraccioli GF, et al. **Eur J Rheumatol Inflamm** 1981;4(1):49–52

Effect of organic solvents in the course of professional exposure on the E rosette test and skin reactions against distreptase and tuberculin. Moszczyński P. **Folia Haematol (Leipz)** 1982;109(2):224–9

Production of antibodies specific for Fc, Fab', and streptokinase-streptodornase in vitro by peripheral blood cells from patients with rheumatoid arthritis and normal donors. Identification of immune complexes in culture supernatants containing hidden antibodies reactive with Fab' fragments of immunoglobulin G. Birdsall HH, et al. **J Clin Invest** 1982 Jan;69(1):75–84

PHARMACODYNAMICS

Activation of natural killer cells in vitro by a product of beta-hemolytic streptococci. Tomar RH, et al. **Cell Immunol** 1982 May 15;69(2):388–94

THERAPEUTIC USE

Comparison of dextranomer and streptokinase-streptodornase in the treatment of venous leg ulcers and other infected wounds. Hulkko A, et al. **Ann Chir Gynaecol** 1981;70(2):65–70

[Conservative treatment of anal cryptitis and fissure as well as anal thrombosis with a streptokinase-streptodornase gel] Frank W, et al. **ZFA (Stuttgart)** 1982 Apr 30;58(12):713–6 **(Ger)**

STREPTOGRAMINS see **VIRGINIAMYCINS**

STREPTOKINASE

see related

STREPTODORNASE AND STREPTOKINASE

Catabolic pathways for streptokinase, plasmin, and streptokinase activator complex in mice. In vivo reaction of plasminogen activator with alpha 2-macroglobulin. Gonias SL, et al. **J Clin Invest** 1982 Aug;70(2):412–23

[Different reactivity of UK- and SK-activated plasmin against two fluorogenic substrates for plasmin (author's transl)] Suzuki K, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):690–8 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effects of intracoronary streptokinase in acute myocardial infarction. Cowley MJ, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1149–58

Efficacy of percutaneous transluminal coronary recanalization utilizing streptokinase thrombolysis in patients with acute myocardial infarction. Lee G, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1159–67

Evaluation of the effectiveness of intracoronary streptokinase infusion in acute myocardial infarction: postprocedure management and hospital course in 204 patients. Merx W, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1181–7

Successful treatment of acute myocardial infarction shock by combined percutaneous transluminal coronary recanalization (PTCR) and percutaneous transluminal coronary angioplasty (PTCA). Meyer J, et al. **Am Heart J** 1982 Jan;103(1):132–4

Changes in left ventricular function after intracoronary streptokinase infusion in clinically evolving myocardial infarction. Rentrop P, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1188–93

Percutaneous transluminal coronary recanalization: procedure, results, and acute complications. Rutsch W, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1178–81

Effects of nonsurgical coronary reperfusion on the left ventricle in human subjects compared with conventional treatment. Study of 18 patients with acute myocardial infarction treated with intracoronary infusion of streptokinase. Rentrop KP, et al. **Am J Cardiol** 1982 Jan; 49(1):1–8

Thrombolytic therapy for a thrombosed Bjork-Shiley tricuspid valve prosthesis. Hellestrand KJ, et al. **Clin Cardiol** 1982 May;5(5):347–50

Intracoronary streptokinase in evolving infarction. Gold HK, et al. **Hosp Pract** 1981 Sep;16(9):105–9, 112, 117–9

Selective intra-arterial streptokinase therapy in the immediate postoperative period. Chaise LS, et al. **JAMA** 1982 May 7;247(17):2397–400

New trials to further evaluate intracoronary use of streptokinase [news] Gunby P. **JAMA** 1982 Aug 20; 248(7):805–6, 811

Emergency coronary artery recanalisation in acute myocardial infarction. Sammel NL, et al. **Med J Aust** 1982 Apr 17;1(8):345–6

Intracoronary thrombolysis with streptokinase in acute myocardial infarction [ietter] **N Engl J Med** 1982 Feb 4; 306(5):300–2

Practical proposal for lowering the mortality of acute myocardial infarction [letter] Dotter CT. **N Engl J Med** 1982 Oct 7;307(15):953

Segmental renal artery emboli treated with low-dose intra-arterial streptokinase. Rudy DC, et al. **Urology** 1982 Apr;19(4):410–3

[Is intracoronary streptokinase administration a new treatment method for coronary thrombosis?] van den Brand M, et al. **Ned Tijdschr Geneeskd** 1981 Sep 19;125(38):1513–9 **(Dut)**

[Intracoronary thrombolytic treatment in the acute phase of myocardial infarction (author's transl)] Guerot C, et al. **Nouv Presse Med** 1982 Feb 6;11(6):425–8 (Eng. Abstr.) **(Fre)**

[Reopening, by in situ injection of streptokinase, a brachial artery thrombosed by catheterization (letter)] Valeix B, et al. **Nouv Presse Med** 1982 Jan 30;11(4):278–9 **(Fre)**

[Intracoronary streptokinase in acute myocardial infarct] Mathey DG. **Dtsch Med Wochenschr** 1981 Dec 4; 106(49):1643 **(Ger)**

[Local fibrinolysis in basilar artery thrombosis (author's transl)] Zeumer H, et al. **Dtsch Med Wochenschr** 1982 May 14;107(19):728–31 (Eng. Abstr.) **(Ger)**

[Scintigraphic and angiographic control of high-dose local streptokinase treatment of central pulmonary emboli (author's transl)] Thämmig R, et al. **ROFO** 1982 Jun; 136(6):673–8 (Eng. Abstr.) **(Ger)**

[Catheter thrombolysis in pulmonary artery embolism. Wagner V, et al. **ROFO** 1982 Feb;136(2):223–4 **(Ger)**

[Comparative fibrinogen determination by artificial in vitro fibrinogen lysis with regard to fibrinogen split products] Kätzel R, et al. **Z Med Lab Diagn** 1981;22(3):138–43 (Eng. Abstr.) **(Ger)**

[Acute massive pulmonary embolism, leading to clinical death, treated with superdoses of fibrinolytics] Deli L, et al. **Orv Hetil** 1981 Jul 5;122(27):1659–61 **(Hun)**

[Intravenous infusions of streptokinase in acute myocardial infarct] Schröder R, et al. **Minerva Cardioangiol** 1982 Mar; 30(3):133–42 (Eng. Abstr.) **(Ita)**

[Effect of streptokinase, traskolan and sefril on the

development of experimental osteomyelitis. I. Evaluation of local bone changes] Hajduk A, et al. **Patol Pol** 1981; 32(2):225–31 **(Pol)**

[Use of streptodecase in acute myocardial infarct] Chazov EI, et al. **Kardiologiia** 1981 Dec;21(12):10–4 (Eng. Abstr.) **(Rus)**

[Administration of thrombolytic mixtures by superselective catheterization of the affected coronary artery for thrombolysis in acute myocardial infarct] Malinovskiĭ NN, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):63–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Contrast extravasation through Dacron grafts: a sequela of low-dose streptokinase therapy. Rabe FE, et al. **AJR** 1982 May;138(5):917–20

Serum sickness following streptokinase therapy. Totty WG, et al. **AJR** 1982 Jan;138(1):143–4

ISOLATION & PURIFICATION

Streptokinase and staphylokinase. Jackson KW, et al. **Methods Enzymol** 1981;80 Pt C:387–94

METABOLISM

Catabolic pathways for streptokinase, plasmin, and streptokinase activator complex in mice. In vivo reaction of plasminogen activator with alpha 2-macroglobulin. Gonias SL, et al. **J Clin Invest** 1982 Aug;70(2):412–23

The amidolytic activity of the SK-plasminogen complex is enhanced by a potentiator which is generated in the presence of vascular plasminogen activator--role of fibrin degradation products. Soria J, et al. **Thromb Haemost** 1982 Jun 28;47(3):193–6

PHARMACODYNAMICS

Enhancement of the streptokinase-catalyzed activation of human plasminogen by human fibrinogen and its plasminolysis products. Strickland DK, et al. **Biochemistry** 1982 Feb 16;21(4):721–8

The influence of various combinations of plasminogen and streptokinase on fibrinolysis. Gaffney PJ, et al. **Haemostasis** 1981;10(6):304–14

The influence of various combinations of plasminogen and streptokinase on fibrinolysis. II. A mechanistic study. Gaffney PJ, et al. **Haemostasis** 1982;11(1):2–11

In vitro enhancement of AA-degrading activity in human plasma with the plasminogen activator streptokinase. Skogen B, et al. **Scand J Immunol** 1981 Dec;14(6):637–41

The evaluation of plasmin and streptokinase activator complexes in a new rabbit model of venous thrombosis. Dupe RJ, et al. **Thromb Haemost** 1981 Aug 28;46(2):528–34

The thrombolytic activity of streptokinase in the rabbit. English PD, et al. **Thromb Haemost** 1981 Aug 28; 46(2):535–7

A comparison of acylated streptokinase-plasminogen complex and streptokinase in healthy volunteers. Prowse CV, et al. **Thromb Haemost** 1982 Apr 30;47(2):132–5

Streptokinase inhibits sympathetic neurotransmission in isolated blood vessels of the dog. Janssens W, et al. **Thromb Res** 1981 Nov 1;24(3):253–7

On the fibrinolytic and thrombolytic properties of active-site p-anisoylated streptokinase-plasminogen complex (BRL 26921). Matsuo O, et al. **Thromb Res** 1981 Nov 15; 24(4):347–58

Potentiation of the activation of Glu-plasminogen by streptokinase and urokinase in the presence of fibrinogen degradation products. Takada A, et al. **Thromb Res** 1982 Feb 1;25(3):229–35

The enhancement of streptokinase activation of plasminogen by nonionic detergents and by serum albumin. Tang J, et al. **Thromb Res** 1981 Nov 15;24(4):359–65

[Effect of streptokinase as a fibrinolytic drug on aminotransferase activity in vivo and in vitro] Gumińska M, et al. **Folia Med Cracov** 1980;22(3–4):341–8 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Activation of Glu-plasminogen by urokinase in the presence of fibrinogen, fibrin, and SK-potentiator. Takada A, et al. **Thromb Res** 1981 May 15;22(4):497–501

Influence of SK-potentiator and fibrinogen degradation products on the activation of human plasminogen by streptokinase. Takada A, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):623–31

THERAPEUTIC USE

Streptokinase of heparin in the treatment of deep vein thrombosis. Follow-up results of a prospective study. Arnesen H, et al. **Acta Med Scand** 1982;211(1–2):65–8

Streptokinase in acute myocardial infarction. **Acta Med Scand [Suppl]** 1981;648:1–117

Intracoronary thrombolysis in acute myocardial infarction: experimental background and clinical experience. Ganz W, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1145–9

Successful streptokinase therapy of acute idiopathic superior vena cava thrombosis. Herrera JL, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1063–4

Coronary thrombolysis by intravenous streptokinase in clinical acute myocardial infarction. Lee G, et al. **Am Heart J** 1981 Oct;102(4):783–6

Experimental reversal of acute coronary thrombotic occlusion and myocardial injury in animals utilizing streptokinase. Lee G, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1139–44

Intracoronary streptokinase thrombolytic recanalization and subsequent surgical bypass of remaining atherosclerotic stenosis in acute myocardial infarction: complementary combined approach effecting reduced infarct size, preventing reinfarction, and improving left ventricular function. Mathey DG, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1194–201

Coronary artery reperfusion in acute myocardial infarction: beneficial effects of intracoronary streptokinase on left ventricular salvage and performance. Reduto LA, et al. **Am Heart J** 1981 Dec;102(6 Pt 2):1168–77

Personal reflections on the development of thrombolytic therapy and its application to acute coronary thrombosis. Sherry S. **Am Heart J** 1981 Dec;102(6 Pt 2):1134–8

Intracoronary thrombolysis in acute myocardial infarction: correlations among serum enzyme, scintigraphic and hemodynamic findings. Schwarz F, et al. **Am J Cardiol** 1982 Jul;50(1):32–8

Supraselective fibrinolysis in acute myocardial infarction. Merx W, et al. **Bibl Haematologica** 1981;47:205–12

Thrombolysis in acute myocardial infarction using intracoronary streptokinase: assessment by thallium-201 scintigraphy. Schuler G, et al. **Circulation** 1982 Sep; 66(3):658–64

The use of thrombolytic therapy in venous thromboembolic disease. Rubin RN. **Conn Med** 1981 Sep;45(9):551–4

Treatment of chronic inflammatory processes of the male genital tract using a combination of demethylchlortetracycline and fibrinolytic enzymes. Dondero F, et al. **Farmaco [Prat]** 1982 Feb;37(2):41–54

Management of evolving myocardial infarction by intracoronary thrombolysis and subsequent aorta-coronary bypass. Krebber HJ, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):186–93

Emergency fibrinolytic treatment of thrombosed prosthetic heart valves [letter] Olson GW, et al. **Lancet** 1982 May 15;1(8281):1122

New heart attack treatment discussed [news] Kolata G. **Science** 1981 Dec 11;214(4526):1229–30

[Intracoronary thrombolysis. A case report] Bennett JM, et al. **S Afr Med J** 1982 Apr 3;61(14):524–6 (Eng. Abstr.) **(Afr)**

[Arterial occlusion following angioplasty treated with local administration of streptokinase] Haapanen A, et al. **Duodecim** 1982;98(8):618–22 **(Fin)**

[Selective thrombolysis in acute myocardial infarction: evaluation of functional result by metabolic studies and perfusion imaging (author's transl)] Pachinger O, et al. **Acta Med Austriaca** 1982;9(2):65–71 (Eng. Abstr.) **(Ger)**

[Fibrinolytic treatment of acute and subacute thromboses of the deep veins of the shoulder girdle (author's transl)] Theiss W, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):933–6 (Eng. Abstr.) **(Ger)**

[Animal experiments on direct drug effects on disseminated intravascular coagulation (DIC) in asphyxic shock] Niedner W, et al. **Folia Haematol (Leipz)** 1981;108(4):588–96 (Eng. Abstr.) **(Ger)**

[Thrombolytic treatment of deep leg and pelvic vein thromboses] Breddin HK, et al. **Internist (Berlin)** 1982 Jul; 23(7):410–6 **(Ger)**

[Systemic and selective streptokinase therapy in arterial occlusions] Hess H. **Internist (Berlin)** 1982 Jul;23(7):405–9 **(Ger)**

[Heparin, streptokinase or surgical therapy in manifest thromboembolic diseases] Bruhn HD. **Med Welt** 1982 Jan 15;33(2):62–5 (30 ref.) **(Ger)**

[Practical angiology, part 3. Local lysis] Marshall M. **MMW** 1982 Mar 5;124(9):100–1 **(Ger)**

[Differential treatment of acute peripheral arterial embolism with special reference to local lytic therapy] Pöhlmann G, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):243–5 **(Ger)**

[Recanalization by intracoronary infusion of streptokinase in acute myocardial infarction. Hospital course in 204 patients (author's transl)] Merx W, et al. **Z Kardiol** 1982 Jan; 71(1):14–20 (Eng. Abstr.) **(Ger)**

[Early and late changes of left ventricular function after non-surgical reperfusion (by intracoronary streptokinase infusion) in evolving myocardial infarction (author's transl)] Rentrop P, et al. **Z Kardiol** 1982 Jan;71(1):2–6 (Eng. Abstr.) **(Ger)**

[Effect of intracoronary fibrinolysis on left ventricular diastolic function in patients with acute myocardial infarction (author's transl)] Schwarz F, et al. **Z Kardiol** 1981 Aug;70(8):583–9 (Eng. Abstr.) **(Ger)**

[Local low-dose streptokinase therapy of shunt thrombosis in chronic hemodialysis patients] Grohmann G, et al. **Z Urol Nephrol** 1981 Aug;74(8):597–601 (Eng. Abstr.) **(Ger)**

[Ventricle function after intracoronary fibrinolysis treatment of the fresh heart infarct] Schwarz F, et al. **ZFA (Stuttgart)** 1981 Nov 30;57(33):2300–5 **(Ger)**

[Fibrinolytic therapy of phlegmasia coerulea dolens] Kéki K, et al. **Orv Hetil** 1981 Jun 7;122(23):1377–9 **(Hun)**

[Successful thrombolytic therapy of thrombosis caused by the Björk-Shiley mitral valve prosthesis] Nagy ES, et al. **Orv Hetil** 1981 Aug 30;122(35):2161–7 **(Hun)**

[Effect of the new Soviet thrombolytic preparation streptodecase on the fibrinolysis system] Chazov EI, et al. **Kardiologiia** 1981 Aug;21(8):18–21 (Eng. Abstr.) **(Rus)**

[Use of streptase in acute thromboses of the major veins] Il'in VN, et al. **Sov Med** 1981;(6):100–3 **(Rus)**

[Streptodecase--a new Soviet thrombolytic long-acting agent] Chazov EI, et al. **Ter Arkh** 1981;53(9):79–84 (Eng. Abstr.) **(Rus)**

[Hemolytic-uremic syndrome. Thrombolytic therapy] Gutierrez JA, et al. **Rev Clin Esp** 1981 Jul 15–31; 162(1–2):55–8 **(Spa)**

STREPTOLYDIGIN see under **ANTIBIOTICS**

STREPTOLYSINS

ANALYSIS

[Haemagglutination and haemolytic-inhibition reaction with streptolysin O (author's transl)] Bozděch V, et al. **Cas Lek Cesk** 1982 Apr 9;121(14):428–33 (Eng. Abstr.) **(Cze)**

[Relationship of type specific M antigen content, streptolysin O titer, serological M type and proteinase production of group A streptococci isolated from the patients of scarlet fever (author's transl)] Kobayashi S, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):20–5 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Effects of trypan blue and related compounds on production and activity of streptolysin S. Taketo Y, et al. **Z Naturforsch [C]** 1982 May-Jun;37(5–6):385–9

IMMUNOLOGY

Antistreptolysin O response to streptolysin O in rats. Gupta RK. **Indian J Pathol Microbiol** 1981 Oct;24(4):213–5

[Thiol-dependent cytolytic bacterial toxins: streptolysin O and prominent toxins] Alouf JE. **Arch Inst Pas'eur Tunis** 1981 Sep-Dec;58(3):355–73 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Large scale preparation of oxidized streptolysin O using molecular filtration. Gazzei G, et al. **Experientia** 1982 May 15;38(5):637–8

PHARMACODYNAMICS

Effect of streptolysin S on liposomes. Influence of membrane lipid composition on toxin action. Duncan JL, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):6–12

Effects of pneumolysin on human polymorphonuclear leukocytes and platelets. Johnson MK, et al. **Infect Immun** 1981 Oct;34(1):171–6

Early and late events in streptolysin-O induced hemolysis. Fehrenbach FJ, et al. **Toxicon** 1982;20(1):233–8

[Experimental study of the inducing action of streptococcal pathogenic factors on immunity and cellular autoimmunity] Voicoulesco C, et al. **Rev Rhum Mal Osteoartic** 1981 Dec; 48(12):781–6 (Eng. Abstr.) **(Fre)**

[Effect of streptolysin O on the Purkinje fibers of the heart in dogs] Valenzuela F, et al. **Arch Inst Cardiol Mex** 1981 Jul-Aug;51(4):319–25 (Eng. Abstr.) **(Spa)**

STREPTOMYCES

ANALYSIS

Inhibition of prolyl hydroxylase activity and collagen biosynthesis by the anthraquinone glycoside, P-1894B, an inhibitor produced by Streptomyces albogriseolus. Ishimaru T, et al. **Biochem Pharmacol** 1982 Mar 15; 31(6):915–9

Studies on carbohydrate binding to a lectin purified from Streptomyces sp. Fujita-Yamaguchi Y, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):86–92

Isolation and characterization of covalently closed circular DNA associated with chromosomal and membrane fraction from Streptomyces ambofaciens. Ikeda H, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):497–506

New semisynthetic antitumor antibiotics, SF-1739 HP and naphthocyanidine. Itoh J, et al. **J Antibiot (Tokyo)** 1982 May;35(5):642–4

A new antistreptolysin, M-9337, from actinomycetes. Miyamura S. **J Antibiot (Tokyo)** 1981 Apr;34(4):472–3

Penicillin-binding proteins in Streptomyces strains. Nakazawa H, et al. **J Antibiot (Tokyo)** 1981 Aug; 34(8):1070–2

2-Ethyl-5-(3-indolyl)oxazole from Streptomyces cinnamomeus discovered by chemical screening. Characterization and structure elucidation by X-ray analysis. Noltemeyer M, et al. **J Antibiot (Tokyo)** 1982 May; 35(5):549–55

Extraction and characterization of plasmids from macrolide antibiotic-producing streptomycetes. Omura S, et al. **J Antibiot (Tokyo)** 1981 Apr;34(4):478–82

Oxanosine, a novel nucleoside from actinomycetes. Shimada N, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1216–8

New mitomycin, 10-decarbamoyloxy-9-dehydromitomycin B from Streptomyces caespitosus. Urakawa C, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):243–4

[Determination of p-aminoacetophenone and changes in its

levels in a levorin producer depending on culture conditions] Aleksintseva OA, et al. **Antibiotiki** 1981 Aug; 26(8):566–70 (Eng. Abstr.) **(Rus)**

[Identification and the physicochemical characteristics of the extrachromosomal DNA from a Streptomyces antibioticus strain] Orlova VA, et al. **Antibiotiki** 1981 Sep;26(9):655–9 (Eng. Abstr.) **(Rus)**

[Structure of cell-wall teichoic acids in Streptomyces roseoflavus var. roseofungini and its Nocardia-like variant] Skoblilova NK, et al. **Mikrobiologiia** 1981 Nov–Dec; 50(6):1037–41 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Is the colour of the mature aerial mycelium (spore mass) of streptomycetes a diagnostic key-character of decisive taxonomic importance? Sivonen K, et al. **Acta Microbiol Acad Sci Hung** 1981;28(4):401–5

Taxonomical study of the reference strain of Streptomyces erythreus. Ričicová A. **Folia Microbiol (Praha)** 1982; 27(2):93–101

Asparenomycins A, B and C, new carbapenem antibiotics. I. Taxonomic studies on the producing microorganisms. Kawamura Y, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):10–4

Novel polyether antibiotics X-14667A and X-14667B from Streptomyces cinnamonensis subsp. urethanofaciens. Discovery, fermentation, biological as well as ionophore properties and taxonomy of the producing culture. Liu C, et al. **J Antibiot (Tokyo)** 1981 Oct;34(10):1241–8

X-14766A, a halogen containing polyether antibiotic produced by Streptomyces malachitofuscus subsp. downeyi ATCC 31547. Discovery, fermentation, biological properties and taxonomy of the producing culture. Liu CM, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):133–8

DRUG EFFECTS

Resistance mechanisms of kanamycin-, neomycin-, and streptomycin-producing streptomycetes to aminoglycoside antibiotics. Hotta K, et al. **J Antibiot (Tokyo)** 1981 Sep; 34(9):1175–82

Sensitivity and permeability of the anthramycin producing organism Streptomyces refuineus to anthramycin and structurally related antibiotics. Rokem JS, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1171–4

Self-resistance of a Streptomyces which produces istamycins. Yamamoto H, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):824–9

Biochemical characterization of resistance determinants cloned from antibiotic-producing streptomycetes. Thompson CJ, et al. **J Bacteriol** 1982 Aug;151(2):678–85

Mutagenicity of chemicals of industry and agricultural relevance in Salmonella, Streptomyces and Aspergillus. Principe P, et al. **J Sci Food Agric** 1981 Aug;32(8):826–32

[Cooperative functioning of 2 systems of protection against its own antibiotic in Str. erythreus 1571, a superproducer of erythromycin] Griaznova NS, et al. **Antibiotiki** 1982 Feb; 27(2):105–17 (Eng. Abstr.) **(Rus)**

[Mutagenesis in Streptomycete cultures exposed to bleomycin] Lapchinskaia OA, et al. **Antibiotiki** 1982 Feb; 27(2):147–50 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Properties of S-adenosyl-L-methionine:macrocin O-methyltransferase in extracts of Streptomyces fradiae strains which produce normal or elevated levels of tylosin and in mutants blocked in specific O-methylations. Seno ET, et al. **Antimicrob Agents Chemother** 1981 Sep; 20(3):370–7

Phenoxazinone synthase from Streptomyces antibiotics: purification of the large and small enzyme forms. Choy HA, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):55–65

Isolation and characterization of an acyl-coenzyme A carboxylase from an erythromycin-producing Streptomyces erythreus. Hunaiti AR, et al. **Arch Biochem Biophys** 1982 Jun;216(1):362–71

The exocellular beta-lactamase of Streptomyces albus G. Purification, properties and comparison with the exocellular DD-carboxypeptidase. Duez C, et al. **Biochem J** 1981 Jan 1;193(1):75–82

Interaction between non-classical beta-lactam compounds and the Zn2+-containing G and serine R61 and R39 D-alanyl-D-alanine peptidases. Kelly JA, et al. **Biochem J** 1981 Oct 1;199(1):129–36

Interactions between non-classical beta-lactam compounds and the beta-lactamases of Actinomadura R39 and Streptomyces albus G. Kelly JA, et al. **Biochem J** 1981 Oct 1;199(1):137–43

Studies on the primary structures of the exocellular D-alanyl-D-alanine peptidases of Streptomyces strain R61 and Actinomadura strain R39. Duez C, et al. **Biochim Biophys Acta** 1981 Dec 29;671(2):109–16

Nutrient utilization in actinomycetes. Induction of alpha-glucosidases in Streptomyces venezuelae. Chatterjee S, et al. **Can J Microbiol** 1981 Jul;27(7):639–45

Interaction between monobactams and Streptomyces R61 DD-carboxypeptidase. Georgopapadakou NH, et al. **Eur J Biochem** 1982 Jun;124(3):507–12

Effect of inorganic phosphate and benzyl thiocyanate on the activity of anhydrotetracyline oxygenase in Streptomyces aureofaciens. Běhal V, et al. **Folia Microbiol (Praha)** 1982; 27(2):102–6

Properties of apyrase and inorganic pyrophosphatase in Streptomyces aureofaciens. Curdová E, et al. **Folia Microbiol (Praha)** 1982;27(3):159–66

Role of phosphatases in the biosynthesis of chlortetracycline in Streptomyces aureofaciens. Jechová V, et al. **Folia Microbiol (Praha)** 1982;27(3):153–8

Srinivasan's coagulation test in taxonomically classified streptomycetes. Ričicová A, et al. **Folia Microbiol (Praha)** 1982;27(2):87–92

Purification and properties of extracellular xylan hydrolases of Streptomyces exfoliatus. Sreenath HK, et al. **Folia Microbiol (Praha)** 1982;27(2):107–15

Interaction of beta-lactamase of Streptomyces cacaoi. II. CP-45,899, izumenolide and cephamycins. Mantoku A, et al. **J Antibiot (Tokyo)** 1981 Oct;34(10):1347–50

Interaction of beta-lactamase of Streptomyces cacaoi. I. Clavulanic acid and PS-5. Ogawara H, et al. **J Antibiot (Tokyo)** 1981 Oct;34(10):1341–6

Purification and properties of urate oxidase fror Streptomyces cyanogenus. Ohe T, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1769–76

Alkylation of a ribonuclease from Streptomyces erythreus with iodoacetate and iodoacetamide. Ohgi K, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):113–23

Biosynthesis of nanaomycin. II. Purification and properties of nanaomycin D reductase involved in the formation of nanaomycin A from nanaomycin D1. Omura S, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):355–62

Static and kinetic studies on the binding of Streptomyces trehalase inhibitor SGI with Rhizopus glucoamylase. Comparison with glucose and gluconolactone. Tanaka A, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):1–9

The three-dimensional structure of the lysozyme produced by Streptomyces erythraeus. Harada S, et al. **J Biol Chem** 1981 Nov 25;256(22):11600–2

Expression of the Streptomyces enzyme endoglycosidase H in Escherichia coli. Robbins PW, et al. **J Biol Chem** 1981 Oct 25;256(20):10640–4

Site of action of a ribosomal RNA methylase conferring resistance to thiostrepton. Thompson J, et al. **J Biol Chem** 1982 Jul 25;257(14):7915–7

Secretion of tyrosinase in Streptomyces glaucescens. Crameri R, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):371–9

Endo-beta-N-acetylglucosaminidase L from Streptomyces plicatus. Trimble RB, et al. **Methods Enzymol** 1982;83 Pt D:603–10

Preliminary crystal structure analysis of a microbial, guanine-specific ribonuclease St at 2.5 A resolution. Yamamoto Y, et al. **Nucleic Acids Symp Ser** 1981; (10):227–31

Regulation of steroid 16alpha-hydroxylation in Streptomyces olivoviridis. Długoński J, et al. **Z Allg Mikrobiol** 1981; 21(7):499–506

Properties of L-asparaginase in cell-free extracts of Streptomyces karnatakensis. Mostafa SA. **Zentralb Mikrobiol** 1982;137(1):63–71

[Selection of prospective Streptomyces genus strains producing the enzyme glucose isomerase] Stoichev M, et al. **Acta Microbiol Bulg** 1981;8:57–62 (Eng. Abstr.) **(Bul)**

[Effect of the pH and temperature in the isomerization process on the enzyme glucose isomerase produced by 2 Streptomyces sp. strains] Stoichev M, et al. **Acta Microbiol Bulg** 1981;8:63–8 (Eng. Abstr.) **(Bul)**

[Role of metal ions in D-glucose and D-fructose isomerization by a glucose isomerase produced by 2 strains of streptomyces sp.] Stoichev M, et al. **Acta Microbiol Bulg** 1981;9:29–34 (Eng. Abstr.) **(Bul)**

[Variability of beta-1,3/1,4-glucanglucanohydrolase-forming Streptomyces narbonensis induced by UV rays and mitomycin C] Elinov NP, et al. **Mikrobiologiia** 1982 Mar–Apr;51(2):318–23 (Eng. Abstr.) **(Rus)**

[Comparative study of methods for isolating glucose isomerase from Streptomyces albogriseolus mycelium] Gavristov AV, et al. **Mikrobiologiia** 1981 Jul–Aug; 50(4):626–30 (Eng. Abstr.) **(Rus)**

[Optimization of the composition of the medium for thrombolytic enzyme biosynthesis in pure and mixed cultures] Gesheva VI, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):206–11 (Eng. Abstr.) **(Rus)**

[Enzyme activity of an actinomycete producer of carotenes and macrotetrolides] Nefelova MV, et al. **Mikrobiologiia** 1982 Mar–Apr;51(2):202–5 (Eng. Abstr.) **(Rus)**

[Endo-N-acetylglucosaminidase formed by Streptomyces levoris] Shchelkova NS, et al. **Mikrobiologiia** 1981 May–Jun;50(3):453–7 (Eng. Abstr.) **(Rus)**

[Enzymolysis of microscopic and yeast-like fungi by an Actinomyces griseinus 11 preparations] Vorotilo SP, et al. **Prikl Biokhim Mikrobiol** 1981 Sep–Oct;17(5):669–75 **(Rus)**

GENETICS

Genetics and biochemistry on tylosin production: a model for genetic engineering in antibiotic-producing Streptomyces. Baltz RH. **Basic Life Sci** 1982;19:431–44

Gene cloning in Streptomyces. Chater KF, et al. **Curr Top Microbiol Immunol** 1982;96:69–95 (55 ref.)

Restriction mapping of the DNA of the Streptomyces temperate phage phi C31 and its derivatives. Chater KF, et al. **Gene** 1981 Aug;14(3):183–94

Isolation and characterization of Streptomyces fradiae plasmids which are prophage of the actinophage phiSF1. Chung ST. **Gene** 1982 Mar;17(3):239–46

Partial characterization of a small, multiple-copy plasmid from Streptomyces espinosus and the derivation of a high copy-number deletion mutant. Manis JJ, et al. **Gene** 1982 Apr;18(1):13–20

Genetic and biochemical features of spiramycin biosynthesis in Streptomyces ambofaciens—curing, protoplast regeneration and plasmid transfer. Ikeda H, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):507–16

Protoplast fusion permits high-frequency transfer of a Streptomyces determinant which mediates actinomycin synthesis. Ochi K. **J Bacteriol** 1982 May;150(2):592–7

Small DNA-free liposomes stimulate transfection of streptomyces protoplasts. Rodicio MR, et al. **J Bacteriol** 1982 Sep;151(3):1078–85

Plasmid loss and changes within the chromosomal DNA of Streptomyces reticuli. Schrempf H. **J Bacteriol** 1982 Aug; 151(2):701–7

Cloning of antibiotic resistance and nutritional genes in streptomycetes. Thompson CJ, et al. **J Bacteriol** 1982 Aug; 151(2):668–77

Protoplast fusion in Streptomyces: conditions for efficient genetic recombination and cell regeneration. Baltz RH, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:137–46

Genetic stability of differentiated functions in Streptomyces hygroscopicus in relation to conditions of continuous culture. Roth M, et al. **J Gen Microbiol** 1982 Jan;128 (Pt 1):107–14

Excision of chromosomal DNA sequences from Streptomyces coelicolor forms a novel family of plasmids detectable in Streptomyces lividans. Bibb MJ, et al. **MGG** 1981;184(2):230–40

pIJ101, a multi-copy broad host-range Streptomyces plasmid: functional analysis and development of DNA cloning vectors. Kieser T, et al. **MGG** 1982;185(2):223–8

Restriction of streptomyces phage SH5 by endonuclease ShyI from Streptomyces hygroscopicus 0477. Klaus S, et al. **MGG** 1981;184(2):286–8

Reiterated DNA sequences in a mutant strain of Streptomyces glaucescens and cloning of the sequence in Escherichia coli. Ono H, et al. **MGG** 1982;186(1):106–10

Occurrence of reiterated DNA sequences in strains of Streptomyces produced by an interspecific protoplast fusion. Robinson M, et al. **MGG** 1981;182(2):336–40

Streptomyces in the ascendant [news] Chater KF. **Nature** 1982 Sep 2;299(5878):10–11

Liposome-mediated transformation of streptomycetes by chromosomal DNA. Makins JF, et al. **Nature** 1981 Oct 22;293(5834):671–3

Analysis of linear plasmids isolated from Streptomyces: association of protein with the ends of the plasmid DNA. Hirochika H, et al. **Plasmid** 1982 Jan;7(1):59–65

Where are the antibiotic producing genes? Sermonti G, et al. **Riv Biol** 1982 Spring;75(1):67–85 **(Eng, Ita)**

[Selection of the productive variants in a culture of Streptomyces olivoreticuli 16749, the producer of olivomycin] L'vova NA, et al. **Antibiotiki** 1981 Dec; 26(12):890–3 **(Rus)**

[Genetic instability of the production of antibiotic substances controlled by the SCP2 plasmid of Streptomyces coelicolor A3(2)] Danilenko VN, et al. **Genetika (Moskva)** 1982 Mar; 18(3):399–408 (Eng. Abstr.) **(Rus)**

[Interspecies recombination in Streptomyces griseus, Streptomyces olivaceus and Streptomyces coelicolor] Shevchenko AA, et al. **Mikrobiol Zh** 1982 Jan–Feb; 44(1):3–7 (Eng. Abstr.) **(Rus)**

[Restriction mapping of plasmid pSa1, isolated from Streptomyces albus G strain] Orekhov AV, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1258–63 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Use of automated image analysis for screening the efficiency of turimycin-producing Streptomyces strains] Mühlig P, et al. **Z Allg Mikrobiol** 1981;21(8):591–600 (Eng. Abstr.) **(Ger)**

[Quantitative mycelial growth and antibiotic biosynthesis patterns in actinomycete producers of heliomycin] Kozhevina LS, et al. **Antibiotiki** 1981 Nov;26(11):807–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Thermophilic microorganisms of Alpine regions. 1. Contribution: a thermophilic actinomycetes from the Dachstein, Austria (author's transl)] Lauwers AM, et al. **Mikroskopie** 1982 Jan;39(1–2):14–27 (Eng. Abstr.) **(Ger)**

METABOLISM

Properties of Streptomyces fradiae mutants blocked in biosynthesis of the macrolide antibiotic tylosin. Baltz RH, et al. **Antimicrob Agents Chemother** 1981 Aug;20(2):214–25

Regulation of cephamycin C synthesis, aspartokinase, dihydrodipicolinic acid synthetase, and homoserine dehydrogenase by aspartic acid family amino acids in Streptomyces clavuligerus. Mendelovitz S, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):74–84

S-Adenosyl-L-methionine: macrocin O-methyltransferase activities in a series of Streptomyces fradiae mutants that produce different levels of the macrolide antibiotic tylosin. Seno ET, et al. **Antimicrob Agents Chemother** 1982 May; 21(5):758–63

Mode of antibiotic action of 4-hydroxy-3-nitrosobenzaldehyde from Streptomyces

viridans. Yang CC, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):558–62

Accumulation of 6-deoxyerythronolide B in a normal strain of Streptomyces erythreus and hydroxylation at carbon 6 of the erythranolide ring system by a soluble noninduced cell-free enzyme system. Corcoran JW, et al. **Biochemistry** 1982 Jan 19;21(2):263–9

Stereospecificity of the enzymatic dehydrogenation in the biosynthesis of 3-ethylidene-L-azetidine-2-carboxylic acid from isoleucine by Streptomyces cacaoi. Hill RK, et al. **Biochemistry** 1981 Nov 24;20(24):7040–2

Glutamate as the common precursor for the aglycon of the naturally occurring C-nucleoside antibiotics. Suhadolnik RJ, et al. **Biochemistry** 1981 Nov 24;20(24):7042–6

Effects of carbon and nitrogen supplementation on lignin and cellulose decomposition by a Streptomyces. Barder MJ, et al. **Can J Microbiol** 1981 Aug;27(8):859–63

Catabolite repression in Streptomyces venezuelae. Induction of beta-galactosidase, chloramphenicol production, and intracellular cyclic adenosine 3',5'-monophosphate concentrations. Chatterjee S, et al. **Can J Microbiol** 1982 Mar;28(3):311–7

Concerning the mode of action of micrococcin upon bacterial protein synthesis. Cundliffe E, et al. **Eur J Biochem** 1981 Aug;118(1):47–52

A new streptomycete and a new polyene antibiotic, acmycin. Chakrabarti S, et al. **Folia Microbiol (Praha)** 1982; 27(3):167–72

A glutamic acid producing Streptomyces sp. Chatterjee S, et al. **Folia Microbiol (Praha)** 1982;27(2):116–20

Role of glycolysis, TCA cycle & some amino acids in the biosynthesis of antibiotic AS-40. Shoukry S, et al. **Indian J Exp Biol** 1981 Dec;19(12):1146–9

6"-Deamino-6"-hydroxy derivatives, as intermediates in the biosynthesis of neomycin and paromomycin. Autissier D, et al. **J Antibiot (Tokyo)** 1981 May;34(5):536–43

Isolation of lavendamycin, a new antibiotic from Streptomyces lavendulae. Balitz DM, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):259–65

Antitumor agents from Streptomyces anandii: gilvocarcins V, M and E. Balitz DM, et al. **J Antibiot (Tokyo)** 1981 Dec;34(12):1544–55

The detection of members of the olivanic acid family in Streptomyces gedanensis. Box SJ, et al. **J Antibiot (Tokyo)** 1981 May;34(5):600–1

New anthracycline glycosides:
4-O-demethyl-11-deoxydoxorubicin and analogues from Streptomyces peucetius var. aureus. Cassinelli G, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):176–83

Studies on the biosynthesis of clavulanic acid. III. Incorporation of DL-[3,4-13C2]glutamic acid. Elson SW, et al. **J Antibiot (Tokyo)** 1982 Jan;35(1):81–6

Metabolic products of microorganisms. 207. Haloquinone, a new antibiotic active against halobacteria. I. Isolation, characterization and biological properties. Ewersmeyer-Wenk B, et al. **J Antibiot (Tokyo)** 1981 Dec; 34(12):1531–7

Metabolic products of microorganisms. 200 Isolation and characterization of niphithricins A, B, and elaiophylin, antibiotics produced by Streptomyces violaceoniger. Fiedler HP, et al. **J Antibiot (Tokyo)** 1981 Sep; 34(9):1107–18

New anthracycline antibiotics, 1-hydroxyauramycins and 1-hydroxysulfurmycins. Fujiwara A, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):912–5

Oganomycin A, a new cephamycin-type antibiotic produced by Streptomyces oganonensis and its derivatives, oganomycins B, GA and GB. Gushima H, et al. **J Antibiot (Tokyo)** 1981 Nov;34(11):1507–12

Biosynthesis of vineomycins A1 and B2. Imamura N, et al. **J Antibiot (Tokyo)** 1982 May;35(5):602–8

A novel beta-lactamase inhibitor, SF-2103 A produced by a Streptomyces. Ito T, et al. **J Antibiot (Tokyo)** 1982 Apr; 35(4):533–5

Oligostatins, new antibiotics with amylase inhibitory activity. I. Production, isolation and characterization. Itoh J, et al. **J Antibiot (Tokyo)** 1981 Nov;34(11):1424–8

Hydroxylation of ansamitocin P-3. Izawa M, et al. **J Antibiot (Tokyo)** 1981 Dec;34(12):1591–5

Cyclization of
delta-(L-alpha-aminoadipyl)-L-cysteinyl-D-valine to penicillins by cell-free extracts of Streptomyces clavuligerus. Jensen SE, et al. **J Antibiot (Tokyo)** 1982 Apr; 35(4):483–90

Novel fermentation products from Streptomyces fradiae: X-ray crystal structure of 5-O-mycarosyltylactone and proof of the absolute configuration of tylosin. Jones ND, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):420–5

Tetronomycin, a novel polyether of unusual structure. Keller-Juslén C, et al. **J Antibiot (Tokyo)** 1982 Feb; 35(2):142–50

Cystathionine gamma-lyase activity in the cephamycin C producer Streptomyces lactamdurans. Kern BA, et al. **J Antibiot (Tokyo)** 1981 May;34(5):583–9

The identification of 3-amino-5-hydroxybenzoic acid as a new natural aromatic amino acid. Kibby JJ, et al. **J Antibiot (Tokyo)** 1981 May;34(5):605–7

Biosynthesis of aklavinone and aclacinomycins. Kitamura I, et al. **J Antibiot (Tokyo)** 1981 Nov;34(11):1498–500

Enzymatic modification of hygromycin B in Streptomyces hygroscopicus. Leboul J, et al. **J Antibiot (Tokyo)** 1982 Apr;35(4):527–8

New anthracycline metabolites from mutant strains of Streptomyces galilaeus MA144-M1. II. Structure of 2-hydroxyaklavinone and new aklavinone glycosides. Matsuzawa Y, et al. **J Antibiot (Tokyo)** 1981 Aug; 34(8):959–64

Interspecific recombination among aminoglycoside producing streptomycetes. Mazieres N, et al. **J Antibiot (Tokyo)** 1981 May;34(5):544–50

Virantmycin, a new antiviral antibiotic produced by a strain of Streptomyces. Nakagawa A, et al. **J Antibiot (Tokyo)** 1981 Nov;34(11):1408–15

Antitumor activity of an antibiotic identical with or closely related to xanthomycin A. Nishimura T, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):856–61

A potent prolyl hydroxylase inhibitor, P-1894B, produced by a strain of Streptomyces. Okazaki H, et al. **J Antibiot (Tokyo)** 1981 Oct;34(10):1355–6

New anthracyclines, feudomycins, produced by the mutant from Streptomyces coeruleorubidus ME130-A4. Oki T, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):783–90

New anthracycline antibiotic, 2-hydroxyaclacinomycin A. Oki T, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):916–8

Microbial conversion of daunomycin, carminomycin I and feudomycin A to adriamycin. Oki T, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1229–31

Mutants of Streptomyces cattleya producing N-acetyl and deshydroxy carbapenems related to thienamycin. Rosi D, et al. **J Antibiot (Tokyo)** 1981 Mar;34(3):341–3

Importance of antibiotic production in antagonism of selected Streptomyces species to two soil-borne plant pathogens. Rothrock CS, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):830–5

A new antibiotic echinosporin (XK-213) - producing organism, isolation and characterization. Sato T, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):266–71

Antrimycin, a new peptide antibiotic. Shimada N, et al. **J Antibiot (Tokyo)** 1981 Dec;34(12):1613–4

New antitumor antibiotics: 13-methylaclacinomycin A and its derivatives. Soga K, et al. **J Antibiot (Tokyo)** 1981 Jun; 34(6):770–3

Trioxacarcins, novel antitumor antibiotics. II. Isolation, physico-chemical properties and mode of action. Tamaoki T, et al. **J Antibiot (Tokyo)** 1981 Dec;34(12):1525–30

Asparenomycin A, a new carbapenem antibiotic. Tanaka K, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):909–11

Cadeguomycin, a noval nucleoside analog antibiotic. I. The producing organism, production and isolation of cadeguomycin. Tanaka N, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):272–8

Trioxacarcins, novel antitumor antibiotics. I. Producing organism, fermentation and biological activities. Tomita F, et al. **J Antibiot (Tokyo)** 1981 Dec;34(12):1519–24

Isolation and characterization of small plasmids from Streptomyces. Toyama H, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):369–73

Isolation and characterization of the first halogen containing polyether antibiotic X-14766A, a product of Streptomyces malachitofuscus subsp. downeyi. Westley JW, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):139–47

Plasmid DNA in the erythromycin producing microorganism, Streptomyces erythreus NRRL 2338. Yi-guang W, et al. **J Antibiot (Tokyo)** 1982 Mar; 35(3):335–42

New anthracycline metabolites from mutant strains of Streptomyces galilaeus MA144-M1. I. Isolation and characterization of various blocked mutants. Yoshimoto A, et al. **J Antibiot (Tokyo)** 1981 Aug;34(8):951–8

Trisarubicinol, new antitumor anthracycline antibiotic. Yoshimoto A, et al. **J Antibiot (Tokyo)** 1981 Nov; 34(11):1492–4

Control of actinomycin D biosynthesis in Streptomyces parvullus: regulation of tryptophan oxygenase activity. Foster JW, et al. **J Bacteriol** 1981 Nov;148(2):670–7

Control of the actinomycin biosynthetic pathway in and actinomycin resistance of Streptomyces spp. Ochi K. **J Bacteriol** 1982 May;150(2):598–603

Production of deferriferrioxamines B and E from a ferroverdin-producing Streptomyces species. Yang CC, et al. **J Bacteriol** 1982 Jan;149(1):381–3

7 beta -hydroxycardenolide glycosides. Szeleczky Z, et al. **Steroids** 1981 Jul;38(1):11–27

Anthracyclic products from Streptomyces erythromogenes nov. sp. Biotransformation of daunomycin (Dn) by an acellular preparation and synergism between Dn and some known antibiotics. Abdallah NM, et al. **Z Allg Mikrobiol** 1982;22(3):155–60

Studies on microbial transformations. XVIII. Microbiological transformation of 1-alpha-santonin. Iida M, et al. **Z Allg Mikrobiol** 1981;21(8):587–90

[Studies on antitumor antibiotic 1588. I. Biological characteristics of producing strain and fermentation isolation and purification of antibiotic 1588] Kong QT, et al. **Yao Hsueh Hsueh Pao** 1981;16(8):589–93 (Eng. Abstr.) **(Chi)**

[Determination of the chitinolytic activity of 'Abies alba' Mill. litter microorganisms: bacteria and yeasts (author's transl)] Faure-Raynaud M. **Ann Microbiol (Paris)** 1981 Sep-Oct;132B(2):267–79 (Eng. Abstr.) **(Fre)**

[New anthracycline antibiotics taurimycins A and B produced by a Str. tauricus No. 7036-1 culture] Frolova VI, et al. **Antibiotiki** 1982 May;27(5):326–31 (Eng. Abstr.) **(Rus)**

[Antibiotic formation from a pyrimidine base group and an aminoglycoside group by a Streptomyces coeruleoaurantiacus sp. nov. culture] Gauze GF, et al. **Antibiotiki** 1982 Apr;27(4):243–7 (Eng. Abstr.) **(Rus)**

[Synthesis of the antitumor antibiotic CC-1065 by a Streptomyces canulus 106/78 culture] Ivanitskaia LP, et al. **Antibiotiki** 1982 May;27(5):323–6 **(Rus)**

[Isolation and identification of the antibiotics amicetin and nebramycin formed by a Streptomyces coeruleoaurantiacus 4009 culture] Konstantinova NV, et al. **Antibiotiki** 1982 Jun;27(6):403–9 (Eng. Abstr.) **(Rus)**

[Isolation of the new antibiotic variamycin B from the biosynthetic products of a Streptomyces olivovariabilis sp. nov. culture] Zhdanovich IuV, et al. **Antibiotiki** 1982 Feb; 27(2):83–7 (Eng. Abstr.) **(Rus)**

[Interrelationship of polyphosphate metabolism and levorin biosynthesis in Streptomyces levoris] Ziuzina ML, et al. **Biokhimiia** 1981 May;46(5):782–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Regulation of formation of aerial mycelia and spores of Streptomyces viridochromogenes. Coleman RH, et al. **J Bacteriol** 1982 Mar;149(3):1102–11

Formation of fertile aerial mycelium within asporogenous streptomycetes as induced by fungal metabolites. Küster E, et al. **Z Allg Mikrobiol** 1982;22(2):107–17

[Effect of transmeridional flights on the biorhythm of zone formation in Streptomyces levoris] Savel'ev AP, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):28–31 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

A submerged sporulation and ultrastructural changes in the mycelium of Streptomyces chrysomallus. Kuimova TF, et al. **Hindustan Antibiot Bull** 1981;23:1–5

Fusion of protoplasts of Streptomyces lavendulae. Nakano MM, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):359–63

[Ultrastructural characteristics of Actinomyces olivaceus in the process of development of a culture as related to lipid synthesis] Kopova IV, et al. **Mikrobiologiia** 1981 Sep-Oct; 50(5):838–43 (Eng. Abstr.) **(Rus)**

STREPTOMYCES ANTIBIOTICUS see under **STREPTOMYCES**

STREPTOMYCES AUREOFACIENS

METABOLISM

Studies on new vasodilators, WS-1228 A and B. I. Discovery, taxonomy, isolation and characterization. Yoshida K, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):151–6

Studies on microbial transformations. XVIII. Microbiological transformation of 1-alpha-santonin. Iida M, et al. **Z Allg Mikrobiol** 1981;21(8):587–90

RADIATION EFFECTS

[UV irradiation of a Streptomyces aureofaciens strain and the isolation of highly active chlortetracycline mutants] Valerianov Ts, et al. **Acta Microbiol Bulg** 1981;8:25–9 (Eng. Abstr.) **(Bul)**

STREPTOMYCES GRISEUS

ANALYSIS

Studies on trypsin inhibitors of Streptomyces griseus Cal. Mukherjee M, et al. **Indian J Biochem Biophys** 1981 Dec; 18(6):437–9

Biochemical characteristics of non-streptomycin-producing mutants of Streptomyces griseus. II. Lipids and fatty acid composition of vegetative mycelia. Gräfe U, et al. **Z Allg Mikrobiol** 1982;22(2):97–106

[Circular permutation of DNA molecules of Streptomyces griseus Kr actinophage Pg2] Sladkova IA. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):98–103 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Assessment of competitive action of streptomycin 6-kinase and streptomycin 6-phosphatase in the in vitro protein synthesis of a streptomycin-producing microorganism. Sugiyama M, et al. **FEBS Lett** 1982 Mar 22;139(2):331–3

Evidence against a general role of NADP-glycohydrolase in differentiation of Streptomyces griseus. Gräfe U, et al. **J Antibiot (Tokyo)** 1981 Oct;34(10):1385–7

Biochemical characteristics of non-streptomycin-producing mutants of Streptomyces griseus. I. Role of NAD (P)-glycohydrolase in cell differentiation. Gräfe U, et al. **Z Allg Mikrobiol** 1981;21(9):633–42

[New site-specific endonuclease from Streptomyces: SGRII] Orekhov AV, et al. **Dokl Akad Nauk SSSR** 1982; 263(1):217–20 **(Rus)**

GENETICS

Mutants blocked in streptomycin production in Streptomyces griseus - the role of A-factor. Hara O, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):349–58

[Interspecies recombination in Streptomyces griseus, Streptomyces olivaceus and Streptomyces coelicolor] Shevchenko AA, et al. **Mikrobiol Zh** 1982 Jan-Feb;

44(1):3-7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Acyl chains of phospholipids and their variation with age in Streptomyces griseus. Verma JN, et al. **Antonie Van Leeuwenhoek** 1981;47(4):307-10

Isolation and structure of novel autoregulators from Streptomyces griseus. Gräfe U, et al. **J Antibiot (Tokyo)** 1982 May;35(5):609-14

METABOLISM

Mechanism of protection of protein synthesis against streptomycin inhibition in a producing strain. Sugiyama M, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1183-8

Directed biosynthesis of new indolmycins. Werner RG, et al. **J Antibiot (Tokyo)** 1981 May;34(5):551-4

A screening method for autoregulators of anthracycline-producing streptomycetes. Eritt I, et al. **Z Allg Mikrobiol** 1982;22(2):91-6

[Leukaemomycin-blocked mutants of Streptomyces griseus and their pigments] Wagner C, et al. **Z Allg Mikrobiol** 1981; 21(10):751-60 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

[New type of sporulation regulation and streptomycin biosynthesis in secondary Streptomyces griseus mutants] Efremenkova OV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Jul-Aug;(4):573-82 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Structural similarities between a membrane-like surface layer on the cell wall of some microbial cells and the lamellar layer of vesicles formed by short-chain phosphonic acids in water. A freeze-fracture study. Meyer HW. **Exp Pathol** 1982;21(2):99-116

STREPTOMYCETACEAE

DRUG EFFECTS

[Action of acridine dyes on antibiotic, pigment and aerial mycelium formation in streptomycete producers of multicomponent antibiotics] Lapchinskaia OA, et al. **Antibiotiki** 1981 Nov;26(11):809-13 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A new subfamily of microbial serine proteinase? Structural similarities of Bacillus thuringiensis and Thermoactinomyces vulgaris extracellular serine proteinases. Stepanov VM, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1680-7

[Thermitase, a thermostable serine protease of Thermoactinomyces vulgaris: interaction of the active center and the SH-group of the enzyme] Hansen G, et al. **Acta Biol Med Ger** 1982;41(2-3):137-44 (Eng. Abstr.) **(Ger)**

[Formation of lytic enzymes by actinomycetes] Kuznetsov VD, et al. **Izv Akad Nauk SSSR [Biol]** 1982 May-Jun; (3):440-3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Circulating immune complexes in patients with usual interstitial pulmonary fibrosis: partial characterization and relationship with Thermoactinomyces vulgaris. Cocchiara R, et al. **Immunology** 1981 Dec;44(4):817-25

STREPTOMYCIN

ADMINISTRATION & DOSAGE

Experimental endocarditis in rabbits. 6. Results of long-term combined therapy of Streptococcus faecalis endocarditis with penicillin and streptomycin. Gutschik E. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):37-47

Effect of a two-stage antibiotic treatment regimen on dogs naturally infected with Brucella canis. Zoha SJ, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1474-5

Treatment of penicillin-sensitive streptococcal infective endocarditis. Wilson WR, et al. **Mayo Clin Proc** 1982 Feb; 57(2):95-100

Short-course chemotherapy for pulmonary tuberculosis. Points of interest. Zabow M, et al. **S Afr Med J** 1982 Jun 5;61(23):867-70

[Penicillin and streptomycin penetration into tissue by a modified electrophoretic method] Ragelis SIu. **Antibiotiki** 1981 Sep;26(9):696-9 (Eng. Abstr.) **(Rus)**

[Intra-arterial antibiotic infusions in the complex treatment of the purulent complications of wounds and plastic surgery of the skin of the hand] Vodianov NM, et al. **Sov Med** 1981;(8):112-4 **(Rus)**

ADVERSE EFFECTS

Vestibular ototoxicity in the chick: effects of streptomycin on equilibrium and on ampullary dark cells. Park JC, et al. **Am J Otolaryngol** 1982 Mar-Apr;3(2):117-27

Streptomycin sulphate and deafness: a review of the literature. Walby AP, et al. **Clin Otolaryngol** 1982 Feb; 7(1):63-8 (61 ref.)

Contact urticaria from rat tail, guinea pig, streptomycin and vinyl pyridine. Rudzki E, et al. **Contact Dermatitis** 1981 Jul;7(4):186-8

[Role of the allergic factor in the development of pathological nervous system changes in occupational diseases due to antibiotic (penicillin and streptomycin) exposure] Gersimova MM. **Gig Tr Prof Zabol** 1981 Aug;(8):23-6 (Eng. Abstr.) **(Rus)**

[Abdominal variant of drug-induced anaphylactic shock] Lopatin AS. **Ter Arkh** 1981;53(11):71-3 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Interaction of Listeria monocytogenes strains and their streptomycin-resistant mutants in cell cultures] Kantardzhiev V, et al. **Acta Microbiol Bulg** 1981;8:10-6 (Eng. Abstr.) **(Bul)**

[Role of the ribosomes in controlling cellular differentiation and secondary metabolism in sporulating bacteria. I. Sporogenesis, antibiotic formation and the proteolytic activity of streptomycin-resistant mutants] Lukin AA, et al. **Genetika (Moskva)** 1981;17(7):1211-9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Mutants blocked in streptomycin production in Streptomyces griseus - the role of A-factor. Hara O, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):349-58

Resistance mechanisms of kanamycin-, neomycin-, and streptomycin-producing streptomycetes to aminoglycoside antibiotics. Hotta K, et al. **J Antibiot (Tokyo)** 1981 Sep; 34(9):1175-82

Biochemical characteristics of non-streptomycin-producing mutants of Streptomyces griseus. II. Lipids and fatty acid composition of vegetative mycelia. Gräfe U, et al. **Z Allg Mikrobiol** 1982;22(2):97-106

[New type of sporulation regulation and streptomycin biosynthesis in secondary Streptomyces griseus mutants] Efremenkova OV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Jul-Aug;(4):573-82 (Eng. Abstr.) **(Rus)**

BLOOD

[Use of agar diffusion method for separate determination of concentration of streptomycin and rifampicin in the blood in the presence of isoniazid] Zeliger LR, et al. **Antibiotiki** 1982 Mar;27(3):173-6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Streptomycin-specific antibodies [letter] Fernández MN, et al. **Transfusion** 1982 Jul-Aug;22(4):344-5

METABOLISM

Involvement of the outer membrane in gentamicin and streptomycin uptake and killing in Pseudomonas aeruginosa. Hancock RE, et al. **Antimicrob Agents Chemother** 1981 May;19(5):777-85

Characterization of a respiratory mutant of Escherichia coli with reduced uptake of aminoglycoside antibiotics. Muir ME, et al. **Biochim Biophys Acta** 1981 Dec 14;638(2):234-41

Effect of neomycin and protein S1 on the binding of streptomycin to the ribosome. Grisé-Miron L, et al. **Eur J Biochem** 1982 Apr;123(3):643-6

Differential binding of streptomycin to ribosomes of polyamine-deficient bacteria grown in the absence and presence of putrescine. Goldemberg SH, et al. **FEBS Lett** 1982 Jun 7;142(2):275-9

Aminoglycoside uptake and mode of action--with special reference to streptomycin and gentamicin. I. Antagonists and mutants. Hancock RE. **J Antimicrob Chemother** 1981 Oct;8(4):249-76 (143 ref.)

[Pharmacokinetic characteristics of streptomycin and isoniazid administered in ultrasonic aerosols to patients with respiratory organ tuberculosis] Brant AL, et al. **Antibiotiki** 1981 Aug;26(8):628-32 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Synergistic effect of rifampin, streptomycin, ethionamide, and ethambutol on Mycobacterium intracellulare. Heifets LB. **Am Rev Respir Dis** 1982 Jan;125(1):43-8

Comparison of the misreading induced by streptomycin and neomycin. Grisé-Miron L, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):103-10

The effect of tetracycline administration on iron absorption in mice. Djaldetti M, et al. **Biomedicine** 1981 Oct; 35(5):150-2

Polyamine requirement for streptomycin action on protein synthesis in bacteria. Goldemberg SH, et al. **Eur J Biochem** 1981 Jul;117(2):251-5

Presynaptic effects of 4-aminopyridine and streptomycin on the neuromuscular junction. Enomoto K, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):1-8

The mechanism of resistance to streptomycin in Escherichia coli. Functional analysis of the permeability barrier of cells harbouring the R1 drd-19Km- plasmid. Braná H, et al. **Folia Microbiol (Praha)** 1981;26(5):345-50

Mechanism of protection of protein synthesis against streptomycin inhibition in a producing strain. Sugiyama M, et al. **J Antibiot (Tokyo)** 1981 Sep;34(9):1183-8

Aminoglycoside uptake and mode of action-with special reference to streptomycin and gentamicin. II. Effects of aminoglycosides on cells. Hancock RE. **J Antimicrob Chemother** 1981 Dec;8(6):429-45 (32 ref.)

Mechanism of neuromuscular block by streptomycin: a voltage clamp analysis. Farley JM, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):488-93

Kinetic analysis of the action of chemical modulators on neuromuscular transmission. Maeno T, et al. **Jpn J Physiol** 1981;31(5):639-56

The outcome of cell mediated lympholysis is influenced by the antibiotics in the culture medium. Horai S, et al. **Tissue Antigens** 1982 May;19(5):347-55

[Antibiotic relationship of streptomycin-dependent and streptomycin-resistant Escherichia coli mutants pathogenic for poultry] Cherneva E, et al. **Vet Med Nauki** 1981; 18(8):47-54 (Eng. Abstr.) **(Bul)**

[Streptomycin-dependent mutants of a Pasteurella multocida strain isolated from poultry] Karaivanov L, et al. **Vet Med Nauki** 1981;18(6):20-6 (Eng. Abstr.) **(Bul)**

[Effect of streptomycin on antigenic properties of serum beta-lipoproteins] Sluvko AL, et al. **Antibiotiki** 1982 Mar; 27(3):180-3 (Eng. Abstr.) **(Rus)**

[Resistance to streptomycin of Mycobacterium strains isolated from tuberculosis patients] Kozulitsyna TI, et al. **Probl Tuberk** 1981 Dec;(12):53-6 (Eng. Abstr.) **(Rus)**

POISONING

[Familial streptomycin intoxication to the acoustic nerve (author's transl)] Li YM. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):668-9 (Eng. Abstr.) **(Chi)**

[Mental disorders in occupational diseases induced by exposure to antibiotics (penicillin, streptomycin)] Smirnov VK, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):245-8 **(Rus)**

STANDARDS

The third international standard for streptomycin. Lightbown JW, et al. **J Biol Stand** 1981;9(3):227-42

[Experience with the international standardization of the biological activity of the 3d Standard for streptomycin] Grigor'eva VM, et al. **Antibiotiki** 1981 Aug;26(8):595-600 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Experimental endocarditis in rabbits. 5. Results of long-term penicillin or streptomycin treatment of streptococcus faecalis endocarditis and the effect of long-term exposure of healthy rabbits to the same drugs. Gutschik E, et al. **Acta Pathol Microbiol Immunol Scand [B]** 1982 Feb; 90(1):25-35

Rifampin, ampicillin, streptomycin, and their combinations in the treatment of enterococcal pyelonephritis in rats. Oill PA, et al. **Antimicrob Agents Chemother** 1981 Oct; 20(4):491-2

Tuberculous thyroiditis cured by drug therapy. Milcu SM, et al. **Endocrinologie** 1981 Oct-Dec;19(4):261-3

Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239-42

[Monitoring cytostatic therapy in acute leukemia with reference to the agar-colony technic] Schultze W, et al. **Folia Haematol (Leipz)** 1981;108(2):226-31 **(Ger)**

TOXICITY

[Information in support of barring the use of tetracyclines and streptomycin as growth stimulants] Priputina LS, et al. **Vopr Pitan** 1982 May-Jun;(3):61-3 **(Rus)**

STREPTONIGRIN

ANALOGS & DERIVATIVES

Isolation of lavendamycin, a new antibiotic from Streptomyces lavendulae. Balitz DM, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):259-65

ISOLATION & PURIFICATION

Streptonigrin. Gould SJ, et al. **Fortschr Chem Org Naturst** 1982;41:77-114 (71 ref.)

METABOLISM

Irreversible binding of reductively activated streptonigrin to nucleic acids in the presence of metals. Sinha BK. **Chem Biol Interact** 1981 Aug;36(2):179-88

PHARMACODYNAMICS

Iron enhances the bactericidal action of streptonigrin. White JR, et al. **Biochem Biophys Res Commun** 1982 May 31; 106(2):407-11

Inhibition of phosphoenolpyruvate carboxykinase by streptonigrin. Merryfield ML, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1123-9

Streptonigrin toxicity in Escherichia coli: oxygen dependence and the role of the intracellular oxidation--reduction state. Harley JB, et al. **Can J Microbiol** 1982 May;28(5):545-52

Evaluation of chemically induced cytogenetic lesions in rabbit oocytes. II. A comparison of streptonigrin effects on somatic and germ cells. DuFrain RJ, et al. **Mutat Res** 1982 May;94(1):103-14

STREPTONIVICIN see **NOVOBIOCIN**

STREPTOTHRICINS see under **ANTIBIOTICS**

STREPTOVARICINS

PHARMACODYNAMICS

Inhibition of cellular and virus-associated nucleotide polymerases by, and anti-herpes simplex virus activity of, streptovaricin derivatives. Srivastava BI, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):653-9

STREPTOZOCIN see **STREPTOZOTOCIN**

STREPTOZOTOCIN

A carbon-13 nuclear magnetic resonance relaxation time study of streptozotocin-deoxyguanosine-5'-monophosphate-deoxy interactions. Fratiello A, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1182-8

Streptozotocin induced diabetic nephropathy and renal tumors in the rat. Bleasel AF, et al. **Experientia** 1982 Jan 15;38(1):129-30

Streptozotocin-induced renal tumors in rats: microangiographic-histologic correlation. Hillman BJ, et al. **Invest Radiol** 1982 Jan-Feb;17(1):37-40

ADMINISTRATION & DOSAGE

Intra-arterial use of streptozotocin in a case of metastatic malignant gastrinoma. Rauchwerger M, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1339-41

Pharmacology and toxicity of Ip streptozocin in ovarian cancer: a case report [letter] Panasci LC, et al. **Cancer Treat Rep** 1982 Jul;66(7):1595-6

ADVERSE EFFECTS

Nephrotoxicity of streptozocin [letter] Perry DJ, et al. **Ann Intern Med** 1982 Jan;96(1):122

Streptozocin-induced eosinophilia and fever: a case report [letter] Shah KA, et al. **Cancer Treat Rep** 1982 Jun; 66(6):1449-51

Acute renal failure and renal tubular squamous metaplasia following treatment with streptozotocin. Hall-Craggs M, et al. **Hum Pathol** 1982 Jun;13(6):597-601

ANALOGS & DERIVATIVES

Nitrosourea-misonidazole combination chemotherapy: effect on KHT sarcomas, marrow stem cells and gut. Mulcahy RT, et al. **Br J Cancer** 1982 Jun;45(6):835-42

Chlorozotocin (DCNU)--induced pulmonary toxicity. Sordillo EM, et al. **Cancer Clin Trials** 1981 Winter; 4(4):397-9

Phase II study of chlorozotocin in leukemia and other hematologic malignancies. Pavlovsky S, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1109-11

Clinical trial of chlorozotocin, DTIC, and dactinomycin in metastatic malignant melanoma. Samson MK, et al. **Cancer Treat Rep** 1982 Feb;66(2):371-3

Phase II trial of chlorozotocin in malignant melanoma, breast cancer, and other solid tumors. Silver BA, et al. **Cancer Treat Rep** 1982 May;66(5):1229-30

Phase II study of chlorozotocin in malignant melanoma: a Southeastern Cancer Study Group report. Van Amburg AL 3d, et al. **Cancer Treat Rep** 1982 Jun;66(6):1431-3

Phase II trial with chlorozotocin in advanced colorectal cancer. Bleiberg H, et al. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):863-6

Antitumor effect of 3-[3-(2-chloroethyl)-3-nitrosoureido]-3-deoxy-D-glucop on murine tumors. Komiyama K, et al. **Gan** 1981 Feb; 72(1):53-9

Quantitative determination of 1-2(chloroethyl)-3-(beta-D-glucopyranosyl)-1-nitrosoure in blood and urine of man. Nakajima O, et al. **J Chromatogr** 1982 May 14;229(2):481-6

PHARMACODYNAMICS

Effect of diabetogenic nitrosourea on the activity of the pentose phosphate hunt in isolated islets. Akpan JO, et al. **Acta Diabetol Lat** 1982 Jan-Mar;19(1):37-47

Blood glucose and pancreatic islets in frogs afer streptozotocin treatment. Kumar S, et al. **Anat Anz** 1981; 150(3):335-42

Vitreous fluorophotometry in the alloxan- and streptozocin-treated rat. Jones CW, et al. **Arch Ophthalmol** 1982 Jul;100(7):1141-5

DNA strand breaks in pancreatic islets by in vivo administration of alloxan or streptozotocin. Yamamoto H, et al. **Biochem Biophys Res Commun** 1981 Dec 15; 103(3):1014-20

Insulin and glucagon in rats with islet cell tumors induced by small doses of streptozotocin. Yoshino G, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):818-23

Streptozocin: a review of its pharmacology, efficacy, and toxicity. Weiss RB. **Cancer Treat Rep** 1982 Mar; 66(3):427-38 (104 ref.)

Immune insulitis and antibodies to nucleic acids induced with streptozotocin in mice. Huang SW, et al. **Clin Exp Immunol** 1981 Feb;43(2):425-9

Strain dependency of the transfer of experimental immune insulitis in mice. Kiesel U, et al. **Clin Exp Immunol** 1981 Feb;43(2):430-3

Protection by superoxide dismutase, catalase, and poly(ADP-ribose) synthetase inhibitors against alloxan- and streptozotocin-induced islet DNA strand breaks and against the inhibition of proinsulin synthesis. Uchigata Y, et al. **J Biol Chem** 1982 Jun 10;257(11):6084-8

Mitomycin C- and streptozotocin-induced motility and numerical sperm variants in mice. Ficsor G, et al. **Mutat Res** 1981 Nov;90(3):287-95

Streptozotocin and alloxan induce DNA strand breaks and poly(ADP-ribose) synthetase in pancreatic islets. Yamamoto H, et al. **Nature** 1981 Nov 19;294(5838):284-6

Ultrastructural study of pancreatic B cell regeneration in newborn rats after destruction by streptozotocin. Dutrillaux MC, et al. **Virchows Arch [Cell Pathol]** 1982;39(2):173-85

THERAPEUTIC USE

Phase II trial of methyl-CCNU, vincristine, 5-fluorouracil, and streptozotocin (MOF-Strep) in patients with disseminated pancreatic carcinoma. Sordillo PP, et al. **Am J Clin Oncol** 1982 Jun;5(3):277-9

[The combination methyl-CCNU, vincristine, 5-fluorouracil and streptozotocin in the treatment of advanced colo-rectal adenocarcinoma] Togni P, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):930-3 (Eng. Abstr.) **(Fre)**

TOXICITY

Streptozotocin effects on T lymphocytes and bone marrow cells. Nichols WK, et al. **Clin Exp Immunol** 1981 Dec; 46(3):627-32

Effects of alloxan and streptozotocin at high doses on blood glucose levels, glucose tolerance, and responsiveness to sulphonylureas in chickens. Danby R, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):159-69

Protective role of superoxide dismutase against diabetogenic drugs. Gandy SE, et al. **J Clin Invest** 1982 Sep;70(3):650-8

STREPTOZOTOCIN DIABETES see **DIABETES MELLITUS, EXPERIMENTAL**

STRESS

Protective value of diphenylhydantoin and vitamin A against stress ulcer. Tassé DP. **Can J Surg** 1982 Mar;25(2):194-5

Prevention of stress ulcers in the critically ill patient. Priebe HJ, et al. **Compr Ther** 1981 Aug;7(8):65-71

Occupational stress: review and reappraisal. Sharit J, et al. **Hum Factors** 1982 Apr;24(2):129-62 (181 ref.)

Response of testosterone to hemicastration in the testicular vein of the mature rat. Mock EJ, et al. **J Endocrinol** 1982 Feb;92(2):231-6

Stress and physicians [letter] **N Engl J Med** 1982 Aug 26; 307(9):563-4

Stressed interns [letter] Schaff EA, et al. **Pediatrics** 1981 Oct; 68(4):605

Rats' responses to blood and body odors of stressed and non-stressed conspecifics. Mackay-Sim A, et al. **Physiol Behav** 1981 Sep;27(3):503-10

Accelerated life tests and information. Barlow RE. **Radiat Res** 1982 Apr;90(1):90-7

Cholecystokinin-octapeptide suppresses stress-induced eating by inducing hyperglycemia. Levine AS, et al. **Regul Pept** 1981 Nov;2(6):353-7

Stress, morbidity, and health-related behaviour. A five-year follow-up study among metal industry employees. Aro S. **Scand J Soc Med** 1981;25:1-130

Vibration and the human spine. Wilder DG, et al. **Spine** 1982 May-Jun;7(3):243-54

[Stress and endurance] **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1641-91 **(Dut)**

[Factor VIII activity and factor VIII-associated antigen in healthy newborns and in newborns with stressing perinatal factors] Maak B, et al. **Folia Haematol (Leipz)** 1982; 109(2):334-45 (Eng. Abstr.) **(Ger)**

[Stress research needs to be revised] Seyffarth H. **Nord Med** 1982 Jun;97(6-7):192-3 **(Nor)**

[Changes in the level of catecholamines in norepinephrine-producing structures of the brain of rats subjected to immobilization] Belova TI, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):8-9 (Eng. Abstr.) **(Rus)**

[Role of adrenergic mechanisms in changes of microcirculation during stress] Gorizontova MP, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):5-8 **(Rus)**

[Concentration of adenine nucleotides and creatine phosphate during myocardial necrosis in rats under stress] Davydov VV, et al. **Vopr Med Khim** 1982 May-Jun;28(3):80-3 **(Rus)**

[Effect of stress on concentration of blood glycoproteins in rats with different functional changes in the thyroid gland] Kuz'mak NI, et al. **Vopr Med Khim** 1982 May-Jun; 28(3):89-94 **(Rus)**

BLOOD

Effect of cold stress on catecholamines, cyclic AMP and cyclic GMP in hardened and unhardened men. Přikryl P, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):32-3

Effect of propranolol on myocardial cell necroses and blood levels of catecholamines in pigs subjected to stress. Häggendal J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):58-66

Effect of general and peridural anesthesia on the concentrations of prolactin and cortisol in maternal plasma. Yuen BH, et al. **Am J Obstet Gynecol** 1981 Nov 1; 141(5):483-6

Aged rats: diminished sympathetic-adrenal medullary responses to acute stress. McCarty R. **Behav Neural Biol** 1981 Oct;33(2):204-12

Cyclic 3',5'-adenosine monophosphate in umbilical cord blood of the newborn infant: relation to fetal stress and plasma catecholamines. Bistoletti P, et al. **Biol Neonate** 1981;40(3-4):145-9

Effect of anesthesia and surgical stress on prolactin levels in pregnancy. Vadora E, et al. **Clin Exp Obstet Gynecol** 1981;8(2):60-3

Hyperglycaemia and hyperlactacidemia as stress indicators in the frog (Rana temporaria). Harri MN. **Comp Biochem Physiol [C]** 1981;69(2):371-4

Effects of anaesthesia and surgery on levels of adrenaline and noradrenaline in blood plasma of the eel (Anguilla anguilla L.). Le Bras YM. **Comp Biochem Physiol [C]** 1982; 72(1):141-4

Long-term observations on plasma antidiuretic hormone levels during and after heat stress. Röcker L, et al. **Eur J Applied Physiol** 1982;49(1):59-62

Plasma catecholamines in conscious rats: influence of sodium, stress and heredity. De Mendonca M, et al. **Experientia** 1981 Oct 15;37(10):1087-9

Mechanisms of control of prolactin release in response to apprehension stress and anesthesia-surgery stress. Corenblum B, et al. **Fertil Steril** 1981 Dec;36(6):712-5

Catecholamines in adult lampreys: baseline levels and stress-induced changes, with a note on cardiac cannulation. Dashow L, et al. **Gen Comp Endocrinol** 1982 Apr; 46(4):500-4

Plasma levels of serotonin compared with cortisol as stress indicators in gynecological operations. Evron S, et al. **Isr J Med Sci** 1982 Jul;18(7):806-8

Predictability, control, and the pituitary-adrenal response in rats. Davis H, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):393-404

Blood cortisol levels in malnourished Thai children with and without acute stress. Tuchinda C, et al. **J Med Assoc Thai** 1982 Feb;65(2):82-5

Effects of chemical sympathectomy on the increases in plasma catecholamines and dopamine-beta-hydroxylase induced by forced immobilization and insulin-induced hypoglycemia: origin and fate of plasma dopamine-beta-hydroxylase. Israel AS, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):577-83

Stress and age effects on catecholamines in normal subjects. Aslan S, et al. **J Psychosom Res** 1981;25(1):33-41

Changes in plasma glucagon levels to stressful environmental temperatures. Kuroshima A, et al. **Jpn J Physiol** 1981; 31(1):43-52

Biochemical changes after surgical stress in rabbits. Kojima H. **Jpn J Surg** 1982;12(1):52-60

Serum cortisol levels in severely stressed patients [letter] Finlay WE, et al. **Lancet** 1982 Jun 19;1(8286):1414-5

Surgical stress in humans is accompanied by an increase in plasma beta-endorphin immunoreactivity. Dubois M, et al. **Life Sci** 1981 Sep 21;29(12):1249-54

Beta-endorphin immunoreactivity in rat plasma: variations in response to different physical stimuli. Mueller GP. **Life Sci** 1981 Oct 19;29(16):1669-74

Evidence for inhibition by beta-endorphin of vasopressin release during foot shock-induced stress in the rat. Knepel W, et al. **Neuroendocrinology** 1982;34(5):353-6

Long-term effects of fetal ethanol exposure on pituitary-adrenal response to stress. Taylor AN, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):585-9

Circadian pattern of stress response to affective cues of foot shock. Fukushima M, et al. **Physiol Behav** 1981 Nov; 27(5):915-20

Differential hormonal and physiological responses to stress in Roman high- and low-avoidance rats. Gentsch C, et al. **Physiol Behav** 1982 Feb;28(2):259-63

Stress-induced plasma beta-endorphin immunoreactivity may predict postoperative morphine usage. Cohen MR, et al. **Psychiatry Res** 1982 Feb;6(1):7-12

The glycemic effects of sympathomimetics in stressed mice. Fletcher HP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):377-88

[Plasma-antidiuretic hormone level as indicator of postoperative stress (part II) (author's transl)] von Bormann B, et al. **Anasth Intensivther Notfallmed** 1981 Dec; 16(6):319-22 (Eng. Abstr.) **(Ger)**

[Plasma antidiuretic hormone level as an indicator of perioperative stress (Part I) (author's transl)] Weidler B, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):315-8 (Eng. Abstr.) **(Ger)**

[Stress-metabolism after myocardial infarction-demonstrated by means of the behaviour of plasma proteins with short half-life (author's transl)] Ollenschläger G, et al. **Klin Wochenschr** 1981 May 4;59(9):437-49 (Eng. Abstr.) **(Ger)**

[Plasma aldosterone--normal values in children, effect of stress and ACTH, nutrition effect and daily rhythm in newborn infants] Lehmann GW, et al. **Padiatr Grenzgeb** 1981;20(3):157-65 (Eng. Abstr.) **(Ger)**

[Measurements and combat of stress effects (author's transl)]

von Ardenne M. **ZFA (Dresden)** 1981;36(6):473–87 (Eng. Abstr.) **(Ger)**

[Effect of cold and emotional stresses on plasma cyclic nucleotides of normal adults (author's transl)] Mikuni M, et al. **Seishin Shinkeigaku Zasshi** 1980;82(7):444–7 **(Jpn)**

[Blood system reaction to single and double exposures to a stressing agent] Fedotova MI, et al. **Patol Fiziol Eksp Ter** 1981;(6):24–7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Mercury toxicity as compared to adrenocorticotropin-induced physiological stress in the chicken. Thaxton JP, et al. **Arch Environ Contam Toxicol** 1982;11(4):509–14

[Chemical (drug) stress: the qualitative assessment of the toxic effects of the action of physiologically active substances] Dmitrieva NV, et al. **Izv Akad Nauk SSSR [Biol]** 1982 May–Jun;(3):398–405 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Cytoprotective effect of centrally administered neurotensin on stress-induced gastric ulcers. Nemeroff CB, et al. **Am J Physiol** 1982 Apr;242(4):G342–6

Bilateral femoral and tibial shaft stress fractures in a runner. Blatz DJ. **Am J Sports Med** 1981 Sep–Oct;9(5):322–5

Stress reactions involving the pars interarticularis in young athletes. Jackson DW, et al. **Am J Sports Med** 1981 Sep–Oct;9(5):304–12

Reflex cardiac arrest presenting as epilepsy. Braham J, et al. **Ann Neurol** 1981 Sep;10(3):277–8

Acceleration stress-induced Wolff–Parkinson–White Syndrome with marked ST-segment depression. Whinnery JE. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 1):654–7

Benzodiazepines reduce gastric ulcers induced in rats by stress. File SE, et al. **Br J Pharmacol** 1981 Nov;74(3):593–9

Stress fractures of the distal radius in adolescent gymnasts. Read MT. **Br J Sports Med** 1981 Dec;15(4):272–6

Prostaglandin therapy in a case of refractory stress ulcer bleeding. Groeger JS, et al. **Crit Care Med** 1982 Jul; 10(7):486–7

Nicotine and ascorbic acid effects on cold-restraint ulcers in rats. Glavin GB, et al. **Experientia** 1982 May 15; 38(5):603–4

Effects of active amines on development of stress ulcers: review of noradrenalin, 5-hydroxytryptamine and histamine levels in brain and gastric wall of restrained and cold exposed rats. Kodama M, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):37–44

Effect of salt loading on the cardiovascular response to stress in adolescents. Falkner B, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-195–9

Stress as a diabetogenic factor [letter] Bijlani RL, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):184–8

Stress fracture of ribs in late pregnancy. Even-Tov I, et al. **Int Surg** 1979 Aug–Oct;64(5):85–7

Stress fractures of the tarsal navicular. A retrospective review of twenty-one cases. Torg JS, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):700–12

Perforated stress ulcers in infants. Bell MJ, et al. **J Pediatr Surg** 1981 Dec;16(6):998–1002 (38 ref.)

The role of a defined formula diet in the prevention of stress-induced gastric mucosal injury in the rat. Mabogunje OA, et al. **J Pediatr Surg** 1981 Dec;16(6):1036–9

Biochemical studies on experimental stress ulcer. I. Gastric mucosal hemorrhage and coagulation fibrinolysis in rat stress ulcer. Ito M, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):838–43

Electron microscopic study of cardiac lesions induced in rats by isoproterenol and by repeated stress. With suggestion that idiopathic cardiomyopathy may be a 'disease of adaptation'. Tanaka M. **Jpn Circ J** 1981 Dec;45(12):1342–54

Physiologic stress, heat stroke, malignant hyperthermia--a perspective. Jardon OM. **Milit Med** 1982 Jan;147(1):8–14

Studies on the pathogenesis of stress ulcers. Shimoi T. **Nippon Geka Hokan** 1981 Mar 1;50(2):253–71

Endogenous opioids interact in stress-induced hyperglycemia in mice. Amir S, et al. **Physiol Behav** 1982 Mar;28(3):575–7

Surgical stress and circadian rhythm of cardiac dynamics. Groza P, et al. **Physiologie** 1982 Apr–Jun;19(2):67–72

Stress and coronary heart disease. Kringlen E. **Prog Clin Biol Res** 1981;69 Pt C:131–8

Fat-soluble vitamin deficiencies in children in relation to protein energy malnutrition and environmental stress. Reddy V. **Prog Clin Biol Res** 1981;77:109–17

Stress fractures of the proximal tibia in runners. Daffner RH, et al. **Radiology** 1982 Jan;142(1):63–5

Comparative analysis of paraspinal and frontalis EMG, heart rate and skin conductance in chronic low back pain patients and normals to various postures and stress. Collins GA, et al. **Scand J Rehabil Med** 1982;14(1):39–46

Acid–base imbalance and ulceration in the cold restrained rat. Bushell M, et al. **Surgery** 1982 Mar;91(3):318–21

The effect of cimetidine on stress ulcer in rats. Hsieh JS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Mar;81(3):421–7

[Clinical characteristics of stress ulcer complicating burn and its operative treatment (author's transl)] Liu YL. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):654–6 (Eng. Abstr.) **(Chi)**

[Stress-induced post-operative ulcer (author's transl)] Veselý KT. **Cas Lek Cesk** 1981 Oct 8;120(40):1209–13 (Eng. Abstr.) **(Cze)**

[Stress-ulcer. Prevention and therapy by cimetidine (author's transl)] Dupeyron JP, et al. **Anesth Analg (Paris)** 1982; 38(11–12):651–4 (Eng. Abstr.) **(Fre)**

[Postoperative and stress-induced alithiasic cholecystitis. Report on 25 cases seen between 1960 and 1980 (author's transl)] Roullet-Audy JC, et al. **J Chir (Paris)** 1982 Jan; 119(1):29–34 (Eng. Abstr.) **(Fre)**

[Acute stress ulcers of the colon. 3 cases] Le Neel JC, et al. **Med Chir Dig** 1982;11(4):239–41 **(Fre)**

[Long-acting secretin for the prevention of stress ulcers in surgery (author's transl)] Spilker G, et al. **Nouv Presse Med** 1982 Jan 30;11(4):267–9 (Eng. Abstr.) **(Fre)**

[Stress and illness] Schaefer H. **Fortschr Med** 1981 Feb 5; 99(5):121–2 **(Ger)**

[Prophylaxis of stress ulcer in piglets by oral administration of prostaglandin E2 (author's transl)] Germann G, et al. **Res Exp Med (Berl)** 1981;179(2):177–82 **(Ger)**

[Is premature gonarthrosis caused by athletic stress in the sports of judo and wrestling to be expected?] Riepenhausen U. **ZFA (Dresden)** 1982;37(2):121–3 **(Ger)**

[Work and stress – instruments and methods for an epidemiological investigation on risk factors and cardiovascular disease (author's transl)] Zanettini R, et al. **Med Lav** 1982 Jan–Feb;73(1):22–34 (Eng. Abstr.) **(Ita)**

[Stress and essential arterial hypertension] Pirrelli A, et al. **Recenti Prog Med** 1981 Nov;71(5):541–59 (90 ref.) **(Ita)**

[Functional activity of the hypothalamo-neurohypophyseal secretory system exposed to adrenoblockaders during the development of gastric stress ulcers] Kosenko AF, et al. **Fiziol Zh SSSR** 1982 May;68(5):667–72 **(Rus)**

[New developments in assessing myocardial dystrophy resulting from chronic physical overstrain in athletes] Zemtsovskiĭ EV, et al. **Kardiologiia** 1982 Apr;22(4):20–3 **(Rus)**

[Effect of immobilization on the development of experimental atherosclerosis in rabbits] Deriagina GP, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):32–6 (Eng. Abstr.) **(Rus)**

[Preventive treatment of stress-induced hemorrhage in the gastrointestinal tract (author's transl)] Baća I, et al. **Lijec Vjesn** 1981 Sep;103(9):410–3 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Outside referrals: ending the 'revolving door' syndrome. Sheahan N. **Occup Health Saf** 1981 Oct;50(10):21, 23

[Medical aspects of stress measurement in the workplace] Buchberger J. **Soz Praventivmed** 1981 Jul;26(3):129–35 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Nitrous oxide as an anti-stress agent? [letter] Gillman MA, et al. **Anesthesiology** 1982 Mar;56(3):234–5

Beta-adrenoceptor blockade in stress due to oral surgery. Brisse B, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):421S–427S

Peripheral and central effects of atropine and chlorpromazine on gastric motility and ulceration in stressed rats. Harada M, et al. **J Pharmacobiodyn** 1981 May;4(5):309–16

[Prevention of hypoxic heart damage by means of an antioxidant of the hydroxypyridine class] Meerson FZ, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):281–3 (Eng. Abstr.) **(Rus)**

[Indices of antistress activity of an Eleutherococcus extracts in lymphogranulomatosis after splenectomy] Tseĭtlin GIa, et al. **Pediatriia** 1981 May;(5):25–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Reaction of rat fetal adrenals to stress exposure under encephalectomy] Proshliakova EV. **Ontogenez** 1982; 13(1):87–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Muscle aldolase: the stress-dependent modification of catalytic and structural properties by rat muscle lysosomal cathepsin B. Pote MS, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):303–14

Effect of adrenaline, acetylcholine and histamine on pseudocholinesterase (EC 3.1.1.8) activity in blood plasma of quails. Swiergiel AH, et al. **Gen Pharmacol** 1982; 13(2):161–3

Stress-induced activation of inactive renin. Molecular weight aspects. Jindra A Jr, et al. **J Biol Chem** 1982 Jun 10; 257(11):5997–9

Effect of diphenhydramine on stress-induced changes in brain histidine decarboxylase activity, histamine and plasma corticosterone levels. Mazurkiewicz-Kwilecki IM, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):591–7

ETIOLOGY

Laparoscopy--a stressful procedure. Cooper GM, et al. **Anaesthesia** 1982 Mar;37(3):266–9

Physiological changes underlying jet lag. Arendt J, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):144–6 (24 ref.)

Cardiopulmonary resuscitation: physical stress on the rescuer. Lonergan JH, et al. **Crit Care Med** 1981 Nov;9(11):793–5

Visual fatigue and occupational stress in VDT operators. Dainoff MJ, et al. **Hum Factors** 1981 Aug;23(4):421–37

An investigation of health complaints and job stress in video display operations. Smith MJ, et al. **Hum Factors** 1981 Aug; 23(4):387–400

Thermic stress syndrome [letter] Meyers EF, et al. **JAMA** 1982 Apr 16;247(15):2098–9

[Stress on ships crews caused by vibrations] Goethe H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Apr;31(4):156–60 **(Ger)**

[Over-and underload of workers in modern work places] Rohmert W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Jun;31(6):248–55 **(Ger)**

[Conditions for the development of muscle strain during local physical work] Moĭkin IuV, et al. **Gig Tr Prof Zabol** 1982 May;(5):11–5 (Eng. Abstr.) **(Rus)**

[Development of prepathological states (overstrain and overfatigue) as affected by work and environmental factors] Navakatikian AO. **Gig Tr Prof Zabol** 1981 Nov;(11):14–8 (23 ref.) (Eng. Abstr.) **(Rus)**

[Participation of the brain serotoninergic system in creating the stress reactivity of the hypophyseal-adrenal axis] Popova NK, et al. **Ontogenez** 1981;12(4):382–9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Development of individual differences of cardiovascular regulation in the Bailey recombinant inbred mice. Harshfield GA, et al. **Behav Genet** 1979 Nov;9(6):495–504

IMMUNOLOGY

Psychoneuroendocrinological effects on the immune response. Solomon GF, et al. **Annu Rev Microbiol** 1981; 35:155–84 (247 ref.)

Effects of surgical stress on natural killer activity, proliferative response of spleen cells and cytostatic activity of lung macrophages in rats. Toge T, et al. **Gan** 1981 Oct; 72(5):790–4

Stress, behavior, and immunity: animal models and mediating mechanisms. Borysenko M, et al. **Gen Hosp Psychiatry** 1982 Apr;4(1):59–67 (73 ref.)

Stress, adaptation, and immunity: studies in humans. Locke SE. **Gen Hosp Psychiatry** 1982 Apr;4(1):49–58 (48 ref.)

The activity-stress ulcer and antibody production in rats. Hara C, et al. **Physiol Behav** 1981 Oct;27(4):609–13

Stress-induced alterations in delayed-type hypersensitivity to SRBC and contact sensitivity to DNFB in mice. Blecha F, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):239–46

Immunoregulatory role of stress mediators in rheumatoid arthritis. Kumar R, et al. **Z Rheumatol** 1981 May–Jun; 40(3):122–5

[Physiological reactions to stress. Stress and immunity] Kater L, et al. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1651–3 **(Dut)**

[Effect of adaptation to periodic hypoxia on poststress activation of the primary immune response] Sukhikh GT, et al. **Patol Fiziol Eksp Ter** 1981 Jul–Aug;(4):73–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Stress-induced reduction of gastric acid in the rat is not associated with increased tissue somatostatin. Engelhardt W, et al. **Acta Biol Med Ger** 1982;41(2–3):235–9

Acute and chronic stress interrelationship in rat: changes in Cu and Zn levels. Armario A, et al. **Agressologie** 1981; 22(4):155–8

Interaction of noise-induced stress and Mg decrease. Ising H. **Artery** 1981;9(3):205–11

Redistribution of vitamin A in tissues of rats with imposed chronic confinement stress. Nakano K, et al. **Br J Nutr** 1982 May;47(3):645–52

Enhanced uptake of HRP by hypophysiotropic neurons following stress and adrenalectomy. Fryer J, et al. **Brain Res** 1982 Jun 17;242(1):179–83

Neural regulation of adrenal chromaffin cell function in the mouse--stress effect on the distribution of [3H]dopamine in denervated adrenal medulla. Hirano T. **Brain Res** 1982 Apr 22;238(1):45–54

Stress and beta-adrenergic receptor binding in the rat's brain. Nomura S, et al. **Brain Res** 1981 Nov 9;224(1):199–203

Epinephrine, norepinephrine, dopamine and serotonin: differential effects of acute and chronic stress on regional brain amines. Roth KA, et al. **Brain Res** 1982 May 13; 239(2):417–24

Influence of diets on the effect of probenecid and of cold exposure under restraint on noradrenaline and serotonin in the hypothalamus. Héroux O. **Can J Physiol Pharmacol** 1982 Feb;60(2):140–7

Effect of stress on the circadian rhythmicity of hypothalamic catecholamine content in the eel (Anguilla anguilla l.). Popek W, et al. **Comp Biochem Physiol [C]** 1981;70(1):135–8

The effect of stress on circadian rhythms. Brodan V, et al. **Czech Med** 1982;5(1):1–8

Distribution of catecholamines and serotonin in 17 portions of rat ventromedial nucleus and effect of acute immobilization stress. Kiss A, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):219–28

Changes of glutathione and protein bound SH-groups concentration in rat adrenals under acute and repeated stress. Sedlák J, et al. **Endocrinol Exp (Bratisl)** 1982; 16(2):103–9

Effects of chronic intermittent immobilization stress on rat testicular androgenic function. Charpenet G, et al.

Endocrinology 1981 Oct;109(4):1254–8

Induction of insulin-like responses to growth hormone by stress. Coiro V, et al. **Endocrinology** 1981 Dec; 109(6):2213–9

Abnormalities of insulin secretory and lipolytic response to epinephrine produced by a high fat diet and electric stress in rats. Yamaguchi K, et al. **Endokrinologie** 1981 Dec; 78(2–3):253–61

Effect of 5 alpha–androstan–17 beta–ol–3–one (DHT) and 5 alpha–androstan–3 alpha, 17 beta–diol (3 alpha–diol) on ether–induced prolactin secretion. Celotti F, et al. **Experientia** 1982 Jul 15;38(7):862

Infusion of somatostatin antiserum in the rat—failure to raise stress induced low gastric acid secretion. Schwille PO, et al. **Horm Metab Res** 1981 Dec;13(12):710–1

Effects of hyperthermia on enzymes and electrolytes in blood and cerebrospinal fluid in dogs. Deswal K, et al. **Int J Biometeorol** 1981 Sep;25(3):227–33

Influence of aging and tyrosine hydroxylase inhibition on tissue levels of norepinephrine during stress. Avakian EV, et al. **J Gerontol** 1982 May;37(3):257–61

Monoaminergic mechanisms in stress–induced analgesia. Jensen TS, et al. **J Neural Transm** 1982;53(4):247–55

Effect of chronic immobilization stress on tissue distribution of vitamin A in rats fed a diet with adequate vitamin A. Morita A, et al. **J Nutr** 1982 Apr;112(4):789–95

Stress reactions and endorphinergic systems. Emrich HM, et al. **J Psychosom Res** 1982;26(2):101–4

The effect of ether stress and cycloheximide treatment on cholesterol binding and enzyme turnover of adrenal cortical cytochrome P450scc. von Dippe PJ, et al. **J Steroid Biochem** 1982 Jun;16(6):763–9

Morphine increases hypothalamic noradrenaline turnover but rather decreases its enhancement induced by stress in rats. Tanaka M, et al. **Kurume Med J** 1981;28(4):285–91

Enhancement of stress–induced increase in hypothalamic noradrenaline turnover by pretreatment with naloxone in rats. Tanaka M, et al. **Kurume Med J** 1981;28(3):241–6

Naloxone enhances stress–induced increases in noradrenaline turnover in specific brain regions in rats. Tanaka M, et al. **Life Sci** 1982 May 10;30(19):1663–9

A comparison of possible effects of acute and chronic stress on post–menopausal urinary oestrogen levels. Ballinger S. **Maturitas** 1981 Aug;3(2):107–13

Stress, endorphins and psychosis. A hypothesis. Amir S, et al. **Mod Probl Pharmacopsychiatry** 1981;17:192–201

Stress and endogenous opioid peptides: a review. Millan MJ. **Mod Probl Pharmacopsychiatry** 1981;17:49–67

Acceleration by stress of dopamine synthesis and metabolism in prefrontal cortex: antagonism by diazepam. Reinhard JF Jr, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar;318(4):374–7

Age–related changes in brain RNA of noise stressed mice. Zerweck CR, et al. **Neurobiol Aging** 1981 Summer; 2(2):143–7

Activation by stress of the habenulo–interpeduncular substance P neurons in the rat. Lisoprawski A, et al. **Neurosci Lett** 1981 Aug 7;25(1):47–51

Hypothalamic catecholamine changes under acute stress occur independently of nicotinic stimulation. Roth KA, et al. **Neurosci Lett** 1982 Jan 22;28(1):47–50

Persisting effects on adult brain monoamines of neonatal distress and carbon monoxide exposure. Shellenberger MK. **Neuroscience** 1982 Mar;7(3):667–71

The correlation between swim–stress induced antinociception and [3H] leu–enkephalin binding to brain homogenates in mice. Christie MJ, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):853–7

Effects of cold–restraint stress on rat gastric and hepatic glutathione: a potential determinant of response to chemical carcinogens. Boyd SC, et al. **Physiol Behav** 1981 Aug; 27(2):377–9

Involvement of opioid peptides in the inhibition of oxytocin release by heat stress in lactating mice. Haldar J, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):10–4

Corticosteroidogenesis and the response to stress in the developing fetal rabbit. Malee MP, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):355–62

Regional redistribution of beta–endorphin in the rat brain: the effect of stress. Barta A, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):595–8

Effects of anxiolytic drugs on the catecholamine and DOPAC (3, 4–dihydroxyphenylacetic acid) levels in brain cortical areas and on corticosterone and prolactin secretion in rats subjected to stress. Fekete MI, et al. **Psychoneuroendocrinology** 1981;6(2):113–20

Effects of chronic nicotine administration on the response and adaptation to stress. Benwell ME, et al. **Psychopharmacology (Berlin)** 1982;76(2):160–2

Effects of adrenocortical stress responses and metabolic functions during and after long–term administration of dexamethasone to adult Evans–Long rats. Bryson G, et al. **Ies Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):267–86

Trauma–induced protein in rat tissues: a physiological role for a 'heat shock' protein? Currie RW, et al. **Science** 1981 Oct 2;214(4516):72–3

Metabolic effects of ethanol in rats as studied with an intra–gastric infusion technique. III. Effects on some stress hormones. Forssell L. **Subst Alcohol Actions Misuse** 1981; 2(1):39–43

Bioenergy metabolism of gastric mucosa during stress. Martin LF, et al. **Surgery** 1982 Aug;92(2):337–47

[Nitrogen balance estimation in patients in critical condition (author's transl)] Kazda A, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):499–503 (Eng. Abstr.) **(Cze)**

[What is catabolism?] Schultis K. **Infusionsther Klin Ernahr** 1982 Apr;9(2):68–72 (Eng. Abstr.) **(Ger)**

[PMV ('predicted mean vote'): calculation of the metabolic cost of work and a comparison with heat stress indices] Fabri G, et al. **Ann Ist Super Sanita** 1981;17(3):415–7 **(Ita)**

[Changes of sorbitol dehydrogenase (SDH) activity in rats subjected to double stress (dry heat and fasting)] Gulisano G, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):445–8 **(Ita)**

[Histochemical and biochemical studies on stress ulcer in water immersion restrained rat (author's transl)] Takakura J. **Nippon Shokakibyo Gakkai Zasshi** 1981 Oct; 78(10):1901–7 (Eng. Abstr.) **(Jpn)**

[Effect of aeroions on the relationship between direct and reversed electron transfer in mitochondria under stress] Kondrashova MN, et al. **Biofizika** 1982 Jan–Feb; 27(1):76–80 (Eng. Abstr.) **(Rus)**

[Effect of cold stress on the concentration and activity of rat liver microsomal cytochrome [P–450] Deev LI, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):28–30 (Eng. Abstr.) **(Rus)**

[Participation of the lungs in regulating the activity of the kallikrein–kinin system during immobilization stress] Gomazkov OA, et al. **Biull Eksp Biol Med** 1981 Jun; 91(6):652–4 (Eng. Abstr.) **(Rus)**

[Effect of cAMP of glycolysis and glycogenolysis in the liver and adrenals of white rats] Panin LE, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):37–9 (Eng. Abstr.) **(Rus)**

[Effect of space flight factors on the stress reaction of the rat liver nuclear nucleic acid system] Komolova GS, et al. **Dokl Akad Nauk SSSR** 1981;260(1):236–9 **(Rus)**

[Glucocorticoid receptors and metabolic disorders of the liver and heart following immobilization] Bobkov AI, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1258–64 (Eng. Abstr.) **(Rus)**

[State of membrane digestion in sexually immature rats during experimental stress] Dats MS, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):58–61 (Eng. Abstr.) **(Rus)**

[Effect of immobilization stress on the diacyl and plasmalogen forms of phospholipids in different rat organs and tissues] Dembitskii VM, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):698–701 **(Rus)**

[Features of the regulation of key enzymes involved in glycolysis and the pentosephosphate shunt in tissues with different functional specializations] Panin LE, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):26–30 (Eng. Abstr.) **(Rus)**

[Role of nutrition in changes in energy metabolism in stress] Panin LE, et al. **Vopr Pitan** 1982 May–Jun;(3):15–8 **(Rus)**

[Concentration of adenylic nucleotides and creatine phosphate in the cerebral hemispheres in various manifestations of stress] Davydov VV, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):31–4 **(Rus)**

OCCURRENCE

Instructor pilot teaching behavior and student pilot stress in flight training. Krahenbuhl GS, et al. **Aviat Space Environ Med** 1981 Oct;52(10):594–7

[Combined forms of hand diseases due to functional overstrain] Gratsianskaia LN. **Gig Tr Prof Zabol** 1981; (12):12–5 (Eng. Abstr.) **(Rus)**

[Catecholamine concentration of the blood of rats after a flight on the Cosmos–936 biosatellite] Kvetnianski R, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):80–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Effect of stress on myocardial cells and blood levels of catecholamines in normal and amygdalectomized pigs. Johansson G, et al. **Can J Comp Med** 1982 Apr;46(2):176–82

Effect of Intermittent immobilization on the ultrastructure of the rat superior cervical ganglion. Heym C, et al. **J Auton Nerv Syst** 1981 Sep;4(3):283–96

Brain damage, stress, and life span: an experimental study. Wozniak D, et al. **J Gerontol** 1982 Mar;37(2):161–8

Activity–stress induced pathology in the colon and rectum of the rat. Cress GA, et al. **Physiol Behav** 1982 Jan; 28(1):191–3

Influence of activity–stress on thymus, spleen and adrenal weights of rats: possibility for an immunodeficiency model. Hara C, et al. **Physiol Behav** 1981 Aug;27(2):243–8

Effects of divided feeding on activity–stress ulcer and the thymus weight in the rat. Tsuda A, et al. **Physiol Behav** 1981 Aug;27(2):349–53

[Effect of thermal stress on the morphogenetic potencies of nephron epithelium] Mkrtchan OZ. **Biull Eksp Biol Med** 1981 Sep;92(9):352–5 (Eng. Abstr.) **(Rus)**

[Morphofunctional findings on the reversibility of changes occurring during cold stress] Ryzhavskii BIa, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):657–8 (Eng. Abstr.) **(Rus)**

[Pars distalis of the adenohypophysis in audiogenic stress] Milin R. **Glas Srp Akad Nauka [Med]** 1980;315(32):69–82 (Eng. Abstr.) **(Scc)**

[The effect of stress factors on the ultrastructure of the myocardium and creatinine kinase activity in the blood of rats premedicated with metipranolol] Tureková L, et al. **Cesk Patol** 1981 Nov;17(4):209–15 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Formalin stress reaction of germfree and conventional mice treated with Bordetella pertussis vaccine. Anderlik P, et al. **Acta Microbiol Acad Sci Hung** 1981;28(4):359–65

The physiologic recovery trajectory as the organizing principle for the quantification of hormonometabolic adaptation to surgical stress and severe sepsis. Siegel JH, et al. **Adv Shock Res** 1979;2:177–203

Biobehavioral changes in prolonged competitive stress observations of Iditarod trail sled dog mushers. Stillner V, et al. **Alaska Med** 1982 Jan–Feb;24(1):1–6

Two dimensional echocardiographic analysis of wall motion abnormalities during handgrip exercise in patients with coronary artery disease. Mitamura H, et al. **Am J Cardiol** 1981 Oct;48(4):711–9

Behavioral responses to pyrogen in cold–stressed and starved newborn rabbits. Kleitman N, et al. **Am J Physiol** 1981 Sep;241(3):R167–72

The alcoholic patient and surgical stress. Haxholdt OS, et al. **Annesthesia** 1982 Aug;37(8):797–801

Treatment of stress–induced increases in pulmonary capillary wedge pressure using volatile anesthetics. Roizen MF, et al. **Anesthesiology** 1981 Oct;55(4):446–50

Promoting wound healing in the diabetic patient. Winters B. **AORN J** 1982 May;35(6):1083–7

Differences of adrenal stress control mechanisms in subjects with glaucoma and normal subjects. Effect of vasopressin and pyrogen. Schwartz B, et al. **Arch Ophthalmol** 1981 Oct;99(10):1770–7

Reduction of myocardial wall tension during cold pressor stress after myocardial revascularization. Ellis RJ, et al. **Arch Surg** 1981 Nov;116(11):1432–6

Stress and magnesium. Classen HG. **Artery** 1981;9(3):182–9

Effects of cloxazolam and pindolol on the sympathetic and adrenal stress reaction during oral surgery in man. Brisse B, et al. **Arzneimittelforsch** 1981;31(11):1958–62

An analysis of the risk of human cardiac damage during +Gz stress: a review. Laughlin MH. **Aviat Space Environ Med** 1982 May;53(5):423–31 (96 ref.)

Heat stress in the A–10 cockpit: flights over desert. Nunneley SA, et al. **Aviat Space Environ Med** 1981 Sep;52(9):513–6

Beta blockade and the effects of stress on the normal and ischaemic heart. Prichard BN. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 2):S9–18

Propranolol in experimentally induced stress. Taylor EA, et al. **Br J Psychiatry** 1981 Dec;139:545–9

Nociception in mice after chronic stress and chronic narcotic antagonists during maturation. Larson AA. **Brain Res** 1982 Jul 15;243(2):323–8

Attenuation of the stress response to cardiopulmonary bypass by the addition of pulsatile flow. Philbin DM, et al. **Circulation** 1981 Oct;64(4):808–12

Decrease in sympathetic nervous system activity and attenuation in response to stress following renal denervation in the one–kidney one–clip Goldblatt hypertensive rat. Katholi RE, et al. **Clin Exp Hypertens [A]** 1982;4(4–5):707–16

Molecular and cellular effects of heat–shock and related treatments of mammalian tissue–culture cells. Thomas GP, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):985–96

Effect of dexamethasone on pituitary–adrenocortical response to acute irradiation stress in rats. Malatová Z, et al. **Endocrinol Exp (Bratisl)** 1981 Sep;15(3):205–10

Storage of anterior lobe adrenocorticotropin in corticotropes and a subpopulation of gonadotropes during the stress–nonresponsive period in the neonatal male rat. Childs GV, et al. **Endocrinology** 1982 May;110(5):1676–92

Stress–induced inhibition of the plasma corticosterone response to a subsequent stress in rats: a nonadrenocorticotropin–mediated mechanism. De Souza EB, et al. **Endocrinology** 1982 Jan;110(1):23–33

Forebrain structures which mediate the effects of stress on prolactin and growth hormone secretion in the rat. Mioduszewski R, et al. **Endocrinology** 1982 Jun; 110(6):1972–6

Physiological responses to high radiant heat exposure. Kamon E, et al. **Environ Res** 1982 Jun;28(1):96–105

Effect of restricted potassium intake on its excretion and on physiological responses during heat stress. Malhotra MS, et al. **Eur J Applied Physiol** 1981;47(2):169–79

A profile of the gastric ulcerogenic activity of benoxaprofen compared with other nonsteroidal anti–inflammatory drugs in rats, stressed or given alcohol, and in pigs. Rainsford KD. **Eur J Rheumatol Inflamm** 1982;5(2):148–64

Chronic and acute stress interrelationship: corticosterone response. Armario A, et al. **Horm Metab Res** 1981 Jul; 13(7):413–4

Effects of a high fat diet and electric stress on adenylate cyclase activity and insulin release in isolated islets of Langerhans. Yamaguchi K, et al. **Horm Metab Res** 1982 Mar;14(3):117–21

Plasma norepinephrine during stress in essential hypertension. Goldstein DS. **Hypertension** 1981 Sep–Oct;3(5):551–6

Effects of bromocriptine on responses to stress in spontaneously hypertensive rats. Sowers JR. **Hypertension** 1981 Sep–Oct;3(5):544–50

Effect of glucose on behavioural & biochemical changes in brain of rats exposed to heat stress. Lahiri S, et al. **Indian J Exp Biol** 1981 Apr;19(4):401–2

Effect of high ambient temperature induced heat stress on the functions of small intestine and colon in albino rats. Sharma RK, et al. **Indian J Med Res** 1982 Apr;75:593–606

Impairment of blood–brain barrier (BBB) in rat by immobilization stress: role of serotonin (5–HT). Sharma HS, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun; 25(2):111–22

Variations in brain and heart acetylcholine content in rat: cervical dislocation vs guillotine technique. Venkataraman BV, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):289–91

Cardiovascular effects of diltiazem in healthy volunteers at rest, supine and erect, and during physical and mental stress. Magometschnigg D, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):514–8

Spianchnic vasoconstriction in heat–stressed men: role of renin–angiotensin system. Escourrou P, et al. **J Appl Physiol** 1982 Jun;52(6):1438–43

Organization of cardiovascular functions under experimental emotional stress. Sudakov KV. **J Auton Nerv Syst** 1981 Jul;4(2):165–80

Family history of hypertension, gender, and cardiovascular reactivity and stereotypy during stress. Jorgensen RS, et al. **J Behav Med** 1981 Jun;4(2):175–89

Effects of immobilization stress on regional cerebral blood flow in the conscious rat. Ohata M, et al. **J Cereb Blood Flow Metab** 1981;1(2):187–94

Development of hypothalamic–pituitary–adrenal response to stress in rats made hypothyroid by exposure to thiouracil from conception. Meserve LA, et al. **J Endocrinol** 1981 Sep;90(3):403–9

Adrenocortical responses and changes during the oestrous cycle in mice: effects of male presence, male urine and housing conditions. Nichols DJ, et al. **J Endocrinol** 1981 Nov;91(2):263–9

The role of consciousness in stress–induced analgesia. Jensen TS, et al. **J Neural Transm** 1981;52(1–2):55–60

Cardiovascular responses to acute and subchronic treatment with oxprenolol in spontaneously hypertensive rats at rest and at stress. Kawashima K. **J Pharmacobiodyn** 1981 Aug; 4(8):632–8

Pharmacological actions of ginseng saponin in stressed mice. Kita T, et al. **J Pharmacobiodyn** 1981 Jun;4(6):381–93

Experimental partial sympathicotonia, and effects of some drugs on it in restraint and water immersion stressed animals. Yoneda R, et al. **J Pharmacobiodyn** 1980 Dec; 3(12):692–701

Hypothermia and gastric lesions in rats exposed to immobilization stress. Tanaka M, et al. **Kurume Med J** 1981; 28(3):247–53

Postural asymmetry in rats induced by stress and pain stimuli. Bakalkin GYa, et al. **Life Sci** 1982 Mar 1;30(9):779–83

Effects of naloxone on basal and stress–induced prolactin secretion, in intact, hypothalamic deafferentated, adrenalectomized, and dexamethasone–pretreated male rats. Siegel RA, et al. **Life Sci** 1982 May 17;30(20):1691–9

Modulation of antinociceptive responses following tail pinch stress. Simone DA, et al. **Life Sci** 1982 Mar 1;30(9):719–29

The mechanism of stress and immunosuppression. Richardson J, et al. **Med Hypotheses** 1981 Jun;7(6):765–80

Urinary 3–methylhistidine/creatinine ratio as a clinical tool: correlation between 3–methylhistidine excretion and metabolic and clinical states in healthy and stressed premature infants. Seashore JH, et al. **Metabolism** 1981 Oct; 30(10):959–69

Corticosteroid modulation and stress–induced analgesia in rats. Mousa S, et al. **Neuroendocrinology** 1981 Nov; 33(5):317–9

Thalamic–hypothalamic interrelationships and stress–induced rebounding adrenocortical response in the pigeon. Ramade F, et al. **Neuroendocrinology** 1982 Jan;34(1):7–13

Hypothalamic deafferentation in the rat appears to discriminate between the anterior lobe and intermediate lobe response to stress. Vermes I, et al. **Neurosci Lett** 1981 Nov 18;27(1):89–93

Limbic hypertension induced by stress and septal stimulation. Stress–locked–in hypertension. Andy OJ, et al. **Pavlov J Biol Sci** 1981 Apr–Jun;16(2):80–9

Enhancement of stress–induced analgesia in adrenalectomized mice: its reversal by dexamethasone. Marek P, et al. **Pharmacol Biochem Behav** 1982 Mar; 16(3):403–5

The role of neurotransmitters in stress–induced antinociception (SIA). Snow AE, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):47–50

Physiological and behavioral responses of New Zealand hypertensive and normotensive rats to stress. McCarty R. **Physiol Behav** 1982 Jan;28(1):103–8

The sources of odors from stressed rats. Mackay–Sim A, et al. **Physiol Behav** 1981 Sep;27(3):511–3

Stress related effects in the control of sexual receptivity and in the secretion of progesterone by the adrenals in cyclic female rats. Plas–Roser S, et al. **Physiol Behav** 1981 Aug; 27(2):261–4

Influence of nerve lesions, strain differences and continuous cold stress on chronic pain behavior in rats. Wiesenfeld Z, et al. **Physiol Behav** 1981 Oct;27(4):735–40

Diverse forms of stress lead to new patterns of gene expression through a common and essential metabolic pathway. Hammond GL, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3485–8

Pictet–Spengler condensation products, stress and alcoholism: some clinical overtones. Sandler M, et al. **Prog Clin Biol Res** 1982;90:215–26

Adaptation to the tumor–enhancing effects of stress. Sklar LS, et al. **Psychosom Med** 1981 Aug;43(4):331–42

Endorphinergic systems and the response to stress. Millan MJ, et al. **Psychother Psychosom** 1981;36(1):43–56

Gastric secretion, mucosal erosions and porto–systemic gastrin gradients as influenced by different degrees of stress in the rat. Wolf U, et al. **Res Exp Med (Berl)** 1981; 179(3):229–37

Hazards of heat exposure. A review. Dukes–Dobos FN. **Scand J Work Environ Health** 1981 Jun;7(2):73–83 (34 ref.)

Adrenal medullary enkephalin–like peptides may mediate opioid stress analgesia. Lewis JW, et al. **Science** 1982 Aug 6;217(4559):557–9

Corticosterone: a critical factor in an opioid form of stress–induced analgesia. MacLennan AJ, et al. **Science** 1982 Mar 19;215(4539):1530–2

Fetal cardiovascular responses to stress. Rudolph AM, et al. **Semin Perinatol** 1981 Apr;5(2):109–21 (53 ref.)

[A pharmacological study on Astragalus membranceous root—effect on the irritable state in rats (author's transl)] Song CS. **Chung Yao Tung Pao** 1981 Jul;6(4):31–4 **(Chi)**

[Endorphins and stress] Horáček J, et al. **Cas Lek Cesk** 1981 Sep 17;120(37):1105–7 (Eng. Abstr.) **(Cze)**

['Capacity of the aged for stress. Capacity for stress and the somatic aging process] Hollander CF. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1669–71 **(Dut)**

[Forms of reaction of the autonomic nervous system and endocrine regulation in stress] Visser P. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1653–5 **(Dut)**

[Oneror ergo sum, I am burdened and therefore I am] Voorhoeve PE. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1648–51 **(Dut)**

[The nature of stress] Huttunen MO. **Duodecim** 1981; 97(20):1722–7 **(Fin)**

[Immunologic assessment and acoustic 'stressing situation' in an experimental system BALB/c mice, the Tsc–3T3 tumor] Favre R, et al. **C R Seances Acad Sci [III]** 1982 Jan 18; 294(3):159–64 (Eng. Abstr.) **(Fre)**

[Stress–induced analgesia (author's transl)] Willer JC, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1389–91 (Eng. Abstr.) **(Fre)**

['Gut dependence' of the ileum of the stressed rat] Nieber K, et al. **Pharmazie** 1982 Mar;37(3):227 **(Ger)**

[Adaptation of bone structure to mechanical stress (author's transl)] Amtmann E, et al. **Z Morphol Anthropol** 1981; 72(1):1–21 (Eng. Abstr.) **(Ger)**

[Stress and aging (author's transl)] Martin R, et al. **ZFA (Dresden)** 1980;35(5):375–80 (Eng. Abstr.) **(Ger)**

[Physiological characteristics of glass factory workers under thermal stress] Zannini D, et al. **Ann Ist Super Sanita** 1981; 17(3):409–12 **(Ita)**

[Blood levels of catecholamines, cyclic AMP and cyclic GMP in endogenous adrenergic stimulation (cold pressor test and hand–grip) in humans] Nami R, et al. **Boll Soc Ital Cardiol** 1981;26(5):457–63 (Eng. Abstr.) **(Ita)**

[Changes of blood pressure and regional blood flow in SART rats and drug actions on these changes (author's transl)] Hata T, et al. **Nippon Yakurigaku Zasshi** 1982 Apr; 79(4):335–42 (Eng. Abstr.) **(Jpn)**

[Effects of tofisopam on the physiological changes induced by stress loading and hypothalamic stimulation (author's transl)] Ohnishi H, et al. **Nippon Yakurigaku Zasshi** 1981 Sep;78(3):139–44 (Eng. Abstr.) **(Jpn)**

[Effects on the manual function of men wearing cold–protective clothing to cold stress (author's transl)] Tanaka M, et al. **Sangyo Igaku** 1981 Jan;23(1):72–8 (Eng. Abstr.) **(Jpn)**

[Effects of control on cardiovascular changes and coronary–prone behavior pattern (author's transl)] Hashimoto T. **Shinrigaku Kenkyu** 1981 Feb;51(6):356–9 (Eng. Abstr.) **(Jpn)**

[Effect of stress on uterine contraction in cows] Dejneka J, et al. **Pol Arch Weter** 1981;23(1):71–8 (Eng. Abstr.) **(Pol)**

[Stress and the endocrine system] Kniażewski B, et al. **Pol Tyg Lek** 1982 Apr 5;37(4–5):139–42 (36 ref.) **(Pol)**

[Evaluation of the effect of stress in the development of experimental paracoccidioidomycosis] Kerr IB, et al. **Rev Bras Biol** 1981 Aug;41(3):595–8 (Eng. Abstr.) **(Por)**

[Behavior of plasma level of acid phosphatase in pregnant rats subjected to acute stress and previously treated with 1–isopropylamine–3–(1–naphthyl–oxy)–2–propranolol hydrochloride] Kulay MN, et al. **Rev Paul Med** 1981 Jul–Sep;97(7–9):106–9 (Eng. Abstr.) **(Por)**

[Role of the central gray substance in activating the analgesic systems of the rat bran under stress] Bragin EO, et al. **Biull Eksp Biol Med** 1982 May;93(5):22–4 (Eng. Abstr.) **(Rus)**

[Endogenous stress reaction as a possible mechanism of aging] Zgurskiĭ AA. **Dokl Akad Nauk SSSR** 1981;261(1):233–5 **(Rus)**

[Hypophyseo–thyroid system in stress stenocardia and myocardial infarct with favorable and unfavorable course] Nabiulin MS, et al. **Kardiologiia** 1982 Apr;22(4):78–80 (Eng. Abstr.) **(Rus)**

[Stress and biological rhythms] Stepanova SI. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):16–20 (Eng. Abstr.) **(Rus)**

[Response of the rat pituitary–adrenal system to stress during early postnatal development] Koriakina LA, et al. **Ontogenez** 1981;12(1):40–5 (Eng. Abstr.) **(Rus)**

[Response of the blood system of adrenalectomized mice to exposure to stress] Gorizontov PD, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):36–9 (Eng. Abstr.) **(Rus)**

[The myocardium and changes in corticosteroid activity] Bakman SM. **Ter Arkh** 1982;54(5):108–11 **(Rus)**

[Lysosomes under stress conditions] Maianskaia NN, et al. **Usp Sovrem Biol** 1981 Jul–Aug;92(1):64–80 (161 ref.) **(Rus)**

[Psychological components of stress. Part II (author's transl)] Vargas Fernández L. **Rev Med Chil** 1981 Jun;109(6):533–41 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Anti–stress activity of Ocimum sanctum Linn. Bhargava KP, et al. **Indian J Med Res** 1981 Mar;73:443–51

Oxprenolol reduces transient stress [letter] Pocock DA, et al. **Med J Aust** 1982 Jul 10;2(1):13

[The anti–stress effect of saponins extracted from panax ginseng fruit and the hypophyseal–adrenal system (author's transl)] Zhang SC, et al. **Yao Hsueh Hsueh Pao** 1981 Nov; 16(11):860–3 (Eng. Abstr.) **(Chi)**

[Natural adrenal cortex extract in the prevention of operative stress in obstetrics and gynecology] Masin G, et al. **Clin Ter** 1981 Oct 31;99(2):131–7 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Stress–induced analgesia: A performance deficit or a change in pain responsiveness? Blair R, et al. **Behav Neural Biol** 1982 Feb;34(2):152–8

On the meaning of sports: cross cultural observations of super stress. Pierce CM, et al. **Cult Med Psychiatry** 1982 Mar; 6(1):11–28

Early stress effects on growth and adult behavior in Poecilia reticulata. Newton BJ. **Dev Psychobiol** 1982 May; 15(3):211–20

Performance and strain in short–cycled repetitive work. Khaleque A. **Int Arch Occup Environ Health** 1981; 48(4):309–17

Recovery from surgery and scores on the Defense Mechanisms Inventory. Wilson JF. **J Pers Assess** 1982 Jun; 46(3):312–9

Stress and psychosomatic illness. Kimball CP. **J Psychosom Res** 1982;26(1):63–71

Stress and the practice of medicine—the myth and reality. Krakowski AJ. **J Psychosom Res** 1982;26(1):91–8

Adaptation effects on activity–stress ulcers in rats. Glavin GB. **Pavlov J Biol Sci** 1982 Jan–Mar;17(1):42–4

Interaction of acute and chronic stress with respiration: modification by naloxone. Isom GE, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):599–603

Further analysis of the specificity of a novel animal model of depression—effects of an antihistaminic, antipsychotic and anxiolytic compound. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):979–82

Animal model of depression: tests of three structurally and pharmacologically novel antidepressant compounds. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):973–7

Animal model of depression: pharmacological sensitivity of a hedonic deficit. Katz RJ. **Pharmacol Biochem Behav** 1982 Jun;16(6):965–8

A further parametric study of imipramine in an animal model of depression. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):969–72

Behavioral response of the genetically obese (ob/ob) mouse to heat stress: effects of naloxone and prior exposure to immobilization stress. Amir S. **Physiol Behav** 1981 Aug; 27(2):249–53

Septal lesions, emotionality, and restraint–induced stomach pathology in rats. Henke PG. **Physiol Behav** 1982 Apr; 28(4):739–41

The effect of pregnancy and stress on the onset of placentophagia in Long–Evans rats. Kristal MB, et al. **Physiol Behav** 1981 Oct;27(4):591–5

Tail pinch behavior and analgesia in diabetic mice. Levine AS, et al. **Physiol Behav** 1982 Jan;28(1):39–43

Effects of malnutrition, maternal stress, or ACTH injections during pregnancy on sexual behavior of male offspring. Rhees RW, et al. **Physiol Behav** 1981 Nov;27(5):879–82

Influence of feeding situation on stomach ulcers and organ weights in rats in the activity–stress ulcer paradigm. Tsuda A, et al. **Physiol Behav** 1982 Feb;28(2):349–52

Responses of terrestrial slugs to secretions of stressed conspecifics. Landauer MR, et al. **Psychol Rep** 1981 Oct; 49(2):617–8

[Psychological components of stress. Part II (author's transl)] Vargas Fernández L. **Rev Med Chil** 1981 Jun;109(6):533–41 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Stress fractures in young athletes. Orava S, et al.

Arch Orthop Trauma Surg 1981;98(4):271–4

THERAPY

Ginseng and the hypothalamic–pituitary control of stress. Fulder SJ. **Am J Chin Med** 1981 Summer;9(2):112–8

[Elimination of changes in mitochondrial respiration during stress by negative aero–ions] Kondrashova MN, et al. **Biofizika** 1981 Jul–Aug;26(4):687–91 (Eng. Abstr.) **(Rus)**

URINE

Excretion of beta–phenethylamine is elevated in humans after profound stress. Paulos MA, et al. **Science** 1982 Feb 26; 215(4536):1127–9

[Stress and risk of urolith formation. I. The influence of stress on lithogenous urinary substances (author's transl)] Brundig P, et al. **Urol Int** 1981;36(3):199–207 (Eng. Abstr.) **(Ger)**

VETERINARY

Correlation between some serum parameters, preslaughter stress and occurrence of PSE meat in pigs. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1981;29(2):165–72

Influence of stress on some blood constituents in reindeer (Rangiferi tarandus L). Rehbinder C, et al. **Acta Vet Scand** 1981;22(3–4):480–92

Delayed–type hypersensitivity, contact sensitivity, and phytohemagglutinin skin–test responses of heat– and cold–stressed calves. Kelley KW, et al. **Am J Vet Res** 1982 May;43(5):775–9

Stress and immune function: a bibliographic review. Kelley KW. **Ann Rech Vet** 1980;11(4):445–78 (293 ref.)

Effect of stress on steroid hormone levels in racehorses. Baker HW, et al. **Aust Vet J** 1982 Feb;58(2):70–1

Heat stress and diarrhoea in neonatal calves [letter] Mitchell PJ, et al. **Aust Vet J** 1981 Aug;57(8):392

Some muscle and growth characteristics of pigs susceptible to stress. Mitchell G, et al. **Br Vet J** 1981 Jul–Aug; 137(4):374–80

Bovine salmonellosis attributed to Salmonella anatum–contaminated haylage and dietary stress. Glickman LT, et al. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1268–72

Blood lactate kinetics in normal and stress–susceptible pigs. Darrah PS, et al. **J Anim Sci** 1981 Oct;53(4):1000–5

Failure of stress and supplemental lighting to affect release of prolactin in swine. Hoagland TA, et al. **J Anim Sci** 1981 Aug;53(2):467–72

Behavioral stress and skeletal muscle glycogen metabolism in young bulls. McVeigh JM, et al. **J Anim Sci** 1982 Apr; 54(4):790–5

Influence of preshipment management on the adrenal response of beef calves to ACTH before and after transit. Phillips WA, et al. **J Anim Sci** 1982 Apr;54(4):697–703

Repeated acute stress during the follicular phase and luteinizing hormone surge of diary heifers. Stoebel DP, et al. **J Dairy Sci** 1982 Jan;65(1):92–6

Inheritance of porcine stress syndrome. Mabry JW, et al. **J Hered** 1981 Nov–Dec;72(6):429–30

Pregnancy outcome following jet transport stress in nonhuman primates. Sackett GP. **J Med Primatol** 1981; 10(2–3):149–54

Potentiation of keystone virus infection in cotton rats by glucocorticoid–induced stress. McLean RG. **J Wildl Dis** 1982 Apr;18(2):141–8

The effect of prolonged heat stress on adrenal weight, cholesterol, and corticosterone in White Pekin ducks. Hester PY, et al. **Poult Sci** 1981 Jul;60(7):1583–6

Some genetic parameters involving poststress performance traits in chickens. Lowe PC, et al. **Poult Sci** 1981 Mar; 60(3):505–8

Influence of prior hauling on pathogenesis of Pasteurella multocida in turkeys. Simensen E, et al. **Poult Sci** 1981 Oct;60(10):2221–5

Effects of dietary protein level and environmental temperature stress on growth of young ring–necked pheasants. Warner RE, et al. **Poult Sci** 1982 Apr; 61(4):673–6

Effects of repeated injections of glucagon on the stress response of the immature fowl. Freeman BM. **Res Vet Sci** 1982 May;32(3):343–6

[Pathohistological and electron microscopic studies of swine skeletal muscles following defined exposure to stress––comparison between low–mobility and high–mobility conditions] Johannsen U, et al. **Arch Exp Veterinarmed** 1981;35(5):641–60 (Eng. Abstr.) **(Ger)**

[Oxygen uptake (VO2) and carbon dioxide discharge (VCO2) in swine exposed to exhaustive physical stress] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981;35(5):725–36 (Eng. Abstr.) **(Ger)**

[The diagnostic significance of isoenzymes of creatine–kinase (CK) in pigs (author's transl)] Bickhardt K, et al. **DTW** 1981 Sep 5;88(9):368–71 (Eng. Abstr.) **(Ger)**

[Investigations on the stress syndrome at turkeys––influence of ACTH and excitement upon glucose concentration and white blood cells (author's transl)] Jaksch W, et al. **DTW** 1982 Jan 5;89(1):28–30 (Eng. Abstr.) **(Ger)**

[Halothane genotypes, corticosteroids and lactate dehydrogenase in swine] Lunow J, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):11–8 (Eng. Abstr.) **(Ger)**

STRESS DISORDERS, POST–TRAUMATIC

DIAGNOSIS

Assessment of Viet Nam veterans for posttraumatic stress disorder in Veterans Administration disability claims. Atkinson RM, et al. **Am J Psychiatry** 1982 Sep; 139(9):1118–21

Stress disorders in Vietnam returnees: the problem continues. Case report. Nash JL, et al. **Milit Med** 1981 Aug; 146(8):582–3

Post–Vietnam syndrome: recognition and management. Friedman MJ. **Psychosomatics** 1981 Nov;22(11):931–43

Posttraumatic stress disorder in Vietnam veterans: a review. Buck OD, et al. **South Med J** 1982 Jun;75(6):704–6

[Post–traumatic conversion hysteria. A case report of hysterical paraplegia (author's transl)] De Mol J, et al. **Acta Psychiatr Belg** 1981 Jan–Feb;81(1):46–56 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Post–traumatic syndrome [letter] **J R Soc Med** 1981 Dec; 74(12):940–1

[Catamnestic aspects of neurotic recurrences after the earthquake of 4 March 1977] Meiu G, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec; 26(4):251–7 **(Rum)**

PREVENTION & CONTROL

Training for battleshock. Abraham P. **J R Army Med Corps** 1982 Feb;128(1):18–27

PSYCHOLOGY

Vietnam grief work using hypnosis. Spiegel D. **Am J Clin Hypn** 1981 Jul;24(1):33–40

Children under fire: the role of the schools. Schwartz RE. **Am J Orthopsychiatry** 1982 Jul;52(3):409–19

Evaluating prisoners of war [letter] Corcoran JF. **Am J Psychiatry** 1982 Jan;139(1):134–5

Impairment in Holocaust survivors after 33 years: data from an unbiased community sample. Eaton WW, et al. **Am J Psychiatry** 1982 Jun;139(6):773–7

Discriminant analysis of posttraumatic stress disorder among a group of Viet Nam veterans. Frye JS, et al. **Am J Psychiatry** 1982 Jan;139(1):52–6

Meanings of combat and the development of posttraumatic stress disorder. Hendin H, et al. **Am J Psychiatry** 1981 Nov; 138(11):1490–3

The unconsciousness defense as applied to post traumatic stress disorder in a Vietnam veteran. Apostle DT. **Bull Am Acad Psychiatry Law** 1980;8(4):426–30

Posttraumatic stress syndrome. Ewalt JR, et al. **Curr Psychiatr Ther** 1981;20:145–53

A transcultural observation of posttraumatic stress disorder. Sonnenberg SM. **Hosp Community Psychiatry** 1982 Jan; 33(1):58–9

'Forbidden games:' post–traumatic child's play. Terr LC. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):741–60

Vietnam and madness: dreams of schizophrenic veterans. Wilmer HA. **J Am Acad Psychoanal** 1982 Jan;10(1):46–65

Aftermath of the concentration camp: the second generation. Wilson A, et al. **J Am Acad Psychoanal** 1982 Apr; 10(2):289–313

The Lebanese Fear Inventory: a normative report. Saigh PA. **J Clin Psychol** 1982 Apr;38(2):352–5

Adjustment differences among male substance abusers varying in degree of combat experience in Vietnam. Penk WE, et al. **J Consult Clin Psychol** 1981 Jun;49(3):426–37

Impact of Event Scale: a cross–validation study and some empirical evidence supporting a conceptual model of stress response syndromes. Zilberg NJ, et al. **J Consult Clin Psychol** 1982 Jun;50(3):407–14

Males as sexual assault victims: multiple levels of trauma. Anderson CL. **J Homosex** 1981–82 Winter/Spring; 7(2–3):145–62 (12 ref.)

Electrodermal responses in post–traumatic syndromes. A pilot study of cerebral hemisphere functioning in Vietnam veterans. Brende JO. **J Nerv Ment Dis** 1982 Jun; 170(6):352–61

Vietnam veterans. Their problems continue. Walker JI, et al. **J Nerv Ment Dis** 1982 Mar;170(3):174–80

Survivors of the holocaust and their children: current status and adjustment. Leon GR, et al. **J Pers Soc Psychol** 1981 Sep;41(3):503–16

[A clinical study of reaction to trauma. The fate of a child in wartime] Eckstaedt A. **Psyche (Stuttg)** 1981 Jul; 35(7):600–10 (Eng. Abstr.) **(Ger)**

[Psychological results of the atom bomb test (1945–1963)] Wangh M. **Psyche (Stuttg)** 1982 May;36(5):401–15 **(Ger)**

[Confrontation with aggression – psychopathological patterns of behavior] Pauchard JP. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(1):135–45 (Eng. Abstr.) **(Ger)**

[Viet Nam experience in the case of a psychopath] Higuero HA. **Rev Med Panama** 1981 Sep;6(3):199–212 (Eng. Abstr.) **(Spa)**

THERAPY

Side effects of relaxation treatment. Jacobsen R, et al. **Am J Psychiatry** 1982 Jul;139(7):952–3

Imaginal flooding in the treatment of a posttraumatic stress disorder. Keane TM, et al. **J Consult Clin Psychol** 1982 Feb;50(1):138–40

STRESS, MECHANICAL

Role of articular incongruence and cartilage thickness in hip joint stresses distribution. A biphasic and two dimensional photoelastic study. Bernard PF, et al. **Acta Orthop Belg** 1982 Mar–Apr;48(2):335–44

Variations in the mechanical behavior of the rabbit cervix with endocrine state and anatomic site. Conrad JT, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):661–6

Electron–optical microscopic study of incipient dental microdamage from experimental seed and bone crushing. Peters CR. **Am J Phys Anthropol** 1982 Mar;57(3):283–301

Estimation of local myocardial stress. Janz RF. **Am J Physiol** 1982 May;242(5):H875–81

Alterations of mechanical parameters in chemically skinned preparations of rat myocardium as a function of isoenzyme pattern of myosin. Ebrecht G, et al. **Basic Res Cardiol** 1982 Mar–Apr;77(2):220–34

Measurement of strain rate behaviour in complete mandibular dentures. Ahmad R, et al. **Biomaterials** 1982 Apr;3(2):87–92

A critical review of the biomechanical stress analysis of the human femur. Gdoutos EE, et al. **Biomaterials** 1982 Jan; 3(1):2–8 (100 ref.)

Stress relaxation and creep behaviour of normal and carbon fibre reinforced acrylic bone cement. Pal S, et al. **Biomaterials** 1982 Apr;3(2):93–6

Mechanical factors in the normal and abnormal development of the skin and its derivatives. Smith DW. **Birth Defects** 1981;17(2):61–6

The effect of PGI2 and theophylline on the response of platelets subjected to shear stress. Hardwick RA, et al. **Blood** 1981 Oct;58(4):678–81

Remodelling of bone and bones. Effects of altered mechanical stress on anlages. Storey E, et al. **Br J Exp Pathol** 1982 Apr;63(2):184–93

Magnitude and distribution of trunk stresses in telecommunications engineers. Nicholson AS, et al. **Br J Ind Med** 1981 Nov;38(4):364–71

The effect of stretching on formation of myofibroblasts in mouse skin. Squier CA. **Cell Tissue Res** 1981;220(2):325–35

Mechanical interactions between four heart chambers with and without the pericardium in canine hearts. Maruyama Y, et al. **Circ Res** 1982 Jan;50(1):86–100

Ventricular wall stress. Yin FC. **Circ Res** 1981 Oct; 49(4):829–42 (63 ref.)

Functional adaptation of bone in response to sinusoidally varying controlled compressive loading of the ovine metacarpus. Churches AE, et al. **Clin Orthop** 1982 Aug; (168):265–80

The role of trauma in the pathogenesis of the osteochondroses. Douglas G, et al. **Clin Orthop** 1981 Jul–Aug;(158):28–32

The effect of continuous mechanical pressure upon the turnover of articular cartilage proteoglycans in vitro. Jones IL, et al. **Clin Orthop** 1982 May;(165):283–9

Effects of tibial components on load transfer in the upper tibia. Reilly D, et al. **Clin Orthop** 1982 May;(165):273–82

Stress changes in bone secondary to the use of a femoral canal plug with cemented hip replacement. Skinner HB, et al. **Clin Orthop** 1982 Jun;(166):277–83

Calculation of protoplast freezing strain in multicellular plant tissues. Stout DG. **Cryobiology** 1981 Oct;18(5):521–7

The Otto Aufranc Award Paper. An analysis of femoral prosthesis design: the effects on proximal femur loading. Crowninshield RD, et al. **Hip** 1981;:111–22

Techniques for implementing an in vivo bone strain gage system. Caler WE, et al. **J Biomech** 1981;14(7):503–7

Stress distributions in the acetabular region––II. Effects of cement thickness and metal backing of the total hip acetabular component. Carter DR, et al. **J Biomech** 1982; 15(3):165–70

Application of the finite element analysis to determine forces and stresses in wound closing. DeHoff PH, et al. **J Biomech** 1981;14(8):549–54

Current controversies in the stipulation of head injury criteria. Goldsmith W. **J Biomech** 1981;14(12):883–4

An analysis of stresses in a dental implant system. Lavernia CJ, et al. **J Biomech** 1981;14(8):555–60

Stress distributions in the acetabular region––I. Before and after total joint replacement. Vasu R, et al. **J Biomech** 1982; 15(3):155–64

Transient and residual stresses and displacements in self–curing bone cement – Part I: characterization of relevant volumetric behavior of bone cement. Ahmed AM, et al. **J Biomech Eng** 1982 Feb;104(1):21–7

Transient and residual stresses and displacements in self–curing bone cement – Part II: thermoelastic analysis of the stem fixation system. Ahmed AM, et al. **J Biomech Eng** 1982 Feb;104(1):28–37

Analysis of model variables and fixation post length effects on stresses around a prosthesis in the proximal tibia. Askew MJ, et al. **J Biomech Eng** 1981 Nov;103(4):239–45

The dynamic response of vascular endothelial cells to fluid shear stress. Dewey CF Jr, et al. **J Biomech Eng** 1981 Aug; 103(3):177–85

An analytical model of Pauwels' functional adaptation mechanism in bone. Firoozbakhsh K, et al.

J Biomech Eng 1981 Nov;103(4):246–52
Experimental measurements of the flow-induced shear stress distribution in the vicinity of prosthetic heart valves. Herkes WH, et al. **J Biomech Eng** 1981 Nov;103(4):267–74
A method of analyzing the three-dimensional stiffness properties of the intact human lumbar spine. Laborde JM, et al. **J Biomech Eng** 1981 Nov;103(4):299–300
Oscillatory compressional behavior of articular cartilage and its associated electromechanical properties. Lee RC, et al. **J Biomech Eng** 1981 Nov;103(4):280–92
Kinematic analysis and simulation of vertebral motion under static load–part II: simulation study. Patwardhan AG, et al. **J Biomech Eng** 1982 May;104(2):112–8
Kinematic analysis and simulation of vertebral motion under static load–part I: kinematic analysis. Soni AH, et al. **J Biomech Eng** 1982 May;104(2):105–11
The time and history-dependent viscoelastic properties of the canine medical collateral ligament. Woo SL, et al. **J Biomech Eng** 1981 Nov;103(4):293–8
Transient study of couple stress effects in compact bone: torsion. Yang JF, et al. **J Biomech Eng** 1981 Nov; 103(4):275–9
Uniaxial tension test of human skin in vivo. Wan Abas WA, et al. **J Biomed Eng** 1982 Jan;4(1):65–71
A comparative evaluation of tibial component designs of total knee prostheses. Lewis JL, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):129–35
Loads on the lumbar spine. Validation of a biomechanical analysis by measurements of intradiscal pressures and myoelectric signals. Schultz A, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):713–20
An experimental method for investigating load distribution in the cadaveric human hip. Mizrahi J, et al. **J Bone Joint Surg [Br]** 1981;63B(4):610–3
Properties of Ruffini afferents revealed by stress analysis of isolated sections of cat knee capsule. Grigg P, et al. **J Neurophysiol** 1982 Jan;47(1):41–54
Stress-strain measurement of the spinal cord of puppies and their neurological evaluation. Chang GL, et al. **J Trauma** 1981 Sep;21(9):807–10
Mechanisms of urinary continence: an animal model to study urethral responses to stress conditions. Thüroff JW, et al. **J Urol** 1982 Jun;127(6):1202–6
Deformability and osmotic fragility of phenylhydrazine-injected rat erythrocytes fractionated by Percoll density-gradients. Nagasawa T. **Jpn J Physiol** 1982; 32(2):161–70
Experimental strain analysis on the mandibular condyle under various conditions. Mongini F, et al. **Med Biol Eng Comput** 1981 Sep;19(5):521–3
Dependence of the viscoelastic response of the urinary bladder wall on strain rate. van Mastrigt R, et al. **Med Biol Eng Comput** 1981 May;19(3):291–6
Compression testing of foamed plastics and rubbers for use as orthotic show insoles. Campbell G, et al. **Prosthet Orthot Int** 1982 Apr;6(1):48–52
Mechanical performance of polyglycolic acid and polyglactin 910 synthetic absorbable sutures. Rodeheaver GT, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):835–41
A finite deformation theory of intravesical pressure and mural stress of the urinary bladder. Watanabe H, et al. **Tohoku J Exp Med** 1981 Nov;135(3):301–7
Effects of PGI2 and di-butyryl cyclic-AMP on platelets exposed to shear stress. Hardwick RA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:192–6
A new experimental method for measuring life time and crack growth of materials under multi-stage and random loadings. Stanzl S. **Ultrasonics** 1981 Nov;19(6):269–72
Observations on the structure of mechanically stretched chromatin fibrils. Bahr GF, et al. **Virchows Arch [Cell Pathol]** 1981;36(2–3):103–21
[Force exerted on the hip in walking] Maquet P, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):5–11 (Eng. Abstr.) **(Fre)**
[Calculation of forces transmitted by the intervertebral joints L4–L5 and L5–S1] Maquet P. **Acta Orthop Belg** 1981 Jan–Feb;47(1):17–32 (Eng. Abstr.) **(Fre)**
[Compression strain in the patello-femoral joint] Maquet P. **Acta Orthop Belg** 1981 Jan–Feb;47(1):12–6 (Eng. Abstr.) **(Fre)**
[Radiologic examination of the knee and ankle in stress positions (author's transl)] Meunier P, et al. **J Radiol** 1982 Mar;63(3):213–7 (Eng. Abstr.) **(Fre)**
[Analysis of relationships between physiologic time series in various force loads] Rehfeldt H, et al. **Acta Biol Med Ger** 1982;41(2–3):271–4 (Eng. Abstr.) **(Ger)**
[Changes in stress to the knee joint in skiing from a medical viewpoint with special reference to the modern ski shoe and the skiing technic] Hörterer H. **Fortschr Med** 1982 Jan 21;100(3):76–8 (Eng. Abstr.) **(Ger)**
[Biomechanical stress limits and analysis of accidents] Walz FH. **Soz Praventivmed** 1982 Feb;27(1):30–2 (Eng. Abstr.) **(Ger)**
[Behavior of the Achilles tendon reflex time under physical and psycho-nervous stress] Quaas T. **Z Gesamte Hyg** 1981 Sep;27(9):671–4 (Eng. Abstr.) **(Ger)**
[Hypothesis of distribution of stresses in the bone-muscle-tendon-ligament system considered as a variable geometry system] Lorini G, et al. **Arch Putti Chir Organi Mov** 1981;31:139–63 (Eng. Abstr.) **(Ita)**

[The rate of bone tissue deposition in the spongiosa of long bones subjected to mechanical overload] Lozupone E, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1383–8 (Eng. Abstr.) **(Ita)**
[A study on the stress analysis of the pelvis by means of the three-dimensional photoelastic experiments (author's transl)] Yoshioka Y, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Feb;55(2):209–22 (Eng. Abstr.) **(Jpn)**
[Forces occurring in bone union in plate self-compression] Granowski R, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(6):523–8 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Shear stress injury to arterial walls. Blaumanis OR, et al. **Adv Neurol** 1981;30:167–74

STRESS, PSYCHOLOGICAL

see related
CROWDING
LIFE CHANGE EVENTS

Learning anesthesiology made less stressful by increasing teacher effectiveness. Tobias R. **AANA J** 1981 Aug; 49(4):386–8
Is the coronary care unit a coronary scare unit? van der Lelie J, et al. **Acta Med Scand** 1981;210(6):497–500
The stresses of training: a resident's perception [letter] Duszlak EJ Jr, et al. **AJR** 1982 May;138(5):984–5
Stress and the medical technologist: I. A general overview. Matteson MT, et al. **Am J Med Technol** 1982 Mar; 48(3):163–8
Dealing with the effects of work-related stress. Schuler RS. **Am J Med Technol** 1982 Mar;48(3):177–82
The unspoken needs of families during high-risk pregnancies. Weil SG. **Am J Nurs** 1981 Nov;81(11):2047–9
Stress and smoking in hospital nurses. Tagliacozzo R, et al. **Am J Public Health** 1982 May;72(5):441–8
Job stress and its consequences on a group of intensive care and nonintensive care nurses. Maloney JP. **ANS** 1982 Jan; 4(2):31–42
Determinants of stress for staff in a neonatal intensive care unit. Astbury J, et al. **Arch Dis Child** 1982 Feb;57(2):108–11
The impaired resident. Loes MW, et al. **Ariz Med** 1981 Oct; 38(10):777–9
Emotional reactions to military aircraft accidents. Jones DR. **Aviat Space Environ Med** 1982 Jun;53(6):595–8
Psychological pressure in a renal unit. Pritchard M. **Br J Hosp Med** 1982 May;27(5):512–6
A stressful life. Meyers D. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):644–5
Friends and families of psychiatric patients [letter] Thornton JF, et al. **Can Med Assoc J** 1982 Jun 15;126(12):1375
Coping with the stress of medical practice. Walker JI. **Conn Med** 1981 Sep;45(9):593–6
Effect of stress, meal and neostigmine on rectosigmoid electrical control activity (ECA) in normals and in irritable bowel syndrome patients. Sarna S, et al. **Dig Dis Sci** 1982 Jul;27(7):582–91
The medical certificate: a double dilemma. Workneh F, et al. **Ethiop Med J** 1981 Apr;19(2):63–6
Psychoeducational programs for problems in living. Burnell GM, et al. **Health Soc Work** 1982 Feb;7(1):7–13
Group sessions for home hemodialysis assistants. Roy CA, et al. **Health Soc Work** 1982 Feb;7(1):50–8
Life-styles, well-being and stress. Harrison GA. **Hum Biol** 1982 May;54(2):193–202
Coping with stress at work. Frankenhaeuser M. **Int J Health Serv** 1981;11(4):491–510
Shoring up the 'buffer' of social support. Schaeffer C. **J Health Soc Behav** 1982 Mar;23(1):96–101
Stress and the physician. Roeske NC. **J Indiana State Med Assoc** 1982 Feb;75(2):108–19 (52 ref.)
Nurse burnout: what can we learn? Lavandero R. **J Nurs Adm** 1981 Nov–Dec;11(11–12):17–23
The rights of emotionally abused children [editorial] Fost N. **J Pediatr** 1982 Aug;101(2):215–6
Prospective adolescent fathers: stresses during pregnancy and implications for nursing interventions. Panzarine S, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jul;20(7):21–4
Dialogue: a link to psychosomatic illness [news] Kangilaski J. **JAMA** 1982 May 28;247(20):2760, 2767–8, 2773
Of mind and morbidity: can stress and grief depress immunity? [news] Macek C. **JAMA** 1982 Jul 23; 248(4):405–7
Burnout in nursing education. Jeglin-Mendez AM. **JNE** 1982 Apr;21(4):29–34
Firefighters' reaction to alarm, an ECG and heart rate study. Kuorinka I, et al. **JOM** 1981 Nov;23(11):762–6
Stress factors preceding postpartum psychosis: a case study of an unwed adolescent. Kuhn JC. **Matern Child Nurs J** 1982 Summer;11(2):95–108 (53 ref.)
Painting: a coping device for preschool children. Shrewsbury J. **Matern Child Nurs J** 1982 Spring;11(1):11–6
Psychological distress and patient satisfaction. Greenley JR, et al. **Med Care** 1982 Apr;20(4):373–85
The in-and-out parent: strategies for managing reentry stress. Frank M, et al. **Milit Med** 1981 Dec;146(12):846–9
Stress and physicians [letter] **N Engl J Med** 1982 Aug 26; 307(9):563–4
The effects of stress on physicians and their medical practice. McCue JD. **N Engl J Med** 1982 Feb 25;306(8):458–63
Stress and radiation carcinogenesis in mice. Kališnik M, et al. **Neoplasma** 1981;28(3):275–9
Psychosocial stresses of working women. Jacobson SF. **Nurs Clin North Am** 1982 Mar;17(1):137–44
Psychologic implications in high-risk pregnancy. Penticuff JH. **Nurs Clin North Am** 1982 Mar;17(1):69–78
Stress in nursing students: dispelling some of the myth. Carter EW. **Nurs Outlook** 1982 Apr;30(4):248–52
Life events scaling: clinical methodological issues. Miller TW. **Nurs Res** 1981 Sep–Oct;30(5):316–20A
Controllability, coping behavior, and stress-induced analgesia in the rat. Maier SF, et al. **Pain** 1982 Jan; 12(1):47–56
Nocebo: the psychologic induction of pain. Schweiger A, et al. **Pavlov J Biol Sci** 1981 Jul–Sep;16(3):140–3
The chronic pain syndrome: a physical and psychologic challenge. Florence DW. **Postgrad Med** 1981 Nov; 70(5):217–9, 222–3, 226–8
Basic survey on atomic-bomb-exposed and nonexposed twin pairs: pilot case study from a sociohistorical viewpoint. Watanabe S, et al. **Prog Clin Biol Res** 1981;69 Pt C:259–69
Children with cancer. Tyrrell S. **Public Health** 1982 Mar; 96(2):101–4
A model for assessing potential adaptation to stress. Erickson H, et al. **Res Nurs Health** 1982 Jun;5(2):93–101
Stress, morbidity, and health-related behaviour. A five-year follow-up study among metal industry employees. Aro S. **Scand J Soc Med** 1981;25:1–130
Effect of modernization on Kuwaiti women. Meleis AI. **Soc Sci Med** 1982;16(9):965–70
The background, design and use of a short interview to assess social stress and support in research and clinical settings. Jenkins R, et al. **Soc Sci Med [E]** 1981 Aug;15(3):195–203
Symptom reporting at the menopause. Kaufert P, et al. **Soc Sci Med [E]** 1981 Aug;15(3):173–84
A psychosocial intervention program for children with short stature and their families. Finley BS, et al. **Soc Work Health Care** 1981 Fall;7(1):27–34
Juvenile diabetes: current trends in psychosocial research. Kosub SM, et al. **Soc Work Health Care** 1981 Summer; 6(4):91–101
Social and emotional needs of geriatric surgery patients. Neugent MC. **Soc Work Health Care** 1981 Summer; 6(4):69–75
Development of an education program for parents of children with cancer. Rudolph LA, et al. **Soc Work Health Care** 1981 Summer;6(4):43–54
Psychosocial stress in genetic disorders: a guide for social workers. Weiss JO. **Soc Work Health Care** 1981 Summer; 6(4):17–31
Mood and sleep. II. Effects of aversive pre-sleep stimulation. Cluydts R, et al. **Waking Sleeping** 1980 Jul–Sep; 4(3):199–203
[Stress and endurance] **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1641–91 **(Dut)**
[Pain as stress. Pain and stress] Admiraal PV. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1664–6 **(Dut)**
[The family and the long-term patient cared for at home] Bakker-Lenderink A. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1686–8 **(Dut)**
[Work and stress] de Wolff CJ. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1661–4 **(Dut)**
[The burden of a difficult child] Halbertsma TE. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1675–7 **(Dut)**
[Handicaps in second generation foreigners; a diary study] Meyssen SG. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1683–4 **(Dut)**
[Serious illness as stress. Stress related to dying] Spreeuwenberg C. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1685–6 **(Dut)**
[Stress and endurance: final considerations. Stressful circumstances?] van Joursen CA. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1688–91 **(Dut)**
[The stress of special circumstances. Problems of hospitalized patients] Wendte JF. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1679–81 **(Dut)**
[Influence of the GABAergic system on eating behavior induced by the tail pinching technic in rats] Bereksi B, et al. **C R Soc Biol (Paris)** 1981;175(3):323–9 (Eng. Abstr.) **(Fre)**
[Effect of the current magnesium status on the development of stress ulcers and myocardial necroses] Classen HG. **Fortschr Med** 1981 Sep 3;99(33):1303–6 (Eng. Abstr.) **(Ger)**
[The epileptic patient from the viewpoint of the healthy partner] Späte HF. **Z Arztl Fortbild (Jena)** 1982 Mar 1; 76(5):181–3 **(Ger)**
[Experimental studies on the effects of psychic stress on the levels of blood sugar, IRI, NEFA and adrenal adrenaline (author's transl)] Hazeki H. **Igaku Kenkyu** 1980 Jan; 50(1):4–54 (Eng. Abstr.) **(Jpn)**
[A psychiatrist's remarks on the so-called concentration camp syndrome] Ryn Z. **Przegl Lek** 1981;38(1):26–9 **(Pol)**

BLOOD

Behavioral and adrenocorticoid responsiveness of squirrel

monkeys to a live snake: is flight necessarily stressful? Vogt JL, et al. **Behav Neural Biol** 1981 Aug;32(4):391–405

Effect of noise on blood pressure and 'stress' hormones. Andrén L, et al. **Clin Sci** 1982 Feb;62(2):137–41

Intralymphocytic sodium concentration as an index of response to stress and exercise in young subjects with borderline hypertension. Ambrosioni E, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):25s–27s

The relationship between high and low trait psychological stress and serum indicators of stress. Francis KT. **Experientia** 1981 Oct 15;37(10):1086–7

Mechanisms of control of prolactin release in response to apprehension stress and anesthesia-surgery stress. Corenblum B, et al. **Fertil Steril** 1981 Dec;36(6):712–5

Effect of immobilization stress & ascorbic acid on acetylcholine & plasma cortisol in albino rats. Gode JD, et al. **Indian J Exp Biol** 1981 Dec;19(12):1175–6

The effects of age on the plasma catecholamine response to mental stress in man. Barnes RF, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):64–9

Growth hormone response to psychological stress after a glucose load and its genetic determination in men with coronary heart disease. Adamson U, et al. **J Psychosom Res** 1981;25(6):573–8

Polycythemia of stress in a psychiatric hospital population: failure to replicate. Schubert DS, et al. **J Psychosom Res** 1981;25(2):109–10

Effect of surgical stress on serum lipid levels. Sane AS, et al. **Panminerva Med** 1981 Jul–Sep;23(3):207–9

Humoral indices of stress in rats. Natelson BH, et al. **Physiol Behav** 1981 Jun;26(6):1049–54

Influence of mental stress on plasma level of prostaglandins, thromboxane B2 and on circulating platelet aggregates in man. Mest HJ, et al. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):553–63

[Changes in adrenaline and noradrenaline plasma levels in essential hypertension in relation to emotional and physical stress] Pfikryl P, et al. **Vnitr Lek** 1982 Jan;28(1):1–9 (Eng. Abstr.) **(Cze)**

[Influence of psychic stress on the content of copper and zinc in blood serum] Reinhardt F, et al. **Z Gesamte Hyg** 1981 Sep;27(9):666–81 (Eng. Abstr.) **(Ger)**

[Effect of cold and emotional stresses on plasma cyclic nucleotides of normal adults (author's transl)] Mikuni M, et al. **Seishin Shinkeigaku Zasshi** 1980;82(7):444–7 **(Jpn)**

[Dynamics of noradrenaline concentration in the hepatic portal vein and atria of rats during stress] Manukhina EB, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):673–4 (Eng. Abstr.) **(Rus)**

[Effect of stress on blood level of prostaglandins in students during exams] Mest HJ, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):110–2 **(Rus)**

[Changes in the plasma renin activity of Wistar and August rats during emotional stress] Kvetnanskiĭ R, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):911–5 **(Rus)**

[Role of hormonal compounds in regulating electrolyte metabolism in emotional stress] Afonin BV, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):13–6 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

beta-Endorphin immunoreactivity and acute behavioral distress in children with leukemia. Katz ER, et al. **J Nerv Ment Dis** 1982 Feb;170(2):72–7

alpha-msh levels in cerebrospinal fluid and blood of rats during behavioral manipulations. de Rotte AA, et al. **Physiol Behav** 1982 May;28(5):765–8

CHEMICALLY INDUCED

The psychological effects of indoor air pollution. Colligan MJ. **Bull NY Acad Med** 1981 Dec;57(10):1014–26

COMPLICATIONS

Parental loss and reported childhood stress in young women who attempt suicide. Goldney RD. **Acta Psychiatr Scand** 1981 Jul;64(1):34–47

Mental stress, arrhythmias and sudden death. Lown B. **Am J Med** 1982 Feb;72(2):177–80

Stress and uveitis. Kumar A, et al. **Ann Ophthalmol** 1981 Sep;13(9):1077–80

Stress, personality, and coronary artery disease. Davies MH. **Br J Hosp Med** 1981 Oct;26(4):350, 353, 359–60

How multiple sclerosis is related to animal illness, stress and diabetes. Warren SA, et al. **Can Med Assoc J** 1982 Feb 15;126(4):377–82, 385

Stress response characteristics of adolescents with high genetic risk for essential hypertension: a five year follow-up. Falkner B, et al. **Clin Exp Hypertens** 1981; 3(4):583–91

Role of subordination in nephritis of socially stressed mice. Henry JP, et al. **Clin Exp Hypertens [A]** 1982; 4(4–5):695–705

Psychosocial stress induces tubulointerstitial nephritis unrelated to hypertension in CBA mice. Henry JP, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):483–7

Psychogenic chest pain in children. Asnes RS, et al. **Clin Pediatr (Phila)** 1981 Dec;20(12):788–91

Role of psychosocial stress in the cause of pica. Singhi S, et al. **Clin Pediatr (Phila)** 1981 Dec;20(12):783–5

Stress and behavior patterns as etiologic factors in coronary heart disease. Williams SC. **Coll Works Cardiopulm Dis** 1982 May;23:127–38 (38 ref.)

Effects of stress on blood pressure and cardiac pathology in rats with borderline hypertension. Lawler JE, et al. **Hypertension** 1981 Jul–Aug;3(4):496–505

Stress, anxiety and the dental patient: the missing specification. Lowental U. **Int Dent J** 1981 Sep;31(3):193–7

Psychological stress in orofacial neuromuscular problems. Rugh JD. **Int Dent J** 1981 Sep;31(3):202–5 (19 ref.)

Physician drug use: availability or occupational stress? Stout-Wiegand N, et al. **Int J Addict** 1981 Feb;16(2):317–30

Comparison of two modes of stress measurement: daily hassles and uplifts versus major life events. Kanner AD, et al. **J Behav Med** 1981 Mar;4(1):1–39

Challenge-induced cardiovascular response as a predictor of minor illnesses. Dembroski TM, et al. **J Human Stress** 1981 Dec;7(4):2–5

Job stress and health in working women. Penitone-Arreola-Rockwell F, et al. **J Human Stress** 1981 Dec;7(4):19–26

Symptoms of TMJ dysfunction as related to stress measured by the social readjustment rating scale. Stein S, et al. **J Prosthet Dent** 1982 May;47(5):545–8

The relationship of stress and coping ability to incidence of diseases and accidents. Stuart JC, et al. **J Psychosom Res** 1981;25(4):255–60

Emotional stress in the patient with coronary atherosclerosis. Hendrix GH. **J SC Med Assoc** 1982 Feb;78(2):67–70

A model of occupational stress. Davidson MJ, et al. **JOM** 1981 Aug;23(8):564–74 (79 ref.)

Occupational stress and illness incidence. Hoiberg A. **JOM** 1982 Jun;24(6):445–51

Syndrome of inappropriate antidiuretic hormone secretion associated with stress [letter] Clich D. **Lancet** 1982 May 15;1(8281):1131–2

Coronary artery vasospasm and emotional stress: a hypothetical link to atherosclerosis. Billman GE. **Med Hypotheses** 1981 Apr;7(4):511–3

Hyperventilation syndromes: infrequently recognized common expressions of anxiety and stress. Magarian GJ. **Medicine (Baltimore)** 1982 Jul;61(4):219–36 (186 ref.)

Academic examination stress versus menstrual cycle. Skandhan KP, et al. **Panminerva Med** 1981 Jan–Mar; 23(1):47–9

Stress and bodily illness. Cohen F. **Psychiatr Clin North Am** 1981 Aug;4(2):269–86 (134 ref.)

Transient psychoses in anorexia nervosa: a report of 7 cases. Grounds A. **Psychol Med** 1982 Feb;12(1):107–13

The role of social factors in affective disorder: an assessment of the vulnerability model of Brown and this colleagues. Solomon Z, et al. **Psychol Med** 1982 Feb;12(1):123–30

Effect of stressful stimulation on the incidence of streptozotocin-induced diabetes in mice. Huang SW, et al. **Psychosom Med** 1981 Oct;43(5):431–7

Psychosocial stress factors and the prevention of depressive illness in the elderly. Coetzee D. **S Afr Med J** 1981 Sep 19;60(12):466–71

Tardive dyskinesia—subjective discomfort from psychosocial stress [letter] Freed E. **S Afr Med J** 1982 Jul 17;62(3):80

Tumor rejection in rats after inescapable or escapable shock. Visintainer MA, et al. **Science** 1982 Apr 23;216(4544):437–9

Psychological aspects of pregnancy: some thoughts for the eighties. Chalmers B. **Soc Sci Med** 1982;16(3):323–31

Social factors in the etiology of multiple outcomes: the case of blood pressure and alcohol consumption patterns. McQueen DV, et al. **Soc Sci Med** 1982;16(4):397–418 (225 ref.)

The relation between stress and myocardial infarction: a general analysis. Maschewsky W. **Soc Sci Med** 1982; 16(4):455–62

The social context of active distress in patients with early myocardial infarction. Siegrist J, et al. **Soc Sci Med** 1982; 16(4):443–53

Psychosocial stress and its relationship to illness behavior and illnesses encountered commonly by family practitioners. Godkin MA, et al. **Soc Sci Med [E]** 1981 Aug;15(3):155–9

[Effect of psychological stress states in women with spontaneous abortions] Vasileva I. **Akush Ginekol (Sofiia)** 1981;20(4):275–9 (Eng. Abstr.) **(Bul)**

[Pain caused by stress; acute pain] Groenman NH. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1667–9 **(Dut)**

[Stress and endurance Introduction: Socially determined stress of care seekers in family practice] van Es JC. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1641–5 **(Dut)**

[Physical trauma and psychological stress in multiple sclerosis (author's transl)] Poser CM. **Rev Neurol (Paris)** 1980; 136(12):807–14 (Eng. Abstr.) **(Fre)**

[Stress and cancer] Schmale AH, et al. **Med Klin [Prax]** 1982 May 7;77(10):25–9 **(Ger)**

[Stress and risk of urolith formation. II. The influence of stress on litholytic urinary substances (author's transl)] Brundig P, et al. **Urol Int** 1981;36(4):265–73 (Eng. Abstr.) **(Ger)**

[Occupational attitude and coronary risk factors] Corbellini P, et al. **Boll Soc Ital Cardiol** 1980;25(9):1077–80 **(Ita)**

[Effect of several drugs on hypertension and cerebral monoamine oxidase activity in old rats exposed to environmental stress] Bocchini G, et al. **Clin Ter** 1981 Sep 15;98(5):501–9 **(Ita)**

[Stress and essential arterial hypertension] Pirrelli A, et al. **Recenti Prog Med** 1981 Nov;71(5):541–59 (90 ref.) **(Ita)**

[Coronary disease risk factors in persons holding responsible positions with negative and positive results of exercise test on the electrocardiogram] Prochaczek F, et al. **Med Pr** 1981;32(4):255–9 (Eng. Abstr.) **(Pol)**

[Acute (stress-induced) stomach ulcer in experimental and clinical studies] Sawicz-Birkowska K. **Wiad Lek** 1981 Mar 1;34(5):395–9 (40 ref.) **(Pol)**

[Emotional stress as a cause of secondary amenorrhea in girls] Bogdanova EA. **Akush Ginekol (Mosk)** 1981 Jul;(7):6–8 (44 ref.) **(Rus)**

[Role of stress in the pathogenesis of ischemic heart disease] Meerson FZ, et al. **Kardiologiia** 1982 May;22(5):54–61 (47 ref.) **(Rus)**

[Emotional and autonomic aspects of the pathogenesis of early stages of hypertonic disease] Vein AM, et al. **Sov Med** 1982;(3):11–4 **(Rus)**

[Emotional stress and risk factors in cardiovascular diseases] Iastrebtsova NL. **Ter Arkh** 1982;54(3):37–44 (Eng. Abstr.) **(Rus)**

[Emotional stress in the etiology of cardiovascular disorders] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1981;(9):10–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Measurement of hypothetical burnout in cystic fibrosis caregivers. Lewiston NJ, et al. **Acta Paediatr Scand** 1981 Nov;70(6):935–9

Assessment of family stress. Green CP. **J Adv Nurs** 1982 Jan;7(1):11–7

Prediction of marital distress: a 5-year follow-up. Markman HJ. **J Consult Clin Psychol** 1981 Oct;49(5):760–2

Detecting deception: the promise and the reality of voice stress analysis. Horvath F. **J Forensic Sci** 1982 Apr; 27(2):340–51 (38 ref.)

Work-stress and urinary catecholamines excretion in shift workers exposed to noise. I: Epinephrine (E) and nor-epinephrine (NE). Cesana GC, et al. **Med Lav** 1982 Mar–Apr;73(2):99–109

Work-stress and urinary catecholamines excretion in shift workers exposed to noise. II: Dopamine (DA). Cesana GC, et al. **Med Lav** 1982 Mar–Apr;73(2):110–7

Identification and management of distress in chemically dependent patients. Michaelson J, et al. **QRB** 1982 Jan; 8(1):20–3

[Empirical study of stress and anxiety in pregnant women] Koudelková A. **Cesk Gynekol** 1981 Jun;46(5):378–84 **(Cze)**

[Demand and over-demand. A statement on the diagnosis of stress and strain processes] Walschburger P, et al. **Arch Psychol (Frankf)** 1980;133(4):293–321 (Eng. Abstr.) **(Ger)**

[Victims of Nazi persecutions in the light of expert judicial opinion] Kłodziński S. **Przegl Lek** 1981;38(1):221–4 **(Pol)**

DRUG THERAPY

Beta-adrenoceptor blockade and psychic stress in man. A comparison of the acute effects of labetalol, metoprolol, pindolol and propranolol on plasma levels of adrenaline and noradrenaline. Trap-Jensen J, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):391S–395S

Decrement in 'social stress' among wild rattus rattus treated with antibiotic. Barnett SA, et al. **Physiol Behav** 1982 Mar; 28(3):483–7

[Potential side effects on occupational safety by the treatment of stress symptoms with benzodiazepines or beta blockers] Kollmeier H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyi Ergonomie** 1981 May;31(5):192–8 **(Ger)**

[Adrenaline, noradrenaline and 11-hydroxycorticosteroid during operatory stress of surgeons and after administration of oxprenolol (author's transl)] Timio M, et al. **G Ital Cardiol** 1981;11(12):2126–31 (Eng. Abstr.) **(Ita)**

[Relation between the nature of psychotropic effects on emotional reactivity and behavior in stress situations and the status of the brain's catecholaminergic systems] Bondarenko NA, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):35–8 (Eng. Abstr.) **(Rus)**

[Protection of the rat adrenergic system with gamma-hydroxybutyric acid during emotional-painful stress] Meerson FZ, et al. **Fiziol Zh SSSR** 1981 Jun; 67(6):816–22 (Eng. Abstr.) **(Rus)**

[Prevention of structural damage to myocardial DNA caused by emotionally painful stress by means of beta-adrenoreceptor and lipid peroxidation blockade] Meerson FZ, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):115–8 (Eng. Abstr.) **(Rus)**

[Evaluation of the effect of certain pharmacologic agents on the activity of the 'punishment' system] Andreev BV. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):967–74 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Increased tyrosine hydroxylase activity in frontal cortex of rats after long-term isolation stress. Toru M. **Encephale** 1982;8(2):315–7

[Changes in the glutamate dehydrogenase activity of nodose ganglion neurons in rabbits in acute experimental emotional stress] Goncharuk VD. **Biull Eksp Biol Med** 1981 Oct;

91(10):494–6 (Eng. Abstr.) **(Rus)**
[Activity of Krebs cycle dehydrogenases and tissue respiration enzymes in myocardial necrosis in rats subjected to stress] Daydov VV, et al. **Vopr Med Khim** 1982 Jul–Aug; 28(4):34–7 **(Rus)**

ETIOLOGY

The stresses of training: a preceptor's perceptions. Miller RE. **AJR** 1981 Nov;137(5):1088–91
Psychological distress in mothers of disabled children. Breslau N, et al. **Am J Dis Child** 1982 Aug;136(8):682–6
Stress and the medical technologist: II. Sources and coping mechanisms. Matteson MT, et al. **Am J Med Technol** 1982 Mar;48(3):169–76
Social class and emotional distress: (Comment on Kessler and Cleary, ASR, June 1980). Vanfossen BE, et al. **Am Sociol Rev** 1981 Oct;46(5):688–97
Professional burnout among speech-language pathologists. Miller MM, et al. **ASHA** 1982 Mar;24(3):177–81
Factors contributing to emotional distress during cancer chemotherapy. Nerenz DR, et al. **Cancer** 1982 Sep 1; 50(5):1020–7
Noise and stress: a comprehensive approach. Westman JC, et al. **Environ Health Perspect** 1981 Oct;41:291–309
Psychologic stress in intensive care unit and non-intensive care unit nursing: A review of the past decade. Gentry WD, et al. **Heart Lung** 1982 Jan–Feb;11(1):43–7
The New York City fire epidemic as a toxic phenomenon. Wallace R. **Int Arch Occup Environ Health** 1982; 50(1):33–51
Scandinavian research on stress in working life. Gardell B. **Int J Health Serv** 1982;12(1):31–41
Stress and coping in first pregnancy: couple-family physician interaction. Williamson P, et al. **J Fam Pract** 1981 Oct; 13(5):629–35
Air controller strike spotlights job stress [news] Gunby P. **JAMA** 1981 Oct 9;246(15):1632–3
Stress in the police service. Cooper CL, et al. **JOM** 1982 Jan;24(1):30–6
Executive work perceptions and the quality of working life. Kobasa SC, et al. **JOM** 1982 Jan;24(1):25–9
Prisoners of war [letter] Graham DL. **Med J Aust** 1981 Sep 19;2(6):303
Cancer and stress: counselling the cancer patient. Simonton OC, et al. **Med J Aust** 1981 Jun 27;1(13):679, 682–3
Can change damage your mental health? [news] **Nature** 1982 Jan 21;295(5846):177
Mental stress given environmental status: court delays start at Three Mile Island [news] Dickson D. **Nature** 1982 Jan 21;295(5846):179
Identifying potentially etiologic stress. Gutnik BD. **Nebr Med J** 1981 Dec;66(12):268–9
Meanwhile, back at the ranch... Gerson A. **Occup Health Saf** 1981 Oct;50(10):43–5
Tracing tension to its source. Tubbs AL. **Occup Health Saf** 1981 Oct;50(10):41–2, 52
House officer stress syndrome. Small GW. **Psychosomatics** 1981 Oct;22(10):860–9
Burnout: stresses in consultation-liaison psychiatry. Wise TN, et al. **Psychosomatics** 1981 Sep;22(9):744–51
Aspects of stress among traditionally living people in a developing country. Ramasuvha VS. **S Afr Med J** 1982 Jun 5;61(23):879–80
Health hazards and stress factors in small industry – Prevalence study in the province of Uusimaa with special reference to the type of industry and the occupational title as classifications for the description of occupational health problems. Vihma T. **Scand J Work Environ Health** 1981; 7(Suppl 3):1–149
Job demands and worker health in machine-paced poultry inspection. Wilkes B, et al. **Scand J Work Environ Health** 1981;7 Suppl 4:12–9
Stress among hospital nursing staff: its causes and effects. Gray-Toft P, et al. **Soc Sci Med [a]** 1981 Sep;15(5):639–47
[Stress in the life of women. Definition and evaluation of working women] Biener K, et al. **Fortschr Med** 1982 Feb 18;100(7):281–4 **(Ger)**
[Adaptational requirements and risks in students] Ienistea O. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec; 26(4):271–4 **(Rum)**
[Ulysses syndrome] Mercado Rodriguez U. **Rev Clin Esp** 1982 Jan 31;164(2):127–8 **(Spa)**

FAMILIAL & GENETIC

The peripheral sympathetic nervous system in rats strains selectively bred for differences in response to stress. Blizard DA, et al. **Behav Neural Biol** 1982 Mar;34(3):319–25

IMMUNOLOGY

The effect of stress on the migration of leucocytes into the peritoneal cavity of rats following injection of an inflammatory agent. Bassett JR, et al. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):651–66
Stress, adaptation, and immunity: studies in humans. Locke SE. **Gen Hosp Psychiatry** 1982 Apr;4(1):49–58 (48 ref.)

METABOLISM

Rapid changes in GABA binding induced by stress in different areas of the rat brain. Biggio G, et al. **Brain Res** 1981 Dec 21;229(2):363–9
Stress-modulated alteration of brain biogenic amines in the rat: effects of L-tryptophan. Quirce CM, et al. **Commun Psychopharmacol** 1980;4(5):371–7
Endocrine response patterns and psychological correlates. Vaernes R, et al. **J Psychosom Res** 1982;26(2):123–31
Differential effects of inescapable footshocks and of stimuli previously paired with inescapable footshocks on dopamine turnover in cortical and limbic areas of the rat. Herman JP, et al. **Life Sci** 1982 Jun 21;30(25):2207–14
Psychological stress enhances noradrenaline turnover in specific brain regions in rats. Iimori K, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):637–40
Time-related differences in noradrenaline turnover in rat brain regions by stress. Tanaka M, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):315–9
[The role of catecholamine in the pathogenesis of emotional stress induced cardiovascular diseases (author's transl)] Osada H. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(11):1849–60 **(Jpn)**
[RNA content in the structures of the autonomic nervous system of rabbits during acute emotional stress] Gorbunova AV, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):29–31 **(Rus)**
[Myocardial DNA damage and repair in emotional-painful stress] Meerson FZ, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):297–9 (Eng. Abstr.) **(Rus)**
[Lipid peroxidation and retinal damage in stress] Shvedova AA, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):24–6 (Eng. Abstr.) **(Rus)**
[Sodium content of the saliva during certain types of student neuro-emotional work] Ponomarenko II. **Gig Sanit** 1982 May;(5):29–32 (Eng. Abstr.) **(Rus)**
[Prevention of the activation of lipid peroxidation and of damage to the myocardial antioxidant systems in stress and experimental infarct] Meerson FZ, et al. **Kardiologiia** 1981 Dec;21(12):55–60 (Eng. Abstr.) **(Rus)**
[Concentration of biogenic monoamines in the autonomic ganglia of rabbits undergoing acute experimental emotional stress] Portugalov VV, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):28–32 (Eng. Abstr.) **(Rus)**
[Changes in the catecholamine content in adrenaline-synthetizing structures of the medulla oblongata in rats with different reactions to long-term immobilization] Kvetnanskiĭ R, et al. **Probl Endokrinol (Mosk)** 1981; 27(6):58–63 (Eng. Abstr.) **(Rus)**
[Activity of Krebs cycle dehydrogenase and tissue respiration enzymes in cerebral hemispheres of rats under stress] Davydov VV, et al. **Ukr Biokhim Zh** 1981 Nov–Dec; 53(6):40–4 (Eng. Abstr.) **(Rus)**

NURSING

An investigation of the influences of selected factors on nurses' inferences of patient suffering. Mason DJ. **Int J Nurs Stud** 1981;18(4):251–9

OCCURRENCE

Stress and growth factors in psychiatric residency training. Taintor Z, et al. **Psychiatr Q** 1981 Fall;53(3):162–9
Stress arousal and coping with surgery. Ray C, et al. **Psychol Med** 1981 Nov;11(4):741–6

PATHOLOGY

[Mechanism of changes in nerve cells in acute experimental emotional stress] Portugalov VV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):745–8 (Eng. Abstr.) **(Rus)**
[Changes in the volumetric density of the hypothalamic neurons of rats under long-term immobilization-pain stress] Pisarev VB. **Probl Endokrinol (Mosk)** 1982 Mar–Apr; 28(2):60–3 (Eng. Abstr.) **(Rus)**
[Ultrastructural changes in the brains of rats after sustaining acute emotional stress] Bogolepov NN, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):51–4 (Eng. Abstr.) **(Rus)**
[The effect of psychological factors on the neuroendocrine system] Milin R, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):37–41 **(Scc)**

PHYSIOLOGY

The effects of a high school stress management unit on student's heart rate and muscle tension. Richardson GE, et al. **J Sch Health** 1982 Apr;52(4):229–33

PHYSIOPATHOLOGY

Sympathetic activity in labile essential hypertension in young men. Part I. Plasma catecholamines after orthostatic and emotional stress test. Přikryl P, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):29–30
The effect on blood pressure, ECG and heart rate of psychological stress, static and dynamic muscle work. A study on members of families with known aggregation of essential hypertension. Ohlsson O, et al. **Acta Med Scand** 1982;211(1–2):113–20
Peptidergic regulation of stress-induced eating. Morley JE, et al. **Am J Physiol** 1982 Jul;243(1):R159–63
Dorsomedial hypothalamic hypophagia: self-selection of diets and macronutrients, efficiency of food utilization, 'stress eating', response to high-protein diet and circulating substrate concentrations. Bernardis LL, et al. **Appetite** 1981 Jun;2(2):103–13
The effect of stress imagery on arousal and its implications for biofeedback of the frontalis muscles. Passchier J, et al. **Biofeedback Self Regul** 1981 Sep;6(3):295–303
Acute experimental emotional stress in rabbits (physiological and cytochemical aspects). Gorbunova AV, et al. **Biol Bull Acad Sci USSR** 1981 Jan–Feb;8(1):33–9
Brain adrenergic receptors and resistance to stress. Stone EA, et al. **Brain Res** 1982 Apr 15;237(2):405–14
Role of midbrain raphe nuclei in stress-, pentobarbital-, beta-endorphin-, or TRH-induced changes in plasma PRL levels of adult male rats. Eljarmak D, et al. **Brain Res Bull** 1982 Feb;8(2):149–54
Cardiovascular reactions and autonomic nervous system of rabbits under an acute experimental emotional stress. Gorbunova AV, et al. **Cell Mol Biol** 1981;27(4):317–23
Earlier menarche, greater height and weight: a stimulation-stress factor hypothesis. Adams JF. **Genet Psychol Monogr** 1981 Aug;104(First Half):3–22 (115 ref.)
Sustained mental stress alters human jejunal motor activity. McRae S, et al. **Gut** 1982 May;23(5):404–9
Pineal thyroid relationship in psychic stress. Singh PM, et al. **Indian J Exp Biol** 1981 Jul;19(7):676–7
Cardiovascular effects of diltiazem in healthy volunteers at rest, supine and erect, and during physical and mental stress. Magometschnigg D, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):514–8
Stress, relaxation and saliva: a follow-up study involving clinical endodontic patients. Morse DR, et al. **J Human Stress** 1981 Sep;7(3):19–26
Interaction of apomorphine and stressors in the production of hyperthermia in the rabbit. Snow AE, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):335–9
Stress and chronic headache: a psychophysiological analysis of mechanisms. Feuerstein M, et al. **J Psychosom Res** 1982; 26(2):167–82
Behaviorally-induced cardiovascular reactivity among sons of reported hypertensive normotensive parents. Manuck SB, et al. **J Psychosom Res** 1981;25(4):261–9
The heart rate of students in examinations. Edmonds OP. **J Soc Occup Med** 1982 Jan;32(1):32–6
The effects of hormonal and circadian cycles, stress, and activity on levels of cyclic AMP and cyclic GMP in pituitary, hypothalamus, pineal and cerebellum of female rats. Kant GJ, et al. **Life Sci** 1981 Dec 14;29(24):2491–9
Stress, relaxation, and saliva: a pilot study involving endodontic patients. Morse DR, et al. **Oral Surg** 1981 Sep; 52(3):308–13
Time of injection determines the effect of alpha-MSH antiserum on DA neurons in psychological stress. Monnet F, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):227–9
A new experimental model of stress ulcers employing aggressive behavior in 6-OHDA-treated rats. Mine K, et al. **Physiol Behav** 1981 Oct;27(4):715–21
Young Psychophysiologist Award address, 1980. Cardiovascular responses to effortful active coping: implications for the role of stress in hypertension development. Light KC. **Psychophysiology** 1981 May; 18(3):216–25
Induced stress, situationally-specific trait anxiety, and dark focus. Miller RJ, et al. **Psychophysiology** 1982 May; 19(3):260–5
The effects of differential psychological stress and infantile handling on plasma triglyceride and aortic cholesterol levels in rats. Starzec JJ, et al. **Psychosom Med** 1981 Dec; 43(6):509–18
Endogenous opiates and stress-induced eating [letter] Antelman SM, et al. **Science** 1981 Dec 4;214(4525):1149–51
Subsensitivity to norepinephrine as a link between adaptation to stress and chronic alcohol ingestion: an hypothesis [letter] French SW. **Subst Alcohol Actions Misuse** 1980; 1(1):3–4
[Functional rheoencephalographic studies of the frontomastoid line in work associated with significant neuropsychologic stress] Dobrovolski I. **Probl Khig** 1981; 6:15–20 (Eng. Abstr.) **(Bul)**
[Determination of cardiovascular responses to emotional stress in preventive cardiology (author's transl)] Slabý A, et al. **Cas Lek Cesk** 1981 Nov 19;120(46):1393–8 (Eng. Abstr.) **(Cze)**
[Oneror ergo sum. I am burdened and therefore I am] Voorhoeve PE. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1648–51 **(Dut)**
[On the quantification of emotional stress (author's transl)] Juchmes J, et al. **Acta Psychiatr Belg** 1980 Jul–Aug; 80(4):410–2 **(Fre)**
[Changes in heart rate and blood pressure in a series of normotensive subjects before and after beta-blocker treatment (double-blind) during physical, dynamic, static and psychosensorial stress] Mallion JM, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:115–20 (Eng. Abstr.) **(Fre)**
[Blood pressure reactivity to emotional stress in uncomplicated forms of hypertension (author's transl)] Schulte W, et al. **Klin Wochenschr** 1981 Nov 16; 59(22):1243–9 (Eng. Abstr.) **(Ger)**
[Behavior of the Achilles tendon reflex time under physical and psycho-nervous stress] Quaas T. **Z Gesamte Hyg** 1981 Sep;27(9):671–4 (Eng. Abstr.) **(Ger)**
[Emotional stress and biochemical responses of completely recovered manic depressive patients (author's transl)] Nakahara T. **Seishin Shinkeigaku Zasshi** 1981;83(5):263–74

(Jpn)

[Role of histamine in body reactions during excessive loading of the central nervous system] Bugajski J. **Acta Physiol Pol** 1981;32(2 Suppl 22):165–81 (133 ref.) **(Pol)**

[Role of histamine in the body reactions during excessive central nervous system loading] Bugajski J. **Acta Physiol Pol** 1981;32 Suppl 22:165–81 (133 ref.) **(Pol)**

[Psychosomatic symptoms and disorders of bioelectrical activity of the brain in atopic dermatitis] Czubalski K, et al. **Przegl Dermatol** 1981 Mar–Apr;68(2):177–80 (Eng. Abstr.) **(Pol)**

[CFF as an index of stress of operators of control desks working in constant motion (author's transl)] Ogiński A, et al. **Przegl Lek** 1981;38(9):695–700 (Eng. Abstr.) **(Pol)**

[Effect of frequently recurring emotional stress on cardiac activity and content of monoamines] Raitses IV. **Fiziol Zh** 1982 May;28(3):302–5 **(Rus)**

[Regulation of arterial pressure during emotional stress] Lissova OI, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):849–58 **(Rus)**

[Functional status of the sympatho-adrenal system of rats during emotional-painful stress] Manukhin BN, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1182–8 (Eng. Abstr.) **(Rus)**

[Effect of an enhanced psychoemotional load on the functional indices of the cardiovascular system in 3d-year students of a medical institute] Fedorenko NM, et al. **Gig Sanit** 1981 Aug;(8):86–7 **(Rus)**

[Emotional stress against a background of fake and real state exams] Volkind NIa. **Gig Sanit** 1982 Jun;(6):81–3 **(Rus)**

[Effect of examination stress on student heart activity (based on hemodynamic data)] Volkind NIa. **Gig Sanit** 1981 Aug; (8):28–30 (Eng. Abstr.) **(Rus)**

[Contractile function disorders of the vascular wall smooth muscle as affected by emotional and pain stress] Meerson FZ, et al. **Kardiologiia** 1981 Aug;21(8):108–10 **(Rus)**

[Correlation of the central and peripheral hemodynamic components in the mechanism of hypertension under emotional stress] Sokolov EI, et al. **Kardiologiia** 1981 Sep; 21(9):21–7 (Eng. Abstr.) **(Rus)**

[Effect of motor activity on the development of arrhythmia in experimental emotional stress] Ul'ianinskil LS, et al. **Kardiologiia** 1981 Oct;21(10):64–7 (Eng. Abstr.) **(Rus)**

[Participation of the kallikrein-kinin system in microcirculatory disorders in immobilization stress] Gorizontova MP, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb; (1):7–10 (Eng. Abstr.) **(Rus)**

[Systems approach as a conceptual basis for the study of emotional stress] Iumatov EA. **Vestn Akad Med Nauk SSSR** 1982;(2):63–9 (54 ref.) (Eng. Abstr.) **(Rus)**

[Genetic and individual differences in cardiovascular disorders in rats with experimental emotional stress] Sudakov KV, et al. **Vestn Akad Med Nauk SSSR** 1981; (12):32–9 (Eng. Abstr.) **(Rus)**

[Electroencephalographic and hemodynamic indices in patients with hypertension during an emotional-mental stress] Vinnitskii AR, et al. **Vrach Delo** 1981 Nov;(11):71–4 (Eng. Abstr.) **(Rus)**

[Anti-stress role of the GABA-ergic system of the brain] Andreev BV, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):511–9 **(Rus)**

[Effect of self-stimulation of the septum pellucidum on disrupted delayed reactions in cats] Khananashvili MM, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):505–12 (Eng. Abstr.) **(Rus)**

[Effect of increasing demands on the analytic-synthetic activity of the brains of cats on self-regulation of behavior] Khananashvili MM, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):695–701 (Eng. Abstr.) **(Rus)**

[Statistical analysis of diencephalic neuronal spike activity during immobilization emotional stress in the rat] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):502–10 (Eng. Abstr.) **(Rus)**

[Microiontophoretic analysis of the chemical sensitivity of medial thalamic and ventromedial hypothalamic neurons to acetylcholine during immobilization-induced emotional stress in the rat] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):136–43 (Eng. Abstr.) **(Rus)**

[Individual features of hippocampal electrical activity and conditioned reflex behavior in dogs] Preobrazhenskaia LA. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):479–88 (Eng. Abstr.) **(Rus)**

[Effect of examination on the cardiac activity of students in junior and senior courses] Volkind NIa. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):158–60 **(Rus)**

[EEG evaluation of mental stress] Volkova IM, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1071–5 **(Rus)**

[Psychological component of human stress (author's transl)] Vargas Fernández L. **Rev Med Chil** 1981 May; 109(5):441–51 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Neonatal intensive care and stress. Walker CH. **Arch Dis Child** 1982 Feb;57(2):85–8

Stress and intensive care nursing: A ten-year reappraisal. Friedman EH. **Heart Lung** 1982 Jan–Feb;11(1):26–8

Stress prevention in dentistry. Wyll SL. **Int J Orthod** 1981 Dec;19(4):17–8

The professional support group: a model for psychiatric clinical nurse specialists. Johnson RM, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Feb;20(2):9–13

Dealing with stress in everyday life. Visotsky HM. **Proc Inst Med Chic** 1981 Jul–Sep;34(3):86–9

Preventive training in management of stress for reduction of physiological symptoms through increased cognitive and behavioral controls. Decker TW, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1327–34

Distress reduction and the effects of preparatory teaching films and patient control. Padilla GV, et al. **Res Nurs Health** 1981 Dec;4(4):375–87

Leave means never having to say I quit. Lindamood MM. **Soc Work Health Care** 1981 Winter;7(2):101–3

Stress identification for social workers in health care: a preventive approach to burn-out. Taylor-Brown S, et al. **Soc Work Health Care** 1981 Winter;7(2):91–100

[Prevention of neuroemotional stress in students during exams] Kalashnikov AA, et al. **Gig Sanit** 1982 Feb;(2):32–5 (Eng. Abstr.) **(Rus)**

[Prevention of stress injury to the heart and its hypoxic contracture by using the natural antioxidant alpha-tocopherol] Meerson FZ, et al. **Kardiologiia** 1982; 22(7):89–94 (Eng. Abstr.) **(Rus)**

[Self-stimulation reaction of animals as an antistress factor] Badikov VI. **Vestn Akad Med Nauk SSSR** 1982;(2):69–75 (Eng. Abstr.) **(Rus)**

[Psychosomatic autoregulation, an effective method of maintaining pilot work capacity during long flights] Mel'nik SG, et al. **Voen Med Zh** 1982 Apr;(4):47–50 **(Rus)**

PSYCHOLOGY

Psychophysiological risk factors of cardiovascular diseases: Psychosocial stress, personality, and occupational specificity. Slabý A. **Act Nerv Super (Praha)** 1982 Mar; 24(1):34–8

Ischemic heart disease and psychological patterns. Prevalence and incidence studies in Belgium and France. French-Belgian Collaborative Group. **Adv Cardiol** 1982; 29:25–31

Introduction to the role of psychosocial stressors in ischaemic heart disease. Kagan A. **Adv Cardiol** 1982;29:18–24

Job, psychological factors and coronary heart disease. Swedish prospective findings and US prevalence findings using a new occupational inference method. Karasek RA, et al. **Adv Cardiol** 1982;29:62–7

Job stress and coronary heart disease. Kornitzer M, et al. **Adv Cardiol** 1982;29:56–61

Hypothesis-testing and the study of psychosocial factors. Introduction and objectives of the meeting. Marmot MG. **Adv Cardiol** 1982;29:3–9

Problems raised by the application of psychometric methods to transversal and longitudinal studies. Pichot P. **Adv Cardiol** 1982;29:10–7

General Health Questionnaire, stress and outcome after ischemic heart disease episodes. Prince R, et al. **Adv Cardiol** 1982;29:113–8

Locus of control as a stress moderator: the role of control perceptions and social support. Sandler IN, et al. **Am J Community Psychol** 1982 Feb;10(1):65–80

Stress effects of sexual harassment on the job: implications for counseling. Crull P. **Am J Orthopsychiatry** 1982 Jul; 52(3):539–44

Endemic stress: the psychology of resignation and the politics of scarcity. Fried M. **Am J Orthopsychiatry** 1982 Jan; 52(1):4–19

The stress of deprivation in human relationships. Miller CH. **Am J Psychoanal** 1981 Fall;41(3):227–34

Discussion of 'The stress of deprivation in human relationships'. Miller J. **Am J Psychoanal** 1981 Fall; 41(3):235–8

Trends in the relationship between sex and psychological distress: 1957–1976. Kessler RC, et al. **Am Sociol Rev** 1981 Aug;46(4):443–52

The effects of life stress and weight on mood and eating. Slochower J, et al. **Appetite** 1981 Jun;2(2):115–25

Measuring nonspecific psychological distress and other dimensions of psychopathology. Further observations on the problem. Vernon SW, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1239–47

The factor structure of self-reported physical stress reactions. Smith JC, et al. **Biofeedback Self Regul** 1982 Mar;7(1):35–47

Effects of stress and conflict difficulty on arousal and conflict resolution. Smith BD, et al. **Br J Psychol** 1982 Feb;73(Pt 1):85–93

Noise at work [letter] Williams JM. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):731–2

Medical and social factors associated with psychological distress in a sample of community aged. Luke E, et al. **Can J Psychiatry** 1981 Jun;26(4):244–50

Anger, anxiety, guilt and increased basal and stress-induced neurogenic tone: causes or effects in primary hypertension? Sullivan PA, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):389s–392s

Idioms of distress: alternatives in the expression of psychosocial distress: a case study from South India. Nichter M. **Cult Med Psychiatry** 1981 Dec;5(4):379–408

The relationship between high and low trait psychological stress, serum testosterone, and serum cortisol. Francis KT. **Experientia** 1981 Dec 15;37(12):1296–7

Tension headache patients versus controls: a study of EMG parameters. Sutton EP, et al. **Headache** 1982 May; 22(3):133–6

Psychological stress in spouses of patients with myocardial infarction. Bedsworth JA, et al. **Heart Lung** 1982 Sep–Oct; 11(5):450–6

The effects of family/friend visits vs. staff interaction on stress/arousal of surgical intensive care patients. Fuller BF, et al. **Heart Lung** 1982 Sep–Oct;11(5):457–63

Expected unchangeability of life stress in old age. A contribution to a cognitive theory of aging. Thomae H. **Hum Dev** 1981;24(4):229–39

Beverage preference, drinking, and social stress in an urban community. Rodin MB, et al. **Int J Addict** 1982 Feb; 17(2):315–28

Psychological growth and the impact of stress in middle age. Medinger F, et al. **Int J Aging Hum Dev** 1981;13(4):247–63 (61 ref.)

The reduction of occupational stress among elderly lawyers: the creation of a functional niche. Meltzer MW. **Int J Aging Hum Dev** 1981;13(3):209–19

Surviving stress. Cudaback D, et al. **Int J Soc Psychiatry** 1982 Summer;28(2):149–52

Second generation of the Holocaust. Holocaust survivors' communication of experience to their children, and its effects. Robinson S, et al. **Isr J Psychiatr Relat Sci** 1981; 18(2):99–107

Separation and stress in the military family in Israel. Rozenzweig M, et al. **Isr J Psychiatr Relat Sci** 1981; 18(2):87–98

Depression and coping in stressful episodes. Coyne JC, et al. **J Abnorm Psychol** 1981 Oct;90(5):439–47

Cognitive correlates of teacher stress and depressive symptoms: implication for attributional models of depression. Hammen C, et al. **J Abnorm Psychol** 1982 Apr; 91(2):96–101

The effects of presleep stress on sleep-onset insomnia. Haynes SN, et al. **J Abnorm Psychol** 1981 Dec;90(6):601–6

Self-reported stresses of adolescent rape victims. Mann EM. **J Adolesc Health Care** 1981 Sep;2(1):29–33

Adversity and the nature of psychiatric disorder in the community. Bebbington PE, et al. **J Affective Disord** 1981 Dec;3(4):345–66

Disease, distress and depression. A comment. Brown GW, et al. **J Affective Disord** 1982 Mar;4(1):1–8

Demand-sensitive obsessionals. Mallinger AE. **J Am Acad Psychoanal** 1982 Jul;10(3):407–26

Stress, coping and development: some issues and some questions. Rutter M. **J Child Psychol Psychiatry** 1981 Oct; 22(4):323–56

The influence of stress upon symptom structure. Chiriboga DA, et al. **J Clin Psychol** 1981 Oct;37(4):722–8

Social avoidance and distress as a predictor of perceived locus of control and level of self-esteem. Geist CR, et al. **J Clin Psychol** 1982 Jul;38(3):611–3

Further research using a psychological diary technique to investigate psychosomatic relationships. Robbins PR, et al. **J Clin Psychol** 1982 Apr;38(2):356–9

Dimensions of stress in early parenting. Weinberg SL, et al. **J Consult Clin Psychol** 1981 Oct;49(5):686–93

Impact of Event Scale: a cross-validation study and some empirical evidence supporting a conceptual model of stress response syndromes. Zilberg NJ, et al. **J Consult Clin Psychol** 1982 Jun;50(3):407–14

Student, parent, and school effects on the stress of college application. Hansell S. **J Health Soc Behav** 1982 Mar; 23(1):38–51

Women, work and stress: a review and agenda for the future. Haw MA. **J Health Soc Behav** 1982 Jun;23(2):132–44

The stress process. Pearlin LI, et al. **J Health Soc Behav** 1981 Dec;22(4):337–56

Conceptual, methodological, and theoretical problems in studying social support as a buffer against life stress. Thoits PA. **J Health Soc Behav** 1982 Jun;23(2):145–59

Occupational stress as a predictor in the turnover decision. McKenna JF, et al. **J Human Stress** 1981 Dec;7(4):12–7

Life events and personal causation: some relationships with satisfaction and distress. Reich JW, et al. **J Pers Soc Psychol** 1981 Nov;41(5):1002–12

Effects of experimental emotional stress and physical exercise on the circulation in hypertensive patients and control subjects. Groen JJ, et al. **J Psychosom Res** 1982; 26(2):141–54

Blood pressure changes during acute mental stress in hypertensive subjects using the Oxford intra-arterial system. Melville DI, et al. **J Psychosom Res** 1981; 25(6):487–97

The effectiveness of attention and rejection as coping styles: a meta-analysis of temporal differences. Mullen B, et al. **J Psychosom Res** 1982;26(1):43–9

Life stress, denial and outcome in ischemic heart disease patients. Prince R, et al. **J Psychosom Res** 1982;26(1):23–31

The effect of a standardized psychological stressor on the cardiovascular response to physical effort soon after uncomplicated myocardial infarction. Taylor CB, et al. **J Psychosom Res** 1982;26(2):263–8

Misattribution and the reduction of stress. Rupert PA, et al. **J Soc Psychol** 1982 Feb;116(First Half):73–81

Effects of stress on interpersonal distance in a simulated interview situation. Ugwuegbu DC, et al. **J Soc Psychol** 1982 Feb;116(First Half):3–7

Psychosocial forces and neural mechanisms in disease: defining the question and collecting the evidence. Wolf S. **Johns Hopkins Med J** 1982 Mar;150(3):95–100

The burned-out clinical engineer. Fennigkoh L. **Med Instrum** 1981 Nov-Dec;15(6):375-9
Effects of heart-rate biofeedback and false feedback on reactions to stressful stimulation. Carroll D, et al. **Percept Mot Skills** 1981 Oct;53(2):387-93
Subjective stress and internal-external locus of control. Lester D, et al. **Percept Mot Skills** 1981 Oct;53(2):590
Experimental stress and cystomanometric recordings of patients with primary enuresis, a preliminary report. Trombini G, et al. **Percept Mot Skills** 1982 Jun;54(3):771-7
Restraint stress inhibited healing in rats. Derr RF. **Physiol Behav** 1981 Nov;27(5):941-2
Prenatal stimulation and postnatal testosterone affects infanticide in female rats. Miley WM, et al. **Physiol Behav** 1982 Apr;28(4):627-9
Stress and psychopathology in the aged. Wilkie FL, et al. **Psychiatr Clin North Am** 1982 Apr;5(1):131-43
Existence of classical projection and the stress-reducing function of attributive projection: a reply to Sherwood. Holmes DS. **Psychol Bull** 1981 Nov;90(3):460-6
Emotional elements of mental illness: psychological concomitants of stress. Curtis JM. **Psychol Rep** 1982 Jun; 50(3 Pt 2):1207-13
Occupational stress, satisfaction, physical well being, and coping: a study of homemakers. Ivancevich JM, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):995-1005
Evaluation of experimenter as a method of reducing vascular stress. Larkin KT. **Psychol Rep** 1982 Feb;50(1):95-8
Subjective stress and sources of stress for police officers. Lester D. **Psychol Rep** 1982 Jun;50(3 Pt 2):1094
Components of stress: a factor analytic study. Lester D, et al. **Psychol Rep** 1982 Feb;50(1):326
Coping styles and competence as mediators of self-reported responses to stress. Myers HF. **Psychol Rep** 1982 Feb; 50(1):303-13
Insulators against stress: self-esteem and assertiveness. Petrie K, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):963-6
UCLA Loneliness Scale and effects of stress. Schill T, et al. **Psychol Rep** 1981 Aug;49(1):257-8
Sex differences, internal-external control, and vulnerability to life stress. Toves C, et al. **Psychol Rep** 1981 Oct;49(2):508
Stressful experiences of children: professional judgments. Yamamoto K, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1087-93
The professional stress syndrome. Gardner ER, et al. **Psychosomatics** 1981 Aug;22(8):672-3, 675, 678-80
Hospital unit stressors that nurses: primary task vs social factors. Mohl PC, et al. **Psychosomatics** 1982 Apr; 23(4):366-74
Effects of social support in the stressor-strain relationship: a Dutch sample. Winnubst JA, et al. **Soc Sci Med** 1982; 16(4):475-82
[I like stress, provided it is not too much (Byron)] Boeke PE. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1645-8 **(Dut)**
[Stress research: less production by noise?] Berner W. **Med Welt** 1982 Feb 12;33(6):3 **(Ger)**
[The psychosocial stress situations] Stumpfe KD. **Med Welt** 1981 Dec 11;32(50):1895-7 **(Ger)**
[Stress in working women. A survey study (author's transl)] Biener K. **MMW** 1981 Nov 6;123(45):1693-6 (Eng. Abstr.) **(Ger)**
[Premature myocardial infarct and social stress] Dittmann K, et al. **MMW** 1981 Nov 27;123(48):1841-2 **(Ger)**
[Stress in the occupational world] Lachnit V. **Wien Med Wochenschr** 1981;131(13-14):329-32 **(Ger)**
[Psychosocial stress and the occurrence of cancer - animal experiment results and problems] Bammer K. **Z Psychosom Med Psychoanal** 1981 Jul-Sep;27(3):253-62 (Eng. Abstr.) **(Ger)**
[Evaluation of the role of difficult situations of psychic stress during vasomotor rhinitis (author's transl)] Czubalski K, et al. **Otolaryngol Pol** 1982;36(1):31-6 (Eng. Abstr.) **(Pol)**

THERAPY

Using physical activity and recreation to cope with stress and anxiety: a review. Mobily K. **Am Correct Ther J** 1982 May-Jun;36(3):77-81 (28 ref.)
Stress management training for women on public assistance. Tablemann B, et al. **Am J Community Psychol** 1982 Jun; 10(3):357-67
The treatment of unresolved grief following loss of an infant. Turco R. **Am J Obstet Gynecol** 1981 Nov 1;141(5):503-7
Hints for dealing with employee stress. Ponthieu-Black JF. **AORN J** 1982 Jul;36(1):57-8
A comparison of stress-reduction behavioral counseling and contingent nocturnal EMG feedback for the treatment of bruxism. Casas JM, et al. **Behav Res Ther** 1982;20(1):9-15
A procedural analysis and review of relaxation training research. Hillenberg JB, et al. **Behav Res Ther** 1982; 20(3):251-60
Emotional aftershock takes its toll: Kansas City disaster haunts the survivors. Beales EH. **Hospitals** 1981 Oct 16; 55(20):26-7
An evaluation of progressive muscle relaxation on stress related symptoms in a geriatric population. De Berry S. **Int J Aging Hum Dev** 1981-82;14(4):255-69
Modularized stress management for reduction of predicted illness. Hill L, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):69-74
Stress management training in medical school. Kelly JA, et al. **J Med Educ** 1982 Feb;57(2):91-9
Training children to cope with dental treatment. Nocella J, et al. **J Pediatr Psychol** 1982 Jun;7(2):175-8
Stress factors and their effect on absenteeism in a corporate employee group. Seamonds BC. **JOM** 1982 May; 24(5):393-7
Preparation for hospitalization: a stress inoculation training program for parents and children. Meng A, et al. **Matern Child Nurs J** 1982 Summer;11(2):87-94
A stress counseling paradigm for the nonpsychiatrist. Gutnik BD. **Nebr Med J** 1982 Mar;67(3):52-4
Stress management: a multimodal approach. Field JR, et al. **Psychother Psychosom** 1980;34(4):233-40
[A 'cognitive-behavioral stress management training (CBST)' for the treatment of migraine: a controlled, behavior therapy case study] Knapp TW. **Z Klin Psychol Psychother** 1981;29(3):238-46 **(Ger)**
[Education of parents for supportive-communicative stress management intervention] Köhle P. **Z Psychol** 1981; 189(4):422-36 (Eng. Abstr.) **(Ger)**
[Information disequilibrium and methods of its correction] Brodziak A, et al. **Wiad Lek** 1981 Jul 1;34(13):1091-7 (Eng. Abstr.) **(Pol)**
[Effect of microwaves on the acupuncture points in rabbits under acute emotional stress] Vagin IuE, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):21-3 **(Rus)**
[Acute experimental emotional stress in rabbits in a modulated electromagnetic field] Gorbunova AV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):774-80 (Eng. Abstr.) **(Rus)**

URINE

Habitual catecholamine excretion and its relation to habitual distress. Forsman L. **Biol Psychol** 1980 Sep;11(2):83-97
The effects of psychosocial stress on urinary excretion of adrenaline and noradrenaline in 51- to 55- and 71- to 74-year-old men. Faucheux BA, et al. **Gerontology** 1981; 27(6):313-25
[Effect of emotional stress on catecholamine excretion in children with normal and elevated blood pressure] Nebol'sina LI, et al. **Pediatriia** 1982 Apr;(4):35-8 **(Rus)**
[Pulse rate and urinary catecholamines in cadet pilots during test flights] Debijadi R, et al. **Vojnosanit Pregl** 1982 May-Jun;39(3):163-7 **(Scr)**

STRESSFUL EVENTS see **LIFE CHANGE EVENTS**

STRIA VASCULARIS see under **COCHLEA**

STRIATE CORTEX see **VISUAL CORTEX**

STRIDOR see **RESPIRATORY SOUNDS**

STRIKES, EMPLOYEE

The anaesthetist and industrial action by ancillary workers. Reflections on the 1979 strike. Loder RE. **Anaesthesia** 1982 Apr;37(4):458-9
More industrial action in the NHS [editorial] **Br Med J [Clin Res]** 1982 May 22;284(6328):1510
Enough is enough. **Br Med J [Clin Res]** 1982 Sep 11; 285(6343):669-70
Medical detoxification admissions during the Manitoba beer and liquor strikes of 1978. Harper DW, et al. **Can J Psychiatry** 1981 Nov;26(7):481-3
Nursing workload: reacting to a nurses' strike. Fletcher DG, et al. **Dimens Health Serv** 1981 Nov;58(11):26-7, 30
Triage and transfer: preparing for a strike. Meilicke D, et al. **Dimens Health Serv** 1981 Oct;58(10):30-1, 33-4
Reacting to surprises: hospital strategy, structure and ideology. Meyer AD. **Health Care Manage Rev** 1981 Fall; 6(4):25-32
Community hospital fills void in services resulting from strike at nearby medical center [interview] Dellea EA. **Hospitals** 1982 Apr 1;56(7):61-2
A brief research note concerning nonmedical detoxification rates during the 1978 Manitoba beer and liquor strikes. Harper DW, et al. **Int J Addict** 1981 Oct;16(7):1259-62
Nurses' collective responsibility and the strike weapon. Muyskens JL. **J Med Philos** 1982 Feb;7(1):101-12
The 1978-79 INCO workers' strike in the Sudbury basin and its impact on alcohol consumption and drinking patterns. Giesbrecht N, et al. **J Public Health Policy** 1982 Mar; 3(1):22-38
Air controller strike spotlights job stress [news] Gunby P. **JAMA** 1981 Oct 9;246(15):1632-3
The state of the N.H.S. [editorial] **Lancet** 1982 Sep 11; 2(8298):587
Let those who care speak louder [editorial] **Lancet** 1982 Aug 14;2(8294):365
The PATCO problem and nursing: a comparative analysis. Veninga KS, et al. **Nurs Outlook** 1982 Apr;30(4):265-7

ECONOMICS

Strikes and cuts [editorial] **Lancet** 1982 Jul 24;2(8291):191-2

STROKE see **CEREBROVASCULAR DISORDERS**

STROKE VOLUME see under **CARDIAC OUTPUT**

STRONGYLE INFECTIONS, EQUINE

DRUG THERAPY

Effect of diethylcarbamazine on Strongylus vulgaris infection in ponies. Hofing GL, et al. **Am J Vet Res** 1982 Feb; 43(2):341-5
Controlled tests of ivermectin against migrating Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1981 Jun;42(6):1050-1
Controlled tests of fenbendazole against migrating Strongylus vulgaris in ponies. Slocombe JO, et al. **Am J Vet Res** 1982 Mar;43(3):541-2
Efficacy of injectable and oral paste formulations of ivermectin against gastrointestinal parasites in ponies. Torbert BJ, et al. **Am J Vet Res** 1982 Aug;43(8):1451-3
A field evaluation of pro-benzimidazole, benzimidazole, and non-benzimidazole anthelmintics in horses. Herd RP, et al. **J Am Vet Med Assoc** 1981 Oct 1;179(7):686-91

OCCURRENCE

Prevalence of Strongylus vulgaris and Parascaris equorum in Kentucky thoroughbreds at necropsy. Lyons ET, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):818-9

PARASITOLOGY

A random walk model for the migration of Strongylus vulgaris in the intestinal arteries of the horse. Aref S. **Cornell Vet** 1982 Jan;72(1):64-75
[Migratory behavior and occurrence of equine strongylid larvae and their importance in pasture management] Hasslinger MA. **Berl Munch Tierarztl Wochenschr** 1981 Sep 1;94(17):329-33 (Eng. Abstr.) **(Ger)**

STRONGYLOIDEA

[Observations on the spring rise of faecal strongyle egg counts in goats (author's transl)] Jansen J. **Tijdschr Diergeneeskd** 1982 Mar 1;107(5):186-9 (Eng. Abstr.) **(Dut)**
[Seasonal cycle of strongylus in cattle on Réunion Island] Barre N. **Rev Elev Med Vet Pays Trop** 1981;34(4):405-12 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Ivermectin: activity against larval Strongylus vulgaris and adult Trichostrongylus axei in experimental infections in ponies. Lyons ET, et al. **Am J Vet Res** 1982 Aug; 43(8):1449-50

GROWTH & DEVELOPMENT

One worm in the minnow equals too many in the gut [news] Gunby P. **JAMA** 1982 Jul 9;248(2):163

IMMUNOLOGY

Antigenic analyses of tissues and excretory and secretory products from Strongylus vulgaris. Wynne E, et al. **Can J Comp Med** 1981 Jul;45(3):259-65

PHYSIOLOGY

A random walk model for the migration of Strongylus vulgaris in the intestinal arteries of the horse. Aref S. **Cornell Vet** 1982 Jan;72(1):64-75

STRONGYLOIDES

Comment on parasitic diseases [letter] Chambers RA. **Drug Intell Clin Pharm** 1981 May;15(5):390

DRUG EFFECTS

Strongyloides ratti and S. stercoralis: the effects of thiabendazole, mebendazole, and cambendazole in infected mice. Grove DI. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):469-76

GROWTH & DEVELOPMENT

Effect of temperature on the larvae of Strongyloides stercoralis. Atia MM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):141-4
Some observations on coproculture of Strongyloides stercoralis. Attia MM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):103-6
Effects of prednisolone on murine strongyloidiasis. Grove DI, et al. **Parasitology** 1981 Oct;83(Pt 2):401-9

IMMUNOLOGY

Strongyloides ratti: dissociation of the rat's protective immunity into systemic and intestinal components. Bell RG, et al. **Exp Parasitol** 1981 Dec;52(3):386-95
A preliminary report on a microscopic slide preparation of Strongyloides stercoralis filariform larvae for the I.F.A.T. Azab ME, et al. **J Egypt Soc Parasitol** 1982 Jun; 12(1):237-42
Comparison of larval antigens in an enzyme-linked immunosorbent assay for strongyloidiasis in humans. Neva FA, et al. **J Infect Dis** 1981 Nov;144(5):427-32
Antibodies to Strongyloides stercoralis larval surface antigens in chronic strongyloidiasis. Genta RM, et al. **Lab Invest** 1982 Jul;47(1):87-90

Immunisation of mice against Strongyloides ratti. Dawkins HJ, et al. **Z Parasitenkd** 1982;66(3):327–33
[Cortico-adrenal reaction in rats to attempts of reinfestation by Strongyloides ratti (author's transl)] Bailenger J, et al. **Ann Parasitol Hum Comp** 1981;56(3):329–38 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Intestinal parasitism in Kentucky: an important medical and public health problem. Walzer PD. **J Ky Med Assoc** 1981 Feb;79(2):95–9

PHYSIOLOGY

A new concept of the free living cycle of Strongyloides stercoralis. Attia MM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):455–7
The occurrence of Strongyloides ratti in the tissues of mice after percutaneous infection. Dawkins HJ, et al. **J Helminthol** 1982 Mar;56(1):45–50
Strongyloides ratti: studies of 75Se-labelled larvae of the homogonic strain in female hosts. Wilson PA, et al. **Parasitology** 1982 Jun;84(Pt 3):443–54

STRONGYLOIDIASIS

COMPLICATIONS

Persistent strongyloidiasis in an immunodeficient patient. Shelhamer JH, et al. **Am J Trop Med Hyg** 1982 Jul; 31(4):746–51
Strongyloides infection and meningitis in an immunocompromised host. Vishwanath S, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):857–8
Brain stem glioma complicated by Strongyloides stercoralis. McLarnon M, et al. **Ann Clin Lab Sci** 1981 Nov–Dec; 11(6):546–9
Emphysematous gastritis secondary to disseminated strongly loidiasis. Williford ME, et al. **Gastrointest Radiol** 1982;7(2):123–6
Strongyloidiasis and chronic urticaria. Corsini AC. **Postgrad Med J** 1982 Apr;58(678):247–8
Syndrome of hyperinfection with Strongyloides stercoralis. Igra-Siegman Y, et al. **Rev Infect Dis** 1981 May–Jun; 3(3):397–407 (71 ref.)

DIAGNOSIS

Cytologic detection of parasitic disorders. Kapila K, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):359–62
Indigenous strongyloidiasis in Belgium diagnosed by Ziehl–stain of sputum. Francart H, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):461–5
Strongyloidiasis presenting as depression: a case report. Haggerty JJ Jr, et al. **J Clin Psychiatry** 1982 Aug; 43(8):340–1
A preliminary report on a microscopic slide preparation of Strongyloides stercoralis filariform larvae for the I.F.A.T. Azab ME, et al. **J Egypt Soc Parasitol** 1982 Jun; 12(1):237–42
Intestinal parasitism in Kentucky: an important medical and public health problem. Walzer PD. **J Ky Med Assoc** 1981 Feb;79(2):95–9
Strongyloidiasis: a presentation of 63 cases. Davidson RA. **NC Med J** 1982 Jan;43(1):23–5
Parasitic bowel disease: three pathogens important in primary care. Burns TW. **Postgrad Med** 1982 May;71(5):130–9 (16 ref.)
Serodiagnosis of human strongyloidiasis by an enzyme-linked immunosorbent assay. Carroll SM, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):706–9
[Cutaneous strongyloidiasis] Fiensted-Jensen J. **Ugeskr Laeger** 1982 Mar 8;144(10):721–2 (Eng. Abstr.) **(Dan)**
[Larva currens disclosing anguilluliasis 50 years after the patient's return from an endemic area (letter)] Develoux M, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2906–7 **(Fre)**
[Parasitology: a healthy 'boat person'] Viens P. **Union Med Can** 1982 Apr;111(4):361–2 **(Fre)**
[What is your diagnosis?] Werner GT. **Med Klin** 1981 Oct 23;76(22):45, 67 **(Ger)**
[How should correct, coproscopic (larvoscopic) diagnosis of strongyloidiasis be conducted?] Soroczan W. **Wiad Parazytol** 1980;26(4–5):393–7 **(Pol)**
[Comparative efficiency of different methods of helminthological diagnoses] Pliushcheva GL, et al. **Lab Delo** 1981;(12):733–5 (Eng. Abstr.) **(Rus)**
[Strongyloidiasis in East Slovakia (author's transl)] Giboda M, et al. **Bratisl Lek Listy** 1982 Feb;77(2):197–201 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Strongyloides ratti and S. stercoralis: the effects of thiabendazole, mebendazole, and cambendazole in infected mice. Grove DI. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):469–76
Treatment of strongyloidiasis with thiabendazole: an analysis of toxicity and effectiveness. Grove DI. **Trans R Soc Trop Med Hyg** 1982;76(1):114–8
Strongyloidiasis in West Virginia. Walker RB, et al. **W Va Med J** 1982 Mar;78(3):57–60
[Pharmacotherapy in Strongyloidosis (author's transl)] Bozděch V, et al. **Cas Lek Cesk** 1982 Jun 11;121(23):721–3 **(Cze)**

ETIOLOGY

Strongyloidiasis in immunosuppressed patients. Boram LH, et al. **Am J Clin Pathol** 1981 Dec;76(6):778–81

IMMUNOLOGY

Fatal strongyloidiasis after renal transplantation: a complication of immunosuppression. White JV, et al. **Am Surg** 1982 Jan;48(1):39–41
Strongyloides ratti infections in congenitally hypothymic (nude) mice. Dawkins HJ, et al. **Aust J Exp Biol Med Sci** 1982 Apr;60(Pt 2):181–6
Strongyloides ratti: dissociation of the rat's protective immunity into systemic and intestinal components. Bell RG, et al. **Exp Parasitol** 1981 Dec;52(3):386–95
Attempts to establish infections with Strongyloides stercoralis in mice and other laboratory animals. Dawkins HJ, et al. **J Helminthol** 1982 Mar;56(1):23–6
Comparison of larval antigens in an enzyme-linked immunosorbent assay for strongyloidiasis in humans. Neva FA, et al. **J Infect Dis** 1981 Nov;144(5):427–32
Antibodies to Strongyloides stercoralis larval surface antigens in chronic strongyloidiasis. Genta RM, et al. **Lab Invest** 1982 Jul;47(1):87–90
Immunity to Strongyloides ratti in rats. 1. Adoptive transfer with mesenteric lymph node cells. Moqbel R, et al. **Parasite Immunol** 1981 Autumn;3(3):181–9
Effects of prednisolone on murine strongyloidiasis. Grove DI, et al. **Parasitology** 1981 Oct;83(Pt 2):401–9
[Cortico-adrenal reaction in rats to attempts of reinfestation by Strongyloides ratti (author's transl)] Bailenger J, et al. **Ann Parasitol Hum Comp** 1981;56(3):329–38 (Eng. Abstr.) **(Fre)**
[Strongyloidiasis in the immunologically compromised patient] Quiñones Soto RA, et al. **Bol Asoc Med PR** 1981 Nov;73(11):562–6 **(Spa)**

OCCURRENCE

Epidemiologic features of Strongyloides stercoralis infection in an endemic area of the United States. Walzer PD, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):313–9

PARASITOLOGY

Brain abscess caused by Strongyloides stercoralis. Masdeu JC, et al. **Arch Neurol** 1982 Jan;39(1):62–3
The occurrence of Strongyloides ratti in the tissues of mice after percutaneous infection. Dawkins HJ, et al. **J Helminthol** 1982 Mar;56(1):45–50
Strongyloides ratti: studies of 75Se-labelled larvae of the homogonic strain in female hosts. Wilson PA, et al. **Parasitology** 1982 Jun;84(Pt 3):443–54
[Influence of the degree of infestation by Strongyloides ratti on corticosteronemia in the rat (author's transl)] Bailenger J, et al. **Ann Parasitol Hum Comp** 1981;56(3):313–5 **(Fre)**
[Parasitism and corticosteronemy in rats during repeated infestations with Strongyloides ratti] Bailenger J, et al. **Ann Parasitol Hum Comp** 1981;56(3):317–27 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Anguilluliasis and total villous atrophy (letter)] Briaud M, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):1061–3 **(Fre)**
[Fatal infection due to Strongyloides stercoralis after kidney transplantation] Müller J, et al. **Med Welt** 1981 Aug 14; 32(32–33):1210–1 **(Ger)**

PREVENTION & CONTROL

Immunisation of mice against Strongyloides ratti. Dawkins HJ, et al. **Z Parasitenkd** 1982;66(3):327–33

RADIOGRAPHY

Strongyloides stercoralis hyperinfection: sequential changes of gastrointestinal radiology after treatment with thiabendazole. Yoshida T, et al. **Gastrointest Radiol** 1981; 6(3):223–5
Pulmonary strongyloidiasis. Bruno P, et al. **South Med J** 1982 Mar;75(3):363–5

TRANSMISSION

Strongyloidiasis: is it transmitted from husband to wife? Grove DI. **Br J Vener Dis** 1982 Aug;58(4):271–2
Transmission of strongyloidiasis by kidney transplant? Disseminated strongyloidiasis in both recipients of kidney allografts from a single cadaver donor. Hoy WE, et al. **JAMA** 1981 Oct 23–30;246(17):1937–9
Reflections on the passage of Strongyloides fülleborni to human infants in mothers' milk. Rutherford AM. **Trop Doct** 1981 Oct;11(4):184–5

VETERINARY

Induction of protective immunity to Strongyloides ransomi in pigs. Murrell KD. **Am J Vet Res** 1981 Nov;42(11):1915–9
Evaluation of three immunodiagnostic procedures for porcine strongyloidiasis. Murrell KD, et al. **Am J Vet Res** 1982 Apr;43(4):702–5
The efficacy of ivermectin against Strongyloides westeri in foals. Mirck MH, et al. **Vet Q** 1982 Apr;4(2):89–91
[Epizootiologic study of strongyloidosis in foals in a breeding farm, X Region, Chile (author's transl)] Sievers G, et al. **Bol Chil Parasitol** 1981 Jan–Jun;36(1–2):23–6 (Eng. Abstr.) **(Spa)**

STRONGYLOSIS, EQUINE see **STRONGYLE INFECTIONS, EQUINE**

STRONTIUM

ANALYSIS

Strontium and diet at Hayonim Cave. Sillen A. **Am J Phys Anthropol** 1981 Oct;56(2):131–7
A morphological and electron-microprobe study of the inorganic composition of the mineralized secretory products of the calciferous gland and chloragogenous. Morgan AJ. **Cell Tissue Res** 1981;220(4):829–44
Interaction between Li, Ni and Sr content in human cancellous bone. Knuuttila M, et al. **Chem Biol Interact** 1982 May;40(1):77–83
The in situ measurement of strontium content in bone using x-ray fluorescence analysis. Snyder RE, et al. **Phys Med Biol** 1982 Apr;27(4):515–29

METABOLISM

Exchange of potassium and strontium in adult bone. Maltby B, et al. **Am J Physiol** 1982 Apr;242(4):H705–12
Uptake and accumulation of Mn2+ and Sr2+ in Saccharomyces cerevisiae. Nieuwenhuis BJ, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):83–8
EDTA enhancement of strontium uptake by intact human enamel. Friedman M, et al. **J Oral Rehabil** 1982 Jul; 9(4):327–33

PHARMACODYNAMICS

Spontaneous sweat secretion in calcium-free strontium medium. Sato K, et al. **Am J Physiol** 1982 May; 242(5):C353–9
Transepithelial potential during strontium-induced spontaneous sweating. Sato K, et al. **Am J Physiol** 1982 May;242(5):C360–5
Ultramicroscopy of hypomineralized responses in rat incisor dentine to injected strontium. Ogawa Y, et al. **Arch Oral Biol** 1981;26(3):229–36
The effects of Ca2+ and Sr2+ on Ca2+-sensitive biochemical changes in human erythrocytes and their membranes. Allan D, et al. **Biochem J** 1981 Sep 15; 198(3):441–5
Role of substrates in Sr2+-induced oscillations of ionic fluxes in rat liver mitochondria. Markefski M, et al. **Biochim Biophys Acta** 1982 Mar 16;679(3):444–51
Involvement of periodic deacylation-acylation cycles of mitochondrial phospholipids during Sr2+-induced oscillatory ion transport in rat liver mitochondria. Wiswedel I, et al. **Biochim Biophys Acta** 1982 Jun 14; 688(2):597–604
The interaction of extracellular H+, Na+, Ca2+ and Sr2+ on the decay of miniature end-plate currents. Cohen I, et al. **Brain Res** 1982 Jun 10;241(2):285–90
Effects of oral supplementation with stable strontium. Skoryna SC. **Can Med Assoc J** 1981 Oct 1;125(7):703–12
Purification of chicken gizzard myosin light-chain kinase, and its calcium and strontium sensitivities as compared with those of superprecipitation and ATPase activities of actomyosin. Uchiwa H, et al. **J Biochem (Tokyo)** 1982 Jan; 91(1):273–82
Influx of calcium, strontium, and barium in presynaptic nerve endings. Nachshen DA, et al. **J Gen Physiol** 1982 Jun; 79(6):1065–87
A comparisoin of the R25 modification of Rappaport s enrichment medium with strontium chloride B for salmonella isolation from sewage polluted natural water. Harvey RW, et al. **J Hyg (Lond)** 1982 Aug;89(1):111–7
Sr++-induced inhibition of human natural killer (NK) cell-mediated cytotoxicity. Neighbour PA, et al. **J Immunol** 1982 Mar;128(3):1236–40
Dissociation of aldosterone response to angiotensin II and potassium in the presence of strontium. Lobo MV, et al. **J Steroid Biochem** 1982 May;16(5):629–32
[Biorhythm changes in DNA synthesis in hepatocytes exposed to organophosphates and strontium-89] Burkova T, et al. **Probl Khig** 1981;6:92–100 (Eng. Abstr.) **(Bul)**

STRONTIUM RADIOISOTOPES

Concanavalin A-induced resistance to Listeria monocytogenes and activation of macrophages: defect in mice treated with 89Sr. Masuda A, et al. **Eur J Immunol** 1981 Jul;11(7):556–61
Analysis of low natural killer cell activity in 89Sr-treated mice. Mellen PF, et al. **Eur J Immunol** 1982 May; 12(5):442–5
Aging effects of the availability of strontium and cesium to plants. Cline JF. **Health Phys** 1981 Aug;41(2):293–6
Murine cytomegalovirus stimulates natural killer cell function but kills genetically resistant mice treated with radioactive strontium. Masuda A, et al. **Infect Immun** 1981 Dec; 34(3):970–9

Natural killer activity and suppressor cells in irradiated mice repopulated with a mixture of cells from normal and 89Sr-treated donors. Levy EM, et al. **J Immunol** 1981 Oct; 127(4):1428–32

ADMINISTRATION & DOSAGE

Resident macrophage proliferation in mice depleted of blood monocytes by strontium-89. Sawyer RT, et al. **Lab Invest** 1982 Feb;46(2):165–70

Effects of lifetime ingestion of 90Sr in beagle dogs. Book SA, et al. **Radiat Res** 1982 May;90(2):244–51

ADVERSE EFFECTS

Influence of 90Sr-contaminated milk on the ovaries of foetal and young mice. Rönnbäck C. **Acta Radiol [Oncol]** 1981; 20(2):131–5

Disturbances of fertility in female mice 99Sr-contaminated as foetuses. Rönnbäck C. **Acta Radiol [Oncol]** 1981; 20(5):337–43

ANALYSIS

Radioassay of low 90Sr activities by early counting of the Cerenkov radiation induced by the ingrowing daughter nuclide 90Y. Carmon B, et al. **Health Phys** 1982 Apr; 42(4):529–30

Regional representativeness of 90Sr deposition collection. Toonkel LE. **Health Phys** 1981 Dec;41(6):823–5

Fallout 239Pu, 240Pu and 90Sr in surface-air in Ibaraki-Prefecture, Japan. Yamato A. **Radioisotopes** 1981 Feb;30(2):104–8

DIAGNOSTIC USE

Simple instruction of the metabolic balance study. Krček L, et al. **Acta Univ Carol [Med] (Praha)** 1980;26(5–6):293–302

Clinical studies of bone metabolism using a simple model of calcium tracer kinetics. Roncari G. **Nuklearmedizin** 1981 Aug;20(4):183–6

[Upon dynamics of metastatic bone processes in the course of treatment of cancer of the breast. The value of radionuclear examination of the skeleton by means of 85Sr (author's transl)] Konopásek B, et al. **Sb Lek** 1981; 83(11–12):354–8 (Eng. Abstr.) **(Cze)**

METABOLISM

Effect of rat's diet on 85Sr, 115mCd, and 203Hg absorption in suckling rats. Kostial K, et al. **Environ Res** 1981 Aug; 25(2):281–5

Simultaneous reduction of radioactive strontium, caesium and iodine retention by single treatment in rats. Kostial K, et al. **Sci Total Environ** 1981 Dec;22(1):1–10

[Percutaneous resorption of 137Cs and 89Sr in acid solutions and deactivation of the burn surface] Il'in LA, et al. **Gig Sanit** 1981 Oct;(10):38–41 (Eng. Abstr.) **(Rus)**

[Mathematical model of radionuclide transport in the human intestine] Filatov VV, et al. **Med Radiol (Mosk)** 1982 Feb; 27(2):52–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

90Sr for treatment of periocular squamous cell carcinoma in the horse. Frauenfelder HC, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):307–9

Hybrid resistance to EL-4 lymphoma cells. II. Association between loss of hybrid resistance and detection of suppressor cells after treatment of mice with 89Sr. Leuvano E, et al. **Scand J Immunol** 1981;13(6):563–71

[The problem of protection in using the strontium-90 ophthalmic applicator (author's transl)] Liu JL. **Chung Hua Yen Ko Tsa Chih** 1981 Nov;17(6):356–8 **(Chi)**

[Radioactive substances (32P and 89Sr) in the treatment of pain in bone metastases] Flamm J, et al. **Z Urol Nephrol** 1981 Nov;74(11):801–6 (Eng. Abstr.) **(Ger)**

URINE

Isolation of strontium-90, yttrium-90, promethium-147, and cerium-144 from wet ashed urine by calcium oxalate coprecipitation and sequential solvent extraction. Kramer GH, et al. **Anal Chem** 1982 Jul;54(8):1428–31

STROPHANTHIDIN

[Biological activity of paramagnetic models] Zhdanov RI. **Vestn Akad Med Nauk SSSR** 1981;(6):54–7 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Effect of acetylstrophanthidin on myocardial function and K+ and Ca2+ exchange in newborn rabbit. Naklanishi T, et al. **Am J Physiol** 1981 Oct;241(4):H637–45

Biphasic effects of acetylstrophanthidin on automaticity in guinea pig ventricular muscle. Karagueuzian HS, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):175–83

ANTAGONISTS & INHIBITORS

The effect of metabolic inhibitors on strophanthidin-induced arrhythmias and contracture in cardiac purkinje fibers. Bhattacharyya ML, et al. **J Pharmacol Exp Ther** 1981 Oct; 219(1):75–84

PHARMACODYNAMICS

Interactions of norepinephrine and strophanthidin in cardiac Purkinje fibers. Vassalle M, et al. **Int J Cardiol** 1981; 1(2):179–94

An ATP-dependent sodium-sodium exchange in strophanthidin poisoned dialysed squid giant axons. Beaugé L, et al. **J Physiol (Lond)** 1981 Jun;315:447–60

G-STROPHANTHIN see **OUABAIN**

STROPHANTHINS

ADMINISTRATION & DOSAGE

[Effectiveness of various strophanthin doses in the emergency therapy of paroxysms of atrial fibrillation and flutter] Anshelevich IuV, et al. **Klin Med (Mosk)** 1981 Jun; 59(6):80–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Role of inflammation mediators in the etiology of hypersensitivity to strophanthin in various experimental heart diseases] Gendenshtein EI, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):52–5 (Eng. Abstr.) **(Rus)**

[Biochemical markers of strophanthin arrhythmia] Kolesova OE, et al. **Farmakol Toksikol** 1982 Mar-Apr;45(2):59–62 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Effects of calcium antagonists on coronary spasm and pulmonary artery contraction in comparison to their antagonistic action against K-strophanthin in isolated guinea pig atria. Lindner E, et al. **Pharmacology** 1982; 24(5):294–302

[Correction of hypersensitivity to strophanthin in experimental myocardial infarction by pharmacologic effects on extracardiac innervation] Gendenshtein EI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):696–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Mechanisms of the development of strophanthin hypersensitivity in experimental myocardial infarct and its pharmacological correction] Gendenshtein EI, et al. **Kardiologiia** 1982 Apr;22(4):65–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The central pressor effects of K-strophanthin in rats. Bondici A, et al. **Agressologie** 1981;22(1):23–7

The cholinergic link in the genesis of the cardiac arrhythmias induced by the intracerebroventricular administration of K-strophantin in anaesthetized rats. David A, et al. **Agressologie** 1982 Apr;23(2):83–5

Hemodynamic effects of strophanthin and pindolol in patients with hypertrophic cardiomyopathy. Storstein L, et al. **Eur Heart J** 1981 Aug;2(4):297–305

The effect of practolol, propranolol and strophanthin compared with placebo on exercise tolerance and a postural test in patients with hypertrophic cardiomyopathy. Storstein L, et al. **Eur Heart J** 1981 Aug;2(4):289–96

Digitalis-induced stimulation. Support for a two-receptor model. Hammarström L, et al. **Exp Cell Res** 1982 Feb; 137(2):249–52

Hemodynamic pattern following K-strophanthin in normal and coronary artery disease patients. Di Donato M, et al. **Int J Cardiol** 1981;1(1):77–89

[No relationship between myocardial cAMP and positive inotropic effects of convallatoxin (author's transl)] Shih L, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):100–4 (Eng. Abstr.) **(Chi)**

[Effects of glucosides on a spontaneously active vascular smooth muscle in vitro (author's transl)] Frisch J, et al. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):170–3 (Eng. Abstr.) **(Ger)**

[Myocardial accumulation of 99mTc MDP in patients subjected to extended adriblastin treatment. Protective effect of strophanthin and vitamin E] Ciambellotti E. **Minerva Med** 1982 Jan 14;73(1–2):21–4 (Eng. Abstr.) **(Ita)**

[Effect of strophanthin and celanide on the tonus of the cerebral and peripheral vessels] Chan KT, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):36–9 (Eng. Abstr.) **(Rus)**

[Effect of digoxin, strophanthin and isolanid on oxygen absorption, oxidative phosphorylation and the amount of cytochromes in the myocardial mitochondria and their ATPase activity] Tsyganii AA, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):30–2 (Eng. Abstr.) **(Rus)**

[Effect of serotonin, strophanthin K and oubain on brain phospholipid metabolic intensity] Zuber VL. **Nerv Sist** 1980;21:100–3 **(Rus)**

THERAPEUTIC USE

[Effect of strophanthin and celanide on the dynamics of development of postischemic cerebrovascular phenomena] Chan KT, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):562–4 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of convallatoxin on the main blood circulation parameters in chronic cor pulmonale] Frantsuzova SB, et al. **Farmakol Toksikol** 1981 Nov-Dec;44(6):688–92 **(Rus)**

[Inhibition of free-radical lipid peroxidation in myocardial infarct as affected by strophanthin] Luk'ianova LO, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):33–6 (Eng. Abstr.) **(Rus)**

[Effect of strophanthin on pulmonary hemodynamics during bronchial asthma attack] Memetov KA, et al. **Ter Arkh** 1981;53(11):105–8 (Eng. Abstr.) **(Rus)**

[Effect of Asthmopent and strophanthin on lesser circulation hemodynamics and external respiration in chronic cor pulmonale] Bobrov VA, et al. **Vrach Delo** 1982 Jan;(1):32–5 (Eng. Abstr.) **(Rus)**

STRUCTURE-ACTIVITY RELATIONSHIP

Chromatography in studies of quantitative structure-activity relationships. Kaliszan R. **J Chromatogr** 1981 May 1; 220(1):71–83 (81 ref.)

Fourth Smissman Award Address. The long search for valid structure-action relationships in drugs. Albert A. **J Med Chem** 1982 Jan;25(1):1–5

Compatibility of the Free-Wilson and Hansch quantitative structure-activity relations. Schaad LJ, et al. **J Med Chem** 1981 Jul;24(7):900–1

A comparison of log P and molecular connectivity in the structure-activity analysis of some antimicrobial agents. Boyd JC, et al. **J Pharm Pharmacol** 1982 Mar;34(3):158–61

Theoretical approaches to drug design and biological activity: critical comments to the use of mathematical methods applied to univariate and multivariate quantitative structure-activity relationships (QSAR). Mager PP. **Med Res Rev** 1982 Jan-Mar;2(1):93–121

Quantitative structure-pharmacokinetic relationships and drug design. Seydel JK, et al. **Pharmacol Ther** 1981; 15(2):131–82 (242 ref.)

[Feasibility and limitations of MASCA models (multivariate structure-activity analysis in combination with multivariate bioassay] Mager PP, et al. **Pharm Unserer Zeit** 1981 Jul; 10(4):97–108 **(Ger)**

[Multivariate Free-Wilson analysis (author's transl)] Mager PP, et al. **Pharmazie** 1981 Jun;36(6):427–9 (Eng. Abstr.) **(Ger)**

STRUMA OVARII

DIAGNOSIS

Three rare ovarian tumours: Krukenberg, struma ovarii and granulosa cell neoplasms. McGoldrick IA. **Papua New Guinea Med J** 1981 Jun;24(2):121–6

PATHOLOGY

Coexisting Brenner tumor and struma ovarii: case report. Chiarelli SM, et al. **Eur J Gynaec Oncol** 1980 May; 1(2):108–11

[Struma ovarii] Simeonov L, et al. **Khirurgiia (Sofiia)** 1981; 34(4):382–4 **(Bul)**

[Ovarian thyroid] Carinelli S, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar-Apr;103(2):120–7 **(Ita)**

SURGERY

Struma ovarii: report of a case with malignant evolution and of another observed in the course of pregnancy. Moggian G, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):201–2

ULTRASTRUCTURE

Ovarian strumal carcinoid. An immunocytochemical and ultrastructural study of two cases. Ulbright TM, et al. **Am J Clin Pathol** 1982 May;77(5):622–31

STRYCHNINE

[Effect of cerebellectomy on strychnine foci in the cerebral cortex] Shandra AA, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):14–6 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Effect of stimulants on the tranquilizing, hypnotic and myorelaxant action of phenazepam] Voronina TA, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):155–9 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

[Isolation and identification of alkaloids from the barks of Strychnos wallichiana (author's transl)] Yu JG. **Chung Yao Tung Pao** 1981 May;6(3):22–4 (Eng. Abstr.) **(Chi)**

ANALYSIS

A new high performance liquid chromatography (HPLC) method for the quantitation of strychnine in urine and tissue extracts. Egloff T, et al. **J Clin Chem Clin Biochem** 1982 Apr;20(4):203–6

ANTAGONISTS & INHIBITORS

Avermectin B1a inhibits the binding of strychnine to the glycine receptor of rat spinal cord. Graham D, et al. **Neurosci Lett** 1982 Apr 16;29(2):173–6

DIAGNOSTIC USE

Glycine receptor: light microscopic autoradiographic localization with [3H]strychnine. Zarbin MA, et al. **J Neurosci** 1981 May;1(5):532–47

ISOLATION & PURIFICATION

[Isolation and identification of alkaloids from the barks of Strychnos wallichiana (author's transl)] Yu JG. **Chung Yao Tung Pao** 1981 May;6(3):22–4 (Eng. Abstr.) **(Chi)**

METABOLISM

Fluorescent labelling of strychnine : a novel approach for recognition of strychnine binding sites on neuronal membrane. Bhattacharyya PK, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):273–80

UV light-induced cross-linking of strychnine to the glycine receptor of rat spinal cord membranes. Graham D, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1330–5

A novel method for recognition of organic molecules on biomembranes: fluorescence studies on strychnine. Bhattacharyya A, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):425–9

Glycine receptors in the human substantia nigra as defined by [3H]strychnine binding. de Montis G, et al. **J Neurochem** 1982 Mar;38(3):718–24

PHARMACODYNAMICS

Differential facilitation of memories by strychnine at different times of day. Wenzel ZM. **Behav Neural Biol** 1981 Dec; 33(4):498–502

Strychnine: brainstem and spinal mediation of excitatory effects on acoustic startle. Kehne JH, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):177–86

Ontogenetic studies of the primary evoked responses and strychnine spike in motor-sensory cortex of kittens. Mann MD, et al. **Exp Neurol** 1982 Feb;75(2):368–88

Effects of picrotoxin and strychnine on non-linear responses of Y-type cat retinal ganglion cells. Frishman LJ, et al. **J Physiol (Lond)** 1982 Mar;324:347–63

Antagonism of gamma-aminobutyric acid and muscimol by picrotoxin, bicuculline, strychnine, bemegride, leptazol, D-tubocurarine and theophylline in the isolated olfactory cortex. Scholfield CN. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):274–80

Bicuculline, strychnine and depressant amino acid responses in the anteroventral cochlear nucleus of the cat. Martin MR, et al. **Neuropharmacology** 1982 Mar;21(3):201–7

Descending inhibitions from the nucleus raphe magnus and adjacent reticular formation to the dorsal horn of the rat are not antagonized by bicuculline or strychnine. Johnston SE, et al. **Neurosci Lett** 1981 Oct;26(1):43–7

Disinhibitory action of strychnine on ganglion cells in the retina of the frog. Grönholm ML, et al. **Vision Res** 1981; 21(11):1649–52

[Interaction between the projection (visual and somatic) zones of the cortex and the parietal association area after application of neurotropic drugs to them] Poliakova AG, et al. **Zh Vyssh Nerv Deiat** 1981 May-Jun;31(3):587–97 (Eng. Abstr.) **(Rus)**

POISONING

Unusual strychnine poisoning and its treatment: report of eight cases. O'Callaghan WG, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):478

Strychnine poisoning: abnormal eye movements. Blain PG, et al. **J Toxicol Clin Toxicol** 1982 Apr;19(2):215–7

THERAPEUTIC USE

Attenuation of experimentally-induced amnesia. Martinez JL Jr, et al. **Prog Neurobiol** 1981;16(2):155–86 (164 ref.)

STUART FACTOR see **FACTOR X**

STUART-PROWER FACTOR see **FACTOR X**

STUDENT DROPOUTS

Genetic counselling for handicapped school leavers. Vowles M. **J Med Genet** 1981 Oct;18(5):350–8

A closer look at schooling after the first birth. Darabi KF. **J Sch Health** 1982 Mar;52(3):168–72

Keeping students successful: an interdisciplinary approach. Lambert J, et al. **JNE** 1981 Sep;20(7):18–22

[Medical examination of young people. School dropouts and legislation concerning the occupational environment] Jepsen JR. **Ugeskr Laeger** 1981 Jun 1;143(23):1490–5 (Eng. Abstr.) **(Dan)**

PSYCHOLOGY

Psychological aspects of unemployment: an investigation into the emotional and social adjustment of school leavers. Donovan A, et al. **J Adolesc** 1982 Mar;5(1):15–30

STUDENT HEALTH SERVICES

Community college health services. Are they necessary? Lindenbaum JE, et al. **J Adolesc Health Care** 1981 Mar; 1(3):225–8

A collegiate group for the sons and daughters of alcoholics. Donovan BE. **J Am Coll Health Assoc** 1981 Oct;30(2):83–6

Emerging ethical issues in college mental health services. Hersh JB, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):61–3

The sexually liberated college student--fact or fancy. Murphy P, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):87–9

Self-concept and identification of students needing a counseling center. McClure R, et al. **Psychol Rep** 1982 Apr; 50(2):487–90

HISTORY

Perspectives on college health in the 80's: a president's view. Enarson HL. **J Am Coll Health Assoc** 1981 Aug;30(1):11–3

ORGANIZATION & ADMINISTRATION

University of Manchester sports injury clinic. Galasko CS, et al. **Br J Sports Med** 1982 Mar;16(1):23–6

The evolution of an eye care program at a university health service. Bloom FH, et al. **J Am Coll Health Assoc** 1981 Oct;30(2):65–8

Clerical training in patient interactions. Ryan GK, et al. **J Am Coll Health Assoc** 1981 Oct;30(2):94–5

Continuing education for the professional staff at the University of Maryland Health Center. Yamazaki Spear S. **J Am Coll Health Assoc** 1981 Oct;30(2):91–3

Impairment prevention in the training years. A new mental health program at UCLA. Borenstein DB, et al. **JAMA** 1982 May 21;247(19):2700–3

STANDARDS

A quality assurance program for a Mental Health Service. De Armond MM. **J Am Coll Health Assoc** 1981 Dec; 30(3):139–40

Quality assessment study of brief psychotherapy at a University HMO setting. Poey K. **J Am Coll Health Assoc** 1981 Dec;30(3):135–8

Evaluation of a Tay-Sachs screening program on a college campus. Krischer JP, et al. **South Med J** 1982 Feb; 75(2):169–74

TRENDS

New realities: the challenge to change. Turner HS. **J Am Coll Health Assoc** 1981 Aug;30(1):7–9

UTILIZATION

Does your utilization curve match your clinic philosophy? Babineau R, et al. **J Am Coll Health Assoc** 1981 Oct; 30(2):55–7

STUDENT LOANS see **TRAINING SUPPORT**

STUDENTS

Personality characteristics and mental health of university students. Jegede RO. **Afr J Med Med Sci** 1979 Mar-Jun; 8(1-2):51–60 (52 ref.)

Patterns of drug use among New England college students. Wechsler H, et al. **Am J Drug Alcohol Abuse** 1981; 8(1):27–37

Prevalence of oligomenorrhea and amenorrhea in a college population. Bachmann GA, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):98–102

Drug consumption among the student population of Mexico City and its metropolitan area: subgroups affected and distribution of users. Castro ME, et al. **Bull Narc** 1980; 32(4):29–37

Patterns of self-reported drug use among secondary school students in Bendel State, Nigeria. Nevadomsky J. **Bull Narc** 1981;33(1):9–19

Smoking habits of Winnipeg school students, 1960–80. Morison JB. **Can Med Assoc J** 1982 Jan 15;126(2):153–4

The drug-use patterns of helping-profession students in Brisbane, Australia. Engs RC. **Drug Alcohol Depend** 1980 Oct;6(4):231–46

School-age mothers: 1968 and 1979. Mott FL, et al. **Fam Plann Perspect** 1981 Dec;13(6):287–92

Feeder area approach: an impact evaluation of a prevention project on student drug abuse. Kim S. **Int J Addict** 1982 Feb;17(2):305–13

Breaking away. Boekelheide PD. **J Am Coll Health Assoc** 1981 Dec;30(3):127–9

Ethics and policy governing faculty and students. Greenberg JS, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):141–2

Nutrition education for international students. Martin RW, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):148

Snack and beverage preferences of university students. Nelson MB, et al. **J Am Diet Assoc** 1982 Jul;81(1):65–6

The effects of a high school stress management unit on student's heart rate and muscle tension. Richardson GE, et al. **J Sch Health** 1982 Apr;52(4):229–33

Contraception choices of female university students. Ayvazian A. **JOGN Nurs** 1981 Nov-Dec;10(6):426–9

Food habits and nutritional status of Brisbane schoolchildren. Dugdale AE, et al. **Med J Aust** 1981 Oct 17;2(8):407–9

Licorice consumption among high school students. Simpson FO, et al. **NZ Med J** 1982 Jan 27;95(700):31–3

Academic examination stress versus menstrual cycle. Skandhan KP, et al. **Panminerva Med** 1981 Jan-Mar; 23(1):47–9

School absence: a problem for the pediatrician. Weitzman M, et al. **Pediatrics** 1982 Jun;69(6):739–46

Factors influencing high school students' knowledge of physical therapy. Tsuda HC, et al. **Phys Ther** 1982 Aug; 62(8):1157–64

Socioeconomic differentiation in health knowledge of primary schoolchildren. Owie I. **Trop Doct** 1982 Jul; 12(3):139–40

[On the theory of adaptation and their application concerning the development of students (author's transl)] Kunzendorff E. **Arztl Jugendkd** 1982 Mar;73(1):24–33 **(Ger)**

[Drug consumption by students in Basel] Ackermann-Liebrich U, et al. **Soz Praventivmed** 1981 Oct; 26(5):350–1 (Eng. Abstr.) **(Ger)**

[Smoking habits of female students] Behncke K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):801–3 (Eng. Abstr.) **(Ger)**

[Married students in the light of socio-political measures in East Germany--student marriage, student family 1964–1977] Köpcke K, et al. **Z Gesamte Hyg** 1981 Jul 7; 27(7):527–30 (Eng. Abstr.) **(Ger)**

[Support of student mothers by the state and society] Ruppert R. **Z Gesamte Hyg** 1981 Jul 7;27(7):531–3 (Eng. Abstr.) **(Ger)**

[Arterial hypertension in university students] Hentschel E, et al. **Z Gesamte Inn Med** 1981 Dec 15;36(24):957–9 (Eng. Abstr.) **(Ger)**

[Physical development and health status of students of the Vocational Mining School in Belchatów] Baszcyński J, et al. **Med Pr** 1981;32(1):63–7 (Eng. Abstr.) **(Pol)**

[Central nervous function of technical school students using active forms of instruction] Alishev NV, et al. **Gig Sanit** 1982 May;(5):37–40 (Eng. Abstr.) **(Rus)**

[Daily regimen and the work capacity of 2d-grade schoolchildren in a full-day school] Molchanova NM, et al. **Gig Sanit** 1982 Feb;(2):37–40 (Eng. Abstr.) **(Rus)**

[Sodium content of the saliva during certain types of student neuro-emotional work] Ponomarenko II. **Gig Sanit** 1982 May;(5):29–32 (Eng. Abstr.) **(Rus)**

[Efficient regimen for the intellectual and physical activities of students] Popov SN, et al. **Gig Sanit** 1982 May;(5):26–9 (Eng. Abstr.) **(Rus)**

[Questionnaire results on the effect of the academic load on 12-year-old schoolchildren] Popova NM, et al. **Gig Sanit** 1982 Feb;(2):68–71 **(Rus)**

[Imported intestinal helminthiases] Borisova MA, et al. **Med Parazitol (Mosk)** 1981 Sep-Oct;50(5):81–2 **(Rus)**

[Forms of medical occupational orientation among secondary school students] Pakharin VI. **Sov Med** 1981;(4):96–8 **(Rus)**

[Arterial hypertension in students: incidence, various predisposing factors and characteristic features] Ivanov RS, et al. **Ter Arkh** 1982;54(2):83–6 (Eng. Abstr.) **(Rus)**

[Pulse rate and urinary catecholamines in cadet pilots during test flights] Debijadi R, et al. **Vojnosanit Pregl** 1982 May-Jun;39(3):163–7 **(Scr)**

[Health education of university students] Beniaková J, et al. **Cesk Zdrav** 1982 Feb;30(2):73–6 (Eng. Abstr.) **(Slo)**

[Students' health status and 'weighted' health groups (relation to social and educational tasks)] Cernay J, et al. **Cesk Zdrav** 1981 Sep;29(8–9):341–9 (Eng. Abstr.) **(Slo)**

[Knowledge of sexology in a group of university students] de Gabaldón MP. **Acta Cient Venez** 1980;31(3):291–5 (Eng. Abstr.) **(Spa)**

[Enuresis and other parasomnias in normal persons] Deza L, et al. **Rev Neuropsiquiatr** 1979 Sep-Dec;42(3-4):174–84 (Eng. Abstr.) **(Spa)**

[Consumption of psychoactive drugs in the university population of Granada] Fernández-Crehuet Navajas J, et al. **Rev Sanid Hig Publica (Madr)** 1979 Mar-Apr; 53(3-4):503–22 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Premarital sexual opinions of undergraduate students at a midwestern university. Medora N, et al. **Adolescence** 1982 Spring;17(65):213–24

Nigerian university students' characteristics as measured by Eysenck personality questionnaire. Jegede RO. **Afr J Med Med Sci** 1980 Sep-Dec;9(3-4):129–33

Comparison of the attitudes of physical education, recreation, and special education majors toward the disabled. Aufsesser PM. **Am Correct Ther J** 1982 Mar-Apr;36(2):35–41

Emotional problems and concerns of New England college students. Wechsler H, et al. **Am J Orthopsychiatry** 1981 Oct;51(4):719–23

Attitudes and health promoting behavior of medical and law students. Coe RM, et al. **Am J Public Health** 1982 Jul; 72(7):725–7

Instructor pilot teaching behavior and student pilot stress in flight training. Krahenbuhl GS, et al. **Aviat Space Environ Med** 1981 Oct;52(10):594–7

Some quantitative hemispheric EEG measures reflecting the affective profile of students differing in university academic success. Wiet SG. **Biol Psychol** 1981 Feb;12(1):25–42

Psychiatric illness after leaving university: a five-year follow-up of students. Hall ZM, et al. **Br J Psychiatry** 1982

Apr;140:374–7
Validity and reliability of a high school drug use questionnaire among Mexican students. Medina-Mora ME, et al. **Bull Narc** 1981;33(4):67–76
Early parental loss and suicidal ideation in university students. Adam KS, et al. **Can J Psychiatry** 1982 Jun; 27(4):275–81
Sexual and contraceptive behavior on a college campus. A five-year follow-up. Hale RW, et al. **Contraception** 1982 Feb;25(2):125–34
Contextual drinking patterns of college students: the relationship between typical companion status and consumption level. Harford TC, et al. **Curr Alcohol** 1981; 8:327–38
Reasons adduced by high school students for not using drugs. Owie I. **Drug Alcohol Depend** 1982 Apr;9(2):173–6
The extent of nonmedical use of psychoactive substances among secondary school students in Greater Cairo. Soueif MI, et al. **Drug Alcohol Depend** 1982 Feb;9(1):15–41
Contraceptives and the female undergraduates in Ibadan, Nigeria. Adeleye JA. **East Afr Med J** 1981 Aug; 58(8):616–21
The contribution of basketball to the development of some psychological qualities of professional relevance. Kulinsky L, et al. **Folia Med (Plovdiv)** 1981;23(2):63–6
Psychiatric problems and first year examinations in overseas students at Edinburgh University. Cox JL, et al. **J Adolesc** 1981 Sep;4(3):261–70
Model of effective contraceptive counseling on campus. Bachmann GA. **J Am Coll Health Assoc** 1981 Dec; 30(3):119–21
Cancer knowledge and examination frequency in college students. Craun AM, et al. **J Am Coll Health Assoc** 1981 Dec;30(3):123–6
Importance of family assessments in the evaluation of psychiatric problems of college students. Knauth EC. **J Am Coll Health Assoc** 1981 Dec;30(3):131–3
The college years as a mini-life cycle: developmental tasks and adaptive options. Medalie J. **J Am Coll Health Assoc** 1981 Oct;30(2):75–9
A perilous paradox: the contraceptive behavior of college students. Rindskopf KD. **J Am Coll Health Assoc** 1981 Dec;30(3):113–8
Norms, reliability, and item analysis of the Hopelessness Scale in general psychiatric, forensic psychiatric, and college populations. Durham TW. **J Clin Psychol** 1982 Jul; 38(3):597–600
Validity and reliability of the family APGAR as a test of family function. Smilkstein G, et al. **J Fam Pract** 1982 Aug; 15(2):303–11
Student, parent, and school effects on the stress of college application. Hansell S. **J Health Soc Behav** 1982 Mar; 23(1):38–51
Coronary-prone behavior, social insecurity and stress among college-aged adults. Suls J, et al. **J Human Stress** 1981 Sep;7(3):27–34
Attitudinal and social normative factors as predictors of intended alcohol abuse among fifth- and seventh-grade students. London FB. **J Sch Health** 1982 Apr;52(4):244–9
The heart rate of students in examinations. Edmonds OP. **J Soc Occup Med** 1982 Jan;32(1):32–6
Effects of voluntary short-term abstinence from alcohol on subsequent drinking patterns of college students. Burish TG, et al. **J Stud Alcohol** 1981 Nov;42(11):1013–20
Drinking among college students using a campus mental health center. Reiskin H, et al. **J Stud Alcohol** 1981 Sep; 42(9):716–24
Student evaluation of instruction. A comparison of medicine and engineering. Neumann L. **Med Educ** 1982 May; 16(3):121–6
Effect of high school students' knowledge of child development and child health on approaches to child discipline. Johnson CF, et al. **Pediatrics** 1982 May; 69(5):558–63
Evaluating mepindolol in a test model of examination anxiety in students. Krope P, et al. **Pharmacopsychiatria** 1982 Mar; 15(2):41–7
The efficacy of a multicomponent approach to the prevention of cigarette smoking. Botvin GJ, et al. **Prev Med** 1982 Mar; 11(2):199–211
Type A–B behavior and the overt and covert hostility levels of college students. Hicks RA, et al. **Psychol Rep** 1981 Aug; 49(1):317–8
Changes in level of type A behavior in college students over a four-year period. Hicks RA, et al. **Psychol Rep** 1981 Aug; 49(1):22
Use of Sidman avoidance to increase door-locking behavior among college students living in residence halls. Hughey AW. **Psychol Rep** 1982 Jun;50(3 Pt 2):1055–8
The dreams of college men and women in 1950 and 1980: a comparison of dream contents and sex differences. Hall CS, et al. **Sleep** 1982;5(2):188–94
[The mental health of students] Fortes JR, et al. **AMB** 1981 Dec;27(12):369–72 **(Por)**
[Adaptational requirements and risks in students] Ienistea O. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec; 26(4):271–4 **(Rum)**
[Hygienic basis for a regimen of intensive mental work for younger schoolchildren performing academic assignments in mathematics] Agarkov VI, et al. **Gig Sanit** 1982 Feb; (2):35–7 (Eng. Abstr.) **(Rus)**
[Psychophysiologic function of college students] Berzin' VI. **Gig Sanit** 1981 Aug;(8):84–6 **(Rus)**
[Effect of examination on the cardiac activity of students in junior and senior courses] Volkind NIa. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):158–60 **(Rus)**

STUDENTS, DENTAL

Pen and instrument grips and clinical performance in dental students. Makinson OF, et al. **Aust Dent J** 1982 Apr; 27(2):86–90
Dental students at the University of Queensland. Entrance and performance 1960 to 1979. Savage NW, et al. **Aust Dent J** 1981 Jun;26(3):146–52
Curriculum unfair to dental students? [letter] Miller J. **Br Dent J** 1982 Mar 16;152(6):187–8
A programme of clinical work by undergraduate dental students in community dental clinics. Rock WP, et al. **Br Dent J** 1982 Jan 5;152(1):12–4
An investigation into the validity and reliability of the marking of students' orthodontic practical work. Brown ID, et al. **Br J Orthod** 1982 Apr;9(2):107–10
Practice location—how some students decide. Posnick WR, et al. **J Am Coll Dent** 1981 Fall;48(3):167–74
Private practice associateships: a pilot program at the University of Tennessee College of Dentistry. Council on Dental Practice. Council on Dental Health and Health Planning. **J Am Dent Assoc** 1982 May;104(5):675–7
Do students cheat—or are they just good guessers? Swallow JN. **J Dent** 1982 Mar;10(1):78–80
Senior survey: financial characteristics of dental school seniors. **J Dent Educ** 1982 Sep;46(9):565
An instructional resource center in a senior dental clinic. Berrong JM, et al. **J Dent Educ** 1982 Aug;46(8):479–84
Student self-evaluation in preclinical restorative dentistry. Forehand LS, et al. **J Dent Educ** 1982 Apr;46(4):221–6
A predental career program in a postgraduate institution. Jensen OE, et al. **J Dent Educ** 1982 Jun;46(6):323–5
The effect of teaching method on endodontic problem solving. Mendel RW, et al. **J Dent Educ** 1982 Sep; 46(9):548–52
The effect of instructor variance on students' grades. Mescher KD, et al. **J Dent Educ** 1982 Feb;46(2):83–7
An assessment of dental students as dental assistants. Molvar MP. **J Dent Educ** 1982 Sep;46(9):563–4
Career options for the dental graduate: report of a conference. Neidle EA. **J Dent Educ** 1982 Jun;46(6):336–41
Professional performance among dental students: a factor analysis. Potter RH, et al. **J Dent Educ** 1982 Apr; 46(4):216–20
The impact of a declining pool of applicants on dental education. Powell RA. **J Dent Educ** 1981 Oct;45(10):652–6
Understanding and coping with uncertainty. Sadowsky D. **J Dent Educ** 1982 Jun;46(6):342–3
Perspectives on dental education. Smith JM. **J Dent Educ** 1981 Nov;45(11):741–5
Planned enrollment decreases and first-year GPAs. Solomon E. **J Dent Educ** 1982 Sep;46(9):566–7
Impact of the applicant decline. Solomon E, et al. **J Dent Educ** 1981 Dec;45(12):812–4
Loan utilization by dental school seniors. Solomon E, et al. **J Dent Educ** 1982 Jun;46(6):350–1
Field dependence–independence and dental students' clinical performance. Suddick RP, et al. **J Dent Educ** 1982 Apr; 46(4):227–32
A survey of the removable prosthodontic clinical experience of dental students. Herring HW Jr, et al. **J Prosthet Dent** 1982 Aug;48(2):198–201
Response to hepatitis B vaccine in Canadian dental students [letter] Derrick JB, et al. **Lancet** 1982 Jan 23;1(8265):223

PSYCHOLOGY

Change in dental student profiles: preadmission to pregraduation. A pilot study. Boyd MA. **Can Dent Assoc J** 1981 Sep;47(9):587–9
Longitudinal study on oral health of dental students at Paris VII University. Cavaillon JP, et al. **Community Dent Oral Epidemiol** 1982 Jun;10(3):137–43
Effects of a school visit dental health programme upon the attitudes of undergraduate dental students in England. Howat AP, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):100–1
Students find dentistry different than they imagined. Schwartz RH, et al. **J Am Coll Dent** 1981 Fall;48(3):175–7
A four-year reevaluation of the vocational interests of dental students on the Strong-Campbell Interest Inventory. Emling RC, et al. **J Dent Educ** 1982 Aug;46(8):495–9
Dental students' confidence in prosthodontics and attitudes toward the elderly. Ettinger RL, et al. **J Dent Educ** 1982 Sep;46(9):541–7
Changes in personality among male and female dental graduates. McCreary CP, et al. **J Dent Educ** 1982 May; 46(5):279–83
The Kurtzman Community Dental Health Ideology Scale with students in a combined degree (AB–DDS) program. Stein MI, et al. **Percept Mot Skills** 1982 Feb;54(1):195–200
Correlations of scores on embedded figures and mirror tracing with preclinical technique grades and PMAT scores of dental students. Wilson S, et al. **Percept Mot Skills** 1981 Aug;53(1):31–5
Professional socialization in dentistry. A longitudinal analysis of attitude changes among dental students towards the dental profession. Eli I, et al. **Soc Sci Med** 1982;16(9):951–5

STUDENTS, HEALTH OCCUPATIONS

Medical and nursing students vs. their schools. Bernstein AH. **Hospitals** 1982 Apr 1;56(7):98, 100–2, 111
Putting objectivity in the allied health student selection process. Dietrich MC. **J Allied Health** 1981 Nov; 10(4):226–39
Cryptosporidiosis in a veterinary student. Anderson BC, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):408–9
Students as assessors in a performance test. Report of a pilot study. Wadsworth H. **Physiotherapy** 1981 Dec;67(12):364–7
Student attitudes towards radiographic training and related aspects. Viner MD, et al. **Radiography** 1982 Jul; 48(571):135–40
[Smoking habits among students in the health sector] Marin F, et al. **Bol Of Sanit Panam** 1981 Sep;91(3):191–9 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Locus of control dimensions among senior pharmacy students electing post-Pharm.D. residencies. Gourley DR, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):43–8
Counseling function of academic coordinators of clinical education from select entry-level physical therapy educational programs. Kondela-Cebulski PM. **Phys Ther** 1982 Apr;62(4):470–6
Smoking habits, knowledge, and attitudes of final year university students in the health professions. Ashley MJ. **Prev Med** 1981 Sep;10(5):645–54

STUDENTS, MEDICAL

Cheating by medical students on examinations. Stimmel B, et al. **Am J Med** 1982 Aug;73(2):160–4
Medical students' evaluation of psychiatry: a cross-country comparison. Yager J, et al. **Am J Psychiatry** 1982 Aug; 139(8):1003–9
Effect of the surgical clerkship on student perception of essential skills and self-assessed abilities. Linn BS, et al. **Ann Surg** 1982 Jan;195(1):50–4
Medical students' attitudes about psychiatry. Implications for psychiatric recruitment. Nielsen AC 3d, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1144–54
A community-based pediatrics rotation for medical students. Becker RM, et al. **Ariz Med** 1981 Oct;38(10):774–6
Attitudes toward cancer. II: A comparative analysis of cancer patients, medical students, medical residents, physicians and cancer educators. Cohen RE, et al. **Cancer** 1982 Sep 15; 50(6):1218–23
The 'student doctor' and a wary patient. Commentary. Cassell EJ. **Hastings Cent Rep** 1982 Feb;12(1):28
The 'student doctor' and a wary patient. Commentary. Dworkin G. **Hastings Cent Rep** 1982 Feb;12(1):27–8
Medical student vacation research grants scheme. Moir AT. **Health Bull (Edinb)** 1981 Nov;39(6):398–402
Characteristics of students preferring family practice/primary care careers. Burkett GL, et al. **J Fam Pract** 1982 Sep; 15(3):505–12
Student selection of family practice residencies: a ten-year view. Geyman JP. **J Fam Pract** 1981 Dec;13(7):971–2
The role of the medical student in the treatment of impaired physicians. Talbott GD. **J Med Assoc Ga** 1982 Apr; 71(4):275–7
Interdisciplinary learning in pharmacology: analysis of M.D. and P.A. student performance. Andrus PL, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):757–61
The impact of an oncology course on attitudes of freshman medical students. Appel MH, et al. **J Med Educ** 1981 Nov; 56(11):919–21
Faculty mentors for medical students. Flach DH, et al. **J Med Educ** 1982 Jul;57(7):514–20
Nurses in medical school. Gussman D. **J Med Educ** 1982 Mar;57(3):180–3
A comparison of the performance of male and female medical students and residents. Harward DH, et al. **J Med Educ** 1981 Oct;56(10):853–5
Motivations of women over 30 for going to medical school. Kaplan SR. **J Med Educ** 1981 Oct;56(10):856–8
Student affairs office [letter] LaClave AJ. **J Med Educ** 1981 Nov;56(11):930
The new MCAT and its relationship to medical student performance-year two. McGuire FL. **J Med Educ** 1982 Jan;57(1):60–1
The initial impact of a surgical AHES program on medical students' career decisions. Martin LF, et al. **J Med Educ** 1981 Oct;56(10):812–7
Medical student needs assessment and student affairs programming. Miller GD, et al. **J Med Educ** 1981 Jun; 56(6):518–20
The performance of female medical students in an obstetrics and gynecology clerkship. Miller JM Jr, et al. **J Med Educ** 1982 Aug;57(8):644–6
The goals of the medical school: differences between student and faculty perceptions. Neumann L, et al. **J Med Educ** 1982 Jul;57(7):557–9
Medical student attendance at lectures: effect on medical school performance: Sade RM, et al. **J Med Educ** 1982 Mar;57(3):191–2
Distribution of women in U.S. medical schools, 1970–71 and 1980–81. Turner KS, et al. **J Med Educ** 1982 Aug; 57(8):651–2
Personal characteristics and achievements of medical students

from urban and nonurban areas. Willoughby TL, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):717–26

Impairment prevention in the training years. A new mental health program at UCLA. Borenstein DB, et al. **JAMA** 1982 May 21;247(19):2700–3

Medical students—building for the future. Davis RM. **JAMA** 1982 Jun 4;247(21):3004–7

Medical students and medical school. Silver HK. **JAMA** 1982 Jan 15;247(3):309–10

Rubella immunization of susceptible medical students [letter] Wakefield M, et al. **JAMA** 1981 Oct 23–30;246(17):1900–1

How to select medical students? [editorial] **Lancet** 1981 Nov 7;2(8254):1029

Clinical instruction and cognitive development of medical students. Benbassat J, et al. **Lancet** 1982 Jan 9;1(8263):95–7

Physician Sensitivity to the price of diagnostic tests: A U.S.–Canadian analysis. Hoey J, et al. **Med Care** 1982 Mar; 20(3):302–7

The social class of medical students. McManus IC. **Med Educ** 1982 Mar;16(2):72–5

Career choices of young graduates: A need for more GP training. Copeman HA, et al. **Med J Aust** 1981 Oct 31; 2(9):488–9

Career choices of Malaysian medical students. DEva MP. **Med J Malaysia** 1981 Sep;36(3):188–92

Presidents' page: welcoming new students to the medical family. Fryfogle JD. **Mich Med** 1981 Oct;80(29):572

MSU's entering medical class over 50 percent female. Houston NM. **Mich Med** 1981 Nov;80(32):614–6

Aid gone, only wealthy will apply to medical school. Morningstar L. **Mich Med** 1982 Apr;81(18):210–4

MSMS wants you — residents and students. Scholten M. **Mich Med** 1981 Dec;80(35):647

Bakke decision revisited [letter] **N Engl J Med** 1982 Feb 4; 306(5):306–7

Sounding Boards. Three years after Bakke: a reaffirmation. Fitzgerald FT. **N Engl J Med** 1981 Oct 8;305(15):886–7

Selecting medical students at MEDUNSA. A preliminary report. Elliot J. **S Afr Med J** 1981 Nov 7;60(19):749–50

[System for evaluating the health status of medical students at Charles University in Prague] Zivná J, et al. **Cesk Zdrav** 1982 May;30(5):212–21 (Eng. Abstr.) **(Cze)**

[Somatic symptoms and the health status of medical students in Charles University in Prague] Zivná J, et al. **Cesk Zdrav** 1982 Apr;30(4):157–66 (Eng. Abstr.) **(Cze)**

[Family physician teacher and assistant–physician are both responsible for proper assistance to patient] **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):205–8 **(Dut)**

[Medical students and psychological tests in the curriculum of the 2. part of their studies] Jacobi P, et al. **Med Welt** 1982 Mar 5;33(9):339–44 **(Ger)**

[BCG vaccination of medical students of the University of Naples: findings concerning the evolution of the vaccination site and the BCG allergy] Galzerano G, et al. **Arch Monaldi** 1980 May–Jun;35(3):143–7 **(Ita)**

[Data on tuberculosis epidemiology in medical students of the University of Naples] Galzerano G, et al. **Arch Monaldi** 1980 May–Jun;35(3):134–42 **(Ita)**

[Medical and pharmacy students in Beirut (1941–1945)] Zablotniak R. **Przegl Lek** 1981;38(1):124–5 **(Pol)**

[Social hygiene problems of medical student instruction] Dziubak ST, et al. **Gig Sanit** 1982;(1):31–3 **(Rus)**

[Organization of extra–curricular independent work of junior medical students] Glebova IF, et al. **Gig Sanit** 1981 Dec; (12):68–9 **(Rus)**

[Social hygiene evaluation of students' use of free time] Riabova NV, et al. **Gig Sanit** 1982 Feb;(2):48–50 **(Rus)**

[Tutorship and training of young medical personnel in the light of the decisions of the 26th Congress of Communist Party of the Soviet Union] Iablokov DD. **Klin Med (Mosk)** 1981 Dec;59(12):5–8 **(Rus)**

[Experience gained by a specialized medical team in city clinics] Fedoseev AS, et al. **Sov Zdravookhr** 1981;(12):36–8 (Eng. Abstr.) **(Rus)**

[Improved methods of assessing the knowledge of medical institute students] Kononov AG. **Sov Zdravookhr** 1982; (1):44–7 (Eng. Abstr.) **(Rus)**

[Petersburg Women's Medical Institute in the revolutionary movement] Tikotin MA. **Sov Zdravookhr** 1981;(7):51–4 **(Rus)**

[Knowledge of sexology in a group of university students] de Gabaldón MP. **Acta Cient Venez** 1980;31(3):291–5 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Prevalence of suicidal feelings in a sample of non–consulting medical students. Okasha A, et al. **Acta Psychiatr Scand** 1981 May;63(5):409–15

Sex differences in medical student mental health. Lloyd C, et al. **Am J Psychiatry** 1981 Oct;138(10):1346–51

Attitudes and health promoting behavior of medical and law students. Coe RM, et al. **Am J Public Health** 1982 Jul; 72(7):725–7

Patient perspectives program: a humanistic educational experience for medical students. Guild S, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):461–6

The nurse educator: change agent for medical student attitudes. Simoni PS. **Int J Nurs Stud** 1981;18(2):107–13

Attitudes of medical students towards people with emotional problems. De–Nour AK, et al. **Isr J Psychiatr Relat Sci** 1981;18(3):215–20

Sex role stereotypes and medical specialty choice. Harris MB, et al. **J Am Med Wom Assoc** 1981 Aug;36(8):245–52

Medical school and women over 30. Kaplan SR. **J Am Med Wom Assoc** 1982 Feb;37(2):39–50

Parents of medical students: un underutilized support resource. DeVaul RA, et al. **J Med Educ** 1982 Jul; 57(7):563–4

An analysis of empathy in medical students before and following clinical experience. Diseker RA, et al. **J Med Educ** 1981 Dec;56(12):1004–10

Empathy and attitudes among medical students: the effects of group experience. Elizur A, et al. **J Med Educ** 1982 Sep;57(9):675–83

Values and attitudes of medical students at an Australian University. Feather NT. **J Med Educ** 1981 Oct; 56(10):818–30

Academic anxiety, locus of control, and achievement in medical school. Grover PL, et al. **J Med Educ** 1981 Sep; 56(9 Pt 1):727–36

Stress management training in medical school. Kelly JA, et al. **J Med Educ** 1982 Feb;57(2):91–9

Temporal and gender patterns of psychiatric symptoms among medical students. Lenox L, et al. **J Med Educ** 1981 Nov;56(11):921–2

The impact of clinical experience on attitudes of junior medical students about death and dying. Linn BS, et al. **J Med Educ** 1982 Sep;57(9):684–91

Medical student attitudes toward geriatric medicine and patients. Perrotta P, et al. **J Med Educ** 1981 Jun; 56(6):478–83

Differences in empathy: a preliminary analysis. Streit–Forest U. **J Med Educ** 1982 Jan;57(1):65–7

Sex differences in medical specialty preferences. Zimny GH, et al. **J Med Educ** 1982 May;57(5):403–5

Impact of sex education on medical students' projections of patients' attitudes. Schnarch DM. **J Sex Marital Ther** 1981 Summer;7(2):141–55

Student discussion groups on doctor–patient relationships: a critical assessment. Allison CJ, et al. **Med Educ** 1981 Nov; 15(6):392–7

Validity of students' ratings of clinical instructors. Benbassat J, et al. **Med Educ** 1981 Nov;15(6):373–6

Medical teaching—help or hindrance? Bennett MJ, et al. **Med Educ** 1982 Mar;16(2):63–7

The ATP 30–a scale for measuring medical students' attitudes to psychiatry. Burra P, et al. **Med Educ** 1982 Jan;16(1):31–8

Medical students' attitude towards psychiatry: a ten–year comparison. Ghadirian AM, et al. **Med Educ** 1982 Jan; 16(1):39–43

Personality and performance in psychiatric education. Pollock DC, et al. **Med Educ** 1982 Jan;16(1):44–7

A medical curriculum: evaluation by final–year students. Walker LG, et al. **Med Educ** 1981 Nov;15(6):377–82

Personality type and curriculum preference in primary care. West M, et al. **Med Educ** 1982 Mar;16(2):94–6

Autobiography of an alcoholic medical student. **Mich Med** 1982 May;81(24):270–1, 278

More women admitted to medical school, facing same old problems? Weddon W. **Mich Med** 1982 Apr;81(18):204

The impact of a long–term preceptorship on clinical confidence of senior medical students. Verby JE, et al. **Minn Med** 1982 May;65(5):297–300

Curiouser and curiouser. Burstein AG. **Pharos** 1981 Summer; 44(3):14–5

Attractiveness and its effect on medical students rank order for seeing patients. Silvestro JR. **Psychol Rep** 1982 Feb; 50(1):115–8

[Medical students' attitudes to examinations (author's transl)] Strnad L, et al. **Cas Lek Cesk** 1982 Jan 22;121(3):86–9 (Eng. Abstr.) **(Cze)**

[The personality of the medical student and methods for its study] Mareš J, et al. **Cesk Zdrav** 1981 Sep;29(8–9):355–8 (Eng. Abstr.) **(Cze)**

[Neuroses and harmful habits of medical students at Charles University in Prague] Zivná J, et al. **Cesk Zdrav** 1982 Mar; 30(3):115–24 (Eng. Abstr.) **(Cze)**

[Attitudes of a group of medical students towards requesting psychological help] Streit–Forest U. **Union Med Can** 1982 Mar;111(3):266–74 (Eng. Abstr.) **(Fre)**

[Didactic and psychodynamic studies in a psychosomatic practicum] Rentrop E. **Med Welt** 1982 Oct 2; 32(40):1479–81 **(Ger)**

[Effect of an enhanced psychoemotional load on the functional indices of the cardiovascular system in 3d–year students of a medical institute] Fedorenko NM, et al. **Gig Sanit** 1981 Aug;(8):86–7 **(Rus)**

[Prevention of neuroemotional stress in students during exams] Kalashnikov AA, et al. **Gig Sanit** 1982 Feb;(2):32–5 (Eng. Abstr.) **(Rus)**

[Student and patient interrelationships in the infectious disease clinic] Chukavina AI, et al. **Klin Med (Mosk)** 1981 Oct;59(10):110–2 (Eng. Abstr.) **(Rus)**

[On the attitudes of medical students to medical psychology and to psychotherapy (author's transl)] Molčan J, et al. **Cesk Psychiatr** 1982 Apr;78(2):118–22 (Eng. Abstr.) **(Slo)**

[Attitude of medical students to the preventive and social aspects of medical education and practice] González Carbajal E, et al. **Educ Med Salud** 1982;16(2):118–33 (Eng. Abstr.) **(Spa)**

[Personality traits of a group of medical students. New possibilities of the MMPI (author's transl)] Volkow ND, et al. **Rev Invest Clin** 1982 Jan–Mar;34(1):31–8 (Eng. Abstr.) **(Spa)**

[Psychological symptoms among medical students (author's transl)] Florenzano Urzúa R, et al. **Rev Med Chil** 1981 Oct; 109(10):977–82 (Eng. Abstr.) **(Spa)**

STUDENTS, NURSING

Red blood count and hemoglobin level in healthy student nurses of Oriental extraction in Hawaii. Jim RT. **Hawaii Med J** 1981 Nov;40(11):329

Attitudes of student nurses toward podiatrists. Roberts S, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):584–5

Student grade appeals– procedure and process. Miller P. **JNE** 1982 Jun;21(6):34–8

PSYCHOLOGY

Reality shock in reverse. Higgins PG, et al. **Am J Nurs** 1981 Nov;81(11):2062–3

The first day in surgery. **AORN J** 1981 Sep;34(3):436–46

Student nurses in the recovery room. Redmond C. **AORN J** 1981 Sep;34(3):534–8

Effects of nursing education on attitudes of nursing students toward dying patients in the Nigerian sociocultural environment. Jinadu MK, et al. **Int J Nurs Stud** 1982; 19(1):21–7

Variables important in the selection of New Zealand nurses: implementation and evaluation of a multivariate selection technique. Long NR, et al. **Int J Nurs Stud** 1981; 18(4):227–35

The socialization experience in nursing; an interactive explanation. Warner ET, et al. **Int J Nurs Stud** 1981; 18(3):185–9

Foreign nursing students in the USA: problems in their educational experiences. Abu–Saad H, et al. **J Adv Nurs** 1981 Sep;6(5):397–403

Educating teachers of nursing: the attitudes of students. Sheahan J. **J Adv Nurs** 1982 Jan;7(1):69–77

Job expectations of senior nursing students. Burton CE, et al. **J Nurs Adm** 1982 Mar;12(3):11–7

Self–awareness – the key to a successful nurse–patient relationship? Krikorian DA, et al. **J Psychosoc Nurs Ment Health Serv** 1982 Jun;20(6):19–21

Concerns of student nurses prior to psychiatric nursing experience: an assessment and intervention technique. Schoffstall C. **J Psychosoc Nurs Ment Health Serv** 1981 Nov;19(11):11–4

The effect of freedom on the learning of gifted nursing students. Becktell PJ. **JNE** 1981 Nov;20(9):24–30

Burnout in nursing education. Jeglin–Mendez AM. **JNE** 1982 Apr;21(4):29–34

Stress in nursing students: dispelling some of the myth. Carter EW. **Nurs Outlook** 1982 Apr;30(4):248–52

A student's perspective on the doctoral dilemma. Gorney–Fadiman MJ. **Nurs Outlook** 1981 Nov; 29(11):650–4

Therapeutic communication and clinical instruction. Karns PJ, et al. **Nurs Outlook** 1982 Jan;30(1):39–43

Nursing students' attitudes toward sexually active older persons. Damrosch SP. **Nurs Res** 1982 Jul–Aug;31(4):252–5

The challengers, interactors and mainstreamers: second step education and nursing roles. Little M, et al. **Nurs Res** 1982 Jul–Aug;31(4):239–45

Personality correlates or Barksdale Self–Esteem Index scores among nursing students: a validation study. Dagenais F. **Psychol Rep** 1981 Aug;49(1):195–7

Correlates of change in attitudes toward mental illness among vocational nursing students. Napoletano MA. **Psychol Rep** 1981 Aug;49(1):147–50

Empathic perceptions of nursing students: self–reported and actual ability. Kunst–Wilson W, et al. **Res Nurs Health** 1981 Sep;4(3):283–93

STANDARDS

Evaluation of student nurse clinical performance—a continuing problem. Wood V. **Int Nurs Rev** 1982 Jan–Feb; 29(1):11–8

STUDENTS, PHARMACY

'Dear Dr. Paul'—alcoholic student's plight. [letter] **Am Pharm** 1982 Jul;22(7):5–6

[Medical and pharmacy students in Beirut (1941–1945)] Zablotniak R. **Przegl Lek** 1981;38(1):124–5 **(Pol)**

PSYCHOLOGY

Attitudes of pharmacy students towards psychosocial factors in health care. Hatoum H, et al. **Soc Sci Med** 1982; 16(12):1239–41

STUDENTS, PREMEDICAL

Curriculum choices of premedical students. Creditor UK, et al. **J Med Educ** 1982 Jun;57(6):436–41

Premedical students, admissions committees, and 'the physician as an educated person'. Rhoads PS. **JAMA** 1982 May 21;247(19):2671–3

STURGE–WEBER SYNDROME see under **ANGIOMATOSIS**

STUTTERING

Stuttering. Zibelman R. **Am Fam Physician** 1982 Mar; 25(3):161–3
Speech–language pathologists' connotations of stuttering. Ragsdale JD, et al. **J Speech Hear Res** 1982 Mar; 25(1):75–80

CHEMICALLY INDUCED

Speech Effect of theophylline [letter] McCarthy MM. **Pediatrics** 1981 Nov;68(5):749–50

DIAGNOSIS

Clinical observations on acquired stuttering. Mazzucchi A, et al. **Br J Disord Commun** 1981 Apr;16(1):19–30
Speaking fundamental frequency characteristics of stutterers and nonstutterers. Healey EC. **J Commun Disord** 1982 Jan; 15(1):21–9
Observer agreement on disfluency and stuttering. Curlee RF. **J Speech Hear Res** 1981 Dec;24(4):595–600
Knowing what to look for: comments on stuttering identification—standard definition and moment of stuttering [letter] Wingate ME. **J Speech Hear Res** 1981 Dec;24(4):622–4
[Analysis of period duration in spastic dysphonias] Wieser M. **Folia Phoniatr (Basel)** 1981;33(5):314–24 (Eng. Abstr.) **(Ger)**
[Diagnosis of stuttering] Hanson J. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1025–6 **(Ger)**
[Follow–up of patients with neurosis–like stuttering] Buianov MI, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1540–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

The impact of long–time, low–dosage haloperidol therapy on anxiety proneness. Spehr W, et al. **Agressologie** 1981 Nov;22(D):33–6

ETIOLOGY

Reaction time for /s/ and /z/ in stutterers and nonstutterers: a test of discoordination hypothesis. Venkatagiri HS. **J Commun Disord** 1982 Jan;15(1):55–62
Stuttering, sickling, and cerebral malaria: a possible organic basis for stuttering. Goodall HB, et al. **Lancet** 1982 Jun 5;1(8284):1279–81
[Partial acoustic agnosia as a cause of stammering. Possibilities and limits of diagnostic testing methods] von Deuster C. **Fortschr Med** 1982 Jun 24;100(24):1164–8 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Intrapair similarity in frequency of disfluency in monozygotic and dizygotic twin pairs containing stutterers. Howie PM. **Behav Genet** 1981 May;11(3):227–38
Analysis of the sibship patterns of stutterers. Gladstien KL, et al. **J Speech Hear Res** 1981 Sep;24(3):460–2
Concordance for stuttering in monozygotic and dizygotic twin pairs. Howie PM. **J Speech Hear Res** 1981 Sep; 24(3):317–21

PHYSIOPATHOLOGY

A personal project to examine the variation of fluency over 150 days. Rose J, et al. **Br J Disord Commun** 1981 Apr; 16(1):11–7
Laryngeal involvement in stuttering. A glottographic observation using a reaction time paradigm. Yoshioka H, et al. **Folia Phoniatr (Basel)** 1981;33(6):348–57
Temporal characteristics related to the discrimination of stutterers' and nonstutterers' speech samples. Prosek RA, et al. **J Speech Hear Res** 1982 Mar;25(1):29–33
[Vegetative disorders of stuttering minors (author's transl)] Lavkaj IJ. **Cesk Psychiatr** 1982 Feb;78(1):42–4 (Eng. Abstr.) **(Cze)**

PSYCHOLOGY

Is stuttering a contraindication to psychotherapy? Butany V, et al. **Can J Psychiatry** 1982 Jun;27(4):330–1
Stuttering and oral stereognosis. Martin RR, et al. **Percept Mot Skills** 1981 Aug;53(1):155–62
[Symbolism and course in the therapy of a 13–year–old stutterer with the catathymic picture imagery] Hälg P. **Prax Kinderpsychol Kinderpsychiatr** 1981 Oct;30(7):236–43 (Eng. Abstr.) **(Ger)**

REHABILITATION

Awareness training and regulated–breathing method in modification of stuttering. Ladouceur R, et al. **Percept Mot Skills** 1981 Aug;53(1):187–94

THERAPY

Stuttering – a tutorial. Andrews G. **Aust NZ J Psychiatry** 1981 Jun;15(2):105–9
Token reinforcement during the instatement and shaping of fluency in the treatment of stuttering. Howie PM, et al. **J Appl Behav Anal** 1982 Spring;15(1):55–64
Punishment of stuttering: contingency and stimulus parameters. James JE. **J Commun Disord** 1981 Sep; 14(5):375–86
Effects of social aids and the regulated breathing method in the treatment of stutterers. Côté C, et al. **J Consult Clin Psychol** 1982 Jun;50(3):450
Another perspective on Silverman's 'Dimensions of improvement in stuttering' [letter] Hemre C. **J Speech Hear Res** 1981 Sep;24(3):470–2
[Stuttering in phoniatric practice] Wendler J. **Folia Phoniatr (Basel)** 1981;33(3):181–8 (Eng. Abstr.) **(Ger)**
[Role of psychotherapy in the complex treatment of children who stutter] Asatiani NM, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1544–7 (Eng. Abstr.) **(Rus)**

STYE see **HORDEOLUM**

STYRENES

see related
POLYSTYRENES

TLC separation of hippuric, mandelic, and phenylglyoxylic acids from urine after mixed exposure to toluene and styrene. bieniek G, et al. **Br J Ind Med** 1982 May; 39(2):187–90

ADVERSE EFFECTS

Acute behavioral effects of styrene exposure: a further analysis. Cherry N, et al. **Br J Ind Med** 1981 Nov; 38(4):346–50
Contact allergy to styrene with cross reaction to vinyltoluene. Sjöborg S, et al. **Contact Dermatitis** 1982 May;8(3):207–8
Personality and long term exposure to organic solvents. Lindström K, et al. **Neurobehav Toxicol** 1980 Summer; 2(2):89–100
Effect of styrene on levels of serotonin, noradrenaline, dopamine and activity of acetyl cholinesterase and monoamine oxidase in rat brain. Husain R, et al. **Toxicol Lett** 1980 Nov;7(1):47–50
[Surveillance of exposure in industrial styrene load] Bergert KD, et al. **Z Gesamte Inn Med** 1982 Jan 15;37(2):66–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Headspace sampling and gas chromatographic determination of styrene migration from food–contact polystyrene cups into beverages and food simulants. Varner SL, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1122–30
[Polarographic method of determining microconcentrations of styrene in the air] Koen E. **Probl Khig** 1981;6:72–80 (Eng. Abstr.) **(Bul)**
[Attempt to correlate between environmental styrene at low concentrations and its urinary mandelic acid metabolite] De Lorenzo R, et al. **Ann Ist Super Sanita** 1981; 17(3):627–31 **(Ita)**
[Studies on the industrial styrene poisoning (Part X). Determination of styrene in biological materials by gas chromatography (author's transl)] Teramoto K, et al. **Sangyo Igaku** 1980 Sep;22(5):368–71 (Eng. Abstr.) **(Jpn)**
[Evaluation of interrelationship between the mandelic acid concentration in urine and the styrene concentration in the air in conditions of professional exposure (author's transl)] Wieczorek H, et al. **Przegl Lek** 1981;38(9):681–4 (Eng. Abstr.) **(Pol)**

BLOOD

Styrene oxidation to styrene oxide in human blood erythrocytes and lymphocytes. Belvedere G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):273–82
[Gas chromatographic method of determining styrene in blood (the head–space method)] Benchev I, et al. **Probl Khig** 1981;6:88–91 (Eng. Abstr.) **(Bul)**

METABOLISM

Metabolism and genotoxicity of styrene. Vainio H, et al. **Adv Exp Med Biol** 1981;136 Pt A:257–74
Studies on enzymatic reduction of aliphatic nitro compounds: reductive dimerization of beta–nitrostyrene and 1–nitro–4–phenylbutadiene. Tatsumi K, et al. **Arch Biochem Biophys** 1982 Feb;213(2):689–94
Investigation of styrene in the liver perfusion/cell culture system. No indication of styrene–7,8–oxide as the principal mutagenic metabolite produced by the intact rat liver. Beije B, et al. **Chem Biol Interact** 1982 Mar 1;39(1):57–76
Studies on metabolism and toxicity of styrene. V. The metabolism of styrene, racemic, (R)–(+)–, and (S)–(−)–phenyloxiranes in the rat. Watabe T, et al. **J Pharmacobiodyn** 1982 Feb;5(2):129–33
Studies on metabolism and toxicity of styrene. IV. 1–Vinylbenzene 3, 4–oxide, a potent mutagen formed as a possible intermediate in the metabolism in vivo of styrene to 4–vinylphenol. Watabe T, et al. **Mutat Res** 1982 Mar; 93(1):45–55
Distribution and elimination of 14C–styrene in rat. Carlsson A. **Scand J Work Environ Health** 1981 Mar;7(1):45–50
Urinary metabolites of vinyltoluene in the rat. Bergemalm–Rynell K, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):19–31
4–Vinylphenol excretion suggestive of arene oxide formation in workers occupationally exposed to styrene. Pfäffli P, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):85–90
Interactions of styrene and styrene oxide with partially purified cytochrome P–450 and P–448 from rat liver microsomes. Mackenzie P, et al. **Toxicol Lett** 1981 Oct; 9(2):183–8
Stereoselective oxidation of styrene to styrene oxide in rats as measured by mercapturic acid excretion. Delbressine LP, et al. **Xenobiotica** 1981 Sep;11(9):589–94

PHARMACODYNAMICS

Induction of liver microsomal cytochrome P–450 and associated monooxygenases by octachlorostyrene in the rat. Holme JA, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):41–9
Styrene and styrene oxide induce SCEs and are metabolised in human lymphocyte cultures. Norppa H, et al. **Carcinogenesis** 1980 Apr;1(4):357–61
Effect of styrene on hepatic mixed function oxidases, glutathione content and glutathione–s–transferase activity in rats. Das M, et al. **Drug Chem Toxicol** 1981;4(3):219–27
Mutagenicity of styrene in the Salmonella typhimurium test system. de Meester C, et al. **Mutat Res** 1981 Dec; 90(4):443–50
Studies on metabolism and toxicity of styrene. IV. 1–Vinylbenzene 3, 4–oxide, a potent mutagen formed as a possible intermediate in the metabolism in vivo of styrene to 4–vinylphenol. Watabe T, et al. **Mutat Res** 1982 Mar; 93(1):45–55
Dose–dependent effects of vinyltoluene inhalation on non–protein thiols and drug biotransformation in liver and kidneys of the rat. Heinonen T, et al. **Xenobiotica** 1981 Apr;11(4):285–9
[Functional–morphologic features of the adrenal cortex in white rats during protracted exposure to styrene] Prochukhanov RA, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):412–4 (Eng. Abstr.) **(Rus)**

POISONING

A hematology survey of workers at a styrene–butadiene synthetic rubber manufacturing plant. Checkoway H, et al. **Am Ind Hyg Assoc J** 1982 Mar;43(3):164–9
Chromosome aberrations in lymphocytes of workers exposed to styrene. Norppa H, et al. **Am J Industr Med** 1981; 2(3):299–304 (22 ref.)
Chromosome investigations in lymphocytes of workers employed in areas in which styrene–containing unsaturated polyester resins are manufactured. Thiess AM, et al. **Am J Industr Med** 1980;1(2):205–10
[Studies on industrial styrene poisoning (part XII). Electron–microscopic observations on the mucosal membrane of respiratory tracts of rats exposed to styrene. (author's transl)] Ohashi Y, et al. **Sangyo Igaku** 1981 Sep; 23(5):513–29 (Eng. Abstr.) **(Jpn)**
[Studies on industrial styrene poisoning (part XI). Hematological examinations and serum chemistry of styrene workers (author's transl)] Teramoto K, et al. **Sangyo Igaku** 1981 Jan;23(1):80–1 **(Jpn)**
[The evaluation of the effects of occupational exposure to styrene and methyl methacrylate on respiratory system (author's transl)] Jędrychowski W, et al. **Przegl Lek** 1982; 39(4):299–303 (Eng. Abstr.) **(Pol)**

TOXICITY

Electronystagmographic findings in rats exposed to styrene or toluene. Tham R, et al. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):107–12
Impaired nerve function in rats after prolonged exposure to vinyltoluene. Seppäläinen AM, et al. **Arch Toxicol [Suppl]** 1982;5:100–2
The in vitro induction of sister chromatid exchanges and chromosome aberrations in human lymphocytes by styrene derivatives. Norppa H. **Carcinogenesis** 1981;2(3):237–42
Effects of microsomal induction and inhibition on styrene–induced acute hepatotoxicity in rats. Chakrabarti S, et al. **J Toxicol Environ Health** 1981 Oct;8(4):599–607
Plasma disappearance and biliary excretion of bromosulfophthalein in styrene–treated and styrene oxide–treated rats. Chakrabarti S, et al. **J Toxicol Environ Health** 1981 Oct;8(4):609–17
Effects of vinyltoluene alone and after pretreatment with polychlorinated biphenyls on hepatocellular morphology and enzyme activities in liver and kidneys in rats. Heinonen T, et al. **Toxicology** 1981/82;22(4):297–310

URINE

Styrene exposure and biologic monitoring in FRP boat production plants. Ikeda M, et al. **Int Arch Occup Environ Health** 1982 Feb;49(3–4):325–39
High–performance liquid chromatography for the quantitative determination of the urinary metabolites of toluene, xylene, and styrene. Poggi G, et al. **Int Arch Occup Environ Health** 1982;50(1):25–31

SUBACUTE SCLEROSING PANENCEPH VIRUS see **SSPE VIRUS**

SUBACUTE SCLEROSING PANENCEPHALITIS

CEREBROSPINAL FLUID

SSPE, measles virus, and the matrix protein: report of a case with unusual immunochemical findings. Mandelbaum DE, et al. **Ann Neurol** 1981 Oct;10(4):351–4

Differences between lymphocyte subsets of the cerebrospinal fluid in subacute sclerosing panencephalitis and acute aseptic meningitis. Członkowska A, et al. **J Neuroimmunol** 1981 Jun;1(2):173–81

Light chain composition of CSF oligoclonal IgG bands in multiple sclerosis and subacute sclerosing panencephalitis. Mattson DH, et al. **J Neuroimmunol** 1982 Aug;3(1):63–76

Identification of the kappa and lambda light chains within the CSF immunoglobulin region in multiple sclerosis and subacute sclerosing panencephalitis by immunofixation after isoelectric focusing. Rocchelli B, et al. **J Neurol** 1981; 226(3):169–79

COMPLICATIONS

Subacute sclerosing panencephalitis (SSPE). A case report. Brudet-Wickel CL, et al. **Doc Ophthalmol** 1982 Jan 29; 52(3–4):241–50

[Extracerebral biopsies in the diagnosis of psychomotor deterioration in children] Alexianu M. **Rev Med Interna [Neurol Psihiatr]** 1981 Jul–Sep; 26(3):167–78 (32 ref.) **(Rum)**

DIAGNOSIS

Subacute sclerosing panencephalitis: serial electroencephalographic studies. Wulff CH. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):418–21

[Subacute sclerosing pan-encephalitis—report of 2 cases (author's transl)] Zhang ZH. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):236–8 (Eng. Abstr.) **(Chi)**

[Subacute sclerosing panencephalitis. A review and a case report] Wulff CH. **Ugeskr Laeger** 1981 Dec 14; 143(51):3457–60 (Eng. Abstr.) **(Dan)**

[Variations in temporal relationships between electroencephalogram and muscular jerks. Polygraphic study of a case of subacute sclerosing panencephalitis (author's transl)] Feuerstein J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):26–31 (27 ref.) (Eng. Abstr.) **(Fre)**

[Features of the polygraphic picture of natural sleep in patients with subacute sclerosing panencephalitis] Iakhno NN, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):212–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Long-term follow-up of patients with subacute sclerosing panencephalitis treated with inosiplex. Dyken PR, et al. **Ann Neurol** 1982 Apr;11(4):359–64

The influence of inosiplex treatment on the neurological disability of patients with subacute sclerosing panencephalitis. DuRant RH, et al. **J Pediatr** 1982 Aug; 101(2):288–93

Inosiplex for SSPE [letter] Chalmers TC, et al. **Lancet** 1982 Jun 26;1(8287):1475

Inosiplex for SSPE [letter] Jones C. **Lancet** 1982 Aug 28; 2(8296):495

Inosiplex therapy in subacute sclerosing panencephalitis. A multicentre, non-randomised study in 98 patients. Jones CE, et al. **Lancet** 1982 May 8;1(8280):1034–7

Next on the agenda: drug regulatory reform. Bereuter D. **Nebr Med J** 1981 Feb;66(2):41

[Isoprinosine therapy of subacute sclerosing panencephalitis] Goetz O. **Monatsschr Kinderheilkd** 1981 Nov;129(11):655–7 **(Ger)**

ETIOLOGY

Subacute sclerosing panencephalitis after passive immunization and natural measles infection: role of antibody in persistence of measles virus. Rammohan KW, et al. **Neurology (NY)** 1982 Apr;32(4):390–4

FAMILIAL & GENETIC

Subacute sclerosing panencephalitis in a brother and sister. Therapeutic trial of fibroblast interferon. Bartram CR, et al. **Eur J Pediatr** 1982 Mar;138(2):187–90

IMMUNOLOGY

Myelin basic protein antibodies in the serum and CSF of multiple sclerosis and subacute sclerosing panencephalitis patients. Ruutiainen J, et al. **Acta Neurol Scand** 1981 Sep; 64(3):196–206

Measles virus antigen in panencephalitis. An immunomorphological study stressing dendritic involvement in SSPE. Budka H, et al. **Acta Neuropathol (Berl)** 1982;56(1):52–62

Light-chain profiles in sera from patients with subacute sclerosing panencephalitis. Mehta PD, et al. **Immunol Lett** 1982 Feb;4(2):75–8

Measles-specific IgG in CSF and serum from patients with subacute sclerosing panencephalitis. Mehta PD, et al. **Immunology** 1982 Jun;46(2):423–8

Precipitation of measles virus proteins by immunoglobulin G fractions containing groups of oligoclonal bands isolated from sera of patients with subacute sclerosing panencephalitis. Lin FH, et al. **Infect Immun** 1982 Jul; 37(1):393–6

Antibodies against measles virus polypeptides in different disease conditions. Norrby E, et al. **Infect Immun** 1981 Dec; 34(3):718–24

Cerebrospinal fluid IgG changes in subacute sclerosing panencephalitis in the various stages of the disease and during isoprinosine therapy. Poloni M, et al. **Ital J Neurol Sci** 1981 May;2(2):177–84

Immunohistochemical identification of T-lymphocytes in the central nervous system of patients with multiple sclerosis and subacute sclerosing panencephalitis. Kreth HW, et al. **J Neuroimmunol** 1982 Apr;2(2):177–83

Oligoclonal IgG in multiple sclerosis and subacute sclerosing panencephalitis brains. Mattson DH, et al. **J Neuroimmunol** 1982 Jun;2(3–4):261–76

A radioimmunoassay search for measles and distemper antigens in subacute sclerosing panencephalitis and multiple sclerosis brain tissues. Cook SD, et al. **J Neurol Sci** 1981 Sep;51(3):447–56

Distribution of measles antigen and immunoglobulin-containing cells in the CNS in subacute sclerosing panencephalitis (SSPE) and atypical measles encephalitis. Esiri MM, et al. **J Neurol Sci** 1982 Jan; 53(1):29–43

Antibody response to structural proteins of measles virus in patients with natural measles and subacute sclerosing panencephalitis. Sato TA, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):365–73

Immunologic and virologic studies of measles inclusion body encephalitis in an immunosuppressed host: the relationship to subacute sclerosing panencephalitis. Roos RP, et al. **Neurology (NY)** 1981 Oct;31(10):1263–70

Immunological mechanisms controlling measles virus infection. Cernescu C. **Virologie** 1981 Jan–Mar;32(1):41–55 (84 ref.)

[Preliminary data on some virological and immunological aspects of subacute sclerosing panencephalitis] Ghezzi A, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):940–6 (Eng. Abstr.) **(Ita)**

[Subacute viral infection in the central nervous system — subacute sclerosing panencephalitis] Sato T. **Nippon Rinsho** 1981 Jun;39(6):2303–7 (21 ref.) **(Jpn)**

METABOLISM

Glycosaminoglycan and glycoprotein changes in subacute sclerosing leucoencephalitis. Federico A, et al. **Acta Neurol (Napoli)** 1981 Jun;36(3):496–9

MICROBIOLOGY

Restriction of virus-specific protein synthesis in a persistent paramyxovirus infection. Robbins SJ, et al. **Arch Virol** 1982; 71(1):85–91

Characterization of nonmeasles paramyxovirus isolates from a patient with subacute sclerosing panencephalitis. Rapp F, et al. **Intervirology** 1981;16(3):160–7

Measles virus genome in infections of the central nervous system. Haase AT, et al. **J Infect Dis** 1981 Aug; 144(2):154–60

Experimental subacute sclerosing panencephalitis: selective disappearance of measles virus matrix protein from the Central nervous system. Johnson KP, et al. **J Infect Dis** 1981 Aug;144(2):161–9

Enrichment of measles virus-like RNA in the nucleocapsid fraction isolated from subacute sclerosing panencephalitis brains. Bedows E, et al. **J Virol Methods** 1982 Feb; 4(1):37–43

Measles and SSPE viruses: similarities and differences. Wechsler SL, et al. **Prog Med Virol** 1982;28:65–95 (189 ref.)

OCCURRENCE

Subacute sclerosing panencephalitis (SSPE) in a Nigerian teaching hospital. Izuora GI, et al. **East Afr Med J** 1981 Nov;58(11):848–52

[Cases of subacute sclerosing panencephalitis in Denmark 1970–1979] Mordhorst CH, et al. **Ugeskr Laeger** 1981 Dec 14;143(51):3460–3 **(Dan)**

[42 cases of subacute sclerosing panencephalitis hospitalized at the Ait Idir hospital in Algiers] Geronimi C, et al. **Arch Inst Pasteur Alger** 1978–79;53:274–81 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Correlative morphological and biochemical studies in a case of subacute progressive panencephalomyelitis caused by paramyxovirus. Fidziańska A, et al. **Neuropatol Pol** 1981; 19(3):293–305

PHYSIOPATHOLOGY

[Subacute sclerosing panencephalitis (report of 7 cases) (author's transl)] Feng YK, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec 1;1(2):107–17 (Eng. Abstr.) **(Chi)**

PREVENTION & CONTROL

Measles vaccine versus inosiplex [letter] Noah ND, et al. **Lancet** 1982 Jun 19;1(8286):1420

RADIOGRAPHY

Computed tomographic findings of early subacute sclerosing panencephalitis. Pedersen H, et al. **Neuroradiology** 1982; 23(1):31–2

Correlative clinical, neuroradiological and pathological findings in subacute sclerosing panencephalitis: a report of 5 cases. Schoeman JF, et al. **S Afr Med J** 1982 Sep 18; 62(13):447–50

SUBARACHNOID HEMORRHAGE

Subarachnoid haemorrhage: epidemiology, natural history, and surgical treatment. Knuckey NW, et al. **Med J Aust** 1981 Dec 12–26;2(12–13):651–4

BLOOD

Cerebral vasoactivity of heme proteins in vitro. Some mechanistic considerations. Wellum GR, et al. **J Neurosurg** 1982 Jun;56(6):777–83

High does epsilon-aminocaproic acid prolongs the bleeding time and increases rebleeding and intraoperative hemorrhage in patients with subarachnoid hemorrhage. Glick R, et al. **Neurosurgery** 1981 Oct;9(4):398–401

[Coagulation physiological controls in subarachnoid hemorrhages and their therapeutic implications] Hindersin P, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Apr; 34(4):236–41 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

Determination of tranexamic acid (AMCA) and fibrin/fibrinogen degradation products in cerebrospinal fluid after aneurysmal subarachnoid haemorrhage. Fodstad H, et al. **Acta Neurochir (Wien)** 1981;58(1–2):1–13

Anaerobic change of bloody CSF in subarachnoid haemorrhage. Its relation to cerebral vasospasm. Suzuki S, et al. **Acta Neurochir (Wien)** 1981;58(1–2):15–26

Effects of indomethacin and prostacyclin on isolated human pial arteries contracted by CSF from patients with aneurysmal SAH. Brandt L, et al. **J Neurosurg** 1981 Dec; 55(6):877–83

Intracranial pressure in subarachnoid hemorrhage. Preliminary report in 36 cases. Tomei G, et al. **J Neurosurg Sci** 1981 Apr–Jun;25(2):57–66

Fibrinolytic activity in CSF of patients with SAH in the acute phase measured by a rapid method (correlation with t-AMCA concentration in CSF. Nishimatsu T, et al. **Neurol Med Chir (Tokyo)** 1981 Jan;21(1):85–93

Absorption resistance of cerebrospinal fluid after subarachnoid hemorrhage in the monkey; effects of heparin. Blasberg R, et al. **Neurosurgery** 1981 Dec;9(6):686–91

Rapid enlargement of ventricles within seven hours after head injury. Takagi H, et al. **Surg Neurol** 1981 Aug; 16(2):103–5

[Dynamics of cerebrospinal fluid changes in subarachnoid hemorrhage in closed craniocerebral injury] Starykh VS, et al. **Vrach Delo** 1981 Jul;(7):70–2 **(Rus)**

CHEMICALLY INDUCED

Fatal subarachnoid haemorrhage in young women: role of oral contraceptives. Thorogood M, et al. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):762

CLASSIFICATION

Assessment of the consequences of subarachnoid haemorrhage. Lindsay KW, et al. **Acta Neurochir (Wien)** 1982;63(1–4):59–64

COMPLICATIONS

Atraumatic rCBF measurement: an aid in the timing of surgery and the management of spasm following SAH. Brawanski A, et al. **Acta Neurochir (Wien)** 1982; 63(1–4):43–51

Reversible causes of altered consciousness after spontaneous subarachnoid haemorrhage. Al-Din AS, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):180–1

Neurogenic pulmonary edema. Fein IA, et al. **Chest** 1982 Mar;81(3):318–20

Recurrent ventricular fibrillation after subarachnoid haemorrhage. Dose-related effect of lidocaine infusion. Pinciroli D, et al. **J Neurol** 1982;227(1):43–7

Subarachnoid haemorrhage and acoustic neuroma [letter] Shephard RH, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov;44(11):1057

Chronic cerebral vasospasm after large subarachnoid hemorrhage in monkeys. Espinosa F, et al. **J Neurosurg** 1982 Aug;57(2):224–32

Prevention of cerebral vasospasm after SAH with a thromboxane synthetase inhibitor, OKY-1581. Sasaki T, et al. **J Neurosurg** 1982 Jul;57(1):74–82

Pressure volume relation in patients with subarachnoid haemorrhage and diffuse cerebral vasospasm. Rampini PM, et al. **J Neurosurg Sci** 1981 Apr–Jun;25(2):67–72

Vascular abnormality in Klinefelter's syndrome? [letter] Monk B. **Lancet** 1982 Aug 28;2(8296):491

Syndrome of inappropriate secretion of antidiuretic hormone after subarachnoid hemorrhage. Dóczi T, et al. **Neurosurgery** 1981 Oct;9(4):394–7

Importance of monitoring the circulating blood volume in

patients with cerebral vasospasm after subarachnoid hemorrhage. Kudo T, et al. **Neurosurgery** 1981 Nov; 9(5):514–20

Mechanisms of whole blood–induced cerebral arterial contraction. Schumacher MA, et al. **Neurosurgery** 1981 Sep;9(3):275–82

Conn's syndrome presenting as a subarachnoid haemorrhage. A case report. Bryer A, et al. **S Afr Med J** 1982 Aug 14; 62(8):249–50

Reversal of experimental acute cerebral vasospasm by angiotensin converting enzyme inhibition. Andrews P, et al. **Stroke** 1982 Jul–Aug;13(4):480–3

Cerebral edema following experimental subarachnoid hemorrhage. Shigeno T, et al. **Stroke** 1982 May–Jun; 13(3):368–79

The three phases of vasospasm. Kapp JP, et al. **Surg Neurol** 1982 Jul;18(1):40–5

[Specific writing disability following spontaneous subarachnoid haemorrhage (author's transl)] Dahmen W, et al. **Nervenarzt** 1981 Oct;52(10):598–601 **(Ger)**

[The syndrome of 'inappropriate' antidiuretin secretion associated with a subarachnoid hemorrhage from a ruptured aneurysm] Dóczi T, et al. **Zentralbl Neurochir** 1982;43(1):63–8 (Eng. Abstr.) **(Ger)**

[Normal pressure hydrocephalus (NPH) following subarachnoid hemorrhage (SAH)–clinical consideration of CT and development of hydrocephalus after SAH (author's transl)] Fujita K, et al. **No To Shinkei** 1981 Aug; 33(8):845–51 (Eng. Abstr.) **(Jpn)**

[Cerebral edema following experimental subarachnoid hemorrhage (author's transl)] Shigeno T. **No To Shinkei** 1982 Mar;34(3):229–37 (Eng. Abstr.) **(Jpn)**

[Effectiveness of ventriculo–cardiac drainage in hydrocephalus following subarachnoid hemorrhage] Cristescu A, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Oct–Dec;26(4):275–82 **(Rum)**

[Cardiac arrhythmias in subarachnoid hemorrhage] Estañol B. **Gac Med Mex** 1981 Aug;117(8):337–42 **(Spa)**

DIAGNOSIS

Spontaneous course after subarachnoid haemorrhage—evaluation of 109 patients. Gallhofer B, et al. **Acta Neurochir (Wien)** 1982;63(1–4):67–70

Cautionary tales from general practice. Authentic case histories from Australian general practice illustrating pitfalls in diagnosis and management. 'A real headache'. Lewis R. **Aust Fam Physician** 1981 Oct;10(10):837–8

Subarachnoid hemorrhage: early detection and diagnosis. Brust JC. **Hosp Pract** 1982 Feb;17(2):73–80

Electrocardiographic alterations in subarachnoid haemorrhage. Correlation between spasm of the arteries of the left side on the brain and T inversion and QT prolongation. Stober T, et al. **J Neurol** 1982;227(2):99–113

Observer variability in grading patients with subarachnoid hemorrhage. Lindsay KW, et al. **J Neurosurg** 1982 May; 56(5):628–33

Brain type and cerebral ischemia after subarachnoid hemorrhage [letter] Phillips J, et al. **Lancet** 1982 Sep 18; 2(8299):662–3

Subarachnoid hemorrhage interpreted as CNS infection. Ebright JR. **South Med J** 1981 Oct;74(10):1288

[Subarachnoid hemorrhage (author's transl)] Suchenwirth RM. **MMW** 1981 Sep 18;123(38):1412–6 (Eng. Abstr.) **(Ger)**

[Long–term study of 34 cases of subarachnoid hemorrhage not subjected to surgical intervention] Grasso E, et al. **Minerva Med** 1981 Nov 10;72(44):2935–40 (Eng. Abstr.) **(Ita)**

[Cerebrovascular malformations in pregnancy] Dorizzi A, et al. **Riv Neurobiol** 1980 Oct–Dec;26(4):463–71 **(Ita)**

[Diagnosis of subarachnoid hemorrhage from an aneurysm] Nikiforov BM, et al. **Sov Med** 1982;(4):108–10 **(Rus)**

[The source of subarachnoid hemorrhage and its relation to prognosis] Svaleková A, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):248–56 (Eng. Abstr.) **(Slo)**

[Supracallosal hematoma simulating a subarachnoid hemorrhage] Martí Massó JF, et al. **Rev Clin Esp** 1981 Oct 15;163(1):55–60 **(Spa)**

DRUG THERAPY

Antifibrinolytic treatment in subarachnoid haemorrhage: present state. Fodstad H. **Acta Neurochir (Wien)** 1982; 63(1–4):233–44 (66 ref.)

Double–blind trial of aspirin in patient receiving tranexamic acid for subarachnoid hemorrhage. Mendelow AD, et al. **Acta Neurochir (Wien)** 1982;62(3–4):195–202

Antifibrinolytics in aneurysmal subarachnoid haemorrhage. A retrospective comparison of two different forms of antifibrinolytic therapy. Spallone A. **Acta Neurochir (Wien)** 1982;63(1–4):245–50

Fibrinolytic activity of cerebral tissue after experimental subarachnoid haemorrhage: inhibitory effect of tranexamic acid (AMCA). Fodstad H, et al. **Acta Neurol Scand** 1981 Jul;64(1):29–46

Antifibrinolytic therapy [letter] Vermeulen M, et al. **Arch Neurol** 1982 Jun;39(6):384

Beneficial effects of adrenergic blockade in patients with subarachnoid haemorrhage. Walter P, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1661–4

Antifibrinolytic therapy in subarachnoid hemorrhage [letter] Karis R. **Neurology (NY)** 1981 Nov;31(11):1498–1500

Current status of antifibrinolytic therapy for treatment of patients with aneurysmal subarachnoid hemorrhage. Adams HP Jr. **Stroke** 1982 Mar–Apr;13(2):256–9 (19 ref.)

Medical management of patients following a ruptured cerebral aneurysm, with epsilon–aminocaproic acid, kanamycin, and reserpine. Knuckey NW, et al. **Surg Neurol** 1982 Mar;17(3):181–5

[Experimental studies on the diffusion of antifibrinolytic agents in fibrin thrombi. A contribution to intrathecal antifibrinolytic therapy in subarachnoid hemorrhages] Hindersin P, et al. **Folia Haematol (Leipz)** 1982;109(2):313–8 (Eng. Abstr.) **(Ger)**

ECONOMICS

The underestimation of costs per year of life saved—the case of subarachnoid hemorrhage [letter] Gafni A. **AJR** 1982 Mar;138(3):594

ETIOLOGY

Vascular anomalies and subarachnoid haemorrhage associated with persisting embryonic vessels. Agnoli AL. **Acta Neurochir (Wien)** 1982;60(3–4):183–99

Experimental subarachnoid haemorrhage. Part I. a new approach to subarachnoid blood injection in cats. Trojanowski T. **Acta Neurochir (Wien)** 1982;62(3–4):171–5

Subarachnoid haemorrhage from tumours of the cauda. Carella A, et al. **Acta Neurol (Napoli)** 1981 Dec;36(6):750–3

Isolated subarachnoid hemorrhage as a medicolegal problem. Marek Z. **Am J Forensic Med Pathol** 1981 Mar;2(1):19–22

Necrotizing arteritis and spinal subarachnoid hemorrhage in Sjögren syndrome. Alexander EL, et al. **Ann Neurol** 1982 Jun;11(6):632–5

Stroke–like onset of pineal region tumors in two children. Scarfo GB, et al. **Childs Brain** 1982;9(3–4):274–9

Spinal cavernous haemangioma (intradural–extramedullary) underlying repeated subarachnoid haemorrhage. Heimberger K, et al. **J Neurol** 1982;226(4):289–93

Does alcohol intoxication precipitate aneurysmal subarachnoid haemorrhage? Hillbom M, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun;44(6):523–6

Subependymoma presenting as subarachnoid hemorrhage: case report. Changaris DG, et al. **J Neurosurg** 1981 Oct; 55(4):643–5

Smoking and subarachnoid haemorrhage. Taha A, et al. **J R Soc Med** 1982 May;75(5):332–5

Spinal subarachnoid hemorrhage due to a thoracic neurinoma during anticoagulation therapy —a case report—. Motomochi M, et al. **Neurol Med Chir (Tokyo)** 1981 Jul; 21(7):781–4

Alcohol intoxication: a risk factor for primary subarachnoid hemorrhage. Hillbom M, et al. **Neurology (NY)** 1982 Jul; 32(7):706–11

Subarachnoid hemorrhage from an intracranial meningioma. Latchaw JP Jr, et al. **Neurosurgery** 1981 Oct;9(4):433–5

The fate of untreated symptomatic cerebral aneurysms: analysis of 26 patients with clinical course of more than five years. Hashimoto N, et al. **Surg Neurol** 1982 Jul; 18(1):21–6

Subarachnoid hemorrhage due to trigeminal neurinoma. Kubota T, et al. **Surg Neurol** 1981 Aug;16(2):157–60

[Clinical analysis of 940 cases of subarachnoid hemorrhage (author's transl)] Ding MC. **Chung Hua Nei Ko Tsa Chih** 1981 Mar;20(3):134–7 **(Chi)**

[Sub–arachnoid haemorrhage due to rupture of aneurysm. Early CT scan may be used to predict the development of spasm? (author's transl)] Robert G, et al. **Neurochirurgie** 1981;27(2):129–31 (Eng. Abstr.) **(Fre)**

[The traumatic subarachnoidal hemorrhage (author's transl)] Krauland W. **Z Rechtsmed** 1981;87(1–2):1–17 (Eng. Abstr.) **(Ger)**

[Mechanical property of canine basilar artery in experimental subarachnoid hemorrhage (author's transl)] Naruo Y. **Nippon Geka Hokan** 1982 Jan 1;51(1):79–92 (Eng. Abstr.) **(Jpn)**

[A case of acoustic neurinoma simulating subarachnoid hemorrhage (author's transl)] Yonemitsu T, et al. **No Shinkei Geka** 1981 Oct;9(11):1305–10 (Eng. Abstr.) **(Jpn)**

[Spontaneous subarachnoid hemorrhage in ependymoma] Kalina P, et al. **Cesk Neurol Neurochir** 1981 Jul;44(4):230–5 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Is the vasospasm following subarachnoidal hemorrhage an immunoreactive disease? Pellettieri L, et al. **Experientia** 1981 Nov 15;37(11):1170–1

MORTALITY

Mortality study of patients with subarachnoid haemorrhage at University hospitals and their affiliated hospitals in Japan. Kobayashi S, et al. **Acta Neurochir (Wien)** 1982; 63(1–4):175–83

Subarachnoid hemorrhage and Klinefelter's syndrome [letter] Price WH, et al. **Lancet** 1982 Aug 14;2(8294):380

OCCURRENCE

Asymptomatic cerebral aneurysm: assessment of its risk of rupture. Dell S. **Neurosurgery** 1982 Feb;10(2):162–6

PATHOLOGY

Relation of cerebral vasospasm to operative findings of subarachnoid blood around ruptured aneurysms. Tomasello F, et al. **Acta Neurochir (Wien)** 1982;60(1–2):55–62

Subarachnoid hemorrhage and cerebrovascular spasm. Morphological study of intracranial arteries based on animal experiments and human autopsies. Eldevik OP, et al. **J Neurosurg** 1981 Dec;55(6):869–76

Constrictive endarteropathy following experimental subarachnoid hemorrhage. Clower BR, et al. **Stroke** 1981 Jul–Aug;12(4):501–8

[A pathological and clinical study of primary subarachnoid hemorrhage (author's transl)] Lin SH. **Chung Hua Nei Ko Tsa Chih** 1981 Mar;20(3):130–3 **(Chi)**

[Expert assessment of trauma in the origin of a basal subarachnoid hemorrhage] Tomilin VV, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):54 **(Rus)**

PHYSIOPATHOLOGY

Roles of subarachnoid blood clots and norepinephrine in cerebral vasospasm. Shigeno T, et al. **Acta Neurochir (Wien)** 1982;63(1–4):277–80

Blood–brain barrier changes after experimental subarachnoid haemorrhage. Trojanowski T. **Acta Neurochir (Wien)** 1982; 60(1–2):45–54

Effect of subarachnoid hemorrhage on the extracellular microenvironment. Hubschmann OR, et al. **J Neurosurg** 1982 Feb;56(2):216–21

Effect of subarachnoid hemorrhage on contractile responses and noradrenaline release evoked in cat cerebral arteries by histamine. Lobato RD, et al. **J Neurosurg** 1981 Oct; 55(4):543–9

Intracranial pressure changes following aneurysm rupture. Part 3: Recurrent hemorrhage. Voldby B, et al. **J Neurosurg** 1982 Jun;56(6):784–9

Subarachnoid haemorrhage and the electrocardiogram – a review. Harries AD. **Postgrad Med J** 1981 May; 57(667):294–6 (26 ref.)

[Diencephalic disorders in the acute period of cerebral aneurysm rupture] Samoilov VI. **Zh Nevropatol Psikhiatr** 1982;82(1):27–31 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Subarachnoid haemorrhage [editorial] Bartlett JR. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1347–8

Comparative clinical trial of epsilon amino–caproic acid and tranexamic acid in the prevention of early recurrence of subarachnoid haemorrhage. Chowdhary UM, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):810–3

RADIOGRAPHY

Computertomography in subarachnoid haemorrhage and aneurysm. Ladurner G, et al. **Acta Neurochir (Wien)** 1982; 63(1–4):17–22

Supplementation of conventional radiographic techniques by computer tomography in cases of subarachnoid haemorrhage (SAH). Mauersberger W, et al. **Acta Neurochir (Wien)** 1982;63(1–4):31–5

Right retrograde brachial cerebral angiography with simultaneous compression of the left carotid artery. Ericson K, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(2):97–102

Spinal subarachnoid hematoma. Frager D, et al. **AJNR** 1982 Jan–Feb;3(1):77–9

Cisternal enhancement after subarachnoid hemorrhage. Sobel D, et al. **AJNR** 1981 Nov–Dec;2(6):549–52

Subdural haematoma in association with intracranial aneurysm. Barton E, et al. **Neuroradiology** 1982; 23(3):157–60

The time course of aneurysmal haemorrhage on computed tomograms. van Gijn J, et al. **Neuroradiology** 1982; 23(3):153–6

Significance of infundibular dilatation in unexplained subarachnoid hemorrhage. Yoshida M, et al. **Neurosurgery** 1981 Dec;9(6):718–21

The incidence of radiologically demonstrable aneurysm and arteriovenous malformation in spontaneous subarachnoid haemorrhage. Barraclough CR. **Postgrad Med J** 1982 Feb; 58(676):74–6

A neuroradiologic approach to the patient with a diagnosis of subarachnoid hemorrhage. Davis KR, et al. **Radiol Clin North Am** 1982 Mar;20(1):87–94

Angiographic study of vasospasm following subarachnoid hemorrhage in monkeys. Peerless SJ, et al. **Stroke** 1982 Jul–Aug;13(4):473–9

[The scanner in the diagnosis of subarachnoid haemorrhage (author's transl] Braun JP, et al. **Rev Otoneuroophtalmol** 1981 Oct–Dec;53(5):429–32 (Eng. Abstr.) **(Fre)**

[Interest of repeated cerebral panangiography in cases of subarachnoid hemorrhage (author's transl)] Galmiche J, et al. **Rev Otoneuroophtalmol** 1982 Jan–Feb;54(1):87–9 (Eng. Abstr.) **(Fre)**

SURGERY

Blood clot evacuation in aneurysm surgery in the acute stage (arguments pro and con). Dolenc V, et al. **Acta Neurochir (Wien)** 1982;63(1–4):105–9

Surgery in the prevasospastic interval. Hashi K, et al. **Acta Neurochir (Wien)** 1982;63(1–4):141–5

Extensive evacuation of subarachnoid clot for prevention of vasospasm--effective or not? Ohta H, et al. **Acta Neurochir (Wien)** 1982;63(1–4):111–6

The significance of early operation in the management of ruptured intracranial aneurysms--an analysis of 251 cases hospitalized within 24 hours after subarachnoid haemorrhage. Taneda M. **Acta Neurochir (Wien)** 1982; 63(1–4):201–8

Subarachnoid hemorrhage from ruptured intracranial aneurysms. Timing of pathophysiological events and surgery. A survey. Tomasello F, et al. **Acta Neurol (Napoli)** 1981 Jun;36(3):517–31 (94 ref.)

Use of sodium nitroprusside for deliberate hypotension during pregnancy. Rigg D, et al. **Br J Anaesth** 1981 Sep; 53(9):985–7

Anesthetic considerations in the surgical repair of intracranial aneurysms: preanesthetic evaluation. DeBros FM, et al. **Int Anesthesiol Clin** 1982 Summer;20(2):71–6

Aneurysmal subarachnoid hemorrhage: an appraisal [editorial] Sahs AL, et al. **Mayo Clin Proc** 1982 Aug; 57(8):529–30

Aneurysmal subarachnoid hemorrhage: timing of surgery and mortality. Whisnant JP, et al. **Mayo Clin Proc** 1982 Aug; 57(8):471–5

Prevention of vasospasm by early operation with removal of subarachnoid blood. Mizukami M, et al. **Neurosurgery** 1982 Mar;10(3):301–7

Furosemide in the intraoperative reduction of intracranial pressure in the patient with subarachnoid hemorrhage. Samson D, et al. **Neurosurgery** 1982 Feb;10(2):167–9

Influence of timing of admission after aneurysmal subarachnoid hemorrhage on overall outcome. Report of the cooperative aneurysm study. Kassell NF, et al. **Stroke** 1981 Sep–Oct;12(5):620–3

[Prevention of vasospasm by removal of subarachnoid blood in early operation (author's transl)] Mizukami M, et al. **Neurol Med Chir (Tokyo)** 1981 Oct;21(10):1069–77 (Eng. Abstr.) **(Jpn)**

[Value of controlled arterial hypotension induced by sodium nitroprusside in cerebrovascular surgery] Moroz J, et al. **Pol Tyg Lek** 1982 Apr 19;37(7):185–7 (Eng. Abstr.) **(Pol)**

THERAPY

[Pregnancy and subarachnoid hemorrhage (author's transl)] Wang JY. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct; 16(4):214–6 **(Chi)**

[Intensive treatment of subarachnoid hemorrhage with objective worsening of patient status] Danilewicz B, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):599–604 (Eng. Abstr.) **(Pol)**

[Late treatment results in brain contusions with subarachnoidal hemorrhage] Starykh VS. **Vrach Delo** 1982 May;(5):104–6 **(Rus)**

[Effect of puncture perfusion of the subarachnoid space on cerebrospinal fluid composition in brain concussions with submeningeal hemorrhages] Starykh VS. **Zh Nevropatol Psikhiatr** 1982;82(5):14–8 **(Rus)**

SUBARACHNOID SPACE

Experimental subarachnoid haemorrhage. Part I. a new approach to subarachnoid blood injection in cats. Trojanowski T. **Acta Neurochir (Wien)** 1982;62(3–4):171–5

Esophago–subarachnoidal fistula: an unusual complication of esophageal carcinoma. Wippold FJ, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):147–9

Closed recirculatory spinal subarachnoid perfusion for determining CSF dynamics. Artru AA, et al. **J Neurosurg** 1982 Mar;56(3):368–72

Evaluation of prostaglandin biosynthetic activity in canine basilar artery following subarachnoid injection of blood. Sasaki T, et al. **J Neurosurg** 1981 Nov;55(5):771–8

Intrasellar subarachnoid space [letter] **Lancet** 1982 Jul 31; 2(8292):249–50

Persistent pleural effusion and traumatic subarachnoid–pleural fistula [letter] Lesoin F, et al. **Lancet** 1982 Oct 2;2(8301):772–3

Subarachnoid administration of calcitonin: A warning [letter] Shaw HL. **Lancet** 1982 Aug 14;2(8294):390

Cerebrospinal fluid drainage from a subarachnoid screw: a method for intracranial pressure reduction in some patients. Ropper AH. **Neurosurgery** 1982 Jan;10(1):91–2

Subarachnoid cyst simulating an intracanalicular acoustic neuroma. Parnes SM, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):1019–20

An improved method for chronic catheterization of the rat spinal subarachnoid space. LoPachin RM, et al. **Physiol Behav** 1981 Sep;27(3):559–61

Computerized tomographic diagnosis of subarachnoid hemorrhage and its complications. Austerlitz J, et al. **RI Med J** 1982 May;65(5):189–90

Traumatic chylothorax associated with subarachnoid–pleural fistula. Azambuja PC, et al. **Thorax** 1981 Sep;36(9):699–700

ANATOMY & HISTOLOGY

The morphology of murine cerebral ventriculosubarachnoid space I. Light microscopy. Rudick RA, et al. **Brain Res Bull** 1981 Nov;7(5):509–14

[M. A. Baron's concept of subarachnoid communications of the pia mater of the cerebral hemispheres] Maĭorova NA, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):49–60 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

T-dependent antigens are more immunogenic in the subarachnoid space than in other sites. Santos TQ, et al. **J Neuroimmunol** 1982 Jun;2(3–4):215–22

INJURIES

Subarachnoid–pleural fistula–case report and review of literature. Shannon N, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):457–60

METABOLISM

Excretion of contrast medium from the lumbar subarachnoid space of monkeys. Haughton VM, et al. **Radiology** 1982 Mar;142(3):673–6

PHYSIOLOGY

Phagocytosis of erythrocytes in the subarachnoid space at spinal nerve exits. Krahn V. **Cell Tissue Res** 1982; 221(3):687–91

RADIOGRAPHY

Metrizamide CT cisternography and perioptic subarachnoid space imaging. Chambers EF, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):875–80

A quantitative approach to measuring the cerebrospinal fluid space with CT. Zeumer H, et al. **Neuroradiology** 1982; 22(4):193–7

RADIONUCLIDE IMAGING

Cerebrospinal fluid scanning. Staab EV, et al. **Clin Nucl Med** 1981 Oct;6(10S):P103–9 (45 ref.)

SUBCELLULAR FRACTIONS

Techniques for the cell-free translation of viral RNA. Hruby DE, et al. **Lab Res Methods Biol Med** 1982;5:279–303 (63 ref.)

[Immobilized enzymes and subcellular fractions in therapeutic use] Broun GB. **Expos Annu Biochim Med** 1982;35:115–59 (154 ref.) **(Fre)**

ANALYSIS

A method for obtaining high recovery of purified subcellular fractions of rat liver homogenate. Lahav M, et al. **Anal Biochem** 1982 Mar 15;121(1):114–22

A simple, rapid, and sensitive method for measuring protein concentration in subcellular membrane fractions prepared by sucrose density ultracentrifugation. Simpson IA, et al. **Anal Biochem** 1982 Jan 15;119(2):424–7

Tissue fractionation studies on the relationship between an atrial natriuretic factor and specific atrial granules. de Bold AJ. **Can J Physiol Pharmacol** 1982 Mar;60(3):324–30

Molecular architecture of a light-harvesting antenna. Isolation and characterization of phycobilisome subassembly particles. Yamanaka G, et al. **J Biol Chem** 1982 Apr 25;257(8):4077–86

Localization of the Abelson murine leukemia virus protein in a detergent-insoluble subcellular matrix: architecture of the protein. Boss MA, et al. **J Virol** 1981 Nov;40(2):472–81

Purification and characterization of spirosomes in Lactobacillus brevis. Ueki Y, et al. **Microbiol Immunol** 1982;26(3):199–211

Observations on electron probe x-ray microanalysis compared to other methods for measuring intracellular elemental concentration. Smith NK, et al. **Scan Electron Microsc** 1981;(Pt 2):395–408 (55 ref.)

[Modern methods of analyzing electron microscope autoradiograms in research at the subcellular level] Podymov VF, et al. **Tsitologiia** 1981 Dec;23(12):1339–52 (40 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Evidence for the selective inhibition of fusion between endocytic vesicles and lysosomes by benzyl alcohol. Tolleshaug H, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):593–5

[Aminoglycoside nephrotoxicity. III. Changes in subcellular elements] Fillastre JP, et al. **Nephrologie** 1980;1(3):145–52 (153 ref.) **(Fre)**

ENZYMOLOGY

Monoamine oxidase activities in brown adipose tissue of the rat: some properties and subcellular distribution. Barrand MA, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2177–84

Effect of heparin on the subcellular distribution of human placental 7-ethoxycoumarin O-deethylase activity. Pelkonen O, et al. **Biochem Pharmacol** 1981 Dec 1; 30(23):3254–6

Subcellular distribution of hepatic aldehyde dehydrogenase activity in four inbred mouse strains. Smolen A, et al. **Comp Biochem Physiol [C]** 1981;69(2):199–204

Effects of ischemia and pharmacological treatment on subcellular fractions from neonatal rat brain. Curti D, et al. **Farmaco [Sci]** 1982 Apr;37(4):275–82

Penetration of various mononuclear ribonucleases into rat experimental granulation-tissue fibroblasts and their intracellular effects. Lehtinen P, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1575–82

Subcellular localization and some properties of monoacylglycerol lipase in rat adipocytes. Sakurada T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1413–9

METABOLISM

Photoincorporation of puromycin into rat liver ribosomes and subunits. Reboud AM, et al. **Biochemistry** 1981 Sep 1;20(18):5281–8

Subcellular localization of the 52,000 molecular weight major postsynaptic density protein. Kelly PT, et al. **Brain Res** 1982 Feb 11;233(2):265–86

Optimal levels of S9 fraction in the Ames and fluctuation tests: apparent importance of diffusion of metabolites from top agar. Forster R, et al. **Carcinogenesis** 1980 Apr; 1(4):337–46

Enhancement of S9 activation by S105 cytosolic fraction. Forster R, et al. **Carcinogenesis** 1981;2(11):1081–5

The uptake and subcellular distribution of lead in developing sea urchin embryos. Nash WW, et al. **Comp Biochem Physiol [C]** 1981;69(2):205–11

Subcellular distribution of weak acids and bases in adrenal medulla. Ng DS, et al. **Gen Pharmacol** 1982;13(1):15–20

Kinetics of gentamicin accumulation in subcellular structures of the mouse kidney. Kállay Z, et al. **J Pharm Pharmacol** 1982 Apr;34(4):276–7

Effect of ACTH on the subcellular distribution of steroids in the adrenal gland. Holzbauer M. **J Steroid Biochem** 1981 Nov;14(11):1189–95

Does endogenous cyclic GMP inhibit potassium stimulated 45Ca uptake by P2 fraction from rat brain? Ichida S, et al. **Life Sci** 1981 Aug 31;29(9):963–70

Spectrometer for laser-light scattering measurements of macromolecular and subcellular particle motions. Sattelle DB, et al. **Med Biol Eng Comput** 1982 Jan;20(1):37–43

Quinone-stimulated superoxide formation by subcellular fractions, isolated hepatocytes, and other cells. Powis G, et al. **Mol Pharmacol** 1981 Sep;20(2):387–94

Subcellular distribution of deslanatoside C in myocardium of newborn, growing and adult rabbit. Marzo A, et al. **Pharmacol Res Commun** 1982 Jan;14(1):31–9

Regulation of protein synthesis by phosphorylation of eukaryotic initiation factor 2 alpha in intact reticulocytes and reticulocyte lysates. Leroux A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2147–51

Studies on nitrosamine metabolism. III. Comparison of the subcellular distribution of radioactivity in tissues of RFM and BALB/c mice following administration of [14C]diethylnitrosamine. Daugherty JP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):165–8

Subcellular mechanisms involving vitamin D. DeLuca HF. **Subcell Biochem** 1981;8:251–72 (140 ref.)

Subcellular distribution of gold in rat renal cortex cells: limitations of electron microscopy and subcellular fractionation techniques. Shaw CF 3d, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):349–57

Influence of liver S-9 preparations from rats and rainbow trout on the activity of four mutagens. de Flora S, et al. **Toxicol Lett** 1982 Mar;10(4):345–9

[Localization of various stages of penicillin G biosynthesis in the subcellular structures of Penicillium chrysogenum PQ–96] Kurzątkowski W. **Med Dosw Mikrobiol** 1981; 33(1):15–29 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The effects of bacterial sonicates on human keratinizing stratified squamous epithelium in vitro. Kamen PR. **J Periodont Res** 1981 May;16(3):323–30

ULTRASTRUCTURE

Characterization of and hormonal effects on subcellular fractions from xanthophores of the goldfish Carassius auratus L. Lynch TJ, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):127–34

Preparation and characterization of subcellular fractions from the liver of the Northern Pike, Esox lucius. Balk L, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1491–500

Primary fixation in osmium–potassium ferrocyanide: the staining of glycogen, glycoproteins, elastin, an intranuclear reticular structure, and intercisternal trabeculae. Goldfischer S, et al. **J Histochem Cytochem** 1981 Sep; 29(9):1105–11

An improved method for the subcellular localization of calcium using a modification of the antimonate precipitation technique. Slocum RD, et al. **J Histochem Cytochem** 1982 Jul;30(7):617–29

[New method of isolating subcellular structures of the strain Penicillium chrysogenum PQ–66] Kurzątkowski W. **Med Dosw Mikrobiol** 1981;33(1):1–14 (Eng. Abstr.) **(Pol)**

SUBCLAVIAN ARTERY

A correctable complication of cardiopulmonary bypass. McLeskey CH, et al. **Anesthesiology** 1982 Mar;56(3):214–6

Systemic arteriovenous fistulae causing symptoms in infancy. Laurin S, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):41–5 **(Eng, Fre)**

Vascular manifestations in patients with Ehlers–Danlos

syndrome. Hunter GC, et al. **Arch Surg** 1982 Apr; 117(4):495–8

Fibromuscular dysplasia of the right subclavian artery. McCready RA, et al. **Arch Surg** 1982 Sep;117(9):1243–5

Subclavian arteriopathy in the young patient. Drury JK, et al. **Br J Surg** 1981 Sep;68(9):617–20

Subclavian-axillary artery aneurysms. Pairolero PC, et al. **Surgery** 1981 Oct;90(4):757–63

[A case report of fistula between subclavian artery and innominate vein (author's transl)] Yang JG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):293–4 **(Chi)**

[Aortic coarctation with bilateral aneurysms of the subclavian arteries: surgical treatment] de Mozzi P, et al. **Chir Ital** 1981 Jun;33(3):635–8 (Eng. Abstr.) **(Ita)**

[Dynamics of neurologic disorders in the immediate and late postoperative periods in patients with occlusions in the subclavian system] Gorbunov FE, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):56–60 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Isolation of a subclavian artery. Nath PH, et al. **AJR** 1981 Oct;137(4):683–8

Unusual vascular ring in infant with pulmonary atresia and ventricular septal defect. McKay R, et al. **Br Heart J** 1982 Aug;48(2):180–3

Diagnosis of an aberrant right subclavian artery on CT. Nguyen KT, et al. **CT** 1981 Mar;5(1):38–40

Dysphagia lusoria: anomalous origin of the right subclavian artery. Demonstration by computed tomography. Maier W. **Eur J Radiol** 1981 Aug;1(3):229–31

Aberrant right subclavian artery causing dysphagia. Mohan V, et al. **Indian J Chest Dis Allied Sci** 1981 Oct–Dec; 23(4):205–7

Peromelia, ipsilateral subclavian atresia, coarctation, and aneurysms of the aorta resulting from intrauterine vascular occlusion. Robinow M, et al. **J Pediatr** 1982 Jul;101(1):84–7

Asymptomatic isolated left subclavian artery with right aortic arch. A case report. Stein MG, et al. **S Afr Med J** 1982 Aug 28;62(10):333–5

Prolonged wheezing and tracheal compression caused by an aberrant right subclavian artery. Maayan CH, et al. **Thorax** 1981 Oct;36(10):793–4

[Computed tomography diagnosis of anomalies of aortic arch of the adult (author's transl)] Frija J, et al. **J Radiol** 1982 Mar;63(3):159–65 (Eng. Abstr.) **(Fre)**

[Aberrant subclavian artery in infants. Division and reimplantation into the common carotid artery through cervicotomy (author's transl)] Langlois J, et al. **Nouv Presse Med** 1982 Jan 9;11(1):47–9 (Eng. Abstr.) **(Fre)**

[Aortic isthmus stenosis with aneurysm caused by post-stenosis originating arteria lusoria] Goebel N, et al. **ROFO** 1981 Sep;135(3):360–3 **(Ger)**

[A case of retroesophageal right subclavian artery—with special reference to the morphology of cardiac nerves (author's transl)] Horiguchi M, et al. **Kaibogaku Zasshi** 1982 Feb;57(1):1–8 (Eng. Abstr.) **(Jpn)**

[An anomalous case of right subclavian artery as the last branch of the aortic arch with a variety of other variations of the cardiovascular system (author's transl)] Kawabuchi M, et al. **Kaibogaku Zasshi** 1981 Jun;56(3):145–56 (Eng. Abstr.) **(Jpn)**

[Persistent fifth aortic arch complicated by coarctation of the aorta and aneurysm of the left subclavian artery (author's transl)] Konishi T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1243–8 (Eng. Abstr.) **(Jpn)**

[Anomalies of the aortic arch] Cabrera A, et al. **Rev Esp Cardiol** 1981;34(6):507–14 (Eng. Abstr.) **(Spa)**

[Simultaneous aortography and esophagogram in the diagnosis of vascular rings] Casanova M, et al. **Rev Esp Cardiol** 1981;34(6):531–5 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Rectified circumferences of the brachiocephalic trunk, common carotid and subclavian arteries: statistical studies in 100 human cases] Gulisano M, et al. **Arch Ital Anat Embriol** 1981;86(3):209–24 (Eng. Abstr.) **(Ita)**

INJURIES

Javelin injury to the subclavian artery. McFadden PM, et al. **Am J Sports Med** 1981 Nov–Dec;9(6):400–4

A neurovascular traction injury involving the subclavian artery and brachial plexus in a motorcyclist. Deane AM. **Br J Clin Pract** 1981 Oct;35(10):364–6

Neurovascular traction injuries of the upper limb root. Batey NR, et al. **Br J Surg** 1982 Jan;69(1):35–7

[Subclavian artery rupture during closed thoracobrachial injuries. Report on eleven cases (author's transl)] Kretz JG, et al. **J Mal Vasc** 1981;6(2):107–9 (Eng. Abstr.) **(Fre)**

[Combined injury to the internal jugular vein and the intrathoracic portion of the left subclavian artery] Protsenko NV, et al. **Sov Med** 1981;(12):114–5 **(Rus)**

PHYSIOPATHOLOGY

[Takayasu's disease involving the vessels arising from the arch of the aorta and those of the upper limbs (author's transl)] Cormier JM, et al. **J Mal Vasc** 1982;7(1):15–9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Apical pleural capping and a continuous heart murmur. Oliveros RA, et al. **Chest** 1982 Mar;81(3):355–6

Left subclavian arteriography via the translumbar approach. Gross BH, et al. **J Can Assoc Radiol** 1982 Mar;33(1):48–9

The left apical cap [letter] Gondos B. **Radiology** 1982 Jan; 142(1):254

SURGERY

Simplified operative procedure for proximal subclavian arterial lesions: direct subclavian–carotid anastomosis. Diethrich EB, et al. **Am J Surg** 1981 Sep;142(3):416–21

Acute upper limb ischemia in the thoracic outlet syndrome: its correction by axillo–axillary bypass grafting. Egan TJ, et al. **Angiology** 1981 Sep;32(9):639–41

Recurrent coarctation of the thoracic aorta: subclavian flap arterioplasty with carotid reimplantation of the distal subclavian artery. Hvass U, et al. **Ann Thorac Surg** 1981 Nov;32(5):495–8

Obliterative arterial disease of the upper extremity. Welling RE, et al. **Arch Surg** 1981 Dec;116(12):1593–6

Polytetrafluoroethylene shunts in congenital heart disease. Nanton MA, et al. **Can J Surg** 1982 Mar;25(2):134–8

False aneurysm of a palliative shunt producing massive hemoptysis. Caffarena JM, et al. **Chest** 1982 Jan;81(1):110–2

New frontiers in vascular surgery. Martin P. **Int Surg** 1981 Jul–Sep;66(3):217–9

The surgical treatment of atherosclerotic occlusion of the innominate and subclavian arteries. Personal experience with longterm follow-up. Deriu GP, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):532–8

The modified blalock–taussig shunt using microporous expanded polytetrafluoroethylene (PTFE). Lawless CE, et al. **J Cardiovasc Surg (Torino)** 1982 Jul–Aug;23(4):287–92

Intraluminal shunt technique in systemic to pulmonary arterial anastomosis for severely cyanotic patients. Shimizu T, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr; 23(2):172–4

Intrapericardial Blalock–Taussig shunt. Pappas G, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):422–6

Delayed costocervical trunk aneurysm. Mintz S, et al. **J Trauma** 1982 Jun;22(6):519–20

An experience using spiral vein graft as arterial substitute. Koga Y, et al. **Jpn J Surg** 1981;11(4):305–9

[False aneurysms of the subclavian artery] Echavé V, et al. **Can J Surg** 1981 Nov;24(6):651–3 (Eng. Abstr.) **(Fre)**

[Modern aspects of the surgical reconstruction of the supra-aortic trunks] Schillaci A. **Ann Ital Chir** 1981; 53(3):329–35 **(Ita)**

[The clinical and experimental studies on the hemodynamic influence of the shunt flow through anastomosis of Blalock–Taussig operation (author's transl)] Irisawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep; 29(9):1409–16 (Eng. Abstr.) **(Jpn)**

[Repair of aortic coarctation by isthmoplasty with the left subclavian artery in symptomatic patients in the 1st year of life] Prates PR, et al. **Arq Bras Cardiol** 1981 Jun; 36(6):403–6 (Eng. Abstr.) **(Por)**

TRANSPLANTATION

Subclavian flap angioplasty. Experimental study in growing piglets. Pae WE Jr, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):922–7

SUBCLAVIAN STEAL SYNDROME

COMPLICATIONS

Ipsilateral subclavian steal in association with aberrant origin of the left vertebral artery from the aortic arch. Holder J, et al. **AJNR** 1981 Sep–Oct;2(5):411–3

Fuchs' heterochromic cyclitis associated with subclavian steal syndrome. Donoso LA, et al. **Ann Ophthalmol** 1981 Oct;13(10):1153–5

Coronary arterial stenosis and subclavian steal in Takayasu's arteritis. Martin de Dios R, et al. **Eur J Cardiol** 1981; 12(3–4):229–34

[Simultaneous occurrence of aortic arch and neurovascular shoulder syndromes] Farkas P, et al. **Orv Hetil** 1981 Jun 28;122(26):1577–9 **(Hun)**

CONGENITAL

Right aortic arch, isolated left common carotid and left subclavian arteries, and subclavian steal syndrome: a variant of polysplenia syndrome. Crump WD, et al. **Hum Pathol** 1981 Oct;12(10):936–8

Right aortic arch with contralateral congenital subclavian steal syndrome. Lakner G, et al. **J Cardiovasc Surg (Torino)** 1981 Jul–Aug;22(4):316–20

DIAGNOSIS

Monitoring direction of vertebral artery blood flow by Doppler shift ultrasound in patients with suspected 'subclavian steal'. Liljeqvist L, et al. **Acta Chir Scand** 1981; 147(6):421–4

Noninvasive diagnosis of reversed vertebral blood flow in subclavian steal syndrome by measurement of a delay in pulse-wave propagation in the upper extremities. Fischer M, et al. **Vasa** 1982;11(1):32–5

[Practical angiology, Part 2. Dizziness attacks in manual labor] Marshall M. **MMW** 1982 Feb 26;124(8):100 **(Ger)**

[Subclavian steal syndrome: presentation of 2 clinical cases and critical considerations] Marnini P, et al. **Boll Soc Ital Cardiol** 1980;25(6):689–99 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Tourniquet subclavian steal: brainstem ischemia and cortical blindness—clinical significance and testing. Carney AL, et al. **Adv Neurol** 1981;30:283–90

PATHOLOGY

[Subclavian steal syndrome. Apropos of 2 cases] Ammar H, et al. **Tunis Med** 1981 Sep–Oct;59(5):393–9 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Subclavian steal: a review. Greenfield NN. **Heart Lung** 1982 Jul–Aug;11(4):327–31

SURGERY

Simplified operative procedure for proximal subclavian arterial lesions: direct subclavian–carotid anastomosis. Diethrich EB, et al. **Am J Surg** 1981 Sep;142(3):416–21

Axillooaxillary bypass for subclavian and innominate artery revascularization. Bentley FR, et al. **Am Surg** 1982 Feb; 48(2):70–4

Hemodynamic consequences of axillo–axillary bypass. Swayngim DM Jr, et al. **J Cardiovasc Surg (Torino)** 1982 Jan–Feb;23(1):65–8

[Pathology of the main supra-aortic vessels. Long term results of surgery for vetebro–subclavian steal syndromes (author's transl)] Courbier R, et al. **Ann Cardiol Angeiol (Paris)** 1982 Mar–Apr;31(2):129–32 (Eng. Abstr.) **(Fre)**

[2 cases of subclavian steal syndrome] Troiani R, et al. **Minerva Chir** 1982 Apr 15;37(7):663–8 (Eng. Abstr.) **(Ita)**

THERAPY

[Subclavian Steal syndrome–operation or dilation? (author's transl)] Mathias K, et al. **Langenbecks Arch Chir** 1982; 356(4):279–83 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminal angioplasty (PTA) of branches of the aortic arch (author's transl)] Ritter H, et al. **ROFO** 1982 Apr;136(4):365–70 (Eng. Abstr.) **(Ger)**

[Subclavian artery stenosis treated by oral fibrinolytics and percutaneous transluminal angioplasty] Horváth L, et al. **Orv Hetil** 1982 Apr 25;123(17):1051–3 **(Hun)**

SUBCLAVIAN VEIN

The knotted Swan–Ganz catheter: new solution to a vexing problem. Dach JL, et al. **AJR** 1981 Dec;137(6):1274–5

Use of a split-sheath vein introducer for subclavian venipuncture in the placement of silicone catheters for chronic venous access. Annest LS, et al. **Am J Surg** 1982 Sep;144(3):367–9

Doppler ultrasound technique for safer percutaneous catheterization of the infraclavicular subclavian vein. Peters JL, et al. **Am J Surg** 1982 Mar;143(3):391–3

Percutaneous infraclavicular subclavian catheterization. Rubio PA, et al. **Am Surg** 1982 May;48(5):230–1

Immediate problems associated with infraclavicular subclavian catheterisation; a comparison between left and right sides. Matthews NT, et al. **Anaesth Intensive Care** 1982 May;10(2):113–5

Subclavian venous catheterisation in small children using the Seldinger technique. Pybus DA, et al. **Anaesthesia** 1982 Apr;37(4):451–3

'Effort thrombosis' of the subclavian vein associated with oral contraceptives. Stricker SJ, et al. **Ann Emerg Med** 1981 Nov;10(11):596–9

Diagnosis of thrombosis by catheter phlebography after prolonged central venous catheterization. Brismar B, et al. **Ann Surg** 1981 Dec;194(6):779–83

Subclavian puncture for dual-chamber pacing [letter] Rao G. **Ann Thorac Surg** 1982 May;33(5):528

Dialysis catheter-induced pericardial tamponade. Merrill RH, et al. **Arch Intern Med** 1982 Sep;142(9):1751–3

Subclavian cannulation for hemodialysis: the present state of the art. Uldall R. **Artif Organs** 1982 Feb;6(1):73–6

Axillary-subclavian vein occlusion in patients with lung neoplasms. Mason BA. **Cancer** 1981 Oct 15;48(8):1886–9

Percutaneous central venous catheterization performed by medical house officers: a prospective study. Bo–Linn GW, et al. **Cathet Cardiovasc Diagn** 1982;8(1):23–9

Experience with subclavian vein for vascular access. Smith SB, et al. **Clin Exp Dial Apheresis** 1981;5(3):293–7

Compartmental syndrome following subclavian vein hemodialysis. Vaz AJ. **Clin Exp Dial Apheresis** 1982; 6(1):15–24

Subclavian cannulation for hemodialysis. Uldall PR. **Int J Artif Organs** 1981 Sep;4(5):213–4

The subclavian veins as access in haemodialysis. Turner MJ, et al. **Ir J Med Sci** 1981 Oct;150(10):296–300

Complications of subclavian vein cannulation. McCormack T, et al. **Ir Med J** 1981 Dec;74(12):373–4
Percutaneous subclavian venous catheters in neonates and children. Eichelberger MR, et al. **J Pediatr Surg** 1981 Aug; 16(4 Suppl 1):547–53
Subclavian vein catheterization during cardiopulmonary resuscitation. A prospective comparison of the supraclavicular and infraclavicular percutaneous approaches. Dronen S, et al. **JAMA** 1982 Jun 18; 247(23):3227–30
Thromboembolic complications with silicone elastomer subclavian catheters. Ross AH, et al. **JPEN** 1982 Jan–Feb; 6(1):61–3
Cannula insertion and hemodialysis [letter] **Lancet** 1982 Jul 24;2(8291):213
Massive thrombosis around subclavian cannulas used for haemodialysis [letter] Ratcliffe PJ, et al. **Lancet** 1982 Jun 26;1(8287):1472–3
Thrombus formation and central venous catheters [letter] Stephens WP, et al. **Lancet** 1982 Sep 18;2(8299):664–5
Incidence and prevention of thrombosis of the subclavian vein during total parenteral nutrition. Fabri PJ, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):238–40
Subclavian catheterization using the peel away sheath. Vazquez RM. **Surg Gynecol Obstet** 1981 Dec;153(6):852–6
Percutaneous subclavian vein placement of the Hickman catheter. Kirkemo A, et al. **Surgery** 1982 Mar;91(3):349–51
Direct central vein puncture for silicone rubber catheter insertion. An alternative technique for Broviac catheter placement. Stellato TA, et al. **Surgery** 1981 Nov; 90(5):896–9
Effort thrombosis, a complication of thoracic outlet syndrome. Dunant JH. **Vasa** 1981;10(4):322–4
[An unusual complication of subclavian vein catheterization] Brndiar M, et al. **Vnitr Lek** 1982 May;28(5):502–4 **(Cze)**
[The subclavian vein catheter related infections (author's transl)] Kannisto K, et al. **Anesth Analg (Paris)** 1982; 38(11–12):645–50 (Eng. Abstr.) **(Fre)**
[Fibrinolytic treatment of acute and subacute thromboses of the deep veins of the shoulder girdle (author's transl)] Theiss W, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):933–6 (Eng. Abstr.) **(Ger)**
[Paget–von Schroetter syndrome. Current status of diagnosis and therapy] Dinkelaker F, et al. **Med Welt** 1982 May 7; 33(18):671–5 **(Ger)**
[Insertion of permanent endocardial pacing electrodes through the subclavian vein: results of a five-year period (author's transl)] Zwirner K. **Z Kardiol** 1980 Dec; 69(12):835–9 (Eng. Abstr.) **(Ger)**
[Permanent pacemaker implantation through the subclavian vein] Quarta Colosso M, et al. **Boll Soc Ital Cardiol** 1980; 25(6):673–6 (Eng. Abstr.) **(Ita)**
[Prolonged catheterization of the central venous system through the basilic or cephalic vein] Abo-Rahmy E, et al. **Minerva Cardioangiol** 1981 Nov;29(11):631–4 (Eng. Abstr.) **(Ita)**
[Septic complications in subclavian vein catheterization] Bergoglio D, et al. **Minerva Med** 1981 Nov 17; 72(46):3097–9 (Eng. Abstr.) **(Ita)**
[Subclavian vein cannulation in preparation for repeated hemodialysis in children with terminal renal failure] Gruchalski J, et al. **Wiad Lek** 1982 Jan 1;35(1):15–7 (Eng. Abstr.) **(Pol)**
[Device for clamping an infusion system cannula to a subclavian catheter] Beliaevskiĭ AD, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):57–8 (Eng. Abstr.) **(Rus)**
[Severe complication of subclavian vein catheterization] Grigor'ev EG, et al. **Anesteziol Reanimatol** 1982 Jan–Feb; (1):52–3 **(Rus)**
[Complications of subclavian vein catheterization] Magomedov AG, et al. **Anesteziol Reanimatol** 1981 Nov–Dec;(6):63–6 (Eng. Abstr.) **(Rus)**
[Initial experience with endocardiac electrode insertion by puncture for the permanent stimulation of the heart via the subclavian veins] Lautsiavichius A, et al. **Kardiologiia** 1981 Dec;21(12):102–3 **(Rus)**
[Suppurative and septic complications of catheterization of the large veins] Fedorov BN, et al. **Klin Khir** 1982 Jan; (1):48–50 **(Rus)**
[Osteomyelitis of the clavicle as a complication of subclavian vein catheterization] Beliaevskiĭ AD, et al. **Vestn Khir** 1981 Oct;127(10):97–8 **(Rus)**
[Complications of subclavian vein punctures and catheterization and the means for their prevention] Ermolaev VL, et al. **Vestn Khir** 1981 Nov;127(11):120–4 (Eng. Abstr.) **(Rus)**
[Complications related to the technic of subclavian vein catheterization] Konopliankin AA, et al. **Vestn Khir** 1982 Jan;128(1):140–3 **(Rus)**
[Vascular complications of cervical ribs] Galindo N, et al. **Angiologia** 1982 Jan–Feb;34(1):10–4 **(Spa)**
[Subclavian catheterization for parenteral nutrition. Experience with 500 consecutive catheter placements] Medina E, et al. **Rev Gastroenterol Mex** 1981 Jul–Sep; 46(3):131–4 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Regional anatomy regarding the placement of central venous cannulas. Cobb LM, et al. **Ariz Med** 1981 Jan;38(1):33–6

INJURIES

[Various complications and hazards of catheterization of the superior vena cava through the subclavian vein] Prikhod'ko NT, et al. **Anesteziol Reanimatol** 1981 Jul–Aug;(4):62–4 (Eng. Abstr.) **(Rus)**
[Complications of subclavian–vena cava catheterization] Ageev AK, et al. **Klin Med (Mosk)** 1982 May;60(5):91–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Simplified technique for permanent atrioventricular pacing via a single venipuncture. Fox S, et al. **Chest** 1981 Dec; 80(6):745–7

RADIONUCLIDE IMAGING

Increased focal activity on perfusion lung image. Isawa T, et al. **J Nucl Med** 1982 Jun;23(6):513–5

SURGERY

Implantation of permanent transvenous pacemaker via subclavian vein. Kessinger JM, et al. **Arch Surg** 1982 Aug; 117(8):1105–7
A variation on the introducer technique for unlimited access to the subclavian vein. Belott PH. **PACE** 1981 Jan;4(1):43–8
[Venous occlusions in the upper extremities (author's transl)] Waibel P. **Praxis** 1981 Dec 1;70(49):2229–31 (Eng. Abstr.) **(Ger)**

SUBCOMMISSURAL ORGAN see under **NEUROSECRETORY SYSTEMS**

SUBCONSCIOUS see **UNCONSCIOUS (PSYCHOLOGY)**

SUBCUTANEOUS EMPHYSEMA see under **EMPHYSEMA**

SUBDURAL EFFUSION see under **MENINGITIS**

SUBDURAL SPACE see under **MENINGES**

SUBFORNICAL ORGAN see under **NEUROSECRETORY SYSTEMS**

SUBGINGIVAL CURETTAGE

see related
PERIODONTITIS

A comparison of cord gingival displacement with the gingitage technique. Tupac RG, et al. **J Prosthet Dent** 1981 Nov;46(5):509–15

ADVERSE EFFECTS

Effect of a local germicide on the occurrence of bacteremia during subgingival scaling. Witzenberger T, et al. **J Periodontol** 1982 Mar;53(3):172–9

INSTRUMENTATION

Comparison of ultrasonic to hand instruments in the removal of subgingival plaque. Thornton S, et al. **J Periodontol** 1982 Jan;53(1):35–7

METHODS

Direct irrigation and subgingival plaque. Hardy JH, et al. **J Clin Periodontol** 1982 Jan;9(1):57–65
Effects of subgingival chlorhexidine irrigation of periodontal inflammation. Soh LL, et al. **J Clin Periodontol** 1982 Jan; 9(1):66–74
Histologic evaluation of gingival curettage facilitated by sodium hypochlorite solution. Kalkwarf KL, et al. **J Periodontol** 1982 Feb;53(2):63–70
The effect of sodium hypochlorite and citric acid solutions on healing of periodontal pockets. Vieira EM, et al. **J Periodontol** 1982 Feb;53(2):71–80

SUBJECT HEADINGS

A reference file for small animal practices. Schindler RL. **VM SAC** 1981 Jul;76(7):982

SUBLIMATION

Either/or. A contribution to the problem of symbolization and sublimation. Thorner H. **Int J Psychoanal** 1981;62(Pt 4):455–63

SUBLIMINAL PERCEPTION see **SUBLIMINAL STIMULATION**

SUBLIMINAL STIMULATION

The use of a flash-on-flash paradigm to assess sensitivity changes due to retinal disease. Greenstein VC, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):102–12
Whither subliminal psychodynamic activation? A reply to Silverman. Allen GJ, et al. **J Abnorm Psychol** 1982 Apr; 91(2):131–3
Reply to Silverman. Heilbrun KS. **J Abnorm Psychol** 1982 Apr;91(2):134–5
Rejoinder to Allen and Condon's and Heilbrun's Replies. Silverman LH. **J Abnorm Psychol** 1982 Apr;91(2):136–8
A comment on two subliminal psychodynamic activation studies. Silverman LH. **J Abnorm Psychol** 1982 Apr; 91(2):126–30
[Subliminal perception and the levels of activation] Borgeat F, et al. **Can J Psychiatry** 1981 Jun;26(4):255–9 (Eng. Abstr.) **(Fre)**

SUBLINGUAL GLAND

ABNORMALITIES

Cervical ronula due to an ectopic sublingual gland. Braun TW, et al. **J Maxillofac Surg** 1982 Feb;10(1):56–8

ANALYSIS

Characterization of autonomic receptors in the rat sublingual gland by biochemical and radioligand assays. Martinez JR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):313–8

CYTOLOGY

Ultrastructural localization of acidic glycoconjugates with the low iron diamine method. Takagi M, et al. **J Histochem Cytochem** 1982 May;30(5):471–6

ENZYMOLOGY

Localization of the activity of arylsulphatases A and B in the rat salivary glands. Vitaioli L, et al. **Acta Histochem (Jena)** 1981;69(1):70–6
Amylase released from the parotid gland by pilocarpine elevates the enzyme activity in the submandibular and sublingual glands of rats. Ikeno T, et al. **Experientia** 1982 Feb 15;38(2):251–2

INNERVATION

The origin of the preganglionic parasympathetic fibres to the mandibular and sublingual salivary glands in the rat: a horseradish peroxidase study. Mitchell J, et al. **J Anat** 1981 Jun;132(Pt 4):513–8

PATHOLOGY

[Correlation between postsialographical changes of salivary amylase levels in serum and the histopathological findings of sublingual glands in the patients with Sjögren's syndrome (author's transl)] Yamauchi K, et al. **Ryumachi** 1981 Mar; 21(1):3–8 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Irradiated salivary glands in the rhesus monkey. A light microscopic study. Bowers DE Jr, et al. **J Med Primatol** 1981;10(4–5):228–39

RADIONUCLIDE IMAGING

Acinic cell carcinoma of the sublingual gland. Scintigraphy in pre-operative evaluation. van den Akker HP, et al. **Int J Oral Surg** 1981 Oct;10(5):363–6

SECRETION

Fluid and electrolyte secretion from the isolated, perfused submandibular and sublingual glands of the rat. Compton J, et al. **Arch Oral Biol** 1981;26(7):555–61

SUBLINGUAL REGION see **MOUTH FLOOR**

SUBLUXATION, LENS see **LENS DISLOCATION AND SUBLUXATION**

SUBMANDIBULAR GLAND

Submandibular salivary duct calculus secondary to a foreign body. Watkins RM. **Br J Surg** 1982 Jul;69(7):379
Two probable cases of a depression in the mandible caused by the submandibular salivary gland in Pre-Columbian Peruvians. Sawyer DR, et al. **J Maxillofac Surg** 1981 Aug; 9(3):194–6
Parotid and submandibular duct calculi in three successive generations of one family. Bullock KN. **Postgrad Med J** 1982 Jan;58(675):35–6
[Effect of therapeutic enzyme preparations on submaxillary gland enzyme activity in rats with experimental traumatic submaxillitis] Kovalenko AF, et al. **Fiziol Zh** 1982 Jan–Feb; 28(1):61–4 (Eng. Abstr.) **(Rus)**
[Formation of concretions around foreign bodies in Wharton's duct] Sakovich AA, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):38–9 (Eng. Abstr.) **(Rus)**

ANALYSIS

Histochemical demonstration of glucagon and serotonin by a fluorescent method in the rat submaxillary gland. Paulo E, et al. **Acta Morphol Acad Sci Hung** 1981;29(4):291–8
Lipids associated with mineralization of human submandibular gland sialoliths. Boskey AL, et al. **Arch Oral Biol** 1981;26(10):779–85
An immunofluorescence study of age-dependent changes in localization of epidermal growth factor in the submandibular salivary glands of mice. Steidler NE, et al. **Arch Oral Biol** 1981;26(3):165–9
Lethal factor in the male mouse submandibular gland.

Hatakeyama K, et al. **Can J Physiol Pharmacol** 1981 Nov; 59(11):1134–8

Isolation and characterization of goat submaxillary-mucin. Dutta BB, et al. **Carbohydr Res** 1982 Feb 16;101(1):101–8

Studies on LM protein appearing in submandibular glands of isoproterenol-treated rats. IV. Size and shape determination. Naito Y, et al.
Chem Pharm Bull (Tokyo) 1982 Mar;30(3):1063–5

Secretory granules of murine salivary glands. A morphological, biochemical and morphological, biochemical and immunochemical study of submandibular and parotid granules. Nieuw Amerongen AV, et al.
J Biol Buccale 1982 Mar;10(1):11–30

The mouse submaxillary gland: a model for the study of hormonally dependent growth factors. Walker P.
J Endocrinol Invest 1982 May–Jun;5(3):183–96 (165 ref.)

Ultrastructural localization of salivary acidic proline-rich proteins from Macaca fascicularis. Kousvelari EE, et al.
J Histochem Cytochem 1982 Mar;30(3):274–8

Epidermal growth factor and renin in mouse submandibular glands. Tanaka T, et al. **J Histochem Cytochem** 1981 Oct; 29(10):1229–31

Subcellular fractionation of cat submandibular gland: comparative studies on the distribution of acetylcholine and vasoactive intestinal polypeptide (VIP). Lundberg JM, et al. **Neuroscience** 1981;6(6):1001–10

Ontogenesis of nerve growth factor and epidermal growth factor in submaxillary glands and nerve growth factor in brains of immature male mice: correlation with ontogenesis of serum levels of thyroid hormones. Walker P, et al.
Pediatr Res 1982 Jul;16(7):520–4

ANATOMY & HISTOLOGY

[Location of the large hypoglossal nerve in relation to the submaxillary gland and the inferior maxilla based on 33 dissections] Sylla S, et al. **Dakar Med** 1981;26(4):470–7 **(Fre)**

[Morphometric studies of the aging of human submaxillary glands (author's transl)] Rother P, et al. **Anat Anz** 1982; 151(1):29–40 (Eng. Abstr.) **(Ger)**

[Effects of incisor amputation on submaxillary gland in the rat. Changes in nerves and blood vessels] Gomez de Rivera F. **Anat Histol Embryol** 1982 Mar;11(1):32–44 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Kallikrein–kinin system in regulation of submandibular gland blood flow. Orstavik TB, et al. **Am J Physiol** 1982 Jun; 242(6):H1010–4

Pressure–flow relations in the vascular bed of the rabbit submandibular gland. Fazekas A, et al. **J Dent Res** 1982 Jan;61(1):66–8

CYTOLOGY

Some morphological properties of cells from the submaxillary gland of rats in tissue culture. Paulo E.
Folia Biol (Krakow) 1981;29(3–4):287–91

Characterization of epithelial elements in human major salivary glands by functional markers: localization of amylase, lactoferrin, lysozyme, secretory component, and secretory immunoglobulins by paired immunofluorescence staining. Korsrud FR, et al. **J Histochem Cytochem** 1982 Jul;30(7):657–66

DRUG EFFECTS

Complementary role of vasoactive intestinal polypeptide (VIP) and acetylcholine for cat submandibular gland blood flow and secretion. II. Effects of cholinergic antagonists and VIP antiserum. Lundberg JM, et al.
Acta Physiol Scand 1981;113(3):329–36

Hypertrophic and hyperplastic effects of thyroxine on the submandibular gland of the mouse. Gresik EW, et al.
Anat Rec 1981 Aug;200(4):443–6

Non-developmental modifications induced in submandibular glands of young rats by chronic isoproterenol administration. Denny PC, et al. **Arch Oral Biol** 1981; 26(4):297–301

A light and electron microscopic study of the distribution and effects of water-soluble radiographic contrast medium after retrograde infusion into the rat submandibular gland. Qwarnström EE, et al. **Arch Oral Biol** 1982;27(2):117–27

Effect of tolbutamide on the protein secretion of the rat salivary glands. Chilla R, et al. **Arch Otorhinolaryngol** 1981; 232(3):221–6

Carbachol potentiates the cyclic AMP-stimulating effect of VIP in cat submandibular gland. Enyedi P, et al.
Eur J Pharmacol 1982 Apr 8;79(1–2):139–43

Changes in some metabolites contents of the carbohydrate metabolism in mouse submandibular salivary gland after stimulation by isoproterenol. Nicolau J, et al.
Gen Pharmacol 1982;13(2):153–5

Biochemical modulation of the submandibular salivary gland of castrated male mice treated with anabolic steroids. Doine AI, et al. **J Biol Buccale** 1981 Dec;9(4):401–7

Effects of thyroid function on submaxillary gland sensitivity to autonomic nervous drugs. Tumilasci OR, et al.
J Endocrinol Invest 1982 Jan–Feb;5(1):5–11

Characterization of neuronal and vascular histamine receptors mediating the salivary and vasodilator responses to histamine of the dog submandibular gland. Shimizu T, et al. **Tohoku J Exp Med** 1981 May;134(1):1–8

Effects of reserpine treatment on beta-adrenergic/adenylate cyclase modulate secretion and resynthesis by the rat submandibular gland. Cutler LS, et al.
Virchows Arch [Pathol Anat] 1981;392(2):185–98

EMBRYOLOGY

The turnover of basal lamina glycosaminoglycan correlates with epithelial morphogenesis. Bernfield M, et al.
Dev Biol 1982 Apr;90(2):291–305

Intercellular junctions in developing rat submandibular glands. (I) Tight junctions. Shimono M, et al.
J Electron Microsc (Tokyo) 1981;30(1):29–45

Analysis of elongating morphogenesis of quail anterior submaxillary gland: absence of localized cell proliferation. Nogawa H. **J Embryol Exp Morphol** 1981 Apr;62:229–39

Mesenchymal control over elongating and branching morphogenesis in salivary gland development. Nogawa H, et al. **J Embryol Exp Morphol** 1981 Dec;66:209–21

[Electron microscopic observations on the development of the rabbit submandibular gland (author's transl)] Yaku Y. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun;84(6):637–46 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Localization of the activity of arylsulphatases A and B in the rat salivary glands. Vitaioli L, et al.
Acta Histochem (Jena) 1981;69(1):70–6

Sympathetic denervation affects the choline acetyltransferase activity in decentralized parasympathetic neurones of the submaxillary gland of the rat. Ekström J.
Acta Physiol Scand 1981 May;112(1):71–5

Proteolytic enzymes from the mouse submaxillary gland: a partial sequence and demonstration of spontaneous cleavages. Schenkein I, et al. **Arch Biochem Biophys** 1981 Jun;209(1):57–62

Reduction of carbonic anhydrase activity in the submandibular salivary glands of zinc-deficient rats. Chaudhry IM, et al. **Arch Oral Biol** 1981;26(5):399–402

Plasminogen activator activity in the subunits of mouse submandibular gland nerve-growth factor and epidermal growth factor. Hiramatsu M, et al. **Arch Oral Biol** 1982; 27(6):517–8

Release of benzoyl-arginine-ethylester esterase from dispersed cells of mouse submandibular gland. Izumi H, et al. **Arch Oral Biol** 1981;26(11):845–51

Influence of thyroid hormone on (Na+ + K+)-dependent adenosine triphosphatase activity in rat submandibular glands. Saito S, et al. **Arch Oral Biol** 1982;27(1):83–5

Prt-4 and Prt-5: new constituents of a gene cluster on chromosome 7 coding for esterproteases in the submandibular gland of the house mouse (Mus musculus). Otto J, et al. **Biochem Genet** 1981 Jun;19(5–6):431–44

Genetic and endocrine control of renin activity in the submaxillary gland of the mouse. Wilson CM, et al.
Biochem Genet 1981 Jun;19(5–6):509–23

Specificity of ovine submaxillary-gland sialyltransferases. Application of high-pressure liquid chromatography in the identification of sialo-oligosaccharide products. Bergh ML, et al. **Biochem J** 1982 Feb 1;201(2):411–5

Tonin, an esteroprotease from rat submaxillary glands. Thibault G, et al. **Biochim Biophys Acta** 1981 Jul 24; 660(1):23–9

Regulation of mouse submaxillary gland renin by thyroxine. Wilson CM, et al. **Endocrinology** 1982 Mar;110(3):982–9

Genetic variation in esteroproteases in the mouse submandibular gland. Hiramatsu M, et al. **Experientia** 1981 Oct 15;37(10):1068–9

Amylase released from the parotid gland by pilocarpine elevates the enzyme activity in the submandibular and sublingual glands of rats. Ikeno T, et al. **Experientia** 1982 Feb 15;38(2):251–2

Hormonal regulation of chymotrypsin-like esteroproteases in the mouse submandibular gland. Takuma T, et al.
Histochemistry 1981 Dec;73(3):477–80

Induction of various androgen-dependent esteroproteases (trypsin-like and chymotrypsin-like enzymes) by triiodo-L-thyronine in the submandibular glands of female mice and mice with testicular feminization. Hosoi K, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1793–8

Independent inductions of trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular gland. Takuma T, et al.
J Biochem (Tokyo) 1981 Nov;90(5):1371–5

Investigation of the requirements for O-glycosylation by bovine submaxillary gland UDP-N-acetylgalactosamine:polypeptide N-acetylgalactosamine transferase using synthetic peptide substrates. Briand JP, et al. **J Biol Chem** 1981 Dec 10; 256(23):12205–7

Structure of mouse submaxillary gland renin. Identification of two disulfide-linked polypeptide chains and the complete amino acid sequence of the light chain. Misono KS, et al. **J Biol Chem** 1982 Jul 10;257(13):7536–40

Mouse glandular kallikrein genes. Nucleotide sequence of cloned cDNA coding for a member of the kallikrein arginyl esteropeptidase group of serine proteases. Richards RI, et al. **J Biol Chem** 1982 Mar 25;257(6):2758–61

Genetic regulation of thermostability of mouse submaxillary gland renin. Wilson CM, et al. **J Biol Chem** 1982 Jan 10; 257(1):217–23

Immunocytochemical investigations on the submandibular glands of developing and adult mice using a specific antiserum on protease A. Gresik EW, et al.
J Histochem Cytochem 1981 Dec;29(12):1411–7

Crystallization of mouse submaxillary gland renin. Mornon JP, et al. **J Mol Biol** 1982 Mar 15;155(4):539–40

Biochemical and histochemical evidence of 16S acetylcholinesterase in salivary glands. Kása P, et al.
J Neurochem 1982 Jan;38(1):278–80

An unexpected effect of arachis oil: increased peroxidase activity in murine submandibular gland. Cockle SM, et al.
J Pharm Pharmacol 1982 Apr;34(4):278–9

Complete amino acid sequence and maturation of the mouse submaxillary gland renin precursor. Panthier JJ, et al.
Nature 1982 Jul 1;298(5869):90–2

Molecular cloning of a mouse submaxillary gland renin cDNA fragment. Rougeon F, et al.
Proc Natl Acad Sci USA 1981 Oct;78(10):6367–71

Solid-phase radioimmunoassay of tonin in extracts of submandibular glands of rats treated chronically with isoproterenol. Gutkowska J, et al.
Proc Soc Exp Biol Med 1982 Jun;170(2):165–71

[Autoradiographic and cytochemical localization of (Na+–K+)-activated adenosine triphosphatase in the acini of dog salivary gland (author's transl)] Nakagaki I.
Nippon Seirigaku Zasshi 1981;43(7):213–25 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Murine submandibular salivary gland in-vitro growth characteristics utilizing cyanocrylate-aided adhesion to glass. Lamey PJ, et al. **Arch Oral Biol** 1981;26(9):759–60

Acinar cell proliferation in the parotid and submandibular salivary glands of the neonatal rat. Klein RM.
Cell Tissue Kinet 1982 Mar;15(2):187–95

Immunohistochemical localization of dipeptidyl aminopeptidase (DAP) IV in the rat submandibular gland during postnatal development. Sahara N, et al.
Histochemistry 1981;72(2):229–36

Postnatal development of trypsin-like esteroproteases in mouse submandibular gland. Takuma T. et al.
Histochemistry 1981;72(1):25–31

IMMUNOLOGY

Experimental induction of sialadenitis in rats by heterologous anti-salivary gland antibodies. Ichikawa Y, et al.
Tokai J Exp Clin Med 1982 Jan;7(1):53–61

INJURIES

[Role of the parasympathetic nervous system in cell proliferation of the corneal epithelium of rats after submandibular gland injury] Denisov AB, et al.
Biull Eksp Biol Med 1982 Apr;93(4):13–5 (Eng. Abstr.) **(Rus)**

INNERVATION

Preponderance for either alpha- or beta-adrenoceptor mediated sensitization in the rat submaxillary gland. Ekström J, et al. **Acta Physiol Scand** 1981 Sep;113(1):103–10

The surgical anatomy of the mandibular distribution of the facial nerve. Ziarah HA, et al. **Br J Oral Surg** 1981 Sep; 19(3):159–70

Delay by drugs of adrenergic nerve degeneration after proximal or distal sympathectomy of the submaxillary gland. Sanz NR, et al. **Gen Pharmacol** 1982;13(3):195–202

The origin of the preganglionic parasympathetic fibres to the mandibular and sublingual salivary glands in the rat: a horseradish peroxidase study. Mitchell J, et al.
J Anat 1981 Jun;132(Pt 4):513–8

Responses of salivatory neurons in the medulla oblongata of rabbit. Matsuo R, et al. **Jpn J Physiol** 1982;32(2):309–13

Recent physiological studies of the alimentary autonomic innervation. Edwards AV, et al.
Scand J Gastroenterol [Suppl] 1982;71:77–89

Further evidence for postganglionic actions of prostaglandin F2 alpha and histamine in the submandibular gland of the dog. Shimizu T, et al. **Tohoku J Exp Med** 1982 May; 137(1):59–63

METABOLISM

Interrelationships of ion transport in rat submaxillary duct epithelium. Knauf H, et al. **Am J Physiol** 1982 Feb; 242(2):F132–9

Quantitative autoradiographic study of tryptophane movement in guinea-pig submandibular glands. Matthews RW, et al. **Arch Oral Biol** 1981;26(11):911–4

Distribution of nerve growth factor in the submandibular gland of the male and female mouse. A re-examination by use of an improved immunohistochemical procedure. Hofmann HD, et al. **Cell Tissue Res** 1981;221(1):77–83

Studies on LM protein appearing in submandibular glands of isoproterenol-treated rats. II. Physicochemical properties. Naito Y, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1373–6

Studies on LM protein appearing in submandibular glands of isoproterenol-treated rats. I. Purification and characteristics of its appearance. Naito Y.
Chem Pharm Bull (Tokyo) 1981 May;29(5):1365–72

Studies on LM protein appearing in submandibular glands of isoproterenol-treated rats. III. Some aspects of its

formation. Naito Y. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):1059–62

Biosynthesis of preprorenin and intracellular conversion of prorenin to renin. Morris BJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):441–5

Renin release from mouse submandibular gland in vitro. Izumi H, et al. **Endocrinology** 1982 Sep;111(3):758–66

Thyroxine reverses deficits of nerve growth factor and epidermal growth factor in submandibular glands of mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1982 Apr;110(4):1392–401

Structure determination of oligosaccharides isolated from A+, H+ and A–H– hog–submaxillary–gland mucin glycoproteins, by 360–MHz 1H–NMR spectroscopy, permethylation analysis and mass spectrometry. Van Halbeek H, et al. **Eur J Biochem** 1981 Sep 1;118(3):487–95

The localization of kallikrein in the dog and guinea–pig submandibular glands. Uddin M, et al. **Experientia** 1981; 37(8):872–8

Induction of epidermal growth factor by tri–iodo–L–thyronine in the submandibular glands of mice with testicular feminization. Hosoi K, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):267–70

Autoradiographic localization of dexamethasone in the rabbit submandibular gland. Hernandez MR, et al. **J Dent Res** 1982 Jun;61(6):821–3

Metabolism of C19 steroids in vitro by the submaxillary salivary gland of mature and immature domestic pigs. Booth WD. **J Endocrinol** 1982 Apr;93(1):91–7

Sexual dimorphism of SDS peptide patterns from the submaxillary glands of mice. Kim YK, et al. **J Exp Zool** 1981 Dec;218(3):447–53

Postsynaptic localization of alpha 2–adrenergic receptors in rat submandibular gland. Bylund DB, et al. **J Neurosci** 1981 Sep;1(9):1003–7

Specificity of neutral amino acid uptake at the basolateral side of the epithelium in the cat salivary gland in situ. Bustamante JC, et al. **J Physiol (Lond)** 1981;313:65–79

Protein production and release by dispersed rat submandibular gland cells in vitro after adrenergic stimulation. Baum BJ, et al. **Life Sci** 1981 Sep 14; 29(11):1143–51

Vasoactive intestinal polypeptide enhances muscarinic ligand binding in cat submandibular salivary gland. Lundberg JM, et al. **Nature** 1982 Jan 14;295(5845):147–9

Abundant androgen regulated mRNAs in mouse submandibular gland: cell–free translation of renin precursor mRNA. Pratt RE, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3433–49

Biological activities of cystic fibrosis serum. IV. Stimulation of the calcium mediated K+ efflux from rat submandibular gland fragments. Bogart BI, et al. **Pediatr Res** 1982 Mar; 16(3):223–6

Permeability of canine submandibular glands to blood–borne horseradish peroxidase during parasympathetic secretion. Garrett JR, et al. **Q J Exp Physiol** 1982 Jan;67(1):31–9

[The proportion of N–acetyl–neuraminic acid in human parotid and submandibular gland saliva (author's transl)] Klinger G, et al. **Zahn Mund Kieferheilkd** 1982;70(3):217–22 (Eng. Abstr.) **(Ger)**

[Effects of adrenaline, noradrenaline and pilocarpine on the oxygen uptake in rat submandibular gland (author's transl)] Sakamoto S, et al. **Nippon Seirigaku Zasshi** 1981; 43(10):469–78 (Eng. Abstr.) **(Jpn)**

[Effect of different functional states on the ionic and water content of submandibular gland tissue in rats] Iaremenko MS. **Fiziol Zh SSSR** 1981 Nov;67(11):1739–43 **(Rus)**

[Content of serotonin and histamine in rat submandibular gland under conditions of botulism and toxic diphtheria] Mikhailov VV, et al. **Vopr Med Khim** 1981 May–Jun; 27(3):317–20 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cytomegalovirus–like particles in the red–backed vole submandibular gland. Odajima M. **Experientia** 1982 Mar 15;38(3):393–4

PATHOLOGY

Giant calculi of the submandibular salivary gland. Zakaria MA. **Br J Oral Surg** 1981 Sep;19(3):230–2

The gigantiform salivary calculus. Isacsson G, et al. **Int J Oral Surg** 1982 Apr;11(2):135–9

Obstruction of salivary flow caused by denture overextension. Milles M. **J Am Dent Assoc** 1982 Jul; 105(1):62–4

Giant submaxillary sialolith. Koshal KD, et al. **J Indian Med Assoc** 1981 Jul 1;77(1):14–5

[On the strategy of measuring in gerontology (author's transl)] Rother P, et al. **ZFA (Dresden)** 1981;36(6):489–93 (Eng. Abstr.) **(Ger)**

[Reaction of the rat submandibular gland to repeated amputations of the lower and upper incisors (a morphometric study)] Sukmanskii OI, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(11):61–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Complementary role of vasoactive intestinal polypeptide (VIP) and acetylcholine for cat submandibular gland blood flow and secretion. I. VIP release. Lundberg JM, et al. **Acta Physiol Scand** 1981;113(3):317–27

Three–dimensional growth and morphogenesis of mouse submandibular epithelial cells in serum–free primary culture. Yang J, et al. **Exp Cell Res** 1982 Feb;137(2):481–5

Analysis of reflex responses in preganglionic parasympathetic fibres innervating submandibular glands of rabbits. Kawamura Y, et al. **J Physiol (Lond)** 1982 Jan;322:241–55

PHYSIOPATHOLOGY

Permeability of canine submandibular glands to blood–borne horseradish peroxidase: effects of transient ductal obstruction during secretion. Garrett JR, et al. **Q J Exp Physiol** 1982 Apr;67(2):349–59

[Changes in the submandibular salivary glands in Sjögren's syndrome] Solntsev AM, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):48–50 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Microwave–induced increase of water and conductivity in submaxillary salivary gland of rats. Mikolajczyk H. **Bioelectromagnetics** 1981;2(1):51–60

Irradiated salivary glands in the rhesus monkey. A light microscopic study. Bowers DE Jr, et al. **J Med Primatol** 1981;10(4–5):228–39

Effects of irradiation on the submandibular gland of the rat. An enzyme histochemical and ultrastructural study. Chomette G, et al. **Virchows Arch [Pathol Anat]** 1981; 391(3):291–9

RADIOGRAPHY

Large submandibular gland sialoliths. Branitz MB, et al. **Oral Surg** 1982 May;53(5):546

The postero–anterior lower occlusal view—a routine projection for the submandibular gland. Semple J, et al. **Radiography** 1982 Jun;48(570):122–4

SECRETION

Vast release of submaxillary mouse renin to saliva after stimulation with cholinergic, beta–adrenergic but especially alpha–adrenergic agonists. Pedersen EB, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):636–40

Secretory potentials in the submaxillary gland of the cat. Thesleff P. **Acta Physiol Scand** 1981 Mar;111(3):281–6

Fluid and electrolyte secretion from the isolated, perfused submandibular and sublingual glands of the rat. Compton J, et al. **Arch Oral Biol** 1981;26(7):555–61

Progressive secretory dysfunction in the rat submandibular gland after excretory duct ligation. Martinez JR, et al. **Arch Oral Biol** 1982;27(6):443–50

Secretory responses of the rat submandibular and parotid glands to sequential stimulation with pilocarpine and isoproterenol. Martinez JR, et al. **Arch Oral Biol** 1982; 27(2):159–66

Light– and electron–microscopic radioautographic study of glycoprotein secretion in the granular duct of the submandibular gland of the male mouse. Lima TG, et al. **Cell Tissue Res** 1981;220(2):405–25

An electrophoretic study of proteins secreted by the rat submandibular gland in response to autonomic agonists. Wilson SM. **Experientia** 1982 May 15;38(5):608–10

Effects of stimulation of the chorda tympani in bursts on submaxillary responses in the cat. Andersson PO, et al. **J Physiol (Lond)** 1982 Jan;322:469–83

The role of buffer anions and protons in secretion by the rabbit mandibular salivary gland. Case RM, et al. **J Physiol (Lond)** 1982 Jan;322:273–86

Development of stimulus–secretion coupling in salivary glands. Cutler LS, et al. **Methods Cell Biol** 1981;23:531–45

Permeability of canine submandibular glands to blood–borne horseradish peroxidase: effects of transient ductal obstruction during secretion. Garrett JR, et al. **Q J Exp Physiol** 1982 Apr;67(2):349–59

[Investigations on selected sialobiochemical parameters of parotid and submaxillary saliva in relation to secretor status (author's transl)] Meyer P, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):75–7 (Eng. Abstr.) **(Ger)**

[Effects of antimicrotubular agents on the secretory process of rat submandibular acinar cells (author's transl)] Kawai K. **Kaibogaku Zasshi** 1981 Dec;56(6):484–98 (Eng. Abstr.) **(Jpn)**

[Studies of sodium transport during secretion in the perfused dog submandibular gland (author's transl)] Goto T. **Nippon Seirigaku Zasshi** 1981;43(2):31–43 (Eng. Abstr.) **(Jpn)**

[Heat production, blood flow, O2 uptake and CO2 output in the secretary process of the dog submandibular gland (author's transl)] Murakami M. **Nippon Seirigaku Zasshi** 1981 May;43(5):135–47 (Eng. Abstr.) **(Jpn)**

SURGERY

The effect of submandibular duct rerouting in the treatment of sialorrhea in children. Cotton RT, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):535–41

TRANSPLANTATION

Neuroauxological effect of the rat salivary gland on the central stump of corneal nerves. Craviotto C, et al. **Eur Surg Res** 1981;13(6):458–69

ULTRASTRUCTURE

Ultrastructural studies on the bleb formation in seal and rat submandibular gland striated ducts. Messelt EB. **Acta Odontol Scand** 1982;40(1):25–33

Ultrastructural studies on apical blebs of striated ducts in the rat submandibular gland. Messelt EB. **Acta Odontol Scand** 1982;40(2):103–11

The epithelium of the excretory duct of the human submandibular gland: a transmission and scanning electron microscopic study. Testa–Riva F, et al. **Am J Anat** 1981 Apr;160(4):381–93

Ultrastructure and histochemistry of the submandibular gland of the Japanese wood mouse (Apodemus ainu ainu Tokuda). Odajima M. **Arch Histol Jpn** 1981 Sep; 44(4):385–400

Ultrastructural phosphatase cytochemistry of the intercalary ducts of the parotid and submandibular salivary glands of man. Auger DW, et al. **Arch Oral Biol** 1982;27(1):79–81

Ciliated ductal cells in obstructive sialadenitis. Davies KJ, et al. **J Microsc** 1981 Sep;123(Pt 3):RP1–RP2

SEM observation of the stromal surface of the monkey submandibular gland treated with HCl–collagenase. Hamasaki M, et al. **Kurume Med J** 1980;27(4):247–52

[The secretory granules of the human fetal salivary glands as revealed by electron microscopic staining for carbohydrate – PAM and PA–TSC–SP stainings– (author's transl)] Yaku Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):529–33 (Eng. Abstr.) **(Jpn)**

SUBMANDIBULAR GLAND DISEASES see under **SALIVARY GLAND DISEASES**

SUBMANDIBULAR GLAND NEOPLASMS see under **SALIVARY GLAND NEOPLASMS**

SUBMARINE MEDICINE

see related
SEALED CABIN ECOLOGY

Relationship of personality factors and some social habits to cardiovascular risk in submariners. Tappan DV, et al. **Aviat Space Environ Med** 1982 Apr;53(4):383–9

Work and rest on nuclear submarines. Beare AN, et al. **Ergonomics** 1981 Aug;24(8):593–610

Determinants of display legibility in dark, turbid waters. Vaughan WS Jr, et al. **Hum Factors** 1982 Apr;24(2):193–201

Effect of a 68–day submarine patrol on serum 25–hydroxyvitamin D levels in healthy men. Gilman SC, et al. **Int J Vitam Nutr Res** 1982;52(1):63–7

Surgical problems presenting at sea during 100 British Polaris submarine patrols [letter] Brayley NF. **J R Nav Med Serv** 1981;67(3):177–8

Surgical problems presenting at sea during 100 British Polaris submarine patrols. Glover SD, et al. **J R Nav Med Serv** 1981;67(2):65–9

Hazards of enclosed space–raised ambient CO2. Harrison JR, et al. **J R Nav Med Serv** 1981;67(3):138–46

[Effect of local vibration on the diver during underwater work] Sterlikov AV, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):32–5 (Eng. Abstr.) **(Rus)**

[Baromedicine—a current research field] Hesser CM. **Lakartidningen** 1981 Sep 16;78(38):3271–4 (Eng. Abstr.) **(Swe)**

SUBMAXILLARY GLAND see **SUBMANDIBULAR GLAND**

SUBMERSION see **IMMERSION**

SUBMITOCHONDRIAL PARTICLES see under **MITOCHONDRIA**

SUBMUCOUS PLEXUS

Tissue culture of the enteric nervous system. Jessen KR, et al. **Scand J Gastroenterol [Suppl]** 1982;71:173

METABOLISM

Neurons with 5–hydroxytryptamine–like immunoreactivity in the enteric nervous system: their visualization and reactions to drug treatment. Costa M, et al. **Neuroscience** 1982 Feb;7(2):351–63

Neurons with 5–hydroxytryptamine–like immunoreactivity in the enteric nervous system: their projections in the guinea–pig small intestine. Furness JB, et al. **Neuroscience** 1982 Feb;7(2):341–9

PATHOLOGY

[Anatomo–functional aspects of the gallbladder in patients with Chagas megaesophagus] Conte VP. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr;36(2):69–77 **(Por)**

PHYSIOLOGY

Removal of the ganglionated plexuses from the gut wall: advantages for studies of the enteric nervous system. Jessen KR. **Scand J Gastroenterol [Suppl]** 1982;71:91–102

SUBPHRENIC ABSCESS

COMPLICATIONS

[Rare complication of a subphrenic abscess] Kryshen' VP. **Klin Khir** 1982 Jan;(1):56 **(Rus)**

DIAGNOSIS

[Subphrenic abscess: clinical and therapeutic aspects: apropos of 52 cases] Chelli K, et al. **Tunis Med** 1981 Jul–Aug; 59(4):265–9 (Eng. Abstr.) **(Fre)**

[Diagnosis and treatment of subphrenic abscesses] Korotkevich GE, et al. **Klin Khir** 1982 Jan;(1):55–6 **(Rus)**

ETIOLOGY

Subphrenic abscess. Frøyen J, et al. **Acta Chir Scand** 1981; 147(6):447–9

Cholecystitis and subphrenic abscess caused by Salmonella virchow. Billingham JD, et al. **Postgrad Med J** 1981 May; 57(667):308–9

[Right subphrenic abscess and bronchial fistula from late trans–diaphragmatic migration of a postoperative abdominal foreign body.(author's transl)] Dartevelle P, et al. **J Chir (Paris)** 1981 Jul–Aug;118(6–7):413–6 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

[Prevention of subphrenic abscess after right–sided hepatectomy (author's transl)] Mouiel J, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2011–2 **(Fre)**

RADIOGRAPHY

Anterior left subphrenic abscess: characteristic plain film and CT appearance. Halvorsen RA, et al. **AJR** 1982 Aug; 139(2):283–9

ERC demonstration of biliary fistula and subphrenic abscess. Sassaris M, et al. **Endoscopy** 1982 Jul;14(4):151–2

[Pneumoperitoneum and left subphrenic abscess due to perforated appendicitis, a case report (author's transl)] Hirata H, et al. **Rinsho Hoshasen** 1981 Feb;26(2):307–10 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Subphrenic abscess] Solheim K, et al. **Tidsskr Nor Laegeforen** 1981 Oct 30;101(30):1712–5 (Eng. Abstr.) **(Nor)**

SURGERY

Triangulation: indirect CT guidance for abscess drainage. Gerzof SG. **AJR** 1981 Nov;137(5):1080–1

[Subdiaphragmatic abscess] Shapkin VS, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):92–4 **(Rus)**

SUBSIDIES, EDUCATIONAL see **TRAINING SUPPORT**

SUBSIDIES, GOVERNMENT see **FINANCING, GOVERNMENT**

SUBSIDIES, HEALTH PLANNING see **HEALTH PLANNING SUPPORT**

SUBSIDIES, RESEARCH see **RESEARCH SUPPORT**

SUBSTANCE ABUSE

see related
DRUG AND NARCOTIC CONTROL

Paradoxical effects of frequent analgesic use. Kudrow L. **Adv Neurol** 1982;33:335–41

Fetal alcohol effects and maternal cough syrup abuse. Chasnoff IJ, et al. **Am J Dis Child** 1981 Oct;135(10):968

Sudden death associated with thyroid hormone abuse. Bhasin S, et al. **Am J Med** 1981 Nov;71(5):887–90

Surreptitious diuretic ingestion and pseudo–Bartter's syndrome. Jamison RL, et al. **Am J Med** 1982 Jul; 73(1):142–7

Students learn about drug abuse. Coster JM. **Am Pharm** 1981 Sep;21(9):54–5

Abuse of trichloroethylene by oral self–administration. Wells JC. **Anaesthesia** 1982 Apr;37(4):440–1

Vasculitis and vitamin abuse [letter] Bear RA, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):48

Trihexyphenidyl abuse. Mohan D, et al. **Br J Addict** 1981; 76(2):195–7

Trihexyphenidyl (Artane) abuse: euphoriant and anxiolytic. Kaminer Y, et al. **Br J Psychiatry** 1982 May;140:473–4

Unusual strychnine poisoning and its treatment: report of eight cases. O'Callaghan WG, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):478

A pharmacological classification of drugs of abuse. Nahas GG. **Bull Narc** 1981;33(2):1–19 (39 ref.)

Medical services for outdoor rock music festivals. Chapman KR, et al. **Can Med Assoc J** 1982 Apr 15;126(8):935–8

The uses and abuses of laxatives. MacCara ME. **Can Med Assoc J** 1982 Apr 1;126(7):780–2

Abuse of salbutamol inhalers in young people. Pratt HF. **Clin Allergy** 1982 Mar;12(2):203–9

Cervicothoracic complications of intravenous drug abuse. Merhar GL, et al. **Comput Tomogr** 1981 Oct–Dec; 5(4):271–82

The problem of antibiotic overdose [editorial] Holloway WJ. **Del Med J** 1982 Apr;54(4):211–2

Drug abuse in pregnancy: fetal ad neonatal effects. Cohen MS. **Drug Ther** 1982;:165–79 (46 ref.)

Cocaine self–administration in humans. Fischman MW, et al. **Fed Proc** 1982 Feb;41(2):241–6

Drug preferences in humans. Johanson CE, et al. **Fed Proc** 1982 Feb;41(2):228–33

Tolfenamic acid and ergotamine abuse. Ala–Hurula V, et al. **Headache** 1981 Nov;21(6):240–2

Components of variance in polydrug use. Blumberg HH. **Int J Addict** 1981 Feb;16(2):305–15

Drug themes in metropolitan newspapers: review and analysis. Craig RJ. **Int J Addict** 1981 Aug;16(6):1087–93

Fictitious data in drug abuse research. Inciardi JA. **Int J Addict** 1981 Feb;16(2):377–80

Indicated preference for drugs of abuse. Kliner DJ, et al. **Int J Addict** 1982 Apr;17(3):543–47

Comparison of media for substance abuse education in rural communities. Miller MC 3d, et al. **Int J Addict** 1981 May; 16(4):585–92

Drugs (prescription, over–the–counter, social) and the young adult: use and attitudes. Vener AM, et al. **Int J Addict** 1982 Apr;17(3):399–415

Cigarette smoking and drug use in schoolchildren. II. Factors associated with smoking. O'Connell DL, et al. **Int J Epidemiol** 1981 Sep;10(3):223–31

Methaqualone ingestion: evaluation of present status. Bailey DN. **J Anal Toxicol** 1981 Nov–Dec;5(6):279–82

Development of a dental career teacher program in substance abuse. Arthur MS, et al. **J Dent Educ** 1982 Mar;46(3):173–5

Laxative abuse causing gastrointestinal bleeding. Weiss BD, et al. **J Fam Pract** 1982 Jul;15(1):177–81

Drug diversion activity in Iowa. Ervanian A. **J Iowa Med Soc** 1982 Jun;72(6):235, 245

Postgraduate substance abuse teaching: cognitive knowledge before and after a required course. Cushman P Jr. **J Med Educ** 1981 Oct;56(10):866–7

Intracranial hemorrhage associated with phencyclidine abuse. Bessen HA. **JAMA** 1982 Aug 6;248(5):585–6

Analgesic–abuse nephropathy [letter] Blewitt GA. **JAMA** 1982 Sep 3;248(9):1063–4

The drug victim is too often the same: the fetus [news] Carlson C. **JAMA** 1982 Jul 23;248(4):409–10

Abuse of steroidal drugs by Homoeopaths and Hakims. Din NM, et al. **JPMA** 1981 Sep;31(9):204–5

Renal pelvic neoplasms and atypical urothelium in patients with end–stage analgesic nephropathy. Blohmé I, et al. **Kidney Int** 1981 Nov;20(5):671–5

Tardive dystonia and inappropriate use of neuroleptic drugs [letter] Burke RE, et al. **Lancet** 1982 Jun 5;1(8284):1299

Amyl nitrite use by homosexuals [letter] McManus TJ, et al. **Lancet** 1982 Feb 27;1(8270):503

Doctors—the duped drug suppliers? Hunziker C. **Minn Med** 1982 Jul;65(7):425

National surveillance of cocaine use and related health consequences. **MMWR** 1982 May 28;31(20):265–8, 273

Drug abuse and the American adolescent. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:1–127

Common mechanisms in substance abuse. Brady JV. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):11–20

The place of adjunctive behavior in drug abuse research. Falk JL. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul; (37):271–8

Adolescent marijuana abusers and their families. Hendin H, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Sep; (40):1–109

Commonalities and differences among reinforcers. Johanson CE. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul; (37):235–7

An analysis of commonalities in substance abuse and habitual behavior. Levison PK. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):27–41

Toxic encounters of the dangerous kind. The nutmeg connection. Mack RB. **NC Med J** 1982 Jun;43(6):439

Latent oxidative damage to erythrocytes and Heinz body formation in vitro: a study of an acetophenetidin abuser. Ohno YI, et al. **Nippon Ketsueki Gakkai Zasshi** 1982 Feb; 45(1):44–9

Pseudo–speed. Look–alikes or pea–shooters. Dougherty RJ. **NY State J Med** 1982 Jan;82(1):74–5

Drug utilization patterns in chronic pain patients. Turner JA, et al. **Pain** 1982 Apr;12(4):357–63

Buprenorphine self–administration by rhesus monkey. Mello NK, et al. **Pharmacol Biochem Behav** 1981 Aug; 15(2):215–25

Experimental studies of the abuse potential of d, l–glaucine. 1.5–phosphate in rhesus monkeys. Schuster CR, et al. **Pharmacol Biochem Behav** 1982 May;16(5):851–4

Propoxyphene dependence: an update. Collins GB, et al. **Postgrad Med** 1981 Dec;70(6):57–61

Benzodiazepine prescription to middle–aged women: it is done indiscriminately by family physicians? Rosser WW. **Postgrad Med** 1982 Apr;71(4):115–20

Self–injection of barbiturates and benzodiazepines in baboons. Griffiths RR, et al. **Psychopharmacology (Berlin)** 1981; 75(2):101–9

Drug arteritis: a case report after injection of oral dextropropoxyphene into the radial artery. Hekali P, et al. **ROFO** 1981 Aug;135(2):245–6

Ultrastructural changes in the gut autonomic nervous system following laxative abuse and in other conditions. Riemann JF, et al. **Scand J Gastroenterol [Suppl]** 1982;71:111–24

Severe psychological disturbance resulting from abuse of nasal decongestants. Blackwood GW. **Scott Med J** 1982 Apr;27(2):175–6

The use of valium as a form of social control. Koumjian K. **Soc Sci Med [E]** 1981 Aug;15(3):245–9

Rejection and the use of chemical agents. Ruznisky SA, et al. **Soc Sci Med [E]** 1981 Aug;15(3):205–10

Propylhexedrine Intoxication: Clinical Presentation and Pharmacology. Liggett SB. **South Med J** 1982 Feb; 75(2):250–1

Evaluation of toluene and acetone inhalant abuse. I. Pharmacology and pharmacodynamics. Bruckner JV, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):27–38

[Abuse of diuretics as a disease – a psychophysiological syndrome] Nielsen I. **Nord Med** 1982 Apr;97(4):114–5 **(Dan)**

[Surreptitious abuse of laxatives] Bondo E, et al. **Ugeskr Laeger** 1981 Jun 8;143(24):1539–40 (Eng. Abstr.) **(Dan)**

[Legalized koffinautin abuse (letter)] Gerlach J. **Ugeskr Laeger** 1981 May 4;143(19):1224–5 **(Dan)**

[Clonidine (Catapressan) prescription for substance abusers (letter)] Hjelt K. **Ugeskr Laeger** 1981 May 24;143(21):1366 **(Dan)**

[Delinquency and drugs in the Juvenile Court of Vaud canton–from 1971 to 1979] Schmid D, et al. **Soz Praventivmed** 1981 Oct;26(5):334–6 (Eng. Abstr.) **(Fre)**

[The drug problem in the opinion of working women—representative study] Biener K. **Off Gesundheitswes** 1981 Nov;43(11):578–82 **(Ger)**

[Tobacco, alcohol and drugs in central Switzerland (author's transl)] Biener K. **Praxis** 1981 Oct 6;70(41):1783–6 (Eng. Abstr.) **(Ger)**

[Intravenous injections of dissolved pentazocin tablets (Fortalgesic)—a new aspect of drug abuse in our country?] Zeltner TB, et al. **Schweiz Med Wochenschr** 1982 Mar 6; 112(10):344–8 (Eng. Abstr.) **(Ger)**

[Analgesics dependence and abuse] Wörz R. **ZFA (Stuttgart)** 1981 Sep 20;57(26):1720–4 **(Ger)**

[Abuse and dependancy on anticholinergic drugs] Kaminer Y, et al. **Harefuah** 1981 Jun 1;100(11):548–9 **(Heb)**

[Side effects of benzodiazepines: 'rebound' anxiety and insomnia] Pesce A, et al. **Clin Ter** 1981 Dec 15;99(5):461–70 (32 ref.) (Eng. Abstr.) **(Ita)**

[A case of black liver induced by phenacetin abuse (author's transl)] Nagasaki Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):932–6 **(Jpn)**

[More about antiparkinson agents] Sujak E. **Psychiatr Pol** 1981 May–Jun;15(3):329 **(Pol)**

[Socio–pharmacological aspects of clinical pharmacology] Walter H. **Farmakol Toksikol** 1982 May–Jun;45(3):18–22 **(Rus)**

BLOOD

Pentazocine and tripelennamine (T's and Blues) abuse: toxicological findings in 39 cases. Poklis A, et al. **J Anal Toxicol** 1982 May–Jun;6(3):109–14

Detection and identification of volatile organic compounds in blood by headspace gas chromatography as an aid to the diagnosis of solvent abuse. Ramsey JD, et al. **J Chromatogr** 1982 May 21;240(2):423–44

CLASSIFICATION

Nomenclature and classification of drug– and alcohol–related problems: a shortened version of a WHO memorandum. **Br J Addict** 1982 Mar;77(1):3–20

COMPLICATIONS

Cocaine abuse and toxicity. Dipalma JR. **Am Fam Physician** 1981 Nov;24(5):236–8

The measurement of multiple drug use and its relationship to the patterning of alcohol intake. Morrissey ER. **Am J Drug Alcohol Abuse** 1981;8(3):311–28

Nephropathy as a hazard of analgesic abuse. Anandan JV, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1536–9

Case report. Tumoral calcinosis: an unusual complication of the laxative abuse syndrome. Jimenez RA, et al. **Am J Med Sci** 1981 Nov–Dec;282(3):141–7

Stercoral ulceration and perforation of colon secondary to narcotics abuse. Gingold BS. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Dec; 32(12):5–6, 24

Heparin and factitious purpura [letter] Kim HC, et al. **Ann Intern Med** 1982 Mar;96(3):377

Homemade nitrous oxide: no laughing matter. Messina FV, et al. **Ann Intern Med** 1982 Mar;96(3):333–4

Pyogenic infections of the public symphysis. Sequeira W, et al. **Ann Intern Med** 1982 May;96(5):604–6

Ocular findings in the intravenous drug abuser. Lederer CM Jr, et al. **Ann Ophthalmol** 1982 May;14(5):436–8

Septic submacular choroidal embolus associated with intravenous drug abuse. Limaye SR, et al. **Ann Ophthalmol** 1982 Jun;14(6):518–22

Acute pyrogenic reaction in illicit drug users [letter] Blanck RR, et al. **Arch Intern Med** 1982 Aug;142(8):1583–2

Necrotizing fasciitis complicating intravenous drug abuse. Jacobson JM, et al. **Arch Intern Med** 1982 Mar;142(3):634–5

Thyroid function screening in new psychiatric admissions. Morley JE, et al. **Arch Intern Med** 1982 Mar;142(3):591-3
Increasing incidence of Pseudomonas endocarditis among parenteral drug abusers. Rajashekaraiah KR, et al. **Drug Alcohol Depend** 1980 Oct;6(4):227-30
Ritalin: consequences of abuse in a clinical population. Haglund RM, et al. **Int J Addict** 1982 Feb;17(2):349-56
Multiple drug abuse involving nonopiate, nonalcoholic substances. II. Physical damage, long-term psychological effects and treatment approaches and success. Kornblith AB. **Int J Addict** 1981 Apr;16(3):527-40 (54 ref.)
Chronic liver disease in intravenous drug abusers attending the drug advisory and treatment centre. Arthurs Y, et al. **Ir Med J** 1981 Dec;74(12):366-8
Detecting depressive disorders in drug abusers: a comparison of screening instruments. Rounsaville BJ, et al. **J Affective Disord** 1979 Dec;1(4):255-67
Embolic retinopathy from carotid artery self-injection. A case of true 'mainline' talc retinopathy. Keane JR. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):119-21
Acute dystonia secondary to illicit phenothiazine usage: a report of two cases. Stallworth HF. **J Ky Med Assoc** 1981 Feb;79(2):83-4
Amphetamine abuse and transsexualism. Lothstein LM. **J Nerv Ment Dis** 1982 Sep;170(9):568-71
Renal papillary necrosis and retroperitoneal fibrosis secondary to analgesic abuse. Finan BF, et al. **J Urol** 1981 Oct;126(4):533-4
Pseudo-Bartter's syndrome due to furosemide abuse: report of a case and an analytical review of Japanese literature. Tajiri J, et al. **Jpn J Med** 1981 Jul;20(3):216-21
Risk factors for Kaposi's sarcoma in homosexual men. Marmor M, et al. **Lancet** 1982 May 15;1(8281):1083-7
Wound botulism associated with parenteral cocaine abuse--New York City. **MMWR** 1982 Feb 26;31(7):87-8
An outbreak of community-acquired Pneumocystis carinii pneumonia: initial manifestation of cellular immune dysfunction. Masur H, et al. **N Engl J Med** 1981 Dec 10; 305(24):1431-8
Adolescence and drug abuse: biomedical consequences. Cohen S. **Natl Inst Drug Abuse Res Monogr Ser** 1980; 38:104-12
Intracranial hemorrhage associated with amphetamine use [letter] Shukla D. **Neurology (NY)** 1982 Aug;32(8):917-8
Anorexia nervosa, liquorice and hypokalaemic myopathy. Nightingale S, et al. **Postgrad Med J** 1981 Sep; 57(671):577-9
Lithium therapy for cocaine-induced psychosis: a clinical perspective. Scott ME, et al. **South Med J** 1981 Dec; 74(12):1475-7
Unusual pulmonary vascular lesions after intravenous injections of microcrystalline cellulose. A complication of pentazocine tablet abuse. Zeltner TB, et al. **Virchows Arch [Pathol Anat]** 1982;395(2):207-16
Myocardial ischemia and infarction related to recreational cocaine use. Coleman DL, et al. **West J Med** 1982 May; 136(5):444-6
[Drug-induced pellagra] Stadler R, et al. **Hautarzt** 1982 May; 33(5):276-80 (Eng. Abstr.) **(Ger)**
[Capillary sclerosis of the urinary tract caused by abuse of an analgesic agent (phenacetin)] Gloor F. **Pathologe** 1982 May;3(3):132-6 **(Ger)**
[Septicemia due to staphylococcus aureus, mitral-valve insufficiency, analgesic abuse (author's transl)] Dubach UC, et al. **Praxis** 1982 Apr 20;71(16):685-90 (Eng. Abstr.) **(Ger)**
[Brain abscess in an addict to amphetamine. Case report (author's transl)] Shibahashi H, et al. **Neurol Med Chir (Tokyo)** 1982 Apr;22(4):319-22 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Laxative abuse. Cooke WT. **Acta Gastroenterol Belg** 1981 Sep-Oct;44(9-10):448-58
Clinical application and evaluation of the Emit-stTM drug detection system. Sutheimer C, et al. **Am J Clin Pathol** 1982 Jun;77(6):731-5
A practical method for identifying angel dust abuse during pregnancy. Golden NL, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):359-61
Lithium toxicity with rarely reported ECG manifestations. Mateer JR, et al. **Ann Emerg Med** 1982 Apr;11(4):208-11
Factitious heparin administration. Schmaier AH, et al. **Ann Intern Med** 1981 Nov;95(5):592-3
Relative risk of adolescent drug abuse: Part I. Socio-demographic and interpersonal variables. Mohan D, et al. **Bull Narc** 1981;33(1):1-8
Did you treat a drug addict today? Rosenbaum CH. **Int Dent J** 1981 Dec;31(4):307-12
Typification and processing in a screening unit for drug abusers. Dembo R, et al. **Int J Addict** 1982 Jan;17(1):1-18
A major limitation of the percentile index of overall drug use indulgence. Douglass FM 4th, et al. **Int J Addict** 1982 Feb;17(2):283-94
The importance of drug use histories in a series of alcoholics [letter] Penick EC, et al. **J Clin Psychiatry** 1982 Jan;43(1):42
Training in drug abuse in a family medicine residency. Confusione M, et al. **J Fam Pract** 1982 Jul;15(1):189-90
A non-invasive method of qualitative and quantitative measurement of drugs. Westerman ST, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1536-47
Beware the labeling. Twerski AJ. **Penn Med** 1982 May; 85(5):20

DRUG THERAPY

Treatment of heroin overdose with endotracheal naloxone. Tandberg D, et al. **Ann Emerg Med** 1982 Aug;11(8):443-5

EDUCATION

Drug abuse training as part of a family medicine clerkship. Confusione M, et al. **J Med Educ** 1982 May;57(5):409-11

ETIOLOGY

Unintentional haloperidol abuse [letter] Jack RA. **Am J Psychiatry** 1982 Feb;139(2):258
Paranoid psychosis after abuse of Actifed. Leighton KM. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):789-90
Potential for abuse of antiparkinson agents. Smith JM. **Hosp Community Psychiatry** 1982 Jan;33(1):63
Physician drug use: availability or occupational stress? Stout-Wiegand N, et al. **Int J Addict** 1981 Feb;16(2):317-30
Self-administration of the endogenous trace amines beta-phenylethylamine, N-methyl phenylethylamine and phenylethanolamine in dogs. Shannon HE, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):52-60
The politics of dependency problems: labor market failure, youth and 'dependency problems' in the United Kingdom. Dorn N. **J Psychoactive Drugs** 1981 Jan-Mar;13(1):61-9
Cuban women, sex role conflicts and the use of prescription drugs. González DH, et al. **J Psychoactive Drugs** 1981 Jan-Mar;13(1):47-51
Young men and drugs in Manhattan: a causal analysis. Clayton RR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Sep;(39):1-187
Benzodiazepine dependency and abuse [letter] Crawford RJ. **NZ Med J** 1981 Sep 9;94(691):195
Methods for assessing the abuse potential of psychotropic drugs in humans. **Psychopharmacol Bull** 1981 Jul; 17(3):137-40

FAMILIAL & GENETIC

Subtypes of drug abuse with psychosis. Demographic characteristics, clinical features, and family history. Tsuang MT, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):141-7
Twin similarity for usage of common drugs. Pedersen N. **Prog Clin Biol Res** 1981;69 Pt C:53-9
Twin studies on substance abuse: an overview. Schuckit MA. **Prog Clin Biol Res** 1981;69 Pt C:61-70

HISTORY

Absinthium: a nineteenth-century drug of abuse. Vogt DD. **J Ethnopharmacol** 1981 Nov;4(3):337-42
Evidence for snuffing in the prehispanic stone sculpture of San Agustin, Colombia. Torres CM. **J Psychoactive Drugs** 1981 Jan-Mar;13(1):53-60

MORTALITY

Mortality related to psychotropic substances: current knowledge and research problems. Poikolainen K. **Br J Addict** 1981 Dec;76(4):363-74
Ethnicity and other demographic characteristics as predictors of sudden drug-related deaths. Trott L, et al. **J Stud Alcohol** 1981 Jul;42(7):564-78
Fatal ingestions in Edinburgh 1974-78. Campbell S, et al. **Med Sci Law** 1981 Jul;21(3):159-69

OCCURRENCE

The use of diazepam and of cocaine in combination with other drugs by Los Angeles County probationers. Budd RD. **Am J Drug Alcohol Abuse** 1981;8(2):249-55
Drug abuse patterns of patients on methadone treatment in New York City. Kaul B, et al. **Am J Drug Alcohol Abuse** 1981;8(1):17-25
Patterns of drug use among New England college students. Wechsler H, et al. **Am J Drug Alcohol Abuse** 1981; 8(1):27-37
Drug abuse in the Third World. Griffin RJ Jr. **Am Pharm** 1982 Jul;22(7):59-62
Drug use among young people in Lagos, Nigeria. Anumonye A. **Bull Narc** 1980;32(4):39-45
Changes in the frequency of use and abuse of drugs by Los Angeles County methadone maintenance patients: an observation based on urine drug testings in 1975 and 1979. Budd RD. **Bull Narc** 1981;33(1):27-30
Drug consumption among the student population of Mexico City and its metropolitan area: subgroups affected and distribution of users. Castro ME, et al. **Bull Narc** 1980; 32(4):29-37
The question of onymity and anonymity of a questionnaire in a drug use survey. Dube KC, et al. **Bull Narc** 1981; 33(2):45-8
Validity and reliability of a high school drug use questionnaire among Mexican students. Medina-Mora ME, et al. **Bull Narc** 1981;33(4):67-76
Patterns of self-reported drug use among secondary school students in Bendel State, Nigeria. Nevadomsky J. **Bull Narc** 1981;33(1):9-19
Intercollegiate sports participation and non-medical drug use. Toohey JV, et al. **Bull Narc** 1981;33(3):23-7
Cocaine use among adults and students. Smart RG, et al. **Can J Public Health** 1981 Nov-Dec;72(6):433-8
A preliminary investigation into parasuicide in Salisbury, Zimbabwe--1979/1980. Williams H, et al. **Cent Afr J Med** 1981 Jul;27(7):129-35
Drug abuse in a farm community; a brief appraisal of a research work. Darshan S, et al. **Drug Alcohol Depend** 1981 Jul;7(4):347-66
Some aspects of drug use among students in Benin City, Nigeria. Ebie JC, et al. **Drug Alcohol Depend** 1981 Dec; 8(4):265-70
The drug-use patterns of helping-profession students in Brisbane, Australia. Engs RC. **Drug Alcohol Depend** 1980 Oct;6(4):231-46
Drinking and drug use among Ontario Indian students. Liban CB, et al. **Drug Alcohol Depend** 1982 Apr;9(2):161-71
The extent of nonmedical use of psychoactive substances among secondary school students in Greater Cairo. Soueif MI, et al. **Drug Alcohol Depend** 1982 Feb;9(1):15-41
Diazepam use among methadone maintenance patients: patterns and dosages. Stitzer ML, et al. **Drug Alcohol Depend** 1981 Nov;8(3):189-99
Primary drug abuse among women: a national study. Tyler J, et al. **Drug Alcohol Depend** 1981 Dec;8(4):279-86
Use of stimulant/depressant drugs by drug abuse clients in selected metropolitan areas. Brown BS, et al. **Int J Addict** 1981 Dec;16(8):1473-90
And coffee too. Cameron P, et al. **Int J Addict** 1982 Apr; 17(3):569-74
Multiple drug abuse involving nonopiate, nonalcoholic substances. I. Prevalence. Kornblith AB. **Int J Addict** 1981 Feb;16(2):197-232 (49 ref.)
Drug abuse and the private practice of medicine. Lief TP, et al. **Int J Addict** 1981 May;16(4):731-9
Acute and chronic drug abuse emergencies in Metropolitan Toronto. Sellers EM, et al. **Int J Addict** 1981 Feb; 16(2):283-303
The current drug scene. Russo RJ. **J Med Soc NJ** 1981 Dec; 78(13):889-92
Predictions of elderly drug abuse. Glantz M. **J Psychoactive Drugs** 1981 Apr-Jun;13(2):117-26
The social contexts of aging and drug use: theoretical and methodological insights. Mandolini A. **J Psychoactive Drugs** 1981 Apr-Jun;13(2):135-42
Drug and crime interrelationships among women in detention. Miller BA. **J Psychoactive Drugs** 1981 Jul-Sep; 13(3):289-95
Aging on the street: drug use and crime among older men. Pottieger AE, et al. **J Psychoactive Drugs** 1981 Apr-Jun; 13(2):199-211
Psychoactive drug use and potential misuse among persons aged 55 years and older. Stephens RC, et al. **J Psychoactive Drugs** 1981 Apr-Jun;13(2):185-93
Drugs and criminal assaults by adolescents: a replication study. Tinklenberg JR, et al. **J Psychoactive Drugs** 1981 Jul-Sep;13(3):277-87
Drugs, crime and occupational prestige. Voss HL. **J Psychoactive Drugs** 1981 Jul-Sep;13(3):267-75
Social adaptation to first grade and teenage drug, alcohol and cigarette use. Kellam SG, et al. **J Sch Health** 1982 May;52(5):301-6
Patterns of alcohol and drug use of adolescent students and adolescents in treatment. Pandina RJ, et al. **J Stud Alcohol** 1981 May;42(5):441-56
Drug-related problems in London accident and emergency departments. A twelve month survey. **Lancet** 1981 Oct 17; 2(8251):859-62
Hallucinogenic fungi [letter] Peden NR, et al. **Lancet** 1982 Feb 13;1(8268):396-7
Epidemiology of drug use among adolescents. Miller JD. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:25-38 (31 ref.)
South Providence health needs assessment: data delineate problems justifying a major community effort. Thacker F, et al. **RI Med J** 1982 May;65(5):199-202
A study of drug abuse in a group of South African university students. Simon AM. **S Afr Med J** 1982 May 1;61(18):666-8
Drug use in separated/divorced persons. Gender, parental status, and socio-economic status. Ambert AM. **Soc Sci Med** 1982;16(9):971-6
Age- and sex-related differences in patterns of drug overdose and abuse. Busto U, et al. **Soc Sci Med [E]** 1981 Nov; 15(4):275-82
Morbidity of street speed - an update. Saxena K, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):10-2
Core data for epidemiological studies of nonmedical drug use. Hughes PH, et al. **WHO Offset Publ** 1980;(56):1-100
Drug use among non-student youth. Smart RG, et al. **WHO Offset Publ** 1981;(60):1-58
[The nature of drug consumption from 1977-1978 in the canton of Vaud] Delachaux A, et al. **Soz Praventivmed** 1981 Dec;26(6):420-4 (Eng. Abstr.) **(Fre)**
[Physicians' opinions in the Canton of Vaud regarding the abuse of pharmaceutical drugs among youth (author's transl)] Martin J, et al. **Praxis** 1982 Jan 5;71(1):23-35 (Eng. Abstr.) **(Ger)**
[Statistical studies of the consumption of psychotropic drugs in an urban community] Rodriguez G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):165-9 **(Ita)**
[Non-medical use of halothane (author's transi)] Yamashta M, et al. **Masui** 1981 Jul;30(7):746-9 (Eng. Abstr.) **(Jpn)**
[Acute, voluntary, drug poisoning. Epidemiological study in Mallorca] Mairata Bosch S, et al. **Rev Clin Esp** 1981 Dec 15;163(5):307-10 (Eng. Abstr.) **(Spa)**

[Prevalence and characteristics of the use of some toxics among secondary school students in Santiago, Chile [author's transl] Florenzano Urzúa R, et al. **Rev Med Chil** 1981 Nov;109(11):1051–9 (Eng. Abstr.) **(Spa)**

[Consumption of psychoactive drugs in the university population of Granada] Fernández-Crehuet Navajas J, et al. **Rev Sanid Hig Publica (Madr)** 1979 Mar-Apr; 53(3–4):503–22 (Eng. Abstr.) **(Spa)**

[Alcohol intoxication and drug abuse among 9–12 year old children in Malmö 1972–79] Helin I, et al. **Lakartidningen** 1981 May 13;78(20):2060–2 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Unwitting heparin abuse in a drug addict [letter] Maqbool Z, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):790–1

Amphetamine induced cerebral vasculitis. Bostwick DG. **Hum Pathol** 1981 Nov;12(11):1031–3

Evaluation of toluene and acetone inhalant abuse. II. Model development and toxicology. Bruckner JV, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):302–12

PHYSIOLOGY

Personality and sociodemographic factors in adolescent drug use. Gersick KE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:39–56 (119 ref.)

PHYSIOPATHOLOGY

New perspectives on the similarities and differences of alcoholism and drug abuse. Keeley KA, et al. **Curr Alcohol** 1981;8:99–118 (65 ref.)

Follow-up of Vietnam veterans II. Social adjustment. Nace EP, et al. **Drug Alcohol Depend** 1980 Oct;6(4):209–14

Heroin 'overdose' death: contribution of drug-associated environmental cues. Siegel S, et al. **Science** 1982 Apr 23; 216(4544):436–7

PREVENTION & CONTROL

Kava and prohibition in Tanna, Vanuatu. Gregory RJ, et al. **Br J Addict** 1981 Sep;76(3):299–313

UNESCO experience in relation to the problems of drug use by young people. **Bull Narc** 1981;33(4):47–56

Information, teaching and education in the primary prevention of drug abuse among youth in Denmark. Schiøler P. **Bull Narc** 1981;33(4):57–65

United Nations/Burma Programme for Drug Abuse Control. The first phase: 1976 to 1981. Zealey P. **Bull Narc** 1981; 33(3):1–21

Alternatives to drug use: an alternative approach to drug education. Blizard RA, et al. **Int J Addict** 1981 Feb; 16(2):371–5

Critical issues and experiences in drug treatment and prevention evaluation. Dembo R. **Int J Addict** 1981 Dec; 16(8):1399–1414

Drug use intervention concepts: availability [editorial] Einstein S. **Int J Addict** 1981 Apr;16(3):iii–iv

How do we know whether a primary prevention program on drug abuse works or does not work? Kim S. **Int J Addict** 1981 Feb;16(2):359–65

Feeder area approach: an impact evaluation of a prevention project on student drug abuse. Kim S. **Int J Addict** 1982 Feb;17(2):305–13

Management of the anxious patient prone to drug abuse. Hollister LE. **J Clin Psychiatry** 1981 Nov;42(11 Pt 2):35–9

Local law enforcement policies directed toward illicit drug selling and usage. Grizzle GA. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):227–34

AMA 1981 annual meeting report. Drug abuse related to prescribing practices. **J Tenn Med Assoc** 1981 Nov–Dec; 75(3):199–200

Drug abuse related to prescribing practices. **JAMA** 1982 Feb 12;247(6):864–6

Macomb County physicians initiate ingenious drug abuse prevention plan. **Mich Med** 1982 Mar;81(13):154–5

Legal and ethical implications of treatment of minors. Wilkinson DA. **Soc Sci Med [F]** 1981 Mar;15F(1):75–9

Use of barbiturate suppositories [letter] Siegel RJ, et al. **West J Med** 1981 Aug;135(2):160

Drug-abuse reporting systems. Rootman I, et al. **WHO Offset Publ** 1980;(55):1–98

[Ways of fighting drug abuse among the young. Proposals of physicians from Vaud and discussion] Martin J, et al. **Rev Med Suisse Romande** 1982 Jan;102(1):67–77 **(Fre)**

[Primary prevention of drug abuse. Additional results of actions taken by the Health Agency of Hamburg] Braunschweig B, et al. **Off Gesundheitswes** 1981 Oct; 43(10):471–4 **(Ger)**

PSYCHOLOGY

Contingency management approaches to drug self-administration and drug abuse: efficacy and limitations. Bigelow GE, et al. **Addict Behav** 1981;6(3):241–52

Expectations and substance abuse: does basic research benefit clinical assessment and therapy? Wilson GT. **Addict Behav** 1981;6(3):221–31

Parental permission to date and its relationship to drug use and suicidal thoughts among adolescents. Wright LS. **Adolescence** 1982 Summer;17(66):409–18

The clinical syndrome of adolescent drug abuse. MacDonald DI, et al. **Adv Pediatr** 1981;28:1–25 (42 ref.)

Comparison of opiate addicts' reports of psychiatric history with reports of significant-other informants. Rounsaville BJ, et al. **Am J Drug Alcohol Abuse** 1981;8(1):51–69

Sadistic abuse of haloperidol [letter] Weddington WW Jr, et al. **Am J Psychiatry** 1982 Jan;139(1):132–3

Juvenile drug abuse and delinquency: some differential associations. Kraus J. **Br J Psychiatry** 1981 Nov;139:422–30

Transplantation, identity and drug addiction. Amaral Dias CA, et al. **Bull Narc** 1981;33(1):21–6

Relative risk of adolescent drug abuse: Part II. Intrapsychic variables. Rustagi PK, et al. **Bull Narc** 1981;33(2):33–40

Some sociocultural aspects of the problem of drug abuse in Nigeria. Ebie JC, et al. **Drug Alcohol Depend** 1981 Dec; 8(4):301–6

Reasons adduced by high school students for not using drugs. Owie I. **Drug Alcohol Depend** 1982 Apr;9(2):173–6

Families and adolescent drug abuse: structural analysis of children's roles. Cleveland M. **Fam Process** 1981 Sep; 20(3):295–304

The incidence and nature of drug abuse in adolescence personality correlates and predictive models. Puliyel JM, et al. **Indian Pediatr** 1981 Jul;18(7):443–8

Attribution theory: a fit with substance abuse problems. Baumann DJ, et al. **Int J Addict** 1982 Feb;17(2):295–303

Motivational determinants of illicit drug use: an assessment of underlying dimensions and their relationship to behavior. Butler MC, et al. **Int J Addict** 1981 Feb;16(2):243–52

Treatment program clients and emergency room patients: a comparison of two drug-using samples. Chitwood DD, et al. **Int J Addict** 1981 Jul;16(5):911–25

Interpersonal influences on male drug use and drug use intentions. Clayton RR, et al. **Int J Addict** 1982 May; 17(4):655–66

Intentions to use drugs among adolescents: a longitudinal analysis. Huba GJ, et al. **Int J Addict** 1981 Feb;16(2):331–9

Age of initial drug experimentation among white and non-white ethnics. Jackson N, et al. **Int J Addict** 1981 Dec; 16(8):1373–86

Synthetic-dynamic theory of drug abuse patterns. Kim S. **Int J Addict** 1981 Oct;16(7):1301–4

Women Clients in special women's demonstration drug abuse treatment programs compared with women entering selected co-sex programs. Reed BG, et al. **Int J Addict** 1981 Dec;16(8):1425–66

Behavioral assessment technique as a clinical intervention. Rogers HE, et al. **Int J Addict** 1981 Jul;16(5):953–7

The stability of personality measures in drug abusers during withdrawal. Ward ES, et al. **Int J Addict** 1982 Apr; 17(3):575–83

Irish drug abusers II: their psychological characteristics. Carr AJ, et al. **Ir Med J** 1981 Jan;74(1):8–11

Adolescent drug use and other behaviors. Hundleby JD, et al. **J Child Psychol Psychiatry** 1982 Jan;23(1):61–8

Contributions of individual syndromes to global psychopathology ratings for mental health and substance abuse patients. Steer RA, et al. **J Clin Psychol** 1982 Apr; 38(2):448–51

'The pen is mightier than the sword': some dangers of script writing. A report of the Commission on Physician Impairment. Johnston GP. **J Indiana State Med Assoc** 1981 Jul;74(7):428–9

Will Alabama's children survive in the 80s? Boyd BW. **J Med Assoc State Ala** 1981 Jul;51(1):29–32

The commonalities quest: toward a theory of 'problem behavior'. Agar MH, et al. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):333–43

Holism: a social pharmacological approach to drug-seeking behavior. Blum K, et al. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):369–71

Use of tranquilizers and sleeping pills among older Texans. Eve SB, et al. **J Psychoactive Drugs** 1981 Apr–Jun; 13(2):165–73

Learned helplessness and substance abuse in the elderly. Hochhauser M. **J Psychoactive Drugs** 1981 Apr–Jun; 13(2):127–33

Cross-cultural perspectives on developmental stages in adolescent drug use. Adler I, et al. **J Stud Alcohol** 1981 Sep;42(9):701–15

The delinquency and drug use relationship among adolescents: a critical review. Clayton RR. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:82–103 (66 ref.)

From family to peer: transitions of influence among drug-using youth. Glynn TJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:57–81 (94 ref.)

Drug use by youth: an overview. Kandel DB. **Natl Inst Drug Abuse Res Monogr Ser** 1980;38:1–24 (112 ref.)

Personality factors in human drug self-administration. Pickens RW, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):45–62

Drug abuse and the American adolescent. Executive summary, discussion, and new directions for research. Russell R. **Natl Inst Drug Abuse Res Monogr Ser** 1980; 38:113–26

An analysis of drug-seeking behavior in animals. Schuster CR, et al. **Neurosci Biobehav Rev** 1981 Fall;5(3):315–23 (59 ref.)

Misuse and abuse of prescription and nonprescription drugs by the elderly. Ellor JR, et al. **Nurs Clin North Am** 1982 Jun;17(2):319–30

Substance abuse, public health and the pediatrician. Monopolis S, et al. **Paediatrician** 1982;11(3–4):178–96

Liking of the first drug experience: a comparison of ten drugs in opiate addicts. Haertzen CA, et al. **Psychol Rep** 1981 Apr;48(2):647–68

Relationship of drug of choice, race, and crime to entry in drug abuse treatment. Little GL. **Psychol Rep** 1981 Apr; 48(2):486

Female substance abusers: need for research. Mejta C, et al. **Psychol Rep** 1981 Apr;48(2):625–6

Chronic illicit drug abusers: gender comparisons. Sutker PB, et al. **Psychol Rep** 1981 Oct;49(2):383–90

[Icarus and the labyrinth, or considerations apropos of drug abuse] Jusseaume P. **Ann Med Psychol (Paris)** 1981 May; 139(5):557–60 **(Fre)**

[Childhood and drug abuse] Charles-Nicolas A, et al. **Psychiatr Enfant** 1982;25(1):207–53 **(Fre)**

[Trampers in India – Description of a population (author's transl)] Scharfetter C, et al. **Psychiatr Prax** 1981 Aug; 8(3):113–6 (Eng. Abstr.) **(Ger)**

[A case of excessive drug collection] Gehrhardt B. **Z Arztl Fortbild (Jena)** 1981 Dec 15;75(24):1178–9 **(Ger)**

REHABILITATION

Drug use and crime during a four-year posttreatment follow-up. Savage LJ, et al. **Am J Drug Alcohol Abuse** 1981;8(1):1–16

Psychosocial factors related to substance abuse among delinquent females: implications for prevention and treatment. Gibbs JT. **Am J Orthopsychiatry** 1982 Apr; 52(2):261–71

Methadone disposition in patients with chronic liver disease. Novick DM, et al. **Clin Pharmacol Ther** 1981 Sep; 30(3):353–62

Post-treatment depressive symptoms and relapse to drug use in different age groups of an alcohol and other drug abuse population. Hatsukami D, et al. **Drug Alcohol Depend** 1981 Dec;8(4):271–7

Drug histories and criminality of inmates of local jails in the United States (1978): implications for treatment and rehabilitation of the drug abuser in a jail setting. Barton WI. **Int J Addict** 1982 Apr;17(3):417–44

Rehabilitation of drug users as related to family of origin. Ben-Yehuda N, et al. **Int J Addict** 1981 May;16(4):741–7

Substance abuse programs and Proposition 13: opportunities for change. Brenna TR. **Int J Addict** 1981 May;16(4):759–69

Servicing the drug user and the drug user treatment support system. Einstein S. **Int J Addict** 1981 Feb;16(2):185–96

Evaluating service needs in drug-abusing clients. Senay EC, et al. **Int J Addict** 1981 May;16(4):709–22

We agree: a rejoinder from Penk and Robinowitz to Sutker and Allain. Penk WE, et al. **J Abnorm Psychol** 1981 Apr; 90(2):177–8

Comments on voluntarism: reply to Penk and Robinowitz. Sutker PB, et al. **J Abnorm Psychol** 1981 Apr;90(2):175–6

APTP from several perspectives. **J Iowa Med Soc** 1981 Oct; 71(10):426–7

My brother's keeper. **J Iowa Med Soc** 1981 Oct;71(10):414–6

Substance abuse: how physicians recover. Trudeau DL. **J Kans Med Soc** 1981 Nov;82(11):495–6, 529–30

Is treatment for substance abuse effective? McLellan AT, et al. **JAMA** 1982 Mar 12;247(10):1423–8

Effects of short-term intensive hospital psychotherapy on youthful drug abusers: I. Preliminary MMPI data. Williams SG, et al. **Psychol Rep** 1982 Feb;50(1):79–82

[Drug abuse as a disease in the sense of health insurance] Dahse G. **Beitr Gerichtl Med** 1981;39:303–6 (Eng. Abstr.) **(Ger)**

[Q-fever in a rehabilitation center for drug addicts] Gerth HJ, et al. **Off Gesundheitswes** 1982 Jun;44(6):361–4 **(Ger)**

THERAPY

Contributions of basic research to the treatment of substance abuse. Conference of the Clinical Institute of the Addiction Research Foundation. October 1–3, 1980, Toronto, Ontario. **Addict Behav** 1981;6(3):185–269

The interaction of drug abuse and depression in an adolescent girl. Caper RA. **Adolesc Psychiatry** 1981;9:467–76

Medical and treatment definitions of drug use: the case of the adolescent user. Chitwood DD, et al. **Adolescence** 1981 Winter;16(64):817–30

A study of therapy of homosexual adolescent drug users in a residential treatment setting. Wellisch DK, et al. **Adolescence** 1981 Fall;16(63):689–700

Inpatient vs outpatient treatment of alcohol and drug abusers. Cole SG, et al. **Am J Drug Alcohol Abuse** 1981;8(3):329–45 (51 ref.)

Therapy for pulmonary edema following IV 'freebase' cocaine use [letter] **Ann Emerg Med** 1982 Apr;11(4):228–30

Comparison of clients assigned to in-patient and out-patient treatment for alcoholism and drug addiction. Skinner HA. **Br J Psychiatry** 1981 Apr;138:312–20

Contacts with a Canadian 'street-level' Drug and Crisis Centre, 1975–1978. Clark SC, et al. **Bull Narc** 1981; 33(4):23–31

Clinical—correctional interface in drug abuse treatment—the Milwaukee model. Aprill FA, et al. **Drug Alcohol Depend** 1980 Oct;6(4):191–9

Comprehensive treatment system includes five levels of patient care [interview] Keller JE. **Hospitals** 1982 Apr 16; 56(8):51–3

Understanding drug user treatment evaluation: some unresolved issues. Einstein S. **Int J Addict** 1981 Apr; 16(3):381–400

The MMPI as a predictor of retention in a therapeutic community for heroin addicts. Foureman WC, et al. **Int J Addict** 1981 Jul;16(5):893–903

Systematic development and evaluation of a social skills training program for chemical abusers. Lin T, et al. **Int J Addict** 1982 May;17(4):585–96

Process research data on a potent, feeling-evoking residential treatment program for the simultaneous counseling of alcohol abusers and drug users. Mac Donough TS. **Int J Addict** 1981 Aug;16(6):973–1001

Marathon groups: facilitating the personal growth of male illicit drug users. Page RC, et al. **Int J Addict** 1982 Feb; 17(2):393–7

What is the role of violence in the therapeutic community? Stine LJ, et al. **Int J Addict** 1982 Feb;17(2):377–92 (55 ref.)

Changing the federal regulations on confidentiality of alcohol and drug abuse patient records: views of clinical staff. Blume SB. **J Stud Alcohol** 1981 Mar;42(3):344–9

Alcohol and drugs [letter] Walker N. **NZ Med J** 1981 Dec 9;94(697):432–3

URINE

A rapid method for screening urine samples in suspected abuse of cocaine. Hsu LS, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):368–72

Semi-quantitative thin-layer mass-screening detection of 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid in human urine. Kaistha KK, et al. **J Chromatogr** 1982 Mar 26;237(3):528–33

SUBSTANCE DEPENDENCE

'Dear Dr. Paul'—alcoholic student's plight. [letter] **Am Pharm** 1982 Jul;22(7):5–6

Dependence on Midol [letter] Babington MA, et al. **Arch Intern Med** 1982 Aug;142(8):1583

Salivary secretion and dental caries experience in drug addicts. Di Cugno F, et al. **Arch Oral Biol** 1981;26(5):363–7

Legal aspects of alcoholism and other addictions: some basic conceptual issues. Fingarette H. **Br J Addict** 1981; 76(2):125–32

Model of opiate dependence in the guinea-pig isolated ileum. Collier HO, et al. **Br J Pharmacol** 1981 Aug;73(4):921–32

Pharmacological characterization of opiate physical dependence in the isolated ileum of the guinea-pig. Luján M, et al. **Br J Pharmacol** 1981 Aug;73(4):859–66

Double prescribing to opioid addicts [letter] Connell PH. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1954

Dependence potential of oripavine. **Bull Narc** 1981; 33(3):29–35 (7 ref.)

Pulmonary problems encountered by the infant of the drug-dependent mother. Finnegan LP. **Clin Chest Med** 1980 Sep;1(3):311–25 (54 ref.)

Modification of the drug talking behavior in rats by interference in the metabolism of 5-hydroxytryptamine and catecholamines. Fuchs V, et al. **Drug Alcohol Depend** 1981 Nov;8(3):235–44

Drug histories and criminality of inmates of local jails in the United States (1978): implications for treatment and rehabilitation of the drug abuser in a jail setting. Barton WI. **Int J Addict** 1982 Apr;17(3):417–44

Drugs (prescription, over-the-counter, social) and the young adult: use and attitudes. Vener AM, et al. **Int J Addict** 1982 Apr;17(3):399–415

Type 2 atrophy in a pentazocine addicted patient. Mariani C, et al. **Ital J Neurol Sci** 1980 Mar;1(2):115–8

Tolerance to and dependence on barbiturates in mice reference to the data in rats. Tagashira E, et al. **Jpn J Pharmacol** 1981 Jun;31(3):375–82

Addiction and Maryland's medical families. Griswold D. **Md State Med J** 1982 Jun;31(6):30–1

Complex schedules and maintenance of drug dependence. Barrett JE. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):279–81

Second-order schedules: extended sequences of behavior controlled by brief environmental stimuli associated with drug self-administration. Goldberg SR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):241–70 (41 ref.)

Predicting the dependence liability of stimulant drugs. Griffiths RR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):182–96

Establishment of orally delivered drugs as reinforcers for rhesus monkeys: some relations to human drug dependence. Meisch RA, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):197–209

Complex schedules and maintenance of drug dependence. Mello NK. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):282–6

Behavioral mechanisms and loci of drug dependence: an overview. Thompson T. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):1–10 (4 ref.)

Contributions of reinforcement schedule histories to our understanding of drug effects in human subjects. Weiner H. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul; (37):90–104

History of drug exposure as a determinant of drug self-administration. Young AM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):75–88 (47 ref.)

The pharmacology of nicotine dependence: a working hypothesis. Balfour DJ. **Pharmacol Ther** 1981;15(2):239–50 (57 ref.)

Propoxyphene dependence: an update. Collins GB, et al. **Postgrad Med** 1981 Dec;70(6):57–61

Prescribing and the addict [editorial] **S Afr Med J** 1982 May 22;61(21):769–70

Effect of sodium barbital dependence on chronic spinal rats monitored by spontaneous hind leg movements. Ling GS, et al. **Subst Alcohol Actions Misuse** 1981;2(2):93–105

[Long-term methadone therapy (letter)] Asvarisch M. **Ugeskr Laeger** 1981 May 11;143(20):1299–301 **(Dan)**

[Abuse of appetite depressants] Bremmelgaard A, et al. **Ugeskr Laeger** 1981 May 25;143(22):1405–6 (Eng. Abstr.) **(Dan)**

[Nicotine—pharmacokinetics and pharmacodynamics of an additive substance] Lambrecht G. **Med Monatsschr Pharm** 1982 Mar;5(3):87–90 **(Ger)**

[Drug dependence. Relationship between the development of dependence and frequency of administration] Schönhöfer PS, et al. **ZFA (Stuttgart)** 1982 Apr 30; 58(12):651–7 **(Ger)**

[Analgesics dependence and abuse] Wörz R. **ZFA (Stuttgart)** 1981 Sep 20;57(26):1720–4 **(Ger)**

[Abuse and dependancy on anticholinergic drugs] Kaminer Y, et al. **Harefuah** 1981 Jun 1;100(11):548–9 **(Heb)**

[Epidemiological study of a group of drug addicts exempted from military draft and service] Bianchin GL, et al. **Minerva Psichiatr** 1982 Jan-Mar;23(1):33–8 (Eng. Abstr.) **(Ita)**

[Drug addiction in the military milieu: causal and preventive factors, with special reference to education, training and qualification of military cadres] D'Antino E. **Riv Med Aeronaut Spaz** 1981 Jan-Jun;45(1-2):117–38 **(Ita)**

[Newborns of drug addicted women. A follow-up studies] Hjermann VK. **Tidsskr Nor Laegeforen** 1981 Oct 30; 101(30):1701–4 (Eng. Abstr.) **(Nor)**

[Pregnancy and delivery in drug-dependent women. Experiences from obstetrical clinic at the Ullevål hospital, 1975–1980] Sande HA, et al. **Tidsskr Nor Laegeforen** 1981 Oct 30;101(30):1698–700 (Eng. Abstr.) **(Nor)**

BLOOD

Glutethimide abuse [letter] Sramek JJ, et al. **Am J Psychiatry** 1982 Feb;139(2):257

Increased glycosylated haemoglobin A1 in opiate addicts: evidence for a hyperglycaemic effect of morphine [letter] Ceriello A, et al. **Diabetologia** 1982 May;22(5):379

CLASSIFICATION

Nomenclature and classification of drug- and alcohol-related problems: a shortened version of a WHO memorandum. **Br J Addict** 1982 Mar;77(1):3–20

COMPLICATIONS

Lung diseases caused by 'drug'-abuse. Pulmonary complications of drug-abuse. Fabriek AJ. **Acta Tuberc Pneumol Belg** 1979 Jul-Dec;70(3–4):261–4

Hepatitis B virus serum markers (HBsAg, antiHBs, antiHBc): prevalence among drug addicts in north-east Italy. Floreani A, et al. **Boll Ist Sieroter Milan** 1981;60(6):535–7

Multiple substance use by alcoholics. Sokolow L, et al. **Br J Addict** 1981;76(2):147–58

Acute endocarditis in drug addicts: surgical treatment for gram-negative sepsis. Levitsky S, et al. **Circulation** 1982 Aug;66(2 Pt 2):1135–8

Recovery of Pseudomonas aeruginosa from syringes of drug addicts with endocarditis. Rajashekaraiah KR, et al. **J Infect Dis** 1981 Nov;144(5):482

An extrapyramidal choreiform syndrome caused by amphetamine addiction. Lundh H, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):728–30

Tricuspid valvulectomy without prosthetic replacement. Ten years of clinical experience. Arbulu A, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):684–91

Multicentre study of prevalence of HBV-associated delta infection and liver disease in drug-addicts. Raimondo G, et al. **Lancet** 1982 Jan 30;1(8266):249–51

Cardiac glycoside toxicity. An unusual manifestation of drug addiction. Kennedy M. **Med J Aust** 1981 Dec 12-26; 2(12–13):686, 688–9

Effect of cytotoxic drugs in frequently relapsing nephrotic syndrome with and without steroid dependence. **N Engl J Med** 1982 Feb 25;306(8):451–4

Aggressive Kaposi's sarcoma in a heterosexual drug addict [letter] Gold KD, et al. **N Engl J Med** 1982 Aug 19; 307(8):498

Central nervous system complications of addiction to 'T's and Blues'. Caplan LR, et al. **Neurology (NY)** 1982 Jun; 32(6):623–8

Polymicrobial endocarditis in a drug addict; therapeutic and epidemiologic implications. Gombert ME, et al. **NY State J Med** 1982 May;82(6):937–9

Polydrug- and methadone-addicted newborns: a continuum of impairment? Chasnoff IJ, et al. **Pediatrics** 1982 Aug; 70(2):210–3

[Children of drug addicts] Olofsson M. **Nord Med** 1982 Jan; 97(1):3–5 **(Dan)**

[Infectious sacroiliitis due to Candida albicans in a drug addict. Diagnosis by puncture biopsy with a trocar (letter)] Vinceneux P, et al. **Nouv Presse Med** 1981 Dec 19; 10(46):3795 **(Fre)**

[Problems of internal medicine in habitual drug users] Chesi G, et al. **G Clin Med** 1982 Mar;63(3):191–9 **(Ita)**

[Role of sex differences and changes in sexual functioning in drug addiction and its treatment (review of the literature)] Andronova LM, et al. **Farmakol Toksikol** 1981 May-Jun;44(3):362–76 **(Rus)**

[Prospective study of toxic addictions in Asturias (1980) (author's transl)] Hinojal Fonseca R, et al. **Med Clin (Barc)** 1982 May 16;78(10):437–41 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Hair as the sample in assessing morphine and cocaine addiction [letter] Valente D, et al. **Clin Chem** 1981 Nov; 27(11):1952–3

[Detection of drug dependence in animal experiments] Hoffmeister F. **Arzneimittelforsch** 1981;Suppl 27:53–8 **(Ger)**

[Recognizing and treating drug addicts. Part 2. Differential diagnosis, therapy] Bschor F. **Fortschr Med** 1981 Feb 26; 99(8):268–71 (Eng. Abstr.) **(Ger)**

[Diagnosis of drug dependence. References for the practice. Part 2: synopsis of the most important drugs and their effect] Faust V, et al. **Fortschr Med** 1981 Apr 9;99(14):493–7 **(Ger)**

[Symptoms of behavioral changes in adolescent drug addicts and secondary criminality] Prokop H. **Wien Med Wochenschr** 1981 Aug 31;131(15–16):369–74 **(Ger)**

DRUG THERAPY

Lithium administration in alcohol and drug dependence. Vinařová E. **Act Nerv Super (Praha)** 1981 Dec;23(4):272–3

How best to manage drug addicts? [letter] **Br Med J [Clin Res]** 1982 May 1;284(6325):1335–6

State-trait anxiety in methadone maintenance patients. Teichman M. **Int J Addict** 1981 Aug;16(6):1125–8

[Detoxication of a drug-dependent patient (author's transl)] Chancelade C. **Sem Hop Paris** 1982 Jun 3;58(22):1377–8 (Eng. Abstr.) **(Fre)**

[Psychotropic drugs in the management of alcoholism and drug addiction?] Athen D. **MMW** 1982 Feb 19;124(7):137–8 **(Ger)**

[Ambulatory therapy of drug addicts with drugs?] Klemm L. **MMW** 1982 Feb 19;124(7):141–2 **(Ger)**

[Report of a survey. Guarded optimism concerning methadone therapy of drug addicts] Andersson B. **Lakartidningen** 1981 Nov 25;78(48):4357–60 **(Swe)**

ETIOLOGY

Clinical relevance of cannabis tolerance and dependence. Jones RT, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8–9 Suppl):143S–152S

Dependence on benzodiazepines. Hollister LE. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(33):70–82

Benzodiazepine dependency and abuse [letter] Crawford RJ. **NZ Med J** 1981 Sep 9;94(691):195

Amnesic effects of diazepam: 'drug dependence' explained by state-dependent learning. Jensen HH, et al. **Scand J Psychol** 1982;23(2):107–11

[Physical dependence on benzodiazepines] Bismuth C, et al. **Ann Med Interne (Paris)** 1981;132(5):295–6 **(Fre)**

[Prognostic aspects of juvenile delinquent drug addicts] Prokop H. **Lebensversicherungsmedizin** 1981 Oct 22; 33(8):178–85 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

A comparison of the problems of the family members of male prison inmates with and without drug abuse problems. Page RC, et al. **Int J Addict** 1981 Oct;16(7):1241–6

Pharmacogenetic tools in the study of drug tolerance and dependence. Crabbe JC, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):385–413 (120 ref.)

[The adult psychiatry and the social care must cooperate to protect the children of the addicts] Persson B. **Nord Med** 1982 Jan;97(1):11–2 **(Swe)**

METABOLISM

Relation between chronic alcoholism, drug addiction and nutrition with special reference to the thiamine status. Somogyi JC, et al. **Bibl Nutr Dieta** 1981;(30):131–8

A neuroendocrine approach to benzodiazepine tolerance and dependence. Petursson H, et al. **Br J Clin Pharmacol** 1981 May;11(5):526–8

Reversal by naloxone of the effects of chronic administration of drugs of dependence on rat liver and brain tryptophan metabolism. Badawy AA, et al. **Br J Pharmacol** 1981 Oct; 74(2):489–94

Effects of morphine dependence, withdrawal and tolerance on prolactin and growth hormone secretion in the rat. Mioduszewski R, et al. **Life Sci** 1982 Apr 19;30(16):1343–8

The role of GABA in analgesia and drug dependence. Buckett WR. **Rev Pure Appl Pharmacol Sci** 1981 Apr-Jun;

2(2):115–41 (129 ref.)

MORTALITY

[Hidden deaths in drug addicts in Denmark in 1968–79] Kringsholm B. **Ugeskr Laeger** 1982 Feb 1;144(5):341–4 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Drug dependence in Czechoslovakia. Drtil J. **Act Nerv Super (Praha)** 1981 Dec;23(4):264–6

Benzodiazepine dependence. Petursson H, et al. **Br J Addict** 1981;76(2):133–45 (107 ref.)

Drug-related problems in London accident and emergency departments. A twelve month survey. **Lancet** 1981 Oct 17; 2(8251):859–62

The rising price of mushrooms. Young RE, et al. **Lancet** 1982 Jan 23;1(8265):213–5

Alcohol and drug problems in medical patients; comprehensive survey of physicians' perceptions. Smith CM, et al. **NY State J Med** 1982 May;82(6):947–51

[Addiction to drugs in physicians] ten Cate TJ. **Ned Tijdschr Geneeskd** 1981 Nov 14;125(46):1882–5 **(Dut)**

[Drug abuse management in the French armies] Lefebvre P. **Ann Med Psychol (Paris)** 1981 Jun;139(6):668–71 **(Fre)**

[Contribution to research on addictive drugs in the body] Wennig R. **Bull Soc Sci Med Grand Duche Luxemb** 1981; 118(1):41–5 **(Fre)**

[Drug dependence in Switzerland (author's transl)] Ladwig D. **Praxis** 1982 Jun 15;71(24):1011–3 **(Ger)**

[Plea for a study of the spread of drug addiction in the military milieu in Italy: preliminary problems and a 'testological' contribution to their solution] Sparvieri F. **Riv Med Aeronaut Spaz** 1981 Jan–Jun;45(1–2):94–101 (Eng. Abstr.) **(Ita)**

[Analysis of drug dependence in Asturias in 1980] Bobes García J, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Sep–Oct;9(5):351–62 (Eng. Abstr.) **(Spa)**

[Prevalence and conditions of cocaism in an agroindustrial community of the northern coast of Peru. Survey carried out in the Cooperativa Agraria San Jacinto (Province of Chimbote, Department of Ancash)] Ramos-Aliaga EO, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):647–65 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Pathological anatomical lung chances caused by drug abuse (author's transl)] Debarge A, et al. **Acta Tuberc Pneumol Belg** 1979 Jul–Dec;70(3–4):265–72 (Eng. Abstr.) **(Fre)**

[Histopathology of the liver in IV drug addicts. A study of 31 cases (author's transl)] Kermarec J, et al. **Arch Anat Cytol Pathol** 1981;29(6):332–7 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The addictive potential of cannabis. Kaymakçalan S. **Bull Narc** 1981;33(2):21–31 (49 ref.)

Use of the specific benzodiazepine antagonist, Ro 15–1788, in studies of physiological dependence on benzodiazepines. Cumin R, et al. **Experientia** 1982 Jul 15;38(7):833–4

Benzodiazepine dependence studies in rodents. Martin WR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(33):37–42

PREVENTION & CONTROL

Reductionism in the psychology of the eighties. Can biochemistry eliminate addiction, mental illness, and pain? Peele S. **Am Psychol** 1981 Aug;36(8):807–18

Management of the anxious patient prone to drug abuse. Hollister LE. **J Clin Psychiatry** 1981 Nov;42(11 Pt 2):35–9

Drugs, crime and criminal justice. Editors' introduction. Weissman JC, et al. **J Psychoactive Drugs** 1981 Jul–Sep; 13(3):213–6

World drug problems and WHO's strategies. **WHO Chron** 1981;35(6):216–22

[Quaalude addiction (letter)] Vaille C. **Nouv Presse Med** 1982 Jan 16;11(2):133 **(Fre)**

PSYCHOLOGY

The addict's perceptions of their own drug-taking: implications for the treatment of drug dependence. Gossop M, et al. **Addict Behav** 1982;7(2):189–94

Help for the helper. Confronting a chemically-impaired colleague. Jefferson LV, et al. **Am J Nurs** 1982 Apr; 82(4):574–7

Transplantation, identity and drug addiction. Amaral Dias CA, et al. **Bull Narc** 1981;33(1):21–6

Young people, drugs...and others. Bergeret J. **Bull Narc** 1981; 33(4):1–14

Diazepam dependency and withdrawal. Ayd FJ Jr. **Curr Psychiatr Ther** 1981;20:263–73

The level of functioning scale. Clinton LP, et al. **Int J Addict** 1981 May;16(4):771–2

The 'urge to classify' the narcotic addict: a review of psychiatric classification. I. Cohen A. **Int J Addict** 1982 Feb;17(2):213–25 (63 ref.)

Stereotyping as a negative factor in substance abuse treatment. Cohen GH, et al. **Int J Addict** 1982 Feb; 17(2):371–6

Birthdate as a predictor for seeking admission to a drug treatment program. Craig RJ. **Int J Addict** 1982 Jul; 16(5):969–71

Long-term treatment with diazepam. Investigation of consumption habits and the interaction between psychotherapy and psychopharmacotherapy: a prospective study. Balmer R, et al. **Int Pharmacopsychiatry** 1981; 16(4):221–34

Adjustment differences among male substance abusers varying in degree of combat experience in Vietnam. Penk WE, et al. **J Consult Clin Psychol** 1981 Jun;49(3):426–37

MMPI differences of black and white male polydrug abusers seeking treatment. Penk WE, et al. **J Consult Clin Psychol** 1982 Jun;50(3):463–5

Personality similarities and differences in four diagnostic groups of women alcoholics and drug addicts. Carroll JF, et al. **J Stud Alcohol** 1981 May;42(5):432–40

Alcohol use following treatment for drug addiction. A four-year follow-up. Simpson DD, et al. **J Stud Alcohol** 1981 Mar;42(3):323–35

Stimulus control and drug dependence. Jasinski DR. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):155–6

A study of analgesic and dependence producing actions of nitrous oxide in mice. Tulunay FC, et al. **Pharmacol Res Commun** 1982 Feb;14(2):131–9

Interpersonal cognitive differentiation and drug of choice. Penrod JH, et al. **Psychol Rep** 1981 Dec;49(3):725–6

'Tonic', 'fuel' and 'food': social and symbolic aspects of the long-term use of psychotropic drugs. Helman CG. **Soc Sci Med [B]** 1981 Oct;15(4):521–33

[Personality of adolescent drug addicts] Vojtík V, et al. **Cesk Pediatr** 1982 May;37(5):279–82 (Eng. Abstr.) **(Cze)**

[Drug dependence. A review of the narcotic and hallucinogenic effects of drugs] Haan J. **Med Monatsschr Pharm** 1981 May;4(5):129–37 (5 ref.) **(Ger)**

[Depression and addiction (author's transl)] Kraus A. **Nervenarzt** 1981 Nov;52(11):629–34 **(Ger)**

[Drug abuse and sexuality. The effect of intoxicating drugs on sexuality in adolescents] Bron B. **Prax Kinderpsychol Kinderpsychiatr** 1982 Feb–Mar; 31(2):64–75 (Eng. Abstr.) **(Ger)**

[Epidemiology of drug addiction and historical cycles of other psychic disorders] Sardi PA. **Minerva Med** 1981 Sep 26;72(36):2447–52 (Eng. Abstr.) **(Ita)**

[Use of the Ranking Rorschach Test in drug addicts] Rovera GG, et al. **Minerva Psichiatr** 1981 Oct–Dec;22(4):183–4 **(Ita)**

[Cocaine basic paste syndrome. Clinical synopsis of drug dependence. II] Nizama Valladolid M. **Rev Neuropsiquiatr** 1979 Sep–Dec;42(3–4):185–208 (Eng. Abstr.) **(Spa)**

REHABILITATION

The efficacy of role induction in preventing early dropout from outpatient treatment of drug dependency. Zweben A, et al. **Am J Drug Alcohol Abuse** 1981;8(2):171–83

Help for the helper. **Am J Nurs** 1982 Apr;82(4):572–87

Help for the helper. What the SNAs are doing in Georgia. Dilday RC. **Am J Nurs** 1982 Apr;82(4):581–2

Help for the helper. An employee assistance program. Elliott B, et al. **Am J Nurs** 1982 Apr;82(4):586–7

Help for the helper. What the SNAs are doing in Maryland. Ensor BE. **Am J Nurs** 1982 Apr;82(4):581

Help for the helper. What the SNAs are doing in Ohio. Harakal BM. **Am J Nurs** 1982 Apr;82(4):582–3

Help for the helper. What the SNAs are doing in Tennessee. Heins M, et al. **Am J Nurs** 1982 Apr;82(4):583–4

The Northwestern University Drug Dependence Program: the impact of intensive prenatal care on labor and delivery outcomes. Rosner MA, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):23–7

Drugs and youth: an international perspective on vocational and social reintegration. Sackstein E. **Bull Narc** 1981; 33(4):33–45

Out-patient detoxification of patients addicted to sedative-hypnotics and anxiolytics. Hawthorne JW, et al. **Drug Alcohol Depend** 1982 Apr;9(2):143–51

An examination of the relationship between crime and substance use in a drug/alcohol treatment population. Greene BT. **Int J Addict** 1981 May;16(4):627–45

Rehabilitation of the Puerto Rican addict: a cultural perspective. Langrod J, et al. **Int J Addict** 1981 Jul; 16(5):841–7

Women in drug abuse treatment programs: factors that influence retention at very early and later stages in two treatment modalities. A summary. Moise R, et al. **Int J Addict** 1981 Oct;16(7):1295–300

Westend, a methadone clinic: structural aspects of addiction. Schwartzman J, et al. **Int J Addict** 1982 Feb;17(2):271–81

Social and psychological factors associated with length of stay on an inpatient drug dependency treatment unit. Ward ES, et al. **Int J Addict** 1981 Oct;16(7):1281–8

Substitution-detoxification and its role in the management of chronic benign pain. Halpern L. **J Clin Psychiatry** 1982 Aug;43(8 Pt 2):10–4

Supported work for ex-addicts: an exploration of endogenous tastes. Dickinson KP. **J Hum Resour** 1981 Fall;16(4):551–99

Drug addiction: British system failing [editorial] **Lancet** 1982 Jan 9;1(8263):83–4

Drugs-addicts help themselves [letter] Elkington EJ. **Med J Aust** 1981 Aug 22;2(4):208–9

Vocational interests of substance abusers. Collins HA, et al. **Psychol Rep** 1982 Feb;50(1):327–33

Identification and management of distress in chemically dependent patients. Michaelson J, et al. **QRB** 1982 Jan; 8(1):20–3

[Drug abuse as a disease in the sense of health insurance] Dahse G. **Beitr Gerichtl Med** 1981;39:303–6 (Eng. Abstr.) **(Ger)**

THERAPY

Medical and treatment definitions of drug use: the case of the adolescent user. Chitwood DD, et al. **Adolescence** 1981 Winter;16(64):817–30

Treatment of alcohol dependence: long-term treatment of the psychological effects. Glatt MM. **Br Med Bull** 1982 Jan;38(1):106–8

Some reflections on the present situation of drug abuse among young people. Berntsen K. **Bull Narc** 1981;33(4):15–22

Self-treatment of smoking and obesity. Schachter S. **Can J Public Health** 1981 Nov–Dec;72(6):401–6

Alcohol and other drug dependence in adolescence: characteristics of those who seek treatment, and outcome of treatment. Herrington RE, et al. **Curr Alcohol** 1981; 8:253–67

Multiple family therapy and naltrexone in the treatment of opiate dependence. Anton RF, et al. **Drug Alcohol Depend** 1981 Sep;8(2):157–68

Engaging 'resistant' families in treatment. Stanton MD, et al. **Fam Process** 1981 Sep;20(3):261–93

Counselor training as a treatment method for alcohol and drug abuse. Kahn MW, et al. **Int J Addict** 1981 Dec; 16(8):1415–24

Social resources and frequency of drug use as predictors of male admissions to treatment programs: a proposed model. Keil TJ, et al. **Int J Addict** 1982 Jan;17(1):187–97

A comparison of Black and White women entering drug abuse treatment programs. Moise R, et al. **Int J Addict** 1982 Jan;17(1):35–49

Some thoughts about MIS implementation in drug abuse programs. Murphy JW. **Int J Addict** 1982 Jan;17(1):205–12

Psychotherapy by nurses—some special characteristics. Strang J. **J Adv Nurs** 1982 Mar;7(2):167–71

Art therapy with the addicted. Kaufman GH. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):353–60

Holistic programs for the drug addict & alcoholic. Nebelkopf E. **J Psychoactive Drugs** 1981 Oct–Dec;13(4):345–51

Anthropological research. Its relevance to the treatment of alcoholism and drug addiction. Strug DL. **J Stud Alcohol** 1981 Sep;42(9):819–21

Self-regulation of chronic arthritic pain and long-term analgesic dependence in a haemophiliac. Varni JW, et al. **Rheumatol Rehabil** 1982 Aug;21(3):171–4

A few aspects at organizing the treatment for alcoholic and narcotic patients. Babayan EA. **Sante Publique (Bucur)** 1981;24(1):67–78

A treatment unit for chemically dependent patients generates additional revenues. Simonds WW, et al. **Top Health Care Financ** 1981 Fall;8(1):69–74

[Inpatient treatment of alcoholic and drug patients with apomorphine in a general practitioner private unit (author's transl)] Beil H, et al. **MMW** 1982 Feb 19;124(7):159–62 (Eng. Abstr.) **(Ger)**

[Drugs and addictive behavior. Possibilities of sport therapy] Glatthaar GW. **MMW** 1982 Feb 19;124(7):143–7 (Eng. Abstr.) **(Ger)**

[Therapy of addicted patients] Schmidt L. **MMW** 1982 Feb 19;124(7):139–40 **(Ger)**

[Therapy of drug addicts] Torhorst A. **ZFA (Stuttgart)** 1982 Apr 10;58(10):546–50 **(Ger)**

[The how and why of drugs] Bossi L. **Ann Osp Maria Vittoria Torino** 1979 Jul–Dec; 22(7–12):175–80 **(Ita)**

[The physician and drug dependence in Italy today. (Introduction to a round table)] Cocchi R. **Minerva Med** 1982 Mar 31;73(13):699–701 (Eng. Abstr.) **(Ita)**

[Therapeutic benefit of sports in the treatment of drug addicts] Santinelli C. **Riv Med Aeronaut Spaz** 1981 Jan–Jun; 45(1–2):112–6 (Eng. Abstr.) **(Ita)**

[A treatment team at the Huddinge Hospital helps pregnant addicts. Interview by Eva Oldinger] Larsson G, et al. **Nord Med** 1982 Jan;97(1):9–10 **(Swe)**

URINE

[Drug determination in practice, in the hospital and under supervision] Drasch G. **ZFA (Stuttgart)** 1982 Apr 10; 58(10):551–6 **(Ger)**

[The possibility of urine examination to determine cocaine abuse among addicts] Rane A, et al. **Lakartidningen** 1982 Mar 17;79(11):998–1000 **(Swe)**

SUBSTANCE P

ADVERSE EFFECTS

Substance P [letter] Bernstein JE, et al. **J Invest Dermatol** 1981 Aug;77(2):250–1

ANALOGS & DERIVATIVES

In vitro degradation of substance P: new rapid assay and distribution in rat brain. Akopyan TN, et al.

Acta Biol Med Ger 1981;40(6):779–84

Analgesic effect of antagonists of substance P. Lembeck F, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1318–21

The behavioural effects of a novel substance P analogue following infusion into the ventral tegmental area or substantia nigra of rat brain. Eison AS, et al. **Brain Res** 1982 Apr 22;238(1):137–52

Agonist effects of [D-Pro2,D-Phe7,D-Trp9]substance P--evidence for different receptors. Hawcock AB, et al. **Eur J Pharmacol** 1982 May 7;80(1):135–8

Synthesis and metabolic stability of a tritium-labelled substance P analogue. Sandberg BE, et al. **FEBS Lett** 1982 Jan 25;137(2):236–40

Field desorption mass spectrometry. II. Potassium cationization field desorption mass spectrometry of some penta- and hexapeptides derived from substance P. Deutsch J, et al. **Int J Pept Protein Res** 1981 Aug;18(2):203–7

Synthesis and biological activities of photoaffinity labeling analogues of substance P. Escher E, et al. **J Med Chem** 1982 Apr;25(4):470–5

Biological activity of substance P methyl ester. Cascieri MA, et al. **Mol Pharmacol** 1981 Nov;20(3):457–9

A synthetic peptide as an antagonist of substance P. Engberg G, et al. **Nature** 1981 Sep 17–23;293(5829):222–3

A specific substance P antagonist blocks smooth muscle contractions induced by non-cholinergic, non-adrenergic nerve stimulation. Leander S, et al. **Nature** 1981 Dec 3; 294(5840):467–9

Evaluation of (D-Pro2, D-Trp7,9)-substance P as an antagonist of substance P responses in the rat central nervous system. Salt TE, et al. **Neurosci Lett** 1982 Jun 30; 30(3):291–5

Substance P analog, DiMe-C7: evidence for stability in rat brain and prolonged central actions. Eison AS, et al. **Science** 1982 Jan 8;215(4529):188–90

A substance P antagonist, [D-Pro2, D-Trp7,9]SP, inhibits inflammatory responses in the rabbit eye. Holmdahl G, et al. **Science** 1981 Nov 27;214(4524):1029–31

ANALYSIS

Concentration of substance P-like immunoreactivity (SPLI) in tissues of dog, rat and mouse. Brodin E, et al. **Acta Physiol Scand** 1981 Jul;112(3):305–12

Evidence for the coexistence of serotonin and substance P in single raphe cells and fiber plexuses: combined immunocytochemistry and autoradiography. Chan-Palay V. **Adv Exp Med Biol** 1981;133:81–97

Ultrastructural immunocytochemical localization of substance P in the cat small intestine. Fehér E, et al. **Anat Anz** 1981;150(1–2):137–43

The ontogeny of substance P--containing nerve fibres in the developing mouse dentition. Mohamed SS, et al. **Anat Embryol (Berl)** 1982;164(1):153–9

The absence of substance P from guinea pig auditory structures. Davies WE. **Arch Otorhinolaryngol** 1982; 234(2):135–7

Chemical characterization of substance P-like immunoreactivity in primary afferent neurones. Harmar A, et al. **Brain Res** 1981 Sep 7;220(1):203–7

An electron microscopic study on substance P-like immunoreactive nerve fibers in the celiac ganglion of guinea pigs. Kondo H, et al. **Brain Res** 1981 Oct 5; 222(1):134–7

The ontogeny of substance P fibers in the mouse trigeminal nerve. Mohamed SS, et al. **Brain Res** 1982 Jul;256(3):351–5

Experimental immunohistochemical studies on the amygdalofugal peptidergic (substance P and somatostatin) fibers in the stria terminalis of the rat. Sakanaka M, et al. **Brain Res** 1981 Sep 28;221(2):231–42

Distribution of neuropeptides in the dorsal pontine tegmental area of the rat. Matsuzaki T, et al. **Cell Mol Biol** 1981; 27(5):499–508

Synaptic connections of substance P-immunoreactive nerve terminals in the substantia nigra of the rat. A correlated light- and electron-microscopic study. Somogyi P, et al. **Cell Tissue Res** 1982;223(3):469–86

Immunocytochemical localization of substance P in the neurohypophysis and hypothalamus of the mouse compared with the distribution of other neuropeptides. Stoeckel ME, et al. **Cell Tissue Res** 1982;223(3):533–44

Substance P-immunoreactive nerve fibres in the anterior segment of the rabbit eye. Distribution and possible physiological significance. Tornqvist K, et al. **Cell Tissue Res** 1982;222(3):467–77

Substance P immunoreactivity in the anterior pituitary gland of the guinea pig. DePalatis LR, et al. **Endocrinology** 1982 Jan;110(1):282–4

Immunoreactive substance P content in median eminence and pituitary gland during oestrus, dioestrus and after anterior hypothalamic deafferentation. Antonowicz U, et al. **Endokrinologie** 1982 Feb;79(1):25–34

The effects of 5-hydroxytryptamine-depleting drugs on peptides in the ventral spinal cord. Gilbert RF, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):203–10

Cholecystokinin and substance P immunoreactivity in retinas of rats, frogs, lizards and chicks. Osborne NN, et al. **Exp Eye Res** 1982 Apr;34(4):639–49

Effect of sensory and sympathetic denervation on substance P immunoreactivity in nerve fibres of the rabbit eye. Tervo K, et al. **Exp Eye Res** 1982 Apr;34(4):577–85

Localization of substance P-like immunoreactivity within the monkey retina. Brecha N, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):147–53

Localization of substance P-like immunoreactivity in the anterior eye segment of squirrels: an immunohistochemical analysis. Shimizu Y, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):259–63

Substance P in human adrenal medulla and in sympathetic tumours. Trümper L, et al. **Ir J Med Sci** 1982 Apr; 151(4):123–5

Substance P-like immunoreactivity in the intramural nerve plexuses of the guinea-pig ureter: a light and electron microscopical study. Sikri KL, et al. **J Anat** 1981 Oct; 133(Pt 3):425–42

Immunohistochemical studies on enteric substance P of extrinsic origin in the cat. Hayashi H, et al. **J Auton Nerv Syst** 1982 Mar;5(2):207–17

Regional distribution of substance P-like immunoreactivity in the frog brain and spinal cord: immunohistochemical analysis. Inagaki S, et al. **J Comp Neurol** 1981 Sep 10; 201(2):243–54

Cortical substance P-like immunoreactivity in cases of Alzheimer's disease and senile dementia of the Alzheimer type. Crystal HA, et al. **J Neurochem** 1982 Jun;38(6):1781–4

Enzyme-linked immunosorbent assay of substance P: a study in the eye. Stjernschantz J, et al. **J Neurochem** 1982 May; 38(5):1323–8

Localization of substance P-like and enkephalin-like immunoreactivity within preganglionic terminals of the avian ciliary ganglion: light and electron microscopy. Erichsen JT, et al. **J Neurosci** 1982 Jul;2(7):994–1003

Substance P: immunohistochemical localization and effect upon cat pial arteries in vitro and in situ. Edvinsson L, et al. **J Physiol (Lond)** 1981 Sep;318:251–8

Substance P and enkephalins in spinal cord after limb amputation [letter] Hunt SP, et al. **Lancet** 1982 May 1; 1(8279):1023

Neuropeptides in sensory neurons. Buck SH, et al. **Life Sci** 1982 May 31;30(22):1857–66 (82 ref.)

Depletion of substance P-containing axons in substantia gelatinosa of patients with diminished pain sensitivity. Pearson J, et al. **Nature** 1982 Jan 7;295(5844):61–3

A survey of substance P, somatostatin, and neurotensin levels in aging in the rat and human central nervous system. Buck SH, et al. **Neurobiol Aging** 1981 Winter;2(4):257–64

Localization of substance P-like immunoreactivity in cell bodies of the feline dorsal vagal nucleus. Maley B, et al. **Neurosci Lett** 1981 Dec 11;27(2):187–91

Substance P-like immunoreactivity in the phrenic nerve and diaphragm: axonal transport of substance P in the phrenic nerve. Malthe-Sørenssen D, et al. **Neurosci Lett** 1982 Mar 5;28(3):269–74

Neuropeptides in the retina: evidence for differential topographical localization. Eriksen EF, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):153–7

Central nervous system immunoreactive somatostatin, substance P and metenkephalin concentrations in experimental hepatic encephalopathy in the rat. Miller JL, et al. **S Afr Med J** 1982 Jun 12;61(24):923–5

Neuropeptides in the eye. Coster DJ, et al. **Trans Ophthalmol Soc NZ** 1982;34:44–7

Substance P in the argentaffin carcinoid of the caecum: biochemical and biological characterization. Ratzenhofer M, et al. **Virchows Arch [Pathol Anat]** 1981;392(1):21–31

[The morphology of substance P in the human brain as determined by an immuno-histo-fluorescence study] Constantinidis J, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):323–55 (Eng. Abstr.) **(Fre)**

[Neuropeptides in the rabbit eye. I. RIA for beta-endorphin, substance P and neurotensin in the aqueous humor, iris-ciliary body and retina (author's transl)] Baba S, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1267–72 (Eng. Abstr.) **(Jpn)**

[Substance P and biogenic monoamines (author's transl)] Kato T. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(11):1680–9 (53 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Effect of prolonged and neonatal capsaicin treatments on the substance P immunoreactive nerves in the rabbit eye and spinal cord. Tervo K. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):737–46

Chemical design of antagonists of substance P. Folkers K, et al. **Acta Physiol Scand** 1981 Apr;111(4):505–6

Analgesic effect of antagonists of substance P. Lembeck F, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1318–21

Antagonists of substance P. Caranikas S, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):205–6

A synthetic peptide as an antagonist of substance P. Engberg G, et al. **Nature** 1981 Sep 17–23;293(5829):222–3

A substance P antagonist, [D-Pro2, D-Trp7,9]SP, inhibits inflammatory responses in the rabbit eye. Holmdahl G, et al. **Science** 1981 Nov 27;214(4524):1029–31

BIOSYNTHESIS

In vivo biosynthesis of 35S-substance P from [35S]methionine in the rat striatum and its transport to the substantia nigra. Torrens Y, et al. **J Neurochem** 1982 Jun; 38(6):1728–34

Substance P biosynthesis in dorsal root ganglia: an immunochemical study of [35S]methionine and [3H]proline incorporation in vitro. Harmar A, et al. **Neuroscience** 1981; 6(10):1917–22

BLOOD

Effect of ceruletide on pituitary-hypothalamic peptides and on emotion in man. Basso N, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:71–5

Substance P-like immunoreactivity in plasma of psychotic patients and effects of neuroleptics and electroconvulsive therapy. Kaiya H, et al. **Psychiatry Res** 1981 Aug; 5(1):11–21

Electroconvulsive therapy (ECT) increases plasma growth hormone, prolactin, luteinising hormone and follicle-stimulating hormone but not thyrotropin or substance P. Skrabanek P, et al. **Psychoneuroendocrinology** 1981;6(3):261–7

[Substance P in human plasma and the effect of anesthetics (author's transl)] Sasaki H, et al. **Masui** 1981 Jul; 30(7):656–63 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Synthesis of peptides by the solid-phase method. 7. Substance P and analogues. Fournier A, et al. **J Med Chem** 1982 Jan; 25(1):64–8

IMMUNOLOGY

Tissue concentration and release of substance P-like immunoreactivity in the dental pulp. Brodin E, et al. **Acta Physiol Scand** 1981 Feb;111(2):141–9

Substance P-like immunoreactive nerve fibers in the trabecular meshwork. Laties AM, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):484–6

Substance P-like immunoreactivity in neurons in dissociated cell cultures of mammalian spinal cord and dorsal root ganglia. Neale EA, et al. **J Neurosci** 1982 Feb;2(2):169–77

Substance P-, met-enkephalin- and somatostatin-like immunoreactivity distribution in the frog spinal cord. Lorez HP, et al. **Neurosci Lett** 1981 Oct 23;26(2):119–24

Immunohistochemical support for three putative transmitters in one neuron: coexistence of 5-hydroxytryptamine, substance P- and thyrotropin releasing hormone-like immunoreactivity in medullary neurons projecting to the spinal cord. Johansson O, et al. **Neuroscience** 1981; 6(10):1857–81

Immunocytochemistry with internally labeled monoclonal antibodies. Cuello AC, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):665–9

METABOLISM

Substance P in trigeminal nerve endings: occurrence and release. Brodin E, et al. **Acta Physiol Scand** 1981 Apr; 111(4):501–3

Depletion of substance P-like immunoreactivity in the cat dental pulp by antidromic nerve stimulation. Gazelius B, et al. **Acta Physiol Scand** 1981 Mar;111(3):319–27

Effects of opioids on noncholinergic excitatory responses of the guinea-pig isolated ileum: inhibition of release of enteric substance P. Gintzler AR, et al. **Br J Pharmacol** 1982 Jan; 75(1):199–205

The regional distribution of somatostatin, substance P and neurotensin in human brain. Cooper PE, et al. **Brain Res** 1981 Aug 10;218(1–2):219–32

Immunoreactive substance P in the substantia nigra of the monkey: light and electron microscopic localization. DiFiglia M, et al. **Brain Res** 1982 Feb 11;233(2):381–8

Capsaicin applied to peripheral nerve inhibits axoplasmic transport of substance P and somatostatin. Gamse R, et al. **Brain Res** 1982 May 13;239(2):447–62

Synthesis, and central and peripheral axonal transport of substance P in a dorsal root ganglion-nerve preparation in vitro. Harmar A, et al. **Brain Res** 1982 Jan 14; 231(2):379–85

Effect of spinal ganglionectomy on substance P-like immunoreactivity in the gastroduodenal tract of cats. Hayashi H, et al. **Brain Res** 1982 Jan 28;232(1):227–30

Effect of capsaicin administration to neonatal rats on the substance P content of discrete CNS regions. Helke CJ, et al. **Brain Res** 1981 Oct 19;222(2):428–31

Regulation of substance P in adult rat sympathetic ganglia. Kessler JA, et al. **Brain Res** 1982 Feb 18;234(1):182–7

Evidence for the existence of a substance P-containing pathway from the nucleus laterodorsalis tegmenti (Castaldi) to the lateral septal area of the rat. Sakanaka M, et al. **Brain Res** 1981 Dec 28;230(1–2):351–5

In vivo synthesis of substance P in the corpus striatum of the rat and its transport to the substantia nigra. Sperk G, et al. **Brain Res** 1982 Apr 22;238(1):127–35

Spinal neurons mediate return of substance P following deafferentation of cat spinal cord. Tessler A, et al. **Brain Res** 1981 Dec 28;230(1–2):263–81

Inactivation of substance P and its C-terminal fragments in rat plasma and its inhibition by Captopril. Couture R, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):621–5

Cholinergic modulation of substance P release. Jaffe BM, et al. **Dig Dis Sci** 1982 Jan;27(1):28–32

Perivascular substance P: occurrence and distribution in mammalian pial vessels. Uddman R, et al. **J Cereb Blood Flow Metab** 1981;1(2):227–32

Localization of methionine-enkephalin, substance P, and

somatostatin immunoreactivities in the main olfactory bulb of the hamster. Davis BJ, et al. **J Comp Neurol** 1982 Feb 1;204(4):377–83

On the distribution and origins of substance P in the papillae of the rat tongue: an experimental and immunohistochemical study. Nishimoto T, et al. **J Comp Neurol** 1982 May 1;207(1):85–92

Effect of non–neuronal cells on peptide content of cultured sensory neurones. Mudge AW. **J Exp Biol** 1981 Dec; 95:195–203

Substance P hydrolysis by human serum cholinesterase. Lockridge O. **J Neurochem** 1982 Jul;39(1):106–10

Active uptake of substance P carboxy–terminal heptapeptide (5–11) into rat brain and rabbit spinal cord slices. Nakata Y, et al. **J Neurochem** 1981 Dec;37(6):1529–34

Substance P receptor on parotid cell membranes. Liang T, et al. **J Neurosci** 1981 Oct;1(10):1133–41

Use of an experimental autoimmune model to define nerve growth factor dependency of peripheral and central substance P–containing neurons in the rat. Ross M, et al. **J Neurosci** 1981 Nov;1(11):1304–11

Age–related changes in central nervous system enkephalins and substance P. Dupont A, et al. **Life Sci** 1981 Nov 30; 29(22):2317–22

Capsaicin and potassium evoked substance P release from the nucleus tractus solitarius and spinal trigeminal nucleus in vitro. Helke CJ, et al. **Life Sci** 1981 Oct 26; 29(17):1779–85

Co–occurrence of substance P–like and Leu–enkephalin–like immunoreactivities in neurones and fibres of avian nervous system. Erichsen JT, et al. **Nature** 1982 Feb 4; 295(5848):407–10

Immunocytochemical localization of enkephalin and substance P in retina and eyestalk neurones of lobster. Mancillas JR, et al. **Nature** 1981 Oct 15–21;293(5833):576–8

Distinct subpopulations of enteric p–type neurones contain substance P and vasoactive intestinal polypeptide. Probert L, et al. **Nature** 1981 Dec 3;294(5840):470–1

Differential effects of capsaicin on the content of somatostatin, substance P, and neurotensin in the nervous system of the rat. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):140–8

Intranigral injection of capsaicin enhances motor activity and depletes nigral 5–hydroxytryptamine but not substance P. Dawbarn D, et al. **Neuropharmacology** 1981 Apr; 20(4):341–6

Substance P in the mouse cornea: effects of chemical and surgical denervation. Keen P, et al. **Neurosci Lett** 1982 Apr 26;29(3):231–5

Developmental changes in bombesin, substance P, somatostatin and vasoactive intestinal polypeptide in the rat brain. McGregor GP, et al. **Neurosci Lett** 1982 Jan 22; 28(1):21–7

Depletion by capsaicin of substance P–immunoreactivity and acetylcholinesterase activity from nerve fibres in the guinea–pig heart. Papka RE, et al. **Neurosci Lett** 1981 Nov 18;27(1):47–53

Transplantation of irides or sensory ganglia to the anterior eye chamber of the rat: survival and sprouting of substance P–containing neurones. Skagerberg G, et al. **Neurosci Lett** 1982 Jan 22;28(1):29–34

Coexistence of substance P– and cholecystokinin–like immunoreactivity in neurons of the mesencephalic periaqueductal central gray. Skirboll L, et al. **Neurosci Lett** 1982 Jan 22;28(1):35–9

Substance P immunoreactive nerves in the rodent cornea. Tervo K, et al. **Neurosci Lett** 1981 Aug 7;25(1):95–7

Intraventricular capsaicin: alterations in analgesic responsivity without depletion of substance P. Bodnar RJ, et al. **Neuroscience** 1982 Mar;7(3):631–8

Localization of substance P–like immunoreactivity in the adult and developing goldfish retina. Brecha N, et al. **Neuroscience** 1981;6(12):2737–46

Thermal analgesia and substance P depletion induced by capsaicin in guinea–pigs. Buck SH, et al. **Neuroscience** 1981; 6(11):2217–22

Substance P–containing primary sensory neurons projecting to the inferior mesenteric ganglion: evidence from combined retrograde tracing and immunohistochemistry. Dalsgaard CJ, et al. **Neuroscience** 1982 Mar;7(3):647–54

Light microscopic and ultrastructural localization of immunoreactive substance P in the dorsal horn of monkey spinal cord. DiFiglia M, et al. **Neuroscience** 1982 May; 7(5):1127–39

Substance P–like immunoreactivity in nerves associated with the vascular system of guinea–pigs. Furness JB, et al. **Neuroscience** 1982 Feb;7(2):447–59

Experimental and immunohistochemical studies on the cerebellar substance P of the rat: localization, postnatal ontogeny and ways of entry to the cerebellum. Inagaki S, et al. **Neuroscience** 1982 Mar;7(3):639–45

Ontogeny of substance P–containing neuron system of the rat: immunohistochemical analysis—I. Forebrain and upper brain stem. Inagaki S, et al. **Neuroscience** 1982 Jan; 7(1):251–77

Fluoride–resistant acid phosphatase–containing neurones in dorsal root ganglia are separate from those containing substance P or somatostatin. Nagy JI, et al. **Neuroscience** 1982 Jan;7(1):89–97

Distribution of vasoactive intestinal polypeptide–, substance P–, enkephalin and neurotensin–like immunoreactive nerves in the chicken gut during development. Saffrey MJ, et al. **Neuroscience** 1982 Jan;7(1):279–93

Ontogeny of substance P–containing neuron system of the rat: immunohistochemical analysis—II. Lower brain stem. Sakanaka M, et al. **Neuroscience** 1982 May;7(5):1097–126

The distribution of substrate P–like immunoreactive nerves in the guinea–pig heart. Wharton J, et al. **Neuroscience** 1981;6(11):2193–204

Substance P in tumors: pheochromocytoma and carcinoid. Gamse R, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:275–80

Demonstration of substance P in aortic nerve afferent fibers by combined use of fluorescent retrograde neuronal labeling and immunocytochemistry. Helke CJ, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):359–64

The peripheral substance P–ergic system. Polak JM, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:133–48 (36 ref.)

Substance P levels in the rat forebrain after apomorphine and haloperidol treatment. Janicki P, et al. **Pol J Pharmacol Pharm** 1981;33(5):499–502

Substance P–containing neurons of the avian suprachiasmatic nucleus project directly to the nucleus of Edinger–Westphal. Gamlin PD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3891–5

Biological importance of the retrograde axonal transport of nerve growth factor in sensory neurons. Goedert M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5895–8

Substance P in principal sympathetic neurons: regulation by impulse activity. Kessler JA, et al. **Science** 1981 Oct 16; 214(4518):335–6

Substance P and cholecystokinin–like peptides in Helix neurons and cholecystokinin and serotonin in a giant neuron. Osborne NN, et al. **Science** 1982 Apr 23; 216(4544):409–11

PHARMACODYNAMICS

Effects of substance P and somatostatin on choleresis in anesthetized dogs. Magnusson I, et al. **Acta Chir Scand** 1981;147(8):667–71

Evidence that substance P is a mediator of antidromic vasodilatation using somatostatin as a release inhibitor. Gazelius B, et al. **Acta Physiol Scand** 1981 Oct;113(2):155–9

Effects of neurotensin, substance P and methionine–enkephalin on colonic motility. Hellström PM, et al. **Acta Physiol Scand** 1981 Oct;113(2):147–54

Ocular responses to antidromic trigeminal stimulation, intracameral prostaglandin E1 and E2, capsaicin and substance P. Mandahl A, et al. **Acta Physiol Scand** 1981 Jul;112(3):331–8

Inhibition of antidromic and substance P–induced vasodilatation by a substance P antagonist. Rosell S, et al. **Acta Physiol Scand** 1981 Mar;111(3):381–2

Tuftsin and substance P as modulators of phagocyte functions. Bar–Shavit Z, et al. **Adv Exp Med Biol** 1982; 141:549–58

Substance P and somatostatin and excitatory neurotransmission in rabbit urinary bladder. Husted S, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):72–85

Facilitation of learning by post–trial injection of substance P into the medial septal nucleus. Stäubli U, et al. **Behav Brain Res** 1980 Jun;1(3):245–55

Inhibition by substance P of some peripheral actions of acetylcholine in the cat. Clark SL, et al. **Br J Pharmacol** 1982 Aug;76(4):595–602

The effects of substance P on smooth muscle cells and on neuro–effector transmission in the guinea–pig ileum. Fujisawa K, et al. **Br J Pharmacol** 1982 Jun;76(2):279–90

Shape changes induced by biologically active peptides and nerve growth factor in blood platelets of rabbits. Gudat F, et al. **Br J Pharmacol** 1981 Nov;74(3):533–8

Enkephalins, substance P, bradykinin and angiotensin II: differential sites of action on the hypothalamo–neurohypophysial system. Baertschi AJ, et al. **Brain Res** 1981 Sep 7;220(1):107–19

Inner plexiform circuits in the carp retina: effects of cholinergic agonists, GABA, and substance P on the ganglion cells. Glickman RD, et al. **Brain Res** 1982 Feb 18;234(1):81–99

Extinction of hippocampal theta rhythm evoked by mid–brain stimulation after intracerebroventricular administration of substance P fragment and enkephalin administration in rabbits. Kosiński S, et al. **Brain Res** 1981 Oct 5;222(1):65–74

Neonatal rat spinal cord slice preparation: postsynaptic effects of neuropeptides on dorsal horn neurons. Miletić V, et al. **Brain Res** 1981 Oct;254(3):432–8

Flavour modulates the antidipsogenic effect of substance P. Morley JE, et al. **Brain Res** 1981 Dec 7;226(1–2):334–8

The actions of neuropeptides on dorsal horn neurons in the rat spinal cord slice preparation: an intracellular study. Murase K, et al. **Brain Res** 1982 Feb 18;234(1):170–6

Dual effects of substance P on the excitability of single cutaneous primary afferent C– and A–fibers in the cat spinal cord. Randić M, et al. **Brain Res** 1982 Feb 11;233(2):389–93

Application of L–glutamic acid and substance P to the substantia nigra modulates in vivo [3H]serotonin release in the basal ganglia of the cat. Reisine T, et al. **Brain Res** 1982 Mar 25;236(2):317–27

Baroreflex actions of substance P microinjected into the nucleus tractus solitarii in rat: a consequence of local distortion. Talman WT, et al. **Brain Res** 1981 Sep 14; 220(2):402–7

Kassinin and substance P stimulate somatostatin release in the rat. Güllner HG, et al. **Clin Sci** 1981 Dec;61(6):785–7

Vasopressor effects of substance P and C–terminal sequences after intracisternal injection to alpha–chloralose–anaesthetized rats: blockade by a substance P antagonist. Fuxe K, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):171–6

Agonist effects of [D–Pro2,D–Phe7,D–Trp9]substance P—evidence for different receptors. Hawcock AB, et al. **Eur J Pharmacol** 1982 May 7;80(1):135–8

Increased intraocular pressure and hyperthermia following administration of substance P into rabbit third ventricle. Krupin T, et al. **Exp Eye Res** 1982 Mar;34(3):319–24

Further support for the postsynaptic action of substance P and its blockade with baclofen in neurons of the guinea–pig hypothalamus in vitro. Ogata N, et al. **Experientia** 1981 Jul 15;37(7):759–61

Substance P and neurotensin: opposite effects on plasma cholesterol levels in ovariectomized conscious rats. Vijayan E, et al. **Experientia** 1982 Jul 15;38(7):863–4

Serotonin and gamma–aminobutyric acid turnover after injection into the median raphe of substance P and D–ala–met–enkephalin amide. Forchetti CM, et al. **J Neurochem** 1982 May;38(5):1336–41

Substance P: ionic basis for depolarizing responses of mouse spinal cord neurons in cell culture. Nowak LM, et al. **J Neurosci** 1982 Aug;2(8):1119–28

Neurohumoral control of ileal electrolyte transport. II. Neurotensin and substance P. Kachur JF, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):456–63

Non–cholinergic excitatory transmission in inferior mesenteric ganglia of the guinea–pig: possible mediation by substance P. Dun NJ, et al. **J Physiol (Lond)** 1982 Apr; 325:145–59

Effects of substance P on neurones of the inferior mesenteric ganglia of the guinea–pig. Dun NJ, et al. **J Physiol (Lond)** 1981 Dec;321:259–71

An enquiry into the mechanism by which substance P facilitates the phasic longitudinal contractions of the rabbit ileum. Holzer P. **J Physiol (Lond)** 1982 Apr;325:377–92

Mediators of slow synaptic potentials in the myenteric plexus of the guinea–pig ileum. Johnson SM, et al. **J Physiol (Lond)** 1981 Nov;320:175–86

Effects of substance P on the isolated iris sphincter muscle of the albino rabbit. Nishiyama A, et al. **Jpn J Ophthalmol** 1982;26(1):29–36

Algesiogenic and analgesic activities of synthetic substance P. Kotani Y, et al. **Jpn J Pharmacol** 1981 Jun;31(3):315–21

Noncholinergic, nonadrenergic contraction and substance P in rabbit iris sphincter muscle. Ueda N, et al. **Jpn J Pharmacol** 1981 Dec;31(6):1071–9

Responses of the rat cardiovascular system to substance P, neurotensin and bombesin. Chahl LA, et al. **Life Sci** 1981 Nov 9;29(19):2009–15

The effect of indomethacin and substance P on the guinea pig urinary bladder. Johns A. **Life Sci** 1981 Oct 26; 29(17):1803–9

Analgesic activity of substance P in rats: apparent mediation by met–enkephalin release. Naranjo JR, et al. **Life Sci** 1982 Feb 1;30(5):441–6

Inhibitory effects of substance P on the gamma–amino–butyric acid and gamma–hydroxybutyric acid–induced growth hormone and prolactin release in male rats. Takahara J, et al. **Life Sci** 1981 Sep 21; 29(12):1229–31

Intrathecal substance P depresses spinal motor and sensory responses to stimulation of nociceptive afferents—antagonism by naloxone. Doi T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 May; 319(2):154–60

Intrathecal substance P depresses the tail–flick response – antagonism by naloxone. Doi T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):135–9

Release of histamine by substance P. Erjavec F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):67–70

The role of the N–terminal tetrapeptide in the histamine releasing action of substance P. Mazurek N, et al. **Neuropharmacology** 1981 Nov;20(11):1025–7

Substance P decreases membrane conductance in neurons of the guinea pig hypothalamus in vitro. Ogata N, et al. **Neuropharmacology** 1982 Feb;21(2):187–9

Substance P: evidence for spinal mediation of some behavioural effects. Rackham A, et al. **Neuropharmacology** 1981 Aug;20(8):753–5

Differential sensitivity of presumed dopaminergic and non–dopaminergic neurones in rat substantia nigra to electrophoretically applied substance P. Pinnock RD, et al. **Neurosci Lett** 1982 Apr 16;29(2):153–8

Evaluation of (D–Pro2, D–Trp7,9)–substance P as an antagonist of substance P responses in the rat central nervous system. Salt TE, et al. **Neurosci Lett** 1982 Jun 30; 30(3):291–5

Somatostatin and substance P inhibit catecholamine secretion from isolated cells of guinea–pig adrenal medulla. Role LW, et al. **Neuroscience** 1981;6(9):1813–21

Action of substance P and its natural analogs on the circular muscle of the guinea pig ileum. Bertaccini G, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:205–8

Substance P fails to mimic vagally mediated nonadrenergic bronchodilation. Diamond L, et al.

Peptides (Fayetteville) 1982 Jan-Feb;3(1):27-9

Intrathecal substance P and somatostatin in rats: behaviors indicative of sensation. Seybold VS, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):49-54

Mini review: smooth muscle pharmacology of substance P. Couture R, et al. **Pharmacology** 1982 Jan;24(1):1-25 (66 ref.)

Substance P protects from acute toxicity of acetylcholine in mice. Krause W, et al. **Pharmazie** 1982 Mar;37(3):226-7

Action of substance P and an analogue on blood pressure and avoidance learning in rats with spontaneous hypertension (SHR). Oehme P, et al. **Pharmazie** 1981; 36(7):502-5

Use of substance P fragments to differentiate substance P receptors of different tissues. Piercey MF, et al. **Regul Pept** 1982 May;3(5-6):337-49

Neurotensin and substance P: differential effects on plasma cholesterol levels in conscious ovariectomized rats. Raju K, et al. **Regul Pept** 1981 Aug;2(4):265-74

Substance P counteracts neurotoxin damage on norepinephrine neurons in rat brain during ontogeny. Jonsson G, et al. **Science** 1982 Jan 1;215(4528):75-7

[Effects of substance P for cardiovascular system (author's transl)] Lu DZ. **Sheng Li Ko Hsueh Chin Chan** 1982 Jan; 13(1):89-90 **(Chi)**

[Effect of substance P and substance P fragments on the pain threshold in mice] Görne RC, et al. **Pharmazie** 1982 Apr; 37(4):299-300 **(Ger)**

[Duration of the normalizing effect of substance P in disturbances of the learning process after long-term exposure to noise] Hecht K, et al. **Pharmazie** 1981 Dec; 36(12):859-60 **(Ger)**

[Differences in activity between substance P and substance P-heptapeptide as studied on the phenomenon of 'gut dependence' in rats (author's transl)] Nieber K, et al. **Pharmazie** 1982 May;37(5):368-9 (Eng. Abstr.) **(Ger)**

[Effect of substance P on hypokinesis-induced blood pressure changes in the rat] Roske I, et al. **Pharmazie** 1982 Apr; 37(4):303-4 **(Ger)**

[The effect of substance P on the regeneration of nerve fibres in vitro (author's transl)] Lindner G, et al. **Z Mikrosk Anat Forsch** 1981;95(3):390-4 (Eng. Abstr.) **(Ger)**

[Effect of substance P on the ganglion trigeminale in tissue culture (author's transl)] Lindner G, et al. **Z Mikrosk Anat Forsch** 1981;95(4):607-16 (Eng. Abstr.) **(Ger)**

[Effect of substance P on the mesenteric microcirculation system] Gorizontova MP, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):515-7 (Eng. Abstr.) **(Rus)**

[Comparative study of substance P and its fragments: analgesic properties, effect on behavior and monoaminergic processes] Klusha VE, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):692-4 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the effect of bradykinin, substance P and histamine on the permeability of the mesenteric microvessels] Ignat'eva IR, et al. **Patol Fiziol Eksp Ter** 1982 Mar-Apr;(2):38-42 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence suggesting a role for substance P in central respiratory regulation in the rat. Hedner T, et al. **Acta Physiol Scand** 1981 Aug;112(4):487-9

Depletion of primary afferent substance P by capsaicin and dihydrocapsaicin without altered thermal sensitivity in rats. Buck SH, et al. **Brain Res** 1982 Feb 4;233(1):216-20

Two types of substance P-containing cells and their uneven distribution in the chicken retina: an immunohistochemical analysis with flat-mounts. Ishimoto I, et al. **Brain Res** 1982 May 20;240(1):171-4

Substance P: its distribution, pharmacological actions and possible physiological role in sensory neurons. Pernow B. **Clin Physiol** 1981 Jun;1(3):235-51

Indirect evidence for the inhibition of enteric substance P neurones by opiate agonists but not by capsaicin. Barthó L, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):273-9

Substance P, but not TRH, modulates the 5-HT autoreceptor in ventral lumbar spinal cord. Mitchell R, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):119-20

Sensory neural mechanisms in contraction of the isolated sphincter pupillae: the role for substance P and the effects of sensory denervation on the responses to miotics. Zhang SQ, et al. **Exp Eye Res** 1982 Jul;35(1):43-54

Acetylcholine and substance P: action via distinct receptors on carp retinal ganglion cells. Glickman RD, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):804-8

Fifty years of substance P [news] Jessell TM. **Nature** 1982 Feb 18;295(5850):551-3

The dual-system hypothesis of pain perception. Gillman MA, et al. **Neurol Res** 1981;3(4):317-27

Activation by stress of the habenulo-interpeduncular substance P neurons in the rat. Lisoprawski A, et al. **Neurosci Lett** 1981 Aug 7;25(1):47-51

Effects of antibodies against nerve growth factor on the postnatal development of substance P-containing sensory neurons. Mayer N, et al. **Neurosci Lett** 1982 Mar 17; 29(1):47-52

Peptidergic innervation of the mammalian sinus nodes: vasoactive intestinal polypeptide, neurotensin, substance P. Weihe E, et al. **Neurosci Lett** 1981 Nov 4;26(3):283-8

The effects of capsaicin pre-treatment on the responses of single neurones to sensory stimuli in the trigeminal nucleus caudalis of the rat: evidence against a role for substance P as the neurotransmitter serving thermal nociception. Salt TE, et al. **Neuroscience** 1982 May;7(5):1141-8

Similarities in development of substance P and somatostatin in peripheral sensory neurons: effects of capsaicin and nerve growth factor. Kessler JA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4644-7

Substance P-immunoreactive peripheral branches of sensory neurons innervate guinea pig sympathetic neurons. Matthews MR, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1668-72

Substance P: a putative sensory transmitter in mammalian autonomic ganglia. Jiang Z, et al. **Science** 1982 Aug 20; 217(4561):739-41

Sensory and motor functions of spinal cord substance P. Piercey MF, et al. **Science** 1981 Dec 18;214(4527):1361-3

[On the role of substance P in thermoregulation of normotensive and spontaneously hypertensive rats (author's transl)] Richter R, et al. **Pharmazie** 1982 Feb;37(2):134-6 (Eng. Abstr.) **(Ger)**

[Substance P - an old neuropeptide in new significant positions] Lindell B. **Lakartidningen** 1982 Mar 3;79(9):750-7 **(Swe)**

SECRETION

Evidence that the contractile response of the guinea-pig ileum to capsaicin is due to substance P release. Chahl LA. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):212-5

Effect of capsaicin pretreatment on capsaicin-evoked release of immunoreactive somatostatin and substance P from primary sensory neurons. Gamse R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):38-41

Lack of effect of baclofen on substance P and somatostatin release from the spinal cord in vitro. Sawynok J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):78-81

Neurotensin and substance P and dumping syndrome. Ito S, et al. **Tohoku J Exp Med** 1981 Sep;135(1):11-21

SUBSTANCE USE DISORDERS

Punk rocker's lung: pulmonary fibrosis in a drug snorting fire-eater. Buchanan DR, et al. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1661

COMPLICATIONS

Status epilepticus caused by solvent abuse. Allister C, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1156

Renal damage and glue sniffing [letter] Hamilton DV, et al. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):117

Reversible renal damage due to glue sniffing [letter] King MD. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):919

A case of drowning whilst swimming after thinner-sniffing. Kojima T, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):7-9

Encephalopathy secondary to abusive gasoline inhalation. Prockop LD, et al. **J Fla Med Assoc** 1981 Oct;68(10):823-4

Renal failure from 'glue sniffing'. Russ G, et al. **Med J Aust** 1981 Aug 8;2(3):121-2

[Peripheral neuropathy due to N-hexane in a drug addict (author's transl)] Chauplannaz G, et al. **Rev Neurol (Paris)** 1982;138(3):249-51 (Eng. Abstr.) **(Fre)**

OCCURRENCE

The drug use profile (DUP): an instrument for clinical and research evaluations for drug use patterns. Khavari KA, et al. **Drug Alcohol Depend** 1981 Sep;8(2):119-30

PHYSIOPATHOLOGY

Cerebellar dysfunction caused by sniffing of toluene-containing thinner. Takeuchi Y, et al. **Ind Health** 1981;19(3):163-9

PSYCHOLOGY

Psychological correlates of solvent abuse. Woolfson RC. **Br J Med Psychol** 1982 Mar;55(Pt 1):63-6

Survival orientation and the drug use experiences of a sample of inner city junior high school youths. Dembo R, et al. **Int J Addict** 1981 Aug;16(6):1031-47

The single drug user and his audience. Dinai A, et al. **Int J Addict** 1981 Aug;16(6):1003-8

Organic lead encephalopathy: behavioral change and movement disorder following gasoline inhalation. Goldings AS, et al. **J Clin Psychiatry** 1982 Feb;43(2):70-2

Neuropsychological effects of abuse of inhalants. Korman M, et al. **Percept Mot Skills** 1981 Oct;53(2):547-53

Abuse of inhalants: motivation and consequences. Matthews RW, et al. **Psychol Rep** 1981 Oct;49(2):519-26

Psychotherapeutic examination of patients with suspected chronic solvent intoxication. An overview. Lindberg N, et al. **Psychother Psychosom** 1982;37(1):36-63

[Case contribution on juvenile gasoline inhalation] Klepel H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Aug; 33(8):464-7 **(Ger)**

REHABILITATION

Treating substance-use disorders among physicians. Herrington RE, et al. **JAMA** 1982 Apr 23;247(16):2253-7

THERAPY

Glue sniffing. Background features and treatment by aversion methods and group therapy. Lowenstein LF. **Practitioner** 1982 Jun;226(1368):1113-6

SUBSTANCE WITHDRAWAL SYNDROME

The post-pill secondary amenorrhea: etiology and treatment. Del Olmo J, et al. **Acta Eur Fertil** 1981 Jun;12(2):133-9

Lithium withdrawal triggers psychotic states [letter] Klein HE, et al. **Br J Psychiatry** 1981 Sep;139:255-6

Alcohol dependence and withdrawal. Shaw GK. **Br Med Bull** 1982 Jan;38(1):99-102

Neonatal convulsions caused by withdrawal from maternal clomipramine. Cowe L, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1837-8

More on lorazepam withdrawal [letter] Barton DF. **Drug Intell Clin Pharm** 1981 Feb;15(2):134

Tolfenamic acid and ergotamine abuse. Ala-Hurula V, et al. **Headache** 1981 Nov;21(6):240-2

Neuroleptic-induced supersensitivity psychosis, the 'hump course,' and tardive dyskinesia [letter] Chovinard G, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):143-4

Differential effect of environmental temperature on morphine physical dependence and abstinence. Beckman AL, et al. **Life Sci** 1982 Mar 22;30(12):1013-20

Gastrointestinal bleeding after abrupt cessation of propranolol administration in cirrhosis [letter] Lebrec D, et al. **N Engl J Med** 1982 Aug 26;307(9):560

Self-administration of nalbuphine, butorphanol and pentazocine by morphine post-addict rats. Steinfels GF, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):167-71

The pharmacology of nicotine dependence: a working hypothesis. Balfour DJ. **Pharmacol Ther** 1981;15(2):239-50 (57 ref.)

Nonspecific excitatory effects of morphine: reverse-order precipitated withdrawal and dose-dose interactions. Stevens DR, et al. **Psychopharmacology (Berlin)** 1981; 75(2):210-1

Abrupt discontinuation of antihypertensive therapy. Houston MC. **South Med J** 1981 Sep;74(9):1112-23

Acute irreversible rejection after withdrawal of azathioprine in renal allograft recipients. Shiramizu T, et al. **Tokai J Exp Clin Med** 1981 Jul;6(3):315-9

[Neonates of mothers addicted to heroin; an 11-year survey at the Wilhelmina Gasthuis in Amsterdam] Soepatmi S. **Ned Tijdschr Geneeskd** 1982 Feb 20;126(8):321-5 (Eng. Abstr.) **(Dut)**

[Side effects of benzodiazepines: 'rebound' anxiety and insomnia] Pesce A, et al. **Clin Ter** 1981 Dec 15;99(5):461-70 (32 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

LH, FSH, estradiol and progesterone levels after discontinuation of hormonal contraception. Balogh A, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:95-101

Levels of red blood cell choline after discontinuation of lithium therapy. Domino EF, et al. **Am J Psychiatry** 1982 May;139(5):681-2

Effects of caffeine withdrawal on isoproterenol-stimulated cyclic adenosine monophosphate. Mackenzie TB, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):436-8

Insulin effect in chronic alcoholics during alcohol withdrawal. Adner N, et al. **Diabetologia** 1982 Mar; 22(3):215-6

Enhanced ratio of linoleic acid to arachidonic acid in erythrocyte phosphatidylcholine in rats during withdrawal from ethanol. Rao GA, et al. **Toxicol Lett** 1980 Nov; 7(1):37-40

[Effect of alcohol on serum thyrotropin concentration of rats predisposed and unpredisposed to alcohol] Borisenko SA, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):26-8 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

CSF-endorphins in heroin addicts during methadone maintenance and during withdrawal. Holmstrand J, et al. **Pharmacopsychiatria** 1981 Jul;14(4):126-8

CHEMICALLY INDUCED

Use of the specific benzodiazepine antagonist, Ro 15-1788, in studies of physiological dependence on benzodiazepines. Cumin R, et al. **Experientia** 1982 Jul 15;38(7):833-4

Withdrawal symptoms in morphine-dependent rats intracerebroventricularly injected with ACTH1-24 and with beta-MSH. Bertolini A, et al. **Life Sci** 1981 Jul 20; 29(3):249-52

Precipitated withdrawal by a benzodiazepine receptor antagonist (Ro 15-1788) after 7 days of diazepam. Lukas SE, et al. **Science** 1982 Sep 17;217(4565):1161-3

COMPLICATIONS

The fallacy of the postpill amenorrhea syndrome. Archer DF, et al. **Clin Obstet Gynecol** 1981 Sep;24(3):943-50 (56 ref.)

Lethargy, anxiety, and impotence in a diabetic. Cobbs LW. **Hosp Pract** 1982 Aug;17(8):67, 70, 73

[Night sleep in patients with the alcohol abstinence syndrome against a background of detoxification therapy] Danilin VP, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1711–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The Neonatal Narcotic Withdrawal Index: a device for the improvement of care in the abstinence syndrome. Green M, et al. **Am J Drug Alcohol Abuse** 1981;8(2):203–13

Benzodiazepine dependence. Petursson H, et al. **Br J Addict** 1981;76(2):133–45 (107 ref.)

Measurement of alcohol withdrawal in detoxification centre patients. Makanjuola JD, et al. **Br J Psychiatry** 1982 May; 140:523–5

Onset of pheochromocytoma syndrome following cessation of cimetidine administration. Faryna A. **Heart Lung** 1982 May–Jun;11(3):213–5

Withdrawal and pseudowithdrawal from diazepam therapy. Winokur A, et al. **J Clin Psychiatry** 1981 Nov;42(11):442–4

Development of alcohol withdrawal by voluntary alcohol intake in tumour-bearing mice. Komura S, et al. **Med Biol** 1982 Jun;60(3):155–8

Electromyographic assessment of neonatal muscle tone. Marcus J, et al. **Psychiatry Res** 1982 Feb;6(1):31–40

Long-term psychotropic drug-taking and the process of withdrawal. Murray J. **Psychol Med** 1981 Nov;11(4):853–8

Identification and management of distress in chemically dependent patients. Michaelson J, et al. **QRB** 1982 Jan; 8(1):20–3

[Experimental study of the "rebound syndrome' following discontinuation of prolonged phenazepam administration and possibilities for preventing it] Voronina TA, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1056–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

A double-blind comparison of carbamazepine and clomethiazole in the treatment of alcohol withdrawal syndrome. Ritola E, et al. **Acta Psychiatr Scand** 1981 Sep; 64(3):254–9

Alcoholism: withdrawal — considerations for the pharmacist. Russo J Jr. **Am Pharm** 1982 Apr;22(4):32–4

The clinical use of clonidine in abrupt withdrawal from methadone. Effects on blood pressure and specific signs and symptoms. Charney DS, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1273–7

Clonidine in opiate withdrawal. Gold MS, et al. **Curr Psychiatr Ther** 1981;20:285–91

Efficacy of clonidine in opiate withdrawal: a study of thirty patients. Gold MS, et al. **Drug Alcohol Depend** 1980 Oct; 6(4):201–8

Opiate detoxification with lofexidine. Gold MS, et al. **Drug Alcohol Depend** 1981 Dec;8(4):307–15

Clonidine suppression of the alcohol withdrawal syndrome. Walinder J, et al. **Drug Alcohol Depend** 1981 Dec;8(4):345–8

Initial methadone dose in treating opiate addiction. Wang RI, et al. **Int J Addict** 1982 Feb;17(2):357–63

Treatment of acute alcohol withdrawal syndrome with carbamazepine: a double-blind comparison with tiapride. Agricola R, et al. **J Int Med Res** 1982;10(3):160–5

Clonidine in neonatal narcotic-abstinence syndrome [letter] Hoder EL, et al. **N Engl J Med** 1981 Nov 19;305(21):1284

Clonidine for opiate withdrawal in the chronic pain patient. Bakris GL. **Postgrad Med** 1982 Mar;71(3):240–1

How clonidine works in easing opiate withdrawal [letter] Trommer PR. **Postgrad Med** 1982 May;71(5):44

Spinal sympathetic neurons: possible sites of opiate-withdrawal suppression by clonidine. Franz DN, et al. **Science** 1982 Mar 26;215(4540):1643–5

[Clonidine (Catapressan) prescription for substance abusers (letter)] Hjelt K. **Ugeskr Laeger** 1981 May 24;143(21):1366 **(Dan)**

[Effects of clonidine on opiate withdrawal symptoms. Results – biochemical mechanisms (author's transl)] Girard M, et al. **Encephale** 1982;8(1):37–48 (Eng. Abstr.) **(Fre)**

[Tiapride in detoxication of chronic alcoholics (author's transl)] Bourasset G. **Sem Hop Paris** 1981 Dec 8–15; 57(45–46):1936–7 (Eng. Abstr.) **(Fre)**

[Clonidine in opiate withdrawal. III. Pros and cons of administration] Keup W. **MMW** 1982 Feb 19;124(7):156–8 **(Ger)**

[Clonidine in opiate withdrawal. II. Potential side-effects] Keup W. **MMW** 1982 Feb 19;124(7):153–5 **(Ger)**

[Clonidine in opiate withdrawal. I. Principles of application (author's transl)] Keup W. **MMW** 1982 Feb 19; 124(7):148–52 (Eng. Abstr.) **(Ger)**

[Effect of psychotropic drugs on sleep disorders in rats during alcohol withdrawal] Burov IuV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):689–91 (Eng. Abstr.) **(Rus)**

[GABA preparations, alcohol dependence, and the abstinence syndrome in rats] Borisov MM, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):291–3 **(Rus)**

ENZYMOLOGY

Markedly elevated creatine phosphokinase levels after neuroleptic withdrawal. Malas KL, et al. **Am J Psychiatry** 1982 Feb;139(2):231–2

ETIOLOGY

Mania as a phenomenon of lithium withdrawal. Vinař O. **Act Nerv Super (Praha)** 1981 Dec;23(4):282–3

Abrupt lithium discontinuation in manic-depressive patients. Christodoulou GN, et al. **Acta Psychiatr Scand** 1982 May; 65(5):310–4

A controlled trial of diazepam withdrawal in chronically anxious outpatients. Laughren TP, et al. **Acta Psychiatr Scand** 1982 Mar;65(3):171–9

A depot neuroleptic withdrawal study. A controlled study of the clinical effects of the withdrawal of depot fluphenazine decanoate and depot flupenthixol decanoate in chronic schizophrenic patients. Wistedt B. **Acta Psychiatr Scand** 1981 Jul;64(1):65–84

Comparison of withdrawal phenomena after propranolol, metoprolol, and pindolol. Rangno RE, et al. **Am Heart J** 1982 Aug;104(2 Pt 2):473–8

Withdrawal of beta-blocking drugs. Walden RJ, et al. **Am Heart J** 1982 Aug;104(2 Pt 2):515–20

Hemodynamic and hormonal responses during captopril therapy for heart failure: acute, chronic and withdrawal studies. Nicholls MG, et al. **Am J Cardiol** 1982 Apr 21; 49(6):1497–501

Neonatal withdrawal symptoms associated with 'T's and blues' (pentazocine and tripelennamine). Dunn DW, et al. **Am J Dis Child** 1982 Jul;136(7):644–5

Apnea associated with theophylline withdrawal in a term neonate. Horowitz DA, et al. **Am J Dis Child** 1982 Jan; 136(1):73–4

Difference between benzodiazepines [letter] Bennett BM. **Am J Nurs** 1982 Sep;82(9):1366–9

Neonatal withdrawal from intrauterine exposure to butalbital. Ostrea EM Jr. **Am J Obstet Gynecol** 1982 Jul 1;143(5):597–8

Psychosis associated with clonidine withdrawal. Adler LE, et al. **Am J Psychiatry** 1982 Jan;139(1):110–2

Confusional paranoid psychosis after withdrawal from sympathomimetic amines: two case reports. Deveaugh-Geiss J, et al. **Am J Psychiatry** 1982 Sep; 139(9):1190–1

Adverse effects of antiparkinson drug withdrawal. Jellinek T, et al. **Am J Psychiatry** 1981 Dec;138(12):1567–71

Factors relating to the beta blocker withdrawal syndrome. Henderson A, et al. **Ann Acad Med Singapore** 1981 Oct; 10(4 Suppl):25–8

Opiate receptor involvement in the quasi-morphine withdrawal syndrome induced by acute injection of R 18 503. Ashton D, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):148–50

Dipropylacetate-induced quasi-morphine abstinence behaviour in the rat: involvement of amygdaloid and thalamic structures. van der Laan JW, et al. **Brain Res** 1981 Dec 14;229(1):133–46

Symptoms of withdrawal from tricyclic antidepressants [letter] Agbayewa MO. **Can Med Assoc J** 1981 Sep 1; 125(5):420, 422

Diazepam withdrawal seizures. Robinson GM, et al. **Can Med Assoc J** 1982 Apr 15;126(8):944–5

Lack of beta-adrenoreceptor hypersensitivity after abrupt withdrawal of long-term therapy with oxprenolol. Bolli P, et al. **Circulation** 1981 Dec;64(6):1130–4

Haemodynamic effects of withdrawal of long-term treatment with beta-adrenoceptor blocking agents in subjects with essential hypertension. Bengtsson C, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):421s–423s

Antihypertensive effect of guanfacine: long-term 'once-a-day' treatment and sudden withdrawal. Szám I, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):469s–471s

Urinary catecholamines, plasma renin activity and blood pressure in newborns: effects of narcotic withdrawal. Dube SK, et al. **Dev Pharmacol Ther** 1981;3(2):83–7

Relationship of thyroid hormone levels to the severity of the narcotic withdrawal syndrome. Rosenfeld W, et al. **Dev Pharmacol Ther** 1981;3(4):197–204

Withdrawal syndromes following cessation of treatment with antihypertensive drugs. Parker M, et al. **Gen Pharmacol** 1982;13(2):79–85 (84 ref.)

Reserpine withdrawal psychosis: the possible role of denervation supersensitivity of receptors. Kent TA, et al. **J Nerv Ment Dis** 1982 Aug;170(8):502–4

Withdrawal akinesia [letter] Inoue F, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):958

Sinus bradycardia following ritodrine withdrawal [letter] Dean H, et al. **JAMA** 1982 Apr 2;247(13):1810

Convulsions after abrupt withdrawal of baclofen [letter] Barker I, et al. **Lancet** 1982 Sep 4;2(8297):556–7

Physical dependence on physiologically released endogenous opiates. Christie MJ, et al. **Life Sci** 1982 Apr 5; 30(14):1173–7

Oxazepam withdrawal syndrome [letter] **Med J Aust** 1982 Apr 3;1(7):287–8

Oxazepam withdrawal syndrome [letter] Dobbie JA. **Med J Aust** 1982 Jun 26;1(13):545

Effects of withdrawal from long-term barbital treatment on open-field behaviour and seizure susceptibility of rats. Palermo-Neto J, et al. **Neuropharmacology** 1982 Mar; 21(3):277–81

Neonatal manifestations of maternal phencyclidine (PCP) abuse. Strauss AA, et al. **Pediatrics** 1981 Oct;68(4):550–2

Alcohol withdrawal reactions after chronic intake of chlordiazepoxide and ethanol. Chan AW, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):185–9

Withdrawal-like symptoms in young and adult rats maternally exposed to methadone. Zagon IS, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):887–94

Saturday conference: steroid withdrawal syndromes. Sullivan JN. **South Med J** 1982 Jun;75(6):726–33 (55 ref.)

[Topographical distribution of slow sleep rhythms in children withdrawn from barbiturates (author's transl)] Findji F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):218–27 (Eng. Abstr.) **(Fre)**

[Drug withdrawal syndrome in the neonate] Amato M, et al. **Schweiz Med Wochenschr** 1982 Mar 27;112(13):442–3 (Eng. Abstr.) **(Ger)**

[Newborn infants of drug-addicted mothers. Review of the literature and report of personal cases] Menchini M, et al. **Pediatr Med Chir** 1982 Jan–Apr;4(1–2):119–25 (Eng. Abstr.) **(Ita)**

[Treatment with continuous transpulmonary pressure and with intermittent positive pressure respiration, through nasal cannulas, of a newborn girl with the narcotic withdrawal syndrome and apnea crisis] Paludetto R, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):17–24 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Morphine withdrawal in mice selectively bred for differential sensitivity to ethanol. Horowitz GP, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):35–9

HISTORY

The treatment of narcotic withdrawal: a historical review. Kleber HD, et al. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):30–4

METABOLISM

Effect of ethanol and ethanol withdrawal on 3H-muscimol binding and behaviour in the rat: a pilot study. Linnoila M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov; 49(5):407–11

The role of liver tryptophan pyrrolase in the opposite effects of chronic administration and subsequent withdrawal of drugs of dependence on rat brain tryptophan metabolism. Badawy AA, et al. **Biochem J** 1981 Apr 15;196(1):161–70

Ethanol-withdrawal syndrome associated with both general and localized increases in glucose uptake in rat brain. Campbell GA, et al. **Brain Res** 1982 Apr 15;237(2):517–22

Changes in in vivo rates of protein synthesis on free and membrane-bound polysomes in rat brain during the development of physical dependence on ethanol and after the withdrawal of ethanol. Peters JE, et al. **Brain Res** 1982 Jan 14;231(2):411–26

A possible role of the parasympathetic system in the alcohol withdrawal syndrome. Ochillo RF, et al. **Drug Alcohol Depend** 1980 Oct;6(4):215–7

Clonidine suppression of noradrenergic hyperactivity during morphine withdrawal by clonidine: biochemical studies in rodents and primates. Roth RH, et al. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):42–6

Differential effects of morphine withdrawal on cerebral beta 1- and beta 2-adrenergic receptors. Kuriyama K, et al. **J Neurosci Res** 1981;6(6):749–55

Participant of serotonin turnover rate in the brain on barbital withdrawal convulsion. Tagashira E, et al. **Jpn J Pharmacol** 1982 Feb;32(1):159–67

Brain water during alcohol withdrawal [letter] Eisenhofer G, et al. **Lancet** 1982 Jan 2;1(8262):50

Effects of morphine dependence, withdrawal and tolerance on prolactin and growth hormone secretion in the rat. Mioduszewski R, et al. **Life Sci** 1982 Apr 19;30(16):1343–8

Effect of ethanol administration and withdrawal on benzodiazepine receptor binding in the rat brain. Volicer L, et al. **Neuropharmacology** 1982 Mar;21(3):283–6

Adrenal catecholamines in rats after severe ethanol intoxication and acute withdrawal. Adams MA, et al. **Pharmacol Biochem Behav** 1982 May;16(5):719–24

Regional cerebral glucose utilization during morphine withdrawal in the rat. Wooten GF, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3360–4

Brain gabaergic and dopaminergic systems following lithium treatment and withdrawal. Ahluwalia P, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):527–30

[Changes in hepatic tryptophan pyrrolase activity and plasma 11-hydroxycorticosteroid levels in rats after single and protracted alcohol administration and withdrawal] Kiseleva IP, et al. **Farmakol Toksikol** 1981 May–Jun; 44(3):319–22 (Eng. Abstr.) **(Rus)**

NURSING

Development of optimal treatment tactics for alcohol withdrawal. I. Assessment and effectiveness of supportive care. Shaw JM, et al. **J Clin Psychopharmacol** 1981 Nov; 1(6):382–7

OCCURRENCE

Polydrug- and methadone-addicted newborns: a continuum of impairment? Chasnoff IJ, et al. **Pediatrics** 1982 Aug; 70(2):210–3

PATHOLOGY

[Liver tumours in pregnancy, following previous intake of hormonal contraceptives (author's transl)] Pietsch P, et al. **Zentralbl Gynakol** 1981;103(13):772–80 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Cerebral blood flow and cerebral metabolic state during abstinence following ethanol intoxication in rat. Hemmingsen R, et al. **Acta Neurol Scand [Suppl]** 1980; 78:157–66

Effect of cholinergic drugs on acute and chronic morphine dependence. Padmanabha Pillai N, et al. **Arch Int Pharmacodyn Ther** 1982 May;257(1):146–54

Withdrawal syndromes and the cessation of antihypertensive therapy [letter] Lilja M, et al. **Arch Intern Med** 1982 Apr; 142(4):839–40

The withdrawal of centrally acting antihypertensives in dogs. Clough DP, et al. **Arzneimittelforsch** 1981;31(11):1878–80

The syndrome associated with the withdrawal of beta-adrenergic receptor blocking drugs. Prichard BN, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):337S–343S (47 ref.)

Comparison of withdrawal phenomena after propranolol, metoprolol and pindolol. Rangno RE, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):345S–351S

Abrupt withdrawal of pindolol or metoprolol after chronic therapy. Szécsi E, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):353S–357S

The effect of intrinsic sympathomimetic activity on beta-receptor responsiveness after beta-adrenoceptor blockade withdrawal. Walden RJ, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):359S–364S

Withdrawal of long-term therapy with atenolol in hypertensive patients. Webster J, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):211–4

Noninvasive cardiac evaluation in chronic alcoholic patients with alcohol withdrawal syndrome. Ballas M, et al. **Chest** 1982 Aug;82(2):148–53

Central aminergic mechanisms associated with the clonidine withdrawal syndrome. Lewis SJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):489–95

Platelet hyperaggregability during alcohol withdrawal. Hutton RA, et al. **Clin Lab Haematol** 1981;3(3):223–9

Cardiac hyper- and hyporesponsiveness after pindolol withdrawal. Rangno RE, et al. **Clin Pharmacol Ther** 1982 May;31(5):564–71

Physiological action tremor: a basis for understanding alcohol withdrawal tremor. Burgstahler SA, et al. **Curr Alcohol** 1981;8:79–84

EEG differences between male alcoholics in withdrawal and those stabilized in treatment. Coger RW, et al. **Curr Alcohol** 1981;8:85–96

Acute heroin abstinence in man. III. Effect upon waking and slow wave sleep. Howe RC, et al. **Drug Alcohol Depend** 1980 Oct;6(4):247–62

A comparison of circulatory responsiveness following the sudden withdrawal from atenolol and propranolol. Schwartz J, et al. **Eur Heart J** 1981 Feb;2(1):31–9

Withdrawal from chronic treatment with metergoline, dl-propranolol and amitriptyline enhances serotonin receptor mediated behaviour in the rat. Stolz JF, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):17–22

The clonidine withdrawal syndrome. Its reproduction and evaluation in laboratory animal models. Thoolen MJ, et al. **Gen Pharmacol** 1981;12(5):303–8 (40 ref.)

Drinking by alcoholic patients following hospital admission. Brown RA, et al. **Int J Addict** 1981 Dec;16(8):1509–14

Involvement of central noradrenergic mechanisms in the rebound hypertension following clonidine withdrawal. Augustine SJ, et al. **J Cardiovasc Pharmacol** 1982 May–Jun; 4(3):449–55

Myocardial sensitivity to isoproterenol following abrupt propranolol withdrawal in conscious dogs. Webb JG, et al. **J Cardiovasc Pharmacol** 1981 May–Jun;3(3):622–35

Abrupt withdrawal of chronic beta-blockade: adaptive changes in cyclic AMP and contractility. Manning AS, et al. **J Mol Cell Cardiol** 1981 Nov;13(11):999–1009

Withdrawal syndrome after continuous infusion of clonidine in the normotensive rat. Thoolen MJ, et al. **J Pharm Pharmacol** 1981 Apr;33(4):232–5

The influence of continuous infusion and sudden withdrawal of azepexole (B-HT 933) on blood pressure and heart rate in the spontaneously hypertensive and normotensive rat. Suppression of the withdrawal responses by morphine. Thoolen MJ, et al. **J Pharmacol Exp Ther** 1981 Dec; 219(3):786–91

Enhancement of drug withdrawal convulsion by combinations of phenobarbital and antipsychotic agents. Tagashira E, et al. **Jpn J Pharmacol** 1981 Oct;31(5):689–99

Nuclear magnetic resonance observations in alcoholic cerebral disorder and the role of vasopressin. Besson JA, et al. **Lancet** 1981 Oct 24;2(8252):923–4

Abstinence symptoms after withdrawal of tranquillising drugs: is there a common neurochemical mechanism? Cowen PJ, et al. **Lancet** 1982 Aug 14;2(8294):360–2

Haemodynamic, hormonal, and electrolyte responses to withdrawal of long-term captopril treatment for heart failure. Maslowski AH, et al. **Lancet** 1981 Oct 31; 2(8253):959–61

Clonidine withdrawal: activation of brain noradrenergic neurons with specifically reduced alpha 2-receptor sensitivity. Engberg G, et al. **Life Sci** 1982 Jan 18; 30(3):235–43

Guanfacine and clonidine: antihypertensive and withdrawal characteristics after continuous infusion and its interruption in the spontaneously hypertensive and normotensive rat. Thoolen MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):82–6

Behavioural changes during withdrawal from desmethylimipramine (DMI). I. Interactions with amphetamine. Willner P, et al. **Psychopharmacology (Berlin)** 1981;75(1):54–9

Digoxin withdrawal in patients with sinus rhythm [letter] Reitz CJ. **S Afr Med J** 1981 Oct 10;60(15):570

Handling induced convulsions in twenty inbred strains of mice. Crabbe JC, et al. **Subst Alcohol Actions Misuse** 1980; 1(2):159–63

[Withdrawal syndrome following beta blocker therapy (author's transl)] Hausen T. **MMW** 1981 Oct 16; 123(42):1583–4 (Eng. Abstr.) **(Ger)**

[Steroid withdrawal syndrome. A current problem of outpatient medicine] Studer H, et al. **Schweiz Med Wochenschr** 1981 Oct 3;111(40):1462–7 (Eng. Abstr.) **(Ger)**

[Effect of chronic administration of lithium chloride on the development of dopamine receptor sensitivity during morphine withdrawal in rats] Allikmets LKh, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):571–2 (Eng. Abstr.) **(Rus)**

[Effect of chronic alcohol intoxication, termination of ethanol administration, and treatment of abstinence with glutamine and riboflavin on neuromediatory systems of gamma-aminobutyric acid and acetylcholine in the rat brain] Bobrova NP, et al. **Vopr Med Khim** 1982 Jan–Feb; 28(1):103–6 **(Rus)**

PREVENTION & CONTROL

Prevention of propranolol withdrawal mechanism by prolonged small dose propranolol schedule. Rangno RE, et al. **Am J Cardiol** 1982 Mar;49(4):828–33

Abrupt versus gradual withdrawal of antiparkinsonians [letter] Weiner WJ. **Am J Psychiatry** 1982 Feb;139(2):256–7

Metoprolol withdrawal phenomena: mechanism and prevention. Rangno RE, et al. **Clin Pharmacol Ther** 1982 Jan;31(1):8–15

Use of labetalol in hypertensive patients during discontinuation of clonidine therapy. Rosenthal T, et al. **Eur J Clin Pharmacol** 1981;20(4):237–40

Effectiveness of nantradol in blocking narcotic withdrawal signs through nonnarcotic mechanisms. Lal H, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):361S–366S

Sedative-hypnotic tolerance testing and withdrawal comparing diazepam to barbiturates. Perry PJ, et al. **J Clin Psychopharmacol** 1981 Sep;1(5):289–96

Alcohol withdrawal syndrome: prevention and treatment. Everett G. **J Iowa Med Soc** 1981 Oct;71(10):428–30

Cigarette smoking, nicotine addiction, and relaxation. Silverstein B. **J Pers Soc Psychol** 1982 May;42(5):946–50

Effects of brain biogenic amines on ethanol withdrawal reactions and the development of ethanol dependence in mice. Yamanaka Y. **Jpn J Pharmacol** 1982 Jun; 32(3):499–508

Abatement by acetate of an ethanol withdrawal syndrome. Derr RF, et al. **Life Sci** 1981 Oct 26;29(17):1787–90

Comparison of opioid agonists in maintaining responding and in suppressing morphine withdrawal in rhesus monkeys. Young AM, et al. **Psychopharmacology (Berlin)** 1981; 74(4):329–35

Clonidine and naloxone-induced opiate withdrawal: a comparison between clonidine and morphine in man. Fantozzi R, et al. **Subst Alcohol Actions Misuse** 1980; 1(4):369–73

Clonidine decreases opiate withdrawal-related anxiety: possible opiate noradrenergic interaction in anxiety and panic. Gold MS, et al. **Subst Alcohol Actions Misuse** 1980; 1(2):239–46

Effects of sodium dipropylacetate on the ethanol withdrawal syndrome in rats. Le Bourhis B, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):527–35

[The physician and drug dependence in Italy today. (Introduction to a round table)] Cocchi R. **Minerva Med** 1982 Mar 31;73(13):699–701 (Eng. Abstr.) **(Ita)**

[Suppression of the opiate withdrawal syndrome with GABA analogs, low-dose psychotropic drugs and acupuncture] Lorini G, et al. **Minerva Med** 1982 Mar 31;73(13):707–10 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

New street drugs: new dangers. **Am Pharm** 1981 Oct; 21(10):49

The open field: a simple method to show ethanol withdrawal symptoms. Capaz FR, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):228–36

Diazepam dependency and withdrawal. Ayd FJ Jr. **Curr Psychiatr Ther** 1981;20:263–73

A test of Wikler's theory of relapse: the frequency of relapse due to conditioned withdrawal sickness. McAuliffe WE. **Int J Addict** 1982 Jan;17(1):19–33

Benzodiazepine withdrawal phenomena. Hallstrom C, et al. **Int Pharmacopsychiatry** 1981;16(4):235–44

Agoraphobia following amphetamine withdrawal. Djenderedjian A, et al. **J Clin Psychiatry** 1982 Jun; 43(6):248–9

Psychosis in the opioid addicted patient: assessment and treatment. Uhde TW, et al. **J Clin Psychiatry** 1982 Jun; 43(6):240–7

Hyperadrenergic hypomania consequent to the abrupt cessation of clonidine. Tollefson GD. **J Clin Psychopharmacol** 1981 Mar;1(2):93–5

Drug withdrawal in chronic schizophrenic patients: in search of neuroleptic-induced supersensitivity psychosis. Weinberger DR, et al. **J Clin Psychopharmacol** 1981 May; 1(3):120–3

Effects of phenytoin withdrawal on matching to sample and workshop performance of mentally retarded persons. Davis VJ, et al. **J Nerv Ment Dis** 1981 Nov;169(11):718–25

Time-course of the effects of chronic delta 9-tetrahydrocannabinol on behaviour, body temperature, brain amines and withdrawal-like behaviour in the rat. Taylor DA, et al. **J Pharm Pharmacol** 1982 Apr;34(4):240–5

Effect of parachlorophenylalanine on the incidence of abnormal behaviors observed following diazepam withdrawal. Suzuki T, et al. **Prog Neuropsychopharmacol** 1981;5(4):415–7

REHABILITATION

Clonidine: basic and clinical perspectives. Barchas JD, et al. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):47–8

Clonidine: inpatient studies from 1978 to 1981. Gold MS, et al. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):35–8

The primate locus coeruleus and effects of clonidine on opiate withdrawal. Redmond DE Jr, et al. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):25–9

Clinical utility of clonidine in opiate withdrawal: a study of 100 patients. Gold MS, et al. **Prog Clin Biol Res** 1981; 71:299–306

Neuroanatomical sites of action of clonidine in opiate withdrawal: the locus coeruleus connection. Gold MS, et al. **Prog Clin Biol Res** 1981;71:285–98

THERAPY

Management of acute alcohol withdrawal. Maimon WN, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):361–6

Management of the withdrawal syndrome of barbiturates and other central nervous system depressants. Betemps E. **J Psychosoc Nurs Ment Health Serv** 1981 Sep;19(9):31–4

Smoking withdrawal and acupuncture. Fuller JA. **Med J Aust** 1982 Jan 9;1(1):28–9

Narcotic withdrawal in children under intense care therapy. Woo O, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):36–8

[Treatment of acute intoxication and of alcohol withdrawal reaction] Chassé M, et al. **Union Med Can** 1982 Mar; 111(3):229–33 (Eng. Abstr.) **(Fre)**

[Acupuncture in the heroin withdrawal syndrome] Stefani S, et al. **Minerva Med** 1982 Mar 31;73(13):703–6 (Eng. Abstr.) **(Ita)**

[Treatment with continuous transpulmonary pressure and with intermittent positive pressure respiration, through nasal cannulas, of a newborn girl with the narcotic withdrawal syndrome and apnea crisis] Paludetto R, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):17–24 (Eng. Abstr.) **(Ita)**

URINE

Urinary monoamine oxidase inhibitor and benzodiazepine withdrawal. Petursson H, et al. **Br J Psychiatry** 1982 Jan; 140:7–10

SUBSTANTIA GELATINOSA see under **SPINAL CORD**

SUBSTANTIA NIGRA

ANALYSIS

[Dopamine concentration in the nigro-striatal system during elaboration and performance of conditioned avoidance reactions of various complexity in rats] Saul'skaia NB. **Fiziol Zh SSSR** 1981 Jun;67(6):797–803 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

On the use of lesions of afferents to localize neurotransmitter receptor sites in the striatum. Hattori T, et al. **Brain Res** 1982 Apr 22;238(1):245–50

Synaptic connections of substance P-immunoreactive nerve terminals in the substantia nigra of the rat. A correlated light- and electron-microscopic study. Somogyi P, et al. **Cell Tissue Res** 1982;223(3):469–86

Crossed connections of the substantia nigra in the rat. Gerfen CR, et al. **J Comp Neurol** 1982 May 20;207(3):283–303

Ultrastructure and acetylcholinesterase content of neurones forming connections between the striatum and substantia nigra of rat. Henderson Z. **J Comp Neurol** 1981 Apr 1; 197(2):185–96

Electron microscopic evidence for the existence of a corticonigral tract in the cat. Usunoff KG, et al. **J Hirnforsch** 1982;23(1):23–9

Topographical distribution of possible glutamatergic pathways from the frontal cortex to the striatum and substantia nigra in rats. Carter CJ. **Neuropharmacology** 1982 May;21(5):379–83

Differences in localization of substantia nigra vs interaural line in Wistar and Sprague Dawley rats. Skarsfeldt T. **Physiol Behav** 1982 Feb;28(2):279–80

CYTOLOGY

A second type of striatonigral neuron: a comparison between retrogradely labelled and Golgi-stained neurons at the light and electron microscopic levels. Bolam JP, et al. **Neuroscience** 1981;6(11):2141-57

Origin, course and termination of dopaminergic substantia nigra neurons projecting to the amygdaloid complex in the cat. Meibach RC, et al. **Neuroscience** 1981;6(11):2159-71

DRUG EFFECTS

Effects of 1,3-bis(tetrahydro-2-furanyl)-5-fluoro-2,4-pyrimidinedio (FD 1) on the central nervous system: (2) Effects on nigro-striatal dopaminergic neurons. Toide K, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):106-12

Contraversive circling and facilitation of the perioral biting reflex by injection of substance P or D-Ala2-Met-encephalinamide into the substantia nigra. Welzl H, et al. **Behav Neural Biol** 1982 Jan;34(1):104-8

Effects of chronic haloperidol and sulpiride treatment on rat nigral GABA content. Rampello L, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15;57(15):1608-11

Reversible effects of tetanus toxin on striatal-evoked responses and [3H]-gamma-aminobutyric acid release in the rat substantia nigra. Collingridge GL, et al. **Br J Pharmacol** 1982 Jul;76(3):403-11

The behavioural effects of a novel substance P analogue following infusion into the ventral tegmental area or substantia nigra of rat brain. Eison AS, et al. **Brain Res** 1982 Apr 22;238(1):137-52

Further evidence for selective antagonism of taurine by 6-aminomethyl-3-methyl-4H-1,2,4-benzothiadiazine-1,1-Martin GE, et al. **Brain Res** 1981 Dec 21;229(2):530-5

Neuronal responses to iontophoretically applied dopamine, glutamate, and GABA of identified dopaminergic cells in the rat substantia nigra after kainic acid-induced destruction of the striatum. Scarnati E, et al. **Exp Brain Res** 1982;46(3):377-82

Actions of GABAergic agents on dopamine metabolism in the nigrostriatal pathway of the rat. Wood PL. **J Pharmacol Exp Ther** 1982 Sep;222(3):674-9

Regional differences in cofactor saturation of glutamate decarboxylase (GAD) in discrete brain nuclei of the rat. Effect of repeated administration of haloperidol on GAD activity in the substantia nigra. Itoh M, et al. **Neurochem Res** 1981 Dec;6(12):1283-9

Neuropharmacology of the afferent projections from the lateral habenula and substantia nigra to the anterior raphe in the rat. Stern WC, et al. **Neuropharmacology** 1981 Oct; 20(10):979-89

Further evidence for a GABA-like action on kojic amine. Martin GE, et al. **Neurosci Lett** 1981 Nov 18;27(1):37-40

Differential sensitivity of presumed dopaminergic and non-dopaminergic neurones in rat substantia nigra to electrophoretically applied substance P. Pinnock RD, et al. **Neurosci Lett** 1982 Apr 16;29(2):153-8

Depression of nigral pars compacta cell discharge by exogenous acetylcholinesterase. Greenfield SA, et al. **Neuroscience** 1981;6(12):2287-95

Peptide-monoamine coexistence: studies of the actions of cholecystokinin-like peptide on the electrical activity of midbrain dopamine neurons. Skirboll LR, et al. **Neuroscience** 1981;6(11):2111-24

Rotation induced by intranigral phenobarbital: evidence of barbiturate GABAergic activity. McDevitt JT, et al. **Pharmacol Biochem Behav** 1982 May;16(5):737-9

Nigral actions of GABA agonists are enhanced by chronic fluphenazine and differentiated by concomitant flurazepam. Coward DM. **Psychopharmacology (Berlin)** 1982; 76(3):294-8

[Pharmacodynamics of the interaction of neuroleptanalgetics] Karkishchenko NN, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):45-50 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Fine structure of the nigrostriatal anlage in fetal rat brain by immunocytochemical localization of tyrosine hydroxylase. Specht LA, et al. **Brain Res** 1981 Aug 10; 218(1-2):49-65

ENZYMOLOGY

Time of appearance during development of differences in nigrostriatal tyrosine hydroxylase activity in two inbred mouse strains. Baker H, et al. **Brain Res** 1982 Jun; 256(2):157-65

Comparative effects of estrogens and prolactin on nigral and striatal GAD activity. Nicoletti F, et al. **Brain Res** 1982 Jan 28;232(1):238-41

The inheritance and genetic correlation of tyrosine hydroxylase activities in the substantia nigra and corpus striatum in the C x B recombinant inbred mouse strains. Vadasz C, et al. **Brain Res** 1982 Feb 18;234(1):1-9

Sulpiride effects on nigral and striatal glutamic acid decarboxylase activity: a possible involvement of prolactin. Nicoletti F, et al. **Eur J Pharmacol** 1982 Jan 22; 77(2-3):131-5

Effects of different doses of apomorphine on GAD activity in rat substantia nigra. Condorelli DF, et al. **Ital J Neurol Sci** 1981 Aug;2(3):303-6

Decrease of glutamate decarboxylase (GAD)-immunoreactive nerve terminals in the substantia nigra after kainic acid lesion of the striatum. Oertel WH, et al. **J Histochem Cytochem** 1981 Aug;29(8):977-80

Microtopography of tyrosine hydroxylase, glutamic acid decarboxylase, and choline acetyltransferase in the substantia nigra and ventral tegmental area of control and Parkinsonian brains. Javoy-Agid F, et al. **J Neurochem** 1981 Nov;37(5):1218-27

Dopaminergic dendrites in the pars reticulata of the rat substantia nigra and their striatal input. Combined immunocytochemical localization of tyrosine hydroxylase and anterograde degeneration. Wassef M, et al. **Neuroscience** 1981;6(11):2125-39

[Effects of different doses of apomorphine on the glutamate decarboxylase activity of the substantia nigra and the medial basal hypothalamus] Giammona G, et al. **Boll Soc Ital Biol Sper** 1981 Oct 30;57(20):2074-9 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Postnatal ontogeny of evoked neuronal responses in the substantia nigra of the cat. Fisher RS, et al. **Brain Res** 1982 Mar;255(3):443-62

Development of spontaneous neuronal activity in the caudate nucleus, globus pallidus-entopeduncular nucleus, and substantia nigra of the cat. Levine MS, et al. **Brain Res** 1982 Mar;255(3):429-41

INJURIES

Plasticity of neostriatal metabolic activity and behavioral recovery from nigrostriatal injury. Kozlowski MR, et al. **Exp Neurol** 1981 Oct;74(1):318-23

METABOLISM

In vivo release of 3H-GABA synthesized from 3H-Glutamine in the substantia nigra and the pallido entopeduncular nuclei in the cat. Besson MJ, et al. **Adv Biochem Psychopharmacol** 1981;30:95-103

Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro-striatal pathways of male rat brain. Alderson LM, et al. **Brain Res** 1981 Aug 10;218(1-2):189-206

Evidence for dopamine autoreceptors controlling dopamine synthesis in the substantia nigra. Argiolas A, et al. **Brain Res** 1982 Feb 18;234(1):177-81

Immunoreactive substance P in the substantia nigra of the monkey: light and electron microscopic localization. DiFiglia M, et al. **Brain Res** 1982 Feb 11;233(2):381-8

Evidence for GABA receptors on serotonergic afferent terminals in the substantia nigra and on nigral efferent projections to the caudal mesencephalon. Gale K. **Brain Res** 1982 Jan 7;231(1):209-15

Sensory stimuli differentially affect in vivo nigral and striatal [3H]serotonin release in the cat. Reisine T, et al. **Brain Res** 1982 Jan 28;232(1):77-87

Application of L-glutamic acid and substance P to the substantia nigra modulates in vivo [3H]serotonin release in the basal ganglia of the cat. Reisine T, et al. **Brain Res** 1982 Mar 25;236(2):317-27

Role of the lateral habenula in modulating nigral and striatal in vivo [3H]serotonin release in the cat. Soubrié P, et al. **Brain Res** 1981 Oct 5;222(1):192-7

In vivo synthesis of substance P in the corpus striatum of the rat and its transport to the substantia nigra. Sperk G, et al. **Brain Res** 1982 Apr 22;238(1):127-35

Retrograde and anterograde axonal transport demonstrated by intracerebral injection of a labeled protein-acylating agent. Hedreen JC, et al. **Brain Res Bull** 1981 Dec; 7(6):665-70

Kainic acid-induced changes of serotonin and dopamine metabolism in the striatum and substantia nigra of the rat. Sperk G, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):279-86

Effect of dopamine agonists and antagonists on DOPA formation in the substantia nigra. Argiolas A, et al. **J Neurochem** 1982 Jan;38(1):75-9

Glycine receptors in the human substantia nigra as defined by [3H]strychnine binding. de Montis G, et al. **J Neurochem** 1982 Mar;38(3):718-24

Comparative effects of chronic haloperidol and sulpiride treatment on nigral and striatal GABA content. Nicoletti F, et al. **J Neurochem** 1981 Oct;37(4):1048-51

In vivo biosynthesis of 35S-substance P from [35S]methionine in the rat striatum and its transport to the substantia nigra. Torrens Y, et al. **J Neurochem** 1982 Jun; 38(6):1728-34

Control of 5-HT release in the caudate nucleus and the substantia nigra of the cat. Bourgoin S, et al. **J Physiol (Paris)** 1981;77(2-3):303-7

Comparison of content with synthesis, uptake and breakdown of GABA in substantia nigra of unoperated, hemitransected and kainate-treated rats. Starr M, et al. **Life Sci** 1981 Nov 30;29(22):2281-7

Neurotensin receptors are located on dopamine-containing neurones in rat midbrain. Palacios JM, et al. **Nature** 1981 Dec 10;294(5841):587-9

Aging and haloperidol-induced dopamine turnover in the nigro-striatal pathway of C57BL/6J mice. Severson JA, et al. **Neurobiol Aging** 1981 Fall;2(3):193-7

Intranigral injection of capsaicin enhances motor activity and depletes nigral 5-hydroxytryptamine but not substance P. Dawbarn D, et al. **Neuropharmacology** 1981 Apr; 20(4):341-6

Dopamine release induced by electrical stimulation of microdissected caudate-putamen and substantia nigra of the rat brain. Aceves J, et al. **Neuroscience** 1981; 6(10):2069-75

The transport and turnover of phospholipids in the rat nigrostriatal system: effects of d-amphetamine and haloperidol. Hitzemann R, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):209-28

[Dopamine metabolism in structures of the striato-nigral system during elaboration of conditioned avoidance reflexes in rats] Saul'skaia NB, et al. **Zh Vyssh Nerv Deiat** 1981 Sep-Oct;31(5):1083-5 **(Rus)**

[Striato-nigral level of neurochemical organization of conditioned avoidance reflexes of different complexities] Suvorov NF, et al. **Zh Vyssh Nerv Deiat** 1982 Mar-Apr; 32(2):276-83 **(Rus)**

PATHOLOGY

Changes in the nigrostriatal system following microinjection of an unconventional agent. Gorde JM, et al. **Brain Res** 1982 May 20;240(1):87-93

Microcephaly vera, progressive motor neuron disease, and nigral degeneration. Halperin JJ, et al. **Neurology (NY)** 1982 Mar;32(3):317-20

[Rare extrapyramidal disorders: progressive supranuclear paralysis and striato-nigral degeneration] Marttila R, et al. **Duodecim** 1982;98(3):191-200 (Eng. Abstr.) **(Fin)**

PHYSIOLOGY

Striatal dopamine levels after unilateral lesions of the substantia nigra: evidence for a contralateral decrease. Hahn Z, et al. **Acta Physiol Acad Sci Hung** 1981; 57(3):249-53

Single unit responses of substantia nigra and globus pallidus neurons to GABA agonist and antagonist drugs. Waszczak BL, et al. **Adv Biochem Psychopharmacol** 1981;30:79-94

Delayed effects of pulvinotomy on the rat substantia nigra. Hirayama A, et al. **Appl Neurophysiol** 1982;45(3):251-4

Removal of the telencephalon spares turning induced by injection of GABA agonists and antagonists into the substantia nigra. Papadopoulos G, et al. **Behav Brain Res** 1980 Feb;1(1):25-38

Neural and behavioral plasticity: crossed nigro-thalamic projections following unilateral substantia nigra lesions. Pritzel M, et al. **Behav Brain Res** 1981 Nov;3(3):393-9

Retention of individual spatial reversal problems in rats with nigral, caudoputamenal, and reticular formation lesions. Thompson R, et al. **Behav Neural Biol** 1982 Jan; 34(1):98-103

Morphological effects of cytidin-diphosphate-choline on rats with lesions of the substantia nigra: study using horse radish peroxidase method. Stanzani S. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1830-4

Denervation supersensitivity for benzodiazepine receptors in the rat substantia nigra. Biggio G, et al. **Brain Res** 1981 Sep 14;220(2):344-9

The proportion of neurons in the rat neostriatum that project to the substantia nigra demonstrated using horseradish peroxidase conjugated with wheatgerm agglutinin. Bolam JP, et al. **Brain Res** 1981 Sep 14;220(2):339-43

Temperature regulation and dopaminergic systems in the brain: does the substantia nigra play a role? Brown SJ, et al. **Brain Res** 1982 Feb 25;234(2):275-86

Supersensitivity time course of dopamine antagonist binding after nigrostriatal denervation: evidence for early and drastic changes in the rat corpus striatum. Feuerstein C, et al. **Brain Res** 1981 Dec 7;226(1-2):221-34

Amphetamine alters evoked responses of nigral neurons in kittens and adult cats. Fisher RS, et al. **Brain Res** 1982 Apr 15;237(2):415-27

Changes in dopaminergic terminal excitability induced by amphetamine and haloperidol. Groves PM, et al. **Brain Res** 1981 Sep 28;221(2):425-31

Dopamine receptor sensitivity following nigrostriatal lesion in the aged rat. Hirschhorn ID, et al. **Brain Res** 1982 Feb 25;234(2):357-68

Involvement of the thalamus in the asymmetric effects of unilateral sensory stimuli on the two nigrostriatal dopaminergic pathways in the cat. Leviel V, et al. **Brain Res** 1981 Nov 2;223(2):257-72

Electrophysiological evidence for branching nigral projections to pontine reticular formation, superior colliculus and thalamus. Niijima K, et al. **Brain Res** 1982 May 6;239(1):279-82

A comparison of the effects of electrical stimulation of the lateral and ventromedial hypothalamus on the activity of neurons in the ventral tegmental area and substantia nigra. Maeda H, et al. **Brain Res Bull** 1981 Sep;7(3):283-91

Effects of peripheral stimulation on the activity of neurons in the ventral tegmental area, substantia nigra and midbrain reticular formation of rats. Maeda H, et al. **Brain Res Bull** 1982 Jan;8(1):7-14

Long-term effects of nigro-striatal denervation of striatal [3H]haloperidol binding. Feuerstein C, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):457-60

Possible involvement of nigrostriatal dopamine system in the inhibition of thyrotropin secretion in the rat. Männistö P, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):403-9

Dose-dependent feeding in the rat following substantia nigra

acetylcholinesterase blockade. Winn P, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):421–5

Role of globus pallidus and substantia nigra efferent pathways in striatally evoked head turning in the rat. Lee LA, et al. **Exp Brain Res** 1981;44(2):170–6

Origins of postsynaptic potentials evoked in identified rat neostriatal neurons by stimulation in substantia nigra. Wilson CJ, et al. **Exp Brain Res** 1982;45(1–2):157–67

Effect of dopamine agonists and antagonists on the electrical activity of substantia nigra neurons transplanted into the lateral ventricle of the rat. Wuerthele SM, et al. **Exp Brain Res** 1981;44(1):1–10

Rotation evoked by nigral stimulation following lateral hypothalamic, striatal, pallidal lesions in rats. Saranak J, et al. **Exp Neurol** 1982 Aug;77(2):295–313

Electrophysiological evidence for the existence of crossed nigrostriatal fibers. Collingridge GL. **Experientia** 1982 Jul 15;38(7):812–3

Involvement of lateral habenula–dorsal raphe neurons in the differential regulation of striatal and nigral serotonergic transmission cats. Reisine TD, et al. **J Neurosci** 1982 Aug; 2(8):1062–71

Serotonin in the basal ganglia: functions and interactions with other neuronal pathways. Dray A. **J Physiol (Paris)** 1981; 77(2–3):393–403 (146 ref.)

Dopaminergic inhibition from substantia nigra of caudate neurons activated by cortical stimulation. Fujimoto S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):1037–42

Mesencephalic dopaminergic unit activity in the behaviorally conditioned rat. Miller JD, et al. **Life Sci** 1981 Sep 21; 29(12):1255–63

Dynamic utilization of GABA in substantia nigra: regulation by dopamine and GABA in the striatum, and its clinical and behavioral implications. Gale K, et al. **Mol Cell Biochem** 1981 Sep 25;39:369–405 (180 ref.)

The effects of muscimol and picrotoxin injections into the cat substantia nigra. Wolfarth S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):54–60

3-o-methyldopa inhibits rotations induced by levodopa in rats after unilateral destruction of the nigrostriatal pathway. Reches A, et al. **Neurology (NY)** 1982 Aug;32(8):887–8

Content of dopamine in the nigrostriatal system during electrical stimulation of the caudate nucleus head. Bazhenova SI, et al. **Neurosci Behav Physiol** 1981 Jul–Aug; 11(4):323–7

Anatomical demonstration of the involvement of the substantia nigra in contraversive circling elicited by electrical stimulation of the medial forebrain bundle in the cat: a retrograde transport study using horseradish peroxidase subsequent to an electrolytic lesion. Bandler R, et al. **Neurosci Lett** 1981 Oct;26(1):17–23

Activity of substantia nigra units across the sleep–waking cycle in freely moving cats. Trulson ME, et al. **Neurosci Lett** 1981 Oct 23;26(2):183–8

Involvement of the thalamus in the reciprocal regulation of the two nigrostriatal dopaminergic pathways. Chéramy A, et al. **Neuroscience** 1981;6(12):2657–68

Evidence for the participation of nigrotectal gamma-aminobutyrate-containing neurones in striatal and nigral-derived circling in the rat. Kilpatrick IC, et al. **Neuroscience** 1982 Jan;7(1):207–22

Functional validation of projection topography in the nigrostriatal dopamine system. Redgrave P, et al. **Neuroscience** 1982 Apr;7(4):885–94

Distribution of gamma-aminobutyrate in the rat thalamus: specific decreases in thalamic gamma-aminobutyrate following lesion or electrical stimulation of the substantia nigra. Starr MS, et al. **Neuroscience** 1981;6(6):1095–104

The pattern of innervation of the corpus striatum by the substantia nigra. Wright AK, et al. **Neuroscience** 1981; 6(10):2063–7

A study of the connections of nociceptive substantia nigra neurones. Pay S, et al. **Pain** 1982 Jan;12(1):75–89

Prolactin induces grooming in the rat: possible involvement of nigrostriatal dopaminergic system. Drago F, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):61–3

Potentiation by deprenil of l-dopa induced circling in nigral-lesioned rats. Heikkila RE, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):75–9

Tactile extinction: distinguishing between sensorimotor and motor asymmetries in rats with unilateral nigrostriatal damage. Schallert T, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):455–62

Self-stimulation in the sheep: interactions with ingestive behaviour and light cycle. Baldwin BA, et al. **Physiol Behav** 1982 Jan;28(1):77–81

The TPc, the avian substantia nigra: pharmacology and behavior. Rieke GK. **Physiol Behav** 1982 May;28(5):755–63

Thalamic mediation of impulses arriving from the substantia nigra. Harasiewicz A, et al. **Pol J Pharmacol Pharm** 1981 Nov;33(4):421–9

[Effects of conditioning stimulation of the substantia nigra on the epileptic activity of the cat amygdala] Sorbera F, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1901–4 (Eng. Abstr.) **(Ita)**

[Effect of stimulation and destruction of the substantia nigra on phenamine- and apomorphine-induced stereotypy in cats] Tolpyshev BA, et al. **Farmakol Toksikol** 1981 Sep-Oct;44(5):550–4 (Eng. Abstr.) **(Rus)**

[Stereotypical behavior developing after electric stimulation of the substantia nigra in cats] Arushanian EB, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):711–8 (Eng. Abstr.) **(Rus)**

[Effect of damage to the substantia nigra on conditioned reflex activity in animals] Gambarian LS, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1247–54 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Compensatory mechanisms in the nigrostriatal dopaminergic system in Parkinson's disease: studies in an animal model. Melamed E, et al. **Isr J Med Sci** 1982 Jan;18(1):159–63

Evidence for functional interactions of morphine in substantia nigra and striatum in relation to muscular rigidity in rats. Turski L, et al. **Neurosci Lett** 1982 Mar 5;28(3):291–6

SECRETION

Inhibition by apomorphine of the potassium-evoked release of [3H]-gamma-aminobutyric acid from the rat substantia nigra in vitro. Arbilla S, et al. **Br J Pharmacol** 1981 Oct; 74(2):389–97

Bilateral asymmetrical changes in the nigral release of [3H]GABA induced by unilateral application of acetylcholine in the cat caudate nucleus. Besson MJ, et al. **Brain Res** 1982 Jun 10;241(2):241–8

Effect of superficial radial nerve stimulation on the activity of nigro-striatal dopaminergic neurons in the cat: role of cutaneous sensory input. Nieoullon A, et al. **J Neural Transm** 1982;53(2–3):133–46

TRANSPLANTATION

Behavioural recovery following transplantation of substantia nigra in rats subjected to 6-OHDA lesions of the nigrostriatal pathway. II. Bilateral lesions. Dunnett SB, et al. **Brain Res** 1981 Dec 21;229(2):457–70

Grafts of embryonic substantia nigra reinnervating the ventrolateral striatum ameliorate sensorimotor impairments and akinesia in rats with 6-OHDA lesions of the nigrostriatal pathway. Dunnett SB, et al. **Brain Res** 1981 Dec 14;229(1):209–17

Functional activity of substantia nigra grafts reinnervating the striatum: neurotransmitter metabolism and [14C]2-deoxy-D-glucose autoradiography. Schmidt RH, et al. **J Neurochem** 1982 Mar;38(3):737–48

ULTRASTRUCTURE

Light- and electron-microscopic studies of intracytoplasmic acidophilic granules in the human locus ceruleus and substantia nigra. Sekiya S, et al. **Acta Neuropathol (Berl)** 1982;56(1):78–80

Preliminary observations on the neuromelanic pigment in the substantia nigra nucleus of the cat. Levi AC, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):165–8

[Fine structures of Marinesco body and nuclear body in the substantia nigra (author's transl)] Okamoto K, et al. **Rinsho Shinkeigaku** 1981 Sep;21(9):781–9 (Eng. Abstr.) **(Jpn)**

SUBSTRATE SPECIFICITY

DRUG EFFECTS

[Alcohol dehydrogenase substrate specificity in a colloidal solution of water in an organic solvent] Martinek K, et al. **Dokl Akad Nauk SSSR** 1982;263(3):737–41 **(Rus)**

SUBTILISINS

ADVERSE EFFECTS

Detergent enzymes and occupational safety. Observations on sensitization during Esperase production. Zachariae H, et al. **Allergy** 1981 Oct;36(7):513–6

ANTAGONISTS & INHIBITORS

Isoelectric focusing of subtilisin inhibitors: detection and partial characterization of cereal inhibitors of chymotrypsin and microbial proteases. Hejgaard J. **Anal Biochem** 1981 Sep 15;116(2):444–9

Thermal denaturation of streptomyces subtilisin inhibitor, subtilisin BPN', and the inhibitor-subtilisin complex. Takahashi K, et al. **Biochemistry** 1981 Oct 13; 20(21):6185–90

Purification and characterization of an acidic trypsin/subtilisin inhibitor from tortoise egg white. Ray AK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):126–32

Inhibition of subtilisin by substituted arylboronic acids. Philipp M, et al. **FEBS Lett** 1981 Oct 12;133(1):36–8

Exposure of aromatic residues of Streptomyces subtilisin inhibitor. A photo-CIDNP study. Akasaka K, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1945–9

Detection and partial characterisation of subtilisin inhibitors in legume seeds by isoelectric focusing. Chavan JK, et al. **J Sci Food Agric** 1981 Sep;32(9):857–62

METABOLISM

Evidence that the lack of high catalytic activity of thiolsubtilisin towards specific substrates may be due to an inappropriately located proton-distribution system. Demonstration of highly nucleophilic character of the thiol group of thiolsubtilisin in the catalytically relevant ionization state of the active centre by use of a two-protonic-state reactivity probe. Brocklehurst K, et al. **Biochem J** 1981 Mar 1;193(3):819–23

Proton nuclear magnetic resonance evidence for the absence of a stable hydrogen bond between the active site aspartate and histidine residues of native subtilisins and for its presence in thiolsubtilisins. Jordan F, et al. **Biochemistry** 1981 Oct 27;20(22):6366–70

Thermal denaturation of streptomyces subtilisin inhibitor, subtilisin BPN', and the inhibitor-subtilisin complex. Takahashi K, et al. **Biochemistry** 1981 Oct 13; 20(21):6185–90

Subtilisin: fast and slow proteolysis of peptide bonds of oxidized A chain of insulin. Montali U, et al. **Int J Pept Protein Res** 1981 Apr;17(4):426–9

Controlled proteolysis by subtilisin as a probe for cyanide-induced conformational changes in Pseudomonas cytochrome oxidase. Horowitz PM, et al. **J Biol Chem** 1982 Mar 10;257(5):2140–3

[Enzyme-substrate (inhibitor) interactions as viewed from x-ray diffraction studies (author's transl)] Nakamura K, et al. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(6):855–69 (69 ref.) **(Jpn)**

[Structure of the active center of subtilisin 72] Kazanskaia NF, et al. **Biokhimiia** 1982 May;47(5):834–41 (Eng. Abstr.) **(Rus)**

[Properties of the catalytically active fragment obtained by limited proteolysis of phosphorylase kinase] Shur SA, et al. **Biokhimiia** 1982 Feb;47(2):266–71 (Eng. Abstr.) **(Rus)**

[Optimization of protein hydrolysis by Bacillus subtilis alkaline proteinase] Bogatkov SV, et al. **Prikl Biokhim Mikrobiol** 1982 Jan–Feb;18(1):71–5 (Eng. Abstr.) **(Rus)**

[Azoalbumin hydrolysis by Bacillus subtilis 72 subtilisin] Nesterenko EA, et al. **Prikl Biokhim Mikrobiol** 1981 Nov–Dec;17(6):870–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Limited proteolysis of liver and muscle aldolases: effects of subtilisin, cathepsin B, and Staphylococcus aureus protease. Hannappel E, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):293–8

Activation of Pseudomonas cytochrome oxidase by limited proteolysis with subtilisin. Horowitz PM, et al. **J Biol Chem** 1982 Aug 25;257(16):9258–60

SUBTRACTION TECHNIC

Intravenous aortography after aortic dissection repair. Guthaner DF, et al. **AJR** 1981 Nov;137(5):1019–22

Carbon dioxide digital subtraction arteriography. Hawkins IF. **AJR** 1982 Jul;139(1):19–24

Intravenous angiography utilizing digital video subtraction techniques. Ovitt TW. **Am J Cardiol** 1982 Apr 1; 49(5):1365–7

Digital x-ray-imaging techniques in pediatric diagnosis. Fletcher BD. **Am J Dis Child** 1982 Sep;136(9):771–3

Carotid artery surgery based on digital subtraction angiography. Lusby RJ, et al. **Am J Surg** 1982 Aug; 144(2):211–4

The application of photographic subtraction in longitudinal cephalometric growth studies. McWilliam JS. **Eur J Orthod** 1982 Feb;4(1):29–36

Viewbox: the use of digital subtraction angiography in examination. Marsan R. **IMJ** 1982 May;161(5):315, 348–50

A simple colour subtraction method for angiographic examinations: the photographic method. Terwey B, et al. **J Audiov Media Med** 1981 Apr;4(2):45–8

Intravenous arteriography using digital subtraction techniques. Brody WR, et al. **JAMA** 1982 Aug 13; 248(6):671–4

Digital subtraction angiography of lesions of the head and neck. Kinney SE, et al. **Laryngoscope** 1982 May; 92(5):557–61

Three-beam K-edge imaging of iodine using differences between fluoroscopic video images: theoretical considerations. Riederer SJ, et al. **Med Phys** 1981 Jul–Aug; 8(4):471–9

Three-beam K-edge imaging of iodine using differences between fluoroscopic video images: experimental results. Riederer SJ, et al. **Med Phys** 1981 Jul–Aug;8(4):480–7

The use of digital subtraction angiography in the evaluation of carotid cavernous sinus fistulas. Modic MT, et al. **Ophthalmology (Rochester)** 1982 May;89(5):441–4

Statistical contrast enhancement of subtraction images for radiographic caries diagnosis. Gröndahl HG, et al. **Oral Surg** 1982 Feb;53(2):219–23

Improved method of screening for extracranial cerebrovascular disease [letter] Rodney WM. **Postgrad Med** 1982 Aug;72(2):47

Xenon as a contrast agent for imaging of the airways and lungs using digital radiography. Björk L, et al. **Radiology** 1982 Aug;144(3):475–8

Intravenous arteriography using scanned projection radiography. Brody WR, et al. **Radiology** 1981 Nov; 141(2):509–14

Hybrid subtraction for improved arteriography. Brody WR. **Radiology** 1981 Dec;141(3):828–31

Intracranial applications of digital intravenous subtraction angiography. Carmody RF, et al. **Radiology** 1982 Aug; 144(3):529–34

Evaluation of a digital subtraction angiography unit. Cohen G, et al. **Radiology** 1982 Aug;144(3):613–7
Digital video subtraction angiography for evaluation of peripheral vascular disease. Crummy AB, et al. **Radiology** 1981 Oct;141(1):33–7
Left ventricle evaluation by digital video subtraction angiocardiography. Engels PH, et al. **Radiology** 1982 Aug; 144(3):471–4
Quantitation of left ventricular dimensions and function by digital video subtraction angiography. Higgins CB, et al. **Radiology** 1982 Aug;144(3):461–9
The potential impact of digital video subtraction angiography on screening for renovascular hypertension. Hillman BJ, et al. **Radiology** 1982 Mar;142(3):577–9
Excretory urography using dual-energy scanned projection radiography. Sommer FG, et al. **Radiology** 1981 Nov; 141(2):529–32
[Digital subtraction angiography] Klinkhamer AC. **Ned Tijdschr Geneeskd** 1981 Aug 22;125(34):1381–2 **(Dut)**
[A new angiographic technic: digital subtraction angiography (digital vascular imaging)] Ludwig JW, et al. **Ned Tijdschr Geneeskd** 1981 Aug 22;125(34):1361–5 **(Dut)**
[Role of the digital technic in the study of radiological images] Antognetti PF. **Arch E Maragliano Patol Clin** 1980; 36:51–7 **(Ita)**

INSTRUMENTATION

Intravenous digital subtraction angiography. Baert AL, et al. **Eur J Radiol** 1981 May;1(2):97–103
The Isocon camera system in digital subtraction imaging. Barbaric ZL, et al. **Radiology** 1982 Jun;143(3):783–6

SUBURBAN POPULATION

Social isolation experienced by women residents in a new surburban community. Stewart MJ. **Can J Public Health** 1982 Jan–Feb;73(1):52–6
Early progress report of practical experience with lifestyle programmes in a suburban population. Lawson JS, et al. **Med J Aust** 1981 Aug 8;2(3):119–21
[Hygienic evaluation of the effectiveness of short-term suburban recreation from the viewpoint of natural climatic and demographic factors] Mechkuev R, et al. **Probl Khig** 1981;6:135–42 (Eng. Abstr.) **(Bul)**

SUBVALVULAR STENOSIS, IDIOPATHIC HYPERTROPHIC see **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS**

SUCCINATE CYTOCHROME C OXIDOREDUCTASE see under **OXIDOREDUCTASES**

SUCCINATE DEHYDROGENASE

Iron-sulphur clusters in fumarate reductase from Vibrio succinogenes. Albracht SP, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):295–302
Succinate dehydrogenase--a comparative review. Hederstedt L, et al. **Microbiol Rev** 1981 Dec;45(4):542–55 (102 ref.)

ANALYSIS

On the determination of skeletal muscle types in Swiss albino mouse. Krishan K, et al. **Acta Anthropogenet** 1980; 4(1–2):51–9
Rough endoplasmic reticulum–mitochondrial complexes from rat liver. An extramitochondrial succinic dehydrogenase associated with this rough endoplasmic reticulum. Cascarano J, et al. **Exp Cell Res** 1982 May; 139(1):39–50
Effect of age and cold shock on the SDH activity of brain mitochondria and carbohydrate contents of brain of male garden lizard. Dash BD, et al. **Exp Gerontol** 1981; 16(6):481–6
Voltage & time dependent electromigratory pattern of soluble proteins & succinate dehydrogenase in sheep medulla oblongata. Mohanachari V, et al. **Indian J Exp Biol** 1981 Aug;19(8):760–2
An ultrastructural-histochemical dichotomy in crayfish muscle. Crabtree RL, et al. **J Exp Zool** 1982 Jun 10; 221(2):259–62
The activities of monoamine oxidase-A and -B, succinate dehydrogenase and acid phosphatase in the rat brain after hemitransection. Carlsson A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):51–5
The effect of frusemide, piretanide and bumetanide on cochlear succinic dehydrogenase. Comis SD, et al. **Neuropharmacology** 1981 Apr;20(4):405–7
[Quantitative evaluation of the effectiveness of using Meldola blue and sephadex in the histochemical detection of dehydrogenases in cryostatic sections] Araviiskaia DD, et al. **Tsitologiia** 1981 Aug;23(8):950–4 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

[Malonate-like effect of antiangina agents] Urakov AL. **Vopr Med Khim** 1982 May–Jun;28(3):127–30 **(Rus)**

BLOOD

[Diagnostic value of the study of lymphocyte succinate dehydrogenase activity in premature infants with intracranial birth] Chikovani MI, et al. **Pediatriia** 1981 Nov; (11):17–9 (Eng. Abstr.) **(Rus)**
[Leukocyte dehydrogenases in acute inflammatory disease of the maxillofacial area] Kovtsur SS, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):50–1 (Eng. Abstr.) **(Rus)**
[Dynamics of succinate dehydrogenase activity to premature infants with hypothalamic brain damage] Chikovani MI. **Zh Nevropatol Psikhiatr** 1981;81(10):1496–8 (Eng. Abstr.) **(Rus)**

GENETICS

Different levels of gene realization in the diurnal control of rat liver enzymes. Hoffmann J, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):323–40
Human succinate dehydrogenase: biochemical and genetic characterization. Shaw MA, et al. **Biochem Genet** 1981 Aug;19(7–8):741–56
Partial replacement of succinate dehydrogenase function by phage- and plasmid-specified fumarate reductase in Escherichia coli. Guest JR. **J Gen Microbiol** 1981 Feb; 122(Pt 2):171–9

IMMUNOLOGY

Immunochemical analysis of the membrane-bound succinate dehydrogenase of Escherichia coli. Jones RW, et al. **FEBS Lett** 1982 Jun 1;142(1):81–7

ISOLATION & PURIFICATION

The function of the subunits of the fumarate reductase complex of Vibrio succinogenes. Unden G, et al. **Eur J Biochem** 1981 Dec;120(3):577–84

METABOLISM

Pathology of experimental radiation pancarditis. II. Correlation between ultrastructural changes of the myocardial mitochondria and succinic dehydrogenase activity in rabbit heart receiving a single dose of X-ray irradiation. Maeda S. **Acta Pathol Jpn** 1982 Mar; 32(2):199–218
Hormones and liver mitochondria: effects of growth hormone and thyroxine on respiration, fluorescence of 1-anilino-8-naphthalene sulfonate and enzyme activities of complex I and II of submitochondrial particles. Maddaiah VT, et al. **Arch Biochem Biophys** 1981 Sep;210(2):666–77
The participation of primary amino groups of succinate dehydrogenase in the formation of succinate-Q reductase. Yu L, et al. **Biochim Biophys Acta** 1981 Sep 14;637(2):383–6
Zinc accumulation and succinate dehydrogenase activation in hepatic mitochondria of rats orally administered zinc sulfate. Yamaguchi M, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2370–4
Catalytic and molecular modifications of succinate dehydrogenase by monovalent inorganic anions. Bonomi F, et al. **Eur J Biochem** 1981 Oct;119(2):307–10
Sexual dimorphism in succinic dehydrogenase staining of toad pretrigeminal nucleus. Schmidt RS. **Exp Brain Res** 1982;45(3):447–50
Cytophotometric study of succinate dehydrogenase activity on individual skeletal muscle fibres of the rat. Pai VD, et al. **Gegenbaurs Morphol Jahrb** 1982;128(2):201–7
Thermal inactivation and oxaloacetate inhibition of hepatic respiratory metabolism in male garden lizards of three different age-groups. Kara TC, et al. **Gerontology** 1981; 27(4):187–93
Oxidative enzymes in the urinary apparatus of several marine fishes. Hentschel H, et al. **Histochem J** 1982 Jan;14(1):49–72
A comparative microphotometric study of succinate dehydrogenase activity levels in type I, IIA and IIB fibres of mammalian and human muscles. Reichmann H, et al. **Histochemistry** 1982;74(1):27–41
Alternative method for quantitative enzyme histochemistry of muscle fibers. Application of photographic densitometry combined with atomic absorption spectrophotometry. Sickles DW, et al. **Histochemistry** 1982;73(4):577–88
Succinate dehydrogenase mutant of Rhizobium meliloti. Gardiol A, et al. **J Bacteriol** 1982 Sep;151(3):1621–3
Specific interaction between protein and ubiquinone in succinate-ubiquinone reductase. Yu CA, et al. **J Biol Chem** 1982 Jun 10;257(11):6127–31
Quantitative resolution of succinate-cytochrome c reductase into succinate-ubiquinone and ubiquinol-cytochrome c reductases. Yu L, et al. **J Biol Chem** 1982 Feb 25; 257(4):2016–21
A general cell marker for clonal analysis of Drosophila development. Lawrence PA. **J Embryol Exp Morphol** 1981 Aug;64:321–32
Mitochondrial number, cytochrome oxidase and succinic dehydrogenase activity in Xenopus laevis oocytes. Marinos E, et al. **J Embryol Exp Morphol** 1981 Apr;62:395–409
Succinate dehydrogenase, monoamine oxidase and glutamine synthetase in developing human foetal brain regions. Mahajan RG, et al. **J Neurochem** 1982 Feb;38(2):356–9
Succinate dehydrogenase activity in fibres classified by myosin ATPase in three hind limb muscles of rat. Nemeth P, et al. **J Physiol (Lond)** 1981 Nov;320:73–80
Possible occurrence and role of an essential histidyl residue in succinate dehydrogenase. Vik SB, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6749–53
Effect of anilazine on growth, respiration and enzyme activity of Escherichia coli. Garg FC, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(6):505–8
[Protein supply of rats and transaminase and succinate dehydrogenase activity] Grassmann E, et al. **Arch Tierernahr** 1981 Oct;31(10):661–6 (Eng. Abstr.) **(Ger)**
[The activity of several dehydrogenases in both hemispheres of the hippocampus from rats during some phases of postnatal development (author's transl)] Schünzel G, et al. **Z Mikrosk Anat Forsch** 1981;95(3):332–6 (Eng. Abstr.) **(Ger)**
[Effect of antibiotic and vaccine therapies on the succinate dehydrogenase and phosphatase activity of liver cells of mice infected with Staphylococcus] Balakliets NI, et al. **Antibiotiki** 1982 Jan;27(1):41–4 (Eng. Abstr.) **(Rus)**
[Localization of gramicidin S on the cytoplasmic membrane of Bacillus brevis and its effect on the activity of membrane enzymes] Vostroknutova GN, et al. **Biokhimiia** 1981 Apr; 46(4):657–66 (Eng. Abstr.) **(Rus)**
[Changes in enterocyte mitochondrial pyruvate and succinate dehydrogenase during glucose absorption in the jejunum] Faĭtel'berg RO, et al. **Fiziol Zh** 1981 Nov–Dec;27(6):793–8 (Eng. Abstr.) **(Rus)**
[Succinate dehydrogenase and cytochrome oxidase activity in rat tissues during prolonged hypokinesia] Smirnov VV, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):69–71 (Eng. Abstr.) **(Rus)**
[Lymphocyte and gastric mucosal succinate dehydrogenase activity in digestive organ diseases of noninfectious etiology in children] Studenikin MIa, et al. **Pediatriia** 1981 Dec; (12):12–5 (Eng. Abstr.) **(Rus)**
[Effect of sodium fluoride on succinate dehydrogenase and NADH: cytochrome c-reductase of rat liver mitochondria] Lavrushenko LF. **Ukr Biokhim Zh** 1982;54(1):86–8 (Eng. Abstr.) **(Rus)**
[Activities of succinate dehydrogenase and ATPase in rat kidneys during transport of organic substances] Briukhanov VM, et al. **Vopr Med Khim** 1982 May–Jun;28(3):94–6 **(Rus)**
[Ubiquinone content and the oxidative-reductive enzymatic system activity in the liver of vitamin E-deficient rats administered alpha-tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**
[Catecholamine metabolism and mitochondrial enzyme activity] Tapbergenov SO. **Vopr Med Khim** 1982 Mar–Apr; 28(2):52–8 (Eng. Abstr.) **(Rus)**

SUCCINATES

An attempt to use the Tc-99m-thiodisuccinic acid (TDSA) complex in renoscintigraphy. I. Preparation of the complex. Ogiński M. **Int Urol Nephrol** 1981;13(4):315–9
Reactions of acyl phosphates with carboxylate and thiol anions. Model reactions for CoA transferase involving anhydride formation. Moore SA, et al. **J Biol Chem** 1982 Sep 25;257(18):10874–81
Effect of docusate sodium on drug release from a controlled-release dosage form. Chambliss WG, et al. **J Pharm Sci** 1981 Nov;70(11):1248–51
[Enzymes incorporated into reversed micelles of surfactants in organic solvents. Study of the protein-aerosol OT-H2O-octane system by sedimentation analysis] Khmel'nitskiĭ IuL, et al. **Biokhimiia** 1982 Jan;47(1):86–99 (Eng. Abstr.) **(Rus)**

ANALYSIS

Gas-liquid chromatographic analysis of synovial fluid. Succinic acid and lactic acid as markers for septic arthritis. Borenstein DG, et al. **Arthritis Rheum** 1982 Aug; 25(8):947–53

DIAGNOSTIC USE

An attempt to use the Tc-99m-thiodisuccinic acid (TDSA) complex in renoscintigraphy. II. In vivo studies. Ogiński M, et al. **Int Urol Nephrol** 1981;13(4):321–31

METABOLISM

Inorganic cation transport and the effects on C4 dicarboxylate transport in Bacillus subtilis. Kay WW, et al. **Can J Microbiol** 1981 Nov;27(11):1194–201
Relationship between succinate excretion and cytochrome levels in Saccharomyces cerevisiae. Freitas-Valle AB, et al. **Cell Mol Biol** 1981;27(5):467–71
Sidedness of e- donation and stoichiometry of H+ pumps at sites II + III in mitochondria from rat liver. Di Virgilio F, et al. **Eur J Biochem** 1981 Jul;117(2):225–31
Metabolism of succinonitrile in liver: studies on the systems involved in cyanide release. Floreani M, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):135–40
Succinate transport in Rhizobium leguminosarum. Finan TM, et al. **J Bacteriol** 1981 Oct;148(1):193–202
L-serine degradation in Escherichia coli K-12: directly isolated ssd mutants and their intragenic revertants. Newman EB, et al. **J Bacteriol** 1982 May;150(2):710–5
Stringent control of intermediary metabolism in Escherichia coli: pyruvate excretion by cells grown on succinate. Kodaki T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1437–44
Stoichiometry of Na+-succinate cotransport in renal brush-border membranes. Wright SH, et al.

J Biol Chem 1982 Feb 25;257(4):1773–8

Relationships between gamma-aminobutyrate and succinate cycles during and after cerebral ischemia. Benzi G, et al. **J Neurosci Res** 1982;7(2):193–201

Inhibition of succinate-linking reduction of pyridine nucleotide in rat liver mitochondria 'in vivo' by N-(phosphonomethyl)glycine. Olorunsogo OO, et al. **Toxicol Lett** 1980 Dec;7(2):149–52

PHARMACODYNAMICS

The effects of anions, substrates, metal ions and sulfhydryl reagents on the proteolytic susceptibility of yeast phosphoglycerate kinase. Wrobel JA, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):236–45

The substrate binding site of aldehyde reductase from pig liver. Stereochemical investigations using NADP--2-oxodiacid adducts as probe. Branlant G. **Eur J Biochem** 1982 Jan;121(2):407–11

Studies on the modification of Escherichia coli ribosomal protein L7/L12 by succinic anhydride. Pintor-Toro JA, et al. **Experientia** 1982 Feb 15;38(2):241–3

Modification of three active site lysine residues in the catalytic subunit of aspartate transcarbamylase by D- and L-bromosuccinate. Lauritzen AM, et al. **J Biol Chem** 1982 Feb 10;257(3):1312–9

Hemostatic and healing studies of sodium amylose succinate (IP760). Jeffery DL, et al. **J Biomed Mater Res** 1982 Jan; 16(1):51–61

[Response of adenine nucleotide metabolism in the aged rat liver to fasting and succinate injections] Kaminskiĭ IuG, et al. **Biokhimiia** 1982 Apr;47(4):654–9 (Eng. Abstr.) **(Rus)**

[Effect of tubaside and sodium succinate on oxidative phosphorylation and p-hydroxylation in the liver] Maliuk VI, et al. **Ukr Biokhim Zh** 1981 Nov-Dec;53(6):78–82 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Effects of AOMA on cholesterol metabolism in man. Crouse JR, et al. **Metabolism** 1982 Jul;31(7):733–9

[Anticonvulsive action of succinate and geometrical isomers of ethylene-1,2-dicarboxylic acid (author's transl)] Zhang MY, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar; 3(1):13–6 (Eng. Abstr.) **(Chi)**

[Changes in the proliferative activity of human breast cancer cells cultivated in vivo in diffusion chambers in response to antineoplastic agents] Shamaev VI, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):77–9 (Eng. Abstr.) **(Rus)**

[Protective action of sodium succinate in ethionamide poisoning] Maliuk VI, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):90–2 **(Rus)**

[Changes in the concentration of hematopoietic stem cells, erythrocytes and leukocytes during hepatoma development and in exposure to an antitumor agent] Sadovnikova IP, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):781–5 (Eng. Abstr.) **(Rus)**

[Therapeutic properties of tricarboxylic acid cycle metabolites in experimental pulmonary pathology] Maliuk VI, et al. **Probl Tuberk** 1981 Jul;(7):60–4 (Eng. Abstr.) **(Rus)**

[Intermediators of the Krebs cycle and electron acceptor systems as new cardiac agents] Gatsura VV, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):34–8 (Eng. Abstr.) **(Rus)**

[Effect of sodium succinate on the acid-forming and motor activities of the stomach in tuberculosis] Maliuk VI, et al. **Vrach Delo** 1981 Oct;(10):60–2 (Eng. Abstr.) **(Rus)**

TOXICITY

An attempt to use the Tc-99m-thiodisuccinic acid (TDSA) complex in renoscintigraphy. II. In vivo studies. Ogiński M, et al. **Int Urol Nephrol** 1981;13(4):321–31

SUCCINIC ANHYDRIDES see under **SUCCINATES**

SUCCINIC OXIDASE see **SUCCINATE DEHYDROGENASE**

SUCCINIMIDES

Tryptic peptide mapping of picomolar quantities of protein labeled with the Bolton--Hunter reagent. Feitelson MA, et al. **Anal Biochem** 1981 Sep 15;116(2):473–9

Use of N-bromosuccinimide for the iodination of proteins for radioimmunoassay. Reay P. **Ann Clin Biochem** 1982 Mar;19(Pt 2):129–33

Retrograde and anterograde axonal transport demonstrated by intracerebral injection of a labeled protein-acylating agent. Hedreen JC, et al. **Brain Res Bull** 1981 Dec; 7(6):665–70

Bolton-Hunter reagent as a vital stain for developing systems. Katz MJ, et al. **Dev Biol** 1982 Apr;90(2):419–29

Preparative oxidative conversion of protected peptide C alpha-hydrazides into the corresponding acids by N-bromosuccinimide. Meienhofer J, et al. **Int J Pept Protein Res** 1981 Jul;18(1):6–11

Tritium labeling of alpha-neurotoxins with N-succinimidyl[3H]propionate. Sugiyama H, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):729–35

Low binding of Bolton-Hunter-labelled cholecystokinin-33 to carboxyl-terminal CCK-antibodies. Jansen JB, et al. **J Immunol Methods** 1982 Jun 11;51(2):223–30

BLOOD

Improved isocratic liquid-chromatographic simultaneous measurement of phenytoin, phenobarbital, primidone, carbamazepine, ethosuximide, and N-desmethylmethsuximide in serum. Szabo GK, et al. **Clin Chem** 1982 Jan;28(1):100–4

CHEMICAL SYNTHESIS

Synthesis and application of cleavable photoactivable heterobifunctional reagents. Vanin EF, et al. **Biochemistry** 1981 Nov 24;20(24):6754–60

A new radioactive cross-linking reagent for studying the interactions of proteins. Schwartz MA, et al. **J Biol Chem** 1982 Mar 10;257(5):2343–9

Succinimides with oxyacetate side chain as potential anticonvulsant agents. Owoyale JA, et al. **J Pharm Sci** 1981 Aug;70(8):963

METABOLISM

Tritiation of alpha-bungarotoxin with N-succinimidyl [2,3-3H]propionate. A useful reagent for labelling proteins. Dolly JO, et al. **Biochem J** 1981 Mar 1;193(3):919–23

PHARMACODYNAMICS

Biological activity of the antitumor protein neocarzinostatin coupled to a monoclonal antibody by N-succinimidyl 3-(2-pyridyldithio)-propionate. Jung G, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):599–606

N-bromosuccinimide oxidation of a glucoamylase from Aspergillus saitoi. Inokuchi N, et al. **J Biochem (Tokyo)** 1982 May;91(5):1661–8

Lateral organization of proteins in the chromatophore membrane of Rhodospirillum rubrum studied by chemical cross-linking. Wiemken V, et al. **J Bioenerg Biomembr** 1981 Aug;13(3-4):181–94

Influence of metal ions on prothrombin self-association. Demonstration of dimer formation by intermolecular cross-linking with dithiobis(succinimidylpropionate). Tarvers RC, et al. **J Biol Chem** 1982 Sep 25; 257(18):10708–14

Tritium radiolabeling of antibodies to high specific activity with N-succinimidyl [2,3-3H] propionate: use in detecting monoclonal antibodies. Kummer U, et al. **J Immunol Methods** 1981;42(3):367–74

Enhancement of the immunogenicity of the maize rough dwarf virus outer shell with the cross-linking reagent dithiobis(succinimidyl)propionate. Boccardo G, et al. **J Virol Methods** 1981 Sep;3(2):109–13

[Central effect of various new carbamide and succinimide derivatives of benzoxazolone-2] Kolasa K, et al. **Acta Pol Pharm** 1981;38(3):369–77 (Eng. Abstr.) **(Pol)**

[Role of tryptophan in the enzymatic activity of histidine decarboxylase from Micrococcus sp. n.] Gonchar NA, et al. **Biokhimiia** 1981 Nov;46(11):1970–80 (Eng. Abstr.) **(Rus)**

[Changes in biological properties of botulinum neurotoxin a induced by chemical modification of its molecule by tryptophan and tyrosine] Shibaeva IV, et al. **Biokhimiia** 1981 May;46(5):825–31 (Eng. Abstr.) **(Rus)**

TOXICITY

Nephrotoxicity following acute administration of N-(3,5-dichlorophenyl)succinimide in rats. Rankin GO. **Toxicology** 1982;23(1):21–31

SUCCINYL COENZYME A SYNTHETASES see under **COENZYME A SYNTHETASES**

SUCCINYLCHOLINE

Routine induction of anaesthesia with thiopental and suxamethonium: apnoea without ventilation? Gabrielsen J, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):59–62

Plasma potassium after halothane--suxamethonium induction in children. Henning RD, et al. **Anaesthesia** 1982 Aug; 37(8):802–5

Why routinely pretreat? [letter] Brodsky JB. **Anesthesiology** 1982 Jun;56(6):488–9

Succinylcholine neuromuscular blockade in subjects homozygous for atypical plasma cholinesterase. Viby-Mogensen J. **Anesthesiology** 1981 Oct;55(4):429–34

Continuous suxamethonium infusion for microlaryngeal surgery. Carnie J. **Br J Anaesth** 1982 Jan;54(1):11–4

[Does precurarization prevent the increase of serum potassium after administration of succinylcholine in risk patients? - a case report- (author's transl)] Brandt L, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):353–5 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Repeated administration of suxamethonium in a patient with atypical plasma cholinesterase. Cass NM, et al. **Anaesth Intensive Care** 1982 Feb;10(1):25–8

Succinylcholine in congenital pyruvate kinase deficiency. Stirt JA. **Anesth Analg (Cleve)** 1982 Jul;61(7):620–1

Weight, pseudocholinesterase activity, and succinylcholine requirement. Bentley JB, et al. **Anesthesiology** 1982 Jul; 57(1):48–9

A comparative evaluation of pretreatment with nondepolarizing neuromuscular blockers prior to the administration of succinylcholine. Blitt CD, et al. **Anesthesiology** 1981 Dec;55(6):687–9

Dose response to intramuscular succinylcholine in children. Liu LM, et al. **Anesthesiology** 1981 Nov;55(5):599–602

Failure of 'self-taming' doses of succinylcholine to inhibit increases in postoperative serum creatine kinase activity in children. Plötz J, et al. **Anesthesiology** 1982 Mar; 56(3):207–9

Controlled succinylcholine infusion in a patient receiving echothiophate eye drops. Donati F, et al. **Can Anaesth Soc J** 1981 Sep;28(5):488–90

Post-operative muscle pain and serum potassium changes following self-taming of succinyl choline-induced fasciculations. Katre AM, et al. **J Postgrad Med** 1982 Jan; 28(1):18–23

Administration of depolarizing muscle relaxants after non-depolarizer reversal: when is it safe? De Roubaix JA. **S Afr Med J** 1982 Apr 17;61(16):583–4

[Myoparalytic action of succinylcholine during intravenous general anesthesia with ketamine in ambulatory patients] Kamyshov IaM, et al. **Vestn Akad Med Nauk SSSR** 1981; (8):57–60 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Prolonged postoperative apnea complicating gynecologic surgery; atypical cholinesterase and myasthenia gravis. Maharry JM, et al. **Am J Obstet Gynecol** 1982 May 1; 143(1):36–40

Anaphylaxis to both decamethonium and suxamethonium. Fisher MM, et al. **Anaesth Intensive Care** 1982 May; 10(2):153–5

Suxamethonium pains in outpatient children [letter] Lyle DJ. **Anaesthesia** 1982 Jul;37(7):774–5

Diazepam and suxamethonium muscle pain (a dose-response study). Verma RS. **Anaesthesia** 1982 Jun;37(6):688–90

Upper airway edema--an anaphylactoid reaction to succinylcholine? Cohen S, et al. **Anesthesiology** 1982 Jun; 56(6):467–8

Use of lignocaine throat spray to reduce suxamethonium muscle pains. Fassoulaki A, et al. **Br J Anaesth** 1981 Oct; 53(10):1087–9

Rhabdomyolysis, myoglobinuria and hyperpyrexia caused by suxamethonium in a child with increased serum creatine kinase concentrations. Lewandowski KB. **Br J Anaesth** 1981 Sep;53(9):981–4

I. v. suxamethonium test [letter] Plötz J, et al. **Br J Anaesth** 1982 Apr;54(4):475–6

Masseter spasm induced by succinylcholine in children [letter] Famewo CE. **Can Anaesth Soc J** 1982 Jul; 29(4):403–4

Effect of fazadinium (Fazadon) on muscle fasciculations induced by succinylcholine. Famewo CE. **Can Anaesth Soc J** 1981 Sep;28(5):459–62

Masseter spasm induced by succinylcholine in children: contracture testing for malignant hyperthermia: report of six cases. Flewellen EH, et al. **Can Anaesth Soc J** 1982 Jan;29(1):42–9

Prolonged apnea after orthognathic surgery due to atypical cholinesterase. O'Ryan F, et al. **Int J Oral Surg** 1981 Oct; 10(5):338–44

Intravenous flunitrazepam in the prevention of the side effects of succinylcholine. Vatashsky E, et al. **Isr J Med Sci** 1982 May;18(5):587–9

Apnoea following suxamethonium: the genetic study of four generations of a family. Morgan AA. **J Med Genet** 1982 Feb;19(1):22–5

Effect of repeated succinylcholine injections on heart rate following intramuscularly administered antimuscarinic drugs: glycopyrrolate and atropine. Cozanitis DA, et al. **South Med J** 1982 Feb;75(2):179–81

[Acute circulatory failure after endotracheal intubation during anesthesia (author's transl)] Zhuang XL, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):49–50 (Eng. Abstr.) **(Chi)**

[Influence of different preinjections on unfavourable side-effects of succinylcholine-induced block (author's transl)] Stoyanov M, et al. **Anaesthesist** 1982 Apr; 31(4):161–4 (Eng. Abstr.) **(Ger)**

[Combination precurarization for prevention of post-succinylcholine myalgia] Gadalov VP. **Vestn Khir** 1981 Aug;127(8):81–4 **(Rus)**

[Hyperkalemia caused by succinylcholine in intra-abdominal infections] Popović BM. **Srp Arh Celok Lek** 1981 Aug; 109(8):1003–8 **(Scc)**

[The effect of ketamine anesthesia induction on plasma potassium and fasciculations after the use of succinylcholine] Popović BM. **Srp Arh Celok Lek** 1981 Oct; 109(10):1317–23 (Eng. Abstr.) **(Scc)**

[Succinylcholine apnea (letter)] **Rev Esp Anestesiol Reanim** 1982 Jan;29(1):48–9 **(Spa)**

[Succinylcholinic apnoea, study of a thirteen-member family (author's transl)] Valle Sánchiz J, et al. **Rev Esp Anestesiol Reanim** 1982 Jan;29(1):42–3 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

[Relation between serum cholinesterase polymorphism, long-term apnea and hypoventilation during surgery and

in the postoperative period] Mkheidze MO, et al. **Anesteziol Reanimatol** 1981 Sep-Oct;(5):14-7 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Effects of precurarization on the blood pressure and heart rate changes induced by suxamethonium facilitated laryngoscopy and intubation. Kautto UM. **Acta Anaesthesiol Scand** 1981 Oct;25(5):391-6

Posttetanic facilitation as index for antagonism of phase II block of succinylcholine in patients with atypical cholinesterase [letter] Baraka A. **Anesth Analg (Cleve)** 1981 Dec;60(12):911-2

Pretreatment with nondepolarizing muscle relaxant does not decrease gastric regurgitation following succinylcholine [letter] Smith G. **Anesthesiology** 1982 May;56(5):408-9

HISTORY

Suxamethonium--the development of a modern drug from 1906 to the present day. Dorkins HR. **Med Hist** 1982 Apr; 26(2):145-68

ISOLATION & PURIFICATION

Extraction, identification and quantitation of succinylcholine in embalmed tissue. Forney RB Jr, et al. **J Anal Toxicol** 1982 May-Jun;6(3):115-9

METABOLISM

[Prolonged action of suxamethonium in late pregnancy] Owen-Falkenberg A, et al. **Ugeskr Laeger** 1982 Jan 18; 144(3):160 (Eng. Abstr.) **(Dan)**

PHARMACODYNAMICS

A consideration of prolonged succinylcholine paralysis with Innovar: is the cause droperidol or fentanyl? Lewis RA. **AANA J** 1982 Feb;50(1):55-9

Intraocular tension of the horse: effects of succinylcholine and halothane anesthesia. Benson GJ, et al. **Am J Vet Res** 1981 Oct;42(10):1831-2

A rise in serum potassium after suxamethonium following brachial plexus injury [letter] Kelly EP. **Anaesthesia** 1982 Jun;37(6):694-5

The recording of succinylcholine-induced fasciculations [letter] Collier CB. **Anesthesiology** 1982 May;56(5):409-11

Thoracic gas volume and chest-abdomen dimensions during anesthesia and muscle paralysis. Hedenstierna G, et al. **Anesthesiology** 1981 Nov;55(5):499-506

Suxamethonium-induced changes in serum creatine phosphokinase. Charak DS, et al. **Br J Anaesth** 1981 Sep; 53(9):955-7

Suxamethonium. Durant NN, et al. **Br J Anaesth** 1982 Feb; 54(2):195-208 (113 ref.)

The effect of intravenous diazepam on rise of intraocular pressure following succinylcholine. Cunningham AJ, et al. **Can Anaesth Soc J** 1981 Nov;28(6):591-6

Effect of enflurane and fentanyl on the clinical characteristics of long-term succinylcholine infusion. Donati F, et al. **Can Anaesth Soc J** 1982 Jan;29(1):59-64

The influence of fazadinium on the potassium efflux produced by succinylcholine. Famewo CE. **Can Anaesth Soc J** 1981 Sep;28(5):463-6

Biphasic change in serum potassium concentration following a single dose of succinylcholine chloride. Zakut H, et al. **Clin Exp Obstet Gynecol** 1981;8(1):12-4

Prolonged neuromuscular blockade after administration of physostigmine and succinylcholine. Manoguerra AS, et al. **Clin Toxicol** 1981 Jul;18(7):803-5

Effects of chemical immobilization on hematologic and serum chemical values in captive white-tailed deer. Kocan AA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1153-6

Haemodynamic and neurological responses of ventilated and apnoeic calves to succinyldicholine. Button C, et al. **J S Afr Vet Assoc** 1981 Dec;52(4):283-8

[Suxamethonium. Haemodynamic study in man excepting general anaesthesia (author's transl)] Guggiari M, et al. **Anesth Analg (Paris)** 1982;38(11-12):659-68 (Eng. Abstr.) **(Fre)**

[Multiphasic neuromuscular blockade during and following regional application of succinylcholine in man (author's transl)] Plötz J, et al. **Anaesthesist** 1981 Nov;30(11):543-8 (Eng. Abstr.) **(Ger)**

TOXICITY

Succinylcholine-induced hyperkalemia in the rat following radiation injury to muscle. Cairoli VJ, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):83-6

SUCCINYLDICHOLINE see **SUCCINYLCHOLINE**

SUCKING BEHAVIOR

Concentrations of testosterone in neonatal male rats suckled naturally and hand-fed. Anderson PJ, et al. **J Endocrinol** 1982 Mar;92(3):419-24

Nonnutritive sucking during tube feedings: effects on preterm neonates in an intensive care unit. Field T, et al. **Pediatrics** 1982 Sep;70(3):381-4

A technique for quantitating suckling behavior in brooder reared kittens. Gallo PV, et al. **Physiol Behav** 1981 Nov; 27(5):953-6

Development of sucking in term infants from birth to four hours postbirth. Anderson GC, et al. **Res Nurs Health** 1982 Mar;5(1):21-7

The period between birth and first suckling in dairy calves. Edwards SA, et al. **Res Vet Sci** 1979 Mar;26(2):255-6

PHYSIOLOGY

Effects of lidocaine on nipple attachment and home orientation by rat pups. Kenyon CA, et al. **Behav Neural Biol** 1981 Jun;32(2):261-4

The contribution of ambient temperature to suckling behavior in rats 3-20 days of age. Cramer CP, et al. **Dev Psychobiol** 1982 Jul;15(4):339-48

A quantitative analysis of the feeding behavior of suckling rabbits. Drewett RF, et al. **Dev Psychobiol** 1982 Jan; 15(1):25-32

Differential effects of upper gastrointestinal fill on milk ingestion and nipple attachment in the suckling rat. Lorenz DN, et al. **Dev Psychobiol** 1982 Jul;15(4):309-30

Prenatal and postnatal determinants of the 1st suckling episode in albino rats. Pedersen PE, et al. **Dev Psychobiol** 1982 Jul;15(4):349-55

Suckling: developmental indicator of genetic obesity in mice. Wilson LM, et al. **Dev Psychobiol** 1981 Jan;14(1):67-74

Sucking behaviour and milk intake of neonates in relation to milk fat content. Nysenbaum AN, et al. **Early Hum Dev** 1982 Apr;6(2):205-13

Milking- and suckling-induced secretion of oxytocin and prolactin in parturient dairy cows. Akers RM, et al. **Horm Behav** 1982 Mar;16(1):87-93

Dehydration inhibits suckling behavior in weanling rats. Bruno JP, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):405-15

Suckling behavior in neonatal rats: psychopharmacological investigations. Spear LP, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):244-55

Oesophageal and diaphragmatic activity during sucking in lambs. Harding R, et al. **J Physiol (Lond)** 1981 Dec; 321:317-29

Arousal a prerequisite for suckling in the conscious rabbit? Neve HA, et al. **Physiol Behav** 1982 Feb;28(2):213-7

SUCRASE

ANALYSIS

Effects of several detergents and dietary fiber added to a diet on intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):389-92

GENETICS

Two differentially regulated mRNAs with different 5' ends encode secreted with intracellular forms of yeast invertase. Carlson M, et al. **Cell** 1982 Jan;28(1):145-54

Distinct repressible mRNAs for cytoplasmic and secreted yeast invertase are encoded by a single gene. Perlman D, et al. **Cell** 1981 Aug;25(2):525-36

Presecretory and cytoplasmic invertase polypeptides encoded by distinct mRNAs derived from the same structural gene differ by a signal sequence. Perlman D, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):781-5

ISOLATION & PURIFICATION

Isolation and localization of plasma membrane-bound invertase in yeast (Saccharomyces cerevisiae). Maurer A, et al. **Eur J Cell Biol** 1982 Feb;26(2):219-27

Solubilization of sucrase & alkaline phosphatase from microvillus membrane of guinea pig intestine using papain & detergents. Mahmood A, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):198-201

METABOLISM

Intestinal disaccharidases in malnourished infant rats. Jambunathan LR, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1879-84

Sucrase metabolism in germfree rats. Olsen WA, et al. **Am J Physiol** 1982 Jun;242(6):G650-3

Immobilization of invertase on modified nylon tubes. Onyezili FN, et al. **Anal Biochem** 1981 May 15;113(2):203-6

Order of events in the yeast secretory pathway. Novick P, et al. **Cell** 1981 Aug;25(2):461-9

Relative importance of corticosterone and thyroxine in the postnatal development of sucrase and maltase in rat small intestine. Martin GR, et al. **Endocrinology** 1982 Sep; 111(3):912-8

Dietary-induced rapid increase of rat jejunal sucrase and lactase activity in all regions of the villus. Yamada K, et al. **FEBS Lett** 1981 Jun 29;129(1):89-92

Insoluble glucan synthesis by mutansucrase as a determinant of the cariogenicity of Streptococcus mutans. Wenham DG, et al. **J Gen Microbiol** 1981 Dec;127 (Pt 2):407-15

[Is stimulation of intestinal sucrase activity by dietary sucrose dependent on RNA synthesis in adult rats? (author's transl)] Raul F, et al. **Gastroenterol Clin Biol** 1982 May;6(5):424-9 (Eng. Abstr.) **(Fre)**

[Carbohydrate system of the small intestine in rats of different ages exposed to heat and cold] Rakhimov KR, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):508-14 **(Rus)**

PHYSIOLOGY

Nutritional significance of intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(5):485-8

SUCRASE-ISOMALTASE COMPLEX see under **MULTIENZYME COMPLEXES**

SUCROSE

Survival of native structure and biological activity in fibronectin pasteurized in the presence of sucrose. Wallace DG, et al. **Biochem Med** 1982 Jun;27(3):286-96

Ion activity decrease in the presence of sucrose. Vassilev L, et al. **Biochim Biophys Acta** 1981 Jul;675(2):214-6

Dietary influences on the development of sucrose acceptability in rats. Bertino M, et al. **Dev Psychobiol** 1981 Jan;14(1):19-28

Evaluation of sucrose and magnesium sulfate as additives in aerobic blood culture medium. Eng J. **J Clin Microbiol** 1981 Sep;14(3):247-51

Sucrose taste thresholds: age-related differences. Moore LM, et al. **J Gerontol** 1982 Jan;37(1):64-9

Induction of mitotic gene conversion by browning reaction products and its modulation by naturally occurring agents. Rosin MP, et al. **Mutat Res** 1982 May;101(3):189-97

Overeating, dietary selection patterns and sucrose intake in growing rats. Hirsch E, et al. **Physiol Behav** 1982 May; 28(5):819-28

ADMINISTRATION & DOSAGE

Sugar and human health. Wahlqvist ML. **Aust Fam Physician** 1981 Oct;10(10):818-9

Sugar availability, sugar consumption and dental caries. Sreebny LM. **Community Dent Oral Epidemiol** 1982 Feb; 10(1):1-7

Children with chronic diarrhea and altered disaccharidase ratio who respond to sucrose withdrawal [letter] Davidson GP, et al. **Lancet** 1982 Aug 7;2(8293):325

Sucrose or glucose for diarrhea [letter] Hughes-Davies TH. **Pediatrics** 1981 Oct;68(4):607-9

Response of serum levels of gastric inhibitory polypeptide and insulin to sucrose ingestion during long-term application of acarbose. Fölsch UR, et al. **Scand J Gastroenterol** 1981;16(5):629-32

ADVERSE EFFECTS

Sucrose-induced behavior changes of persons with Prader-Willi syndrome. Otto PL, et al. **Am J Ment Defic** 1982 Jan;86(4):335-41

Dental disease in chronically sick children. Roberts GJ, et al. **ASDC J Dent Child** 1981 Sep-Oct;48(5):346-51

Sucrose induced hypertriglyceridaemia: its mechanism and metabolic effects. Vrána A, et al. **Czech Med** 1982;5(1):9-15

Liquid medicines can rot sick children's teeth. **Drug Ther Bull** 1981 Sep 11;19(19):75-6

Sucrose in the dynamics of the carious process. Newbrun E. **Int Dent J** 1982 Mar;32(1):13-23 (70 ref.)

The sugar-caries axis. Sreebny LM. **Int Dent J** 1982 Mar; 32(1):1-12 (96 ref.)

Effects of sucrose ingestion on blood pressure. Preuss HG, et al. **Life Sci** 1982 Mar 15;30(11):879-86 (44 ref.)

Dental caries potential of liquid medications. Feigal RJ, et al. **Pediatrics** 1981 Sep;68(3):416-9

Investigation of Maillard products in bacterial mutagenicity test systems. Aeschbacher HU, et al. **Prog Food Nutr Sci** 1981;5(1-6):279-93

[Cariogenic properties of saccharose and lactose with substitutes] Gehring F, et al. **Dtsch Zahnarztl Z** 1981 Aug; 36(8):525-8 (Eng. Abstr.) **(Ger)**

[Fermentable carbohydrates in teething preparations as a cause of caries in small children] Guggenheim B, et al. **Schweiz Med Wochenschr** 1982 Feb 13;112(7):232-4 (Eng. Abstr.) **(Ger)**

[The effect of solid, compacted cariogenic diet on the salivary glands in rats] Végh A, et al. **Fogorv Sz** 1982 Feb; 75(2):57-61 **(Hun)**

[Lipid metabolism during excessive sugar consumption] Abdukalykov EA. **Lab Delo** 1982;(4):221-3 **(Rus)**

ANALOGS & DERIVATIVES

Sucrose polyester and covert caloric dilution. Glueck CJ, et al. **Am J Clin Nutr** 1982 Jun;35(6):1352-9

Action of sucrose polyesters on lipid metabolism in rats. Aust L, et al. **Ann Nutr Metab** 1981;25(4):255-61

Effects of dietary paraffin, squalane and sucrose polyester on residue disposition and elimination of hexachlorobenzene in rats. Richter E, et al. **Chem Biol Interact** 1982 Jul 1;40(3):335-44

Accumulation of sucrose polyesters in different organ lipids of rats. Aust L, et al. **Nahrung** 1982;26(1):K3-4

ANALYSIS

Presweetened dry breakfast cereals: potential for dental danger. Shannon IL, et al. **ASDC J Dent Child** 1981 May-Jun;48(3):215-8

Sugar in breakfast cereals [letter] Fanning EA. **Aust Dent J** 1982 Apr;27(2):134

[Criteria for distinguishing sugar-adulterated honey from the natural] Zagaevskiĭ IS, et al. **Vopr Pitan** 1982 Jan-Feb;

(1):63–5 (Eng. Abstr.) **(Rus)**

BLOOD

Distribution of two model amino acids from cerebrospinal fluid to brain and blood. Fenstermacher JD, et al. **Am J Physiol** 1982 Feb;242(2):F171–80

DIAGNOSTIC USE

Serum insulin and glucose in hyperinsulinemic subjects fed three different levels of sucrose. Reiser S, et al. **Am J Clin Nutr** 1981 Nov;34(11):2348–58

Extravascular, extracellular water in rabbit lung using Na and sucrose indicators. Pavlin DJ, et al. **J Appl Physiol** 1982 Mar;52(3):792–7

[Analysis of dental enamel permeability using labelled saccharose and xylitol] Tarján I, et al. **Fogorv Sz** 1981 Aug; 74(8):235–8 (Eng. Abstr.) **(Hun)**

METABOLISM

Hair changes due to zinc deficiency in a case of sucrose malabsorption. Weismann K, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):444–7

Brain uptake of mannitol and sucrose after cerebral ischemia: effect of hyperglycemia. Siemkowicz E. **Acta Physiol Scand** 1981 Aug;112(4):359–63

Effects of individual taurine-conjugated bile acids on biliary lipid secretion and sucrose clearance in the unanesthetized dog. Gilmore IT, et al. **Am J Physiol** 1982 Jan;242(1):G40–6

The uptake in vitro of monosaccharides, disaccharide and nucleic acid precursors by adult Dirofilaria immitis. Chen SN, et al. **Ann Trop Med Parasitol** 1981 Jun;75(3):329–34

Uptake of sucrose by Saccharomyces cerevisiae. Santos E, et al. **Arch Biochem Biophys** 1982 Jul;216(2):652–60

A theoretical study on the sucrose gap technique as applied to multicellular muscle preparations. I. Saline-sucrose interdiffusion. Lammel E. **Biophys J** 1981 Dec;36(3):533–53

Influences of dietary sucrose and urea on transfer of endogenous urea to the rumen of sheep and numbers of epithelial bacteria. Kennedy PM, et al. **Br J Nutr** 1981 Nov;46(3):533–41

Evidence that L-sucrose is resistant to hydrolysis catalyzed by jejunal brush border enzymes. Dinda PK, et al. **Can J Physiol Pharmacol** 1982 May;60(5):652–4

Kinetics of hydroxyapatite dissolution during incubation with sucrose and Streptococcus mutans and its application to cariogenicity testing. Reynolds EC, et al. **Caries Res** 1981; 15(6):501–7

Effect of E coli endotoxin on the leakage of 14C-sucrose from phosphatidylcholine liposomes. Onji T, et al. **Circ Shock** 1981;8(4):403–10

Absence of microwave effect on blood-brain barrier permeability to [14C]sucrose in the conscious rat. Gruenau SP, et al. **Exp Neurol** 1982 Feb;75(2):299–307

Mutants of yeast defective in sucrose utilization. Carlson M, et al. **Genetics** 1981 May;98(1):25–40

Genetic evidence for a silent SUC gene in yeast. Carlson M, et al. **Genetics** 1981 May;98(1):41–54

Properties of Streptococcus mutans Ingbritt growing on limiting sucrose in a chemostat: repression of the phosphoenolpyruvate phosphotransferase transport system. Ellwood DC, et al. **Infect Immun** 1982 May;36(2):576–81

Phosphoenolpyruvate-dependent phosphotransferase system enzyme III and plasmid-encoded sucrose transport in Escherichia coli K-12. Lengeler JW, et al. **J Bacteriol** 1982 Jul;151(1):468–71

Plasmid-mediated uptake and metabolism of sucrose by Escherichia coli K-12. Schmid K, et al. **J Bacteriol** 1982 Jul;151(1):68–76

Tissue sites of degradation of native and reductively methylated [14C]sucrose-labeled low density lipoprotein in rats. Contribution of receptor-dependent and receptor-independent pathways. Carew TE, et al. **J Biol Chem** 1982 Jul 25;257(14):8001–8

Does sucrose space exist? Sitaramam V, et al. **J Theor Biol** 1981 Jun 7;90(3):317–36

[Relationship between sucrose fermentability and pathogenicity of Vibrio parahaemolyticus (author's transl)] Liu HD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):201–3 **(Chi)**

PHARMACODYNAMICS

Comparison of the metabolic responses to fructose and sucrose sweetened foods. Crapo PA, et al. **Am J Clin Nutr** 1982 Aug;36(2):256–61

Effect of aspartame and sucrose loading in glutamate-susceptible subjects. Stegink LD, et al. **Am J Clin Nutr** 1981 Sep;34(9):1899–905

Obesity in Osborne-Mendel and S 5B/Pl rats: effects of sucrose solutions, castration, and treatment with estradiol or insulin. Schemmel RA, et al. **Am J Physiol** 1982 Sep; 243(3):R347–53

Resealing to small solutes of white erythrocyte membranes after incubation with EDTA, Ca2+, salt, sucrose, phospholipase C. Moore RB, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):179–91

The effect of media containing sucrose and its constituent monosaccharides on the ability of streptococci to form dental plaque-like deposits on nichrome steel wire in vitro. Dummer PM, et al. **Arch Oral Biol** 1981;26(5):453–5

Serum lipoprotein and blood pressure levels in rhesus monkeys fed sucrose diets. Clevidence BA, et al. **Biochem Med** 1981 Apr;25(2):186–97

The effects of maternal carbohydrate (sucrose) supplementation on the growth of offspring of pregnancies with habitual caffeine consumption. Dunlop M, et al. **Biol Neonate** 1981;40(3-4):196–8

Comparative in vivo and in vitro effect of mono- and disaccharides on intestinal brush border enzyme activities in suckling rats. Raul F, et al. **Biol Neonate** 1981; 39(3-4):200–7

A clinical trial to compare the effects of xylitol and sucrose chewing-gums on dental plaque growth. Grenby TH, et al. **Br Dent J** 1982 May 18;152(10):339–43

Effect of invert sugar on accumulation of Streptococcus mutans E49 on the teeth of rats. Okuda K, et al. **Caries Res** 1981;15(6):515–8 (14 ref.)

Electrophysiological effects of hypertonic sucrose solutions on canine cardiac Purkinje fibers. Bailey JC. **Circ Res** 1981 Nov;49(5):1112–8

Effect of sucrose overfeeding on Na,K-ATPase-mediated 86Rb uptake in normal and ob/ob mice. Flier JS, et al. **Diabetes** 1981 Nov;30(11):975–8

The effects of equal caloric amounts of xylitol, sucrose and starch on insulin requirements and blood glucose levels in insulin-dependent diabetics. Hassinger W, et al. **Diabetologia** 1981 Jul;21(1):37–40

Changes in metabolism of rat kidney and liver caused by experimental diabetes and by dietary sucrose. Kang SS, et al. **Diabetologia** 1982 Apr;22(4):285–8

Abdominal vagotomy attenuates drinking induced by intravenous infusion of various osmotic loads in the rat. Martin JR, et al. **Experientia** 1982 Jan 15;38(1):105–6

Dietary-induced rapid increase of rat jejunal sucrase and lactase activity in all regions of the villus. Yamada K, et al. **FEBS Lett** 1981 Jun 29;129(1):89–92

Turku sugar studies XXII. A re-examination of the subjects. Mäkinen KK, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:9–28

Immediate and late effects of premature weaning of rats to diets containing starch or low levels of sucrose. Angel JF, et al. **J Nutr** 1981 Oct;111(10):1805–15

Effects of premature weaning on the metabolic response to dietary sucrose in adult rats. Back DW, et al. **J Nutr** 1982 May;112(5):978–85

Differential effects of sucrose, fructose and glucose on carbohydrate-induced obesity in rats. Kanarek RB, et al. **J Nutr** 1982 Aug;112(8):1546–54

Difference between sucrose and glucose diets in their effects on the rate of body weight change in rats. MacDonald I, et al. **J Nutr** 1981 Sep;111(9):1543–7

Dietary effects on metabolism of Yucatan miniature swine selected for low and high glucose utilization. Phillips RW, et al. **J Nutr** 1982 Jan;112(1):104–11

Effect of sucrose and Acarbose feeding on the development of streptozotocin-induced diabetes in the rat. Goda T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):41–56

A comparison of the effects of glucose and sucrose on cholera toxin induced secretion in the rat jejunum in vivo. Ksiazyk J, et al. **J Trop Pediatr** 1982 Feb;28(1):8–10

Effects os substitution of glucose-oligosaccharides by sucrose in a defined formula diet on intestinal disaccharidases, hepatic lipogenic enzymes and carbohydrate metabolism in young rats. Cha CJ, et al. **Metabolism** 1982 Jan; 31(1):57–66

The effect of sucrose and hexitol--containing chewing gums on plaque acidogenesis in vivo. Vratsanos SM, et al. **Pharmacol Ther Dent** 1981;6(3-4):87–91

The effect of high oral dosage of xylitol and sucrose on the biochemical properties of whole saliva in human volunteers after long-term regular consumption of xylitol. Mäkinen KK, et al. **Proc Finn Dent Soc** 1981;77(5):262–70

Comparative effects of xylitol- and sucrose-sweetened chew tablets and chewing gums on plaque quantity. Rekola M. **Scand J Dent Res** 1981 Oct;89(5):393–9

Freeze-fracture analysis of gap junction disruption in rat ovarian granulosa cells. Campbell KL, et al. **Tissue Cell** 1981;13(4):651–68

Comparative clinical evaluation of the effect of sucrose in a new anaerobic blood culture medium. Dankert J, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):62–9

[Is stimulation of intestinal sucrase activity by dietary sucrose dependent on RNA synthesis in adult rats? (author's transl)] Raul F, et al. **Gastroenterol Clin Biol** 1982 May;6(5):424–9 (Eng. Abstr.) **(Fre)**

[Effects of sucrose and invert sugar on the levels of plasma lipids, plasma ApoA concentrations and chemical composition of high density lipoprotein subfractions in healthy young males (author's transl)] Iwasaki Y, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1105–11 **(Jpn)**

THERAPEUTIC USE

Honey or sugar in treatment of infected wounds? [letter] Bose B. **Lancet** 1982 Apr 24;1(8278):963

Scientific basis for use of granulated sugar in treatment of infected wounds [letter] Chirife J, et al. **Lancet** 1982 Mar 6;1(8271):560–1

Sugar for infected wounds [letter] Chirife J, et al. **Lancet** 1982 Jul 17;2(8290):157

Sugar in the wound [letter] Forrest RD. **Lancet** 1982 Apr 10;1(8276):861

TOXICITY

Turku sugar studies XXIII. Comparison of metabolic tolerance in human volunteers to high oral doses of xylitol and sucrose after long-term regular consumption of xylitol. Mäkinen KK, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:29–49

URINE

[Case of endogenous sucrosuria] Gorodetskiĭ VK, et al. **Vopr Med Khim** 1981;27(4):503–5 (Eng. Abstr.) **(Rus)**

SUCTION

Percutaneous aspiration of an occult splenic and perisplenic hematoma with computed tomography. Dondelinger R, et al. **Eur J Radiol** 1981 Nov;1(4):332–4

Menstrual extraction in the adolescent. Key TC, et al. **J Adolesc Health Care** 1980 Dec;1(2):127–31

Changing face of treatment of peritonsillar abscess. Schechter GL, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):657–9

Suction applied to a muscle biopsy maximizes sample size. Evans WJ, et al. **Med Sci Sports Exerc** 1982;14(1):101–2

Peritonsillar abscess: needle aspiration. Herzon FS, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):910–11

[Treatment results in thoracocentesis and aspiration drainage of the pleural complications in acute suppurative lung diseases in childhood] Mikhailova V. **Khirurgiia (Sofiia)** 1981;34(3):230–4 (Eng. Abstr.) **(Bul)**

[Transtracheal aspiration as a routine procedure in the bacteriological examination of lung infections] Larsen F, et al. **Ugeskr Laeger** 1981 May 11;143(20):1260–2 (Eng. Abstr.) **(Dan)**

[Transtracheal aspiration in the bacteriological examination of lung infections] Schønheyder H. **Ugeskr Laeger** 1981 May 11;143(20):1257–60 (Eng. Abstr.) **(Dan)**

[Irrigation-suction drainage in chronically infected wound cavities in the small pelvis] Seelig W, et al. **Helv Chir Acta** 1981 Aug;48(3-4):429–31 **(Ger)**

[Clinical and bacteriological examinations to assess the effectiveness of the treatment of infections in the face neck area with vacuum drainage (author's transl)] Müller W, et al. **Zahn Mund Kieferheilkd** 1981;69(5):353–8 (Eng. Abstr.) **(Ger)**

[Therapy of spontaneous pneumothorax. Results of 20 years' experience] Vecchi R, et al. **Minerva Chir** 1981 Feb 15; 36(3):121–30 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Accidental injury in a spa. Wilkie OL. **Am J Dis Child** 1982 Jun;136(6):557

A randomized study of drugs for preventing increases in intracranial pressure during endotracheal suctioning. White PF, et al. **Anesthesiology** 1982 Sep;57(3):242–4

Complications of drainage system for modified radical mastectomy [letter] Becker C, et al. **Arch Surg** 1982 Jun; 117(6):859

Hypodermic needle separation during arthrocentesis [letter] Gottlieb NL. **Arthritis Rheum** 1981 Dec;24(12):1593–4

Suction drainage complication [letter] Scott JW. **Br J Surg** 1981 Nov;68(11):825

Hemodynamic and pulmonary edema protein measurements in a case of reexpansion pulmonary edema. Marland AM, et al. **Chest** 1982 Feb;81(2):250–1

The effect of transtracheal aspiration on cardiac rate and rhythm. A prospective study. Pratter MR, et al. **Chest** 1981 Oct;80(4):439–41

Corpus luteum function after follicle aspiration for oocyte retrieval. Garcia J, et al. **Fertil Steril** 1981 Nov;36(5):565–72

Oxygen insufflation during endotracheal suctioning. Langrehr EA, et al. **Heart Lung** 1981 Nov-Dec; 10(6):1028–36

Another complication of continuous upper pouch suction in esophageal atresia. Bar-Maor JA, et al. **J Pediatr Surg** 1981 Oct;16(5):730

Circulatory changes caused by a closed, negative pressure drainage system after craniotomy. McCulloch GA, et al. **Neurosurgery** 1981 Oct;9(4):380–2

Suprapubic aspiration associated with hematoma. Morrell RE, et al. **Pediatrics** 1982 Apr;69(4):455–7

Complications of suction for lipectomy [letter] Pfulg ME. **Plast Reconstr Surg** 1982 Mar;69(3):562–3

[The effect of tracheobronchial suction on oxygenation in newborn infants] Anttolainen I, et al. **Duodecim** 1981; 97(23–24):1919–25 (Eng. Abstr.) **(Fin)**

[Consequences of suction drainage when applied in spinal posterior approach with opening of the dura-mater. Experimental study (author's transl)] Bisserié M, et al. **Ann Chir** 1981 Sep;35(7):498–9 (Eng. Abstr.) **(Fre)**

[Transitory bacteraemia after endotracheal suction (author's transl)] Storm W. **Dtsch Med Wochenschr** 1981 Nov 6; 106(45):1496–8 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

A simple suction device. Macrae WA. **Anaesthesia** 1982 Feb; 37(2):204–5

A means of suctioning without cardiopulmonary depression. Bodai BI. **Heart Lung** 1982 Mar-Apr;11(2):172–6

Pressures associated with chest tube stripping. Duncan C, et al. **Heart Lung** 1982 Mar-Apr;11(2):166–71

An improvised suction drain. Peled IJ, et al. **J Dermatol Surg Oncol** 1982 Jan;8(1):18

Fibroscopic bronchial aspirations. Dumon JF, et al. **J Int Med Res** 1981;9(5):365–71

Treatment of pyogenic liver abscesses by percutaneous needle aspiration. Berger LA, et al. **Lancet** 1982 Jan 16; 1(8264):132–4

A simple device for continuous nasogastric suction. Rao PS. **Lancet** 1982 Mar 6;1(8271):542–3

Acute physiological effects of ultrasonic vibrations on nervous tissue. Young W, et al. **Neurosurgery** 1981 Jun; 8(6):689–94

Machine-assisted cortical clean-up without expensive disposable packs. Oaks MC. **Ophthalmic Surg** 1982 Feb; 13(2):115–6

Modified apparatus for aspiration of meconium from the airway. Fazen LE 3d. **Pediatrics** 1982 Aug;70(2):307–8

Suction coagulation forceps for augmentation mammaplasty. Tegtmeier RE. **Plast Reconstr Surg** 1981 Dec;68(6):955–6

[Therapy of thyroid cysts with fine needle aspiration] Galvan G, et al. **Schweiz Med Wochenschr** 1982 Jun 26; 112(26):926–30 (Eng. Abstr.) **(Ger)**

[Clinical and experimental examinations to estimate the function of the vacuum-drainage of organic liquids (author's transl)] Müller W, et al. **Zahn Mund Kieferheilkd** 1981;69(7):584–95 (Eng. Abstr.) **(Ger)**

[Device for aspirating the pathological contents from the abdominal cavity during laparoscopy] Chetverikova VN, et al. **Klin Khir** 1982 Jan;(1):63 **(Rus)**

[Stomach probe for simultaneous double-electrode intragastric pH measurement and the aspiration of the stomach contents] Bershadenko DD, et al. **Lab Delo** 1982; (2):77–9 (Eng. Abstr.) **(Rus)**

[Device for eliminating pneumothorax] Astrakhantsev FA, et al. **Med Tekh** 1982 Jan-Feb;(1):46–7 **(Rus)**

[Endpiece with a fiberoptic lightguide for a suction pump for use in laryngeal and pharyngeal surgery] Issopova NS, et al. **Med Tekh** 1982 Mar-Apr;(2):60–1 **(Rus)**

METHODS

Antral aspiration. Carenfelt C. **Acta Otolaryngol (Stockh)** 1982 Mar-Apr;93(3–4):237–41

Neonatal intracranial haemorrhage: aspiration through anterior fontanel in 23 cases. György I. **Acta Paediatr Acad Sci Hung** 1981;22(4):347–52

Decreasing respiratory compromise during infant suctioning. McFadden R. **Am J Nurs** 1981 Dec;81(12):2158–61

Management of spontaneous pneumothorax with small lumen catheter manual aspiration. Bevelaqua FA, et al. **Chest** 1982 Jun;81(6):693–4

Suctioning the left bronchial tree in the intubated adult. Freedman AP, et al. **Crit Care Med** 1982 Jan;10(1):43–5

Minimizing hypoxia during endotracheal airway care. Jung RC, et al. **Heart Lung** 1982 May-Jun;11(3):208–12

Ultrasonic aspiration in the surgical treatment of intracranial tumors. Fasano VA, et al. **J Neurosurg Sci** 1981 Jan-Mar; 25(1):35–40

Suctioning of upper airway meconium in newborn infants. Gage JE, et al. **JAMA** 1981 Dec 4;246(22):2590–2

Staphylococcal pericarditis-successful nonsurgical treatment with indwelling catheter and antibiotic drugs. Lui HK, et al. **West J Med** 1982 Jun;136(6):536–8

[Aspiration with tracheal catheterization through the nose in treating suffocation in massive pulmonary hemoptysis (author's transl)] Wan WL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):174–5 (Eng. Abstr.) **(Chi)**

[Preliminary observation on intracerebral hematoma in the region of internal capsule due to hypertension treated with simple aspiration (author's transl)] Jia BX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):27–9 (Eng. Abstr.) **(Chi)**

[Computed tomography guided percutaneous aspiration and drainage of thoracic and abdominal fluid collections (author's transl)] Dondelinger R, et al. **J Radiol** 1982 Feb; 63(2):75–83 (Eng. Abstr.) **(Fre)**

[Surgical drainage of facial cellulitis with spreading tendency. Application of the suction irrigation method on two different cases (author's transl)] Marx O, et al. **Rev Stomatol Chir Maxillofac** 1981;82(5):314–7 (Eng. Abstr.) **(Fre)**

[Bacteriological and clinical examinations of vacuum drainages after various operations in the jaw-face area (author's transl)] Pfister W, et al. **Zahn Mund Kieferheilkd** 1981;69(6):491–5 (Eng. Abstr.) **(Ger)**

[Closed aspiration-lavage method of treatment in suppurative surgery] Kanshin NN. **Sov Med** 1981;(12):13–7 (Eng. Abstr.) **(Rus)**

[Vacuum drainage and long-term perfusion with antiseptic solutions of the sutured wound in treating bone and osteoarticular paronychia] Popov VA, et al. **Vestn Khir** 1981 Nov;127(11):60–3 **(Rus)**

[Vacuum diagnosis and therapy of sinusitis] Kostrov NI, et al. **Voen Med Zh** 1981 Oct;(10):60–1 **(Rus)**

[Surgical wound drainage after mastectomy] Lugovskoi EA, et al. **Vopr Onkol** 1981;27(10):85–6 **(Rus)**

VETERINARY

Experience with a perfo-suction system for the recovery of schistosomes from laboratory rodents. Jackson TF, et al. **Lab Anim** 1982 Jan;16(1):65–7

Treatment of lead poisoning in swans [letter] Cooke SW. **Vet Rec** 1982 Apr 3;110(14):343

Bovine gall bladder operation [letter] Hibberd RC. **Vet Rec** 1982 Jun 12;110(23):565–6

SUCTORIA

ULTRASTRUCTURE

Ultrastructural features of Allantosoma intestinalis, a Suctorian ciliate isolated from the large intestine of the horse. Sundermann CA, et al. **J Protozool** 1981 Nov; 28(4):400–5

Distribution of calcium in the suctorian Discophrya collini: an x-ray microanalytical study. Hackney CM, et al. **Tissue Cell** 1981;13(3):453–9

SUDDEN DEAFNESS see **DEAFNESS, SUDDEN**

SUDDEN INFANT DEATH

Breathing during sleep in parents of sudden infant death syndrome victims. Acres JC, et al. **Am Rev Respir Dis** 1982 Feb;125(2):163–6

Statistical evaluation of respiratory control in infants to assess possible risk for the sudden infant death syndrome (SIDS). Haidmayer R, et al. **Eur J Pediatr** 1982 Mar;138(2):145–50

Death in the cradle. **Ir Med J** 1981 Nov;74(11):315

A survey of the care received by the parents of sudden infant death victims. Matthews TG, et al. **Ir Med J** 1982 May; 75(5):149–51

Alternative for 'near-miss SIDS' [letter] Nickerson BG. **J Pediatr** 1982 Apr;100(4):672

Sibling reaction to cot death. Williams ML. **Med J Aust** 1981 Sep 5;2(5):227–8, 230–1

Sudden infant death syndrome: a review for primary care physicians. Shaddy RE, et al. **Nebr Med J** 1982 Apr; 67(4):74–9

Sudden infant death syndrome [editorial] Stivrins PC, et al. **Nebr Med J** 1982 May;67(5):117–8

Sudden infant death syndrome [editorial] Allen EM. **NZ Med J** 1982 Mar 24;95(704):183–4

Clostridium difficile in normal infants and sudden infant death syndrome: an association with infant formula feeding. Cooperstock MS, et al. **Pediatrics** 1982 Jul;70(1):91–5

Incidence of apnea in siblings of sudden infant death syndrome victims studied at home. Kelly DH, et al. **Pediatrics** 1982 Jul;70(1):128–31

Terminology: near-miss SIDS [letter] Nickerson BG. **Pediatrics** 1982 Mar;69(3):386

Sudden infant death syndrome: parents' perceptions and responses to the loss of their infant. Williams RA, et al. **Res Nurs Health** 1982 Jun;5(2):55–61

Infant death. Limerick. **Trans Med Soc Lond** 1979;95:110–5

[An unusual abdominal injury?] Moll H. **Monatsschr Kinderheilkd** 1981 Dec;129(12):710–1 **(Ger)**

BLOOD

Erythrocyte transketolase activity and sudden infant death [letter] Lonsdale D. **Am J Clin Nutr** 1981 Oct;34(10):2326–7

Elevated values of tri-iodothyronine in victims of sudden infant death syndrome [letter] Benjamin DR, et al. **J Pediatr** 1982 May;100(5):841

Elevated values of tri-iodothyronine in victims of sudden infant death syndrome. Chacon MA, et al. **J Pediatr** 1981 Nov;99(5):758–60

Serum T3 values and SIDS [letter] Lee WK, et al. **J Pediatr** 1982 Jul;101(1):161–2

Sudden infant death syndrome and progesterone. Ross RT. **Med Hypotheses** 1982 May;8(5):461–3

Cot death and potassium [letter] Kibblewhite KE. **NZ Med J** 1981 Dec 9;94(697):429

DIAGNOSIS

New methods to separate artifacts from normal and defective breathing patterns in different sleep-states, if infants are monitored at home. Jeffery H, et al. **Aust NZ J Med** 1981 Aug;11(4):406–11

Sudden infant death syndrome. A program for assessment and home monitoring. Hendrix K, et al. **J Med Assoc State Ala** 1982 Mar;51(9):20–2

ETIOLOGY

Seasonal relationship of sudden infant death syndrome and environmental pollutants [letter] Goldstein IF. **Am J Epidemiol** 1982 Jul;116(1):189–92

Cigarette smoke and sudden infant death syndrome. Fribourg S. **Am J Obstet Gynecol** 1982 Apr 1;142(7):934

Sudden infant death syndrome [letter]. Allison D. **Br J Hosp Med** 1981 Dec;26(6):652

The sudden infant death syndrome. Moore A. **Br J Hosp Med** 1981 Jul;26(1):37–45

Infant botulism: epidemiology and relation to sudden infant death syndrome. Arnon SS, et al. **Epidemiol Rev** 1981; 3:45–66 (77 ref.)

The epidemiology of sudden infant death syndrome. Murphy JF, et al. **J Epidemiol Community Health** 1982 Mar; 36(1):17–21

Protective role of human milk against sudden death from infant botulism. Arnon SS, et al. **J Pediatr** 1982 Apr; 100(4):568–73

Diphtheria-tetanus toxoids-pertussis vaccination and sudden infant deaths in Tennessee. Bernier RH, et al. **J Pediatr** 1982 Sep;101(3):419–21

Sudden infant death syndrome and maternal age: etiologic implications. Peterson DR, et al. **JAMA** 1982 Apr 23; 247(16):2250–2

Febrile convulsions and cot death [letter] Berry AC. **Lancet** 1981 Sep 19;2(8247):633

The enigma of cot death: is the modified-anaphylaxis hypothesis an explanation for some cases? Coombs RR, et al. **Lancet** 1982 Jun 19;1(8286):1388–9

Febrile seizures and cot deaths [letter] Koepsell TD, et al. **Lancet** 1981 Oct 17;2(8251):870

Surfactant abnormalities in babies dying from sudden infant death syndrome. Morley CJ, et al. **Lancet** 1982 Jun 12; 1(8285):1320–3

Endorphins, ventilatory control and sudden infant death syndrome--a review and synthesis. Kuich TE, et al. **Med Hypotheses** 1981 Oct;7(10):1231–40 (52 ref.)

Infantile colic and near-miss sudden infant death syndrome. Weissbluth M. **Med Hypotheses** 1981 Sep;7(9):1193–9

Sudden infant death syndrome and suspected 'near-miss': an overview for clinicians. Read DJ, et al. **Med J Aust** 1982 Jan 23;1(2):82–7 (59 ref.)

Sudden-infant-death syndrome [letter] **N Engl J Med** 1982 Sep 30;307(14):891–3

Endorphins in infant apnea [letter] Orlowski JP. **N Engl J Med** 1982 Jul 15;307(3):186–7

SIDS and near-SIDS (second of two parts). Shannon DC, et al. **N Engl J Med** 1982 Apr 29;306(17):1022–8 (73 ref.)

SIDS and near-sids (first of two parts). Shannon DC, et al. **N Engl J Med** 1982 Apr 22;306(16):959–65 (107 ref.)

Apnea and sudden infant death syndrome: proposals for a home apnea monitoring program. Luebbert SJ, et al. **Nebr Med J** 1982 May;67(5):119–24

Vagal dysfunction and sudden infant death syndrome: one possible cause and its management. Corylos E. **NY State J Med** 1982 Apr;82(5):731–5

Cot death vitreous potassium [letter] Kibblewhite KE. **NZ Med J** 1982 Apr 28;95(706):285

Cot death and potassium [letter] Money DF, et al. **NZ Med J** 1982 Mar 24;95(704):200

Sudden unexpected infantile death (SUD) of a healthy boy occurring on the doctor's examining table at a well baby clinic. Peltonen R, et al. **Padiatr Padol** 1982;17(2):219–22

Ventilatory chemoreceptor response in parents of children at risk for sudden infant death syndrome. Kanarek DJ, et al. **Pediatr Res** 1981 Nov;15(11):1402–5

An animal model for airway sensory deprivation producing obstructive apnea with postmortem findings of sudden infant death syndrome. Abu-Osba YK, et al. **Pediatrics** 1981 Dec;68(6):796–801

Influence of high altitude on sudden infant death syndrome. Barkin RM, et al. **Pediatrics** 1981 Dec;68(6):891–2

Sudden unexpected death during central hyperalimentation. Franciosi RA, et al. **Pediatrics** 1982 Mar;69(3):305–7

Phenothiazines and sudden infant death syndrome. Kahn A, et al. **Pediatrics** 1982 Jul;70(1):75–8

Sudden infant death syndrome in infants with bronchopulmonary dysplasia. Werthammer J, et al. **Pediatrics** 1982 Mar;69(3):301–4

Further thoughts on SIDS (cot death) and carbon dioxide [letter] Seifert P. **South Med J** 1981 Dec;74(12):1555

[Respiratory pauses in nocturnal sleep of infants] Guilhaume A, et al. **Arch Fr Pediatr** 1981 Nov;38(9):673–7 (Eng. Abstr.) **(Fre)**

[Anticonvulsants during pregnancy and sudden infant death (letters)] Messer J, et al. **Arch Fr Pediatr** 1981 Dec; 38(10):816 **(Fre)**

[Prolonged QT interval and sudden death in infancy. A very early manifestation] Poggio GL, et al. **Minerva Pediatr** 1981 Sep 15;33(17):867–9 (Eng. Abstr.) **(Ita)**

[Sudden infant death syndrome: a problem still unsolved] Pedretti E. **Pediatr Med Chir** 1982 Jan-Apr;4(1–2):89–95 **(Ita)**

[Sudden death and the near-miss syndrome in infants] Voiculescu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jul-Sep; 30(3):213–8 (14 ref.) **(Rum)**

[Asthma, prematurity and sudden death] Suftos Cabrera R, et al. **Alergia** 1981 Apr;28(2):79–86 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Ventilatory response to isocapnic hypoxia in parents of victims of sudden infant death syndrome. Schiffman PL, et al. **Chest** 1982 Jun;81(6):707–10

A botanist on sudden death in the young. Davidson JF. **Nebr Med J** 1981 Dec;66(12):266–7

Effects of central apneas on transcutaneous PO2 in control subjects, siblings of victims of sudden infant death syndrome, and near miss infants. Kahn A, et al. **Pediatrics** 1982 Apr;69(4):413–8

MORTALITY

Estimating probabilities from retrospective data with an application to cot death in Lambeth. Wiggins RD, et al. **Biometrics** 1981 Jun;37(2):377–82

OCCURRENCE

Sudden infant death syndrome: incidence at various altitudes. Getts AG, et al. **Dev Med Child Neurol** 1982 Feb;24(1):61–8

A single risk factor in sudden infant death and its multiple attack distribution. Taylor WB. **Int J Epidemiol** 1982 Jun; 11(2):138–45

The sudden infant death syndrome – Rotunda 1979/80. Martin LT, et al. **Ir Med J** 1982 May;75(5):158–9

What is 'near-miss' SIDS? Franciosi RA, et al. **Minn Med** 1982 Jun;65(6):345–6

[Trauma mortality or sudden infant death syndrome?] Syrovátka A, et al. **Cesk Pediatr** 1982 Feb;37(2):85–7 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Toxin-producing bacteria in infants. Lack of an association with sudden infant death syndrome. Gurwith MJ, et al. **Am J Dis Child** 1981 Dec;135(12):1104–6

Sudden and unexpected death in infancy and childhood: neuropathological findings. Ambler MW, et al. **Am J Forensic Med Pathol** 1981 Mar;2(1):23–30

The brain stem in sudden infant death syndrome. A postmortem survey. Summers CG, et al. **Am J Forensic Med Pathol** 1981 Jun;2(2):121–7

The pathologist and the sudden infant death syndrome. Valdes-Dapena M. **Am J Pathol** 1982 Jan;106(1):118–31

Problems with perinatal pathology. Bluglass K. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):736

The sinus node in sudden infant death syndrome. Kozakewich HP, et al. **Circulation** 1982 Jun;65(6):1242–6

Reye's syndrome presenting as atypical sudden infant death syndrome? Mason JK, et al. **Forensic Sci Int** 1982 Jul–Aug; 20(1):39–44

S.I.D.S.—a pathologist's diagnosis. Williams A. **Pathology** 1981 Jul;13(3):405–7

Occlusive lesions of cardiac conducting tissue arteries in sudden infant death syndrome. Anderson KR, et al. **Pediatrics** 1982 Jan;69(1):50–2

[Endocardial and subendocardial changes in sudden infant death syndrome] Sótonyi G. **Morphol Igazsagugyi Orv Sz** 1982 Jan;22(1):15–9 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Brainstem auditory evoked potentials in adult and infant sleep apnea syndromes, including sudden infant death syndrome and near-miss for sudden infant death. Stockard JJ. **Ann NY Acad Sci** 1982;388:443–65

The QT interval and sudden infant death syndrome. Guntheroth WG. **Circulation** 1982 Sep;66(3):502–4

Sinus node in SIDS [letter] Loeb JM. **Circulation** 1982 Sep; 66(3):681–2

The sudden infant death syndrome. Shannon DC. **Clin Chest Med** 1980 Sep;1(3):327–37 (54 ref.)

Developmental comparison of sleep EEG power spectral patterns in infants at low and high risk for sudden death. Sterman MB, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):166–81

Movement and gastroesophageal reflux in awake term infants with 'near miss' SIDS, unrelated to apnea. Ariagno RL, et al. **J Pediatr** 1982 Jun;100(6):894–7

Auditory brainstem responses in sudden infant death syndrome: comparison of siblings, 'near-miss,' and normal infants. Kileny P, et al. **J Pediatr** 1982 Aug;101(2):225–7

Sleep apnea, sleep duration, and infant temperament. Weissbluth M, et al. **J Pediatr** 1982 Aug;101(2):307–10

Physiological and clinical aspects of respiration control in infants with relation to the sudden infant death syndrome. Haidmayer R, et al. **Klin Wochenschr** 1982 Jan 4;60(1):9–18

Abnormal hypercarbic and hypoxic sleep arousal responses in Near-Miss SIDS infants. Hunt CE. **Pediatr Res** 1981 Nov;15(11):1462–4

Sleep parameters and respiratory variables in 'near miss' sudden infant death syndrome infants. Guilleminault C, et al. **Pediatrics** 1981 Sep;68(3):354–60

Respiratory behavior in near-miss sudden infant death syndrome. Hodgman JE, et al. **Pediatrics** 1982 Jun; 69(6):785–92

Diaphragm strength in near-miss sudden infant death syndrome. Scott CB, et al. **Pediatrics** 1982 Jun;69(6):782–4

[12-hour pattern of the waking state in the normal infant and in the infant who has survived the 'syndrome of sudden infant death' (author's transl)] Challamel MJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):28–36 (Eng. Abstr.) **(Fre)**

[Sudden infant death] Riegel K. **Med Monatsschr Pharm** 1981 May;4(5):147–50 **(Ger)**

PREVENTION & CONTROL

Apnoea monitoring at home [letter] Tyrrell DA, et al. **Arch Dis Child** 1981 Nov;56(11):892

A community program for the prevention of sudden infant death syndrome. Adler SM, et al. **J Med Assoc Ga** 1982 Jun;71(6):401–4

The issue of sleep monitoring and SIDS. Franciosi RA. **Minn Med** 1981 Sep;64(9):550

Home apnea monitoring in 'near-miss' sudden infant death syndrome (SIDS) and in siblings of SIDS victims. Duffty P, et al. **Pediatrics** 1982 Jul;70(1):69–74

[Observation of newborn, Contribution to the 'sudden infant death syndrome' (SIDS) (author's transl)] Karkut G. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):297–300 (Eng. Abstr.) **(Ger)**

[Indications for emergency care in infants] Kurshin MA, et al. **Sov Med** 1981;(11):86–6 **(Rus)**

PSYCHOLOGY

Psychosocial aspects of the sudden infant death syndrome ('cot death'). Bluglass K. **J Child Psychol Psychiatry** 1981 Oct;22(4):411–21

The cry characteristics of an infant who died of the sudden infant death syndrome. Colton RH, et al. **J Speech Hear Disord** 1981 Nov;46(4):359–63

Developmental patterns of heart rate and heart rate variability during sleep and waking in normal infants and infants at risk for the sudden infant death syndrome. Harper RM, et al. **Sleep** 1982;5(1):28–38

SUDECK'S ATROPHY

[Sudeck syndrome] Schunck R. **Z Lymphol** 1981 Dec; 5(2):95–9 **(Ger)**

COMPLICATIONS

[Osteoporosis-induced fractures in Sudeck's dystrophy] Zingher E, et al. **Z Unfallmed Berufskr** 1982;75(2):103–14 **(Ger)**

DIAGNOSIS

Sudeck's atrophy: a review of the literature. Imanuel HM, et al. **J Foot Surg** 1981 Winter;20(4):243–6 (47 ref.)

[Post-traumatic neurodystrophic syndromes in shoulder joint injuries] Lanshakov VA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):16–21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Treatment of Sudeck's syndrome with calcitonin] Taoussanis K. **Med Welt** 1981 Sep 11;32(37):1375–7 **(Ger)**

[Sodium etidronate (EHDP) and osteoporosis] Nuti R, et al. **Clin Ter** 1981 Oct 15;99(1):33–42 (Eng. Abstr.) **(Ita)**

[Synthetic salmon calcitonin. Treatment of choice in Sudeck's disease] Bisson R, et al. **Minerva Med** 1982 Apr 21; 73(17):1065–9 (Eng. Abstr.) **(Ita)**

ETIOLOGY

[Sudeck syndrome] Ernst E. **MMW** 1982 Apr 9;124(14):60 **(Ger)**

[Sudeck's bone atrophy after leg phlebography – a case study of an unusual complication (author's transl)] Grünberg G. **Rontgenblatter** 1982 Aug;35(8):307–8 (Eng. Abstr.) **(Ger)**

THERAPY

Electroacupuncture in the treatment of post-traumatic sympathetic dystrophy (Sudeck's atrophy). Chan CS, et al. **Br J Anaesth** 1981 Aug;53(8):899–902

SUDOXICAM see under **THIAZINES**

SUFFOCATION see **ASPHYXIA**

SUGAR ACIDS

Prediction of the three-dimensional structures of complexes of lysozyme with cell wall substrates. Pincus MR, et al. **Biochemistry** 1981 Jul 7;20(14):3960–5

ADMINISTRATION & DOSAGE

[Local activation of reparative processes in chronic gastroduodenal ulcer] Buianov VM, et al. **Klin Khir** 1981 Aug;(8):1–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Factors affecting the labeling efficiency and stability of technetium-99m-labeled glucoheptonate. Zbrzeznj DJ, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1499–502

Recognition of 2-keto-3-deoxyoctonate in bacterial cells and lipopolysaccharides by the sialic acid binding lectin from the horseshoe crab Carcinoscorpius rotunda cauda. Dorai DT, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):141–7

Chlamydia trachomatis has penicillin-binding proteins but not detectable muramic acid. Barbour AG, et al. **J Bacteriol** 1982 Jul;151(1):420–8

Modified USP assay of calcium gluceptate [letter] Suryanarayanan R, et al. **J Pharm Sci** 1981 Aug;70(8):968

CHEMICAL SYNTHESIS

Synthesis of L-idaro-1,4-lactone, an inhibitor of alpha-L-idosiduronase. Herd JK, et al. **Carbohydr Res** 1982 Jan 1;99(1):33–9

DIAGNOSTIC USE

The evolution of a brain abscess the complementary roles of radionuclide (RN) and computed tomography (CT) scans. Masucci EF, et al. **Clin Nucl Med** 1982 Apr; 7(4):166–70

Tc-99m glucoheptonate brain scintigraphy: a clinical comparison between one- and two-hour delayed images: concise communication. Fink-Bennett D, et al. **J Nucl Med** 1982 Jan;23(1):17–9

Tc-99m glucoheptonate in detection of lung tumors. Vorne M, et al. **J Nucl Med** 1982 Mar;23(3):250–4

Incidental demonstration of hyperthyroidism on cerebral blood-flow study with glucoheptonate [letter] Zirinsky K, et al. **J Nucl Med** 1982 Feb;23(2):180

Laboratory diagnosis of gastrinoma. II. A prospective study of gastrin challenge tests. Malagelada JR, et al. **Mayo Clin Proc** 1982 Apr;57(4):219–26

[A comparison of the pyrophosphate and glucoheptonate heart scan in 3 women with secondary cardiomyopathy (a preliminary report)] Duška F, et al. **Vnitr Lek** 1982 Jul; 28(7):661–4 **(Cze)**

ISOLATION & PURIFICATION

High-performance liquid chromatographic separation of ascorbic acid, erythorbic acid, dehydroascorbic acid, dehydroerythorbic acid, diketogulonic acid, and diketogluconic acid. Doner LW, et al. **Anal Biochem** 1981 Jul 15;115(1):225–30

METABOLISM

Pathway for D-galactonate catabolism in nonpathogenic mycobacteria. Szumiło T. **J Bacteriol** 1981 Oct; 148(1):368–70

TOXICITY

A subacute toxicity study on 99m Tc stannous Glucoheptonate injection. Belbeck L, et al. **Can J Comp Med** 1981 Jul;45(3):299–303

URINE

Increased urinary D-glucaric acid excretion by children living in an area polluted with tetrachlorodibenzoparadioxin (TCDD). Ideo G, et al. **Clin Chim Acta** 1982 Apr 23;120(3):273–83

Correlation between the level of urinary D-glucaric acid and the degree of activation of masked compound (FT-207) in cancer patients. Matsuoka S, et al. **Tohoku J Exp Med** 1981 Nov;135(3):281–90

SUGAR ALCOHOL DEHYDROGENASES

Alcohol and polyol dehydrogenases are both divided into two protein types, and structural properties cross-relate the different enzyme activities within each type. Jörnvall H, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4226–30

ADMINISTRATION & DOSAGE

Feasibility of using an isolated intestinal segment as an artificial organ for enzyme replacement therapy. Shelt D, et al. **Biomater Med Devices Artif Organs** 1982;10(1):55–62

ANALYSIS

Aldose reductase and the etiology of diabetic cataracts. Varma SD. **Curr Top Eye Res** 1980;3:91–155

Distribution of aldose reductase in ocular tissues. Kern TS, et al. **Exp Eye Res** 1981 Aug;33(2):175–82

[The characteristics of aldose reductase in human lens, placenta, and rat organs (author's transl)] Yoshida H. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):865–9 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

The effects of aldose reductase inhibitors on the metabolism of cultured monkey kidney epithelial cells. Boot-Handford R, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3065–9

Kinetics of an orally absorbed aldose reductase inhibitor, sorbinil. Foulds G, et al. **Clin Pharmacol Ther** 1981 Nov; 30(5):693–700

Inhibition of lens and cataract aldose reductase by protein-bound anti-rheumatic drugs: salicylate, indomethacin, oxyphenbutazone, sulindac. Sharma YR, et al. **Exp Eye Res** 1982 Jul;35(1):21–7

Galactose cataract prevention with sorbinil, an aldose reductase inhibitor: a light microscopic study. Datiles M, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):174–9

Studies on the sulfhydryl group of L-galactonolactone oxidase. Noguchi E, et al. **J Biochem (Tokyo)** 1981 Jul; 90(1):33–8

Isoxazolidine-3,5-diones as lens aldose reductase inhibitors. Richon AB, et al. **J Med Chem** 1982 Jun;25(6):745–7

Inhibition of human brain aldose reductase and hexonate dehydrogenase by alrestatin and sorbinil. O'Brien MM, et al. **J Neurochem** 1982 Sep;39(3):810–4

Effects of aldose reductase inhibitor treatment in diabetic polyneuropathy – a clinical and neurophysiological study. Fagius J, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov; 44(11):991–1001

Aldose reductase inhibition: studies with alrestatin. Gabbay KH, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):471–6

CP-45,634: a novel aldose reductase inhibitor that inhibits polyol pathway activity in diabetic and galactosemic rats. Peterson MJ, et al. **Metabolism** 1979 Apr;28(4 Suppl 1):456–61

Sorbinil protection of lens protein components and cell hydration during diabetic cataract formation. Beyer-Mears A, et al. **Pharmacology** 1982;24(3):193–200

[2,2',4,4'-tetrahydroxybenzophenone as a new aldose reductase inhibitor (author's transl)] Ono H, et al.

Nippon Ganka Gakkai Zasshi 1982;86(4):353-7 (Eng. Abstr.) (Jpn)

BLOOD

[Importance of determining hyperfermentemia in acute viral hepatitis] Postovit VA, et al. Klin Med (Mosk) 1982 Apr; 60(4):65-8 (Rus)

GENETICS

Sorbitol dehydrogenase (EC.1.1.1.14) polymorphism in human seminal plasma. Ibarra B, et al. Ann Genet (Paris) 1982;25(1):53-5

Ribitol dehydrogenase messenger RNA from an enzyme superproducer strain of Klebsiella aerogenes. Purification, cell-free translation and studies in vitro and in vivo. Bahramian MB, et al. Eur J Biochem 1982 Feb; 122(2):271-82

Structure of an experimentally evolved gene duplication encoding ribitol dehydrogenase in a mutant of Klebsiella aerogenes. Neuberger MS, et al. J Gen Microbiol 1981 Feb; 122(Pt 2):181-91

ISOLATION & PURIFICATION

Purification and properties of the xylitol dehydrogenase from Pullularia pullulans. Sugai JK, et al. An Acad Bras Cienc 1981 Mar;53(1):183-93

Rapid purification of human placental aldose reductase. Kador PF, et al. Anal Biochem 1981 Jun;114(1):53-8

Affinity purification and glucose specificity of aldose reductase from bovine lens. Inagaki K, et al. Arch Biochem Biophys 1982 Jun;216(1):337-44

Specific affinity of glycerol dehydrogenase from Geotrichum candidium for 10-carboxydecyl-sepharose: its application to chromatography for purification of the enzyme. Sasaki I, et al. J Biochem (Tokyo) 1982 Jan;91(1):211-7

METABOLISM

Localization of aldose reductase and sorbitol dehydrogenase in the nervous system of normal and diabetic rats. Orosz SE, et al. Acta Diabetol Lat 1981 Oct-Dec;18(4):373-81

Purification and kinetic characterization of mannitol-1-phosphate dehydrogenase from Aspergillus niger. Kiser RC, et al. Arch Biochem Biophys 1981 Oct 15;211(2):613-21

Pathway of galactitol catabolism in Klebsiella pneumoniae: oxidation of L-galactitol-1-phosphate by a NAD-specific dehydrogenase. Markwell JP, et al. Arch Biochem Biophys 1981 Jul;209(2):592-7

Administration of isolated chicken L-gulonolactone oxidase to guinea pigs evokes ascorbic acid synthetic capacity. Sato PH, et al. Arch Biochem Biophys 1981 Sep;210(2):609-16

Compartmentation of cytosolic dehydrogenases studied by transfer of tritium from labelled substrates into lactate in rat hepatocytes. Vind C, et al. Biochim Biophys Acta 1982 Jun 8;720(3):295-302

Immunocytochemical evidence for the specific localization of aldose reductase in rat Sertoli cells. Ludvigson MA, et al. Biol Reprod 1982 Mar;26(2):311-7

Properties of sorbitol dehydrogenase and characterization of a reactive cysteine residue reveal unexpected similarities to alcohol dehydrogenases. Jeffery J, et al. Eur J Biochem 1981 Nov;120(2):229-34

Lens aldose reductase in diabetic and galactosemic cataracts. Parmar NS, et al. Indian J Physiol Pharmacol 1981 Jul-Sep; 25(3):193-200 (34 ref.)

Pig brain aldose reductase: a kinetic study using the centrifugal fast analyzer. Boghosian RA, et al. Int J Biochem 1981;13(8):909-14

Biogenic aldehyde metabolism in rat brain: subcellular distribution of aldose reductase and valproate-sensitive aldehyde reductase. Turner AJ, et al. J Neurochem 1982 Aug;39(2):306-9

Aldose reductase in diabetic complications of the eye. Kinoshita JH, et al. Metabolism 1979 Apr;28(4 Suppl 1):462-9 (30 ref.)

[Changes of sorbitol dehydrogenase (SDH) activity in rats subjected to double stress (dry heat and fasting)] Gulisano G, et al. Arch Sci Med (Torino) 1981 Oct-Dec;138(4):445-8 (Ita)

[Activity of the enzyme of the 2d step of flavinogenesis, 2,5-diamino-6-hydroxy-4-ribosylaminopyrimidine-5'-pho reductase, in Pichia guilliermondii yeasts] Shavlovskil GM, et al. Mikrobiologiia 1981 Nov-Dec;50(6):1008-11 (Eng. Abstr.) (Rus)

SUGAR ALCOHOL OXIDOREDUCTASES see SUGAR ALCOHOL DEHYDROGENASES

SUGAR ALCOHOLS

Enhancement of detection for partially methylated alditol acetates by chemical ionization mass spectrometry. Laine RA. Anal Biochem 1981 Sep 15;116(2):383-8

ADMINISTRATION & DOSAGE

Enhanced cell killing through the use of cell kinetics-directed treatment schedules for two-drug combinations in vitro. Barranco SC, et al. Cancer Res 1982 Jul;42(7):2894-8

Combination carmustine (BCNU) and dianhydrogalactitol in the treatment of primary brain tumors recurring after irradiation. Eagan RT, et al. Cancer Treat Rep 1982 Aug; 66(8):1647-9

Clinical and pharmacologic evaluation of split-dose intermittent therapy with dianhydrogalactitol. Eagan RT, et al. Cancer Treat Rep 1982 Feb;66(2):283-7

ANALYSIS

Capillary gas chromatography of methylhexitol acetates obtained upon methylation of N-glycosidically linked glycoprotein oligosaccharides. Geyer R, et al. Anal Biochem 1982 Apr;121(2):263-74

Occurrence of ribitol-containing lipoteichoic acid in Staphylococcus aureus H and its glycosylation. Arakawa H, et al. J Biochem (Tokyo) 1981 May;89(5):1555-63

[Gas chromatographic analysis of free sugars and polyols in human cataractous lens (author's transl)] Ono H, et al. Nippon Ganka Gakkai Zasshi 1981 Sep 10;85(9):1475-8 (Eng. Abstr.) (Jpn)

METABOLISM

Pathway of galactitol catabolism in Klebsiella pneumoniae: oxidation of L-galactitol-1-phosphate by a NAD-specific dehydrogenase. Markwell JP, et al. Arch Biochem Biophys 1981 Jul;209(2):592-7

Sugar and sugar alcohols. Crapo PA. ASDC J Dent Child 1982 Mar-Apr;49(2):136-8 (16 ref.)

Clinical and pharmacologic evaluation of split-dose intermittent therapy with dianhydrogalactitol. Eagan RT, et al. Cancer Treat Rep 1982 Feb;66(2):283-7

Maltitol and maltotriitol as inhibitors of acid production in human dental plaque. Würsch P, et al. Caries Res 1982; 16(2):90-5

Xylitol-mediated transient inhibition of ribitol utilization by Lactobacillus casei. London J, et al. J Bacteriol 1982 May; 150(2):657-61

Effect of intracytoplasmic membrane development on oxidation of sorbitol and other polyols by Gluconobacter oxydans. White SA, et al. J Bacteriol 1982 May; 150(2):934-43

Rate of arabinitol production by pathogenic yeast species. Bernard EM, et al. J Clin Microbiol 1981 Aug;14(2):189-94

A mutant inducible for galactitol utilization in Escherichia coli K12. Delidakis CE, et al. J Gen Microbiol 1982 Mar; 128(Pt 3):601-4

The arabinitol appearance rate in laboratory animals and humans: estimation from the arabinitol/creatine ratio and relevance to the diagnosis of candidiasis. Wong B, et al. J Infect Dis 1982 Sep;146(3):353-9

Increased arabinitol levels in experimental candidiasis in rats: arabinitol appearance rates, arabinitol/creatinine ratios, and severity of infection. Wong B, et al. J Infect Dis 1982 Sep; 146(3):346-52

Inverted repeats surround the ribitol-arabitol genes of E. coli C. Link CD, et al. Nature 1982 Jul 1;298(5869):94-6

PHARMACODYNAMICS

Influence of dianhydrogalactitol on some platelet functions in vitro. Kubisz P, et al. Acta Haematol (Basel) 1981; 66(1):27-30

The effects of sugar alcohols on metabolism of growing pigs. Näsi M, et al. Acta Vet Scand 1981;22(3-4):344-54

Effect of phenobarbital on the toxicity and antitumor activity of dibromodulcitol and dianhydrogalactitol. Gáti E, et al. Arzneimittelforsch 1982;32(2):149-51

Reduction of lethal toxicity of chloroethylnitrosoureas by sugar alcohols without loss of antitumor activity. Tashiro T, et al. Cancer Chemother Pharmacol 1982;8(2):183-8

[Alteration of biogenic amines, serotonin, histamine and polyamines, in cases of diarrhea induced by sugar alcohols (author's transl)] Niwa H, et al. Yakugaku Zasshi 1981 Jun; 101(6):567-74 (Eng. Abstr.) (Jpn)

THERAPEUTIC USE

Chemotherapeutic approaches to brain tumors. Experimental observations with dianhydrogalactitol and dibromodulcitol. Levin VA, et al. Cancer Chemother Pharmacol 1982; 8(1):125-31

Use of 1,2:5,6-dianhydrogalactitol in studies on cell kinetics-directed chemotherapy schedules in human tumors in vivo. Barranco SC, et al. Cancer Res 1982 Jul; 42(7):2899-2905

Phase II trial of dianhydrogalactitol in advanced renal cell carcinoma: a Southwest Oncology Group study. Ratanatharathorn V, et al. Cancer Treat Rep 1982 May; 66(5):1231-2

Dianhydrogalactitol in the treatment of children with primary brain tumors [letter] Weinblatt ME, et al. Cancer Treat Rep 1981 Sep-Oct;65(9-10):923-4

TOXICITY

Higher resistance of germfree mice to dianhydrodulcitol, a lymphotropic cytostatic agent. Anderlik P, et al. Acta Microbiol Acad Sci Hung 1982;29(1):33-40

[Effects of 1,2:5,6-dianhydrogalactitol on the bone marrow stem cells in normal and melanoma-bearing mice (author's transl)] Fan YJ, et al. Chung Kuo Yao Li Hsueh Pao 1980 Dec;1(2):112-5 (Eng. Abstr.) (Chi)

URINE

Estimation of sugar alcohols by gas-liquid chromatography using a modified acetylation procedure. Mount JN, et al. J Chromatogr 1981 Nov 13;226(1):191-7

SUGAR PHOSPHATES

Formation of a carboxyarabinitol bisphosphate complex with ribulose bisphosphate carboxylase/oxygenase and theoretical specific activity of the enzyme. Hall NP, et al. Arch Biochem Biophys 1981 Nov;212(1):115-9

ANALYSIS

31P nuclear magnetic resonance analysis of Penicillium ochro-chloron. Matsunaga T, et al. Biochem Biophys Res Commun 1982 May 31;106(2):596-601

A novel, highly modified, bacteriophage DNA in which thymine is partly replaced by a phosphoglucuronate moiety covalently bound to 5-(4',5'-dihydroxypentyl)uracil. Ehrlich M, et al. J Biol Chem 1981 Oct 10;256(19):9966-72

BIOSYNTHESIS

Isolation and characterization of a temperature-sensitive lethal mutant of Salmonella typhimurium that is conditionally defective in 3-deoxy-D-manno-octulosonate-8-phosphate synthesis. Rick PD, et al. J Bacteriol 1982 May;150(2):447-55

Relationship between cell death and altered lipid A synthesis in a temperature-sensitive lethal mutant of Salmonella typhimurium that is conditionally defective in 3-deoxy-D-manno-octulosonate-8-phosphate synthesis. Rick PD, et al. J Bacteriol 1982 May;150(2):456-64

METABOLISM

Occurrence and significance of octulose phosphates in liver. Horecker BL, et al. Ann NY Acad Sci 1982;378:215-24

Retinal ligatin recognizes glycoproteins bearing oligosaccharides terminating in phosphodiester-linked glucose. Marchase RB, et al. Cell 1982 Apr;28(4):813-20

Regulation of hepatic altro heptulose 1,7-bisphosphate levels and control of flux through the pentose pathway by fructose 2,6-bisphosphate. Blackmore PF, et al. FEBS Lett 1982 Jun 7;142(2):255-9

Isolation of a stable enzyme.14CO2.Mg2+.carboxyarabinitol bisphosphate complex with ribulosebisphosphate carboxylase from Chromatium vinosum. Brown HM, et al. J Bacteriol 1982 Mar;149(3):1159-61

PHARMACODYNAMICS

Regulation of hepatic phosphofructokinase by 6-phosphogluconate. Sommercorn J, et al. J Biol Chem 1982 Aug 25;257(16):9424-8

SUGARS see CARBOHYDRATES

SUGGESTION

see related AUTOGENIC TRAINING

Hypnosis and control. Brink NE. Am J Clin Hypn 1981 Oct; 24(2):109-16

Untying a 'not'. Gindhart LR. Am J Clin Hypn 1981 Oct; 24(2):117-23

The production of warts by suggestion as a cultural phenomenon. Gravitz MA. Am J Clin Hypn 1981 Apr; 23(4):281-3

Augmentation of systematic desensitization of snake phobia through posthypnotic dream suggestion. O'Brien RM, et al. Am J Clin Hypn 1981 Apr;23(4):231-8

Hysterical seizures: suggestion as a provocative EEG test. Cohen RJ, et al. Ann Neurol 1982 Apr;11(4):391-5

Lateral asymmetry in bodily response to hypnotic suggestions. Sackeim HA. Biol Psychiatry 1982 Apr; 17(4):437-47

Suggestibility, low intelligence and a confession to crime. Coid J. Br J Psychiatry 1981 Nov;139:436-8

Suggestibility and cognitive style: a brief communication. Bergerone C, et al. Int J Clin Exp Hypn 1981 Oct; 29(4):355-7

A signal detection study of the effects of suggested improvement on the monocular visual acuity of myopes. Sheehan EP, et al. Int J Clin Exp Hypn 1982 Apr; 30(2):138-46

Effects of suggestion on increasing or decreasing skin temperature control. Bregman NJ, et al. Int J Neurosci 1981;14(3-4):205-10

Cognitive activity and suggestions for analgesia in the reduction of reported pain. Spanos NP, et al. J Abnorm Psychol 1981 Dec;90(6):554-61

Hypnotic deafness: now you hear it-now you still hear it. Spanos NP, et al. J Abnorm Psychol 1982 Feb;91(1):75-7

Hypnotic susceptibility and conformity: in the mediational mechanism of suggestibility. Shames ML. Psychol Rep 1981 Oct;49(2):563-6

[Psychoprophylactic technics in the delivery room] Rychter A. Wiad Lek 1981 May 1;34(9):799-803 (Eng. Abstr.) (Pol)

[Hypnosis and music analgesia in the postoperative period] Frid IA, et al. Anesteziol Reanimatol 1981 Sep-Oct;(5):30-2 (Eng. Abstr.) (Rus)

[Clinical problems of suggestibility] Linetskii ML. Vrach Delo 1982 Jan;(1):95-8 (Eng. Abstr.) (Rus)

[Effect of hyperventilation on depression of the EEG alpha

rhythm caused by a suggested visual image] Shmel'kina RD. **Zh Nevropatol Psikhiatr** 1981;81(9):1379–81 (Eng. Abstr.) **(Rus)**

METHODS

Enuresis, homoeopathy, and enhancement of the placebo effect. Stanton HE. **Am J Clin Hypn** 1981 Jul;24(1):59–61

SUICIDE

Suicide in children. Renshaw DC. **Am Fam Physician** 1981 Dec;24(6):123–7

New aluminum-jacketed ammunition: the case of the 'invisible' jacket. Conradi SE.
Am J Forensic Med Pathol 1982 Jun;3(2):153–5

Forensic cases of note. Eckert WG.
Am J Forensic Med Pathol 1981 Jun;2(2):171–3

Multishot firearm suicide. Examination of 58 cases. Hudson P. **Am J Forensic Med Pathol** 1981 Sep;2(3):239–42

Effects of United States presidential elections on suicide and other causes of death. Boor M. **Am Sociol Rev** 1981 Oct; 46(5):616–8

Massive diphenhydramine overdose resulting in death. Krenzelok EP, et al. **Ann Emerg Med** 1982 Apr;11(4):212–3

Suicide by ingestion of caffeine. Bryant J.
Arch Pathol Lab Med 1981 Dec;105(12):685–6

Management of suicide risk [letter] **Br J Psychiatry** 1981 Jan; 138:81

Sex difference in seasonal variations in suicide rate [letter] Skutsch GM. **Br J Psychiatry** 1981 Jul;139:80–1

A suicidal family. Zaw KM. **Br J Psychiatry** 1981 Jul; 139:68–9

Death due to overdose of nefopam. Piercy DM, et al.
Br Med J [Clin Res] 1981 Dec 5;283(6305):1508–9

Suicide and accidental death at Beachy Head. Surtees SJ. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):321–4

Environmental power-frequency magnetic fields and suicide. Perry FS, et al. **Health Phys** 1981 Aug;41(2):267–77

Suicide with two guns fired simultaneously [letter] Hudson P. **J Forensic Sci** 1982 Jan;27(1):6–7

Suicide by ingestion of propranolol. Jones JW, et al.
J Forensic Sci 1982 Jan;27(1):213–6

Fatal ingestions in Edinburgh 1974–78. Campbell S, et al. **Med Sci Law** 1981 Jul;21(3):159–69

A group of shootings. Lee KA. **Med Sci Law** 1981 Jul; 21(3):201

Single suicidal stab wounds–a study of three cases. West I. **Med Sci Law** 1981 Jul;21(3):198–201

Symptom patterns in unipolar and bipolar depression correlating with monoamine metabolites in the cerebrospinal fluid: II. Suicide. Agren H.
Psychiatry Res 1980 Oct;3(2):225–36

Tritiated imipramine binding sites are decreased in the frontal cortex of suicides. Stanley M, et al. **Science** 1982 Jun 18; 216(4552):1337–9

Bereavement group for parents who suffered a suicidal loss of a child. Hatton CL, et al. **Suicide Life Threat Behav** 1981 Fall;11(3):141–50

The primary care physician and the suicidal patient. Nelson WH. **W Va Med J** 1981 Nov;77(11):286–8

[Hypoglycemia after suicidal ingestion of glibenclamide (Daonil) Report of a fatal case] Pugesgaard T, et al.
Ugeskr Laeger 1981 Jun 29;143(27):1712–3 (Eng. Abstr.) **(Dan)**

[The application of family therapy in an acute situation of threat of suicide in an adolescent (author's transl)] Philippe MF. **Neuropsychiatr Enfance Adolesc** 1981 Jul–Aug; 29(7):373–7 (Eng. Abstr.) **(Fre)**

[Suicide with an unusual shooting apparatus. A case report] Schmidt V, et al. **Arch Kriminol** 1981 Jan–Feb; 167(1–2):11–20 **(Ger)**

[Toxicologic course studies in thallium poisoning] Erkens M, et al. **Beitr Gerichtl Med** 1981;39:157–61 **(Ger)**

[Morphology of injuries of the larynx and hyoid bone in hanging (with special reference to the cricoid cartilage)] Missliwetz J. **Beitr Gerichtl Med** 1981;39:357–63 (Eng. Abstr.) **(Ger)**

[Gagging in the frame of combined suicides] Pollak S, et al. **Beitr Gerichtl Med** 1981;39:129–36 (Eng. Abstr.) **(Ger)**

[The position of alcohol effect on suicide] Schmidt V, et al. **Beitr Gerichtl Med** 1981;39:279–86 (Eng. Abstr.) **(Ger)**

[Rifampicin poisoning with fatal course] Unterdorfer H, et al. **Beitr Gerichtl Med** 1981;39:393–6 (Eng. Abstr.) **(Ger)**

[Differentiation of suicidal and accidental alcohol–barbiturate poisoning with lethal outcome] Pedal I, et al.
Lebensversicherungsmedizin 1981 Sep 10;33(7):161–5 (Eng. Abstr.) **(Ger)**

['Bolt projectiles' discharged from modified humane killers (author's transl)] Pollak S, et al. **Z Rechtsmed** 1981; 87(4):279–85 (Eng. Abstr.) **(Ger)**

[A remarkable case of suicide by electricity. (A contribution to the problem of Vital Reaction) (author's transl)] Schneider V. **Z Rechtsmed** 1981;87(4):305–13 **(Ger)**

[Suicide by inserting a sewing needle into the heart] Klevno VA. **Sud Med Ekspert** 1982 Apr–Jun;25(2):52 **(Rus)**

HISTORY

[The suicide problem in Stefan Zweig's works] Haenel T. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):297–314 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Compensation for suicide following job-related injury. Gravely SD. **Med Leg Bull** 1981 Nov–Dec;30(6):1–9

[Forensic psychiatry study of suicide (author's transl)] Soubrier JP. **Ann Med Psychol (Paris)** 1982;140(2):177–92 (Eng. Abstr.) **(Fre)**

[Legal aspects of suicide (author's transl)] Möllhoff G.
Psychiatr Prax 1982 Jan;9(1):1–11 (Eng. Abstr.) **(Ger)**

[Suicidal strangulation by ligature (author's transl)] Koops E, et al. **Z Rechtsmed** 1982;88(3):221–31 (Eng. Abstr.) **(Ger)**

[Fatal intoxications in Debrecen. Analysis of the cases from 1958 to 1981 (author's transl)] Zsigmond K, et al.
Z Rechtsmed 1982;88(3):233–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Duodenal ulcer, suicide, psychopathology and alcoholism. Knop J, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):346–55

Blunt force lesions related to the heights of a fall. Gupta SM, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):35–43

Suicide, affective disorder, and women physicians. Carlson GA, et al. **Am J Psychiatry** 1981 Oct;138(10):1330–5

Prediction of adolescent suicide: a population model. Holinger PC, et al. **Am J Psychiatry** 1982 Mar;139(3):302–7

Testing the theory of status integration and suicide rates. Gibbs JP. **Am Sociol Rev** 1982 Apr;47(2):227–37

Risk factors for suicide in psychiatric patients. Roy A.
Arch Gen Psychiatry 1982 Sep;39(9):1089–95

A sex difference in the seasonal variation of suicide rate: a single cycle for men, two cycles for women. Meares R, et al. **Br J Psychiatry** 1981 Apr;138:321–5

Seasonal variation in depressive disorders and suicidal deaths in New South Wales. Parker G, et al. **Br J Psychiatry** 1982 Jun;140:626–32

The suicide rate in schizophrenia. Wilkinson DG.
Br J Psychiatry 1982 Feb;140:138–41

Central nervous system depression: performance decrements, abnormal behavior, suicide. Bruce DL.
Int Anesthesiol Clin 1981 Winter;19(4):121–30

Trends in violent death among the elderly. Wilbanks W.
Int J Aging Hum Dev 1981–82;14(3):167–75

Self-destructiveness among the young: an epidemiological study of violent deaths. Holinger PC.
Int J Soc Psychiatry 1981 Winter;27(4):277–82

Homicide and suicide among the Cherokee and Lumbee Indians of North Carolina. Humphrey JA, et al.
Int J Soc Psychiatry 1982 Summer;28(2):121–8

Communication of suicidal intent and suicide in unipolar depression. A forty year follow-up. Tsuang MT, et al.
J Affective Disord 1979 Sep;1(3):219–25

The epidemiology of suicide in children and young adolescents. Shaffer D, et al.
J Am Acad Child Psychiatry 1981 Summer;20(3):545–65

Suicide rates among cancer patients in Connecticut. Fox BH, et al. **J Chronic Dis** 1982 Feb;35(2):89–100

The accuracy of officially reported suicide statistics for purposes of epidemiological research. Sainsbury P, et al.
J Epidemiol Community Health 1982 Mar;36(1):43–8

Adolescent suicide and the pediatrician. Hodgman CH, et al. **J Pediatr** 1982 Jul;101(1):118–23

Suicide and deliberate self-injury [editorial]
J R Coll Gen Pract 1981 Oct;31(231):580–1

Alcohol and suicide and homicide. Lester D.
J Stud Alcohol 1980 Nov;41(11):1220–3

Alcohol in association with suicide and attempted suicide in young women. Goldney RD. **Med J Aust** 1981 Aug 22;2(4):195–7

Self-poisoning with drugs: a 3 1/2-year study in Newcastle, NSW. Myers JB, et al. **Med J Aust** 1981 Oct 17;2(8):402–5

Suicide in rural New South Wales: comparison with metropolitan experience. Renwick MY, et al.
Med J Aust 1982 May 1;1(9):377–80

Suicide rates in the Lundby study: mental illness as a risk factor for suicide. Hagnell O, et al. **Neuropsychobiology** 1981;7(5):248–53

Physician suicide. A report from the AMA's Board of Trustees. **Ohio State Med J** 1982 Feb;78(2):75, 78

Suicide in a remote preliterate society in the highlands of Papua New Guinea. Smith D.
Papua New Guinea Med J 1981 Dec;24(4):242–6

Suicide by burning as an epidemic phenomenon: an analysis of 82 deaths and inquests in England and Wales in 1978–9. Ashton JR, et al. **Psychol Med** 1981 Nov;11(4):735–9

Suicide during 1961–70 migrants in Australia. Burvill PW, et al. **Psychol Med** 1982 May;12(2):295–308

Relationship of 1977 state suicide rates to population increases and immigration. Boor M. **Psychol Rep** 1981 Dec; 49(3):856–8

Suicide among minority elderly: a preliminary investigation. McIntosh JL, et al. **Suicide Life Threat Behav** 1981 Fall; 11(3):151–66

[Development of the suicide rate in the South Moravian Region in 1964–1979 (author's transl)] Bouček J, et al.
Cesk Psychiatr 1981 Jun;77(3):153–9 (Eng. Abstr.) **(Cze)**

[Connection between the incidence of suicide and atmospheric pressure] Waehrens J. **Ugeskr Laeger** 1981 Nov 2;143(45):2993–6 (Eng. Abstr.) **(Dan)**

[Mortality of suicide in French-speaking Switzerland from 1970 to 1979] Etienne PA. **Soz Praventivmed** 1981 Oct; 26(5):296 **(Fre)**

[Suicide and old age] Summa JD, et al. **Med Welt** 1982 Apr 16;33(15):566–9 **(Ger)**

[Suicide in the psychiatric institution (author's transl)] Modestin J. **Nervenarzt** 1982 May;53(5):254–61 **(Ger)**

[Suicide in Budapest in 1881–82. Comparison with current autopsy records] Valenti R.
Morphol Igazsagugyi Orv Sz 1982 Jan;22(1):67–70 (Eng. Abstr.) **(Hun)**

[Periodicity in the incidence of suicide] Mysiak A.
Wiad Lek 1982 Apr 15;35(2):129–33 (Eng. Abstr.) **(Pol)**

[Mortality from violent causes in the municipality of São Paulo, Brazil. III - Intentional deaths] Jorge MH.
Rev Saude Publica 1981 Apr;15(2):165–93 (Eng. Abstr.) **(Por)**

[Suicides in Vršac] Beslin M, et al. **Med Pregl** 1981; 34(5–6):231–3 (Eng. Abstr.) **(Sec)**

[Epidemiological aspects of suicide in Guadalajara] García de Alba JE, et al. **Salud Publica Mex** 1981 May–Jun; 23(3):245–57 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Drug treatment of suicidal behaviour. Montgomery SA, et al. **Adv Biochem Psychopharmacol** 1982;32:347–55

Suicide. Garvey MJ, et al. **Am Fam Physician** 1982 May; 25(5):157–9

Was this suicide preventable? Hoff LA, et al. **Am J Nurs** 1982 Jul;82(7):1106–11

Depression and suicide prevention. Sainsbury P.
Bibl Psychiatr 1982;162:17–32

The practitioner and suicide prevention: an inquiry. Souris M, et al. **Bibl Psychiatr** 1982;162:33–41

Management of suicidal behaviour. Morgan HG.
Br J Psychiatry 1981 Mar;138:259–60

A critique of volunteer-staffed suicide prevention centres. Hirsch S. **Can J Psychiatry** 1981 Oct;26(6):406–10

Work in progress. preventing suicide among physicians and other members of the health-care team. Sargent DA.
Conn Med 1981 Sep;45(9):583–6

Medical ethics and political protest. Dooley-Clarke D.
Hastings Cent Rep 1981 Dec;11(6):5–8

A study of referral failures for potentially suicidal patients: a method of medical care evaluation. Knesper DJ.
Hosp Community Psychiatry 1982 Jan;33(1):49–52

Suicide the hush-hush killer. Fleming TC. **Postgrad Med** 1981 Dec;70(6):13, 16

Suicide in the elderly: are we heeding the warnings? Osgood NJ. **Postgrad Med** 1982 Aug;72(2):123–30

Suicide potential: evaluation by nonpsychiatrists. West DA, et al. **Postgrad Med** 1982 Jul;72(1):203–5, 208–12

Use of barbiturate suppositories [letter] Siegel RJ, et al.
West J Med 1981 Aug;135(2):160

[Depression--somatization--suicide. 3. Principles of somatologic and psychotherapeutic treatment in ambulatory practice. 1. Basis of therapy] Hertrich O.
Fortschr Med 1981 Sep 3;99(33):1296–300 **(Ger)**

[Depression - somatization - suicide. Part 3: Principles of somatologic and psychotherapeutic treatment in ambulatory care. Guided use of psychopharmaceuticals] Hertrich O. **Fortschr Med** 1981 Sep 24;99(36):1428–33 **(Ger)**

[Handling suicide in childhood and adolescence--therapy and prevention] Remschmidt H.
Prax Kinderpsychol Kinderpsychiatr 1982 Feb–Mar; 31(2):35–40 **(Ger)**

[Epidemiological evaluation of suicide prevention programmes (author's transl)] Kurz A, et al.
Psychiatr Prax 1982 Jan;9(1):12–9 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Prediction of suicide. A prospective study of suicides and controls among psychiatric patients. Borg SE, et al.
Acta Psychiatr Scand 1982 Mar;65(3):221–32

Prevalence of suicidal feelings in a sample of non-consulting medical students. Okasha A, et al. **Acta Psychiatr Scand** 1981 May;63(5):409–15

The risk of assaultive behavior in suicidal patients. Tardiff K. **Acta Psychiatr Scand** 1981 Oct;64(4):295–300

Adolescent suicide: etiology and treatment. Miller D.
Adolesc Psychiatry 1981;9:327–42 (26 ref.)

The loner: an exploration of a suicidal subtype in adolescence. Peck ML. **Adolesc Psychiatry** 1981;9:461–6

Adolescent suicide: psychosocial and cognitive aspects. Petzel SV, et al. **Adolesc Psychiatry** 1981;9:343–98 (125 ref.)

Sexual differences in the suicidal behavior of young people. Rosenthal MJ. **Adolesc Psychiatry** 1981;9:422–42

The interlocking psychologies of suicide and adolescence. Tabachnick N. **Adolesc Psychiatry** 1981;9:399–410

Parental permission to date and its relationship to drug use and suicidal thoughts among adolescents. Wright LS.
Adolescence 1982 Summer;17(66):409–18

Suicidal motor vehicle fatalities in Detroit: a replication. Bollen KA, et al. **AJS** 1981 Sep;87(2):404–12

Nondepressive/nonalcoholic-linked suicides [letter] Ulus MF. **Am Fam Physician** 1982 Aug;26(2):26, 28

Suicidal behavior and the DST: lack of association [letter] **Am J Psychiatry** 1982 Sep;139(9):1214–5

Aggression, suicide, and serotonin: relationships to CSF amine metabolites. Brown GL, et al. **Am J Psychiatry** 1982 Jun;139(6):741–6

Psychotherapy and suicide. Hendin H. **Am J Psychother** 1981 Oct;35(4):469–80
The family system of suicidal children. Pfeffer CR. **Am J Psychother** 1981 Jul;35(3):330–41
Observations on double suicide: review of the literature and two case reports. Santy PA. **Am J Psychother** 1982 Jan; 36(1):23–31
Depression and suicide in children: an overview. Toolan JM. **Am J Psychother** 1981 Jul;35(3):311–22
Suicide and depressive illness. Chia BH. **Ann Acad Med Singapore** 1981 Jan;10(1):136–9
Organ donation: one family's story. Kimball L. **AORN J** 1982 Jul;36(1):50–2
The neurology of affective disorder and suicide. Whitlock FA. **Aust NZ J Psychiatry** 1982 Mar;16(1):1–12
Prediction of suicidal behaviors. Kovacs M. **Bibl Psychiatr** 1982;162:61–76
How useful is the prediction of suicide following parasuicide? Kreitman N. **Bibl Psychiatr** 1982;162:77–84
Biochemical and psychopathological predictors of suicidality. van Praag HM. **Bibl Psychiatr** 1982;162:42–60
Functional analysis of suicidal behaviors. Wilmotte J, et al. **Bibl Psychiatr** 1982;162:85–100
Suicide in San Francisco. Potts SG. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):198–9
Early parental loss and suicidal ideation in university students. Adam KS, et al. **Can J Psychiatry** 1982 Jun; 27(4):275–81
Adolescent suicide. A comparison of attempters and nonattempters in an emergency room population. McKenry PC, et al. **Clin Pediatr (Phila)** 1982 May;21(5):266–70
Suicidal behavior of children. Pfeffer CR. **Except Child** 1981 Oct;48(2):170–2
Reliability and rationality in the prediction of suicide. Kaplan RD, et al. **Hosp Community Psychiatry** 1982 Mar; 33(3):212–5
Depression, hopelessness, and suicidal intent among heroin addicts. Emery GD, et al. **Int J Addict** 1981 Apr; 16(3):425–9
Mellowing with age: factors influencing the nonwhite suicide rate. Seiden RH. **Int J Aging Hum Dev** 1981;13(4):265–84 (36 ref.)
Notes on the linkage between the sexually abused child and the suicidal adolescent. Anderson LS. **J Adolesc** 1981 Jun; 4(2):157–62
Life stress and symptomatology: determinants of suicidal behavior in children. Cohen-Sandler R, et al. **J Am Acad Child Psychiatry** 1982 Mar;21(2):178–86
Maternal abandonment threats, mind-body relations and suicidal wishes. Eigen M. **J Am Acad Psychoanal** 1981 Oct; 9(4):561–82
Suicide by psychiatrists [letter] Shevitz S. **J Clin Psychiatry** 1981 Nov;42(11):447
Attitudes toward suicide: a factor analytic approach. Domino G, et al. **J Clin Psychol** 1982 Apr;38(2):257–62
Assessment of suicide ideation and parasuicide: hopelessness and social desirability. Linehan MM, et al. **J Consult Clin Psychol** 1981 Oct;49(5):773–5
Affect configurations and changes in women who threaten suicide following a crisis. Neuringer C. **J Consult Clin Psychol** 1982 Apr;50(2):182–6
Family constellation factors and parent suicide potential. Wenz FV. **J Nerv Ment Dis** 1982 May;170(5):270–4
Teenage suicide. Shrier DK. **JDBP** 1981 Dec;2(4):155–9
Case report—hysterical amnesia as an alternative to suicide. Gudjonsson GH, et al. **Med Sci Law** 1982 Jan;22(1):68–72
Prior public health agency contacts of individuals committing suicide. Fleer J, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1319–24
Counselor's recognition of factors in lethality of suicide. Holmes CB, et al. **Psychol Rep** 1981 Aug;49(1):183–6
The suicide notes of young and old people. Lester D, et al. **Psychol Rep** 1982 Feb;50(1):334
Comparative analysis of immigration and suicide. Stack S. **Psychol Rep** 1981 Oct;49(2):509–10
Life-threatening indicators among the Indochinese refugees. Alley JC. **Suicide Life Threat Behav** 1982 Spring; 12(1):46–51
Rational suicide: an impoverished self-transformation. Maris R. **Suicide Life Threat Behav** 1982 Spring;12(1):4–16
Suicide by industry and occupation: a structural-change approach. Reinhart GR, et al. **Suicide Life Threat Behav** 1982 Spring;12(1):34–45
On 'therefore I must kill myself'. Shneidman ES. **Suicide Life Threat Behav** 1982 Spring;12(1):52–5
Suicide thoughts and reflections, 1960–1980. Shneidman ES. **Suicide Life Threat Behav** 1981 Winter;11(4):195–364
Heroes as fathers. Weinstein JD. **Suicide Life Threat Behav** 1982 Spring;12(1):17–33
Suicidal behavior: toward an explanation of differences in female and male rates. Wilson M. **Suicide Life Threat Behav** 1981 Fall;11(3):131–40
[On the factors influencing the possibilities of prevention of suicides (author's transl)] Prokupek J. **Cesk Psychiatr** 1982 Apr;78(2):88–94 (Eng. Abstr.) **(Cze)**
[Suicidal behavior in children] Duché DJ. **Bull Acad Natl Med (Paris)** 1981 Nov;165(8):1091–7 (Eng. Abstr.) **(Fre)**
[Suicide in old age – a sociological view (author's transl)] Gröschke-Bachmann D. **Aktuel Gerontol** 1982 Mar; 12(2):60–3 (Eng. Abstr.) **(Ger)**
[Suicide after trauma] Funk F. **Fortschr Med** 1981 Dec 3; 99(45):1867–9 **(Ger)**
[Suicides during treatment in a psychiatric hospital (author's transl)] Schlosser J, et al. **Psychiatr Prax** 1982 Jan;9(1):20–6 (Eng. Abstr.) **(Ger)**
[The suicidal axis syndrome. A medico-biological study of the estimation of suicide-proneness] Mitterauer B. **Wien Med Wochenschr (Suppl)** 1981;68:1–28 (Eng. Abstr.) **(Ger)**
[Suicide in homes for the aged] Kühnert S. **Z Gerontol** 1981 Nov-Dec;14(6):501–7 (Eng. Abstr.) **(Ger)**
[Mass suicide] Singer U. **ZFA (Stuttgart)** 1982 Jun 30; 58(18):1004–9 **(Ger)**

SUICIDE, ATTEMPTED

Studies of CSF 5-HIAA in depression and suicidal behaviour. Asberg M, et al. **Adv Exp Med Biol** 1981;133:739–52
Acute cyanide poisoning. The treatment of a suicide attempt. Peters CG, et al. **Anaesthesia** 1982 May;37(5):582–6
Hyperthermia from a near hanging. Calvanese JC, et al. **Ann Emerg Med** 1982 Mar;11(3):152–5
Cardiac conduction and rhythm disturbances following suicidal ingestion of mesoridazine. Niemann JT, et al. **Ann Emerg Med** 1981 Nov;10(11):585–8
Behavior therapy vs insight-oriented therapy for repeated suicide attempters. Liberman RP, et al. **Arch Gen Psychiatry** 1981 Oct;38(10).1126–30
Efficacy of charcoal hemoperfusion in paraquat poisoning. Tabei K, et al. **Artif Organs** 1982 Feb;6(1):37–42
Hemorheological characteristics of blood in various disease: diabetes mellitus, hypertension, acute infection, ischaemic heart disease & attempted suicide. Singh M, et al. **Biorheology** 1982;19(1/2):245–52
The attitudes of psychiatrists to deliberate self-poisoning: comparison with physicians and nurses. Hawton K, et al. **Br J Med Psychol** 1981 Dec;54(Pt 4):341–8
Classification of adolescents who take overdoses. Hawton A, et al. **Br J Psychiatry** 1982 Feb;140:124–31
Self-poisoning with sustained-release aminophylline: secondary rise in serum theophylline concentration after charcoal haemoperfusion. Connell JM, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):943
Prolonged toxicity of organophosphate poisoning. Merrill DG, et al. **Crit Care Med** 1982 Aug;10(8):550–1
Effect of ethanol ingestion on outcome of drug overdose. Rangno RE, et al. **Crit Care Med** 1982 Mar;10(3):180–5
The baiting crowd in episodes of threatened suicide. Mann L. **J Pers Soc Psychol** 1981 Oct;41(4):703–9
High free fall with survival. Layton TR, et al. **J Trauma** 1981 Nov;21(11):983–5
Suicidal digoxin poisoning: conventional treatment and antibody therapy. Hess T, et al. **Klin Wochenschr** 1982 Apr 15;60(8):401–5
Paracetamol self-poisoning and suicidal behavior [letter] Goldney RD. **Med J Aust** 1982 May 15;1(10):408, 411
Suicide potential: evaluation by nonpsychiatrists. West DA, et al. **Postgrad Med** 1982 Jul;72(1):203–5, 208–12
Unsuccessful suicide by carbon monoxide: a secondary benefit of emissions control. Landers D. **West J Med** 1981 Nov;135(5):360–3
[Severe propranolol and prazosin poisoning] Grann A, et al. **Ugeskr Laeger** 1981 Jun 29;143(27):1711–2 (Eng. Abstr.) **(Dan)**
[Hospitalization of adolescents for suicide attempts (author's transl)] Moron P, et al. **Neuropsychiatr Enfance Adolesc** 1981 Sep;29(8–9):479–81 (Eng. Abstr.) **(Fre)**
[Pulmonary embolism caused by voluntary intravenous injections of metallic mercury] Luccioni R, et al. **Rev Med Interne** 1981;2(4):423–4 **(Fre)**
[Weather conditions in myocardial infarction, cerebrovascular strokes and suicide attempts] Besançon F, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1609–11 **(Fre)**
[An accident during attempted suicide] Reiter C. **Arch Kriminol** 1982 Jan–Feb;169(1–2):17–24 **(Ger)**
[Maxillofacial lesions in a suicide attempt with a firearm] Panzoni E, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):83–9 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Attempted suicide in Christchurch: a controlled study. Adam KS, et al. **Aust NZ J Psychiatry** 1980 Dec;14(4):305–14
Epidemiology of attempted suicide in the EEC. Diekstra RF. **Bibl Psychiatr** 1982;162:1–16
Suicide and deliberate self-injury [editorial] **J R Coll Gen Pract** 1981 Oct;31(231):580–1
Parasuicide in an urban general practice, 1970–1979. Turner RM. **J R Coll Gen Pract** 1982 May;32(238):273–81
Alcohol in association with suicide and attempted suicide in young women. Goldney RD. **Med J Aust** 1981 Aug 22;2(4):195–7
Attempted suicides in Penang—preliminary observations. Yeoh OH. **Med J Malaysia** 1981 Mar;36(1):39–46
[Deliberate self-poisoning. 5-year case material from an intensive care unit] Jacobsen JB, et al. **Ugeskr Laeger** 1981 Sep 14;143(38):2430–3 (Eng. Abstr.) **(Dan)**
[Longitudinal studies of attempted suicide among the young people] Kitamura A, et al. **Seishin Shinkeigaku Zasshi** 1981; 83(6):372–84 **(Jpn)**

PREVENTION & CONTROL

Suicidal insulin overdose managed by excision of insulin injection site. Campbell IW, et al. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):408–9
Dealing with the suicidally inclined. Price EM, et al. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):705–7
A computer-based system for identifying suicide attemptors. Gustafson DH, et al. **Comput Biomed Res** 1981 Apr; 14(2):144–57
Suicide prevention in the hospital. Farberow NL. **Hosp Community Psychiatry** 1981 Feb;32(2):99–104
Prevention and management of deliberate self-poisoning. Hawton K. **Practitioner** 1981 Dec;225(1362):1813–8

PSYCHOLOGY

Parental loss and reported childhood stress in young women who attempt suicide. Goldney RD. **Acta Psychiatr Scand** 1981 Jul;64(1):34–47
Clinical experience with suicidal adolescents. Mintz T. **Adolesc Psychiatry** 1981;9:493–6
Violent and suicidal behavior in psychotic adolescents. Inamdar SC, et al. **Am J Psychiatry** 1982 Jul;139(7):932–5
The adolescent suicide attempt: a cardinal symptom of a serious psychiatric disorder. Crumley FE. **Am J Psychother** 1982 Apr;36(2):158–65
Parental loss and family stability in attempted suicide. Adam KS, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):1081–5
How useful is the prediction of suicide following parasuicide? Kreitman N. **Bibl Psychiatr** 1982;162:77–84
Quarrels, separations and infidelity in the two days preceding self-poisoning episodes. Fieldsend R, et al. **Br J Med Psychol** 1981 Dec;54(Pt 4):349–52
Some familial and clinical characteristics of female suicidal psychiatric patients. Birtchnell J. **Br J Psychiatry** 1981 May;138:381–90
Attempted suicide in young women: correlates of lethality. Goldney RD. **Br J Psychiatry** 1981 Nov;139:382–90
Adolescents who take overdoses: their characteristics, problems and contacts with helping agencies. Hawton K, et al. **Br J Psychiatry** 1982 Feb;140:118–23
Subsequent deliberate self-harm in patients referred to a psychiatrist: a prospective study. Myers ED. **Br J Psychiatry** 1982 Feb;140:132–7
The meaning of attempted suicide to young parasuicides: a repertory grid study. Parker A. **Br J Psychiatry** 1981 Oct; 139:306–12
The predictive validation of a suicide intent scale: a five year follow-up. Pierce DW. **Br J Psychiatry** 1981 Nov; 139:391–6
Suicide pact in a setting of Folie à Deux. Salih MA. **Br J Psychiatry** 1981 Jul;139:62–7
Psychological and social evaluation in cases of deliberate self-poisoning seen in an accident department. Gardner R, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):491–3
Two sisters folie à deux: a case of attempted suicide. Salama AA, et al. **Can J Psychiatry** 1982 Jun;27(4):334–5
A preliminary investigation into parasuicide in Salisbury, Zimbabwe—1979/1980. Williams H, et al. **Cent Afr J Med** 1981 Jul;27(7):129–35
The management of suicidal patients. Kiev A. **Curr Psychiatr Ther** 1981;20:183–7
The allegedly suicidal patient in a general hospital. Pinsker H. **Gen Hosp Psychiatry** 1981 Dec;3(4):277–82
Religion and self poisoning. Neal CD. **Int J Soc Psychiatry** 1981 Winter;27(4):257–60
Continued self-destructive behaviors in adolescent suicide attemptors: part I. Mehr M, et al. **J Adolesc Health Care** 1981 Jun;1(4):269–74
Continued self-destructive behaviors in adolescent suicide attemptors, Part II—a pilot study. Mehr M, et al. **J Adolesc Health Care** 1982 Mar;2(3):183–7
Depression in young women who have attempted suicide. An international replication study. Goldney RD, et al. **J Affective Disord** 1981 Dec;3(4):327–37
Attempted suicide and death anxiety. Goldney RD. **J Clin Psychiatry** 1982 Apr;43(4):159
Psychotherapy with the younger adolescent girl: more than an intellectual exercise for the therapist. Lamb D. **J Clin Psychiatry** 1982 May;43(5):206–9
Assessment of suicide ideation and parasuicide: hopelessness and social desirability. Linehan MM, et al. **J Consult Clin Psychol** 1981 Oct;49(5):773–5
Locus of control in young women who have attempted suicide. Goldney RD. **J Nerv Ment Dis** 1982 Apr; 170(4):198–201
Family history of suicidal behavior among suicide attempters. Murphy GE, et al. **J Nerv Ment Dis** 1982 Feb;170(2):86–90
Antenatal memories and psychopathology. Neighbour R. **J R Coll Gen Pract** 1981 Dec;31(233):751–5
Trials and tribulations of a Baltimore jailer. Poitras JM. **Md State Med J** 1981 Jun;30(6):81–2
Adolescent suicide attempts following elective abortion: a special case of anniversary reaction. Tishler CL. **Peuiatrics** 1981 Nov;68(5):670–1
Psychosomatic aspects of attempted suicide. A clinical overview. Sifneos PE. **Psychother Psychosom** 1981; 36(2):73–85
Self poisoning in Singapore—main causative factors. Tsoi WF, et al. **Singapore Med J** 1981 Oct;22(5):284–7
Some common characteristics of latency-age suicidal children: a tentative model based on case study analyses.

Orbach I, et al. **Suicide Life Threat Behav** 1981 Fall; 11(3):180–90

[Medical intervention and community attitude in suicidal behavior] Pirozynski T, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):435–42 (45 ref.) **(Fre)**

[Psychosociologic approach to attempted suicide] Pârvu E, et al. **Sante Publique (Bucur)** 1981;24(1):61–5 **(Fre)**

[Psychopathology of development during the formative years: case report] Mayer R, et al. **Acta Paedopsychiatr (Basel)** 1981 Oct;47(3):167–76 (Eng. Abstr.) **(Ger)**

[Disturbances in family relations and suicide attempts in childhood and adolescence (author's transl)] Herzer R, et al. **Arztl Jugendkd** 1981;72(5):298–303 (Eng. Abstr.) **(Ger)**

[Attempted suicide in children: suicidal development (author's transl)] Bardos J, et al. **Padiatr Padol** 1982; 17(1):87–94 (Eng. Abstr.) **(Ger)**

[Thallium polyneuropathy] Feudell P. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Jan;34(1):23–5 (Eng. Abstr.) **(Ger)**

[Possible malignant hyperthermia as reaction to an overdose of myotonolytic, antidepressive and sedative drugs (author's transl)] Hackl JM, et al. **Wien Klin Wochenschr** 1981 Aug 7;93(15):475–9 (Eng. Abstr.) **(Ger)**

[Suicide attempts in old age – a follow-up study (author's transl)] Wächtler C. **Aktuel Gerontol** 1982 Mar;12(2):64–6 (Eng. Abstr.) **(Rus)**

[Relation between development of the motives for acute suicidal reactions and the course of patients' lives] Kononchuk NV. **Zh Nevropatol Psikhiatr** 1981; 81(12):1838–42 (Eng. Abstr.) **(Rus)**

[Self-inflicted injuries in soldiers] Vujošević K, et al. **Vojnosanit Pregl** 1981 May–Jun;38(3):176–82 **(Scr)**

SULBENICILLIN see under **PENICILLIN G**

SULFACETAMIDE

[Differential-diagnostic value of 4 tests of lysine decarboxylation by Citrobacter and Salmonella species bacteria] Andreeva ZM, et al. **Lab Delo** 1981;(8):508–10 **(Rus)**

[Preparation of tissues and cells for culture by washing with a solution of albucide] Gazizova GR. **Lab Delo** 1981; (8):505–8 **(Rus)**

ADMINISTRATION & DOSAGE

[Double-blind comparative trial of trimethoprim-polymyxin B and trimethoprim-sulphacetamide-polymyxin B ear drops in the treatment of otorrhoea (author's transl)] Gyde MC. **Ann Otolaryngol Chir Cervicofac** 1981;98(1–2):37–40 (Eng. Abstr.) **(Fre)**

ANALYSIS

Degradation studies on sulphacetamide eye-drops. Part 1. Ahmad T, et al. **Pharmazie** 1981 Sep;36(9):619–21

PHARMACODYNAMICS

A note of the inhibition of Pseudomonas aeruginosa by a modification of brilliant green agar for improved salmonella isolation. Walker AP. **J Appl Bacteriol** 1981 Dec; 51(3):405–8

SULFACHLORPYRIDAZINE see under **SULFANILAMIDES**

SULFACYTINE see under **SULFANILAMIDES**

SULFADIAZINE

Storing amniotic membrane in silver sulfadiazine suspension [letter] Bose B. **Can Med Assoc J** 1982 Jul 15;127(2):112, 115

The constitution of zinc and cerium sulphadiazines in aqueous preparation. Bult A, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):171–2

ADMINISTRATION & DOSAGE

Sustained-release implants in the chemotherapy of experimental rodent malaria II. The effects of sulphadiazine, pyrimethamine and cycloguanil in biodegradable polymer matrices. Judge BM, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):511–9

Effect of combined antibiotic therapy on fertility in brood bitches infected with Brucella canis. Johnson CA, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1330–3

Trimethoprim/sulphadiazine compared with penicillin V in the treatment of streptococcal throat infections. Hoskins TW, et al. **J Antimicrob Chemother** 1981 Dec;8(6):495–6

The use of silver sulphadiazine occlusive dressings for finger-tip injuries. de Boer P, et al. **J Bone Joint Surg [Br]** 1981;63B(4):545–7

Sulphadiazine/trimethoprim once daily in maxillary sinusitis: a randomized double-blind comparison with sulphamethoxazole/trimethoprim B.I.D. Federspil P, et al. **J Int Med Res** 1981;9(6):478–81

Control of experimental burn wound infections: comparative delivery of the antimicrobial agent (silver sulfadiazine) either from a cream base or from a solid synthetic dressing. Robb EC, et al. **J Trauma** 1981 Oct;21(10):889–93

A painless donor-site dressing. Hyland WT. **Plast Reconstr Surg** 1982 Apr;69(4):703–4

[Silver sulphadiazine cream in the treatment of chronic Pseudomonas infection of the external auditory canal in fifteen dogs (author's transl)] van den Bogaard AE, et al. **Tijdschr Diergeneeskd** 1982 Mar 15;107(6):224–8 (Eng. Abstr.) **(Dut)**

[Chemotherapy of urinary tract infections and of respiratory diseases with tibirox in a long-termin hospital (author's transl)] Ludwig KG. **Aktuel Gerontol** 1982 May;12(3):93–4 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Pyrimethamine, sulfadiazine, and villous atrophy of the jejunum [letter] Puckett JB, et al. **Ann Intern Med** 1982 Mar;96(3):380

Leukopenia and silver sulfadiazine. Caffee HH, et al. **J Trauma** 1982 Jul;22(7):586–7

Febrile reaction to silver sulphadiazine cream [letter] Clarke AM. **Med J Aust** 1981 Oct 31;2(9):456

Febrile reaction to silver sulphadiazine cream [letter] Clarke SD, et al. **Med J Aust** 1981 Aug 22;2(4):208

[Problems in allergological studies of a patient with a probable Flammazine cream allergy] van der Horst JC, et al. **Ned Tijdschr Gsneeskd** 1982 May 8;126(19):841–3 **(Dut)**

ANALYSIS

Trimethoprim and sulfadiazine concentrations in aqueous and vitreous humors of the dog. Sigel CW, et al. **VM SAC** 1981 Jul;76(7):991–3

ANTAGONISTS & INHIBITORS

In vitro inactivation of silver sulphadiazine by the addition of cerium salts. Holder IA. **Burns Incl Therm Inj** 1982 Mar; 8(4):274–7

BLOOD

Serum concentrations of trimethoprim and sulfadiazine following oral paste administration to the horse. Sigel CW, et al. **Am J Vet Res** 1981 Nov;42(11):2002–5

METABOLISM

Pharmacokinetics of trimethoprim and sulfadiazine in the dog: urine concentrations after oral administration. Sigel CW, et al. **Am J Vet Res** 1981 Jun;42(6):996–1001

Development of pharmacokinetic models for sulfonamides in food animals: metabolic depletion profile of sulfadiazine in the calf. Woolley JL Jr, et al. **Am J Vet Res** 1982 May; 43(5):768–74

Electron-microscopic observation on silver deposition in burn wounds treated with silver sulphadiazine cream. Akahane T, et al. **Burns Incl Therm Inj** 1982 Mar;8(4):271–3

Absorption, excretion and tissue distribution of silver sulphadiazine. Sano S, et al. **Burns Incl Therm Inj** 1982 Mar;8(4):278–85

Pharmacokinetics of co-trimoxazole and co-tetroxazine in geriatric patients. Naber K, et al. **Infection** 1981;9(5):239–43

Single and multiple dose kinetics of co-tetroxazine and co-trimoxazole in patients. Vergin H, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Aug;19(8):350–7

Comparison of pharmacokinetics of sulphadiazine and sulphamethoxazole after intravenous infusion. Männistö PT, et al. **J Antimicrob Chemother** 1982 Jun;9(6):461–70

Tetroxoprim-sulphadiazine distribution in canine prostate [letter] Nielsen OS, et al. **J Antimicrob Chemother** 1982 Mar;9(3):240–2

Acetylator phenotype determination in the rabbit: sulphamethazine or sulphadiazine, the choice of a substrate. du Souich P, et al. **J Pharm Pharmacol** 1981 Apr; 33(4):261–3

The role of dietary nitrate and nitrite in the reductive deamination of sulfadiazine by the rat, guinea pig, and neonatal calf. Woolley JL Jr, et al. **Life Sci** 1982 Jun 21; 30(25):2229–34

Drug metabolism in malnourished children. Mehta S, et al. **Prog Clin Biol Res** 1981;77:739–46

Metioprim-sulphadiazine distribution in the canine prostate. Iversen P, et al. **Prostate** 1981;2(4):327–35

[Co-tetroxazin levels in the prostatic secretion of patients with subacute and chronic prostatitis] Hofstetter A, et al. **Fortschr Med** 1982 Jun 3;100(21):1017–20 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Growth of some lactic acid bacteria in milk containing sulfadiazine. Soback S. **Acta Vet Scand** 1981; 22(3–4):493–500

Sulphadiazine-resistant Neisseria meningitidis Group A: immunoelectro-osmophoresis technique for the rapid diagnosis of meningococcal meningitis. Gebre-Yohannes A, et al. **Ethiop Med J** 1982 Apr;20(2):107–8

Chemotherapeutic efficacy of some agents against experimental toxoplasmosis in mice. Gupta SL, et al. **Indian J Med Res** 1981 Nov;74:767–71

Separate or combined disk agar diffusion techniques in cotrimoxazole sensitivity testing and use of single versus combination therapy [letter] Rudensky B. **J Clin Pathol** 1982 May;35(5):583

THERAPEUTIC USE

Short-term treatment of lower urinary tract infections in children with trimethoprim/sulphadiazine. Helin I. **Infection** 1981;9(5):249–51

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of urinary tract infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):154–8

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of respiratory infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):159–62

Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239–42

Prevention of infection and bleeding in leukemic patients receiving intensive remission maintenance therapy. Preisler HD, et al. **Med Pediatr Oncol** 1981;9(5):511–21

Use of a calf salmonellosis model to evaluate the therapeutic properties of trimethoprim and sulphadiazine and their mutual potentiation in vivo. White G, et al. **Res Vet Sci** 1981 Jul;31(1):27–31

[Prophylaxis of recurrent urinary infections in children. Long-term use of a weak dose of trimethoprim-sulfamethoxazole] Schläppy P, et al. **Helv Paediatr Acta** 1981 Jul;36(3):241–8 (Eng. Abstr.) **(Fre)**

[Trimethoprim-sulfamethoxazole versus amoxycillin in the therapy of acute bacterial exacerbations in chronic non-specific respiratory tract diseases. A controlled study] Ramer P, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1823–9 (Eng. Abstr.) **(Ger)**

[Non-obstructive urinary tract infections. Antibacterial therapy with co-tetroxazin] Pust R, et al. **ZFA (Stuttgart)** 1982 Apr 10;58(10):579–88 **(Ger)**

[Dermazin in the combined treatment of corneal burns] Akchurina GZ, et al. **Vestn Oftalmol** 1981 Jul–Aug; (4):29–31 (Eng. Abstr.) **(Rus)**

[Lower urinary tract infections in women: a comparison between nalidixic acid and trimethoprim-sulfadiazine] Falk G, et al. **Lakartidningen** 1981 Sep 30;78(40):3474–6 **(Swe)**

SULFADIMETHOXINE

ADVERSE EFFECTS

[2 cases of hapten agranulocytosis] Dvoretskiĭ LI, et al. **Ter Arkh** 1981;53(9):142–4 **(Rus)**

METABOLISM

Fundamental pharmacokinetic behavior of sulfadimethoxine, sulfamethoxazole and their biotransformed products in dogs. Yagi N, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec; 29(12):3741–7

[Biological availability of sulfadimethoxine in the treatment of skin diseases] Nowak A, et al. **Pol Tyg Lek** 1981 Jul 6;36(27):1015–8 (Eng. Abstr.) **(Pol)**

[Sulfadimethoxine pharmacokinetics in chronic nephritis with nephrotic syndrome] Bobrov VI, et al. **Antibiotiki** 1981 Dec;26(12):936–8 (Eng. Abstr.) **(Rus)**

SULFADIMIDINE see **SULFAMETHAZINE**

SULFADOXINE see under **SULFANILAMIDES**

SULFAETHIDOLE see under **SULFATHIAZOLES**

SULFAFURAZOLE see **SULFISOXAZOLE**

SULFAGUANIDINE see under **GUANIDINES**

SULFALENE see under **SULFANILAMIDES**

SULFAMERAZINE

PHARMACODYNAMICS

[Influence of Berlocombin 200 and its components trimethoprim and mebacid upon the quality of dental hard tissues of rabbits (author's transl)] Radtke G, et al. **Zahn Mund Kieferheilkd** 1981;69(5):368–74 (Eng. Abstr.) **(Ger)**

SULFAMETER see under **SULFANILAMIDES**

SULFAMETHAZINE

ANALOGS & DERIVATIVES

Bratton-Marshall and liquid-chromatographic methods compared for determination of sulfamethazine acetylator status. Whelpton R, et al. **Clin Chem** 1981 Nov; 27(11):1911–4

ANALYSIS

Qualitative/quantitative determination of sulfamethazine in swine tissue by gas chromatographic/electron impact mass spectrometry using a stable isotope labeled internal standard. Suhre FB, et al. **J Agric Food Chem** 1981

Jul-Aug;29(4):727-9
Comparison of three methods for determination of sulfamethazine in swine tissues: collaborative study. Malanoski AJ, et al. **J Assoc Off Anal Chem** 1981 Nov; 64(6):1386-91
Gas-liquid chromatographic determination of sulfamethazine in swine and cattle tissues. Manuel AJ, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):794-9
Screening test for sulfamethazine and sulfathiazole in swine liver. Parks OW. **J Assoc Off Anal Chem** 1982 May; 65(3):632-4
Rapid screening test for sulfamethazine in swine feeds. Schwartz DP. **J Assoc Off Anal Chem** 1982 May; 65(3):701-5

BLOOD

Bratton-Marshall and liquid-chromatographic methods compared for determination of sulfamethazine acetylator status. Whelpton R, et al. **Clin Chem** 1981 Nov; 27(11):1911-4

METABOLISM

Ecogenetic studies of drug acetylation in man and rats. Dubbels R, et al. **Acta Anthropogenet** 1981;5(2):111-8
Colorimetric or HPLC method for acetylator phenotyping with sulfadimidine? Olsen H. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):75-7
Temperature related absorption and excretion of sulphadimidine in rainbow trout, Salmo gairdneri. Borgan A, et al. **Acta Vet Scand** 1981;22(2):211-7
Increased acetylation and elimination of sulphadimidine in rats with adjuvant induced arthritis. Zidek Z, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(4):255-9
Metabolism of [14C]sulfamethazine in swine. Giera DD, et al. **J Agric Food Chem** 1982 Mar-Apr;30(2):263-6
Acetylator phenotype determination in the rabbit: sulphamethazine or sulphadiazine, the choice of a substrate. du Souich P, et al. **J Pharm Pharmacol** 1981 Apr; 33(4):261-3
Pharmacokinetics of sulphadimidine in normal and febrile dogs. Riffat S, et al. **J Vet Pharmacol Ther** 1982 Jun; 5(2):131-5
A study of the acetylator phenotype in normal subjects. Lee EJ, et al. **Singapore Med J** 1981 Jun;22(3):117-20
Polymorphic acetylation of sulfamethazine in a Nigerian (Yoruba) population. Jeyakumar LH, et al. **Xenobiotica** 1981 May;11(5):319-21
[Metabolism of sulfadimidine in the phase of the initial peak (author's transl)] Kietzmann M. **DTW** 1981 Jun 5; 88(6):214-7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Influence of double genetic polymorphism on response to sulfamethazine. Woolhouse NM, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):377-83

THERAPEUTIC USE

Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239-42
[Comparative evaluation of the therapeutic efficacy of sulfanilamides as a function of their pharmacokinetics in patients with infectious-inflammatory respiratory diseases] Matveeva SA. **Sov Med** 1981;(11):15-7 (Eng. Abstr.) **(Rus)**

URINE

N-acetylation phenotype profile in healthy African volunteers using sulphadimidine. Adam AM, et al. **East Afr Med J** 1981 Jun;58(6):401-4
Trace analysis of sulfamethazine in animal feed, human urine, and wastewater by electron capture gas chromatography. Holder CL, et al. **J Chromatogr Sci** 1981 Dec;19(12):625-33

SULFAMETHIZOLE see under **SULFATHIAZOLES**

SULFAMETHOXAZOLE

Polymorphism of spray-dried microencapsulated sulfamethoxazole with cellulose acetate phthalate and colloidal silica, montmorillonite, or talc. Takenaka H, et al. **J Pharm Sci** 1981 Nov;70(11):1256-60

ADMINISTRATION & DOSAGE

Trimethoprim-sulfamethoxazole therapy. Everything's not turning up roses. Stockman JA 3d. **Am J Dis Child** 1981 Dec;135(12):1094-5
Prevention of infection by trimethoprim-sulfamethoxazole plus amphotericin B in patients with acute nonlymphocytic leukaemia. Dekker AW, et al. **Ann Intern Med** 1981 Nov; 95(5):555-9
Treatment of chancroid with single-dose doxycycline compared with a two-day course of co-trimoxazole. Meheus A, et al. **Ann Soc Belg Med Trop** 1981 Mar; 61(1):119-24
Single dose trimethoprim-sulphamethoxazole treatment of symptomatic urinary infection. Pitt WR, et al. **Arch Dis Child** 1982 Mar;57(3):229-31
Treatment of acute urinary tract infection with three doses of co-trimoxazole. Rapoport J, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1302-3
Efficacy of the tobramycin - cotrimoxazole - cephalothin combination for febrile episodes in leukemic patients with granulocytopenia. Mozzana R, et al. **Haematologica (Pavia)** 1981 Oct;66(5):634-44
Observations relating to an inter-hospital outbreak of methicillin-resistant Staphylococcus aureus: role of antimicrobial therapy in infection control. Ward TT, et al. **Infect Control** 1981 Nov-Dec;2(6):453-9
Sulphadiazine/trimethoprim once daily in maxillary sinusitis: a randomized double-blind comparison with sulphamethoxazole/trimethoprim B.I.D. Federspil P, et al. **J Int Med Res** 1981;9(6):478-81
Therapy for acute cystitis in adult women. Randomized comparison of single-dose sulfisoxazole vs trimethoprim-sulfamethoxazole. Buckwold FJ, et al. **JAMA** 1982 Apr 2;247(13):1839-42
Treatment of chancroid. Comparison of sulfamethoxazole-trimethoprim with recommended therapies. Fitzpatrick JE, et al. **JAMA** 1981 Oct 16; 246(16):1804-5
Gram-negative bacillary meningitis [editorial] Gates RH, et al. **JAMA** 1982 Sep 10;248(10):1217-8
Klebsiella pneumoniae meningitis. Intravenous trimethoprim-sulfamethoxazole treatment. Hickstein DD, et al. **JAMA** 1982 Sep 10;248(10):1212-3
Response of Pneumocystis carinii pneumonia only after high-dose cotrimoxazole [letter] McKenna F, et al. **Lancet** 1982 Jan 16;1(8264):174
Co-trimoxazole alone for prevention of bacterial infection in patients with acute leukaemia. Starke ID, et al. **Lancet** 1982 Jan 2;1(8262):5-6
High-dose co-trimoxazole and its penetration through uninflamed meninges. Goodwin CS, et al. **Med J Aust** 1981 Jul 11;2(1):24-7
Trimethoprim-sulfamethoxazole for intravenous infusion. **Med Lett Drugs Ther** 1981 Nov 27;23(24):102-3
Treatment of travelers' diarrhea with trimethoprim/sulfamethoxazole and with trimethoprim alone. DuPont HL, et al. **N Engl J Med** 1982 Sep 30; 307(14):841-4
Perils of prophylaxis [editorial] Jacoby GA. **N Engl J Med** 1982 Jan 7;306(1):43-4
Failure of oral trimethoprim-sulfamethoxazole prophylaxis in acute leukemia: isolation of resistant plasmids from strains of Enterobacteriaceae causing bacteremia. Wilson JM, et al. **N Engl J Med** 1982 Jan 7;306(1):16-20
Oral or intravenous trimethoprim-sulfamethoxazole therapy for shigellosis. Nelson JD, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):546-50
Clinical evaluation of intravenous trimethoprim-sulfamethoxazole for serious infections. Schmidt U, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):332-7
Single-dose therapy with trimethoprim-sulfamethoxazole for urinary tract infection in women. Tolkoff-Rubin NE, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):444-8
An evaluation of co-trimoxazole in the treatment of Plasmodium falciparum malaria. Hansford CF, et al. **S Afr Med J** 1982 Apr 3;61(14):512-4
Prophylaxis of bacterial infection by sulfamethoxazole-trimethoprim (SMX-TMP) during chemotherapy in patients with childhood acute leukemia. Tono-oka T, et al. **Tohoku J Exp Med** 1981 Jul; 134(3):273-9
[Treatment of urinary infection with a single dose of co-trimoxazole compared with a single dose of amoxicillin and a placebo] Dubi J, et al. **Schweiz Med Wochenschr** 1982 Jan 16:112(3):90-2 (Eng. Abstr.) **(Fre)**
[Comparative evaluation of various antibiotics and Biseptol in the treatment of exacerbation of chronic bronchial diseases] Krawczyk Z, et al. **Pol Tyg Lek** 1981 Jun 22; 36(25):927-30 (Eng. Abstr.) **(Pol)**
[Biseptol-480 in the treatment of gonorrhea in women] Turanova EN, et al. **Vestn Dermatol Venerol** 1981 Jul; (7):64-7 (Eng. Abstr.) **(Rus)**
[Endocarditis caused by Serratia marcescens sterilized by cefotaxime and trimethoprim-sulfamethoxazole] Sieres M, et al. **Rev Esp Cardiol** 1982;35(1):79-81 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hematologic abnormalities after oral trimethoprim-sulfamethoxazole therapy in children. Asmar BI, et al. **Am J Dis Child** 1981 Dec;135(12):1100-3
Trimethoprim-sulfamethoxazole-induced cholestasis. Abi-Mansur P, et al. **Am J Gastroenterol** 1981 Oct; 76(4):356-9
Megaloblastosis and low-dose trimethoprim-sulfamethoxazole [letter] Magee F, et al. **Ann Intern Med** 1981 Nov;95(5):657
Comparative tolerability of ampicillin, amoxicillin, and trimethoprim-sulfamethoxazole suspensions in children with otitis media. Feder HM Jr. **Antimicrob Agents Chemother** 1982 Mar;21(3):426-7
Trimethoprim/sulfamethoxazole-associated pseudomembranous colitis. Scott SA. **Drug Intell Clin Pharm** 1982 Mar;16(3):244-6
Transient elevation of alkaline phosphatase possibly related to trimethoprim-sulfamethoxazole therapy. DeVito GA Jr. **J Pediatr** 1982 Jun;100(6):998-9
Prophylactic use of TMP-SMZ in leukemia [letter] Lanzkowsky P, et al. **J Pediatr** 1982 Jun;100(6):1002-3
Pseudomembranous colitis after trimethoprim-sulfamethoxazole therapy. Alpert B, et al. **J Urol** 1982 May;127(5):992-3
Co-trimoxazole prophylaxis in leukaemia [letter] Drysdale HC, et al. **Lancet** 1982 Feb 20;1(8269):448
Phenytoin intoxication and cotrimoxazole [letter] Wilcox JB. **NZ Med J** 1981 Sep 23;94(692):235-6
Adverse reactions to trimethoprim-sulfamethoxazole in hospitalized patients. Jick H. **Rev Infect Dis** 1982 Mar-Apr; 4(2):426-8
Adverse reactions to trimethoprim-sulfamethoxazole. Lawson DH, et al. **Rev Infect Dis** 1982 Mar-Apr; 4(2):429-33 (36 ref.)
[Bone marrow aplasia induced by sulfamethoxazole-trimethoprim. Evidence of an allergic mechanism (letter)] Chanu B, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3496-7 **(Fre)**
[Hematologic and dermatologic side-effects of antibiotic therapy] Kuntz HD, et al. **Med Klin [Prax]** 1982 Mar 12; 77(6):46-53 (Eng. Abstr.) **(Ger)**
[Cotrimoxazole and nephrotoxicity (letters)] Bonal J. **Med Clin (Barc)** 1981 Jun 25;77(2):85 **(Spa)**

ANALYSIS

Quantitative infrared analysis of the interaction between trimethoprim and sulfamethoxazole in solid phase. Bettinetti GP, et al. **Farmaco [Prat]** 1981 Oct;36(10):469-77

BLOOD

Effect of co-trimoxazole in drug metabolism. del Villar JA, et al. **Arch Farmacol Toxicol** 1981 Aug;7(2):249-52
Studies on the specificity of the colorimetric assay for sulfamethoxazole. Heizmann P, et al. **Experientia** 1981; 37(8):806-7
Pharmacology of trimethoprim-sulfamethoxazole in newborn infants. Springer C, et al. **J Pediatr** 1982 Apr;100(4):647-50
Intravenous pharmacokinetics and in vitro bactericidal activity of trimethoprim-sulfamethoxazole. Spicehandler J, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):562-5

METABOLISM

Levels of trimethoprim and sulfamethoxazole in human oviduct mucosa and plasma. Brihmer C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):149-52
Dissolution behavior and gastrointestinal absorption of sulfamethoxazole from sulfamethoxazole-polyvinylpyrrolidone coprecipitates. Sekikawa H, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb; 30(2):739-43
Fundamental pharmacokinetic behavior of sulfadimethoxine, sulfamethoxazole and their biotransformed products in dogs. Yagi N, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec; 29(12):3741-7
Pharmacokinetics of sulfamethoxazole--trimethoprim combination during chronic peritoneal dialysis: effect of peritonitis. Singlas E, et al. **Eur J Clin Pharmacol** 1982; 21(5):409-15
Pharmacokinetics of co-trimoxazole and co-tetroxazine in geriatric patients. Naber K, et al. **Infection** 1981;9(5):239-43
Single and multiple dose kinetics of co-tetroxazine and co-trimoxazole in patients. Vergin H, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Aug;19(8):350-7
Comparison of pharmacokinetics of sulphadiazine and sulphamethoxazole after intravenous infusion. Männistö PT, et al. **J Antimicrob Chemother** 1982 Jun;9(6):461-70
Drug interference with reagent strip method for measuring urea [letter] Gregory J, et al. **Lancet** 1982 Aug 21; 2(8295):443
In vitro absorption studies on trimethoprim and sulfamethoxazole. Note I. Caramella C, et al. **Pharm Acta Helv** 1982;57(5-6):154-9
Pharmacokinetics of intravenous trimethoprim-sulfamethoxazole in children and adults with normal and impaired renal function. Siber GR, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):566-78
[Antibacterial therapy in surgery of the inner and middle ear. A study of co-trimoxazole penetration into the perilymph (author's transl)] Jacob M, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2205-9 (Eng. Abstr.) **(Fre)**
[Lung tissue diffusion of intravenous trimethoprim-sulfamethoxazole combination (author's transl)] Morel C, et al. **Pathol Biol (Paris)** 1982 Jun; 30(6):380-4 (Eng. Abstr.) **(Fre)**
[Bone diffusion of trimethoprim and sulfamethoxazole high pressure liquid chromatography (HPLC) (author's transl)] Saux MC, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):385-8 (Eng. Abstr.) **(Fre)**
[Diffusion of the drug combination sulfamethoxazole-trimethoprim. Microdetermination in the perilymph, blood and urine of subjects with otosclerosis] Jacob M, et al. **Pharm Acta Helv** 1982;57(3):93-6 **(Fre)**
[Importance of antibiotherapy in surgery of the middle and internal ear. Study on the diffusion of the combination sulfamethoxazole-trimethoprim in the perilymph] Jacob M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct; 102(9-10):445-52 **(Fre)**
[Dissolution behavior and bioavailability of sulfamethoxazole/trimethoprim complex (author's transl)] Takagishi Y, et al. **Yakugaku Zasshi** 1981 Aug;101(8):740-6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Loss of sulfonamide resistance in Neisseria meningitidis. Solberg O, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):267–70

Influence of co–trimoxazole on methotrexate pharmacokinetics in children with acute lymphoblastic leukemia. Beach BJ, et al. **Am J Pediatr Hematol Oncol** 1981 Summer;3(2):115–9

Bactericidal activity of trimethoprim alone and in combination with sulfamethoxazole on susceptible and resistant Escherichia coli K–12. Amyes SG. **Antimicrob Agents Chemother** 1982 Feb;21(2):288–93

Agar dilution susceptibility of Bacteroides spp. to sulfamethoxazole and trimethoprim: correlation with a disk diffusion technique. Riley TV. **Antimicrob Agents Chemother** 1981 Dec;20(6):731–5

Synergistic interaction of trimethoprim and sulfamethoxazole on Paracoccidioides brasiliensis. Stevens DA, et al. **Antimicrob Agents Chemother** 1982 May;21(5):852–4

The effect of co–trimoxazole on serum creatinine. Dijkmans BA, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):701–3

A chronic carrier of trimethoprim–sulphamethoxazole–resistant Shigella flexneri serotype 1. Gebre–Yohannes A, et al. **Ethiop Med J** 1981 Apr;19(2):53–7

Chronic granulomatous disease: effect of sulfamethoxazole/trimethoprim on neutrophil microbicidal function. Seger RA, et al. **Helv Paediatr Acta** 1981; 36(6):579–88

Co–trimoxazole induced diuresis. Tobin MJ, et al. **Ir J Med Sci** 1982 Mar;151(3):81–2

In–vitro susceptibility test of non–tuberculous mycobacteria to sulphamethoxazole, trimethoprim, and combinations of both. Rodloff AC. **J Antimicrob Chemother** 1982 Mar; 9(3):195–9

Elaboration of type b capsule by Haemophilus influenzae as a determinant of pathogenicity and impaired killing by trimethoprim–sulfamethoxazole. Yogev R, et al. **J Clin Invest** 1982 Mar;69(3):658–65

Effects of trimethoprim and sulphonamide preparations on the pituitary–thyroid axis of rodents. Cohen HN, et al. **J Endocrinol** 1981 Nov;91(2):299–303

Epidemic Shigella sonnei resistant to co–trimoxazole [letter] Pérez Trallero E, et al. **Lancet** 1981 Oct 3;2(8249):751

Co–trimoxazole and the thyroid [letter] Smellie JM, et al. **Lancet** 1982 Jul 10;2(8289):96

Trimethoprim–sulfamethoxazole. Smith LG, et al. **Med Clin North Am** 1982 Jan;66(1):143–56 (143 ref.)

Bacterial resistance to trimethoprim–sulfamethoxazole [letter] **N Engl J Med** 1982 Jul 1;307(1):60–2

Emergence of high–level trimethoprim resistance in fecal Escherichia coli during oral administration of trimethoprim or trimethoprim–sulfamethoxazole. Murray BE, et al. **N Engl J Med** 1982 Jan 21;306(3):130–5

Chronic granulomatous disease: mode of action of sulfamethoxazole/trimethoprim. Gmünder FK, et al. **Pediatr Res** 1981 Dec;15(12):1533–7

Activity of trimethoprim–sulfamethoxazole against Chlamydia trachomatis in vitro. Hammerschlag MR. **Rev Infect Dis** 1982 Mar–Apr;4(2):500–5

Synergism in the folate pathway. Harvey RJ. **Rev Infect Dis** 1982 Mar–Apr;4(2):255–60

Mechanisms of resistance to trimethoprim, the sulfonamides, and trimethoprim–sulfamethoxazole. Then RL. **Rev Infect Dis** 1982 Mar–Apr;4(2):261–9 (60 ref.)

In vitro activity of trimethoprim and sulfamethoxazole against the nontuberculous mycobacteria. Wallace RJ Jr, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):326–31

Effect of trimethoprim or trimethoprim/sulphamethoxazole usage on the emergence of trimethoprim resistance in urinary tract pathogens. Dornbusch K, et al. **Scand J Infect Dis** 1981;13(3):203–10

Effect of co–trimoxazole and sulfamethoxazole on serum creatinine in normal subjects. Roy MT, et al. **Ther Drug Monit** 1982;4(1):77–9

THERAPEUTIC USE

A comparative trial of oral chloroquine and oral co–trimoxazole in vivax malaria in children. Lal H. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):438–40

Failure of trimethoprim–sulfamethoxazole in the therapy of recurrent Pneumocystis carinii pneumonia. Mitsuyasu RT, et al. **Am Rev Respir Dis** 1982 Jun;125(6):762–5

Trimethoprim–sulfamethoxazole and granulocytopenia [letter] Bakri KM, et al. **Ann Intern Med** 1982 Mar; 96(3):381–2

Prophylactic trimethoprim–sulfamethoxazole during consolidation chemotherapy for acute leukemia: a controlled trial. Weiser B, et al. **Ann Intern Med** 1981 Oct; 95(4):436–8

Trimethoprim–Sulfamethoxazole and bacterial infections during leukemia therapy [editorial] Young LS. **Ann Intern Med** 1981 Oct;95(4):508–9

Trimethoprim–sulfamethoxazole therapy of experimental Escherichia coli meningitis in rabbits. Mylotte JM, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):81–7

A trial comparing cefaclor with co–trimoxazole in the treatment of acute otitis media. Feldman W, et al. **Arch Dis Child** 1982 Aug;57(8):594–6

Sulphamethoxazole prophylaxis in the otitis–prone child. Schwartz RH, et al. **Arch Dis Child** 1982 Aug;57(8):590–3

Effect of single–dose prophylactic co–trimoxazole on the incidence of gynaecological postoperative urinary tract infection. Ireland D, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):578–80

Treatment of urinary tract infection with a single dose of amoxycillin, co–trimoxazole, or trimethoprim.. Harbord RB, et al. **Br Med J [Clin Res]** 1981 Nov 14; 283(6302):1301–2

Failure of rifampicin and co–trimoxazole in Q fever endocarditis. Subramanya NI, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):343–4

Trimethoprim–sulfamethoxazole treatment of multiantibiotic–resistant staphylococcal endocarditis and meningitis. Tamer MA, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):125–6

A comparison of cinoxacin and co–trimoxazole in the treatment of cystitis. Schneider RE. **Clin Ther** 1982; 4(6):510–4

Evaluation of the clinical efficacy of erythromycin, amoxicillin and co–trimoxazole in the treatment of acute respiratory tract infections in paediatric patients. Bottone E, et al. **Curr Med Res Opin** 1982;8(2):67–74

Chemoprophylaxis of recurrent otitis media using trimethoprim/sulfamethoxazole. Gaskins JD, et al. **Drug Intell Clin Pharm** 1982 May;16(5):387–90

Vancomycin plus gentamicin and cotrimoxazole for prevention of infections in neutropenic cancer patients (a comparative, placebo–controlled pilot study). Malarme M, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1315–22

The combination of pivmecillinam and pivampicillin compared to co–trimoxazole in the treatment of enteric fever. Tanphaichitra D, et al. **Infection** 1982;10(2):81–4

Co–trimoxazole versus cefaclor in acute on chronic bronchitis. Anderson G, et al. **J Antimicrob Chemother** 1981 Dec;8(6):487–9

A comparison of cefuroxime and co–trimoxazole in severe respiratory tract infections. Mehtar S, et al. **J Antimicrob Chemother** 1982 Jun;9(6):479–84

A controlled trial of cotrimoxazole therapy in serous otitis media. Marks NJ, et al. **J Laryngol Otol** 1981 Oct; 95(10):1003–9

Trimethoprim–sulfamethoxazole for cholangitis following hepatic portoenterostomy for biliary atresia. Chaudhary S, et al. **J Pediatr** 1981 Oct;99(4):656–8

Decreased incidence of nonspecific interstitial pneumonitis in children with acute lymphocytic leukemia treated prophylactically with trimethoprim–sulfamethoxazole. Morgan E. **J Pediatr** 1981 Nov;99(5):807–10

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of urinary tract infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):154–8

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of respiratory infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):159–62

Trimethoprim and co–trimoxazole in the treatment of acute urinary tract infections: patient compliance and efficacy. Andrewes DA, et al. **J R Coll Gen Pract** 1981 May; 31(226):274–8

Re: comparison of cinoxacin and trimethoprim–sulfamethoxazole in the treatment of urinary tract infections [letter] Hamilton–Miller JM. **J Urol** 1982 Jul;128(1):156

Salmonellosis complicating ulcerative colitis. Treatment with trimethoprim–sulfamethoxazole. Kressner MS, et al. **JAMA** 1982 Aug 6;248(5):584–5

Co–trimoxazole versus non–absorbable antibiotics in acute leukaemia. Watson JG, et al. **Lancet** 1982 Jan 2;1(8262):6–9

Comparison of cinoxacin and co–trimoxazole in the treatment of urinary tract infections. de Jersey P, et al. **Med J Aust** 1982 Mar 20;1(6):267–8

Antimicrobial therapy in whooping cough. Henry RL, et al. **Med J Aust** 1981 Jul 11;2(1):27–8

Comparison of once daily trimethoprim and standard co–trimoxazole in urinary infections. A clinical trial in general practice. Cartwright KA, et al. **Practitioner** 1982 Jan;226(1363):152–6

Trimethoprim – sulfamethoxazole revisited. Cambridge, Massachusetts, November 16–19, 1980. **Rev Infect Dis** 1982 Mar–Apr;4(2):185–618

Treatment of experimentally induced enterotoxigenic Escherichia coli diarrhea with trimethoprim, trimethoprim–sulfamethoxazole, or placebo. Black RE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):540–5

Use of trimethoprim–sulfamethoxazole for treatment of infections in patients with cancer. Bodey GP, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):579–85

Parenteral trimethoprim–sulfamethoxazole and carbenicillin as empiric therapy for neutropenic patients with cancer. Braine HG, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):586–92

Treatment of concomitant Neisseria gonorrhoeae and Chlamydia trachomatis infections in women: comparison of trimethoprim–sulfamethoxazole with ampicillin–probenecid. Brunham RC, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):491–9

Response of typhoid fever caused by chloramphenicol–susceptible and chloramphenicol–resistant strains of Salmonella typhi to treatment with trimethoprim–sulfamethoxazole. Butler T, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):551–61

Comparison of trimethoprim–sulfamethoxazole with ampicillin in acute infectious exacerbations of chronic bronchitis: a double–blind crossover study. Chodosh S, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):517–27

Treatment of cystitis in women with a single dose of trimethoprim–sulfamethoxazole. Counts GW, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):484–90

Prevention of travelers' diarrhea with trimethoprim–sulfamethoxazole. DuPont HL, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):533–9

Trimethoprim–sulfamethoxazole vs. ampicillin in the treatment of experimental meningitis due to Streptococcus pneumoniae. Durack DT, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):311–4

Trimethoprim–sulfamethoxazole and trimethoprim alone for prophylaxis of infection in granulocytopenic patients. Gurwith M, et al. **Rev Infect Dis** 1982 Mar–Apr; 4(2):593–601

Long–term antimicrobial prophylaxis for recurrent urinary tract infection in women. Harding GK, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):438–43

Antimicrobial prophylaxis in children with urinary tract infection and vesicoureteral reflux. Holland NH, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):467–74

The use of trimethoprim–sulfamethoxazole in the treatment of chest infections. Hughes DT, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):528–32 (14 ref.)

Trimethoprim–sulfamethoxazole therapy for Pneumocystis carinii pneumonitis in children. Hughes WT. **Rev Infect Dis** 1982 Mar–Apr;4(2):602–7

Trimethoprim–sulfamethoxazole in the treatment of malaria, toxoplasmosis, and pediculosis. Hutchinson DB, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):419–25 (18 ref.)

Antibacterial therapy for acute otitis media: a critical analysis. Marchant C, et al. **Rev Infect Dis** 1982 Mar–Apr; 4(2):506–13 (30 ref.)

Trimethoprim–sulfamethoxazole in treatment of severe infections. Salter AJ. **Rev Infect Dis** 1982 Mar–Apr; 4(2):338–50 (84 ref.)

Trimethoprim–sulfamethoxazole: an assessment of more than 12 years of use. Salter AJ. **Rev Infect Dis** 1982 Mar–Apr; 4(2):196–236 (389 ref.)

Trimethoprim–sulfamethoxazole in the treatment of otitis media caused by ampicillin–resistant strains of Haemophilus influenzae. Schwartz RH, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):514–6

Trimethoprim–sulfamethoxazole and trimethoprim alone in the prophylaxis of childhood urinary tract infection. Smellie JM, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):461–6

Urinary prophylaxis with trimethoprim and trimethoprim–sulfamethoxazole: efficacy, influence on the natural history of recurrent bacteriuria, and cost control. Stamm WE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):450–5

A controlled study of trimethoprim–sulfamethoxazole prophylaxis of urinary tract infection in renal transplant recipients. Tolkoff–Rubin NE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):614–8

Use of trimethoprim–sulfamethoxazole for treatment of infections due to Nocardia. Wallace RJ Jr, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):315–25

Trimethoprim–sulfamethoxazole in the treatment of adults with pneumonia due to Pneumocystis carinii. Young LS. **Rev Infect Dis** 1982 Mar–Apr;4(2):608–13

Trimethoprim–sulfamethoxazole therapy for infective endocarditis. Noble RC, et al. **South Med J** 1981 Nov; 74(11):1299–303

Trimethoprim–sulphamethoxazole in the treatment of enteric fever in the Sudan. Mukhtar ED, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):771–3

Kelfiprim, a new sulpha–trimethoprim combination, versus cotrimoxazole, in the treatment of urinary tract infections: a multicentre, double–blind trial. Pisani E, et al. **Urol Res** 1982 Feb;10(1):41–4

[A patient with (South American) mucocutaneous leishmaniasis recurring after treatment with co–trimoxazole] Smit F. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):379–80 (Eng. Abstr.) **(Dut)**

[Use of cotrimoxazole (Bactrim) in postoperative infectious respiratory and urinary complications in digestive surgery. Apropos of 30 cases] Schoenahl C, et al. **Med Chir Dig** 1981;10(5):455–9 **(Fre)**

[Treatment of initial urinary tract infection in children with cotrifamole and cotrimoxazole. A double–blind study] Weber HP, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):837–41 (Eng. Abstr.) **(Ger)**

[Short–term therapy of postoperative urinary tract infections in gynecology] Hoyme UA, et al. **Fortschr Med** 1982 Mar 4;100(9):385–8 (Eng. Abstr.) **(Ger)**

[Prevention of urinary tract infections with a single dose of cotrimoxazole (bactrim forte) in patients with a urinary catheter (author's transl)] Berger C, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):544–7 (Eng. Abstr.) **(Ger)**

[One time therapy of urinary tract infections with amoxicillin or co–trimoxazole. A randomized study] Wetzel H, et al. **Med Welt** 1981 Nov 13;32(46):1753–6 **(Ger)**

[Cotrimoxazole (trimethoprim sulfamethoxazole)] Springer C, et al. **Harefuah** 1981 Aug;101(3–4):80–4 **(Heb)**

[Therapy of brucellosis today] Rizzo F. **Clin Ter** 1982 Apr 30;101(2):203–7 (Eng. Abstr.) **(Ita)**

[Pseudomonas cepacia meningitis: report of 3 cases] Takagi T, et al. **No Shinkei Geka** 1982 Jan;10(1):83–8 (Eng. Abstr.) **(Jpn)**

[Cure of pediculosis of the scalp by cotrimoxazole administered orally] Campos R, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jan-Feb;23(1):28-30 (Eng. Abstr.) **(Por)**

[Comparative randomized study on the clinico-bacteriological effectiveness of mecillinam versus cotrimexazole in shigellosis] Prado V, et al. **Rev Chil Pediatr** 1981 Mar-Apr;52(2):118-24 (Eng. Abstr.) **(Spa)**

[Carbenicillin-trimethoprim/sulphamethoxazole or carbenicillin-tobramycin as empirical treatment of infection in granulocytopenic patients. A controlled prospective trial (author's transl)] Rafecas FJ, et al. **Sangre (Barc)** 1981; 26(3):335-46 (Eng. Abstr.) **(Spa)**

URINE

Synergism between trimethoprim and sulfonamide in urine: does it exist? Watson ID, et al. **Clin Ther** 1981;4(2):103-8

SULFAMETHOXYPYRIDAZINE

ADMINISTRATION & DOSAGE

[Studies on the therapeutics of experimental toxoplasmosis. II. Effect of acetylspiramycin alone or in combination with an immunopotentiator (CSP-II) or sulfamethopyrazine on Toxoplasma multiplication in the heart of mice acutely and chronically infected with Toxoplasma gondii (author's transl)] Espinas FM, et al. **Jpn J Antibiot** 1982 Feb; 35(2):362-8 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

[Sulphenazone in pediatric practice. Case studies] Pecenco GL, et al. **Minerva Pediatr** 1982 Jan 31;34(1-2):39-43 (Eng. Abstr.) **(Ita)**

METABOLISM

Biological availability of sulfamethoxypyridazine and sulfisomidine polymers. Kassem AA, et al. **Pharmazie** 1981 Dec;36(12):827-30

SULFAMETHYLISOXAZOLE see **SULFAMETHOXAZOLE**

SULFAMONOMETHOXINE see under **SULFANILAMIDES**

SULFAMOXOLE

PHARMACODYNAMICS

In vitro studies with combinations of sulfamoxole and trimethoprim (co-trifamole). Grüneberg RN. **Curr Med Res Opin** 1982;8(2):128-33

Effects of trimethoprim and sulphonamide preparations on the pituitary-thyroid axis of rodents. Cohen HN, et al. **J Endocrinol** 1981 Nov;91(2):299-303

THERAPEUTIC USE

[Treatment of initial urinary tract infection in children with cotrifamole and cotrimoxazole. A double-blind study] Weber HP, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):837-41 (Eng. Abstr.) **(Ger)**

SULFAMYL DIURETICS see **DIURETICS, SULFAMYL**

SULFANILAMIDES

Microcomputer-controlled determination of dissociation constants of sulfanilamides and stability constants of the related silver complexes. Boelema GJ, et al. **Pharm Weekbl [Sci]** 1982 Apr 23;4(2):38-42

ADMINISTRATION & DOSAGE

Quinine alone versus quinine plus a pyrimethamine-sulfadoxine combination in the treatment of Plasmodium faliciparum cerebral malaria. Naparstek Y, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1342-3

Pharmacokinetics and dosage of sulphanilamide in sheep. Nawaz M. **Zentralbl Veterinarmed [A]** 1981;28(7):552-8

[Trial of a new bactericide: Quam, in infectious otorhinolaryngologic pathology] Dubreuil C, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):615-8 **(Fre)**

[Means of increasing the efficacy and safety of sulfanilamide therapy] Makarov VA, et al. **Sov Med** 1981;(12):79-84 **(Rus)**

[Determination and interpretation of the diuretic equivalence of azosemid and furosemide] Gerová Z, et al. **Vnitr Lek** 1982 Mar;28(3):266-73 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

[Contact allergy to an arsenic containing drug administered intravaginally] Verburgh-van der Zwan N, et al. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1718-9 (Eng. Abstr.) **(Dut)**

[Undesirable and adverse effects of drugs in Poland. Antibiotics (other than penicillin) and sulfonamides] Rudzki E, et al. **Przegl Dermatol** 1981 May-Jun;68(3):287-93 (Eng. Abstr.) **(Pol)**

[Increased hazard of dinitrophenol pesticide poisoning against a background of sulfanilamide preparation use] Luk'ianchuk VD, et al. **Gig Tr Prof Zabol** 1981 Aug; (8):49-50 **(Rus)**

ANALYSIS

Determination of residual diaveridine and sulfaquinoxaline in Hen's egg, chicken plasma and tissues by high-performance liquid chromatography. Sakano T, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2290-5

BLOOD

Plasma concentrations in pyrimethamine and sulfadoxine and evaluation of pharmacokinetic data by computerized curve fitting. Weidekamm E, et al. **Bull WHO** 1982;60(1):115-22

Acetylator phenotype and serum levels of sulfapyridine in patients with inflammatory bowel disease. Sharp ME, et al. **Eur J Clin Pharmacol** 1981;21(3):243-50

[Estimations of the serum levels of sulfapyridine on patients treated with sulfasalazin (author's transl)] Eitner K, et al. **Dtsch Z Verdau Stoffwechselkr** 1982;42(1):14-9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Spontaneous formation of immunogenic conjugates by a biotransformation product of sulfanilamide. Cirstea M, et al. **Physiologie** 1981;18(3):175-9

METABOLISM

Selective affinity of dimethyl sulphoxide (DMSO) and 2-amino-4-phenylsulphonylbenzenesulphonamide (NSD 3004) for the large intestinal mucosa of mice. Brandt I, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):173-6

Postnatal development of renal function in piglets: changes in excretory pattern of sulphachlorpyridazine. Friis C. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):409-17

Pharmacokinetic studies of sulfapyridine acetylation in the rabbit. Lima JJ, et al. **Biopharm Drug Dispos** 1982 Apr-Jun; 3(2):185-9

Pharmacokinetics of sulphametrole and its metabolite N4-acetylsulphametrole in man. Hekster YA, et al. **J Antimicrob Chemother** 1981 Aug;8(2):133-44

Placental transfer of sulphasalazine and sulphapyridine and some of its metabolites. Järnerot G, et al. **Scand J Gastroenterol** 1981;16(5):693-7

[Levels of sulfametrole-trimethoprim in blood and lung-tissue during treatment of respiratory tract infection (author's transl)] Wieser O, et al. **Wien Med Wochenschr** 1981;131(13-14):363-6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Drug metabolism in rats with arthritis induced by 6-sulfanilamidcindazole (6-SAI). Müller D, et al. **Agents Actions** 1981 Dec;11(6-7):736-40

Cloning of the Bacillus subtilis sulfanilamide resistance gene in Bacillus subtilis. McDonald KO, et al. **J Bacteriol** 1982 Jan;149(1):391-4

Determination of pyrimethamine in human plasma after administration of fansidar of fansidar-mefloquine by means of high-performance liquid chromatography with fluorescence detection. Timm U, et al. **J Chromatogr** 1982 Jun 11;230(1):107-14

Drug-resistant malaria [editorial] **Lancet** 1981 Nov 14; 2(8255):1087-8

Susceptibility of Plasmodium falciparum to pyrimethamine and sulfadoxine/pyrimethamine in Kisumu, Kenya. Nguyen-Dinh P, et al. **Lancet** 1982 Apr 10;1(8276):823-5

Drug therapy for Plasmodium falciparum malaria resistant to pyrimethamine-sulfadoxine (Fansidar). A study of alternate regimens in Eastern Thailand, 1980. Reacher M, et al. **Lancet** 1981 Nov 14;2(8255):1066-9

Pyrimethamine/sulfadoxine resistant falciparum malaria acquired at Dar es Salaam, Tanzania [letter] Stahel E, et al. **Lancet** 1982 May 15;1(8281):1118-9

Pyrimethamine/sulfadoxine resistant falciparum malaria in East Africa [letter] Timmermanns PM, et al. **Lancet** 1982 May 22;1(8282):1181

Mechanism of action of MK-401 against Fasciola hepatica: inhibition of phosphoglycerate kinase. Schulman MD, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):133-45

Falciparum malaria resistant to Fansidar (sulphadoxine-pyrimethamine) occurring in three children of the same family. Ponnampalam JT. **Singapore Med J** 1982 Feb;23(1):37-8

Acute colchicine and vinblastine toxicity in 6-sulfanilamidoindazole-pretreated rats. Miller ML, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):500-8

[Polyresistance of asiatic P. falciparum to chloroquine and pyrimethamine-sulfadoxine combination. Apropos of a new case] Pays JF, et al. **Bull Soc Pathol Exot Filiales** 1981 Jul-Aug;74(4):406-13 (Eng. Abstr.) **(Fre)**

[Evaluation of chemoantibiotics resistance of gram-negative bacteria isolated from urinary tract infections (author's transl)] Pasargiklian I, et al. **Ann Sclavo** 1981 Jul-Aug; 23(4):439-48 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on azosemide [5-(4'-chloro-5'-sulfamoyl-2'-thenylamino)-phenyltetrazo a new diuretic (1) Effects on diuresis, plasma renin activity and urinary prostaglandin E excretion in normal rats (author's transl)] Suzuki Y, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):317-25 (Eng. Abstr.) **(Jpn)**

[Characteristics of drug interaction with staphylococcal toxin] Ponomareva AG. **Farmakol Toksikol** 1982 Jan-Feb; 45(1):92-5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photo-induced binding of sulfanilamide to cellular macromolecules. Sinha BK, et al. **Photochem Photobiol** 1982 Mar;35(3):413-8

THERAPEUTIC USE

Sulfadoxine-pyrimethamine for the treatment of acute malaria in children in Papua New Guinea. I. Plasmodium falciparum. Darlow B, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):1-9

Sulfadoxine-pyrimethamine for the treatment of acute malaria in children of Papua New Guinea. II. Plasmodium vivax. Darlow B, et al. **Am J Trop Med Hyg** 1982 Jan; 31(1):10-3

Sulphadoxine-pyrimethamine therapy in Crohn's disease. Elliott PR, et al. **Digestion** 1982;23(2):132-4

Antimalarial combination available [letter] LaBraico JM. **Hosp Pract** 1982 Feb;17(2):17

Adoptive transfer of resistance to Plasmodium berghei with spleen cells and serum from Fansidar-cured mice. Ferraroni JJ, et al. **Infect Immun** 1982 Jun;36(3):1109-14

Problems with pyrimethamine/sulfadoxine malaria prophylaxis [letter] Lelijveld J. **Lancet** 1982 Apr 17; 1(8277):915

Plasmodium falciparum resistant to fansidar [letter] Rubis C, et al. **Med J Aust** 1981 Jun 27;1(13):718

Ineffective malaria prophylaxis [letter] Sinclair N, et al. **Med J Aust** 1982 Feb 20;1(4):151-3

Problems encountered with using Fansidar as prophylaxis for malaria. **MMWR** 1982 May 7;31(17):232-4

Indications for the use of Fansidar in malaria [letter] Schwartz IK, et al. **N Engl J Med** 1982 Jul 15;307(3):194

Chemotherapeutic activity of the combination of sulfachloropyridazine and trimethoprim against experimental colibacillosis of chickens and piglets and demonstration of the trimethoprim-induced potentiation of sulfachloropyridazine in vitro and in vivo. Rosselet A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):401-17

Sulfadoxine-pyrimethamine resistant falciparum malaria in Thai children. Chongsuphajaisiddhi T, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):418-21

Fansidar resistant falciparum malaria acquired in South East Asia. Black F, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):715-6

Possible sulfadoxine-pyrimethamine resistance in Plasmodium falciparum malaria from Kenya [letter] Markwalder KA, et al. **Trans R Soc Trop Med Hyg** 1982; 76(2):281

The in vivo sensitivity of Plasmodium falciparum to chloroquine and to sulphadoxine-pyrimethamine combination in Ibadan, Nigeria. Olatunde A, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):848-50

Kelfiprim, a new sulpha-trimethoprim combination, versus cotrimoxazole, in the treatment of urinary tract infections: a multicentre, double-blind trial. Pisani E, et al. **Urol Res** 1982 Feb;10(1):41-4

[The antimalarial effects of piperaquine phosphate and sulphadoxine composite as tested in Hainan Island (author's transl)] Qu FY. **Chung Hua I Hsueh Tsa Chih** 1981 Jul; 61(7):388-91 (Eng. Abstr.) **(Chi)**

[Chronic atrophic polychondritis. Value of sulfones (letter)] Rouget JP, et al. **Nouv Presse Med** 1982 Mar 6;11(11):869 **(Fre)**

[Treatment of subacute pelvic inflammatory diseases with the antibiotic compound sulfametrol-trimethroprim (author's transl)] Burmucic R, et al. **Wien Med Wochenschr** 1981 Sep 15;131(17):431-4 (Eng. Abstr.) **(Ger)**

[Levels of sulfametrole-trimethoprim in blood and lung-tissue during treatment of respiratory tract infection (author's transl)] Wieser O, et al. **Wien Med Wochenschr** 1981;131(13-14):363-6 (Eng. Abstr.) **(Ger)**

[Clinical studies with the new saluretic azosemide] Kokot F, et al. **Z Gesamte Inn Med** 1982 Mar 15;37(6):180-3 (Eng. Abstr.) **(Ger)**

[Activity of di-N-hydroxyquinoxaline and depot-sulfanilamide derivatives in experimental NAG infection] Avtsyn AP, et al. **Biull Eksp Biol Med** 1982 May; 93(5):76-8 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the therapeutic efficacy of sulfanilamides as a function of their pharmacokinetics in patients with infectious-inflammatory respiratory diseases] Matveeva SA. **Sov Med** 1981;(11):15-7 (Eng. Abstr.) **(Rus)**

[Combined use of sulfamonomethoxine and UV irradiation in chronic pneumonia] Matveeva SA. **Sov Med** 1981; (12):85-7 **(Rus)**

URINE

Determination of sulfa drugs in biological fluids by liquid chromatography/mass spectrometry/mass spectrometry. Henion JD, et al. **Anal Chem** 1982 Mar;54(3):451-6

SULFANILIC ACID see under **BENZENESULFONATES**

SULFANINYLBUTYLUREA see **CARBUTAMIDE**

SULFAPYRIDINE see under **SULFANILAMIDES**

SULFAQUINOXALINE see under **SULFANILAMIDES**

SULFASALAZINE see **SALICYLAZOSULFAPYRIDINE**

SULFATASES

ANALYSIS

Heterogeneity of arylsulphatase from goose organs. Czyżewska K, et al. **Acta Biochim Pol** 1981;28(3–4):367–77

Differential assay of arylsulfatase A and B activities: a sensitive method for cultured human cells. Chang PL, et al. **Anal Biochem** 1981 Nov 1;117(2):382–9

A continuous spectrophotometric assay for arylsulfatase activity, dependent on the formation of complexes between cupric ions and nitrocatechols. Clark AG, et al. **Anal Biochem** 1981 Dec;118(2):231–9

A micromethod for the detection of arylsulfatases A and B in cultured fibroblasts and amniocytes. Gravel RA, et al. **Anal Biochem** 1982 Jan 15;119(2):360–4

Studies on hydrolytic enzymes of chimpanzee semen. Srivastava PN, et al. **Biol Reprod** 1981 Sep;25(2):363–9

Arylsulfatase-cytochemical localization in lenses of normal and galactose-fed rats. Price G, et al. **Curr Eye Res** 1981–82;1(10):567–77

Elevated levels of arylsulfatase C activity in cultured skin fibroblasts of patients with autosomal dominant ichthyosis vulgaris. Meyer JC, et al. **Hum Genet** 1982;60(1):69–70

BIOSYNTHESIS

Synthesis and processing of arylsulfatase A in human skin fibroblasts. Waheed A, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):425–30

Metabolism of exogenous uridine 5'-triphosphate, adenosine 5'-triphosphate and pyrophosphate by alkylsulfatase-producing bacteria. Stewart GJ, et al. **Int J Biochem** 1981;13(9):1019–26

BLOOD

Iduronate sulfatase from human plasma. Wasteson A, et al. **Methods Enzymol** 1982;83 Pt D:573–8

[Activity of A and B arylsulfatases in human leukocytes] Wilińska L, et al. **Pol Tyg Lek** 1981 Apr 13;36(15):517–9 (Eng. Abstr.) **(Pol)**

DEFICIENCY

Genetic heterogeneity in metachromatic leukodystrophy. Kihara H. **Am J Hum Genet** 1982 Mar;34(2):171–81 (87 ref.)

Placental steroid deficiency: association with arylsulfatase A deficiency. Vidgoff J, et al. **Am J Hum Genet** 1982 May; 34(3):434–43

Prenatal diagnosis of Maroteaux-Lamy syndrome. Van Dyke DL, et al. **Am J Med Genet** 1981;8(2):235–42

Problems in the clinical interpretation of arylsulfatase A deficiency [letter] Zlotogora J, et al. **Am J Med Genet** 1981; 10(4):413–5

Keratan and herparan sulfaturia: glucosamine-6-sulfate deficiency. Matalon R, et al. **Ann Clin Lab Sci** 1982 May-Jun;12(3):234–8

A variant form of metachromatic leukodystrophy without arylsulfatase deficiency. Hahn AF, et al. **Ann Neurol** 1982 Jul;12(1):33–6

Two cases of placental sulphatase deficiency with unusual endocrine features. Knox DJ, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):242–5

Biochemical characterization of neonatal multiple sulfatase deficient (MSD) disorder cultured skin fibroblasts. Eto Y, et al. **Biochem Biophys Res Commun** 1982 May 31; 106(2):429–34

Galactose 6-sulfate sulfatase activity in Morquio syndrome. Yutaka T, et al. **Clin Chim Acta** 1982 Jul 1;122(2):169–80

Metachromatic leukodystrophy caused by a partial cerebroside sulfatase. Kihara H, et al. **Clin Genet** 1982 Apr; 21(4):253–61

Properties of sulfatases in cultured skin fibroblasts of multiple sulfatase deficient patients. Yutaka T, et al. **Clin Genet** 1981 Oct;20(4):296–303

Enhanced breakdown of arylsulfatase A in multiple sulfatase deficiency. Waheed A, et al. **Eur J Biochem** 1982 Apr 1; 123(2):317–21

Acid mucopolysaccharide (AMPS) abnormality in multiple sulfatase deficiency: chemical compositions of AMPS in urine and liver. Eto Y, et al. **Pediatr Res** 1982 May; 16(5):395–9

Antenatal diagnosis of placental sulphatase deficiency. Wallace AM, et al. **Scott Med J** 1981 Oct;26(4):323–7

[Placental sulphatase deficiency] Lykkesfeldt G, et al. **Ugeskr Laeger** 1981 Aug 31;143(36):2288–90 (25 ref.) (Eng. Abstr.) **(Dan)**

[Placental sulphatase deficiency and ichthyosis] Lykkesfeldt G, et al. **Ugeskr Laeger** 1981 Aug 31;143(36):2291–3 **(Dan)**

[Microsomal sulfatase deficiency in X chromosome-linked ichthyosis] Meyer JC, et al. **Hautarzt** 1982 Feb;33(2):82–8 (Eng. Abstr.) **(Ger)**

GENETICS

Conserved autosomal syntenic group on mouse (MMU) chromosome 15 and human (HSA) chromosome 22: assignment of a gene for arylsulfatase A to MMU 15 and regional mapping of DIA1, ARSA, and ACO2 on HSA 22. Francke U, et al. **Cytogenet Cell Genet** 1981;31(2):58–69

Biochemical evidence for the non-inactivation of the steroid sulfatase locus in human placenta and fibroblasts. Bedin M, et al. **Hum Genet** 1981;59(3):256–8

Heterozygote detection in MLD. allelic mutations at the ARA locus. Farrell DF. **Hum Genet** 1981;59(2):129–34

Multiple molecular forms of lysosomal enzymes in mucolipidosis II. Farrell DF, et al. **Hum Genet** 1981; 58(3):317–21

Genetic variation of hexosaminidase A and arylsulfatase A activity. Correlation study in amnio-maternal pairs of cultured cells. Harzer K, et al. **Hum Genet** 1981;57(4):394–8

Regional assignment of arylsulfatase A, mitochondrial aconitase and NADH-cytochrome b5 reductase by somatic cell hybridization. Hors-Cayla MC, et al. **Hum Genet** 1981; 58(2):140–3

Further evidence for the assignment of the steroid sulfatase X-linked ichthyosis locus to the telomer of Xp [letter] Müller CR, et al. **Hum Genet** 1981;58(4):446

Genetic regulation of murine hepatic arylsulfatase B activity during development. Daniel WL, et al. **J Hered** 1982 Jan-Feb;73(1):24–8

Evidence for x-linkage and non-inactivation of steroid sulphatase locus in wood lemming. Ropers HH, et al. **Nature** 1982 Apr 22;296(5859):766–7

IMMUNOLOGY

Use of antibodies and the primary enzyme immunoassay (PEIA) to study enzymes: the arylsulfatase A--anti-arylsulfatase A system. Neuwelt EA. **Methods Enzymol** 1981;73(Pt B):550–78

ISOLATION & PURIFICATION

Identification and partial characterization of two enzyme forms of iduronate sulfatase from human placenta. Di Natale P, et al. **Biochim Biophys Acta** 1981 Sep 15; 661(1):106–11

Biochemical investigation to the reliability of the histochemical demonstration of microsomal arylsulphatase activity in cryostat sections. van der Loos CM, et al. **Histochemistry** 1981;73(2):161–4

Arylsulphatase C activity of sheep liver & brain under different conditions of solubilization. Lakshmi S, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):36–9

Purification and some properties of human liver iduronate sulfatase. Yutaka T, et al. **J Biochem (Tokyo)** 1982 Feb; 91(2):433–41

METABOLISM

Localization of the activity of arylsulphatases A and B in the rat salivary glands. Vitaioli L, et al. **Acta Histochem (Jena)** 1981;69(1):70–6

Cerebroside sulfatase activator deficiency induced metachromatic leukodystrophy. Stevens RL, et al. **Am J Hum Genet** 1981 Nov;33(6):900–6

Feline mucopolysaccharidosis VI: purification and characterization of the resident arylsulfatase B activity. Vine DT, et al. **Am J Hum Genet** 1981 Nov;33(6):916–27

Biochemical abnormalities of metachromatic leukodystrophy in an adult psychiatric population. Mahon-Haft H, et al. **Am J Psychiatry** 1981 Oct;138(10):1372–4

Uridine diphospho-N-acetylgalactosamine 4-sulfate: isolation and high performance liquid chromatography assay of its reaction with arylsulfatase B. Fluharty AL, et al. **Anal Biochem** 1982 Apr;121(2):310–4

Protonometry: the measurement of reaction velocities by changes in proton concentration. Roy AB. **Anal Biochem** 1981 Sep 1;116(1):123–8

Isolation of a bile salt sulfatase-producing Clostridium strain from rat intestinal microflora. Huijghebaert SM, et al. **Appl Environ Microbiol** 1982 Jan;43(1):185–92

Steroid sulfatase, X-linked ichthyosis, and stratum corneum cell cohesion. Epstein EH Jr, et al. **Arch Dermatol** 1981 Dec;117(12):761–3

Enzymatic inactivation of SRS-Cys-Gly (leukotriene D). Sok DE, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):222–9

The slow kinetic transients of arylsulphatase A. O'Fagain C, et al. **Biochem J** 1982 Feb 1;201(2):345–52

On the enzymatic hydrolysis of the sulfate conjugate of 3-methoxy-4-hydroxyphenylglycol (MHPG). Karoum F, et al. **Biochem Med** 1980 Dec;24(3):314–20

The sulphatase of ox liver. XXIV. The glycosulphatase activity of sulphatase a. Roy AB, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):366–73

Steroid sulphatase activity in the skin biopsies of various types of ichthyosis. Ruokonen A, et al. **Br J Dermatol** 1981 Sep;105(3):291–5

Steroid sulfatase activity in cultured fibroblasts of XX males. Ropers HH, et al. **Cytogenet Cell Genet** 1981;30(3):168–73

The appearance of an extracellular arylsulfatase during morphogenesis of the sea urchin Strongylocentrotus purpuratus. Rapraeger AC, et al. **Dev Biol** 1981 Dec; 88(2):269–78

Enhanced breakdown of arylsulfatase A in multiple sulfatase deficiency. Waheed A, et al. **Eur J Biochem** 1982 Apr 1; 123(2):317–21

Comparative studies of murine anionic and cationic arylsulfatase B (1). Harrison BW, et al. **Experientia** 1982 Jan 15;38(1):73–5

Incidence and submicroscopic localization of arylsulphatase activity in the preimplantation rat ovum. Stastná J. **Folia Morphol (Praha)** 1982;30(1):93–8

Enzymic heterogeneity of adrenocortical lysosomes: an X-ray microanalytical study. Bácsy E. **Histochem J** 1982 Jan;14(1):99–112

Activity of steroid sulfatase in fibroblasts with numerical and structural X chromosome aberrations. Ropers HH, et al. **Hum Genet** 1981;57(4):354–6

Changes in the kinetic properties of beta-N-acetylhexosaminidase and arylsulfatase A upon immobilization on concanavalin A. Farooqui AA, et al. **Int J Biochem** 1981;13(8):893–7

Enhancement of residual arylsulfatase B activity in feline mucopolysaccharidosis VI by thiol-induced subunit association. Vine DT, et al. **J Clin Invest** 1982 Feb; 69(2):294–302

Estrone sulfatase activity in guinea pig tissues. Hobkirk R, et al. **J Steroid Biochem** 1982 Jul;17(1):71–6

Genetic control of developmental patterns of cerebral enzyme activities: further differences between C3H and ICR strains of mice. Bird TD, et al. **Neurochem Res** 1981 Aug;6(8):863–71

The diagnostic value of sural nerve biopsy in metachromatic leucodystrophy and other conditions with low leucocyte arylsulphatase A activities. Vos AJ, et al. **Neuropediatrics** 1982 Feb;13(1):42–6

Circadian changes of lysosomal enzyme activities in rat hepatocytes using ultracytochemistry. Uchiyama Y, et al. **Prog Clin Biol Res** 1981;59C(00):117–24

URINE

Aryl sulfatase A in acute nonlymphocytic leukemia. Pillai MV, et al. **Am J Hematol** 1982 May;12(3):305–7

Some observations on the assay of arylsuphatase A in urine. Davidson DF. **J Clin Pathol** 1981 Oct;34(10):1102–5

[Determination of enzyme activity and beta 2-microglobulin concentration in the urine in chronic diffuse glomerulonephritis and hypertension] Klimenko VS, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):43–5 (Eng. Abstr.) **(Rus)**

SULFATE ADENYLYLTRANSFERASE see under **NUCLEOTIDYLTRANSFERASES**

SULFATES

Binding of zinc to casein. Harzer G, et al. **Am J Clin Nutr** 1982 May;35(5):981–7

The interaction of sulfate with carbonic anhydrase. Simonsson I, et al. **Eur J Biochem** 1982 Mar;123(1):29–36

[A processing method of Xuan Ming Fen (thenardite) (author's transl)] Li ZD. **Chung Yao Tung Pao** 1981 May; 6(3):17 **(Chi)**

ADMINISTRATION & DOSAGE

Oral supplements and zinc metabolism [letter] Simkin PA. **J Rheumatol** 1981 Jul-Aug;8(4):693–5

Effects of oral zinc loading on zinc metabolism in humans--I: Experimental studies. Aamodt RL, et al. **Metabolism** 1982 Apr;31(4):326–34

Effects of oral zinc loading on zinc metabolism in humans II: in vivo kinetics. Babcock AK, et al. **Metabolism** 1982 Apr;31(4):336–47

[Preparation of eye drops with zinc sulphate and adrenaline (author's transl)] Springer V, et al. **Pharmazie** 1981 Oct; 36(10):706–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

The UCLA population studies of chronic obstructive respiratory disease. IV. Respiratory effect of long-term exposure to photochemical oxidants, nitrogen dioxide, and sulfates on current and never smokers. Detels R, et al. **Am Rev Respir Dis** 1981 Dec;124(6):673–80

Response of individuals with reactive airway disease to sulfates and other atmospheric pollutants. Frezieres RG, et al. **Ann Allergy** 1982 Mar;48(3):156–65

Rashes amongst persulphate workers. White IR, et al. **Contact Dermatitis** 1982 May;8(3):168–72

Is polioencephalomalacia associated with high-sulfate diets? Raisbeck MF. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1303–5

[Occupational hygiene in the production of potassium fertilizers] **Arkhangel'skiĭ VA, et al. Gig Tr Prof Zabol** 1982 Feb;(2):39–40 **(Rus)**

ANALYSIS

A method for determining tissue sulfate. Acuff RV, et al. **Anal Biochem** 1981 Dec;118(2):259–61

Application of isotope dilution analysis to the determination of sulfate in glycoproteins and oligosaccharides. Susz JP, et al. **Anal Biochem** 1982 Mar 1;120(2):404–9

Determination of sulphate and uronic acid in glycosaminoglycans of human dermis and in urine. Poulsen

JH. **Scand J Clin Lab Invest** 1981 Jun;41(4):367–81

Sources of northeast pollution [letter] Rahn KA. **Science** 1982 Aug 20;217(4561):688

[Sulphur dioxide and sulphates in the air in the Zagreb suburban districts, Remetinec and Samobor] Gentilizza M, et al. **Arh Hig Rada Toksikol** 1981;32(3):261–73 (Eng. Abstr.) **(Scr)**

BLOOD

On the determination of inorganic sulfate in serum and dialysate. Kan M, et al. **Biochem Med** 1981 Oct; 26(2):135–42

The oxidation of L- and D-cysteine to inorganic sulfate and taurine in the rat. Krijgsheld KR, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):7–12

Determination of the total amount of inorganic sulfate removed during hemodialysis treatment. Kan M, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):275–8

Analysis of neutral steroid sulfates by glass capillary gas chromatography–mass spectrometry (GC–MS) from blood of a patient with paraquat poisoning. Ludwig-Köhn H, et al. **Clin Chim Acta** 1982 May 20;121(2):189–98

Plasma inorganic sulfate in children with chronic renal failure. Michalk D, et al. **Clin Nephrol** 1981 Jul;16(1):8–12

Microassay of inorganic sulfate in biological fluids by controlled flow anion chromatography. Cole DE, et al. **J Chromatogr** 1981 Oct 9;225(2):359–67

Circulating somatomedin activity and sulfate levels in adults with normal and impaired kidney function. Phillips LS, et al. **Metabolism** 1981 Nov;30(11):1091–5

Possible role of inorganic sulphate in the pathogenesis of hyperparathyroidism in chronic renal failure. Michalk D, et al. **Proc Eur Dial Transplant Assoc** 1981;18:561–6

CEREBROSPINAL FLUID

Inorganic sulfate in cerebrospinal fluid from infants and children. Cole DE, et al. **Clin Chim Acta** 1982 Mar 26; 120(1):153–9

METABOLISM

Sulfate transport in rabbit proximal convoluted tubules: presence of anion exchange. Brazy PC, et al. **Am J Physiol** 1981 Sep;241(3):F300–7

H+-dependent sulfate secretion in the marine teleost renal tubule. Renfro JL, et al. **Am J Physiol** 1982 Aug; 243(2):F150–9

Undersulfated proteoglycans are induced by the ionophore monensin: study of possible mechanisms. Kajiwara T, et al. **Arch Biochem Biophys** 1982 Mar;214(1):51–5

Studies on dissimilatory sulfate-reducing bacteria that decompose fatty acids. I. Isolation of new sulfate-reducing bacteria enriched with acetate from saline environments. Description of Desulfobacter postgatei gen. nov., sp. nov. Widdel F, et al. **Arch Microbiol** 1981 Jul;129(5):395–400

Sulfate uptake and somatomedin levels in the 'little' (lit/lit) mouse. McKern NM, et al. **Aust J Biol Sci** 1981; 34(2):221–30

The incorporation in vitro of sulphate ions into synaptic-membrane glycoproteins. White CJ. **Biochem J** 1981 Nov 15;200(2):373–7

Selective inhibition of sulfate conjugation in the rat: pharmacokinetics and characterization of the inhibitory effect of 2,6-dichloro-4-nitrophenol. Koster H, et al. **Biochem Pharmacol** 1982 May 15;31(10):1919–24

Sulfate depletion after acetaminophen administration and replenishment by infusion of sodium sulfate or N-acetylcysteine in rats. Lin JH, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2723–5

The effect of fasting on sulfation and glucuronidation in the rat in vivo. Mulder GJ, et al. **Biochem Pharmacol** 1982 May 15;31(10):1941–4

Sulphate conjugation of isoprenaline by lung, small intestine and other organs. Wong KP. **Biochem Pharmacol** 1982 Jan 1;31(1):59–62

Biosynthesis of cell surface sulfated glycoproteins by cultured vascular endothelial cells. Heifetz A, et al. **Biochemistry** 1982 Jan 5;21(1):171–7

Hydrogen transfer between C19 steroids during oxidoreduction at C-17 in vivo. Cronholm T, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):149–58

Effects of ethanol metabolism on oxidoreduction and intermolecular hydrogen transfer at C-17 in steroid 3-sulphates in vivo. Cronholm T, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):159–65

A relationship between anion transport and a structural transition of the human erythrocyte membrane. Snow JW, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):418–28

In vivo quantification of renal sulfate and glucuronide conjugation in the chicken. Diamond GL, et al. **Drug Metab Dispos** 1981 Sep–Oct;9(5):402–9

Mechanism of sulphate transfer from 4-nitrophenylsulphate to phenolic acceptors via liver cytosolic sulphotransferase. Anhalt E, et al. **Enzyme** 1982;27(3):171–8

Sulphation of a cell surface glycoprotein from Volvox carteri. Evidence for a membrane-bound sulfokinase working with PAPS. Willadsen P, et al. **FEBS Lett** 1982 Mar 8; 139(1):113–6

Effect of cystic fibrosis and non-cystic fibrosis plasma on the movement and retention of 45Ca2+ and 35SO42- in guinea-pig stomach and small intestine. Morrissey SM, et al. **Gut** 1981 Oct;22(10):788–92

Determination of the thermodynamic parameters for 5'-sulfate coenzyme derivatives. Apotyrosine transaminase complex formation. Minelli A, et al. **Ital J Biochem** 1982 Jan–Feb;31(1):17–21

Effect of calcium on sulfated mucous glycoprotein secretion in dog trachea. Marin MG, et al. **J Appl Physiol** 1982 Jan; 52(1):198–205

Secondary bioenergetic hypoxia. Inhibition of sulfation and glucuronidation reactions in isolated hepatocytes at low O2 concentration. Aw TY, et al. **J Biol Chem** 1982 Aug 10;257(15):8997–9004

Contribution of oligosaccharide sulfation to the charge heterogeneity of a viral glycoprotein. Hsu CH, et al. **J Biol Chem** 1982 Aug 10;257(15):9035–8

Altered proteoglycan synthesis by epiphyseal cartilages in culture at low SO4(2-) concentration. Ito K, et al. **J Biol Chem** 1982 Jan 25;257(2):917–23

Incorporation in vitro of [3H]glucosamine or [3H]glucose and [35S]SO42- into rat gastric mucosa. Presence of N-acetylhexosamine mono- and disulfates and galactose monosulfate in glycoprotein. Liau YH, et al. **J Biol Chem** 1982 May 10;257(9):4709–18

Analysis of the transport system for inorganic anions in normal and transformed hepatocytes. von Dippe P, et al. **J Biol Chem** 1982 Apr 25;257(8):4381–5

Sterol sulfate metabolism in the adrenals of the human fetus, anencephalic newborn, and adult. Korte K, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):671–5

Sulfate transport in rabbit ileum: characterization of the serosal border anion exchange process. Langridge-Smith JE, et al. **J Membr Biol** 1981;63(3):207–14

Active sulfate absorption in rabbit ileum: dependence on sodium and chloride and effects of agents that alter chloride transport. Smith PL, et al. **J Membr Biol** 1981; 63(3):199–206

Effect of experimental renal failure on sulfate retention and acetaminophen pharmacokinetics in rats. Lin JH, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):80–4

Characterization of adenohypophysial polypeptides by two-dimensional gel electrophoresis. II. Sulfated and glycosylated polypeptides. Rosa P, et al. **Mol Cell Endocrinol** 1981 Nov;24(2):181–93

Sulphation of tyrosine residues-a widespread modification of proteins. Huttner WB. **Nature** 1982 Sep 16; 299(5880):273–6

Comparison of oral and intravenous radiosulfate spaces in dialysis patients. Adam WR. **Nephron** 1982;30(3):271–3

Metabolic labeling of lutropin with [35S]sulfate. Hortin G, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7468–72

Measurement of thrombocytopoiesis in W/Wv mice with evidence for an abnormality of sulfate metabolism. Threatte GA, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):576–80

Estrogen sulfurylation as an alternative indicator of hormone dependence in human breast cancer. Pewnim T, et al. **Steroids** 1982 Jan;39(1):47–52

[Demonstration of the presence of an ultrafiltrable substance in human serum activating somatomedin A] Heulin MH, et al. **C R Soc Biol (Paris)** 1981;175(3):364–71 (Eng. Abstr.) **(Fre)**

[Transport of H+ in mitochondria induced by the uptake of sulfite, sulfate and thiosulfate] Stipani I, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1430–6 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

A study of the role of sulphate ions on the development of the sea urchin egg. Lallier R. **Acta Embryol Morphol Exp** 1980 Apr;1(1):3–11

Effect of zinc sulphate supplementation on amino acid absorption from pig intestine. I. Intestinal loop tests. Boldizsár H, et al. **Acta Vet Acad Sci Hung** 1981; 28(4):409–18

Luminal influences on potassium secretion: chloride replacement with sulfate. Velázquez H, et al. **Am J Physiol** 1982 Jan;242(1):F46–55

Comparison of low dietary calcium and sodium sulfate for the potentiation of tetracycline antibiotics in broiler diets. Waldroup PW, et al. **Avian Dis** 1981 Oct–Dec;25(4):857–65

Inhibition of the soluble guanylate cyclase from rat lung by sulfated polyanions. Liebel MA, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):957–64

Bacteriophage T7 protein kinase is magnesium-dependent and sulfate-activated. Rogers HW, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):201–7

Sulfate depletion after acetaminophen administration and replenishment by infusion of sodium sulfate or N-acetylcysteine in rats. Lin JH, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2723–5

Zinc accumulation and succinate dehydrogenase activation in hepatic mitochondria of rats orally administered zinc sulfate. Yamaguchi M, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2370–4

Saline cathartics and saline cathartics plus activated charcoal as antidotal treatments. Chin L, et al. **Clin Toxicol** 1981 Jul;18(7):865–71

Ultrastructural and time-lapse studies of primary mesenchyme cell behavior in normal and sulfate-deprived sea urchin embryos. Katow H, et al. **Exp Cell Res** 1981 Dec;136(2):233–45

Sensitivity and resistance to growth promoting agents in animal lactobacilli. Dutta GN, et al. **J Appl Bacteriol** 1981 Oct;51(2):283–8

Proton–sulfate co-transport: mechanism of H+ and sulfate addition to the chloride transporter of human red blood cells. Milanick MA, et al. **J Gen Physiol** 1982 Jan; 79(1):87–113

Drosophila melanogaster populations selected for resistance to NaCl and CuSo4 in both allopatry and sympatry. Wallace B. **J Hered** 1982 Jan–Feb;73(1):35–42

Zinc sensitivity of Trichomonas vaginalis: in vitro studies and clinical implications. Krieger JN, et al. **J Infect Dis** 1982 Sep;146(3):341–5

Effect of a chronic acid load as sulfate or sulfur amino acids on bone metabolism in adult rats. Whiting SJ, et al. **J Nutr** 1981 Oct;111(10):1721–6

Identification of the component responsible for the effects of added dietary copper sulphate in the female domestic fowl. Jackson N, et al. **J Sci Food Agric** 1981 Nov; 32(11):1047–56

A double-blind trial of systemic zinc sulfate in recurrent aphthous stomatitis. Wray D. **Oral Surg** 1982 May; 53(5):469–72

Influence of sulfated and unsulfated cholecystokinin octapeptide on conditioned feeding behaviour in rats. Fekete M, et al. **Peptides (Fayetteville)** 1981 Winter; 2(4):385–8

[Effect of anions on the oxidative phosphorylation and ATPase activity in mitochondria] Ivashchenko AT, et al. **Vopr Med Khim** 1981 May–Jun;27(3):313–7 (Eng. Abstr.) **(Rus)**

POISONING

Acute pulmonary hemodynamic effects of intravenous copper sulfate: role of alpha-adrenergic system. Ahmed T, et al. **J Appl Physiol** 1981 Nov;51(5):1204–13

THERAPEUTIC USE

Isolated IgG hypogammaglobulinemia in acrodermatitis enteropathica: correction with zinc therapy. Wilson MC, et al. **Ann Allergy** 1982 May;48(5):288–91

Erosive pustular dermatosis of the scalp successfully treated with oral zinc sulphate [letter] Ikeda M, et al. **Br J Dermatol** 1982 Jun;106(6):742–3

Diabetes mellitus: impaired wound healing from zinc deficiency. Engel ED, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):536–44

Saline catharsis: effect on aspirin bioavailability in combination with activated charcoal. Sketris IS, et al. **J Clin Pharmacol** 1982 Jan;22(1):59–64

Successful outcome of two pregnancies in a patient with congenital acrodermatitis enteropathica. **Nutr Rev** 1982 Mar;40(3):78–80 (15 ref.)

[Clinical experience on efficacy of Monsel's solution (author's transl)] Su GB. **Chung Hua Wai Ko Tsa Chih** 1981 Nov; 19(11):685–6 (Eng. Abstr.) **(Chi)**

[Zinc sulfate treatment of toxic and nutritional optic neuropathies] Béchetoille A, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:230–7 **(Fre)**

[Tolerance of large doses of oral zinc sulfate] Tschumi P, et al. **Schweiz Med Wochenschr** 1981 Oct 17;111(42):1573–7 (Eng. Abstr.) **(Ger)**

[Acrodermatitis enteropathica (?) without diarrhea or malabsorption successfully treated with zinc] Oren M, et al. **Harefuah** 1982 Jan 15;102(2):61–2 (Eng. Abstr.) **(Heb)**

TOXICITY

Influence of complexans (NTA, EDTA) on the toxicity of aluminum chloride and sulfate to fish at high concentrations. Muramoto S. **Bull Environ Contam Toxicol** 1981 Aug;27(2):221–5

URINE

3'-O-methyl-(+)-catechin glucuronide and 3'-O-methyl-(+)-catechin sulphate: new urinary metabolites of (+)-catechin in the rat and the marmoset. Hackett AM, et al. **Experientia** 1982 May 15;38(5):538–40

Urinary excretion of sulfur amino acids and sulfur metabolites in burned patients receiving parenteral nutrition. Larsson J, et al. **J Trauma** 1982 Aug;22(8):656–63

Dietary risk factors of stroke and hypertension in Japan — Part 2: Validity of urinalysis for dietary salt and protein intakes under a field condition. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):939–43

Dietary risk factors of stroke and hypertension in Japan — Part 1: Methodological assessment of urinalysis for dietary salt and protein intakes. Yamori Y, et al. **Jpn Circ J** 1982 Sep;46(9):933–8

The effects of short-term fasting on the excretion of sulfur compounds in healthy subjects. Mårtensson J. **Metabolism** 1982 May;31(5):487–92

SULFATES, INORGANIC see **SULFATES**

SULFATES, ORGANIC see **SULFURIC ACIDS**

SULFATHIAZOLES

[On the compression behaviour of spray-dried sulphathiazole (author's transl)] Kala H, et al. **Pharmazie** 1982 Feb; 37(2):129–31 (Eng. Abstr.) **(Ger)**

[Electron-microscopic studies on the texture of sulphathiazole and sulphathiazole tablets (author's transl)]

Kedvessy G, et al. **Pharmazie** 1982 Feb;37(2):132-4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Screening test for sulfamethazine and sulfathiazole in swine liver. Parks OW. **J Assoc Off Anal Chem** 1982 May; 65(3):632-4

BLOOD

Circular dichroic examination of the interaction of some planar acidic drugs with tryptophan-modified human serum albumin. Vallner JJ, et al. **J Pharm Pharmacol** 1981 Nov;33(11):697-700

METABOLISM

Pharmacokinetics of sulfaethidole in the rat: nonlinear multicompartment solution. Kekki M, et al. **J Pharmacokinet Biopharm** 1982 Feb;10(1):27-51

THERAPEUTIC USE

Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239-42

The effects of bowel preparation for colon surgery on the colon microflora. Gerritsen GP, et al. **Neth J Surg** 1982 May;34(2):67-71

[Patients with symptoms of acute urinary infections treated with piromidic acid or sulfamethizole in general practice. A double-blind clinical controlled multicentre study] Johansen KS, et al. **Ugeskr Laeger** 1981 Sep 21; 143(39):2491-4 (Eng. Abstr.) **(Dan)**

SULFATIDES

Preparation of asymmetric, cerebroside sulfate-containing phospholipid vesicles. Cestaro B, et al. **Biochim Biophys Acta** 1982 Feb 8;685(1):13-20

Thermotropic behavior of dipalmitoylphosphatidylcholine-sulfatide liposomes. Cestaro B, et al. **Ital J Biochem** 1981 Nov-Dec;30(6):430-6

ANALYSIS

Radioisotopic assay for galactocerebrosides and sulfatides. Singh H, et al. **Methods Enzymol** 1982;83 Pt D:191-5

BLOOD

Sulfatide role in the sodium pump. Zambrano F, et al. **J Membr Biol** 1981;63(1-2):71-5

CHEMICAL SYNTHESIS

Synthesis of dehydroepiandrosterone sulfatide and 16 alpha-halogenated steroids. Abou-Gharbia M, et al. **J Pharm Sci** 1981 Oct;70(10):1154-7

METABOLISM

Ganglioside and galactolipid accumulation in the progeny of hypothyroid and hypothyroid growth hormone treated pregnant rats. Porterfield SP, et al. **Horm Metab Res** 1982 Apr;14(4):225-6

Vesicular transport of sulfatide in the myelinating mouse brain. Functional association with lysosomes? Burkart T, et al. **J Biol Chem** 1982 Mar 25;257(6):3151-6

A change in the cerebrosides and sulfatides in a demyelinating nervous system. Development of the methodology and study of multiple sclerosis and Wallerian degeneration. Yahara S, et al. **J Neurol Sci** 1982 May;54(2):303-15

Levels and syntheses of cerebrosides and sulfatides in subcellular fractions of jimpy mutants. Yahara S, et al. **Neurochem Res** 1981 Aug;6(8):885-92

PHARMACODYNAMICS

Properties of sulfatides in factor-XII-dependent contact activation. Tans G, et al. **Blood** 1982 Jan;59(1):69-75

SULFATIDOSIS see **LEUKODYSTROPHY, METACHROMATIC**

SULFATION FACTOR see **SOMATOMEDINS**

SULFHEMOGLOBIN

Photolytic studies on the carbon monoxide complex of sulphaemoglobin. Brittain T, et al. **Biochem J** 1982 Jan 1; 201(1):153-9

ANALYSIS

Determination of aberrant hemoglobin derivatives in human blood. Salvati AM, et al. **Methods Enzymol** 1981;76:715-31

SULFHEMOGLOBINEMIA

CHEMICALLY INDUCED

Chronic drug induced sulphaemoglobinaemia simulating a Hb M disease. Sartori ML, et al. **Panminerva Med** 1981 Jul-Sep;23(3):193-8

[A case of an antalgic-induced (Phenacetin + Acetanilid) sulf and methemoglobinemia in a woman receiving an antimetabolite (Methotrexate) (author's transl)] Muller A, et al. **Anesth Analg (Paris)** 1981;38(9-10):551-3 **(Fre)**

DIAGNOSIS

Determination of aberrant hemoglobin derivatives in human blood. Salvati AM, et al. **Methods Enzymol** 1981;76:715-31

SULFHYDRASES see under **LYASES**

SULFHYDRYL COMPOUNDS

Suppression of the argyrophil III reaction by mercapto compounds (a prerequisite for the intensification of certain histochemical reactions by physical developers). Gallyas F. **Acta Histochem (Jena)** 1982;70(1):99-105

Effect of chemical modification of sulfhydryl groups of hyman erythrocyte enzymes. Valentine WN, et al. **Am J Hematol** 1981 Sep;11(2):111-24

Synthesis and characterization of N-(4-azidophenylthio)phthalimide: A cleavable, photoactivable crosslinking reagent that reacts with sulfhydryl groups. Moreland RB, et al. **Anal Biochem** 1982 Apr;121(2):321-6

Role of cysteine and 4'-phosphopantetheine in the inactivation of pigeon liver fatty acid synthetase by S-(4-bromo-2,3-dioxobutyl)-coenzyme A. Kativar SS, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):517-22

Salt-induced conformational changes in the catalytic subunit of adenosine cyclic 3',5'-phosphate dependent protein kinase. Use for establishing a connection between one sulfhydryl group and the gamma-P subsite in the ATP site of this subunit. Jiménez JS, et al. **Biochemistry** 1982 Mar 30;21(7):1623-30

On the protein accommodating site of the catalytic subunit of adenosine cyclic 3',5'-phosphate dependent protein kinase. Kupfer A, et al. **Biochemistry** 1982 Mar 30; 21(7):1631-7

Feulgen staining with picric and m-phosphoric acid Schiff reagents and their shelf-life. Dutt MK. **Cell Mol Biol** 1981; 27(2-3):175-9

Reactivity of the thiol group in human and bovine albumin at pH 3--9, as measured by exchange with 2,2'-dithiodipyridine. Pedersen AO, et al. **Eur J Biochem** 1980 May;106(1):291-5

Modification of the rapidly reacting thiols of atrial and ventricular myosins. Evidence for structural variances around the SH-1 thiol of the two isozymes. Srivastava S, et al. **Eur J Biochem** 1982 Jan;121(2):457-61

Synthetic irreversible inhibitors of coagulation enzymes. Shaw E. **Folia Haematol (Leipz)** 1982;109(1):33-42

Preparation of technetium-99-DMS renal complex in solution and its chemical and biological characterization. Vanlić-Razumenić N, et al. **Int J Appl Radiat Isot** 1982 Apr;33(4):277-84

Use of thiol acids in peptide segment coupling in non-aqueous solvents. Yamashiro D, et al. **Int J Pept Protein Res** 1981 Oct;18(4):383-92

Inhibition of Bacillus cereus spore outgrowth by covalent modification of a sulfhydryl group by nitrosothiol and iodoacetate. Morris SL, et al. **J Bacteriol** 1981 Nov; 148(2):465-71

Physicochemical properties and states of sulfhydryl groups of uricase from Candida utilis. Nishimura H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):41-8

2-Thioflavins as active site probes of flavoproteins. Claiborne A, et al. **J Biol Chem** 1982 Jan 10;257(1):174-82

Reactions of acyl phosphates with carboxylate and thiol anions. Model reactions for CoA transferase involving anhydride formation. Moore SA, et al. **J Biol Chem** 1982 Sep 25;257(18):10874-81

Model reactions for CoA transferase involving thiol transfer. Anhydride formation from thiol esters and carboxylic acids. Moore SA, et al. **J Biol Chem** 1982 Sep 25;257(18):10882-92

Formation of active site thiol esters of CoA transferase and the dependence of catalysis on specific binding interactions. Moore SA, et al. **J Biol Chem** 1982 Sep 25; 257(18):10893-907

Accessibilities and reactivities of cysteine thiols during refolding of reduced bovine pancreatic trypsin inhibitor. Creighton TE. **J Mol Biol** 1981 Sep 5;151(1):211-3

Regulatory and essential light-chain interactions in scallop myosin. I. Protection of essential light-chain thiol groups by regulatory light-chains. Hardwicke PM, et al. **J Mol Biol** 1982 Mar 25;156(1):141-52

Inactivation of soya bean trypsin inhibitors by thiols. Friedman M, et al. **J Sci Food Agric** 1982 Feb;33(2):165-72

Muscimol and gamma-hydroxybutyrate: similar interactions with convulsant agents. Unnerstall JR, et al. **Life Sci** 1981 Jul 27;29(4):337-44

ADMINISTRATION & DOSAGE

[Relationship between ADCC effector cells and the combination therapy of pantethine and lecithin--a proposal for management of patients with HBsAg carrier state (author's transl)] Murata T, et al. **Igaku Kenkyu** 1981 Oct; 51(4):213-23 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Patch testing with mercaptobenzothiazole and mercapto-mixes. Lynde CW, et al. **Contact Dermatitis** 1982 Jul;8(4):273-4

ANALYSIS

Thiol levels in normal and psoriatic corneocytes. Mier PD, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):243-6

Quantitative determination of free thiol and disulphide groups by a fluorescent maleimide procedure. Broekaert D, et al. **Acta Histochem (Jena)** 1982;70(1):62-8

A novel reversible thiol-specific spin label: papain active site labeling and inhibition. Berliner LJ, et al. **Anal Biochem** 1982 Jan 15;119(2):450-5

A simple, rapid assay for cysteamine and other thiols. Jonas AJ, et al. **Anal Biochem** 1981 Jul 1;114(2):429-32

New reagents for the introduction of the thiomethyl group at sulfhydryl residues of proteins with concomitant spectrophotometric titration of the sulfhydryls: methyl 3-nitro-2-pyridyl disulfide and methyl 2-pyridyl disulfide. Kimura T, et al. **Anal Biochem** 1982 May 15;122(2):274-82

N,N-Bis(alpha-iodoacetyl)-2,2'-dithiobis(ethylamine), a reversible crosslinking reagent for protein sulfhydryl groups. Ludueña RF, et al. **Anal Biochem** 1981 Oct; 117(1):76-80

Assay of the enzymatic hydrolysis of pantetheine. Wittwer C, et al. **Anal Biochem** 1982 May 15;122(2):213-22

Detection of two essential sulfhydryl residues in Escherichia coli B glycogen synthase. Holmes E, et al. **Arch Biochem Biophys** 1982 Jul;216(2):736-40

Analysis of micro-encapsulated d-limonene dimercaptan, a possible herbicide marker for Cannabis sprayed with paraquat, using gas chromatography. Turner CE, et al. **Bull Narc** 1981;33(1):43-54

Micro-assay of sulfhydryl group content per tissue protein by tridensitometry. Araki T, et al. **Cell Mol Biol** 1982; 28(2):213-6

Changes of glutathione and protein bound SH-groups concentration in rat adrenals under acute and repeated stress. Sedlák J, et al. **Endocrinol Exp (Bratisl)** 1982; 16(2):103-9

Total sulfhydryl by raman spectroscopy in the intact lens of several species: variations in the nucleus and along the optical axis during aging. Kuck JF, et al. **Exp Eye Res** 1982 Jan;34(1):23-37

The distribution of thiol groups among the tryptic fragments of the heavy chain of myosin subfragment-1. Hozumi T. **J Biochem (Tokyo)** 1982 May;91(5):1817-9

Studies on a Ca2+-activated neutral proteinase of rabbit skeletal muscle. II. Characterization of sulfhydryl groups and a role of Ca2+ ions in this enzyme. Tsuji S, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1405-11

The sulfhydryl groups of the 35,000-dalton C-terminal segment of band 3 are located in a 9000-dalton fragment produced by chymotrypsin treatment of red cell ghosts. Ramjeesingh M, et al. **J Bioenerg Biomembr** 1981 Dec; 13(5-6):411-23

Microfluorometric analysis of protein thiol groups with a coumarinylphenylmaleimide. Sippel TO. **J Histochem Cytochem** 1981 Dec;29(12):1377-81

Quantitative microspectrometrical determination of the total protein and total protein-SH content of the nuclei of Ehrlich ascites tumor cells without prior isolation. Nöhammer G, et al. **Microsc Acta** 1981 Sep;85(1):19-24

Nonprotein sulfhydryl alterations in F-344 rats following acute methyl chloride inhalation. Dodd DE, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):228-36

Glutathione and non-protein sulfhydryl in cerebral cortex and lung in mice exposed to high oxygen pressure. Waechter JM Jr, et al. **Toxicology** 1982;23(2-3):213-21

[Polarization optical detection of sulfhydryl and disulfide groups in membranes of blood and tumor cells (author's transl)] Scheuner G, et al. **Anat Anz** 1982;151(3):315-7 **(Ger)**

[The role of methyl mercaptan and dimethyl sulfide in the expired alveolar gas in patients with hepatic coma (author's transl)] Hisamura M. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2424 **(Jpn)**

[Effect of phenazepam and barbamyl on normalization of the sulfhydryl group content of brain tissue following sleep deprivation] Panov AN, et al. **Fiziol Zh SSSR** 1981 Jul; 67(7):978-82 (Eng. Abstr.) **(Rus)**

[Determination of mercaptans and organic sulfides in air by a gas chromatography method with flame-photometry detection] Dmitriev MT, et al. **Gig Sanit** 1981 Aug;(8):56-8 **(Rus)**

[Data on a hygienic evaluation of an underground gas storage plant as a source of atmospheric pollution by mercaptans] Poliak VE. **Gig Sanit** 1981 Aug;(8):72 **(Rus)**

[Degree of methylmercaptan pollution of the atmosphere in the area of an underground gas storage station] Poliak VE. **Gig Tr Prof Zabol** 1982 Apr;(4):47-8 **(Rus)**

BLOOD

Determination of thiol concentrations in haemolysate by resonance Raman spectrometry. Banford JC, et al. **Analyst** 1982 Feb;107(1271):195-9

The environment of the sulfhydryl group in human plasma albumin as determined by spin labeling. Cornell CN, et al. **Arch Biochem Biophys** 1981 Jun;209(1):1-6

Intersubject variability in the anticoagulant response to heparin in vitro. Bjornsson TD, et al. **Eur J Clin Pharmacol** 1982;21(6):491-7

Assay of alpha-cysteine proteinase inhibitor in serum or plasma. Minakata K, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):493-8

Free thiol groups and labile disulfide bonds in the IgG fraction of human serum. Schauenstein E, et al. **J Immunol Methods** 1982;50(1):51–6

Serum SH reactivity: a simple assessment of D-penicillamine absorption? Hall ND, et al. **Rheumatol Int** 1981;1(1):39–41

Serum sulfhydryl concentrations in patients with malignant lymphoma. Grimaldi MG, et al. **Tumori** 1981 Oct 31; 67(5):411–3

[Reactive SH-groups in clinical practice. Methodological notes] Ferraccioli GF, et al. **Acta Biomed Ateneo Parmense** 1981;52(5):171–7 (Eng. Abstr.) **(Ita)**

[Polarographic activity of the sulfosalicylic filtrate, blood serum sulfhydryl groups and the polarographic index in healthy children] Chekalin AF. **Pediatriia** 1981 Jul;(7):60–2 **(Rus)**

[Levels of serum sulfhydryl groups in pulmonary tuberculosis] Sushkin AG. **Probl Tuberk** 1981 Nov; (11):64–6 **(Rus)**

[Blood level of Sh-groups and their effect on biochemical processes in diabetic patients] Cheshchevik AB. **Ter Arkh** 1981;53(12):110–2 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of the eicosapeptide corresponding to the N-terminal amino acid sequence of the major component of human lymphoblastoid interferon. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1390–7

Thiol compounds. III Synthesis and antihypertensive activity of mercaptoacylamino acids. Oya M, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1203–13

[Synthetic inhibitors of serine proteinases. Part 25: Inhibition of trypsin, plasmin and thrombin by amides of N alpha-substituted amidinophenylalanines and 3-amidinophenyl-3-aminopropionic acids (author's transl)] Stürzebecher J, et al. **Pharmazie** 1981 Sep;36(9):639–41 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

99mTechnetium DMSA and the prediction of recovery in obstructive uropathy. Chibber PJ, et al. **Br J Urol** 1981 Dec;53(6):492–5

Renal scanning: pitfalls in the diagnosis of mass lesions. Webber MM, et al. **Clin Nucl Med** 1982 Jul;7(7):327–30

DMSA scan and the prediction of recovery in obstructive uropathy. Chisholm GD, et al. **Eur Urol** 1982;8(4):227–30

A clinical study of 99mTechnetium dimercaptosuccinic acid uptake in obstructed kidneys: comparison with the creatinine clearance. De Maeyer P, et al. **J Urol** 1982 Jul; 128(1):8–9

Re: defining renal anatomy and function with 99m Technetium dimercaptosuccinic acid: clinical and renographic correlation [letter] Powers TA, et al. **J Urol** 1982 Jul;128(1):153

Evaluation of residual renal function and prediction of the prognosis of polycystic kidney disease by 99m Tc-dimercaptosuccinic acid (DMSA) renal scintigraphy. Kawamura J, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):1031–4

Effects of obstruction on single-kidney function: clinical and experimental results with 131I-hippurate and 99mTc-DMSA. Moser E, et al. **Nuklearmedizin** 1980 Dec; 19(6):257–62

97Ru-DMSA for delayed renal imaging. Oster ZH, et al. **Radiology** 1981 Oct;141(1):185–90

Use of 99mTc-DMSA in renal cortical abscess [letter] Hosokawa S. **Urology** 1981 Dec;18(6):633

[Individual renal function determinated by 99mTechnetium-dimercaptosuccinic acid and 131I-hippuran] Munck O, et al. **Ugeskr Laeger** 1981 Nov 23;143(48):3219–22 (Eng. Abstr.) **(Dan)**

[Determination of serum triglyceride using 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole (II)] Fujiwara M, et al. **Rinsho Byori** 1981 Nov;29(11):1151–5 **(Jpn)**

ISOLATION & PURIFICATION

Analysis of biological thiols: derivatization with monobromobimane and separation by reverse-phase high-performance liquid chromatography. Newton GL, et al. **Anal Biochem** 1981 Jul 1;114(2):383–7

Isolation and characterization from potato tubers of two polypeptide inhibitors of serine proteinases. Pearce G, et al. **Arch Biochem Biophys** 1982 Feb;213(2):456–62

An endogenous inhibitor of cysteine and serine proteinases from spleen. Brzin J, et al. **FEBS Lett** 1982 Feb 22; 138(2):193–7

METABOLISM

Influence of SH- groups in the formation of neuronal lipofuscin in 'Torpedo M.'. Aloj Totaro E, et al. **Acta Neurol (Napoli)** 1981 Jun;36(3):460–7

Reactions of aromatic nitroso compounds with thiols. Diepold C, et al. **Adv Exp Med Biol** 1981;136 Pt B:1173–81

Detection of serine proteinase inhibitors in human cornified cells. Hibino T, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):948–55

Evidence for a reactive sulfhydryl in the DNA binding domain of the 1,25-dihydroxyvitamin D3 receptor. Pike JW. **Biochem Biophys Res Commun** 1981 Jun;100(4):1713–9

Relation of internal thioesters to conformational change and receptor-recognition site in alpha 2-macroglobulin complexes. Van Leuven F, et al. **Biochem J** 1982 May 1; 203(2):405–11

Protective role of endogenous pulmonary glutathione and other sulfhydryl compounds against lung damage by alkylating agents. Investigations with 4-ipomeanol in the rat. Boyd MR, et al. **Biochem Pharmacol** 1982 Apr 15; 31(8):1579–83

Involvement of sulfhydryl groups in the oxidative modulation of particulate lung guanylate cyclase by nitric oxide and N-methyl-N'nitro-N-nitrosoguanidine. Braughler JM. **Biochem Pharmacol** 1982 Apr 1;31(7):1239–44

Involvement of tissue sulfhydryls in the formation of a complex of methylmercury with selenium. Iwata H, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3159–63

Depletion by 1,2-dibromoethane, 1,2-dibromo-3-chloropropane, tris(2,3-dibromopropyl)phosphate, and hexachloro-1,3-butadiene of reduced non-protein sulfhydryl groups in target and non-target organs. Kluwe WM, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2265–71

The stimulus-secretion coupling of glucose-induced insulin release. Thiol: disulfide balance in pancreatic islets. Anjaneyulu K, et al. **Biochimie** 1982 Jan;64(1):29–36

Mechanism of misonidazole-linked cytotoxicity and altered radiation response: role of cellular thiols. Biaglow JE, et al. **Br J Radiol** 1981 Nov;54(647):1006–8

Effect of KI-(2-ethylhexyl) phthalate on drug metabolism, lipid peroxidation, and sulfhydryl content of rat liver. Agarwal DK, et al. **Drug Metab Dispos** 1982 Jan-Feb; 10(1):77–80

The reactivity of -SH groups in the ADP/ATP carrier isolated from beef heart mitochondria. Aquila H, et al. **Eur J Biochem** 1982 Feb;122(1):141–5

N-polymethylenecarboxymaleimides — a new class of probes for membrane sulphydryl groups. Griffiths DG, et al. **FEBS Lett** 1981 Nov 16;134(2):261–3

The energy-dependent unmasking of -SH groups in the mitochondrial ADP/ATP carrier, and its prevention by nigericin. Michejda J, et al. **FEBS Lett** 1981 Sep 14; 132(1):129–32

Superoxide-dependent formation of hydroxyl radicals in the presence of thiol compounds. Rowley DA, et al. **FEBS Lett** 1982 Feb 8;138(1):33–6

Trypsin-induced activation of the thiol esters in alpha 2-macroglobulin generates a short-lived intermediate ('nascent' alpha 2-M) that can react rapidly to incorporate not only methylamine or putrescine but also proteins lacking proteinase activity. Sottrup-Jensen L, et al. **FEBS Lett** 1981 Jun 1;128(1):123–6

Radiosensitizing and cytotoxic properties of ortho-substituted 4- and 5-nitroimidazoles: role of NPSH reactivity. Astor M, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):409–13

Non-protein thiols and cellular response to drugs and radiation. Biaglow JE, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):719–23

Enhanced cytotoxicity of melphalan by prolonged exposure to nitroimidazoles: the role of endogenous thiols. Roizin-Towle L, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar-Apr;8(3-4):757–60

Sulfhydryl groups related to the catalytic activity of gramicidin S synthetase 1 of Bacillus brevis. Kanda M, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):765–71

Sulfur donor ligand binding to ferric cytochrome P-450-CAM and myoglobin. Ultraviolet-visible absorption, magnetic circular dichroism, and electron paramagnetic resonance spectroscopic investigation of the complexes. Sono M, et al. **J Biol Chem** 1982 Jul 25; 257(14):8308–20

Role of sulfhydryl groups in aortic responses using N-ethylmaleimide. Tomera JF, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):1093–105

Tc-99m DMSA renal uptake: influence of biochemical and physiologic factors. Yee CA, et al. **J Nucl Med** 1981 Dec; 22(12):1054–8

Relationship of tissue nonprotein/sulfhydryls to the acute toxic effects of 1,2-dibromo-3-chloropropane. Kluwe WM, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):399–405

Protein binding of N-2-mercaptoethyl-1,3-diaminopropane via mixed disulfide formation after oral administration of WR 2721. Tabachnik NF, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):243–6

Adenine-N-oxide produced from adenine with gamma-rays and its binding to SH protein. Yamamoto O. **J Radiat Res (Tokyo)** 1980 Dec;21(3-4):239–47

Role of renal cortical sulfhydryl groups in development of mercury-induced renal toxicity. Johnson DR. **J Toxicol Environ Health** 1982 Jan;9(1):119–26

Dose-dependent effects of vinyltoluene inhalation on non-protein thiols and drug biotransformation in liver and kidneys of the rat. Heinonen T, et al. **Xenobiotica** 1981 Apr;11(4):285–9

[Effects of the fungicides, nabam and zineb, on oxygenase activity and thiolate content in rat liver microsomes] Miladi N, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):761–3 (Eng. Abstr.) **(Fre)**

[Hypothetical phosphile-thiol molecular mechanism of Na+/K+- and Ca2+ pump functioning in biomembranes] Lemeshko VV. **Dokl Akad Nauk SSSR** 1981;259(1):232–4 **(Rus)**

PHARMACODYNAMICS

Reversible changes in the activity of inorganic pyrophosphatase of Streptococcus faecalis. The effect of compounds containing SH-groups. Lahti R, et al. **Acta Chem Scand [B]** 1981;35(1):33–8

Effect of thiol blocking agents on the binding of T3 and T4 in rat liver nuclear extract. Knopp J, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):68–72

Excretion of methyl mercury in rat bile: the effect of thioctic acid, thionalide, hexadecyl- and octadecylmercaptoacetate. Refsvik T. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar; 50(3):196–205

Biological chelation: 2,3-dimercapto-propanesulfonic acid and meso-dimercaptosuccinic acid. Aposhian HV. **Adv Enzyme Regul** 1982;20:301–19

Detection, identification, and partial characterization of serine proteases and esterases in biological systems. Scheiner CJ, et al. **Anal Biochem** 1982 May 1;122(1):58–69

Effect of pantethine on myocardial pH reduced by partial occlusion of the coronary artery in dogs with special reference to the myocardial levels of adenosine triphosphate, creatine phosphate, and lactate. Shibano T, et al. **Arch Int Pharmacodyn Ther** 1982 Feb;255(2):281–92

Role of thiols in degradation of proteins by cathepsins. Kooistra T, et al. **Biochem J** 1982 May 15;204(2):471–7

Inhibition of human and dog serine pancreatic proteinases by naturally occurring high-molecular-weight inhibitors from plant or animal origin. Gertler A, et al. **Biochem Med** 1982 Apr;27(2):143–53

Inhibition of human factor Xa by various plasma protease inhibitors. Ellis V, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):24–31

Specificity of the reaction of rat liver L-serine dehydratase with aminothiols. Pagani R, et al. **Biosci Rep** 1981 Dec; 1(12):955–62

Phagocytosis-induced chemotaxis receptor cycling in neutrophils is mediated by thiol oxidation. Lane TA, et al. **Blood** 1982 Jun;59(6):1337–43

Thiol radioprotection in vivo: the critical role of tissue oxygen concentration [letter] Denekamp J, et al. **Br J Radiol** 1981 Dec;54(648):1112–4

Thiol-dependent inhibition of RNA synthesis in vitro by acridines: structure-inhibition relationships. Gniazdowski M, et al. **Cancer Lett** 1982 Jan;15(1):73–9

Thiol regulation of protein, growth hormone, and prolactin release from isolated adenohypophysial secretory granules. Lorenson MY, et al. **Endocrinology** 1982 Apr; 110(4):1164–72

Schistosoma mansoni: Astiban-induced damage to tegument and the male reproductive system. Otubanjo OA. **Exp Parasitol** 1981 Oct;52(2):161–70

A relationship between thiols and the superoxide ion. McNeil CJ, et al. **FEBS Lett** 1981 Oct 12;133(1):175–7

Inhibition of nitrosation of amines by thiols, alcohols and carbohydrates. Williams DL, et al. **Food Chem Toxicol** 1982 Feb;20(1):79–81

Aliphatic alcohols and the inhibition by thiol chelating agents of the binding of [3H] dihydroalprenolol to myocardial beta-adrenoceptors. Moustafa E, et al. **Gen Pharmacol** 1981;12(6):439–44

The effect of pantethine, a precursor of coenzyme A, on bile acids and lipids in rats fed with a cholesterol diet. Kajiyama G, et al. **Hiroshima J Med Sci** 1981 Sep; 30(3):215–20

Inhibitory mechanism of sericystatin, an intracellular proteinase inhibitor, reacting with cysteine proteinases. Kopitar M, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct; 362(10):1411–4

Activation of murine lymphocytes by 2-mercaptoethanol and related thiol compounds and its mechanism. I. Relationship between mitogenic activities and augmenting effects on antibody synthesis in vitro. Ohmori H, et al. **Immunopharmacology** 1981 Dec;3(4):333–45

Effects of oxygen and sulphydryl-containing compounds on irradiated transforming DNA. Part I. Actions of dithiothreitol. Held KD, et al. **Int J Radiat Biol** 1981 Dec; 40(6):613–22

Inhibition of coupling factor B activity by cadmium ion, arsenite-2,3-dimercaptopropanol, and phenylarsine oxide, and preferential reactivation by dithiols. Joshi S, et al. **J Biol Chem** 1981 Nov 10;256(21):11112–6

Enhancement of residual arylsulfatase B activity in feline mucopolysaccharidosis VI by thiol-induced subunit association. Vine DT, et al. **J Clin Invest** 1982 Feb; 69(2):294–302

Enhanced bismuth digestive absorption in rats by some sulfhydryl compounds: nmr study of complexes formed. Chaleil D, et al. **J Inorg Biochem** 1981 Nov;15(3):213–21

Mobilization and removal of methylmercury in the dog during extracorporeal complexing hemodialysis with 2,3-dimercaptosuccinic acid (DMSA). Kostyniak PJ. **J Pharmacol Exp Ther** 1982 Apr;221(1):63–8

Biliary excretion of cadmium in rat. V. Effects of structurally related mercaptans on chelation of cadmium from metallothionein. Cherian MG, et al. **J Toxicol Environ Health** 1982 Mar;9(3):389–99

Protective effect of sulfhydryl compounds on acute toxicity of morphinone. Nagamatsu K, et al. **Life Sci** 1982 Mar 29;30(13):1121–7

The effect of sulfhydryl compounds on sister-chromatid exchanges. II. The question of cell specificity and the role of H2O2. Speit G, et al. **Mutat Res** 198- Mar;93(1):175–83

Potentiation of the insulin-releasing capacity of tolbutamide by thiols: studies on the isolated perfused pancreas. Ammon HP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):262–7

Regulation of pyruvate dehydrogenase kinase activity by protein thiol–disulfide exchange. Pettit FH, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3945–8

The effect of sulfhydryl blocking agents on the uptake of L-carnitine in an established human cell line (CCL 27). Kjernes U, et al. **Scand J Clin Lab Invest** 1981 Apr; 41(2):209–13

FOY: [ethyl p-(6-guanidinohexanoyloxy) benzoate] methanesulfonate as a serine proteinase inhibitor. II. In vivo effect on coagulofibrinolytic system in comparison with heparin or aprotinin. Ohno H, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):445–52

Preference for drinking water containing dimercaptosuccinic acid by rats intoxicated with methylmercury. Magos L, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):557–60

Effects of coadministered low-molecular-weight thiol compounds on short-term distribution of methyl mercury in the rat. Thomas DJ, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):104–10

[Synthetic inhibitors of serine proteinases. Part 26: Inhibition of trypsin, plasmin and thrombin by amides of N alpha-arylsulfonylated 2-amino-4-(4-amidino-phenyl) butyric acid and 2-amino-5-amidinophenyl valeric acids (author's transl)] Stürzebecher J, et al. **Pharmazie** 1982 Apr; 37(4):281–3 (Eng. Abstr.) **(Ger)**

[Mechanism of hepatocyte-protective action of prostenoglycine] Casaretti L, et al. **Clin Ter** 1981 Dec 31; 99(6):629–35 (Eng. Abstr.) **(Ita)**

[Protective action of prostenoglycine in in-vitro experimental erythrocyte poisoning] Palmieri B, et al. **Clin Ter** 1981 Dec 31;99(6):623–7 (Eng. Abstr.) **(Ita)**

[Purification and properties of thiol-activated cathepsin from bovine cerebrum and cerebellum] Berezin VA, et al. **Ukr Biokhim Zh** 1982 May-Jun;54(3):249–53 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bleb formation in hepatocytes during drug metabolism is caused by disturbances in thiol and calcium ion homeostasis. Jewell SA, et al. **Science** 1982 Sep 24; 217(4566):1257–9

Sulfhydryl compounds may mediate gastric cytoprotection. Szabo S, et al. **Science** 1981 Oct 9;214(4517):200–2

POISONING

Butyl mercaptan poisoning in the Parnell civil defence emergency: fact or fiction. Christophers AJ. **NZ Med J** 1982 Apr 28;95(706):277–8

RADIATION EFFECTS

[Acceleration of thiol compound oxidation under increasing solar activity] Sokolovskiĭ VV. **Probl Kosm Biol** 1982; 43:194–7 **(Rus)**

THERAPEUTIC USE

Effect of pantethine on lipoprotein profiles and HDL subfractions in experimentally hypercholesterolemic rabbits. Tomikawa M, et al. **Atherosclerosis** 1982 Feb; 41(2–3):267–77

Studies on the urotoxicity of oxazaphosphorine cytostatics and its prevention. 2. Comparative study on the uroprotective efficacy of thiols and other sulfur compounds. Brock N, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1155–63

Treatment of mercuric chloride poisoning with dimercaptosuccinic acid and diuretics: preliminary studies. Aaseth J, et al. **J Toxicol Clin Toxicol** 1982 Apr; 19(2):173–86

Sulphydryl groups and diseases. Williams R. **Med Chir Dig** 1981;10(5):409–10

[Effects of soysterol, pantethine and dl-alpha-tocopheryl nicotinate on hyperlipemia in rats (author's transl)] Nakayama S, et al. **Nippon Yakurigaku Zasshi** 1981 Sep; 78(3):191–202 (Eng. Abstr.) **(Jpn)**

[Eliminatory effect of oxathiol upon exposure to fumes of metallic mercury (203Hg)] Skomorkhova TN, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):46–7 **(Rus)**

TOXICITY

Acute and subchronic toxicity studies of rats exposed to vapors of methyl mercaptan and other reduced-sulfur compounds. Tansy MF, et al. **J Toxicol Environ Health** 1981 Jul-Aug;8(1-2):71–88

URINE

Identification and determination of 2-thiothiazolidine-4-carboxylic acid in urine of workers exposed to carbon disulfide. van Doorn R, et al. **Arch Toxicol** 1981 Mar;47(1):51–8

Determination of penicillamine and other thiols by combined high-performance liquid chromatography and post-column reaction with Ellman's reagent: application to human urine. Beales D, et al. **J Chromatogr** 1981 Dec 11;226(2):498–503

The effects of short-term fasting on the excretion of sulfur compounds in healthy subjects. Mårtensson J. **Metabolism** 1982 May;31(5):487–92

SULFHYDRYL COMPOUNDS ANTAGONISTS see **SULFHYDRYL REAGENTS**

SULFHYDRYL COMPOUNDS INHIBITORS see **SULFHYDRYL REAGENTS**

SULFHYDRYL REAGENTS

Use of N-ethylmaleimide to prevent interference by sulfhydryl reagents with the glucose oxidase assay for glucose. Haugaard N, et al. **Anal Biochem** 1981 Sep 15; 116(2):341–3

Elimination of thiol reagent interference during Lowry protein determination. Hughes J, et al. **Anal Biochem** 1981 Oct;117(1):1–5

New reagents for the introduction of the thiomethyl group at sulfhydryl residues of proteins with concomitant spectrophotometric titration of the sulfhydryls: methyl 3-nitro-2-pyridyl disulfide and methyl 2-pyridyl disulfide. Kimura T, et al. **Anal Biochem** 1982 May 15;122(2):274–82

Characterization of a new sulfhydryl group reagent: 6, 6'-diselenobis-(3-nitrobenzoic acid), a selenium analog of Ellman's reagent. Luthra NP, et al. **Anal Biochem** 1981 Oct;117(1):94–102

Specific cleavage of glucosephosphate isomerases at cysteinyl residues using 2-nitro-5-thiocyanobenzoic acid: analyses of peptides eluted from polyacrylamide gels and localization of active site histidyl and lysyl residues. Lu HS, et al. **Arch Biochem Biophys** 1981 Dec;212(2):347–59

Alkyl selenosulphates (seleno Bunte salts). A new class of thiol-blocking reagents. Scarf AR, et al. **Biochem J** 1982 Feb 1;201(2):305–9

Covalent linkage of antisera to microparticulate cellulose using 1,1'-carbonyldiimidazole: a rapid, practical method with potential use in solid-phase immunoassay. Chapman RS, et al. **Clin Chim Acta** 1982 Jan 5;118(1):129–34

BLOOD

Binding of 21 thiol reagents to human hemoglobin in solution and in intact cells. Garel MC, et al. **Eur J Biochem** 1982 Apr;123(3):513–9

CHEMICAL SYNTHESIS

Ammonium 4-chloro-7-sulfobenzofurazan: a new fluorigenic thiol-specific reagent. Andrews JL, et al. **Arch Biochem Biophys** 1982 Mar;214(1):386–96

Methoxycarbonyl-CoA disulfide: an active site-directed sulfhydryl reagent. Hersh LB, et al. **Methods Enzymol** 1981; 72:584–7

DIAGNOSTIC USE

Sulphhydryl and disulphide stainings of amyloid: a comparison with hyaline body. Danno K, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):285–9

IMMUNOLOGY

Cell-mediated lympholytic responses against autologous cells modified with haptenic sulfhydryl reagents. III. Different regions of hapten-membrane protein conjugates influence CTL specificity and Ir gene control of hapten-self CTL responses. Levy RB, et al. **J Immunol** 1981 Dec; 127(6):2218–23

PHARMACODYNAMICS

Heart mitochondrial creatine kinase solubilization. Effect of mitochondrial swelling and SH group reagents. Font B, et al. **Arch Biochem Biophys** 1981 Nov;212(1):195–203

Reactive sulfhydryl groups of coenzyme B12-dependent diol dehydrase: differential modification of essential and nonessential ones. Kuno S, et al. **Arch Biochem Biophys** 1981 Sep;210(2):474–80

Control of the mitochondrial inner membrane permeability by sulfhydryl groups. Lê-Quôc K, et al. **Arch Biochem Biophys** 1982 Jul;216(2):639–51

Effect of sulfhydryl group inhibitors on restriction endonuclease activities. Nath K. **Arch Biochem Biophys** 1981 Dec;212(2):611–7

Modification of acetylcholinesterase with N-dansylaziridine. Mutus B, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1136–43

Modification and inactivation of CoA transferase by 2-nitro-5-(thiocyanato)benzoate. Kindman LA, et al. **Biochemistry** 1981 Sep 1;20(18):5183–7

Role of sulfhydryl oxidation in adipocyte plasma membrane surface in the response of adenylate cyclase to isoproterenol and glucagon. Mukherjee SP, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):339–49

Effect of homogeneous magnetic fields on responses to toxic stimulation in Spirostomum ambiguum. Ripamonti A, et al. **Bioelectromagnetics** 1981;2(2):187–98

Effects of thiol agents on the accumulation of cadmium by rat liver parenchymal and Kupffer cells. Skilleter DN, et al. **Chem Biol Interact** 1981 Nov;37(3):289–98

Phylogeny and ontogeny of the phosphoglycerate mutases – III. Inactivation of rabbit muscle phosphoglycerate mutase (type M isozyme) by the sulfhydryl group reagents. Carreras J, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):57–63

Effect of sulfhydryl reagents on the conversion of thyroxine to 3,5,3'-triiodothyronine: direct action on thyroxine molecules. Ozawa Y, et al. **Endocrinology** 1982 Jan; 110(1):241–5

The inhibitory effects of sulphydryl reagents on the transport and hydrolysis of glutamine in rat-liver mitochondria. Joseph SK, et al. **Eur J Biochem** 1981 Oct;119(3):523–9

Modification of the thiol residues of pyridine nucleotide transhydrogenase from Azotobacter vinelandii. Activity modulation by the divalent thiol reagent p-aminophenylarsenoxide. Voordouw G, et al. **Eur J Biochem** 1981 Sep 1;118(3):541–6

Modification of adrenaline mydriasis by agents acting on sulphydryl groups. Tongia SK, et al. **Indian J Physiol Pharmacol** 1982 Jan-Mar;26(1):94–6

Studies on the sulfhydryl group of L-galactonolactone oxidase. Noguchi E, et al. **J Biochem (Tokyo)** 1981 Jul; 90(1):33–8

Phosphate transport in rat liver mitochondria: location of sulfhydryl groups essential for transport activities. Wehrle JP, et al. **J Bioenerg Biomembr** 1981 Dec;13(5–6):285–94

Reduced sulfhydryl groups are required for activation of uterine progesterone receptor. Possible involvement of an inhibitor of activation. MacDonald RG, et al. **J Biol Chem** 1982 Jan 10;257(1):311–5

The structure of partially oxygenated hemoglobin. A highly reactive intermediate toward a sulfhydryl titrant. Makino N, et al. **J Biol Chem** 1982 Jan 10;257(1):163–8

The effect of adenine nucleotides on inhibition of the thylakoid protein kinase by sulfhydryl-directed reagents. Millner PA, et al. **J Biol Chem** 1982 Feb 25;257(4):1736–42

Conformational change accompanying transition of ADP-sensitive phosphoenzyme to potassium-sensitive phosphoenzyme of (Na+,K+)-ATPase modified with N-[p-(2-benzimidazolyl)phenyl]maleimide. Taniguchi K, et al. **J Biol Chem** 1982 Sep 25;257(18):10659–67

Influence of sodium and sulphydryl groups on [3H]sulpiride binding sites in rat striatal membranes. Freedman SB, et al. **J Neurochem** 1982 May;38(5):1459–65

On the nature of the interaction between serotonin and serotonin binding protein: effect of nucleotides, ions, and sulfhydryl reagents. Tamir H, et al. **J Neurochem** 1982 Jan; 38(1):135–41

Modification of cation permeability of rabbit descending colon by sulphydryl reagents. Luger A, et al. **J Physiol (Lond)** 1981 Aug;317:49–66

Glucocorticoid receptors in carrageenin-induced granuloma in rats: activation to dexamethasone-binding form by sulfhydryl compounds. Endo Y, et al. **J Steroid Biochem** 1981 Dec;14(12):1337–45

Arsenic-induced developmental defects and mitotic abnormalities in sea-urchin development. Pagano G, et al. **Mutat Res** 1982 Jul;104(6):351–4

Sulfhydryl compounds may mediate gastric cytoprotection. Szabo S, et al. **Science** 1981 Oct 9;214(4517):200–2

Interaction of alveolysin A sulfhydryl-activated bacterial cytolytic toxin with thiol group reagents and cholesterol. Geoffroy C, et al. **Toxicon** 1982;20(1):239–41

SULFIDES

Mercaptide-anion as a trans-ligand in oxycytochrome P450. Budyka MF, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):615–22

Cooxidation of benzidine by horseradish peroxidase and subsequent formation of possible thioether conjugates of benzidine. Rice JR, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1312–8

Selective phagocytosis of crystalline metal sulfide particles and DNA strand breaks as a mechanism for the induction of cellular transformation. Costa M, et al. **Cancer Res** 1982 Jul;42(7):2757–63

[Hückel molecular orbital calculations of bis-(substituted-2-hydroxyphenyl)-sulfides] Wu J, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):718–20 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

[Effectiveness of sulfide mineral water treatment of I- and IIa-stage hypertensives] Mamatov BM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Sep-Oct;(5):32–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Establishment of a diet for workers exposed to methylsulfurous compounds: physiological and hygienic considerations] Dotsenko VA, et al. **Gig Sanit** 1981 Dec; (12):63–6 **(Rus)**

ANALYSIS

Determination of acid-labile sulfide and zero-valence sulfur in subchloroplast particles in the presence of sodium dodecyl sulfate. Sakurai H, et al. **Anal Biochem** 1982 Jan 15;119(2):372–7

Demonstration of ZnS in Ternidens deminutus using EDAX analysis. Goldsmid JM, et al. **Int J Parasitol** 1982 Jun; 12(2–3):145–9

[The role of methyl mercaptan and dimethyl sulfide in the expired alveolar gas in patients with hepatic coma (author's transl)] Hisamura M. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2424 **(Jpn)**

[Determination of mercaptans and organic sulfides in air by a gas chromatography method with flame-photometry

detection] Dmitriev MT, et al. **Gig Sanit** 1981 Aug;(8):56–8 **(Rus)**

BIOSYNTHESIS

Production of off odours by isolates from poultry skin with particular reference to volatile sulphides. Thomas CJ, et al. **J Appl Bacteriol** 1981 Dec;51(3):529–34

CHEMICAL SYNTHESIS

[Antimycotic effect of diaryl sulfides with open chains and ring systems containing pyridine and thiadiazole units] Bottino F, et al. **Farmaco [Sci]** 1982 May;37(5):298–303 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Oxidation of sulphide by cytochrome aa3. Nicholls P, et al. **Biochim Biophys Acta** 1981 Sep 14;637(2):312–20

[Antifungal activity of 3,3'-diindolyl-2,2'-tetrasulfide] Montanari L, et al. **Farmaco [Sci]** 1981 Oct;36(10):856–61 (Eng. Abstr.) **(Ita)**

[Suppression of mitochondrial respiration in Fasciola hepatica by dioxydiphenylsulfide derivatives] Savchenko AV, et al. **Med Parazitol (Mosk)** 1981 Nov–Dec;50(6):52–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of dibutyl sulphide on hepatocytes studied by means of the isolated rat liver perfusion after preceding exposure to tetrachloromethane and phenobarbital in vivo. Nováková O, et al. **Acta Univ Carol [Med] (Praha)** 1981; 27(1–2):139–45

Topical deodorized polysulfides. Broadscope acne therapy. Elstein W. **Cutis** 1981 Oct;28(4):468–72

[Sanatorium-health resort treatment of patients with progressive neuromuscular diseases] Ovnanian AA, et al. **Zh Nevropatol Psikhiatr** 1982;82(3):99–102 (Eng. Abstr.) **(Rus)**

TOXICITY

The effect of sulfide and cyanide on nerve function. Beck JF, et al. **Toxicol Lett** 1982 Feb;10(2–3):189–93

URINE

Determination of thioethers in urine [letter] Buffoni F, et al. **Clin Chem** 1982 Jan;28(1):248–50

Urinary thioether excretion in nurses handling cytotoxic drugs [letter] Jagun O, et al. **Lancet** 1982 Aug 21; 2(8295):443–4

SULFINIC ACIDS

ADMINISTRATION & DOSAGE

[An improvement on the preparative method of allicin injection (author's transl)] Yue YQ. **Chung Yao Tung Pao** 1981 May;6(3):12–4 **(Chi)**

SULFINPYRAZONE

ADMINISTRATION & DOSAGE

Interaction of sulphinpyrazone with warfarin. Miners JO, et al. **Eur J Clin Pharmacol** 1982;22(4):327–31

ADVERSE EFFECTS

Renal dysfunction with sulphinpyrazone therapy [letter] Boelaert J, et al. **Am Heart J** 1982 Jul;104(1):174–5

Phenylbutazone and sulfinpyrazone interaction with oral anticoagulant phenprocoumon. O'Reilly RA. **Arch Intern Med** 1982 Sep;142(9):1634–7

Stereoselective interaction of sulfinpyrazone with racemic warfarin and its separated enantiomorphs in man. O'Reilly RA. **Circulation** 1982 Jan;65(1):202–7

Non oliguric acute renal failure after treatment with sulfinpyrazone. Keidar S, et al. **Clin Nephrol** 1982 May; 17(5):266–7

Renal dysfunction due to anturane [letter] Boelaert J, et al. **N Engl J Med** 1981 Nov 5;305(19):1154

Acute renal failure following sulfinpyrazone therapy. Scherrer JJ, et al. **SD J Med** 1982 Apr;35(4):17–9

[Acute renal failure induced by sulfinpyrazone (author's transl)] Boelaert J, et al. **Nephrologie** 1981;2(3):92–5 (Eng. Abstr.) **(Fre)**

[Sulfinpyrazone-associated renal failure (author's transl)] Mayrhofer EF, et al. **Dtsch Med Wochenschr** 1982 Jul 9; 107(27):1057–60 (Eng. Abstr.) **(Ger)**

BLOOD

High-performance liquid chromatographic analysis of the sulfide metabolite of sulfinpyrazone in plasma. Godbillon J, et al. **J Chromatogr** 1982 Feb 12;227(2):516–20

METABOLISM

Pharmacokinetics of single doses of sulphinpyrazone and its major metabolites in plasma and urine. Bradbrook ID, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):177–85

Sulphinpyrazone metabolism during long-term therapy. Pedersen AK, et al. **Br J Clin Pharmacol** 1981 Jun; 11(6):597–603

Species differences in the disposition and metabolism of sulfinpyrazone. Dieterle W, et al. **Xenobiotica** 1981 Aug; 11(8):559–68

PHARMACODYNAMICS

Effects of sulfinpyrazone on early graft closure after myocardial revascularization. Baur HR, et al. **Am J Cardiol** 1982 Feb 1;49(2):420–4

Effects of sulfinpyrazone on ventricular vulnerability in the normal and the ischemic heart. Raeder EA, et al. **Am J Cardiol** 1982 Aug;50(2):271–5

Sulphinpyrazone prevents in vivo the inhibitory effect of aspirin on rat platelet cyclo-oxygenase activity. Rajtar G, et al. **Biochem Pharmacol** 1981 Oct;30(20):2773–6

Modulation of the inhibitory action of prostaglandin E1 on platelet aggregation in rats: a study with ticlopidine, aspirin, dipyridamole and sulfinpyrazone. Tuong CC, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1147–50

Potentiation of anticoagulant response to warfarin by sulphinpyrazone: a double-blind study in patients with prosthetic heart valves. Giroiami A, et al. **Clin Lab Haematol** 1982;4(1):23–6

Clinical pharmacokinetics and potentially important drug interactions of sulphinpyrazone. Pedersen AK, et al. **Clin Pharmacokinet** 1982 Jan–Feb;7(1):42–56 (75 ref.)

The effect of sulphinpyrazone on oxidative drug metabolism in man: inhibition of tolbutamide elimination. Miners JO, et al. **Eur J Clin Pharmacol** 1982;22(4):321–6

Inhibition by sulphinpyrazone of the platelet-dependent bronchoconstriction due to platelet-activating factor (PAF-acether) in the guinea pig. Chignard M, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):71–9

Effects of antianginal drugs on platelet aggregation of rabbits. Takano S, et al. **Fukushima J Med Sci** 1980 Jun; 27(1–2):25–9

Comparative interaction of sulfinpyrazone and phenylbutazone with racemic warfarin: alteration in vivo of free fraction of plasma warfarin. O'Reilly RA, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):691–4

Effects of sulfinpyrazone, aspirin and propranolol on the isoproterenol-induced myocardial necrosis. Hashimoto H, et al. **Jpn Heart J** 1981 Jul;22(4):643–52

Potentiation of barbiturate- and halothane-induced hypnosis after probenecid or sulfinpyrazone pretreatment. Ramanadham S, et al. **Neuropharmacology** 1982 Jun; 21(6):569–73

The effect of sulfinpyrazone on the response to sympathetic nervous system stimulation. Kelliher GJ, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):63–71

The metabolism of prostaglandin E2 is decreased by sulfinpyrazone in isolated hamster lungs. Uotila P. **Prostaglandins Med** 1981 Apr;6(4):441–7

Platelets, cardiac valves and sulphinpyrazone [letter] Loeliger EA. **Thromb Haemost** 1982 Apr 30;47(2):189

Sulphinpyrazone and indomethacin for inhibition of platelet prostaglandin synthesis. Huijgens PC, et al. **Thromb Res** 1981 Nov 1;24(3):267–70

[Effect of sulfinpyrazone on the platelet function and in experimental thrombosis] Haas S, et al. **Fortschr Med** 1981 Jan 29;99(4):113–8 (Eng. Abstr.) **(Ger)**

[Sulfinpyrazone and aspirin in experimental microthrombosis] Villaverde CA, et al. **Arch Farmacol Toxicol** 1981 Apr; 7(1):7–10 **(Spa)**

[Comparative study of the hypouricemic effects of calcitonin and sulfinpyrazone] Rico Lenza H, et al. **Rev Clin Esp** 1982 Feb 28;164(4):249–52 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Antiplatelet therapy and cerebrovascular diseases. Meloche JP. **Adv Otorhinolaryngol** 1982;28:100–3

Antiplatelet therapy. Sloan RW. **Am Fam Physician** 1981 Oct; 24(4):129–34

Anti platelet agents for strokes and myocardial infarction: a critical appraisal of recent clinical trials. Castaldi PA. **Aust NZ J Med** 1981 Dec;11(6):673–7

Sulfinpyrazone, mitral stenosis and atrial fibrillation [letter] BAssan MM. **Circulation** 1981 Oct;64(4):868

Platelet function in coronary artery disease: effects of coronary surgery and sulfinpyrazone. Cade JF, et al. **Circulation** 1982 Jul;66(1):29–32

Sulfinpyrazone and thromboembolism [letter] Loeliger EA. **Circulation** 1981 Nov;64(5):1076–7

Prevention of death from myocardial infarction by aspirin and other platelet active drugs [editorial] Elwood PC. **Clin Cardiol** 1979 Aug;2(4):241–5

Antiplatelet therapy. Turpie AG. **Clin Haematol** 1981 Jun; 10(2):497–520 (143 ref.)

Platelets and coronary heart disease: therapy update. Mehta JL. **Geriatrics** 1982 May;37(5):129–34, 139

Drug trials in prevention of occlusion of aorta--coronary artery vein grafts. Chesebro JH, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):90–3

Sulphinpyrazone in post-myocardial infarction. Report from the Anturan Reinfarction Italian Study. **Lancet** 1982 Jan 30;1(8266):237–42

Does sulphinpyrazone prevent recurrence of myocardial infarction? [letter] **Lancet** 1982 Mar 27;1(8274):735–6

Sex difference in antithrombotic effect of sulphinpyrazone [letter] Pay GF, et al. **Lancet** 1982 Feb 20;1(8269):461

The Anturane Reinfarction Trial: reevaluation of outcome. **N Engl J Med** 1982 Apr 22;306(16):1005–8

More on sulfinpyrazone after myocardial infarction [editorial] Hood WB Jr. **N Engl J Med** 1982 Apr 22;306(16):988–9

Sulfinpyrazone: an antiarrhythmic drug? Roos JC, et al. **PACE** 1982 May;5(3):345–51

Transient cerebral ischaemic attacks--management and prognosis. Roden S, et al. **Postgrad Med J** 1981 May; 57(667):275–8

A randomized trial of aspirin and sulfinpyrazone in patients with TIA. Candelise L, et al. **Stroke** 1982 Mar–Apr; 13(2):175–9

Platelet and coagulation function in patients with abnormal cardiac valves treated with sulphinpyrazone. Ludlam CA, et al. **Thromb Haemost** 1981 Dec 23;46(4):743–6

[Platelet antiaggregants and arteriopathies] Cristol R. **J Mal Vasc** 1981;6(3):237–41 (36 ref.) **(Fre)**

[Thrombosis prevention with thrombocyte aggregation inhibitors in the venous system] Schöndorf TH. **Med Welt** 1982 Jun 11;33(23):851–4 **(Ger)**

SULFISOMIDINE

ADMINISTRATION & DOSAGE

Therapeutic equivalence of sulfaisodimidine 2 g twice daily and 1 g four times daily in lower urinary tract infections. Melander A, et al. **Acta Med Scand** 1982;211(5):361–4

METABOLISM

Biological availability of sulfamethoxypyridazine and sulfisomidine polymers. Kassem AA, et al. **Pharmazie** 1981 Dec;36(12):827–30

PHARMACODYNAMICS

Loss of sulfonamide resistance in Neisseria meningitidis. Solberg O, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):267–70

SULFISOXAZOLE

ADMINISTRATION & DOSAGE

Comparative trial of two sulfisoxazole regimens in acute urinary tract infection. Prince RA, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):863–6

Therapy for acute cystitis in adult women. Randomized comparison of single-dose sulfisoxazole vs trimethoprim-sulfamethoxazole. Buckwold FJ, et al. **JAMA** 1982 Apr 2;247(13):1839–42

ADVERSE EFFECTS

Photosensitivity to topically applied sulfisoxazole ointment: evidence for a phototoxic reaction. Flach AJ, et al. **Arch Ophthalmol** 1982 Aug;100(8):1286–7

Possible sulfisoxazole and dietary-induced hypoprothrombinemia in an elderly woman. Cooper JW Jr, et al. **J Med Assoc Ga** 1981 Dec;70(12):875–7

Comparison of serum bilirubin levels in humans and two monogastric animal species after a single administration of sulfisoxazole. Suber RL, et al. **J Pharm Sci** 1982 Jan; 71(1):70–3

ANALYSIS

High pressure liquid chromatographic determination of sulfisoxazole in pharmaceuticals and separation patterns of other sulfonamides. Roos RW. **J Assoc Off Anal Chem** 1981 Jul;64(4):851–4

BLOOD

Plasma protein binding and half-life of sulphisoxazole (sulphafurazole). Shastri RA. **Br J Clin Pharmacol** 1982 Feb;13(2):249–50

METABOLISM

Surgically affected sulfisoxazole pharmacokinetics in the morbidly obese. Garrett ER, et al. **Biopharm Drug Dispos** 1981 Oct–Dec;2(4):329–65

THERAPEUTIC USE

Treatment of uncomplicated urinary tract infections with trimethoprim versus sulfisoxazole, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):842–50

An unusual case of chancroid. Himmelstein R, et al. **Cutis** 1982 May;29(5):463–4

Trimethoprim and sulfisoxazole in the treatment of urinary tract infections, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):388–9

SULFITE OXIDASES see under **OXIDOREDUCTASES**

SULFITE REDUCTASES see under **OXIDOREDUCTASES**

SULFITES

Thiamine destruction by sodium bisulfite in infusion solutions. Scheiner JM, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1911–3

Evidence from electron-paramagnetic-resonance spectroscopy for a complex of sulphite ions with the

molybdenum centre of sulphite oxidase. Bray RC, et al. **Biochem J** 1982 Jan 1;201(1):241-3
Tetramer-dimer dissociation of carboxyhemoglobin in the absence of dithionite. Sawicki CA, et al. **Biophys J** 1981 Aug;35(2):265-70
99mTc-labelled compounds prepared with sodium dithionite as reducing agent. Vilček S, et al. **Nuklearmedizin** 1981 Dec;20(6):283-9

ADMINISTRATION & DOSAGE

Addition of sodium metabisulphite to left atrial catheter infusates as a means of preventing bacterial colonisation of the catheter tip. Freeman R, et al. **Thorax** 1982 Feb; 37(2):142-4

ADVERSE EFFECTS

Inhaled metabisulfite sensitivity [letter] Werth GR. **J Allergy Clin Immunol** 1982 Aug;70(2):143
Bronchospasm induced by metabisulphite-containing foods and drugs. Baker GJ, et al. **Med J Aust** 1981 Nov 28; 2(11):614-7
Parenteral corticosteroids [letter] Healey J. **Med J Aust** 1982 Apr 3;1(7):290

METABOLISM

Studies on sulfite reduction by Desulfovibrio vulgaris. Domka F, et al. **Acta Microbiol Pol** 1981;30(3):247-53
Self-catalysed, O2-independent inactivation of NADPH- or dithionite-reduced microsomal cytochrome P-450 by carbon tetrachloride. de Groot H, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2343-7
Stable isotope fractionation by Clostridium pasteurianum. 4. Sulfur isotope fractionation during enzymatic S3O6(2-), S2O3(2-), and SO3(2-) reductions. Harrison GI, et al. **Can J Microbiol** 1981 Aug;27(8):824-34
The role of microorganisms in transformations of sulphite in spruce forest soil. Lettl A. **Folia Microbiol (Praha)** 1982; 27(2):147-9
A sulphite-oxidase-deficient rat model: metabolic characterization. Gunnison AF, et al. **Food Cosmet Toxicol** 1981 Apr;19(2):209-20
The formation of sulfur trioxide radical anion during the prostaglandin hydroperoxidase-catalyzed oxidation of bisulfite (hydrated sulfur dioxide). Mottley C, et al. **J Biol Chem** 1982 May 10;257(9):5050-5
[Sulfite-reducing Clostridia in raw materials for pharmaceutical use] Barzaghi D, et al. **Boll Chim Farm** 1981 Sep;120(9):528-36 (Eng. Abstr.) **(Ita)**
[Transport of H+ in mitochondria induced by the uptake of sulfite, sulfate and thiosulfate] Stipani I, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1430-6 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Kinetic mechanism of mitochondrial adenosine triphosphatase. Inhibition by azide and activation by sulphite. Vasilyeva EA, et al. **Biochem J** 1982 Jan 15; 202(1):15-23
Nature and histogenesis of sulfite-induced gastric lesions in rats. Beems RB, et al. **Exp Mol Pathol** 1982 Jun; 36(3):316-25
The effect upon aminoacylation of bisulphite addition to 2-methylthio-N6-isopentenyl adenosine of Escherichia coli phenylalanine tRNA. Goddard JP, et al. **FEBS Lett** 1981 Aug 3;130(2):221-2
Induction of Heinz body formation by sodium dithionite. Imanishi H, et al. **Hemoglobin** 1981;5(5):453-61
The effect of bisulfite-induced C to U transitions on aminoacylation of Escherichia coli glycine tRNA. Sabban EL, et al. **J Biol Chem** 1982 May 10;257(9):4796-805

TOXICITY

Neoplastic transformation of Syrian hamster embryo cells by bisulfite is accompanied with a decrease in the number of functioning replicons. Doniger J, et al. **Carcinogenesis** 1982;3(1):27-32
A sulphite-oxidase-deficient rat model: subchronic toxicology. Gunnison AF, et al. **Food Cosmet Toxicol** 1981 Apr;19(2):221-32
Sulphite toxicity: a critical review of in vitro and in vivo data. Gunnison AF. **Food Cosmet Toxicol** 1981 Oct; 19(5):667-82 (107 ref.)

SULFITES, INORGANIC see **SULFITES**

SULFOBROMOPHTHALEIN

ANALYSIS

[Radiochemical composition of bromsulphophthalein--131I and the method of its determination (author's transl)] Pasternak A, et al. **Pol Przegl Radiol** 1981 May-Jun; 45(3):177-9 **(Pol)**

DIAGNOSTIC USE

The discriminant diagnostic power of liver function tests in hepatic cirrhosis. Serra MA, et al. **Acta Med Port** 1981 Jan-Feb;3(1):3-10
Biliary excretion of sulfobromophthalein compounds in normal and mutant Corriedale sheep. Evidence for a disproportionate transport defect for conjugated sulfobromophthalein. Barnhart JL, et al. **Hepatology** 1981 Sep-Oct;1(5):441-7
Plasma clearance of bromsulphalein (BSP) in children with biliary atresia and other hepatobiliary disorders. Bianchi A, et al. **World J Surg** 1982 Mar;6(2):200-9
[Optimal use of the 2-phase bromsulphalein test (BSP)] Kubíček R, et al. **Vnitr Lek** 1981 Mar;27(3):292-8 (Eng. Abstr.) **(Cze)**
[Contribution of sequential scintigraphy with 131I-BSP to the differential diagnosis of jaundice (author's transl)] Tapalaga D, et al. **Nuklearmedizin** 1981 Dec;20(6):294-8 (Eng. Abstr.) **(Ger)**
[Activity of various enzymes, BSP tests and blood serum protein fractions of workers of disinfection, de-insectization and deratization plants] Krzysztof K, et al. **Med Pr** 1980;31(6):459-67 (Eng. Abstr.) **(Pol)**
[Measurement of duodenogastric reflux: standardization of a new technic with I-131 labeled sulfobromophthalein] Pires PW, et al. **Rev Paul Med** 1981 Jan-Mar;97(1-3):21-4 (Eng. Abstr.) **(Por)**
[Measurement of duodenogastric reflux by I131-labelled bromsulphalein: technical aspects and results in gastric ulcer patients] Pires PW, et al. **Rev Paul Med** 1981 Apr-Jun;97(4-6):50-3 (Eng. Abstr.) **(Por)**
[Function tests in the study of liver disease in children] Nemeth A, et al. **Lakartidningen** 1981 Oct 7;78(41):3590-2 (Eng. Abstr.) **(Swe)**

METABOLISM

The influence of cadmium on the biliary excretion of eosine and bromsulphthalein and on microsomal monooxygenase activities in the rat. Jahn F, et al. **Acta Biol Med Ger** 1982; 41(2-3):255-61
Sulfobromophthalein metabolism in isolated perfused rat liver. Factors determining the applicability of the model. Céspedes JM, et al. **Acta Physiol Lat Am** 1979; 29(4-5):207-15
The handling of bilirubin and sulfobromophthalein by the isolated perfused rat liver. Céspedes JM, et al. **Acta Physiol Lat Am** 1979;29(4-5):217-22
Reconstitution in vitro of sulfobromophthalein transport by bilitranslocase. Sottocasa GL, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):123-8
Biliary excretion of sulfobromophthalein in isolated perfused livers from normal and spironolactone-treated rats. Pellegrino JM, et al. **Experientia** 1982 Jan 15;38(1):112-4
Partial isolation and characterization of bromosulphosphthalein-binding protein from rat liver plasma membranes. Tanno M, et al. **Gastroenterol Jpn** 1982 Apr;17(2):135-43
Rates of sulfobromophthalein (BSP) uptake by hepatocytes from fed and fasted rats [letter] Weisiger RA. **Hepatology** 1982 Jul-Aug;2(4):519-20
Impairment of bromosulfophthalein clearance by bile salt administration in normal volunteers and patients with Dubin-Johnson syndrome. Bar-Meir S, et al. **Isr J Med Sci** 1982 Feb;18(2):211-4
Role of ligandin as a binding protein and as an enzyme in the biliary excretion of sulfobromophthalein. Gregus Z, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):242-6
Plasma disappearance and biliary excretion of bromosulfophthalein in styrene-treated and styrene oxide-treated rats. Chakrabarti S, et al. **J Toxicol Environ Health** 1981 Oct;8(4):609-17
Relationship of carbon tetrachloride-induced alterations of ligandin and Z protein to sulfobromophthalein transport in rat liver. Hatta S, et al. **J Toxicol Sci** 1981 Aug; 6(3):177-89
The effect of aging on the hepatic metabolism of sulfo-bromophthalein in BN/Bi female and WAG/Rij male and female rats. Kitani K, et al. **Mech Ageing Dev** 1981 Dec;17(4):381-93
New results on saturation phenomena in BSP metabolism: the role of free and conjugated BSP. Milanese M, et al. **Med Biol Eng Comput** 1981 Nov;19(6):707-16
Effect of dietary protein on hepatic handling of sulfobromophthalein. Rodríguez JV, et al. **Medicina (B Aires)** 1981;41(4):446-52
Effect of ethinyl estradiol and triton WR 1339 on bile formation and sulfobromophthalein transport maximum (BSPTm) in the rat. Hoenig V. **Pharmacol Res Commun** 1981 Nov;13(10):903-8
Diminution of bile flow and of liver uptake and biliary excretion of bromsulphthalein by aldosterone. Afifi F. **Tohoku J Exp Med** 1981 Oct;135(2):139-47

PHARMACODYNAMICS

[Effect of 4, 4'-diaminodiphenylmethane and increased ambient temperature on bromide thaleine elimination in male Wistar rats] Binnewies SM. **Z Gesamte Hyg** 1981; 27(8):578-82 (Eng. Abstr.) **(Ger)**

SULFONAMIDES

[Physico-chemical studies on adsorptive properties of pharmaceutic aids used in pharmaceutical technology. II. Mechanism of adsorption of sulfonamides on Veegum] Hladoń T. **Acta Pol Pharm** 1981;38(2):229-35 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

Nimesulide in the short-term treatment of osteoarthrosis: a pilot study for assessing the minimal effective dose. Reiner M. **J Int Med Res** 1982;10(2):92-8

ADVERSE EFFECTS

The mechanism of transient myopia induced by sulfonamide therapy. Bovino JA, et al. **Am J Ophthalmol** 1982 Jul; 94(1):99-102
Hypercarbia and acidosis associated with carbonic anhydrase inhibition: a hazard of topical mafenide acetate use in renal failure. Liebman PR, et al. **Burns Incl Therm Inj** 1982 Jul; 8(6):395-8
Drugs causing fixed drug eruptions. Shukla SR. **Dermatologica** 1981;163(2):160-3
A familial hemolytic anemia associated with sulfa administration. Dickerman JD. **Hosp Pract** 1981 Sep; 16(9):41, 44, 47
Keratoconjunctivitis sicca associated with sulfonamide therapy in dogs. Morgan RV, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):432-4
The effects of frusemide, bumetanide and piretanide on the quinea pig cochlea and auditory nerve. Comis SD, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:85-94
Thrombocytopenia due to sulfonamide cross-sensitivity. Bretza JA. **Wis Med J** 1982 Jun;81(6):21-3
[Fatal cases after treatment with sulfonamide and nitrofurantoin] Andersson KE, et al. **Lakartidningen** 1982 Feb 10;79(6):402-6 **(Swe)**

ANALYSIS

Potentiometric and atomic absorption spectrometric determination of sulfonamides in pharmaceutic preparations. Hassan SS, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1158-63
Analytical methods for sulfonamides in foods and feeds. II. Performance characteristics of sulfonamide methods. Horwitz W. **J Assoc Off Anal Chem** 1981 Jul;64(4):814-24
Analysis of oral suspensions containing sulfonamides in combination with erythromycin ethylsuccinate. Elrod L Jr, et al. **J Pharm Sci** 1982 Feb;71(2):161-6

BLOOD

Prediction of drug-drug interaction from in vitro plasma protein binding and metabolism. A study of tolbutamide-sulfonamide interaction in rats. Sugita O, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3347-54
Protein binding of piretanide in normal and uraemic serum. Elliott HL, et al. **Eur J Clin Pharmacol** 1982;21(4):311-3

CHEMICAL SYNTHESIS

Acidic epinephrine analogues derived from 1H, 3H-2,1,3-benzothiadiazole 2,2-dioxide and from trifluoromethanesulfonanilide. A new synthesis of 1H,3H-2,1,3-benzothiadiazole 2,2-dioxide. Acheson RM, et al. **J Med Chem** 1981 Nov;24(11):1300-4
[Sulfonamides with central nervous system action. V.] Monzani A, et al. **Farmaco [Sci]** 1982 Mar;37(3):151-8 (Eng. Abstr.) **(Ita)**
[4-chloro-5-sulfamylbenzoic acid derivatives. VII. Synthesis and diuretic properties of various 2,4-diamino- and 2-amino-4-chloro-5-sulfamylbenzamide derivatives] Brzozowski Z, et al. **Acta Pol Pharm** 1981;38(1):11-7 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

High pressure liquid chromatographic determination of sulfisoxazole in pharmaceuticals and separation patterns of other sulfonamides. Roos RW. **J Assoc Off Anal Chem** 1981 Jul;64(4):851-4

METABOLISM

Sulfonamide acetylation in isolated rat liver cells. Olsen H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug; 49(2):102-9
Sulfonamide acetylation in isolated rabbit and rat liver cells. Olsen H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov; 49(5):438-46
Clinical pharmacokinetics of sulphonamides and their N4-acetyl derivatives. Hekster CA, et al. **Antibiot Chemother** 1982;31:22-118 (93 ref.)
Regioselectivity and reactivity in microsomal hydroxylation of a series of N-acyl- and N-sulfonylamines in rats. Shono T, et al. **Drug Metab Dispos** 1981 Sep-Oct;9(5):476-80
Kinetics of a high dose of piretanide in renal failure. Brazier JL, et al. **Eur J Clin Pharmacol** 1982;21(4):307-10
Pharmacokinetics and mechanism of renal excretion of short acting sulphonamides and N4-acetylsulphonamide derivatives in man. Structural requirements of sulphonamides for active tubular secretion. Vree TB, et al. **Eur J Clin Pharmacol** 1981;20(4):283-92
Different behavior of sulfonamides with respect to copper-substituted bovine and human carbonic anhydrases. Bertini I, et al. **J Inorg Biochem** 1982 Apr;16(2):155-60
Effects of phenobarbital on the distribution pharmacokinetics and biological half-lives of model nonmicrosomal enzyme metabolizable sulfonamides in rats. Nagwekar JB, et al. **J Pharm Sci** 1982 Apr;71(4):422-6
Effects of pH on the accumulation of sulfonamides by fish.

Lo IH, et al. **J Pharmacokinet Biopharm** 1981 Aug; 9(4):443–59

Phenytoin intoxication and sulphonamides [letter] Paxton JW. **NZ Med J** 1981 Nov 25;94(696):396–7

Pharmacokinetics of some sulphonamides in buffaloes. Atef M, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):122–30

Ruminal and salivary excretion of some sulphonamides in cows and their effect on rumen flora. Atef M, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):113–21

Pharmacokinetics and protein binding of three sulfonamides in sheep. De Backer P, et al. **Zentralbl Veterinarmed [A]** 1981;28(6):468–74

PHARMACODYNAMICS

Effects of calmodulin-binding drugs on the guinea pig spermatozoon acrosome reaction and the use of these drugs as vaginal contraceptive agents in rabbits. Lenz RW, et al. **Ann NY Acad Sci** 1982;383:85–97

Plasmid-mediated sulfonamide resistance in Haemophilus ducreyi. Albritton WL, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):159–65

In vitro susceptibility of Gardnerella vaginalis and Bacteroides organisms, associated with nonspecific vaginitis, to sulfonamide preparations. Jones BM, et al. **Antimicrob Agents Chemother** 1982 Jun;21(6):870–2

Calmodulin antagonists inhibit Ca2+ uptake of mitochondria of guinea pig peritoneal macrophages. Hirata M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1176–81

Calmodulin antagonists modulate rabbit neutrophil degranulation, aggregation and stimulated oxygen consumption. Alobaidi T, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3–4):316–21

The effect of frusemide and piretanide on the renal clearance of gentamicin in man. Whiting PH, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):795–9

Inhibition by calmodulin antagonists of glioblast DNA synthesis and morphological changes induced by glia maturation factor. Okumura K, et al. **Brain Res** 1982 Apr; 255(4):662–7

Selective action of piretanide on primary afferent GABA responses in the frog spinal cord. Wojtowicz JM, et al. **Brain Res** 1982 Mar 18;236(1):173–81

Antihypertensive and adrenoceptor blocking properties of new sulfonamide-substituted phenylethylamines. Takenaka T, et al. **Clin Exp Hypertens [A]** 1982;4(1–2):125–37

Piretanide and urinary excretion of ions in rat. Effect of indomethacin. Nguyen-Simonnet H, et al. **Clin Exp Pharmacol Physiol** 1981 Jul;8(4):315–25

Potassium balance in piretanide and digoxin treatment. Muller FO, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):339–42

Human plasma vasopressin response to potent loop-diuretic drugs. Baylis PH, et al. **Eur J Clin Pharmacol** 1981; 20(5):343–6

Testosterone-induced, sulfonamide-resistant carbonic anhydrase isozyme of rat liver is indistinguishable from skeletal muscle carbonic anhydrase III. Carter ND, et al. **FEBS Lett** 1981 Jun 1;128(1):114–8

The acute affect of piretanide upon serum and urinary calcium in normal subjects. Casco C, et al. **Henry Ford Hosp Med J** 1980;28(2–3):127–31

Comparison of hemodynamic effects of furosemide and piretanide in normovolemic patients. Valette H, et al. **J Cardiovasc Pharmacol** 1980;2(2):103–11

Molecular and genetic properties of plasmid R485 conferring resistance to sulphonamides. Hochmannová J, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):529–37

Cerebrovasodilatation through selective inhibition of the enzyme carbonic anhydrase. 3. 5-(Arylthio)-, 5-(arylsulfinyl)-, and 5-(arylsulfonyl)thiophene-2-sulfonamides. Barnish IT, et al. **J Med Chem** 1981 Aug;24(8):959–64

Trimethoprim highly resistant, sulphonamide sensitive bacteria [letter] Huovinen P, et al. **Lancet** 1981 Nov 28; 2(8257):1235–6

Activity-structure relationship of calmodulin antagonists, Naphthalenesulfonamide derivatives. Hidaka H, et al. **Mol Pharmacol** 1981 Nov;20(3):571–8

Cytogenetic activities of 3 sulphonamides. Badr A. **Mutat Res** 1982 Apr;104(1–3):95–100

Renal tubular secretion and effects of the alkaline diuretics amiloride, tizolemide (Hoe 740) and 2-aminomethyl-4(1,1-dimethylethyl)-6-iodophenol hydrochloride (MK-447). Odlind B. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):357–63

Open comparison of diuretic effects of piretanide and bumetanide in patients with stable renal transplants. Bailey RR. **NZ Med J** 1982 Jan 27;95(700):4–5

Effects of ten sulfonamide molecules on rat gastric acid secretion. Colombo R, et al. **Pharmacol Res Commun** 1981 May;13(5):525–34

N-(6-aminohexyl)-5-chloro-1-naphthalenesulfonamide, a calmodulin antagonist, inhibits cell proliferation. Hidaka H, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4354–7

Laboratory surveillance of synergy between and resistance to trimethoprim and sulfonamides. O'Brien TF, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):351–7

Mechanisms of resistance to trimethoprim, the sulfonamides, and trimethoprim-sulfamethoxazole. Then RL. **Rev Infect Dis** 1982 Mar-Apr;4(2):261–9 (60 ref.)

Sulfonamide activity against Mycobacterium fortuitum and Mycobacterium chelonei. Wallace RJ Jr, et al. **Rev Infect Dis** 1981 Sep-Oct;3(5):898–904

Mathematical evaluation of the effects of tizolemide, furosemide and placebo in healthy adults. Leary WP, et al. **S Afr Med J** 1982 Mar 13;61(11):398–401

A drug sensitivity test strategy for atypical mycobacteria. Hejný J. **Tubercle** 1982 Mar;63(1):63–9

[Sensitivity study for sulfamides and antibiotics of 260 strains of Neisseria meningitidis isolated in Upper Volta] Saliou P, et al. **Bull Soc Pathol Exot Filiales** 1981 May-Jun; 74(3):263–72 (Eng. Abstr.) **(Fre)**

[In vitro study of the susceptibility of mycobacteria to sulfonamides by the disc and percentage methods (author's transl)] Demoulin L, et al. **Pathol Biol (Paris)** 1982 Apr; 30(4):201–5 (Eng. Abstr.) **(Fre)**

[Antibiotics and chemotherapeutics—from research to practice. III. Remarks to practitioners on sulfamide peculiarities] Pilloud M. **Schweiz Arch Tierheilkd** 1982 May; 124(5):257–66 (30 ref.) (Eng. Abstr.) **(Fre)**

[Synthetic inhibitors of serine proteinases. Part 24: Inhibition of trypsin, plasmin and thrombin by cyclic amides of N alpha-arylsulfonylamidinophenyl-glycines (author's transl)] Stürzebecher J, et al. **Pharmazie** 1981;36(7):501–2 (Eng. Abstr.) **(Ger)**

[Sensitivity of Algerian Salmonella strains to antibiotics and sulfonamides] Bronnikov IuN. **Antibiotiki** 1982 Jan; 27(1):29–32 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Treatment of vasculitis. Winkelmann RK. **Cutis** 1981 Aug; 28(2):151–63

Clinical trial with Nimesulide, a new non-steroid anti-inflammatory agent, in rheumatic pathology. Weissenbach R. **J Int Med Res** 1981;9(5):349–52

Seminar on antibiotics IX. Sulfonamide compounds. Rhoades ER. **J Okla State Med Assoc** 1982 Feb;75(2):33–5

Sulfonamides and trimethoprim [letter] Downey LJ, et al. **Lancet** 1982 Sep 4;2(8297):551

Sulphonamides and trimethoprim. Reeves D. **Lancet** 1982 Aug 14;2(8294):370–3

Combination of trimethoprim with sulfonamides other than sulfamethoxazole. Bernstein LS. **Rev Infect Dis** 1982 Mar-Apr;4(2):411–8 (48 ref.)

Brucella canis infection in dogs: treatment trials. Flores-Castro R, et al. **Rev Latinoam Microbiol** 1981 Apr-Jun;23(2):75–9

Piretanide in the treatment of hypertension. Effects on arterial blood pressure and several blood variables. Leary WP, et al. **S Afr Med J** 1981 Dec 12;60(24):925–8

[Treatment of toxoplasmosis. present knowledge and problems (author's transl)] Russo M, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):877–88 (Eng. Abstr.) **(Ita)**

[Current chemotherapy of mycoplasmosis] D'Antonio A, et al. **Arch Monaldi** 1980 Sep-Dec;35(5–6):281–90 **(Ita)**

[Essential arterial hypertension. A therapeutic proposal] Di Veroli C, et al. **Arch Sci Med (Torino)** 1981 Jul-Sep; 138(3):355–60 (Eng. Abstr.) **(Ita)**

[Urinary tract infections in the involutive age. 2.] Migliori V, et al. **G Clin Med** 1981 Aug;62(8):585–90 (Eng. Abstr.) **(Ita)**

[Piretanide in the therapy of water-sodium retention in hepatic cirrhosis] Scarpioni L, et al. **G Clin Med** 1982 Jan; 63(1):57–76 (Eng. Abstr.) **(Ita)**

TOXICITY

The effect of frusemide, piretanide and bumetanide on cochlear succinic dehydrogenase. Comis SD, et al. **Neuropharmacology** 1981 Apr;20(4):405–7

Synthesis, acute toxicity, and approach of the structure acute toxicity relationship of some pharmacologically interesting N-(dialkylaminoalkyl) 2-methoxy benzenesulfonamides. Fournier JP, et al. **Pharm Acta Helv** 1981;56(11):309–13

SULFONES

ADMINISTRATION & DOSAGE

[Treatment of refractory pyodermas with rifampicin in combination with diucifon] Salekh BS. **Vestn Dermatol Venerol** 1982 Apr;(4):28–32 **(Rus)**

ANALYSIS

ELISA inhibition technique for the demonstration of sulphones in body fluids. Comparison of two ELISA methods. de Wit M, et al. **Lepr Rev** 1981 Sep;52(3):215–20

ELISA inhibition technique for the demonstration of sulphones in body fluids. The use of dried blood on filter paper to monitor leprosy patient compliance. Huikeshoven H, et al. **Lepr Rev** 1981 Sep;52(3):221–8

CHEMICAL SYNTHESIS

Preparation and screening of some new thioacetals, sulfones, and derivatives of 4-dichloromethylbenzoyl and 4-trichloromethylbenzoyl chloride as potential antimalarials. Mørkved EH, et al. **J Pharm Sci** 1982 Jan; 71(1):59–63

[Synthesis and reactivity of arylalkynylsulfones (author's transl)] Labidalle S, et al. **Ann Pharm Fr** 1982 Mar; 39(6):545–56 (Eng. Abstr.) **(Fre)**

[Synthesis and pharmacological studies of some (amino-alkyl) phenylsulfones (author's transl)] Moreau RC, et al. **Ann Pharm Fr** 1981 Jul;39(3):283–90 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Comparative studies on the effects of tolmesoxide (Rx71107), a tolmesoxide metabolite (Rx71112) and nifedipine in isolated blood vessels. Mikkelsen E, et al. **Br J Pharmacol** 1981 Aug;73(4):799–805

Specificity and reactivity of human leukocyte elastase, porcine pancreatic elastase, human granulocyte cathepsin G, and bovine pancreatic chymotrypsin with arylsulfonyl fluorides. Discovery of a new series of potent and specific irreversible elastase inhibitors. Yoshimura T, et al. **J Biol Chem** 1982 May 10;257(9):5077–84

Sulfone resistance and leprosy control [letter] Bergel M. **Nippon Rai Gakkai Zasshi** 1981 Jan-Mar;50(1):51–2

THERAPEUTIC USE

Cell mediated immunity in patients with Virchowian hanseniasis before and after treatment with transfer factor. Leser PG, et al. **Hansenol Int** 1980 Jun;5(1):3–27

[Results of bacilloscopy practiced on 360 leprosy patients, treated for over 5 years by sulfone monotherapy and examined at Bamako (Mali)] Baquillon G, et al. **Acta Leprol (Geneve)** 1981 Oct-Dec;85:25–39 **(Fre)**

[Sulfones. Indications excluding infectious diseases] Samsoen M, et al. **Ann Dermatol Venereol** 1981;108(11):911–20 (99 ref.) **(Fre)**

TOXICITY

[Establishment of the maximum permissible concentration of 4,4-dichlorophenylsulfone in reservoir waters] Pis'ko GT, et al. **Gig Sanit** 1982 Feb;(2):84–5 **(Rus)**

URINE

Haemagglutination inhibition technique for the demonstration of sulphones in urine. Huikeshoven H, et al. **Lepr Rev** 1981 Sep;52(3):229–35

SULFONIC ACIDS

Precipitate formation of some sulfonated tetrazolthiomethyl cephalosporins with basic chemicals. Uri JV, et al. **Experientia** 1982 Jan 15;38(1):86–8

Structure-activity studies on sulfamate sweeteners II: semiquantitative structure-taste relationship for sulfamate (RNHSO-3) sweeteners-the role of R. Spillane WJ, et al. **J Pharm Sci** 1981 Aug;70(8):933–5

ANALYSIS

[Interference of alkali metals in the determination of sulfur in beta-lactam antibiotics and sulfonates] Pietrogrande A, et al. **Farmaco [Prat]** 1982 May;37(5):172–6 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Synthesis and evaluation of the male antifertility properties of a series of N-unsubstituted sulfamates. Hirsch AF, et al. **J Med Chem** 1981 Jul;24(7):901–3

DIAGNOSTIC USE

Spectrophotometric determination of serum uric acid by an enzymatic method with 2,2'-azino-di(3-ethylbenzthiazoline-6-sulfonate) (ABTS). Majkić-Singh N, et al. **Clin Chim Acta** 1981 Oct 8; 116(1):117–23

THERAPEUTIC USE

[Clinical study of a drug containing the chondroitin-sulfonic ferric acid complex in iron-deficiency anemias in the puerperium] Balbi C, et al. **Minerva Ginecol** 1979 Nov; 31(11):821–4 (Eng. Abstr.) **(Ita)**

TOXICITY

Pulmonary adenoma response of strain A mice to sulfonic acid derivatives of 1- and 2-naphthylamines. Theiss JC, et al. **JNCI** 1981 Dec;67(6):1299–302

SULFONIUM COMPOUNDS see under **ONIUM COMPOUNDS**

SULFONYLDIANILINE see **DAPSONE**

SULFONYLUREA COMPOUNDS

Homologous and hybrid calcium complexes of A23187 and hypoglycemic sulfonylureas: nuclear magnetic resonance and conformational analysis. Deleers M, et al. **J Inorg Biochem** 1982 Jun;16(3):215–25

ADMINISTRATION & DOSAGE

The antidiabetic effect and pharmacokinetic properties of glipizide. Comparison of a single dose with divided dose regime. Ostman J, et al. **Acta Med Scand** 1981;210(3):173–80

Oral antidiabetic therapy. Melander A, et al. **Acta Med Scand [Suppl]** 1981;656:55–7

ADVERSE EFFECTS

[Hyponatremia due to glipizide (letter)] Ducobu J, et al. **Therapie** 1981 Sep-Oct;36(5):597–8 **(Fre)**

[Hypoglycemia after treatment with sulfonylurea compounds

- a caution for interactions] **Lakartidningen** 1982 Jan 20; 79(3):124–6 **(Swe)**

[Hypoglycemic coma in treatment with glipizide] Blohmé G, et al. **Lakartidningen** 1982 Mar 17;79(11):1043–4 **(Swe)**

BLOOD

Influence of blood proteins on biomedical analysis. II. Interaction of gliclazide with bovine serum albumin. Kobayashi K, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb; 29(2):573–7

Influence of blood proteins on biomedical analysis. V. Effect of ethyl alcohol on gliclazide–binding with bovine serum albumin. Kobayashi K, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):1077–80

Radioimmunoassay of glipizide in human plasma. Maggi E, et al. **Eur J Clin Pharmacol** 1981;21(3):251–5

Influence of blood proteins on biomedical analysis. III. Pharmacokinetics and protein binding of gliclazide. Kobayashi K, et al. **J Pharmacobiodyn** 1981 Jun;4(6):436–42

Influence of blood proteins on biomedical analysis. IV. Degradation of gliclazide in albumin–removed human serum and its protective effect of albumin. Kobayashi K, et al. **J Pharmacobiodyn** 1981 Nov;4(11):886–92

[Determination of serum gliclazide (hypoglycemic drug) by high performance liquid chromatography, using diaion CDR–10 column.] Kobayashi K, et al. **Rinsho Byori** 1981 Sep;29(9):895–901 **(Jpn)**

METABOLISM

Specific receptors for sulfonylureas in brain and in a beta–cell tumor of the rat. Kaubisch N, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1171–4

Interaction of glipizide and indoprofen. Melander A, et al. **Eur J Rheumatol Inflamm** 1981;4(1):22–5

PHARMACODYNAMICS

Propranolol does not inhibit sulphonylurea–stimulated insulin secretion in patients with non–insulin dependent diabetes mellitus. Groop L, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):410–5

Forearm insulin uptake in healthy subjects after oral glucose and intravenous glipizide. Nygren A, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):407–12

Effects of sulfonylurea on the secretion and disposition of insulin and C–peptide. Almér LO, et al. **Acta Med Scand [Suppl]** 1981;656:11–8

Ionophoretic property of hypoglycemic sulfonylureas: competition between H+ and Ca2+. Deleers M, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep;42(3):297–9

Effects of diet and gliclazide on the haemostatic system of non–insulin–dependent diabetics. Paton RC, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1018–20

Influence of sulfonylureas on the secretion, disposal and effect of insulin. Almér LO, et al. **Eur J Clin Pharmacol** 1982;22(1):27–32

A study of the possible interaction of indoprofen with hypoglycemic sulfonylureas in diabetic patients. Pedrazzi F, et al. **Eur J Rheumatol Inflamm** 1981;4(1):26–31

Effects of alloxan and streptozotocin at high doses on blood glucose levels, glucose tolerance, and responsiveness to sulphonylureas in chickens. Danby R, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):159–69

Comparison of the in vitro effect of biguanides and sulfonylureas on insulin binding of its receptors in target cells. Vigneri R, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):95–100

Factors moderating the effect of oral sulfonylureas on free water clearance. Davis FB, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):97–101

Effects of glipizide on water and electrolyte handling in water–loaded humans. Preuss HG, et al. **Renal Physiol** 1981;4(4):173–9

The inhibition of cancer cell stickiness, a model for investigation of platelet aggregation inhibitors in vivo. Effect of the sulfonyl urea derivatives, glibenclamide, gliclazide, and HB180, as well as the carboxylic acid derivative, meglitinide. Gastpar H, et al. **Res Exp Med (Berl)** 1982;180(1):75–84

[Effects of gliclazide and glibenclamide on platelet function, fibrinolysis and metabolic control in diabetic patients with retinopathy (author's transl)] Chan TK, et al. **Sem Hop Paris** 1982 May 13;58(19):1197–200 (Eng. Abstr.) **(Fre)**

[Effect of sulfonylurea compounds on insulin secretion and growth rate in children with hypothalamo–pituitary dwarfism] Amendt P, et al. **Kinderarztl Prax** 1981 Sep; 49(9):473–9 (Eng. Abstr.) **(Ger)**

[Relationship between hypoglycemic activity and binding ability with bovine serum albumin of sulfonylurea related compounds (author's transl)] Yoshitomi H, et al. **Yakugaku Zasshi** 1981 Oct;101(10):926–31 (Eng. Abstr.) **(Jpn)**

[Effect of long–term therapy with a new sulfonylurea derivative SPC–703 on the endocrine function of the pancreas in adult–onset diabetic patients] Berliński E, et al. **Endokrynol Pol** 1981 Mar–Apr;32(2):117–24 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Glibenclamide and gliquidone in the treatment of non–insulin–dependent diabetes mellitus. Nikkilä K, et al. **Acta Med Scand** 1982;211(1–2):13–7

Lipid metabolism in non–insulin–dependent diabetes mellitus: effect of glipizide therapy. Greenfield MS, et al. **Arch Intern Med** 1982 Aug;142(8):1498–1500

Long–term treatment of sulphonylurea–treated diabetics with the alpha–glucosidase inhibitor Bay g 5421 (acarbose) [letter] Vierhapper H, et al. **Diabetologia** 1981 May; 20(5):586

Clinical pharmacology of sulphonylurea hypoglycaemic agents: part 2. Jackson JE, et al. **Drugs** 1981 Oct; 22(4):295–320 (312 ref.)

Effect of the discontinuation of long–term sulfonylurea treatment on blood glucose and insulin secretion in noninsulin–dependent diabetes mellitus. Sumi S, et al. **Endocrinol Jpn** 1982 Feb;29(1):41–7

Impaired effect of sulfonylurea following increased dosage. Wåhlin–Boll E, et al. **Eur J Clin Pharmacol** 1982;22(1):21–5

Comparison of diurnal serum insulin levels during short term treatments with sulfonylurea and with insulin in non–insulin dependent diabetes. Fukumoto Y, et al. **Horm Metab Res** 1982 Jan;14(1):1–4

The effects of gliclazide in diabetes: a comparison with tolbutamide. Berber MJ, et al. **Ir J Med Sci** 1982 Feb; 151(2):46–9

One minute with diabetes. Delawter DE. **Md State Med J** 1981 Oct;30(10):12

The assessment of diabetic control in insulin–independent patients. Harrower AD, et al. **Scott Med J** 1982 Jan; 27(1):41–3

[Insulin receptors and interference by medication: in vivo and in vitro studies] Canivet B, et al. **Journ Annu Diabetol Hotel Dieu** 1982;:61–70 **(Fre)**

[Insulin plus sulfonyl urea––a(n) (im)possible combination?] Bachmann W. **Dtsch Med Wochenschr** 1982 Feb 5; 107(5):163–5 **(Ger)**

[Sulfonyl urea compounds in diabetes therapy 1981. Arguments for a reasonable use] Berger M, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1443–6 **(Ger)**

[Changes in blood glucose, insulin, cortisol, growth hormone and glucagon induced by sulfonylures] Haupt E, et al. **Med Welt** 1982 Jan 8;33(1):71–7 **(Ger)**

[Clinical trial with a new oral antidiabetic, gliclazid, in general practice (author's transl)] Villiger U. **Praxis** 1982 Apr 20;71(16):699–704 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the hypoglycemic activity of glyoxamide and tolbutamide in normal states and in experimental diabetes] Khaleeva LD, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):46–8 **(Rus)**

[Efficacy of gliclazide in short and long–term therapy of older persons with noninsulin–dependent diabetes] Djurić DS, et al. **Srp Arh Celok Lek** 1982 Nov;109(11):1503–9 (Eng. Abstr.) **(Sec)**

SULFOXIDES

ADMINISTRATION & DOSAGE

[Dimethylsulfoxide as a vehicle for vasoactive drugs in the treatment of systemic scleroderma] Balabanova RM, et al. **Ter Arkh** 1982;54(2):118–21 (Eng. Abstr.) **(Rus)**

METABOLISM

Sulfoxidation of thioether–containing pesticides by the flavin–adenine dinucleotide– dependent monooxygenase of pig liver microsomes. Hajjar NP, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):745–52

The effect of food on the pharmacokinetics and pharmacodynamics of tolmesoxide in essential hypertensives. Elliott HL, et al. **Eur J Clin Pharmacol** 1982; 21(4):287–91

Pharmacokinetics of cimetidine and its sulphoxide metabolite during haemodialysis. Larsson R, et al. **Eur J Clin Pharmacol** 1982;21(4):325–30

Further studies of sulfoxide–reducing enzyme system. Kitamura S, et al. **J Pharmacobiodyn** 1981 Jul;4(7):528–33

PHARMACODYNAMICS

Cardiovascular effects of intravenous tolmesoxide in hypertensive patients. Scheen A, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):322–34

Comparative studies on the effects of tolmesoxide (Rx71107), a tolmesoxide metabolite (Rx71112) and nifedipine in isolated blood vessels. Mikkelsen E, et al. **Br J Pharmacol** 1981 Aug;73(4):799–805

Clinical pharmacology of tolmesoxide in refractory heart failure. O'Boyle CP, et al. **Eur J Clin Pharmacol** 1981; 21(3):169–72

THERAPEUTIC USE

Haemodynamic changes in heart failure induced by a new vasodilator tolmesoxide. Lauwers P, et al. **Eur J Clin Pharmacol** 1982;21(6):473–7

SULFOXYPHENYLPYRAZOLIDIN see **SULFINPYRAZONE**

SULFUR

S(IV) chemistry in smelter produced particulate matter. Eatough DJ, et al. **Am J Industr Med** 1980;1(3–4):435–48 (28 ref.)

Oxidation–reduction potentials of molybdenum, flavin, and iron–sulfur centers in milk xanthine oxidase: variation with pH. Barber MJ, et al. **Biochemistry** 1982 Mar 30; 21(7):1638–47

Magnetic interactions in milk xanthine oxidase. Barber MJ, et al. **Biochemistry** 1982 Mar 30;21(7):1648–56

Tetrahedral copper–sulphur coordination in yeast Cu–thionein. An EXAFS study. Bordas J, et al. **FEBS Lett** 1982 Apr 5;140(1):19–21

Evidence for the inorganic nature of the cyanolyzable sulfur of molybdenum hydroxylases. Wahl RC, et al. **J Biol Chem** 1982 Feb 10;257(3):1354–9

ADMINISTRATION & DOSAGE

[Clinical experiences with inhalatory crenotherapy with sulfur salts] Ricci G. **Minerva Med** 1982 May 26; 73(22):1555–62 **(Ita)**

ADVERSE EFFECTS

Contact allergy to sulfonated castor oil. Fisher LB, et al. **Contact Dermatitis** 1981 Nov;7(6):339–40

ANALYSIS

Determination of acid–labile sulfide and zero–valence sulfur in subchloroplast particles in the presence of sodium dodecyl sulfate. Sakurai H, et al. **Anal Biochem** 1982 Jan 15;119(2):372–7

Volatile sulfur compounds responsible for an offensive odor of the flat–head, Calliurichthys doryssus. Shiomi K, et al. **Comp Biochem Physiol [B]** 1982;71B(1):29–31

Investigation of sulfur–containing components in roasted coffee. Tressl R, et al. **J Agric Food Chem** 1981 Sep–Oct; 29(5):1078–82

[Fractionated sulfur determination in plant samples for indication of air pollution] Nyomárkay KM, et al. **Acta Pharm Hung** 1981 Jul;51(4):177–80 (Eng. Abstr.) **(Hun)**

[Interference of alkali metals in the determination of sulfur in beta–lactam antibiotics and sulfonates] Pietrogrande A, et al. **Farmaco [Prat]** 1982 May;37(5):172–6 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Localization of gastrointestinal bleeding: superiority of 99mTc sulfur colloid compared with angiography. Alavi A, et al. **AJR** 1981 Oct;137(4):741–8

Hepatoblastoma: technetium sulfur colloid uptake simulating focal nodular hyperplasia. Diament MJ, et al. **AJR** 1982 Jul;139(1):168–71

Pitfalls in scintigraphic localization of gastrointestinal hemorrhage. Glanz S, et al. **AJR** 1982 Apr;138(4):768–70

The intraperitoneal use of Technetium Sulphur Colloid. Bolitho LE, et al. **Australas Radiol** 1981 Jul;25(2):159–61

Disparate images in acute hepatitis using E–HIDA and sulfur colloid. Coel MN, et al. **Clin Nucl Med** 1982 Jul;7(7):315–7

Focal uptake of sulfur colloid in an area of atelectasis [letter] Greenberg A. **Clin Nucl Med** 1982 May;7(5):244

Gastrointestinal bleeding: an accessory spleen causing a false–positive Tc–99m–sulfur colloid study. Heyman S, et al. **Clin Nucl Med** 1982 Jan;7(1):38–40

Complementary role of reticuloendothelial and hepatobiliary imaging agents in the assessment of liver disease. Kim EE, et al. **Clin Nucl Med** 1982 Feb;7(2):64–6

Clarification of a false liver lesion. Lee JY. **Clin Nucl Med** 1982 Apr;7(4):171

Liver scans in evaluation of lesions of the diaphragm. Levinson ED, et al. **Clin Nucl Med** 1981 Nov;6(11):525–7

Splenosis: first scintigraphic demonstration of extensive splenic implants. Moinuddin M. **Clin Nucl Med** 1982 Feb; 7(2):67–8

Perisplenic halo on Tc–99m sulfur colloid scintigraphy: a sign of mild ascites. Shih WJ, et al. **Clin Nucl Med** 1982 Apr;7(4):187–9

Radiocolloid studies of the regression of intrasplenic lesions. Spencer RP, et al. **Clin Nucl Med** 1982 Jul;7(7):311–4

Relative decreased splenic uptake of Tc–99m–sulfur colloid in patients with pancreatic carcinoma. Tatum JL, et al. **Clin Nucl Med** 1982 Jan;7(1):1–4

Scintigraphic detection of pulmonary hemorrhage using Tc–99m–sulfur colloid. Winzelberg GG, et al. **Clin Nucl Med** 1981 Nov;6(11):537–40

Discordant 99mTc sulfur colloid and 67Ga–citrate scintigrams in Aspergillus splenic abscesses. Shih WJ, et al. **Eur J Nucl Med** 1982;7(6):272–4

An evaluation of the mediastinal lymphoscintigram for carcinoma of the esophagus studied with 99mTc rhenium sulfur colloid. Terui S, et al. **Eur J Nucl Med** 1982; 7(3):99–101

Unusual splenic image in massive bleeding after capsular tear. Baldwin RD, et al. **Int J Nucl Med Biol** 1982;9(2):143–4

'Railroad ties' noted on radiocolloid anterior hepatic dynamic study. Turner JW, et al. **Int J Nucl Med Biol** 1981; 8(2–3):213

Renal transplant uptake of technetium–99m sulfur colloid in various time periods after transplantation. Peterdy AE, et al. **J Can Assoc Radiol** 1981 Sep;32(3):144–8

Scintigraphic detection of intrapulmonary bleeding using technetium-99m sulfur colloid: concise communication. Barry J, et al. **J Nucl Med** 1981 Sep;22(9):777–80

Tc-99m sulfur colloid scanning in blunt trauma: detection of abdominal bleeding. Bronfman HJ, et al. **J Nucl Med** 1981 Nov;22(11):978–80

Failure to detect extramedullary hematopoiesis during bone-marrow imaging with indium-111 or technetium-99m sulfur colloid. Harnsberger HR, et al. **J Nucl Med** 1982 Jul;23(7):589–91

Post-traumatic pulmonary accumulation of Tc-99m sulfur colloid. Johnson RA, et al. **J Nucl Med** 1982 Feb; 23(2):147–8

Gastroesophageal scintiscanning in children. Piepsz A, et al. **J Nucl Med** 1982 Jul;23(7):631–2

Tc-99m sulfur colloid scintigraphy of multiple liver-cell adenomas [letter] Shih WJ, et al. **J Nucl Med** 1981 Sep; 22(9):835–6

Simultaneous markers for fluid and solid gastric emptying: new variations on an old theme: concise communication. Wright RA, et al. **J Nucl Med** 1981 Sep;22(9):772–6

Esophageal scintigraphy (milk scans) in infants and children with gastroesophageal reflux. Heyman S. **Radiology** 1982 Sep;144(4):891–3

Scintigraphic localization of pulmonary bleeding using technetium Tc 99m sulfur colloid: a preliminary report. Winzelberg GG, et al. **Radiology** 1982 Jun;143(3):757–62

Studies of GI bleeding with scintigraphy and the influence of vasopressin. Alavi A, et al. **Semin Nucl Med** 1981 Jul; 11(3):216–23

Detection of gastrointestinal bleeding with 99mTc-sulfur colloid. Alavi A. **Semin Nucl Med** 1982 Apr;12(2):126–38

Current status of radiocolloid hepatic scintiphotography for space-occupying disease. Drum DE. **Semin Nucl Med** 1982 Jan;12(1):64–74

Anatomic and functional asplenia--absence of the splenic image during 99mTc-sulfur colloid scintigraphy. Graves DS, et al. **Semin Nucl Med** 1982 Jan;12(1):95–6

Nonvisualization of the femoral head in 99mTc-sulfur colloid medullary osteoscintigraphy. Lecklitner ML, et al. **Semin Nucl Med** 1981 Oct;11(4):322–4

Technetium sulfur colloid scintigraphy in the detection of lower gastrointestinal tract bleeding. Simpson AJ, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):33–6

[Optimization of a producing method for technetium-99m-sulphur colloid without any stabilizing admixture (author's transl)] Penzel E, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):61–4 (Eng. Abstr.) **(Ger)**

[Clinical use of 99mTc-rhenium sulfide colloid for lymphoscintigraphy (author's transl)] Itoh K, et al. **Kaku Igaku** 1981 Nov;18(9):1359–65 **(Jpn)**

[Evaluation of the edge defect in radiocolloid hepatoscintigrams by means of repeated studies with 99mTc-HIDA] Koroliuk IP, et al. **Med Radiol (Mosk)** 1982 Apr;27(4):30–2 **(Rus)**

METABOLISM

Characterization of volatile sulphur production by pathogenic and non-pathogenic strains of oral Bacteroides. Tonzetich J, et al. **Arch Oral Biol** 1981;26(12):963–9

Effects of therapeutic ultrasound on clearance rate of blood borne colloidal particles in vivo. Saad AH, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):204–5

The 'hot spleen' phenomenon in metastatic malignant melanoma: its incidence and relationship with the immune system. Wagstaff J, et al. **Cancer** 1982 Feb 1;49(3):439–44

Imaging of irradiated liver with Tc-99m-sulfur colloid and Tc-99m-IDA. Gelfand MJ, et al. **Clin Nucl Med** 1981 Sep; 6(9):399–402

Organic sulphur sources for the growth of the dermatophyte Microsporum gypseum. Kunert J. **Folia Microbiol (Praha)** 1981;26(3):201–6

Inorganic sulphur sources for the growth of the dermatophyte Microsporum gypseum. Kunert J. **Folia Microbiol (Praha)** 1981;26(3):196–200

Sulfur requirement of a diauxotrophic mutant of yeast Torulopsis bovina. Rao SP, et al. **Indian J Exp Biol** 1981 Nov;19(11):1081–2

35s incorporation in rats in relation to deprivation of copper and zinc in the diet. Denko CW, et al. **Int J Tissue React** 1981 Dec;3(3–4):121–5

Interconversions of [3Fe-3S] and [4Fe-4S] clusters. Mössbauer and electron paramagnetic resonance studies of Desulfovibrio gigas ferredoxin II. Moura JJ, et al. **J Biol Chem** 1982 Jun 10;257(11):6259–67

Role of the thiazolyl sulphur of ambilhar as an electron donor in metal chelation. Abdel Aziz FT, et al. **J Clin Chem Clin Biochem** 1981 Oct;19(10):1081–3

Maternal-fetal relationships of copper, manganese, and sulfur in ruminants. A review. Hidiroglou M, et al. **J Dairy Sci** 1981 Aug;64(8):1637–47 (32 ref.)

Involvement of the intestinal microflora in the formation of sulphur-containing metabolites of caffeine. Rafter JJ, et al. **Xenobiotica** 1981 Nov;11(11):771–8

[Biodistribution of Tc-99m-rhenium colloid in rats: a comparison with Tc-99m-sulfur colloid (author's transl)] Nakajima K, et al. **Kaku Igaku** 1981 Aug;18(7):967–71 **(Jpn)**

[Extracellular protease biosynthesis in Aspergillus candidus in the absence of carbon or sulfur sources] Al'Nuri MA, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):1019–24 (Eng. Abstr.) **(Rus)**

[Microbial desulfuration of coal. I. Isolation and identification of iron- and sulfur-oxidizing bacteria] Ruiz-Alares MC, et al. **Microbiol Esp** 1979–1980;32–33:65–74 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of some sulphur compounds on soil microflora of spruce rhizosphere. Lettl A. **Folia Microbiol (Praha)** 1981; 26(3):243–52

POISONING

Early evaluation of potential worker exposure problems associated with the Claus-type sulfur recovery process. Amarnani SH, et al. **Am Ind Hyg Assoc J** 1982 Jan; 43(1):49–53

An outbreak of sulphur poisoning in horses. Corke MJ. **Vet Rec** 1981 Sep 12;109(11):212–3

STANDARDS

Determination of radiochemical purity and pharmacokinetic parameters of 99mTc-sulphur colloid and 99mTc-tin colloid. Jovanović V, et al. **Nuklearmedizin** 1981 Dec; 20(6):279–82

THERAPEUTIC USE

The treatment of plane warts [letter] Thomas JR 3d, et al. **Arch Dermatol** 1982 Sep;118(9):626

[Potentiation of the protective action of sulfur-containing radioprotectors] Vladimirov VG, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):836–40 (Eng. Abstr.) **(Rus)**

URINE

Determination of thio compounds in urine of workers exposed to carbon disulfide. van Doorn R, et al. **Arch Environ Health** 1981 Nov-Dec;36(6):289–97

Nitrogen and sulphur elimination in 24 hours urine by elderly Indians. Pathak JD, et al. **Indian J Physiol Pharmacol** 1981 Jan-Mar;25(1):41–7

Urinary sulfur containing metabolites after administration of ethanol, acetaldehyde and formaldehyde to rats. Hemminki K. **Toxicol Lett** 1982 Apr;11(1–2):1–6

SULFUR AMINO ACIDS see **AMINO ACIDS, SULFUR**

SULFUR DIOXIDE

Exercise increases sulfur dioxide-induced bronchoconstriction in asthmatic subjects [letter] Orehek J. **Am Rev Respir Dis** 1981 Oct;124(4):512–3

[Relationship of anthropogenic to natural global sulfur emission] Möller D. **Z Gesamte Hyg** 1982;28(1):11–5 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Effects of sulfur dioxide on airway function [letter] Schachter EN. **Am Rev Respir Dis** 1982 Jan;125(1):125–6

Inhibition of sulfur dioxide-induced bronchoconstriction by disodium cromoglycate in asthmatic subjects. Sheppard D, et al. **Am Rev Respir Dis** 1981 Sep;124(3):257–9

Bronchial hyperreactivity to sulfur dioxide: physiologic and political implications. Boushey HA. **J Allergy Clin Immunol** 1982 Apr;69(4):335–8

Sulfur emissions [letter] Oppenheimer M. **Science** 1982 Aug 13;217(4560):586

Asthma, sulfur dioxide and the clean air act. **West J Med** 1982 Feb;136(2):129–35

ANALYSIS

The University of Akron study on air pollution and human health effects I. Methodology, baseline data, and aerometrics. Mostardi RA, et al. **Arch Environ Health** 1981 Sep-Oct;36(5):243–9

Respiratory illness in British schoolchildren and atmospheric smoke and sulphur dioxide 1973–7. I: cross-sectional findings. Melia RJ, et al. **J Epidemiol Community Health** 1981 Sep;35(3):161–7

Respiratory illness in British schoolchildren and atmospheric smoke and sulphur dioxide 1973–7. II: longitudinal findings. Melia RJ, et al. **J Epidemiol Community Health** 1981 Sep; 35(3):168–73

On the validity of the acidimetric method for sulfur dioxide survey networks. Derouane A, et al. **Sci Total Environ** 1982 Feb;22(3):275–83

Air quality in selected urban areas 1977–1978. WHO Collaborating Centre on Environmental Pollution Control, United States Environmental Protection Agency, Washington, DC, USA. **WHO Offset Publ** 1980;(57):1–71

[Relation between emission density and environmental impact as exemplified by SO2 and sedimentation dust in heavily populated centers] Bredel H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):237–41 (Eng. Abstr.) **(Ger)**

[Stability of reagents in the pararosaniline method (SO2 emission measurements)] Herrmann G. **Z Gesamte Hyg** 1982;28(1):30–2 (Eng. Abstr.) **(Ger)**

[Further results of air hygiene-meteorological studies for improving the accuracy of emission measurements] Lässig V. **Z Gesamte Hyg** 1982 Apr;28(4):231–6 **(Ger)**

[Use of hard-film sorbents in determining sulfur dioxide in the air] Gil'denskiol'd RS, et al. **Gig Sanit** 1981 Oct; (10):66–7 **(Rus)**

[Photometric determination of sulfurous anhydride in the air] Iarym-Agaeva NT, et al. **Gig Tr Prof Zabol** 1982 Apr; (4):56–7 **(Rus)**

[Sulphur dioxide and sulphates in the air in the Zagreb suburban districts, Remetinec and Samobor] Gentilizza M, et al. **Arh Hig Rada Toksikol** 1981;32(3):261–73 (Eng. Abstr.) **(Scr)**

[Determination of sulfur dioxide using the acidimetric method in the presence of ammonia] Sišović A, et al. **Arh Hig Rada Toksikol** 1982;33(1):17–26 **(Scr)**

[Abiotic pollution in the city of Cartagena. 1977–1978] Alonso Carrión P, et al. **Rev Sanid Hig Publica (Madr)** 1979 Mar-Apr;53(3–4):331–84 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Mechanisms of sulphur dioxide induced bronchoconstriction in normal and asthmatic man. Snashall PD, et al. **Thorax** 1982 Feb;37(2):118–23

IMMUNOLOGY

Bronchoconstrictor responses to sulfur dioxide or sulfur dioxide plus sodium chloride droplets in allergic, nonasthmatic adolescent. Koenig JQ, et al. **J Allergy Clin Immunol** 1982 Apr;69(4):339–44

PHARMACODYNAMICS

Human exposure to sulfur dioxide and ozone in a high temperature-humidity environment. Bedi JF, et al. **Am Ind Hyg Assoc J** 1982 Jan;43(1):26–30

Sulfur dioxide induced airway hyperreactivity in allergic sheep. Abraham WM, et al. **Am J Industr Med** 1980; 1(3–4):383–90

Effect of the oronasal breathing route on sulfur dioxide-induced bronchoconstriction in exercising asthmatic subjects. Kirkpatrick MB, et al. **Am Rev Respir Dis** 1982 Jun;125(6):627–31

Exercise increases sulfur dioxide-induced bronchoconstriction in asthmatic subjects [letter] Wilson N. **Am Rev Respir Dis** 1982 Mar;125(3):371–2

Effects of inhaled sulfur dioxide (SO2) on pulmonary function in healthy adolescents: exposure to SO2 alone or SO2 + sodium chloride droplet aerosol during rest and exercise. Koenig JQ, et al. **Arch Environ Health** 1982 Jan-Feb;37(1):5–9

Differences in airway reactivity in normal and allergic sheep after exposure to sulfur dioxide. Abraham WM, et al. **J Appl Physiol** 1981 Dec;51(6):1651–6

An improvement to the use of sulfur dioxide to induce cough in experimental animals. Karttunen P, et al. **J Pharmacol Methods** 1982 May;7(3):181–4

The effect of contact lenses on ocular responses to sulphur dioxide. Coe JE, et al. **J Soc Occup Med** 1982 Apr; 32(2):92–4

In vivo sampling and biochemistry of tracheobronchial secretions in the fowl. Influence of sulfurdioxide inhalation. Bauer E. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):547–50

Effects of pulmonary stretch receptor blockade on laryngeal responses to hypercapnia and hypoxia. Bartlett D Jr, et al. **Respir Physiol** 1981 Jul;45(1):67–77

[Membrane-bound sialoglycoproteins of the rat liver as affected by the combined action of benz(a)pyrene and sulfur dioxide] Merkur'eva RV, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):791–4 (Eng. Abstr.) **(Rus)**

POISONING

The respiratory health of school children in smelter communities. Dodge R. **Am J Industr Med** 1980; 1(3–4):359–64

Sulphur dioxide and bronchitis. Rosenhall L, et al. **Eur J Respir Dis [Suppl]** 1982;118:91–4

[A case of acute SO2 intoxication associated with interstitial emphysema (author's transl)] Kitada O, et al. **Nippon Naika Gakkai Zasshi** 1982 Jan 10;71(1):83–9 **(Jpn)**

[Emission of industrial and community gases and dusts and the incidence of malignant neoplasms of the trachea, bronchi and lungs in the autochtonous population of Zabrze in the years 1965–1975 given the character of industrialization] Zemla B, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):561–4 (Eng. Abstr.) **(Pol)**

[The course and the effects of the group professional intoxication with sulfur dioxide (author's transl)] Musiałowicz-Kralkowska E, et al. **Przegl Lek** 1981; 38(8):609–11 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Preparation & cytochemical properties of Schiff-type dye-SO2 reagents: role of UV rays. Dutt MK. **Indian J Exp Biol** 1981 Jul;19(7):617–20

TOXICITY

SO2-particulate interactions: recent observations. Frank R. **Am J Industr Med** 1980;1(3–4):427–34 (14 ref.)

Effects of SO2 plus NaCl aerosol combined with moderate exercise on pulmonary function in asthmatic adolescents. Koenig JQ, et al. **Environ Res** 1981 Aug;25(2):340–8

Regional effects of sulfur dioxide exposure on the guinea

pig brain lipids, lipid peroxidation and lipase activity. Haider SS, et al. **Neurotoxicology (Park Forest II)** 1981 Nov;2(3):443–50

Human response to controlled levels of combinations of sulfur dioxide and inert dust. Andersen I, et al. **Scand J Work Environ Health** 1981 Mar;7(1):1–7

[Role of sulfur dioxide and its derivatives in the pollution of man's natural environment] Gabryś K, et al. **Postepy Hig Med Dosw** 1980 Sep–Oct;34(5):367–83 (61 ref.) (Eng. Abstr.) **(Pol)**

[Experimental data on the mutagenic action of toluene, isopropanol and sulfur dioxide] Aristov VN, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):33–6 (Eng. Abstr.) **(Rus)**

SULFUR HEXAFLUORIDE see under **FLUORIDES**

SULFUR OXIDES

ADVERSE EFFECTS

Assessment of the health effects of atmospheric sulfur oxides and particulate matter: evidence from observational studies. Ware JH, et al. **Environ Health Perspect** 1981 Oct; 41:255–76

METABOLISM

The formation of sulfur trioxide radical anion during the prostaglandin hydroperoxidase–catalyzed oxidation of bisulfite (hydrated sulfur dioxide). Mottley C, et al. **J Biol Chem** 1982 May 10;257(9):5050–5

SULFUR RADIOISOTOPES

Thermal effect of photolysis in 203Hg, 35S and 131I labeled mercury (II) iodide thiocyanate powders. Takei K, et al. **Radioisotopes** 1982 Jan;31(1):6–10

ADVERSE EFFECTS

Cytotoxic effects of low levels of 3H–, 14C–, and 35S–labeled amino acids. Minor RR. **J Biol Chem** 1982 Sep 10; 257(17):10400–13

ANALYSIS

A method for the measurement of sulfur–34 abundance in bound cysteine and methionine. White RH. **Anal Biochem** 1981 Jul 1;114(2):349–54

DIAGNOSTIC USE

Preparation of 35S–labeled ribonucleic acid and deoxyribonucleic acid and their use for the assay of nucleolytic enzymes (nucleosides and nucleotides. XXXIX. Miura K, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar; 30(3):1069–72

METABOLISM

Distribution of 35S in mice after oral administration of alpha–dithioacetamidinium chloride. An autoradiographic investigation. Dencker L, et al. **Acta Radiol [Oncol]** 1981; 20(4):273–7

The biological fate of sulphur colloid. Frier M, et al. **Eur J Nucl Med** 1981;6(8):371–4

SULFURIC ACID ESTERS see under **SULFURIC ACIDS**

SULFURIC ACIDS

Formation of macromolecular complexes and other effects of DNA treatment with diethyl and dimethyl sulfate: physico–chemical and electron microscopic studies. Kubinski H, et al. **Carcinogenesis** 1981;2(10):981–90

An organic phosphorus assay which avoids the use of hazardous perchloric acid. Anderson RL, et al. **Clin Chim Acta** 1982 May 6;121(1):111–6

ADMINISTRATION & DOSAGE

Effects of large (0.9 micrometers) sulfuric acid aerosols on human pulmonary function. Horvath SM, et al. **Environ Res** 1982 Jun;28(1):123–30

IMMUNOLOGY

[Experimental effect of dimethyl sulfate on the immune system and on aging processes] Molodkina NN, et al. **Gig Sanit** 1981 Jul;(7):16–7 **(Rus)**

METABOLISM

Formation of reactive metabolites of 14C–naphthalene in isolated rat hepatocytes and the effect of decreased glucuronidation and sulfation. Hesse S, et al. **Adv Exp Med Biol** 1981;136 Pt A:739–44

Modeling the dose distribution of H2SO4 aerosols in the human tracheobronchial tree. Martonen TB, et al. **Am Ind Hyg Assoc J** 1981 Jun;42(6):453–60

The chemical neutralization of inhaled sulfuric acid aerosol. Larson T, et al. **Am J Industr Med** 1980;1(3–4):449–52

Measurements of respiratory ammonia and the chemical neutralization of inhaled sulfuric acid aerosol in anesthetized dogs. Larson TV, et al. **Am Rev Respir Dis** 1982 May;125(5):502–6

Studies in vitro on the involvement of O–sulphate esters in the formation of O–methylated 3,4–dihydroxybenzoic acid by rat liver. Pennings EJ, et al. **Biochem J** 1981 Mar 1; 193(3):869–74

Aryl sulfate formation in sea urchins (Strongylocentrotus droebachiensis) ingesting marine algae (Fucus distichus) containing 2,6–dimethylnaphthalene. Malins DC, et al. **Environ Res** 1982 Apr;27(2):290–7

Rat pro–opiomelanocortin contains sulfate. Hoshina H, et al. **Science** 1982 Jul 2;217(4554):63–4

PHARMACODYNAMICS

Effects of sulfuric acid aerosol inhalations. Lippmann M, et al. **Am J Industr Med** 1980;1(3–4):375–81

The influence of various chemicals on the surface structure and the antigenicity of syngeneic glioma cells. Zänker KS, et al. **Anticancer Res** 1981;1(2):101–7

Effects of submicronic sulfuric acid aerosol on human pulmonary function. Horstman D, et al. **Arch Environ Health** 1982 May–Jun;37(3):136–41

Inhibition of DNA–directed beta–galactosidase synthesis in a cell–free system by dimethyl sulfate and N–methyl–N–nitrosourea. Chen BP. **Carcinogenesis** 1980 May;1(5):367–74

The induction of SCE and chromosomal aberrations with relation to specific base methylation of DNA in Chinese hamster cells by N–methyl–N–nitrosourea and dimethyl sulphate. Connell JR, et al. **Carcinogenesis** 1982;3(4):385–90

Preferential induction of cell–mediated immunity by chemically modified carcinoembryonic antigen. Staab HJ, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):78–85

Effects of sulfuric acid and nitrogen dioxide on airway responsiveness of the guinea pig. Silbaugh SA, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):31–45

Comparison between sensitivity of a viscometric method and sensitivity of the alkaline elution assay for the determination of DNA damage induced by dimethylsulfate in vitro. Parodi S, et al. **Toxicol Lett** 1982 Mar;10(4):351–8

[Observation on the coagulative and disinfectant effects of SM–92 coagulant for drinking water (author's transl)] Chi QY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):328–9 **(Chi)**

[Experimental study of aniline, lead nitrate and sodium alkylsulfate as modifiers of chemical blastomogenesis] Litvinov NN, et al. **Vopr Onkol** 1982;28(7):56–9 **(Rus)**

POISONING

Malicious mutilation of a horse with sulfuric acid. Edwards WC, et al. **VM SAC** 1982 Jan;77(1):90–2

THERAPEUTIC USE

[Treatment of the early homeostatic disorders by using cytochrome C, a sodium persulfate preparation and contrical in tourniquet shock] Levandovskii IV, et al. **Anesteziol Reanimatol** 1981 May–Jun;(3):60–3 (Eng. Abstr.) **(Rus)**

TOXICITY

Methylation of chromosomal DNA by two alkylating agents differing in carcinogenic potential. Berkowitz EM, et al. **Cancer Lett** 1981 May;12(4):311–21

Effects of sulfuric acid aerosol on pulmonary function in human subjects: an environmental chamber study. Kerr HD, et al. **Environ Res** 1981 Oct;26(1):42–50

Effects of suifuric acid aerosols on pulmonary function of guinea pigs. Silbaugh SA, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):339–52

A method for repeated evaluation of pulmonary performance in unanesthetized, unrestrained guinea pigs and its application to detect effects of sulfuric acid mist inhalation. Wong KL, et al. **Toxicol Appl Pharmacol** 1982 Mar 30; 63(1):72–90

URINE

Identification of sulfates in antipyrine metabolism in man, rat, and rabbit. Böttcher J, et al. **Drug Metab Dispos** 1982 Jan–Feb;10(1):90–1

SULFURTRANSFERASES

Similar structures in gamma–carboxymuconolactone decarboxylase and beta–ketoadipate succinyl coenzyme A transferase. Yeh WK, et al. **J Bacteriol** 1982 Jan; 149(1):374–7

Phenolsulphotransferase [editorial] **Lancet** 1982 Feb 27; 1(8270):490

ANALYSIS

Rat phenol sulfotransferase. Assay procedure, developmental changes, and glucocorticoid regulation. **Maus TP**, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):849–56

Similar structures in gamma–carboxymuconolactone decarboxylase and beta–ketoadipate succinyl coenzyme A transferase. Yeh WK, et al. **J Bacteriol** 1982 Jan; 149(1):374–7

An examination of the expected degree of sequence similarity that might arise in proteins that have converged to similar conformational states. The impact of such expectations on the search for homology between the structurally similar domains of rhodanese. Keim P, et al. **J Mol Biol** 1981 Sep 5;151(1):179–97

ANTAGONISTS & INHIBITORS

Multiple forms of phenolsulphotransferase in human tissues: selective inhibition by dichloronitrophenol. Rein G, et al. **Biochem Pharmacol** 1982 May 15;31(10):1893–7

Modification and inactivation of CoA transferase by 2–nitro–5–(thiocyanato)benzoate. Kindman LA, et al. **Biochemistry** 1981 Sep 1;20(18):5183–7

The specificity of active–site alkylation by iodoacetic acid in the enzyme thiosulfate sulfurtransferase. Horowitz P, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):173–7

BIOSYNTHESIS

Induction of estrogen sulfotransferase in the human endometrium by progesterone in organ culture. Clarke CL, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):70–5

BLOOD

alpha–Methyldopa, alpha–methyldopamine an alpha–methylnoradrenaline: substrates for the thermolabile form of human platelet phenol sulphotransferase. Mwaluko G, et al. **Br J Clin Pharmacol** 1982 Aug;14(2):231–9

Human platelet phenolsulphotransferase: separate control of the two forms and activity range in depressive illness. Carter SM, et al. **Clin Chim Acta** 1981 Dec 24;117(3):333–44

Rhodanese and 3–mercaptopyruvate sulphurtransferase activities in human red blood cells of different age groups. Włodek L. **Folia Biol (Krakow)** 1981;29(3–4):279–86

Acetaminophen and phenol: substrates for both a thermostable and a thermolabile form of human platelet phenol sulfotransferase. Reiter C, et al. **J Pharmacol Exp Ther** 1982 Apr;221(1):43–51

DEFICIENCY

Thiosulphate–sulphur transferase (rhodanese) deficiency in Leber's hereditary optic atrophy [letter] Cagianut B, et al. **Lancet** 1981 Oct 31;2(8253):981–2

Platelet phenolsulphotransferase deficiency in dietary migraine. Littlewood J, et al. **Lancet** 1982 May 1; 1(8279):983–6

ISOLATION & PURIFICATION

Aryl sulfotransferase IV from rat liver. Sekura RD, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):352–9

Partial purification and characterization of two isoenzymes involved in the sulfurylation of catecholamines. Romain Y, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):999–1005

Submitochondrial localization and partial purification of the succinylCoA: 3–hydroxy–3–methylglutarate coenzyme A transferase from rat liver. Deana R, et al. **Biochim Biophys Acta** 1981 Nov 13;662(1):119–24

Kidney rhodanese from the guinea pig (Lepus caniculus) and albino rat (Mus musculus). Anosike EO, et al. **Enzyme** 1982; 27(1):33–9

Glutaconate CoA–transferase from Acidaminococcus fermentans. Buckel W, et al. **Eur J Biochem** 1981 Aug; 118(2):315–21

Multiple forms of bovine liver rhodanese. Cannella C, et al. **Eur J Biochem** 1981 Oct;119(3):491–5

Purification and properties of succinyl–CoA:3–oxo–acid CoA–transferase from rat brain. Russell JJ, et al. **J Neurochem** 1982 May;38(5):1446–52

3–Mercaptopyruvate sulfurtransferase. Jarabak R. **Methods Enzymol** 1981;77:291–7

Hydroxysteroid sulfotransferase. Lyon ES, et al. **Methods Enzymol** 1981;77:206–13

Aryl sulfotransferases. Sekura RD, et al. **Methods Enzymol** 1981;77:197–206

Thiosulfate: cyanide sulfurtransferase (rhodanese). Westley J. **Methods Enzymol** 1981;77:285–91

METABOLISM

Demonstration of rhodanese enzyme activity in bone tissue. Bély M, et al. **Acta Morphol Acad Sci Hung** 1982; 30(1):49–55

Metabolic activation of 2–acetylaminofluorene. Thorgeirsson SS, et al. **Adv Exp Med Biol** 1981;136 Pt B:897–919

Activity of 3–oxo acid CoA–transferase, D–3–hydroxybutyrate dehydrogenase, hexokinase and carnitine palmitoyltransferase in the stomach and small and large intestine of the rat. Hanson PJ, et al. **Biochem J** 1981 Nov 15;200(2):349–55

3'–phosphoadenosine–5'–phosphosulphate synthesis and involvement in sulphotransferase reactions in the insect, Spodoptera littoralis. Isaac RE, et al. **Biochem J** 1982 Apr 15;204(1):127–33

Developmental alteration of hepatic UDP–glucuronosyltransferase and sulphotransferase towards androsterone and 4–nitrophenol in Wistar rats. Matsui M, et al. **Biochem J** 1982 May 15;204(2):441–7

Dose–dependent shifts in the sulfation and glucuronidation of phenolic compounds in the rat in vivo and in isolated hepatocytes. The role of saturation of phenolsulfotransferase. Koster H, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2569–75

Enzymic synthesis of steroid sulphates. XIV. Properties of human adrenal steroid alcohol sulphotransferase. Adams JB, et al. **Biochim Biophys Acta** 1981 Jun 23;664(3):460–8

Evidence for heterogeneity of hepatic bile salt sulfotransferases in female hamsters and rats. Barnes S, et

al. **Biochim Biophys Acta** 1982 Jun 4;704(2):353–60

Enzymatic sulfation of steroids. XVI. Very rapid effects of steroid hormones on hepatic cortisol sulfation in intact male rats. Singer SS, et al. **Biochim Biophys Acta** 1981 Nov 23; 666(2):212–5

Enzymatic sulfation of steroids. XV. Studies differentiating between rat liver androgen, estrogen, bile acid, glucocorticoid and phenol sulfotransferases. Singer SS, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):110–7

A fluorescence study of conformational changes induced by substrate and temperature in bovine liver thiosulfate sulfurtransferase. Wasylewski Z, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):12–8

Activities of 3-oxo acid–CoA transferase and acetoacetyl–CoA synthetase in brain and liver of the developing chick. Nehlig A, et al. **Brain Res** 1981 Aug; 254(1):89–96

Comparative study on glycosaminoglycan–sulfotransferases in rat costal cartilage and chick embryo cartilage. Honda A, et al. **Comp Biochem Physiol [B]** 1982;71B(1):41–7

Mechanism of sulphate transfer from 4–nitrophenylsulphate to phenolic acceptors via liver cytosolic sulphotransferase. Anhalt E, et al. **Enzyme** 1982;27(3):171–8

A comparison of some biochemical properties of liver thiosulphate sulphurtransferase from guinea pig (Lepus caniculus) & albino rat. Anosike EO, et al. **Indian J Biochem Biophys** 1982 Feb;19(1):13–6

On the mechanism of aryl sulfotransferase. Duffel MW, et al. **J Biol Chem** 1981 Nov 10;256(21):11123–7

Studies on chemical and enzymatic synthesis of maleyl–CoA. Pacanis A, et al. **J Biol Chem** 1981 Dec 25;256(24):13030–4

Cerebroside sulfotransferase: preparation of antibody and localization of antigen in kidney. Tennekoon GI, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):332–9

Cerebroside sulfotransferase in Golgi–enriched fractions from rat brain. Benjamins JA, et al. **J Neurochem** 1982 Jan; 38(1):233–41

Phenolsulphotransferase [letter] van Kempen GM, et al. **Lancet** 1982 May 15;1(8281):1121

Bile salt sulfotransferase. Chen LJ. **Methods Enzymol** 1981; 77:213–8

Sulfation in the metabolism and mutagenicity of N–hydroxy–2–fluorenylacetamide. Hinson JA, et al. **Natl Cancer Inst Monogr** 1981 Dec;(58):113–6

Distribution of lipid synthesizing enzymes, 2',3'–cyclic nucleotide 3'–phosphodiesterase, and myelin proteins in rat forebrain subfractions during development. Costantino–Ceccarini E, et al. **Neurochem Res** 1982 Jan; 7(1):1–12

Phenolsulfotransferase. **Psychopharmacol Bull** 1981 Jul; 17(3):43–52

Steroid sulfotransferase in hamster epididymis. Bouthillier M, et al. **Steroids** 1981 Nov;38(5):523–35

PHARMACODYNAMICS

What does phenolsulphotransferase do? [letter] Wardle EN. **Lancet** 1982 Mar 20;1(8273):691

SULINDAC see under **INDENES**

SULOCTIDIL see under **PROPANOLAMINES**

SULPIRIDE

ADMINISTRATION & DOSAGE

Repeated administration of sulpiride for three weeks produces behavioural and biochemical evidence for cerebral dopamine receptor supersensitivity. Jenner P, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):325–8

ANALOGS & DERIVATIVES

Effect of an antidopaminergic drug on LH, FSH and PRL levels in post–menopausal women. Venturini PL, et al. **Acta Eur Fertil** 1981 Sep;12(3):293–4

Development of radioimmunoassay for sultopride and sulpiride. Mizuchi A, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):317–26

[Dyskinesias due to veralipride (letter)] Laplane D, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2015 **(Fre)**

[Intractable menopausal disorders cured by veralipride (author's transl)] Angeli S, et al. **Sem Hop Paris** 1982 Jan 14;58(2):111–2 (Eng. Abstr.) **(Fre)**

[A clinical trial of veralipride in menopausal complaints (author's transl)] Lefevre J. **Sem Hop Paris** 1982 Feb 18; 58(7):411–3 (Eng. Abstr.) **(Fre)**

[Sultopride in acute manic psychoses (author's transl)] Rappard P, et al. **Sem Hop Paris** 1981 Nov 18–25; 57(43–44):1841–3 (Eng. Abstr.) **(Fre)**

BLOOD

Development of radioimmunoassay for sultopride and sulpiride. Mizuchi A, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):317–26

DIAGNOSTIC USE

[Pheochromocytoma with compression of renal vascular pedicle and hypoplastic kidney: interest of sulpiride and propranolol tests (author's transl)] Ben Maïz H, et al. **Ann Med Interne (Paris)** 1982;133(3):164–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Effect of guanine nucleotides on dopaminergic agonist and antagonist affinity for [3H]sulpiride binding sites in rat striatal membrane preparations. Freedman SB, et al. **J Neurochem** 1981 Sep;37(3):608–12

Influence of sodium and sulphydryl groups on [3H]sulpiride binding sites in rat striatal membranes. Freedman SB, et al. **J Neurochem** 1982 May;38(5):1459–65

A study on the localization of [3H]sulpiride binding sites in rat striatal membranes. Freedman SB, et al. **Neuropharmacology** 1981 Dec;20(12A):1151–5

[3H]Sulpiride, a ligand for neuroleptic receptors. Freedman SB, et al. **Neuropharmacology** 1981 Dec;20(12B):1323–6

PHARMACODYNAMICS

Regulation of prolactin and thyrotrophin secretion during human pregnancy: effect of sulpiride and TRH administration. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):451–5

Sulpiride and the role of dopaminergic receptor blockade in the antipsychotic activity of neuroleptics. Memo M, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):314–24

Pituitary endorphin levels increase after sulpiride treatment. Ferri S, et al. **Adv Biochem Psychopharmacol** 1982; 31:377–81

The mode of action of sulpiride as an atypical antidepressant agent. Jenner P, et al. **Adv Biochem Psychopharmacol** 1982; 32:85–103 (63 ref.)

Neuroleptic versus antidepressant activity of sulpiride isomers in the rat. Montanaro N, et al. **Adv Biochem Psychopharmacol** 1982;31:341–6

Effects of chronic haloperidol and sulpiride treatment on rat nigral GABA content. Rampello L, et al. **Boll Soc Ital Biol Sper** 1981 Aug 15;57(15):1608–11

Changes in nalorphine–induced hyperprolactinaemia after bromocriptine or sulpiride administration. Barreca T, et al. **Eur J Clin Pharmacol** 1982;22(4):375–6

Evaluation of peripheral dopamine receptor and alpha–adrenoceptor blocking activity of sulpiride. Barrett RJ, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):273–81

Sulpiride effects on nigral and striatal glutamic acid decarboxylase activity: a possible involvement of prolactin. Nicoletti F, et al. **Eur J Pharmacol** 1982 Jan 22; 77(2–3):131–5

The pharmacology of sulpiride—a dopamine receptor antagonist. O'Connor SE, et al. **Gen Pharmacol** 1982; 13(3):185–93 (118 ref.)

Prolactin responsiveness to repeated decremental doses of sulpiride. Tormey WP, et al. **Horm Metab Res** 1981 Aug; 13(8):454–5

Effect of chronic sulpiride on striatal spiperone binding. Bannet J, et al. **Int Pharmacopsychiatry** 1980;15(6):334–7

Relationships among release of prolactin, synthesis of DNA and growth of the anterior pituitary gland of the rat: effects of oestrogen and sulpiride. Jahn GA, et al. **J Endocrinol** 1982 Jul;94(1):1–10

Comparative effects of chronic haloperidol and sulpiride treatment on nigral and striatal GABA content. Nicoletti F, et al. **J Neurochem** 1981 Oct;37(4):1048–51

Pre– and postsynaptic effects of sulpiride in the rat isolated vas deferens. Badia A, et al. **J Pharm Pharmacol** 1982 Apr; 34(4):266–8

The absence of sodium ions does not explain the failure of sulpiride to inhibit, in vitro, rat striatal dopamine–sensitive adenylate cyclase. Rupniak NM, et al. **J Pharm Pharmacol** 1981 Sep;33(9):602–3

Studies on the action of (+/–)sulpiride on dopamine receptors in the rat brain in vivo. Hasan F, et al. **Neuropharmacology** 1981 Dec;20(12B):1327–30

Possible mixed agonist—antagonist activity of D–sulpiride at dopamine receptor level in man. Benfenati F, et al. **Neurosci Lett** 1981 Nov 4;26(3):289–95

Opiate antagonists stimulate affiliative behaviour in monkeys. Fabre–Nys C, et al. **Pharmacol Biochem Behav** 1982 Apr; 16(4):653–9

Prolactin response following intravenous and oral sulpiride in healthy human subjects in relation to sulpiride concentrations. Wiesel FA, et al. **Psychopharmacology (Berlin)** 1982;76(1):44–7

[Basal prolactinaemia and responses to TRH and to sulpiride in different categories of male sexual dysfunctions (author's transl)] Buvat J, et al. **Acta Psychiatr Belg** 1980 Jul–Aug; 80(4):487–93 (Eng. Abstr.) **(Fre)**

[Experimental study of sulpiride–bromocriptine association on the female rat estrous cycle (author's transl)] Valli M, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):49–55 (Eng. Abstr.) **(Fre)**

[Pharmacological influences on the brain level and transport of GABA. II) Effect of various psychoactive drugs on brain level and uptake of GABA] Gabana MA, et al. **Boll Soc Ital Biol Sper** 1981 Apr 30;57(8):909–13 (Eng. Abstr.) **(Ita)**

[Effect of sulpiride on plasma TSH secretion in various hypothalamo–pituitary disorders (author's transl)] Sasaki A. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20; 58(3):210–24 (Eng. Abstr.) **(Jpn)**

[The effect of sulpiride on the endocrine pancreas (author's transl)] Suzuki H, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Dec 20;57(12):1707–15 (Eng. Abstr.) **(Jpn)**

[The inhibitory effect of sulpiride on arginine–stimulated serum gastrin and growth hormone in normal subjects and peptic ulcer patients (author's transl)] Nakayasu A. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1363–9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Effect of sulpiride on poor puerperal lactation. Aono T, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):927–32

Sulpiride improves inadequate lactation. Ylikorkala O, et al. **Br Med J [Clin Res]** 1982 Jul 24;285(6337):249–51

Effects of long–lasting sulpiride therapy on growth hormone secretion in mentally disturbed children. Brambilla F, et al. **Clin Ther** 1981;4(2):95–102

[A major medication for autism: sulpiride (author's transl)] Weiss C. **Sem Hop Paris** 1981 Nov 18–25;57(43–44):1855–6 (Eng. Abstr.) **(Fre)**

SULTHIAME see under **THIAZINES**

SUNBURN

The effects of heat and sun on the skin of the teenager and young adult. Meynadier J, et al. **Curr Med Res Opin** 1982; 7(Suppl 2):55–60

Sunburn [editorial] Smith EB. **J Am Acad Dermatol** 1981 Oct;5(4):472

A climatology of sunburning ultraviolet radiation. Berger DS, et al. **Photochem Photobiol** 1982 Feb;35(2):187–92

COMPLICATIONS

Multiple agminated juvenile melanoma: a case with a sunburn history, and a review. Krakowski A, et al. **Dermatologica** 1981;163(3):270–5

ETIOLOGY

Methotrexate and ultraviolet radiation. Armstrong RB, et al. **Arch Dermatol** 1982 Mar;118(3):177–8

The influence of infrared radiation on short–term ultraviolet–radiation–induced injuries. Kaidbey KH, et al. **Arch Dermatol** 1982 May;118(5):315–8

PATHOLOGY

The human sunburn reaction: histologic and biochemical studies. Gilchrest BA, et al. **J Am Acad Dermatol** 1981 Oct;5(4):411–22

PREVENTION & CONTROL

Protection against UV–B by UV–A–induced tan. Roser–Maass E, et al. **Arch Dermatol** 1982 Jul;118(7):483–6

Sunburn and sunscreens: an update. Edwards EK Jr, et al. **J Fla Med Assoc** 1982 Jun;69(6):458–9

SUNLIGHT

Polymorphous light eruption: a common reaction uncommonly recognized. Morison WL, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):237–40

Immunofluorescence patterns in sun–exposed and not–sun–exposed skin of healthy individuals. Nieboer C. **Acta Derm Venereol (Stockh)** 1981;61(6):471–9

Solar–induced skin changes. Fenske NA, et al. **Am Fam Physician** 1982 Jun;25(6):109–17

Environmental factors in the epidemiology of malignant myopia. Daubs J. **Am J Optom Physiol Opt** 1982 Mar; 59(3):271–7

Asymmetric anterior segment changes induced by chlorpromazine. Deluise VP, et al. **Ann Ophthalmol** 1981 Aug;13(8):953–5

Solar urticaria. Clinical features and wavelength dependence. Ravits M, et al. **Arch Dermatol** 1982 Apr;118(4):228–31

Basal cell carcinoma in Queensland. Emmett AJ, et al. **Aust NZ J Surg** 1981 Dec;51(6):576–90 (54 ref.)

Prevention of solar carcinoma. Becker SW Jr, et al. **Australas J Dermatol** 1981 Aug;22(2):56–8

The effect of direct solar radiation during pregnancy on the postnatal growth of rabbits. Abo–Elezz ZR. **Beitr Trop Landwirtsch Veterinarmed** 1982;20(1):69–74

Photoperiodic inhibition of testicular development is mediated by the pineal gland in white–footed mice. Johnston PG, et al. **Biol Reprod** 1982 May;26(4):597–602

Personal solar UV–A doses received by patients undergoing oral psoralen photochemotherapy for psoriasis. Moseley H, et al. **Br J Dermatol** 1981 Nov;105(5):573–7

Interglobular dentine in first and third molars: relation to hours of sunshine during growth in two archeological populations from England. Ivanhoe F. **Calcif Tissue Int** 1982 Mar;34(2):136–44

Habits of sun exposure and risk of malignant melanoma: an analysis of incidence rates in Norway 1955–1977 by cohort, sex, age, and primary tumor site. Magnus K. **Cancer** 1981 Nov 15;48(10):2329–35

The role of sunlight in the aetiology of cutaneous malignant melanoma. Mackie RM. **Clin Exp Dermatol** 1981 Jul; 6(4):407–10 (13 ref.)

The effects of heat and sun on the skin of the teenager and young adult. Meynadier J, et al. **Curr Med Res Opin** 1982; 7(Suppl 2):55–60

Nonrashes. Part II: solatics. Bernhard JD, et al. **Cutis** 1982 Mar;29(3):253

Sunlight–induced mutagenesis and toxicity in L5178Y mouse cells: determination and comparison with other light

sources. Krell K, et al. **Environ Mutagen** 1980;2(3):389–94
Solar radiation and cutaneous melanoma. Viola MV, et al. **Hosp Pract** 1982 Sep;17(9):97–106
Effect of solar eclipse on isoproterenol treated rats. Kela AK, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):295–6
Solar radiation and malignant melanoma of the skin. Houghton AN, et al. **J Am Acad Dermatol** 1981 Oct; 5(4):477–83 (34 ref.)
Skin type, minimal erythema dose (MED), and sunlight acclimatization. Sayre RM, et al. **J Am Acad Dermatol** 1981 Oct;5(4):439–43
Sunlight–skin cancer association in the dog: a report of three cases. Madewell BR, et al. **J Cutan Pathol** 1981 Dec; 8(6):434–43
Solar cheilitis. Cataldo E, et al. **J Dermatol Surg Oncol** 1981 Dec;7(12):989–95
Genotoxic effects of sunlight-activated waste water in cultured mammalian cells. Strniste GF, et al. **JNCI** 1982 Jul;69(1):199–203
Daylength and breeding in the domestic cat. Hurni H. **Lab Anim** 1981 Jul;15(3):229–33
Eruptive tumors on sun-exposed skin after benoxaprofen [letter] Findlay GH, et al. **Lancet** 1982 Jul 10;2(8289):95
Cataract: sanitation or sunglasses? Harding JJ. **Lancet** 1982 Jan 2;1(8262):39
Cataract—the ultraviolet risk factor. Hollows F, et al. **Lancet** 1981 Dec 5;2(8258):1249–50
Skin cancer developing in xeroderma pigmentosum patient relaxing sunlight avoidance [letter] Lynch HT, et al. **Lancet** 1981 Nov 28;2(8257):1230
Melanomas and sunlight [letter] Young LS. **Med J Aust** 1981 Sep 5;2(5):258
Vitamin D: sunlight and precursors [news] Hay A. **Nature** 1982 Jun 3;297(5865):364
Pyrimidine dimers induced in Escherichia coli DNA by ultraviolet radiation present in sunlight. Ellison MJ, et al. **Photochem Photobiol** 1981 Oct;34(4):465–9
Lethal effects of natural solar ultraviolet radiation in repair proficient and repair deficient strains of Escherichia coli: actions and interactions. Tyrrell RM, et al. **Photochem Photobiol** 1981 Sep;34(3):331–7
A mathematical model of the biologically effective dose of solar UVA received by patients undergoing oral psoralen photochemotherapy for psoriasis. Diffey BL. **Phys Med Biol** 1981 Nov;26(6):1129–35
The effects of sunlight on the skin. Hawk JL. **Practitioner** 1982 Jul;226(1369):1258–66
Histopathological studies on sun-exposed hexachlorobenzene-induced porphyric rat skin. Torinuki W, et al. **Tohoku J Exp Med** 1981 Aug;134(4):425–30
[The cutaneous diseases induced or precipitated by sunlight (author's transl)] Gieser JD. **Ther Umsch** 1982 Mar; 39(3):173–7 (37 ref.) (Eng. Abstr.) **(Fre)**
[Actinic reticulosis (author's transl)] Laugier P. **Ther Umsch** 1982 Mar;39(3):167–72 (Eng. Abstr.) **(Fre)**
[Solar protection (author's transl)] Ramelet AA. **Ther Umsch** 1982 Mar;39(3):222–5 (Eng. Abstr.) **(Fre)**
[Solar urticaria] Zina G, et al. **Ther Umsch** 1982 Mar; 39(3):189–92 (Eng. Abstr.) **(Fre)**
[Uses and risks of sunlight on the skin] Nolting S. **Pharm Unserer Zeit** 1982 Mar;11(2):33–40 **(Ger)**
[Polymorphous photodermatoses (author's transl)] Wiskemann A. **Ther Umsch** 1982 Mar;39(3):163–6 (Eng. Abstr.) **(Ger)**
[A case of solar urticaria with inhibition spectrum (author's transl)] Hasei K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):637–44 **(Jpn)**
[Quantitative changes in human dermal elastic fibers with age and chronic sun damage (author's transl)] Tsuji T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Apr;91(5):543–47 **(Jpn)**
[Visual work capacity of pupils under exposure to sun] Zhilov IuD. **Gig Sanit** 1982 Jun;(6):27–8 **(Rus)**
[Solar activity, dynamics of the ozone layer and possible role of ultraviolet radiation in heliobiology] Vladimirskiĭ BM. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):12–5 (Eng. Abstr.) **(Rus)**
[Course of Werlhof's disease in children in low-sun and sunny environments] Nartsissov RP, et al. **Pediatriia** 1981 May;(5):29–31 **(Rus)**
[Effects of solar activity in the biosphere] **Probl Kosm Biol** 1982;43:1–227 **(Rus)**
[Biological action of nonionizing radiation and the problem of the effect of solar activity on organisms] Achkasova IuN, et al. **Probl Kosm Biol** 1982;43:109–16 **(Rus)**
[Methodology of heliobiological research] Gnevyshev MN, et al. **Probl Kosm Biol** 1982;43:216–9 **(Rus)**
[Effect of the heliogeomagnetic situation on cell monolayers and the distant intercellular interactions at high latitudes] Kaznacheev VP, et al. **Probl Kosm Biol** 1982;43:63–73 **(Rus)**
[Adaptation problems and solar activity] Novikova KF, et al. **Probl Kosm Biol** 1982;43:9–47 (69 ref.) **(Rus)**
[Biochemical mechanism of the reaction of living organisms to changes in solar activity] Sokolovskiĭ VV. **Probl Kosm Biol** 1982;43:180–93 (73 ref.) **(Rus)**
[Acceleration of thiol compound oxidation under increasing solar activity] Sokolovskiĭ VV. **Probl Kosm Biol** 1982; 43:194–7 **(Rus)**
[Variations in the transmission spectra of aqueous solutions and their correlations with neutron monitor readings] Tsaplin VS, et al. **Probl Kosm Biol** 1982;43:211–5 **(Rus)**
[Sun–Earth relations in biology and the phenomenon of frequency 'capture'] Vladimirskiĭ BM. **Probl Kosm Biol** 1982;43:166–74 (29 ref.) **(Rus)**
[Atmospheric infrasonics as a possible factor transmitting the effect of solar activity to the biosphere] Vladimirskiĭ BM. **Probl Kosm Biol** 1982;43:174–9 (18 ref.) **(Rus)**
[Relation of solar activity to the severity of the consequences of traffic accidents in Moscow] Zaguskin IuS, et al. **Probl Kosm Biol** 1982;43:59–63 **(Rus)**
[Possible mechanism of Sun–biosphere relationships] Zhvirblis VE. **Probl Kosm Biol** 1982;43:197–211 **(Rus)**
[Effect of solar irradiation of various intensities on cardiovascular patients in a fluctuating weather system in western Siberia] Iakovenko ES, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):44–7 **(Rus)**

SUNSCREENING AGENTS

Sunscreen update. Marx JL. **J Dermatol Surg Oncol** 1982 May;8(5):324–5

ADMINISTRATION & DOSAGE

[New tendencies in skin protection against light damage (author's transl)] Ippen H. **Dermatol Monatsschr** 1982 May; 168(5):297–301 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Comedogenicity of sunscreens. Experimental observations in rabbits. Mills OH Jr, et al. **Arch Dermatol** 1982 Jun; 118(6):417–9
Acute photosensitivity from the sunscreen 2-ethoxyethyl-p-methoxycinnamate. Davies MG, et al. **Contact Dermatitis** 1982 May;8(3):190–2
Dermatitis from Eusolex 8021 sunscreen agent in a cosmetic. Woods B. **Contact Dermatitis** 1981 May;7(3):168
Allergic reactions to benzyl alcohol in a sunscreen. Edwards EK Jr. **Cutis** 1981 Sep;28(3):332–3
Allergic reaction to tertiary butyl alcohol in a sunscreen. Edwards EK Jr, et al. **Cutis** 1982 May;29(5):476–8
Sunscreens and their side effects [letter] Nearn MR. **Med J Aust** 1981 Nov 14;2(10):516
[Photoallergic contact dermatitis by benzophenone containing sunscreening preparations] Hölzle E, et al. **Hautarzt** 1982 Jul;33(7):391–3 (Eng. Abstr.) **(Ger)**

METABOLISM

Pharmacokinetic study on the percutaneous absorption of p-aminobenzoic acid from three sunscreen preparations. Arancibia A, et al. **Farmaco [Prat]** 1981 Aug;36(8):357–65

PHARMACODYNAMICS

Prevention of changes after UV-irradiation by sunscreen products in skin of hairless mice. Vogel HG, et al. **Arch Dermatol Res** 1981;270(4):421–8
Sunscreens block the induction of epidermal ornithine decarboxylase by ultraviolet-B radiation: a new way of evaluating sunscreen efficacy in vivo. Gange RW, et al. **Br J Dermatol** 1982 Aug;107(2):215–20
The efficacy of sunscreening agents: protection factors and transmission spectra. Hawk JL, et al. **Clin Exp Dermatol** 1982 Jan;7(1):21–31
Sunburn and sunscreens: an update. Edwards EK Jr, et al. **J Fla Med Assoc** 1982 Jun;69(6):458–9
Observations on the mechanism of the protective action of sunscreens. Blank IH, et al. **J Invest Dermatol** 1982 May; 78(5):381–5

THERAPEUTIC USE

Evaluation of seven sunscreens on hairless mouse skin. Walter JF. **Arch Dermatol** 1981 Sep;117(9):547–50
Prevention of ultraviolet damage to the dermis of hairless mice by sunscreens. Kligman LH, et al. **J Invest Dermatol** 1982 Feb;78(2):181–9

TOXICITY

Psoralen-containing sunscreen induces phototoxicity and epidermal ornithine decarboxylase activity. Walter JF, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1022–7

SUNSTROKE

OCCURRENCE

Morbidity and mortality associated with the July 1980 heat wave in St Louis and Kansas City, Mo. Jones TS, et al. **JAMA** 1982 Jun 25;247(24):3327–31
Risk factors for heatstroke. A case-control study. Kilbourne EM, et al. **JAMA** 1982 Jun 25;247(24):3332–6
Epidemic heat effects [editorial] Lee DH. **JAMA** 1982 Jun 25;247(24):3354–5

SUPEREGO

The forbidden quest and the analytic ideal: the superego and insight. Blum HP. **Psychoanal Q** 1981;50(4):535–56
The superego concept. Part II: Superego development, superego pathology summary. Garza-Guerrero AC. **Psychoanal Rev** 1981–82 Winter;68(4):513–46
The superego concept. Part I: historical review; object relations approach. Guerrero AC. **Psychoanal Rev** 1981 Fall;68(3):321–42 (108 ref.)

SUPERFETATION

Superfecundation. Harris DW. **J Reprod Med** 1982 Jan; 27(1):suppl 39

SUPERIOR COLLICULUS

Oculomotor abnormalities in patients with lesions involving the tectal region. Girotti F, et al. **Ital J Neurol Sci** 1980 Jun;1(3):139–48

ANALYSIS

Mass fragmentographic method for the determination of trace amounts of putative amino acid neurotransmitters and related compounds from brain perfusates collected in vivo. Wolfensberger M, et al. **J Neurochem** 1982 Feb;38(2):451–6

ANATOMY & HISTOLOGY

The normal organization of the lateral posterior nucleus in the golden hamster and its reorganization after neonatal superior colliculus lesions. Crain BJ, et al. **Behav Brain Res** 1981 Sep;3(2):223–8
Organization of somatosensory input to the deep collicular laminae in hamster. Rhoades RW. **Behav Brain Res** 1981 Sep;3(2):201–22
The projection from the nucleus of the posterior commissure to the superior colliculus of the cat: patch-like endings within the intermediate and deep grey layers. Huerta MF, et al. **Brain Res** 1982 Apr 29;238(2):426–32
On the organization of the retino-tecto-thalamo-telencephalic pathways in a Chilean rodent; the Octodon degus. Kuljis RO, et al. **Brain Res** 1982 Feb 25;234(2):189–204
Retinocollicular projections in the neonatal rat: an anatomical basis for plasticity. Laemle LK, et al. **Brain Res** 1982 Feb; 255(2):317–22
Afferent and efferent connections of the optic tectum in the carp (Cyprinus carpio L.). Luiten PG. **Brain Res** 1981 Sep 7;220(1):51–65
Cultured embryonic retinae transplanted to rat brain: differentiation and formation of projections to host superior colliculus. McLoon LK, et al. **Brain Res** 1981 Dec 7; 226(1–2):15–31
Spatial properties of superior colliculus cells projecting to the inferior pulvinar and parabigeminal nucleus of the monkey. Marrocco RT, et al. **Brain Res** 1981 Oct 5; 222(1):150–4
Organization of tectospinal neurons in the cat and rat superior colliculus. Murray EA, et al. **Brain Res** 1982 Jul 15; 243(2):201–14
Topographic projections between the nucleus isthmi and the optic tectum in a teleost. Navodon modestus. Sakamoto N, et al. **Brain Res** 1981 Nov 16;224(2):225–34
Optic fiber segregation in goldfish with two eyes innervating one tectal lobe. Springer AD, et al. **Brain Res** 1981 Nov 23;225(1):23–36
Efferent projections of the neonatal superior colliculus: extraoculomotor-related brain stem structures. Stein BE, et al. **Brain Res** 1982 May 6;239(1):17–28
Morphologic and autoradiographic evidence for a laminated pretectal olivary nucleus in the squirrel monkey. Weber JT, et al. **Brain Res** 1981 Nov 9;224(1):153–9
Identification of geniculo-tectal relay neurons in the rat's ventral lateral geniculate nucleus. Brauer K, et al. **Exp Brain Res** 1982;45(1–2):84–8
Mapping studies of the tectal representation of the frog binocular visual field. A problem of methodology. Gaillard F, et al. **Exp Brain Res** 1981;44(2):187–94
Axonal patterns and sites of termination of cat superior colliculus neurons projecting in the tecto-bulbo-spinal tract. Grantyn A, et al. **Exp Brain Res** 1982;46(2):243–56
The superior colliculus neurons which project to the dorsal and ventral lateral geniculate nuclei in the cat. Harrell JV, et al. **Exp Brain Res** 1982;46(2):234–42
Descending projections to the inferior olive from the mesencephalon and superior colliculus in the cat. An autoradiographic study. Saint-Cyr JA, et al. **Exp Brain Res** 1982;45(3):333–48
Retinotopic and temporal organization of the optic nerve and tracts in the adult goldfish. Bunt SM. **J Comp Neurol** 1982 Apr 10;206(3):209–26
Plasticity in the chick ventral lateral geniculate nucleus. Crossland WJ. **J Comp Neurol** 1981 Dec 20;203(4):671–83
The intercollicular pathway in the golden hamster: an anatomical study. Fish SE, et al. **J Comp Neurol** 1982 Jan 1;204(1):6–20
Cytoarchitecture, fiber connections, and ultrastructure of nucleus isthmi in a teleost (Navodon modestus) with a special reference to degenerating isthmic afferents from optic tectum and nucleus pretectalis. Ito H, et al. **J Comp Neurol** 1982 Mar 1;205(3):299–311
The organization of subcortical projections of the hamster's visual cortex. Lent R. **J Comp Neurol** 1982 Apr 10; 206(3):227–42
Localization of neurons afferent to the optic tectum in longnose gars. Northcutt RG. **J Comp Neurol** 1982 Feb 1;204(4):325–35
The innervation of a virgin tectum by a double-temporal or a double-nasal eye in Xenopus. Straznicky C, et al.

J Embryol Exp Morphol 1982 Apr;68:9–21

Anomalous axonal outgrowth at the retina caused by injury to the optic nerve or tectal ablation in adult Xenopus. Bohn RC, et al. **J Neurocytol** 1982 Apr;11(2):211–34

Reorganization of somatosensory input to superior colliculus in neonatally enucleated hamsters: anatomical and electrophysiological experiments. Rhoades RW, et al. **J Neurophysiol** 1981 Oct;46(4):855–77

The laminar origin and distribution of the crossed tectoreticular pathways. Holcombe V, et al. **J Neurosci** 1981 Oct;1(10):1103–12

A method for making very small, quantifiable micropipette injections of axonal tracer substances. Fish SE, et al. **J Neurosci Methods** 1981 Oct;4(3):291–7

Synaptic organization in the olivary pretectal nucleus of the adult rat. Campbell G, et al. **Neurosci Lett** 1982 Feb 12; 28(2):151–5

Cortico-recipient and tecto-recipient visual zones in the rat's lateral posterior (pulvinar) nucleus: an anatomical study. Mason R, et al. **Neurosci Lett** 1981 Sep 1;25(2):107–12

A sensitive period for ganglion cell degeneration and the formation of aberrant retino-fugal connections following tectal lesions in rats. Perry VH, et al. **Neuroscience** 1982 Mar;7(3):583–94

[Ultrastructural differences in the morphology of the optic tectum of the carp (Cyprinus carpio) and rainbow trout (Salmo gairdneri) with special reference to the synapses] Choms A, et al. **J Hirnforsch** 1981;22(3):299–306 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Telencephalic efferents in channel catfish, Ictalurus punctatus: projections to the olfactory bulb and optic tectum. Bass AH. **Brain Behav Evol** 1981;19(1–2):1–16

The generation and migration of the chick's isthmic complex. Clarke PG. **J Comp Neurol** 1982 May 20;207(3):208–22

Neurogenetic gradients in the superior and inferior colliculi of the rhesus monkey. Cooper ML, et al. **J Comp Neurol** 1981 Nov 1;202(3):309–34

Cell death in the mammalian visual system during normal development: II. Superior colliculus. Finlay BL, et al. **J Comp Neurol** 1982 Feb 1;204(4):318–24

Trigeminal projections to the superior colliculus of the rat. Killackey HP, et al. **J Comp Neurol** 1981 Sep 10; 201(2):221–42

Two types of GABA-accumulating neurons in the superficial gray layer of the cat superior colliculus. Mize RR, et al. **J Comp Neurol** 1982 Apr 1;206(2):180–92

Projections from the superior colliculus and the neocortex to the pulvinar nucleus in Galago. Raczkowski D, et al. **J Comp Neurol** 1981 Aug 1;200(2):231–54

Morphology of radial glia, ependymal cells, and periventricular neurons in the optic tectum of goldfish (Carassius auratus). Stevenson JA, et al. **J Comp Neurol** 1982 Feb 20;205(2):128–38

A Golgy study of cellular morphology in the superficial layers of superior colliculus man, Saimiri, and Macaca. Laemle LK. **J Hirnforsch** 1981;22(3):253–63

Retinal Y-cell activation of deep-layer cells in superior colliculus of the cat. Berson DM, et al. **J Neurophysiol** 1982 Apr;47(4):700–14

Mitosis of radial glial cells in the optic tectum of adult goldfish. Stevenson JA, et al. **J Neurosci** 1981 Aug; 1(8):862–75

The prefrontal corticotectal projection in the monkey; an anterograde and retrograde horseradish peroxidase study. Leichnetz GR, et al. **Neuroscience** 1981;6(6):1023–41

[Histological and ult.astructural observations on ependymal tanycytes of the optic tectum of the Triturus] Ciani F, et al. **Arch Ital Anat Embriol** 1981;86(1–2):147–62 (Eng. Abstr.) **(Ita)**

[Localization of subcortical afferent neurons to the superior colliculus in the rabbit (author's transl)] Uchida K. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):920–4 (Eng. Abstr.) **(Jpn)**

[Spatial organization of the neurons generating movement direction and speed in the frog tectum opticum] Alelnikova TV, et al. **Biol Nauki** 1981;(12):54–7 **(Rus)**

DRUG EFFECTS

Locomotor activity of rats in open field after microinjection of procaine into superior colliculus or underlying reticular formation. Dean P, et al. **Behav Brain Res** 1982 Jun; 5(2):175–87

Suppression of apomorphine-induced oral stereotypy in rats by microinjection of muscimol into midbrain. Dean P, et al. **Life Sci** 1982 Jun 21;30(25):2171–9

Dose effects of pentobarbital on evoked potentials in visual cortex and superior colliculus of the albino rat. Hetzler BE, et al. **Neuropharmacology** 1981 Oct;20(10):969–78

Gnawing and changes in reactivity produced by microinjections of picrotoxin into the superior colliculus of rats. Redgrave P, et al. **Psychopharmacology (Berlin)** 1981;75(2):198–203

EMBRYOLOGY

Peripheral control of midbrain mitotic activity in the frog. Kollros JJ. **J Comp Neurol** 1982 Feb 20;205(2):171–8

Anatomy and physiology of experimentally produced striped tecta. Law MI, et al. **J Neurosci** 1981 Jul;1(7):741–59

Prenatal development of retinocollicular projections in the cat: an anterograde tracer transport study. Williams RW, et al. **J Neurosci** 1982 May;2(5):604–22

Preferential adhesion of tectal membranes to anterior embryonic chick retina neurites. Halfter W, et al. **Nature** 1981 Jul 2;292(5818):67–70

Alterations in precision of the crossed retinotectal projection during chick development. McLoon SC. **Science** 1982 Mar 12;215(4538):1418–20

ENZYMOLOGY

Ultrastructural distribution of choline acetyltransferase in the goldfish optic tectum. Villani L. **Basic Appl Histochem** 1982;26(2):99–105

Cytochemical study of cholinesterases in the normal and retino-derived optic tectum of reptiles. Villani L, et al. **J Hirnforsch** 1982;23(1):55–66

Myelin deposition in the optic tectum of trout as monitored by enzymatic and morphometric analyses. Jeserich G, et al. **Neurochem Res** 1981 Dec;6(12):1327–36

Evidence for the existence of a dopamine-sensitive adenylate cyclase in chick optic tectum. Nisticò G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):387–93

GROWTH & DEVELOPMENT

Transplantation of reaggregates of embryonic neural retinae to neonatal rat brain: differentiation and formation of connections. McLoon LK, et al. **J Comp Neurol** 1982 Feb 20;205(2):179–89

Alterations of the crossed parabigeminotectal projection induced by neonatal eye removal in rats. Stevenson JA, et al. **J Comp Neurol** 1982 May 10;207(2):191–202

The development of the retinotectal projections from compound eyes in Xenopus. Straznicky C, et al. **J Embryol Exp Morphol** 1981 Apr;62:13–35

Effects of enucleation on high-affinity binding sites in chick optic tecta. Por SB, et al. **J Neurochem** 1982 Feb; 38(2):545–50

IMMUNOLOGY

A monoclonal antibody which binds to the surface of chick brain cells and myotubes: cell selectivity and properties of the antigen. Lemmon V, et al. **Brain Res** 1982 Mar; 255(3):349–60

METABOLISM

The relationship of glucose utilization and morphological change in the visual system in hexacarbon neuropathy. Griffiths IR, et al. **Brain Res** 1981 Oct 19;222(2):447–51

Rate of anterograde axonal transport of [125I]wheat germ agglutinin from retina to optic tectum in the chick. Margolis TP, et al. **Brain Res** 1981 Dec 14;229(1):218–23

Rapid effect of enucleation on neurotransmitter receptor binding in chick optic tecta. Por SB. **Brain Res** 1981 Oct 19;222(2):406–10

Ganglioside changes in the chicken optic lobes as biochemical indicators of brain development and maturation. Rösner H. **Brain Res** 1982 Mar 18;236(1):49–61

Mass fragmentographic determination of endogenous glycine and glutamic acid released in vivo from the pigeon optic tectum. Effect of electric stimulation of a midbrain nucleus. Wolfensberger M, et al. **Brain Res** 1981 Nov 16; 224(2):327–36

Neurons and glia in cat superior colliculus accumulate [3H]gamma-aminobutyric acid (GABA). Mize RR, et al. **J Comp Neurol** 1981 Nov 1;202(3):385–96

Two types of GABA-accumulating neurons in the superficial gray layer of the cat superior colliculus. Mize RR, et al. **J Comp Neurol** 1982 Apr 1;206(2):180–92

Metabolic response to optic centers to visual stimuli in the albino rat: anatomical and physiological considerations. Toga AW, et al. **J Comp Neurol** 1981 Jul 10;199(4):443–64

The topographical distribution of alanine, aspartate, gamma-aminobutyric acid, glutamate, glutamine, and glycine in the pigeon optic tectum and the effect of retinal ablation. Fonnum F, et al. **J Neurochem** 1982 Apr; 38(4):1130–4

Axonal transport, deposition, and metabolic turnover of glycoproteins in the rat optic pathway. Goodrum JF, et al. **J Neurochem** 1982 Mar;38(3):696–704

Comparison of axonal transport of cytoplasmic- and particulate-associated tubulin in rat optic system. Goodrum JF, et al. **J Neurochem** 1982 Aug;39(2):443–51

In vivo release of glutamate and aspartate following optic nerve stimulation. Canzek V, et al. **Nature** 1981 Oct 15–21; 293(5833):572–4

MICROBIOLOGY

Neuronal spread of scrapie agent and targeting of lesions within the retino-tectal pathway. Fraser H. **Nature** 1982 Jan 14;295(5845):149–50

PATHOLOGY

Slowly alternating skew deviation: description of a pretectal syndrome in three patients. Corbett JJ, et al. **Ann Neurol** 1981 Dec;10(6):540–6

[Neuro-pathological study on superior colliculus of Minamata disease, especially chronic and prolonged cases (author's transl)] Yasutake H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):915–9 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Acoustically evoked potentials in the visual cortex and superior coliculus of the freely moving rat and their variability. Brankatschk J, et al. **Acta Biol Med Ger** 1981; 40(9):1153–59

The role of frontal eye-fields and superior colliculi in visual search and non-visual search in rhesus monkeys. Collin NG, et al. **Behav Brain Res** 1982 Feb;4(2):177–93

Influence of novelty on locomotor hyperactivity after lesions of superior colliculus in rats. Dean P, et al. **Behav Brain Res** 1982 Jun;5(2):213–8

Interactions between components of the avian visual system. Hodos W, et al. **Behav Brain Res** 1982 Jun;5(2):157–73

Some effects of pretectum lesions on the frogs' detection of stationary objects. Ingle DJ. **Behav Brain Res** 1980 Apr; 1(2):139–63

Organization of the rodent superior colliculus: some comparisons with other mammals. Stein BE. **Behav Brain Res** 1981 Sep;3(2):175–88

Spatial deficits on radial maze after large tectal lesions in rats: possible role of impaired scanning. Dean P, et al. **Behav Neural Biol** 1981 Jun;32(2):170–90

Control of pinna movements and sensorimotor register in cat superior colliculus. Stein BE, et al. **Brain Behav Evol** 1981;19(3–4):180–92

Contrast sensitivity of neurons in pigeon optic tectum. Bagnoli P, et al. **Brain Res** 1981 Oct 26;223(1):39–48

Interactions of inputs from dorsal columns and ventral tracts with visual inputs on single neurons of cat superior colliculus. Bitar M, et al. **Brain Res** 1981 Sep 14; 220(2):356–61

A re-evaluation of the role of superior colliculus in turning behaviour. Di Chiara G, et al. **Brain Res** 1982 Apr 8; 237(1):61–77

Optic afferents, neuron maturation, and neuron survival in the rat superior colliculus. Giordano DL, et al. **Brain Res** 1982 Jul;256(3):365–8

Receptive field properties of rat ventral lateral geniculate cells projections to the superior colliculus. Hayashi Y, et al. **Brain Res** 1981 Dec 7;226(1–2):298–303

An electrophysiological study of early retinotectal projection patterns during optic nerve regeneration in Hyla moorei. Humphrey MF, et al. **Brain Res** 1982 May 13; 239(2):595–602

Behavioural effects of GABA-agonists and antagonists infused in the mesencephalic reticular formation – deep layers of superior colliculus. Imperato A, et al. **Brain Res** 1981 Nov 9;224(1):185–94

Somatotopic organization of 3I corticotectal projections in rats. Kassel J. **Brain Res** 1982 Jan 14;231(2):247–55

The miswired goldfish brain: long-term persistence and transience of retinal projections following tectal lobe removal. Levine RL, et al. **Brain Res** 1982 Jun 17; 242(1):11–8

Long-lasting evoked potential and repetitive firing recorded from the carp optic tectum in Cl-deficient medium in vitro. Matsumoto N, et al. **Brain Res** 1981 Nov 30;225(2):437–41

Goldfish tectal explants have a growth-promoting effect on neurites emerging from co-cultured regenerating retinal explants. Mizrachi Y, et al. **Brain Res** 1982 Mar; 255(3):502–5

Electrophysiological evidence for branching nigral projections to pontine reticular formation, superior colliculus and thalamus. Niijima K, et al. **Brain Res** 1982 May 6;239(1):279–82

Kainic acid neurotoxicity does not depend on intact retinal input in the goldfish optic tectum. Poli A, et al. **Brain Res** 1981 Oct 19;222(2):277–84

Visual responses of nucleus corticalis neurons in the perciform teleost, Northern Rock Bass (Ambloplites rupestris rupestris). Rowe JS, et al. **Brain Res** 1982 Mar 18;236(1):205–9

Projections from areas 17 and 18 of the visual cortex to the nucleus of the optic tract. Schoppmann A. **Brain Res** 1981 Oct 26;223(1):1–17

Maturation of cortical control over superior colliculus cells in cat. Stein BE, et al. **Brain Res** 1981 Nov 2;223(2):429–35

Physiological properties of expanded ipsilateral retinocollicular projection in neonatally enucleated albino rats. Takeuchi H, et al. **Brain Res** 1982 Jan 7;231(1):191–6

The demonstration of a retinal projection to the medial pretectal nucleus in the domestic cat and the squirrel monkey: an autoradiographic analysis. Weber JT, et al. **Brain Res** 1982 Jan 28;232(1):181–6

Tectal projections in teleosts: responses of some target nuclei to direct tectal stimulation. Williams B, et al. **Brain Res** 1982 Jun 17;242(1):3–9

Neurophysiological and biochemical properties of the goldfish optic tectum maintained in vitro. Teyler TJ, et al. **Brain Res Bull** 1981 Jul;7(1):45–56

Effects of stimulation of frontal cortex, superior colliculus, and neck muscle afferents on interstitiospinal neurons in the cat. Fukushima K, et al. **Exp Brain Res** 1981; 44(2):143–53

Responses of cat mesencephalic reticulospinal neurons to stimulation of superior colliculus, pericruciate cortex, and neck muscle afferents. Fukushima K, et al. **Exp Brain Res** 1981;44(4):441–4

Residual tectal projection from the contralateral central retina of the frog after homolateral optic nerve and mair

optic tract section. A possible input from the axial optic tract. Gaillard F. **Exp Brain Res** 1981;44(3):277–86

The spatial organization of the excitatory regions in the visual receptive fields of the pigeon's optic tectum. Hardy O, et al. **Exp Brain Res** 1982;46(1):59–68

Embryonic chick retinal ganglion cells identified 'in vitro'. Their survival is dependent on a factor from the optic tectum. Nurcombe V, et al. **Exp Brain Res** 1981; 44(3):249–58

Response characteristics and stratification of tectal neurons in the toad Bufo bufo (L.). Roth G, et al. **Exp Brain Res** 1982;45(3):393–8

Responses in the optic tectum of the salamander Hydromantes italicus to moving prey stimuli. Roth G. **Exp Brain Res** 1982;45(3):386–92

Visuotopic organization of the superior colliculus of the opossum. Volchan E, et al. **Exp Brain Res** 1982;46(2):263–8

Effects of superior colliculus electrolytic lesion on eye movements evoked through electrical stimulation of the pulvinar–lateralis posterior complex. Infante C, et al. **Exp Neurol** 1982 Jul;77(1):94–101

Retinotectal map formation in dually innervated tecta: a regeneration study in Xenopus with one compound eye following bilateral optic nerve section. Straznicky C, et al. **J Comp Neurol** 1982 Apr 1;206(2):119–30

Further analysis S–R separation effects on visual discrimination performance of normal rhesus monkeys and monkeys with superior colliculus lesions. Kurtz D, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):35–46

Regeneration of optic nerve fibres from a compound eye to both tecta in Xenopus: evidence relating to the state of specification of the eye and the tectum. Gaze RM, et al. **J Embryol Exp Morphol** 1980 Dec;60:125–40

Interactions between compound and normal eye projections in dually innervated tectum: a study of optic nerve regeneration in Xenopus. Straznicky C, et al. **J Embryol Exp Morphol** 1981 Dec;66:159–74

In vitro release of endogenous beta–alanine, GABA, and glutamate, and electrophysiological effect of beta–alanine in pigeon optic tectum. Toggenburger G, et al. **J Neurochem** 1982 Jul;39(1):176–83

Effects of visual cortical lesions on receptive-field properties of single units in superior colliculus of the rabbit. Graham J, et al. **J Neurophysiol** 1982 Feb;47(2):272–86

Lateral spread of neural excitation during microstimulation in intermediate gray layer of cat's superior colliculus. McIlwain JT. **J Neurophysiol** 1982 Feb;47(2):167–78

The role of the tectal column in facilitation of amphibian prey–catching behavior: a neural model. Lara R, et al. **J Neurosci** 1982 Apr;2(4):521–30

Does laminar position determine the receptive field properties of cortical neurons? A study of corticotectal cells in area 17 of the normal mouse and the reeler mutant. Lemmon V, et al. **J Neurosci** 1981 Jan;1(1):83–93

Cerebellar projections to the superior colliculus in the cat. Roldán M, et al. **J Neurosci** 1981 Aug;1(8):827–34

Specificity and plasticity of retinotectal connections: a computational model. Whitelaw VA, et al. **J Neurosci** 1981 Dec;1(12):1369–87

The nature of afferents from the large dorsal neck muscles that project to the superior colliculus in the cat. Abrahams VC, et al. **J Physiol (Lond)** 1981;319:393–401

Compound eyes project stripes on the optic tectum in Xenopus. Fawcett JW, et al. **Nature** 1982 Mar 25; 296(5855):350–1

The representation of auditory space in the mammalian superior colliculus. Palmer AR, et al. **Nature** 1982 Sep 16; 299(5880):248–9

Neurophysiological organization of the superior colliculus pathways related to gaze control. Maeda M, et al. **Neurol Med Chir (Tokyo)** 1981 Jan;21(1):1–10

Participation of interoceptive afferent impulses in polymodal responses of superior collicular neurons in the cat. Pityk NI. **Neurosci Behav Physiol** 1981 May–Jun;11(3):293–8

Effects of DL–alpha–amino adipic acid on Müller cells in frog and chicken retinae in vivo: relation to ERG b wave, ganglion cell discharge and tectal evoked potentials. Bonaventure N, et al. **Neurosci Lett** 1981 Nov 18;27(1):81–7

Labelling of dying neurones by peroxidase injected intravascularly in chick embryos. Clarke PG. **Neurosci Lett** 1982 Jun 30;30(3):223–8

Origins of the projections of the superior colliculus to the dorsal lateral geniculate nucleus and the pulvinar in the rabbit. Graham J, et al. **Neurosci Lett** 1981 Oct 23; 26(2):101–6

Neurones situated outside the isthmo–optic nucleus and projecting to the eye in adult birds. Hayes BP, et al. **Neurosci Lett** 1981 Oct 23;26(2):107–12

Removal of retinal input fails to elicit isthmo–tectal sprouting in the frog. Udin SB, et al. **Neurosci Lett** 1981 Dec 11; 27(2):107–11

Effects of illumination on activity following superior colliculus and caudate lesions in young and older rats. Delay ER. **Physiol Behav** 1981 Oct;27(4):673–82

Interocular transfer in albino rats as a function of forebrain or forebrain plus midbrain commissurotomy. Hottman TJ, et al. **Physiol Behav** 1981 Aug;27(2):279–85

Do lesions of the superior colliculus affect acoustic orientation in echolocating bats? Wenstrup JJ, et al. **Physiol Behav** 1981 Nov;27(5):835–9

Visual discrimination learning in rats with lesions of superior colliculus: door–push and approach errors in modified jumping stand. Dean P, et al. **Q J Exp Psychol [B]** 1981 Aug;33(Pt 3):141–57

Single–cell responses to bar width and to sine–wave grating frequency in the pigeon optic tectum. Jassik–Gerschenfeld D, et al. **Vision Res** 1981;21(5):745–7

[Influence of visual telencephalon (wulst) on directional selective neurons of pigeon's optic tectum (author's transl)] Leresche N, et al. **C R Seances Acad Sci [III]** 1982 May 3;294(16):833–6 (Eng. Abstr.) **(Fre)**

[Possible model representations of the neurophysiologic mechanisms of analysis of the direction and rate of movement of a visual object] Aleinikov IuP, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1201–7 **(Rus)**

[Visual information coding in the frog midbrain tectum] Kogan AB, et al. **Neirofiziologiia** 1982;14(1):26–34 (Eng. Abstr.) **(Rus)**

[Activation response to photic stimulation in normal cats and after transection of the afferent pathways of the mesencephalic reticular formation] Lavrov VV, et al. **Neirofiziologiia** 1981;13(5):500–5 (Eng. Abstr.) **(Rus)**

[Plastic changes in responses of chemo– and electro–excitable membranes of a cortical neurons following orthodromal tetanization] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):789–802 (Eng. Abstr.) **(Rus)**

SECRETION

beta–Alanine, a possible neurotransmitter in the visual system? Sandberg M, et al. **J Neurochem** 1981 Nov; 37(5):1353–6

TRANSPLANTATION

Optic fiber development between dual transplants of retina and superior colliculus placed in the occipital cortex. Matthews MA, et al. **Anat Embryol (Berl)** 1982; 163(4):417–33

Transplantation of tectai tissue in rats. II. Distribution of host neurons which project to transplants. Harvey AR, et al. **J Comp Neurol** 1981 Nov 10;202(4):505–20

ULTRASTRUCTURE

A quantitative analysis of the ipsilateral retinocollicular projection in the cat: an EM degeneration and EM autoradiographic study. Behan M. **J Comp Neurol** 1982 Apr 10;206(3):253–8

Superior colliculus neurons which project to the cat lateral posterior nucleus have varying morphologies. Caldwell RB, et al. **J Comp Neurol** 1981 Nov 20;203(1):53–66

[Distribution of the fiber endings running from the superior colliculi of the tectum mesencephali into the visual projection zone (field 17) of the cat cerebrum] Zhvaniia MG. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):16–20 (Eng. Abstr.) **(Rus)**

SUPERIOR MESENTERIC ARTERY SYNDROME see under **DUODENAL OBSTRUCTION**

SUPEROVULATION see under **OVULATION**

SUPEROXIDE see under **OXYGEN**

SUPEROXIDE DISMUTASE

Cytochrome c reduction by semiquinone radicals can be indirectly inhibited by superoxide dismutase. Winterbourn CC. **Arch Biochem Biophys** 1981 Jun;209(1):159–67

An examination of the cyanide derivative of bovine superoxide dismutase with electron–nuclear double resonance. Van Camp HL, et al. **Biochim Biophys Acta** 1982 May 21;704(1):75–89

Structural comparisons of superoxide dismutases. Harris JI, et al. **Eur J Biochem** 1980 May;106(1):297–303

Parallel electrostatic effects in the interactions of superoxide with cytochrome c and with superoxide dismutase. Cudd A, et al. **FEBS Lett** 1982 Jul 19;144(1):181–2

19F–nuclear magnetic relaxation by superoxide dismutase as an enzymic method for the detection of superoxide ion. Rigo A, et al. **FEBS Lett** 1981 Sep 14;132(1):78–80

Amino acid sequence of copper–zinc superoxide dismutase from horse liver. Lerch K, et al. **J Biol Chem** 1981 Nov 25;256(22):11545–51

A study of the electron paramagnetic resonance properties of single monoclinic crystals of bovine superoxide dismutase. Lieberman RA, et al. **J Biol Chem** 1982 Jan 10;257(1):336–44

[Influence of superoxide dismutase on photo– and x–ray chemoluminescence of serum albumin and glycyltryptophan solutions] Sapezhinskii II, et al. **Biofizika** 1981 Nov–Dec;26(6):1097–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Drug trial of superoxide dismutase in Duchenne's muscular dystrophy. Stern LZ, et al. **Arch Neurol** 1982 Jun; 39(6):342–6

ANALYSIS

Luminol assay for superoxide dismutase. Bensinger RE, et al. **Anal Biochem** 1981 Sep 1;116(1):142–5

Absence of the iron–containing superoxide dismutase in mitochondria from mustard (Brassica campestris). Salin ML, et al. **Biochem J** 1981 Apr 1;195(1):229–33

Copper– and zinc–containing superoxide dismutase, manganese–containing superoxide dismutase, catalase, and glutathione peroxidase in normal and neoplastic human cell lines and normal human tissues. Marklund SL, et al. **Cancer Res** 1982 May;42(5):1955–61

A computer program using Gaussian fitting for evaluation of two–dimensional gels. Brown WT, et al. **Clin Chem** 1982 Apr;28(4 Pt 2):1041–4

[The significance of superoxide dismutase in the development of the post–irradiation syndrome. II. Determination of superoxide dismutase activity in rat tissues] Kovářová H, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981; 24(1):73–9 (Eng. Abstr.) **(Cze)**

[Superoxide dismutase in the epidermis (author's transl)] Ohkuma N, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Apr; 92(5):583–90 **(Jpn)**

[A study on the lipid peroxide and its scavenging enzymes in rheumatoid arthritis (author's transl)] Kaneda H. **Nippon Seikeigeka Gakkai Zasshi** 1982 May;56(5):387–97 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inactivation of the human CuZn superoxide dismutase during exposure to O–2 and H2O2. Sinet PM, et al. **Arch Biochem Biophys** 1981 Dec;212(2):411–6

Inhibition of rat heart superoxidase dismutase activity by diethyldithiocarbamate and its effect on mitochondrial function. Guarnieri C, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2174–6

Diminution of mouse epidermal superoxide dismutase and catalase activities by tumor promoters. Solanki V, et al. **Carcinogenesis** 1981;2(11):1141–6

In vivo & in vitro inhibition of mung bean superoxide dismutase by cupferron. Ahuja BS, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):86–7

Protection by superoxide dismutase, catalase, and poly(ADP–ribose) synthetase inhibitors against alloxan– and streptozotocin–induced islet DNA strand breaks and against the inhibition of proinsulin synthesis. Uchigata Y, et al. **J Biol Chem** 1982 Jun 10;257(11):6084–8

Probable superoxide therapy of experimental cancer with D–penicillamine. Okuyama S, et al. **Tohoku J Exp Med** 1981 Oct;135(2):215–6

BIOSYNTHESIS

Biosynthesis of mitochondrial manganese superoxide dismutase in saccharomyces cerevisiae. Precursor form of mitochondrial superoxide dismutase made in the cytoplasm. Autor AP. **J Biol Chem** 1982 Mar 10;257(5):2713–8

The effect of bacterial endotoxin on synthesis of (Cu,Zn)superoxide dismutase in lungs of oxygen–exposed rats. Hass MA, et al. **J Biol Chem** 1982 Aug 25; 257(16):9379–83

BLOOD

Ceruloplasmin levels and erythrocyte superoxide dismutase activity in small preterm infants during the early anemia of prematurity. Hågå P. **Acta Paediatr Scand** 1981 Nov; 70(6):861–4

Superoxide dismutases and the oxidative burst in human blood polymorphonuclear leukocytes. Torres M, et al. **Adv Exp Med Biol** 1982;141:429–40

A water 17O NMR study of the pH dependent properties of superoxide dismutase. Bertini I, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):577–83

Enzymatic changes in rat erythrocytes with increasing cell and donor age: loss of superoxide dismutase activity associated with increases in catalytically defective forms. Glass GA, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1245–53

Superoxide dismutase, glutathione peroxidase and catalase in oxidative hemolysis. A study of Fanconi's anemia erythrocytes. Mavelli I, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):286–90

Anion binding to the four–copper form of bovine erythrocyte superoxide dismutase: Mechanistic implications. Strothkamp KG, et al. **Biochemistry** 1981 Dec 22; 20(26):7488–93

Enzymes of oxygen metabolism during erythrocyte differentiation. Russanov EM, et al. **Biosci Rep** 1981 Dec; 1(12):927–31

Absence of abnormal erythrocyte superoxide dismutase, copper, or zinc levels in patients with retinitis pigmentosa. Crouch RK, et al. **Br J Ophthalmol** 1982 Jul;66(7):417–21

DNA repair after gamma radiation and superoxide dismutase activity in lymphocytes from subjects of far advanced age. Licastro F, et al. **Carcinogenesis** 1982;3(1):45–8

Superoxide dismutase, catalase and glutathione peroxidase in infantile, late infantile and juvenile neuronal ceroid–lipofuscinosis. Marklund SL, et al. **Clin Chim Acta** 1981 Oct 26;116(2):191–8

A comparative study of superoxide dismutase, catalase and lipid peroxidation in red blood cells from muscular dystrophy patients and normal controls. Matkovics B, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):289–92

Determination of true specific activity of superoxide dismutase in human erythrocytes. Saito T, et al. **Clin Sci** 1982 Sep;63(3):251–5

A relationship between thiols and the superoxide ion. McNeil CJ, et al. **FEBS Lett** 1981 Oct 12;133(1):175–7

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with trypsin and chymotrypsin. Barra D, et al. **Ital J Biochem** 1982 Jan–Feb; 31(1):28–38

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with Staphylococcus aureus protease, determination of the N-terminal blocking group and location of the disulfide bond. Martini F, et al. **Ital J Biochem** 1982 Jan–Feb;31(1):39–47

Hydrogen peroxide metabolism in human monocytes during differentiation in vitro. Nakagawara A, et al. **J Clin Invest** 1981 Nov;68(5):1243–52

Superoxide dismutase (SOD) in mouse red blood cells infected with Plasmodium berghei. Suthipark U, et al. **J Parasitol** 1982 Apr;68(2):337–9

Aging of the erythrocyte. X. Immunoelectrophoretic studies on the denaturation of superoxide dismutase. Bartosz G, et al. **Mech Ageing Dev** 1981 Nov;17(3):237–51

Quantitation of human cuprozinc superoxide dismutase (SOD–1) by radioimmunoassay and its possible significance in disease. Del Villano BC, et al. **Methods Enzymol** 1981; 74 Pt C:359–70

Pressure variation of enzymatic reaction rates: IV. Xanthine oxidase and superoxide dismutase. Morild E, et al. **Physiol Chem Phys** 1981;13(6):483–91

Superoxide dismutase and glutathione peroxidase abnormalities in erythrocytes and lymphoid cells in Down syndrome. Frischer H, et al. **Prog Clin Biol Res** 1981; 55:269–89

[The importance of superoxide dismutase in the development of the post-irradiation syndrome. VII. Effect of radioprotection and therapy on superoxide dismutase activity in the erythrocytes of irradiated dogs] Kovářová H, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981; 24(3):279–88 (Eng. Abstr.) **(Cze)**

[Superoxide dismutase activity of polymorphonuclear leukocytes in newborn infants] Balla G, et al. **Acta Paediatr Acad Sci Hung** 1981;22(3):201–9 **(Ger)**

[Superoxide-dismutase and superoxide-radical-release in rheumatoid arthritis (author's transl)] Rister M, et al. **Klin Wochenschr** 1982 Jun 1;60(11):561–5 (Eng. Abstr.) **(Ger)**

GENETICS

Localization and quantitation of human superoxide dismutase using computerized 2-D gel electrophoresis. Brown WT, et al. **Biochem Biophys Res Commun** 1981 Sep 30; 102(2):675–81

Superoxide dismutases: exploration of apparent anomalies: a gene transfer and a functional replacement. Fridovich I. **Biochem Soc Trans** 1982 Apr;10(2):67–8

Moderate Down's syndrome in three siblings having partial trisomy 21q22.2 to qter and therefore no SOD–1 excess. Habedank M, et al. **Hum Genet** 1982;60(1):74–7

Mouse mitochondrial superoxide dismutase locus is on chromosome 17. Szymura JM, et al. **Immunogenetics** 1981; 14(3–4):231–40

Superoxide dismutase in Drosophila melanogaster: biochemical and structural characterization of allozyme variants. Lee YM, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7052–5

Human cytoplasmic superoxide dismutase cDNA clone: a probe for studying the molecular biology of Down syndrome. Lieman-Hurwitz J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2808–11

ISOLATION & PURIFICATION

A rapid whole-cell assay for superoxide dismutase. Whitelam GC, et al. **Anal Biochem** 1982 Mar 15;121(1):207–12

Isolation and characterization of the iron-containing superoxide dismutase of Methanobacterium bryantii. Kirby TW, et al. **Arch Biochem Biophys** 1981 Aug;210(1):140–8

Purification and properties of superoxide dismutase from bovine retina. Bensinger RE, et al. **Exp Eye Res** 1982 Apr; 34(4):623–34

Rat liver Cu,Zn-superoxide dismutase. Subcellular location in lysosomes. Geller BL, et al. **J Biol Chem** 1982 Aug 10; 257(15):8945–52

Copper–zinc superoxide dismutase from Caulobacter crescentus CB15. A novel bacteriocuprein form of the enzyme. Steinman HM. **J Biol Chem** 1982 Sep 10; 257(17):10283–93

[Intracellular localization, isolation and characteristics of superoxide dismutase from Propionibacterium globosum] Kraeva NI, et al. **Prikl Biokhim Mikrobiol** 1981 Nov–Dec; 17(6):837–43 (Eng. Abstr.) **(Rus)**

METABOLISM

Inhibition of linoleate oxidation by superoxide dismutase. Valenzuela A, et al. **Acta Cient Venez** 1980;31(3):216–8

Studies on superoxide dismutase activity and modulation of nitrofurantoin resistance by hyperbaric oxygen in Vibrio el tor. Ghosh S, et al. **Acta Microbiol Pol** 1981;30(4):319–25

Iron-ethylenediaminetetraacetic acid (EDTA)-catalyzed superoxide dismutation revisited: an explanation of why the dismutase activity of Fe-EDTA cannot be detected in the cytochrome c/Xanthine oxidase assay system. Bull C, et al. **Arch Biochem Biophys** 1982 May;215(2):551–5

Metal-deficient copper–zinc superoxide dismutases. Jewett SL, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):116–28

Effect of CuSO4 and Cu(II)(Gly)2 on some indirect assays for superoxide dismutase activity. Russanov EM, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):222–9

Changes of the activities of superoxide dismutase after exposure to the fume of heavy metals and the significance of zinc in the tissue. Minami M, et al. **Arch Toxicol** 1982 Mar;49(3–4):215–25

Pulmonary oxygen toxicity: lack of tolerance of mice of various ages. Lanir A, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1193–9

Correlation between superoxide dismutase, glutathione peroxidase and catalase in isolated rat hepatocytes during fetal development. Mavelli I, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):911–6

Leishmanial superoxide dismutase: a possible target for chemotherapy. Meshnick SR, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):970–6

Preparation of selectively metal–free and metal–substituted derivatives by reaction of Cu—Zn superoxide dismutase with diethyldithiocarbamate. Cocco D, et al. **Biochem J** 1981 Dec 1;199(3):675–80

CuZn-superoxide dismutase, Mn-superoxide dismutase, catalase and glutathione peroxidase in pancreatic islets and other tissues in the mouse. Grankvist K, et al. **Biochem J** 1981 Nov 1;199(2):393–8

Superoxide dismutase, glutathione peroxidase and catalase in developing rat brain. Mavelli I, et al. **Biochem J** 1982 May 15;204(2):535–40

Regulation of manganese superoxide dismutase by oxygen in Saccharomyces cerevisiae. Autor AP. **Biochem Soc Trans** 1982 Apr;10(2):75–7

Succinylated copper, zinc superoxide dismutase. A novel approach to the problem of active subunits. Marmocchi F, et al. **Biochemistry** 1982 Jun 8;21(12):2853–6

Superoxide dismutase activity of macrocyclic polyamine complexes. Kimura E, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):172–9

Interaction of superoxide dismutase with phospholipid liposomes. An uptake, spin label and calorimetric study. Lepock JR, et al. **Biochim Biophys Acta** 1981 Nov 20; 649(1):45–57

Superoxide dismutase from the Archaebacterium Thermoplasma acidophilum. Searcy KB, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):39–46

Isolation and characterization of a protein with cyanide-sensitive superoxide dismutase activity from the prokaryote, Paracoccus denitrificans. Vignais PM, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):305–17

Regional distribution of superoxide dismutase in rat brain during postnatal development. Ledig M, et al. **Brain Res** 1982 Jul;256(3):333–7

Correlation between the loss of the transformed phenotype and an increase in superoxide dismutase activity in a revertant subclone of sarcoma virus-infected mammalian cells. Fernandez-Pol JA, et al. **Cancer Res** 1982 Feb; 42(2):609–17

Inhibition of bleomycin-induced DNA breakage by superoxide dismutase. Galvan L, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5103–6

Superoxide dismutase in various tissues from rabbits bearing the Vx-2 carcinoma in the maxillary sinus. Takada Y, et al. **Cancer Res** 1982 Oct;42(10):4233–5

Superoxide dismutase, catalase, and glutathione peroxidase in the swim bladder of the physoclistous fish, Opsanus tau L. Morris SM, et al. **Cell Tissue Res** 1981;220(4):739–52

A remarkable increase of superoxide dismutase activity in synovial fluid of patients with rheumatoid arthritis. Igari T, et al. **Clin Orthop** 1982 Jan–Feb;(162):282–7

The distribution of peroxide regulating enzymes in the canine eye. Armstrong D, et al. **Curr Eye Res** 1981;1(4):225–42

Superoxide dismutase activity in the intestine of the streptozotocin-diabetic rat. Loven DP, et al. **Endocrinology** 1982 Sep;111(3):737–42

Rat lens superoxide dismutase and glucose-6-phosphate dehydrogenase: studies on the catalytic activity and the fate of enzyme antigen as a function of age. Dovrat A, et al. **Exp Eye Res** 1981 Dec;33(6):651–61

Effect of cuprizone feeding on hepatic superoxide dismutase and cytochrome oxidase activities in mice. De AK, et al. **Experientia** 1982 Jul 15;38(7):784–5

Adipocytes do not falsify the superoxide theory of oxygen toxicity. Bannister WH, et al. **FEBS Lett** 1982 Jun 1; 142(1):42–3

In vivo cooperation between hepatic catalase and superoxide dismutase demonstrated by diethyldithiocarbamate. Geerts A, et al. **FEBS Lett** 1982 Apr 19;140(2):245–7

Superoxide-dependent formation of hydroxyl radicals in the presence of thiol compounds. Rowley DA, et al. **FEBS Lett** 1982 Feb 8;138(1):33–6

Superoxide dismutase activity in two different wild-type strains of Drosophila melanogaster. Massie HR, et al. **Gerontology** 1981;27(4):205–8

Superoxide dismutase activities in aging rat brain. Vanella A, et al. **Gerontology** 1982;28(2):108–13

Superoxide dismutase activity in the cochlea. Pierson MG, et al. **Hear Res** 1982–Feb;6(2):141–51

Distribution of superoxide dismutase, catalase, and peroxidase activities among Treponema pallidum and other spirochetes. Austin FE, et al. **Infect Immun** 1981 Aug; 33(2):372–9

Studies on superoxide dismutase from cod (Gadus morhua) liver. Bartkowiak A, et al. **Int J Biochem** 1981; 13(9):1039–42

Oxygen Enhancement of bactericidal activity of rifamycin SV on Escherichia coli and aerobic oxidation of rifamycin SV to rifamycin S catalyzed by manganous ions: the role of superoxide. Kono Y. **J Biochem (Tokyo)** 1982 Jan; 91(1):381–95

A flash-photometric method for determination of reactivity of superoxide: application to superoxide dismutase assay. Takahashi M, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):889–96

Protective role of superoxide dismutase against diabetogenic drugs. Gandy SE, et al. **J Clin Invest** 1982 Sep;70(3):650–8

Catalysis of the disproportionation of superoxide by metalloporphyrins. III. Pasternack RF, et al. **J Inorg Biochem** 1981 Nov;15(3):261–7

Effect of sample preparation on analysis of superoxide dismutase activity and isoenzymes. Stein TN, et al. **J Inorg Biochem** 1982 Feb;16(1):71–7

The effect of electron transport on the kinetics of the manganese-containing superoxide dismutase from Bacillus stearothermophilus. Bugrii GV, et al. **J Theor Biol** 1981 May 21;90(2):161–7

Superoxide dismutase. Sychłowy A. **Mater Med Pol** 1981 Apr–Jun;13(2):100–3

Superoxide dismutase in Didymium iridis: characterization and changes in activity during senescence and sporulation. Lott T, et al. **Mech Ageing Dev** 1981 Oct;17(2):119–30

Retinal superoxide dismutase activity in newborn kittens exposed to normobaric hyperoxia: effect of vitamin E. Bougle D, et al. **Pediatr Res** 1982 May;16(5):400–2

Pulmonary superoxide dismutase activity in the euthyroid and hypothyroid ovine fetus. Erenberg A, et al. **Pediatr Res** 1982 Jul;16(7):570–2

Pharmacokinetic properties of polyethylene glycol derivatized superoxide dismutase. Boccù E, et al. **Pharmacol Res Commun** 1982 Feb;14(2):113–20

Superoxide dismutase levels in various radioresistant and radiosensitive tissues of irradiated rats. Křižala J, et al. **Physiol Bohemoslov** 1982;31(2):151–7

Polyamines modify paraquat-induced changes in pulmonary superoxide dismutase and lipid peroxidation. Khanna YP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):337–40

[Increase in dismutase activity in splenic leukocytes of mice sensitive to BCG and Mycobacterium lepraemurium] Stach JL, et al. **C R Seances Acad Sci [III]** 1981 Nov 16; 293(10):575–8 (Eng. Abstr.) **(Fre)**

[The importance of the superoxide dismutases in histochemistry of dehydrogenases (author's transl)] Seidler E. **Acta Histochem (Jena)** 1982;70(1):106–14 (Eng. Abstr.) **(Ger)**

[Activity of antioxidative enzymes of the myocardium during ischemia] Gutkin DV, et al. **Biull Eksp Biol Med** 1982 Jan; 93(1):33–5 (Eng. Abstr.) **(Rus)**

[Age and changes in the superoxide dismutase and glutathione peroxidase activity of liver cytosol and mitochondria] Lankin VZ, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):310–1 (Eng. Abstr.) **(Rus)**

[Enzymes of the detoxication of active forms of oxygen and lipoperoxides in experimental ischemia and myocardial infarct] Lankin VZ, et al. **Biull Eksp Biol Med** 1982 May; 93(5):58–60 (Eng. Abstr.) **(Rus)**

[Effect of hyperoxia on superoxide dismutase and glutathione lipoperoxidase activity in mouse tissues] Lankin VZ, et al. **Dokl Akad Nauk SSSR** 1981;259(1):229–31 **(Rus)**

[Superoxide dismutase, catalase and peroxidase of propionic acid bacteria] Kraeva NI, et al. **Mikrobiologiia** 1981 Sep–Oct;50(5):813–7 (Eng. Abstr.) **(Rus)**

[Effect of oxygen and substrates for growth on the superoxide dismutase and catalase activity of microorganisms] Kulakova SM, et al. **Mikrobiologiia** 1982 Jan–Feb; 51(1):21–6 (Eng. Abstr.) **(Rus)**

[Superoxide radical and superoxide dismutase in the free-radical theory of aging (a review)] Gusev VA, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):8–25 (140 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of free-radical scavengers on enumeration of thermally stressed cells of Staphylococcus aureus MF–31. Bucker ER, et al. **Appl Environ Microbiol** 1982 May;43(5):1020–5

Superoxide dismutase requires ascorbate for activation of cerebral soluble guanylate cyclase. Yoshikawa K, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):927–33

Reactions of Adriamycin with haemoglobin. Superoxide dismutase indirectly inhibits reactions of the Adriamycin semiquinone. Bates DA, et al. **Biochem J** 1982 Apr 1; 203(1):155–60

Effects of superoxide dismutase and catalase on catalysis of 6-hydroxydopamine and 6-aminodopamine autoxidation by iron and ascorbate. Sullivan SG, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2279–85

Red cell lysis induced by microorganisms as a case of superoxide- and hydrogen peroxide-dependent hemolysis mediated by oxyhemoglobin. Falcioni GC, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):437–41

Effect of superoxide dismutase on the chromosomal instability of New Zealand black mice. Emerit I, et al. **Cytogenet Cell Genet** 1981;30(2):65–9

Radiation-induced inhibition of human lymphocyte blastogenesis: the effect of superoxide dismutase and catalase. Knox SJ, et al. **Int J Radiat Biol** 1982 Mar; 41(3):283–94

Superoxide dismutase plus catalase enhances the efficacy of hypothermic cardioplegia to protect the globally ischemic, reperfused heart. Shlafer M, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):830–9

Effect of superoxide dismutase on the surface potential disorders of mitochondria treated with ultraviolet light exposed methyl linoleate. Ogura R, et al. **Kurume Med J** 1981;28(1):1–8

Photoperoxidation in lens and cataract formation: preventive role of superoxide dismutase, catalase and vitamin C. Varma SD, et al. **Ophthalmic Res** 1982;14(3):167–75

Effects of superoxide dismutase on lipopolysaccharide-stressed mice and alteration of lung enzyme levels by endotoxin. Gray B. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):479–84

The effect of superoxide dismutase on paraquat mortality in mice and rats. Patterson CE, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):65–72

PHYSIOLOGY

Chemistry and biochemistry of superoxide dismutases. Hassan HM, et al. **Eur J Rheumatol Inflamm** 1981;4(2):160–72

Oxygen, oxidases, and the essential trace metals. Hill HA. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):119–28

[The biological importance of superoxide dismutase] Křižala J. **Cesk Fysiol** 1981;30(4):327–39 (85 ref.) **(Cze)**

[Physiological and pathophysiological significance of superoxide-radicals and the regulatory role of the enzyme superoxide dismutase (author's transl)] Nohl H. **Klin Wochenschr** 1981 Oct 1;59(19):1081–91 (Eng. Abstr.) **(Ger)**

[Functional role of the superoxide radical and superoxide dismutase in formed blood elements] Gusev VA. **Probl Gematol Pereliv Krovi** 1981 Dec;26(12):34–8 (52 ref.) **(Rus)**

RADIATION EFFECTS

Extension of kinetic model for superoxide dismutase inactivation to the irradiated manganese tetramer. Chuaqui CA, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):994–8

Concentration-dependent inactivation of superoxide dismutase. Chelack WS, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):83–90

Radiation-induced inactivation of superoxide dismutase in nitrous oxide-saturated solutions. A kinetic model. Chuaqui CA, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):112–6

[The significance of superoxide dismutase in the development of th post-irradiation syndrome. VI. The effect of cystamine on superoxide dismutase activity in the erythrocytes of irradiated and non-irradiated rats] Kratochvílová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(2):261–8 (Eng. Abstr.) **(Cze)**

[The significance of superoxide dismutase in the development of the post-irradiation syndrome. IV. Superoxide dismutase activity in erythrocytes of irradiated rats and dogs] Kratochvílová V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):91–8 (Eng. Abstr.) **(Cze)**

[The significance of superoxide dismutase in the development of the post-irradiation syndrome. III. Superoxide dismutase activity in the liver and bone marrow of irradiated rats] Křižala J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(1):81–9 (Eng. Abstr.) **(Cze)**

[The significance of superoxide dismutase in the development of the post-irradiation syndrome. V. The effect of cystamine on superoxide dismutase activity in the bone marrow of irradiated and non-irradiated rats] Křižala J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981; 24(2):251–9 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Effects of catalase, peroxidase, superoxide dismutase and 10 scavengers of oxygen radicals in carrageenin edema and in adjuvant arthritis of rats. Hirschelmann R, et al. **Experientia** 1981 Dec 15;37(12):1313–4

Superoxide dismutase is a prophylactic against alloxan diabetes. Grankvist K, et al. **Nature** 1981 Nov 12; 294(5837):158–60

[Mechanism of the therapeutic effect of exogenous superoxide dismutase: findings and prospects] Flohé L, et al. **Eur J Rheumatol Inflamm** 1981;4(2):183–200 (Eng. Abstr.) **(Ger)**

[Treatment of gonarthrosis] Finkbeiner GF, et al. **Med Klin [Prax]** 1982 Feb 12;77(4):48–52, 72 (Eng. Abstr.) **(Ger)**

SUPERSTITIONS

Protohistoric hepatomancy: an oracular form of pathology. Kuttner RE. **Proc Inst Med Chic** 1982 Jan–Mar;35(1):14

SUPPOSITORIES

The influence of drugs on the physical stability of fatty suppositories. Yoshino H, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):992–1001

[Characterization of storage-induced release reductions in suppositories (author's transl)] Voigt R, et al. **Pharmazie** 1981 Sep;36(9):631–3 (Eng. Abstr.) **(Ger)**

[Disintegration of vaginal tablets used in Hungary and critical evaluation of control methods. Proposal for the application of a new control method] Keseru P, et al. **Acta Pharm Hung** 1982 Mar;52(2):76–80 (Eng. Abstr.) **(Hun)**

ADVERSE EFFECTS

The cut finger syndrome—Intercept vaginal suppositories [letter] Ponte CD. **Drug Intell Clin Pharm** 1981 Apr; 15(4):292

SUPPRESSION, GENETIC

Informational suppression as a tool for the investigation of gene structure and function. Glass RE, et al. **Biochem J** 1982 Apr 1;203(1):1–13 (154 ref.)

Further characterization of recessive suppression in yeast. Isolation of the low-temperature sensitive mutant of Saccharomyces cerevisiae defective in the assembly of 60 S ribosomal subunit. Surguchov AP, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):149–55

Direct measurement of absolute suppressor efficiency. Nene V, et al. **Biosci Rep** 1981 Jul;1(7):571–4

Four-base codons ACCA, ACCU and ACCC are recognized by frameshift suppressor sufJ. Bossi L, et al. **Cell** 1981 Aug; 25(2):489–96

Structure and properties of a bovine liver UGA suppressor serine tRNA with a tryptophan anticodon. Diamond A, et al. **Cell** 1981 Aug;25(2):497–506

Mutants of Su+7 tRNA include a functional tRNA with an altered T pseudo uracil CG sequence. Yarus M, et al. **Cell** 1981 Sep;25(3):815–23

Genetic analysis of tumorigenesis. VIII. Suppression of SV40 transformation in cell hybrids and cytoplasmic transferants. Howell N, et al. **Cytogenet Cell Genet** 1981;31(4):214–27

Molecular cloning of the SUF2 frameshift suppressor gene from Saccharomyces cerevisiae. Cummins CM, et al. **Gene** 1981 Sep;14(4):263–78

The recovery and preliminary examination of a temperature sensitive suppressor of the cryptocephal mutant of Drosophila melanogaster. Sparrow JC. **Genet Res** 1981 Dec;38(3):297–314

Genes in Neurospora that suppress recombination when they are heterozygous. Catcheside DE. **Genetics** 1981 May; 98(1):55–76

Nucleocytoplasmic relations in a mutator-suppressor system of Drosophila ananassae. Hinton CW. **Genetics** 1981 May; 98(1):77–90

A second informational suppressor, SUP-7 X, in Caenorhabditis elegans. Waterston RH. **Genetics** 1981 Feb; 97(2):307–25

An amber mutation in a ribosomal protein gene: ineffective suppression stimulates operon-specific transcription. Delcuve G, et al. **J Bacteriol** 1981 Sep;147(3):997–1001

Polarity in the glnA operon: suppression of the reg- phenotype by rho mutations. Guterman SK, et al. **J Bacteriol** 1982 Jun;150(3):1314–21

Analysis of btuB receptor function by use of nonsense suppression. Hunter MG, et al. **J Bacteriol** 1982 Sep; 151(3):1591–4

Defective specialized SP beta transducing bacteriophages of Bacillus subtilis that carry the sup-3 or sup-44 gene. Lipsky RH, et al. **J Bacteriol** 1981 Dec;148(3):1012–5

Suppression of Escherichia coli dnaA46 mutations by integration of plasmid R100.1. derivatives: constraints imposed by the replication terminus. Louarn J, et al. **J Bacteriol** 1982 Aug;151(2):657–67

'Start' mutants of Saccharomyces cerevisiae are suppressed in carbon catabolite-derepressing medium. Shuster JR. **J Bacteriol** 1982 Aug;151(2):1059–61

Localization and processing of outer membrane and periplasmic proteins in Escherichia coli strains harboring export-specific suppressor mutations. Emr SD, et al. **J Biol Chem** 1982 May 25;257(10):5852–60

rho Factors from polarity suppressor mutants with defects in their RNA interactions. Richardson JP, et al. **J Biol Chem** 1982 May 25;257(10):5767–71

The agouti suppressor (As) coat color mutation in mice: developmental effects on the expression of agouti locus alleles. Poole TW. **J Exp Zool** 1982 Mar 1;220(1):57–64

Correspondence of yeast UAA suppressors to cloned tRNASerUCA genes. Broach JR, et al. **J Mol Biol** 1981 Aug 15;150(3):375–87

Altered ribosomal protein S11 from the SUP46 suppressor of yeast. Ishiguro J, et al. **J Mol Biol** 1981 Apr 15; 147(3):391–7

Large deletion mutants of Escherichia coli tRNATyr1. McCorkle GM, et al. **J Mol Biol** 1982 Feb 25;155(2):83–103

Misreading of the ribosomal suppressor SUP46 due to an altered 40 S subunit in yeast. Masurekar M, et al. **J Mol Biol** 1981 Apr 15;147(3):381–90

Restricted wobble in UGA codon recognition by glycine tRNA suppressors of UGG. Murgola EJ. **J Mol Biol** 1981 Jun 15;149(1):1–13

Serine-inserting UAA suppression mediated by yeast tRNASer. Ono BI, et al. **J Mol Biol** 1981 Aug 15; 150(3):361–73

Serine insertion caused by the ribosomal suppressor SUP46 in yeast. Ono BI, et al. **J Mol Biol** 1981 Apr 15;147(3):373–9

Genetic studies on capsid-length determination in bacteriophage T4. I. Isolation and partial characterization of second-site revertants of a gene 23 mutation affecting capsid length. Doherty DH. **J Virol** 1982 Aug;43(2):641–54

Genetic studies on capsid-length determination in bacteriophage T4. II. Genetic evidence that specific protein-protein interactions are involved. Doherty DH. **J Virol** 1982 Aug;43(2):655–63

Thymine inhibits suppression by an Escherichia coli nonsense and frameshift suppressor. Cheung PK, et al. **MGG** 1982; 186(2):217–20

Nonsense suppression in aminoacyl-t-RNA limited cells. Gallant J, et al. **MGG** 1982;186(2):221–7

Suppression of the lexC (ssbA) mutation of Escherichia coli by a mutant of bacteriophage P1. Johnson BF. **MGG** 1982; 186(1):122–6

Suppression of maltose-negative phenotype by a specific nuclear gene (PMU1) in the petite cells of the yeast Saccharomyces cerevisiae. Khan NA. **MGG** 1982; 186(1):40–3

An amber mutation in the gene rpsA for ribosomal protein S1 in Escherichia coli. Kitakawa M, et al. **MGG** 1982; 185(3):445–7

Replication control functions of plasmid R1 act as inhibitors of expression of a gene required for replication. Light J, et al. **MGG** 1981;184(1):56–61

Physical arrangement of suppressor-sensitive mutations of Bacillus phage M2. Matsumoto K, et al. **MGG** 1981; 184(2):180–2

Intergenic suppressors of temperature-sensitive sporulation in Bacillus subtilis are allele non-specific. Sharrock RA, et al. **MGG** 1981;183(3):532–7

Intergenic suppression of the black mutation of Drosophila melanogaster. Sherald AF. **MGG** 1981;183(1):102–6

Genetic map of the crown gall suppressive IncW plasmid pSa. Tait RC, et al. **MGG** 1982;186(1):10–5

Ribosomal recessive suppressors cause a respiratory deficiency in yeast Saccharomyces cerevisiae. Ter-Avanesyan MD, et al. **MGG** 1982;185(2):319–23

A suppressor of temperature-sensitive rna mutations that affect mRNA metabolism in Saccharomyces cerevisiae. Pearson NJ, et al. **Mol Cell Biol** 1982 May;2(5):571–77

Endogenous read-through of a UGA termination codon in a Saccharomyces cerevisiae cell-free system: evidence for involvement of both a mitochondrial and a nuclear tRNA. Tuite MF, et al. **Mol Cell Biol** 1982 May;2(5):490–7

Construction of a functional human suppressor tRNA gene: an approach to gene therapy for beta-thalassaemia. Temple GF, et al. **Nature** 1982 Apr 8;296(5857):537–40

Compilation of mutant suppressor tRNA sequences. Celis JE, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):r83–91

Primary structure of an unusual glycine tRNA UGA suppressor. Prather NE, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6421–8

Yeast ochre suppressor SUQ5-ol is an altered tRNA Ser UCA. Waldron C, et al. **Nucleic Acids Res** 1981 Jul 10; 9(13):3077–88

R-factor-mediated suppression of the galactose-sensitive phenotype of Escherichia coli K-12 galE Mutants. Fietta A, et al. **Plasmid** 1981 Jul;6(1):78–85

Nucleotide sequence of the SUF2 frameshift suppressor gene of Saccharomyces cerevisiae. Cummins CM, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3565–9

Inversions between ribosomal RNA genes of Escherichia coli. Hill CW, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7069–72

Nucleotide insertion in the anticodon loop of a glycine transfer RNA causes missense suppression. Prather NE, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7408–11

A regulatory mechanism for flagellar function is revealed by suppressor analysis in Chlamydomonas. Luck DJ, et al. **Prog Clin Biol Res** 1982;80:159–64

Suppression of spontaneous lymphoma by previously undiscovered dominant genes in crosses of high- and low-incidence mouse strains. Chen S, et al. **Virology** 1982 Apr 15;118(1):76–85

Nonsense suppressor mutants of bacteriophage T5. Macaluso A, et al. **Virology** 1982 Feb;117(1):275–9

Extragenic suppression of temperature-sensitive mutations in RNA segment 8 by replacement of different rna segments with those of other influenza A virus prototype strains. Scholtissek C, et al. **Virology** 1982 Apr 15;118(1):28–34

[Increase in the number of ribosomal subparticles in yeast strains bearing non-sense-suppressor mutations] Fominykh ES, et al. **Biol Nauki** 1982;(3):13–6 **(Rus)**

DRUG EFFECTS

Ribosomal suppressors and antisuppressors in Podospora anserina: altered susceptibility to paromomycin and relationships between genetic and phenotypic suppression. Coppin-Raynal E. **Biochem Genet** 1981 Aug; 19(7–8):729–40

[Effect of cycloheximide on the expression of mutation in the sup2 gene of Saccharomyces cerevisiae yeasts] Ter-Avanesian MD, et al. **Genetika (Moskva)** 1982 Feb; 18(2):223–6 **(Rus)**

RADIATION EFFECTS

A system for measuring the frequencies of tandem and non-tandem double base substitutions induced by ultraviolet irradiation. Dunst RW, et al. **MGG** 1981; 184(3):445–9

SUPPRESSOR CELLS

Modulation of pokeweed-mitogen-induced immunoglobulin secretion by human bronchoalveolar cells. Lawrence EC, et al. **Am Rev Respir Dis** 1982 Aug;126(2):248–52

Suppressor T-cell clones derived from pluripotent stem cells (CFU-GEMM) of a patient with Hodgkin's lymphoma. Fauser AA, et al. **Blut** 1982 Aug;45(2):97–102

Neutropenia associated with excess of T cell lymphocytes. Delforge A, et al. **Br J Haematol** 1981 Nov;49(3):488–9

Age-dependent changes of the levels of suppressor and helper T cells in New Zealand black mice. Imai Y, et al. **Jpn J Exp Med** 1980 Dec;50(6):415–21

Coexisting suppressor cells for myeloid colony formation in the bone marrow of patients with aplastic anaemia. Hinterberger W, et al. **Scand J Haematol** 1981 Apr; 26(4):345–50

ANALYSIS

Differences in spleen suppressor cell content in rats with progressing and regressing tumors. Hollingsworth MA, et al. **JNCI** 1982 Jul;69(1):53–8

Expression of endogenous retroviral glycoprotein 70 by antigen-activated cytotoxic and suppressor T lymphocytes of nice. Kienner D, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1250–3

CLASSIFICATION

Human suppressor cells: evidence of functionally distinct subsets. Goeken NE, et al. **Hum Immunol** 1981 Feb; 2(1):65–76

Age-dependent separation of class-specific suppressor cells in thymus of SJL/J mice. Clark DA, et al. **Immunol Lett** 1981 Oct;3(4):189–94

Regulatory T cells in pregnancy. IV. Genetic characteristics and mode of action of early MLR suppressive T cell subpopulations. Chaouat G, et al. **J Immunol** 1981 Oct; 127(4):1335–9

CYTOLOGY

Reduced generation of suppressor cells in human mixed lymphocyte culture after radiotherapy. Onsrud M. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):39–45

Generation of CFUC suppressor T cells in vitro. II. Effect of PHA, PWM, and Con-A on bone marrow and peripheral blood lymphocytes from healthy donors. Podesta M, et al. **Exp Hematol** 1982 Mar;10(3):256–62

Suppressor cells induced in the human autologous mixed lymphocyte reaction. Goeken NE, et al. **Hum Immunol** 1982 Feb;4(1):37–45

Cyclosporin A abrogates proliferation of T cells and generation of suppressor and cytotoxic T-cell function induced by Epstein-Barr virus. Palacios R. **Immunobiology** 1981;160(3–4):321–9

Evidence for two distinct populations of suppressor cells in the spleens of Mycobacterium bovis BCG-Sensitized mice. Turcotte R. **Infect Immun** 1981 Nov;34(2):315–22

Sex hormone regulation of in vitro immune response. Estradiol enhances human B cell maturation via inhibition of suppressor T cells in pokeweed mitogen-stimulated cultures. Paavonen T, et al. **J Exp Med** 1981 Dec 1; 154(6):1935–45

Evidence for the presence of suppressor T lymphocytes in animals treated with cyclosporin A. Wang BS, et al. **J Immunol** 1982 Mar;128(3):1382–5

Immunoregulatory mechanisms in pregnancy. I. Evidence for the alpha-fetoprotein-induced generation of suppressor cells in vitro. Toder V, et al. **Transplantation** 1982 Jan; 33(1):41–4

DRUG EFFECTS

Induction of suppressor T cells to DNFB contact sensitivity by application of sensitizer through Langerhans cell-deficient skin. Semma M, et al. **Arch Dermatol Res** 1981;271(3):361–4

Antigen-specific suppressor cell activity in procainamide therapy [letter] Shamess CJ, et al. **Arthritis Rheum** 1982 Feb;25(2):238–9

Increase in Con A-induced suppressor cell activity after indomethacin treatment [letter] Skoldstam L, et al. **Arthritis Rheum** 1982 Mar;25(3):357–9

Effect of antineoplastic agents on the induction of suppressor macrophages by concanavalin A-bound tumor vaccine. Kataoka T, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5151–7

Correction of a suppressor cell deficiency in familial Mediterranean fever by colchicine. Ilfeld D, et al. **Clin Exp Immunol** 1981 Oct;46(1):77–81

Adrenaline influence on the immune response. II. Its effects through action on the suppressor T-cells. Depelchin A, et al. **Immunol Lett** 1981 Oct;3(4):207–13

Lipopolysaccharide-induced activation of suppressor cells: reversal by an agent which alters cyclic nucleotide metabolism. Winchurch RA, et al. **Immunology** 1982 Jan; 45(1):147–53

Inhibitors of prostaglandin synthetase block the generation of suppressor T cells induced by concanavalin A. Orme IM, et al. **Int J Immunopharmacol** 1981;3(1):15–9

Selective action of alkylating agents against cells participating in suppression of antibody responses. Paul RD, et al. **Int J Immunopharmacol** 1982;4(3):159–66

Allopurinol-induced suppressor T cell dysfunction: a hypothesis. Berken A. **J Am Acad Dermatol** 1981 Nov; 5(5):607–8

Enhancement of immune responses and possible inhibition of suppressor cells by aclacinomycin A. Ishizuka M, et al. **J Antibiot (Tokyo)** 1981 Mar;34(3):331–40

Human monocyte-derived soluble product(s) has an accessory function in the generation of histamine- and concanavalin A-induced suppressor T cells. Beer DJ, et al. **J Clin Invest** 1982 Aug;70(2):393–400

Selectivity in the effects of indomethacin on BCG-activated suppressor cell populations. Bennett JA, et al. **J Immunopharmacol** 1981;3(2):221–39

The pathogenesis of systemic lupus erythematosus. Peller OG. **Med Hypotheses** 1982 Jun;8(6):643–7

Immunologic alterations induced by phenytoin [letter] Levo Y. **N Engl J Med** 1982 Jul 29;307(5):315–6

Azathioprine decreases suppressor T cells in patients with multiple sclerosis [letter] Trotter JL, et al. **N Engl J Med** 1982 Feb 11;306(6):365–6

Umbilical-cord-blood-derived suppressor cells of the human natural killer cell activity are inhibited by interferon. Tarkkanen J, et al. **Scand J Immunol** 1982 Feb;15(2):149–57

Cyclosporin A spares selectively lymphocytes with donor-specific suppressor characteristics. Hutchinson IF, et al. **Transplantation** 1981 Sep;32(3):210–6

[Con A induceable suppressor cell activity in rheumatoid arthritis] Vogelsang H, et al. **Z Rheumatol** 1982 May-Jun; 41(3):100–4 (Eng. Abstr.) **(Ger)**

[In vitro effects of betamethasone on peripheral blood mononuclear cell function: effects of betamethasone on concanavalin A-induced suppressor cell function (author's transl)] Kobayashi K. **Arerugi** 1981 Dec;30(12):1149–56 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Golgi-ANAE positivity in leukemic blast cells: a possible T-suppressor cell leukemia. Burgio VL, et al. **Acta Haematol (Basel)** 1981;66(2):122–6

IMMUNOLOGY

Histamine receptor bearing suppressor cells in nickel sensitivity. Silvennoinen-Kassinen S. **Acta Derm Venereol (Stockh)** 1982;62(3):251–3

Concomitant presence of anti-tumor effector cells and suppressor cells in the spleen of tumor-bearing mice : the nature of suppressor cells. Hizuta A. **Acta Med Okayama** 1981 Oct;35(4):247–61

Nonspecific T-suppressors in experimental tick-borne encephalitis. Khozinsky VV, et al. **Acta Virol (Praha)** 1981 Sep;25(5):277–82

The differences in receptor cross reactivity and clonal structure between cytotoxic T lymphocytes, specific suppressor T cells and memory T cells immune to antigens of the H-2 complex. Brondz BD, et al. **Adv Exp Med Biol** 1982;146:171–89

Concanavalin A-induced bovine suppressor cells: cellular interaction and regulation. Splitter GA, et al. **Adv Exp Med Biol** 1981;137:325–54

Increased sensitivity of T cells to regulation by normal suppressor cells persists in long-term survivors with Hodgkin's disease. Vanhaelen CP, et al. **Am J Med** 1982 Mar;72(3):385–90

Respective roles and interactions of T-lymphocyte and PGE2-mediated monocyte suppressive activities in human newborns and mothers at the time of delivery. Durandy A, et al. **Am J Reprod Immunol** 1982 Jun;2(3):127–34

Loss of concanavalin A induced suppressor T-lymphocyte function in patients with mesangial IgA nephritis. Woo KT, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):24–7

The effects of in vitro antigen exposure upon suppressor cell function in atopic disease. Church JA, et al. **Ann Allergy** 1982 Apr;48(4):199–204

Multiple low-dose tolerance to human gamma globulin: respective roles of T-cell suppression and direct T-helper paralysis. Chaouat G. **Ann Immunol (Paris)** 1981 May-Jun; 132 C(3):375–81

Role of adherent suppressor cells in the depression of cell-mediated immunity in Hodgkin's disease and lung carcinoma. Thomas Y, et al. **Ann Immunol (Paris)** 1981 Mar-Apr;132(2):167–80

Immunological studies in senile dementia of the Alzheimer type: evidence for enhanced suppressor cell activity. Miller AE, et al. **Ann Neurol** 1981 Dec;10(6):506–10

Clinical and immunologic correlations in myasthenia gravis: measurement of con A stimulated suppressor cell activity. Koethe SM, et al. **Ann NY Acad Sci** 1981;377:447–54

Lymphocyte binding antibodies and suppressor cell activity in myasthenia gravis. Mischak RP, et al. **Ann NY Acad Sci** 1981;377:436–46

Depressed immune response in burn patients: use of monoclonal antibodies and functional assays to define the role of suppressor cells. McIrvine AJ, et al. **Ann Surg** 1982 Sep;196(3):297–304

The effect of polymorphonuclear leukocyte (PMNL) factors on T suppressor cell function in in vitro studies in healthy persons and some autoimmune disorders. Czernicki J, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(3):355–60

The influence of naturally occurring suppressor cells of systemic graft versus host reaction (GvHR in fetal and newborn mice. Rybczyńska Z, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(3):341–5

Correction of a suppressor cell deficiency and amelioration of familial Mediterranean fever by hemodialysis. Ilfeld D, et al. **Arthritis Rheum** 1982 Jan;25(1):38–41

Suppressor cell activity in a proliferative disorder of T lymphocytes. Kupa A, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):263–75

Suppressor cell function in mesangial IGA nephritis. Woo KT, et al. **Aust NZ J Med** 1982 Apr;12(2):208–10

lack of suppressor cell activity for natural killer cells in infant, aged and a low responder strain of mice. Nasrallah AG, et al. **Biomedicine** 1981 Dec;34(4):180–3

Evaluation of suppressor immune regulatory function in idiopathic congestive cardiomyopathy and rheumatic heart disease. Anderson JL, et al. **Br Heart J** 1981 Oct; 46(4):410–4

Possible role of macrophage-like suppressor cells in the anti-tumour activity of BCG. Castés M, et al. **Br J Cancer** 1981 Dec;44(6):828–37

Mononuclear-cell infiltration in ovarian cancer. III. Suppressor-cell and ADCC activity of macrophages from ascitic and solid ovarian tumours. Haskill S, et al. **Br J Cancer** 1982 May;45(5):747–53

Altered cellular immunity and suppressor cell activity in patients with primary retinitis pigmentosa. Heredia CD, et al. **Br J Ophthalmol** 1981 Dec;65(12):850–4

Regulation of primary antibody response in mice by two types of suppressor cells resistant to anti-thy-1 serum treatment. Hirokawa K, et al. **Bull Tokyo Med Dent Univ** 1981 Sep;28(3):99–109

Suppressor mononuclear cells in giant lymph node hyperplasia and thymoma. Shohat B, et al. **Cancer** 1981 Aug 15;48(4):923–6

Depression of the generation of cell-mediated cytotoxicity by macrophage-like suppressor cells in bladder carcinoma patients. Spina CA, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4324–30

Regulation of immune responses: analysis with lymphocyte clones. Cantor H. **Cell** 1981 Jul;25(1):7–8 (17 ref.)

Nature of neonatal splenic suppressor cells in the mouse. Argyris BF. **Cell Immunol** 1982 Jan 15;66(2):352–9

Expression of a 16,000 molecular weight antigen on human suppressor T lymphocytes. Balch CM, et al. **Cell Immunol** 1981 Oct;64(1):84–92

Cellular interactions in the generation and expression of histamine-induced suppressor activity. Beer DJ, et al. **Cell Immunol** 1982 May 1;69(1):101–12

Mixed lymphocyte reactivity in spleen cells from F-9 tumor-bearing ice. I. Suppressor cell induction and characterization. Bluestone JA, et al. **Cell Immunol** 1981 Aug;62(2):334–40

Maintenance of low-zone tolerance to bovine serum albumin by T suppressor cells. Brüner K, et al. **Cell Immunol** 1981 Aug;62(2):436–47

Suppressor cells in coccidioidomycosis. Catanzaro A. **Cell Immunol** 1981 Nov 1;64(2):235–45

Phenotypic heterogeneity of the OKM 1-positive lymphocyte population: reactivity of OKM1 monoclonal antibody with a subset of the suppressor/cytotoxic T-cell population. Ceuppens JL, et al. **Cell Immunol** 1982 May 1;69(1):150–65

The presence of Ia antigen on human peripheral blood T cells and T-cell subsets: analysis with monoclonal antibodies and the fluorescence-activated cell sorter. Ceuppens JL, et al. **Cell Immunol** 1981 Nov 1;64(2):277–92

Suppressor cells as an agent of immune facilitation. II. Adoptive transfer of passively induced enhancement of allografted tumors. Douvas GS, et al. **Cell Immunol** 1982 Apr;68(2):389–401

Characterization of suppressor T cells induced with the thymus-independent antigen polyvinylpyrrolidone coupled to syngeneic cells. Fraser V, et al. **Cell Immunol** 1981 Sep 1;63(1):177–87

Tumor bearer T cells suppress BCG-potentiated antitumor responses. I. Requirements for their effect. Hawrylko E. **Cell Immunol** 1982 Jan 1;66(1):121–38

Activation and mechanism of action of suppressor macrophages. Lichtenstein A, et al. **Cell Immunol** 1981 Oct; 64(1):150–61

Histamine modulates in vitro IgG production by pokeweed mitogen-stimulated human mononuclear cells. Lima M, et al. **Cell Immunol** 1981 Nov 1;64(2):324–36

Changes in suppressor, helper, and B-cell functions in aging mice. Liu JJ, et al. **Cell Immunol** 1982 Jan 15;66(2):372–82

Lymphocyte function in experimental African trypanosomiasis. IV. Immunosuppression and suppressor cells in the athymic nu/nu mouse. Mansfield JM, et al. **Cell Immunol** 1981 Sep 1;63(1):210–5

Suppressor T-cell hybridomas that exhibit various capacities to negatively regulate PFC responses in a T-cell dependent mouse model. Misfeldt ML, et al. **Cell Immunol** 1982 Jan 1;66(1):180–9

A partial characterization of suppressor cells in rat fetal liver cells. Monden M, et al. **Cell Immunol** 1982 Mar 15; 68(1):16–24

Concomitant induction of cytotoxic and suppressor cells: modulation by theophylline. Rola-Pleszczynski M, et al. **Cell Immunol** 1981 Nov 15;65(1):13–9

Culture-generated suppressor cells: evidence for an adherent cell component. Rollwagen FM, et al. **Cell Immunol** 1981 Nov 1;64(2):371–80

Feedback suppression of the immune response in vivo. I.

Immune B cells induce antigen-specific suppressor T cells. Shimamura T, et al. **Cell Immunol** 1982 Mar 15;68(1):104–13

Histamine-induced suppressor cells of lymphocyte mitogenic response. Thomas Y, et al. **Cell Immunol** 1981 Apr; 59(2):268–75

Suppressor T cells activated by autologous B-cell derived lines inhibit blastogenic responses by peripheral lymphocytes to mitogens or autologous lymphoblastoid cell lines. Tsukuda K, et al. **Cell Immunol** 1982 May 15; 69(2):291–304

Variable occurrence of splenic suppressor macrophages in normal and tumor-inoculated rats. Veit BC. **Cell Immunol** 1981 Apr;59(2):367–77

Control of suppressor cell activation via endogenous prostaglandin synthesis: the role of T cells and macrophages. Webb DR, et al. **Cell Immunol** 1981 Sep 15; 63(2):321–8

Reduced suppressor cell activity in congestive cardiomyopathy and in myocarditis. Eckstein R, et al. **Circulation** 1982 Jun;65(6):1224–9

Suppressor T-lymphocyte activity in wheezy children with and without treatment by hyposensitization. Rivlin J, et al. **Clin Allergy** 1981 Jul;11(4):353–6

Autoimmune thyroiditis: a condition related to a decrease in T-suppressor cells. Thielemans C, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):259–63

Allosuppressor T lymphocytes abolish migration inhibition factor production in autoimmune thyroid disease: evidence from radiosensitivity experiments. Topliss DJ, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):335–41

Generation of suppressor cells by aggregated human globulin. Antel JP, et al. **Clin Exp Immunol** 1981 Feb;43(2):351–6

The mode of action of splenic suppressor cells in murine plasmacytoma. Chen Y, et al. **Clin Exp Immunol** 1981 Sep; 45(3):514–22

Immunosuppression in plasmacytoma: induction of suppressor cells. Chen Y, et al. **Clin Exp Immunol** 1982 Jan;47(1):191–6

Increased numbers of cells with suppressor T cell phenotype in the peripheral blood of patients with infectious mononucleosis. Crawford DH, et al. **Clin Exp Immunol** 1981 Feb;43(2):291–7

Increased sensitivity to concanavalin A and a suppressor cell defect in chronic active hepatitis. de Galocsy C, et al. **Clin Exp Immunol** 1981 Mar;43(3):486–90

Generation of suppressor cells in the autologous mixed lymphocyte reaction. Fitzharris P, et al. **Clin Exp Immunol** 1981 Oct;46(1):185–95

Requirement for OKT8+ suppressor cell proliferation for suppression by human newborn T cells. Hayward AR, et al. **Clin Exp Immunol** 1981 Sep;45(3):468–74

Functional analysis of the defective T cell regulation of the antigen-specific PFC response in SLE patients: differentiation of suppressor precursor cells to suppressor effector cells. Heijnen CJ, et al. **Clin Exp Immunol** 1982 Feb;47(2):359–67

Inhibition of suppressor T cells in pokeweed mitogen-stimulated cultures of T and B cells by levamisole in vitro and in vivo. Hersey P, et al. **Clin Exp Immunol** 1981 Nov;46(2):340–9

Effects of testosterone, oestradiol and progesterone on immune regulation. Holdstock G, et al. **Clin Exp Immunol** 1982 Feb;47(2):449–56

Loss of suppressor T cell function and circulating immune complexes in chronic active liver diseases. Hotta R, et al. **Clin Exp Immunol** 1981 Nov;46(2):375–81

Suppressor cell function in a family with familial Mediterranean fever. Ilfeld DN, et al. **Clin Exp Immunol** 1981 Feb;43(2):357–61

Subpopulations of T lymphocytes and non-specific suppressor cell activity in patients with atopic dermatitis. Jensen JR, et al. **Clin Exp Immunol** 1981 Jul;45(1):118–23

Lymphocyte suppressor cell activity in acute and chronic liver disease. Kashio T, et al. **Clin Exp Immunol** 1981 Jun; 44(3):459–66

Induction of human antigen-specific suppressor factors in vitro. Kontiainen S, et al. **Clin Exp Immunol** 1981 Mar; 43(3):517–25

Human insulin specific suppressor factors. I. Induction, characteristics and comparison to murine factors. Kontiainen S. **Clin Exp Immunol** 1982 Mar;47(3):715–24

Differential involvement of non-specific suppressor T cells in two lethal murine malaria infections. Lelchuk R, et al. **Clin Exp Immunol** 1981 Aug;45(2):433–8

The role of suppressor T cells in the expression of autoimmune haemolytic anaemia in NZB mice. Russell PJ, et al. **Clin Exp Immunol** 1981 Sep;45(3):496–503

Impaired primary in-vitro antibody response in progressive systemic sclerosis patients: rôle of suppressor monocytes. Segond P, et al. **Clin Exp Immunol** 1982 Jan;47(1):147–54

T-chronic lymphocytic leukaemia presenting as primary hypogammaglobulinaemia--evidence of a proliferation of T-suppressor cells. Thien SL, et al. **Clin Exp Immunol** 1982 Mar;47(3):670–6

Production of a suppressor factor by human adherent cells treated with Mycobacterium tuberculosis: absence in systemic lupus erythematosus. Wadee AA, et al. **Clin Exp Immunol** 1981 Oct;46(1):82–8

Production of migration inhibition factor (MIF) by purified human T cell subpopulations. Warrington RJ, et al. **Clin Exp Immunol** 1981 May;44(2):324–31

Suppressor T-cell function in man: suppression of immunoglobulin production by the direct action of immunoregulatory T cells on the B cell in four separate, distinct systems. Blaese RM, et al. **Clin Immunol Immunopathol** 1982 May;23(2):162–71

Antigen and receptor-driven regulatory mechanisms. IX. T cell--T cell interaction in the generation of first-order idiotype-bearing suppressor T cells. Bromberg JS, et al. **Clin Immunol Immunopathol** 1982 Feb;22(2):180–93

Myasthenia gravis: in vitro immunoglobulin production with pokeweed mitogen challenge and B- and T-lymphocyte competence. Harfast B, et al. **Clin Immunol Immunopathol** 1981 Sep;20(3):336–45

Reevaluation of suppressor cell function in systemic lupus erythematosus. Nakamura Z, et al. **Clin Immunol Immunopathol** 1982 Jul;24(1):72–82

Spontaneous suppressor cells for mitogen responsiveness of cord blood lymphocytes. Paganelli R. **Clin Immunol Immunopathol** 1981 Dec;21(3):295–300

Abnormal generation of concanavalin A-induced suppressor cell function in human autoimmune hemolytic anemia. Soyano A, et al. **Clin Immunol Immunopathol** 1982 Apr; 23(1):70–6

Suppressor cell function in patients with primary glomerular disease. Wu MJ, et al. **Clin Immunol Immunopathol** 1982 Mar;22(3):442–7

Definition of function-related isotypic markers on T cells. Culbert EJ, et al. **Curr Top Microbiol Immunol** 1982; 100:19–32

Dissection of a suppressor cell cascade. Dorf ME, et al. **Curr Top Microbiol Immunol** 1982;100:61–7

Regulation of the IgE response by IgE class-specific suppressor T hybridomas. Suemura M, et al. **Curr Top Microbiol Immunol** 1982;100:79–88

An antigen-specific suppressor T cell factor controlled by two genes in the immunoglobulin heavy chain linkage group and in the I-J subregion of the H-2 complex. Taniguchi M, et al. **Curr Top Microbiol Immunol** 1982; 100:33–41

Spontaneous suppressor cell function in inflammatory bowel disease. Victorino RM, et al. **Dig Dis Sci** 1981 Sep; 26(9):801–6

Macrophage induction of T-suppressor cells in pesticide-exposed and protozoan-infected mice. Loose LD. **Environ Health Perspect** 1982 Feb;43:89–97

Phenotype of human T helper and suppressor cells in an in vitro specific antibody response. Callard RE, et al. **Eur J Immunol** 1982 Mar;12(3):232–6

Immunoregulatory circuits which modulate responsiveness to suppressor cell signals: characterization of an effector cell in the contrasuppressor circuit. Green DR, et al. **Eur J Immunol** 1981 Dec;11(12):973–80

Idiotype regulation: evidence for the involvement of Igh-C-restricted T cells in the M-460 idiotype suppressive pathway. Juy D, et al. **Eur J Immunol** 1982 Jan;12(1):24–30

T suppressor cells activated by anti-Tsud serum are Igh-V-restricted. Owen FL, et al. **Eur J Immunol** 1982 Jan;12(1):94–7

Immunoregulatory circuits which modulate responsiveness to suppressor cell signals: contrasuppressor cells can convert an in vivo tolerogenic signal into an immunogenic one. Ptak W, et al. **Eur J Immunol** 1981 Dec;11(12):980–3

Regulation of in vitro cytotoxic T lymphocyte generation. II. Demonstration of noncytotoxic alloantigen-specific suppressor T lymphocytes. Schwartz A, et al. **Eur J Immunol** 1982 May;12(5):380–6

Anti-receptor antibody-induced suppression of murine H-Y-specific delayed-type hypersensitivity responses. Sunday ME, et al. **Eur J Immunol** 1981 Aug;11(8):626–31

Concanavalin A-activated suppressor cell activity in gastric cancer patients. Toge T, et al. **Gan** 1980 Dec;71(6):784–9

Studies on lymphocyte hyporesponsiveness in cirrhosis: the role of increased monocyte suppressor cell activity. Holdstock G, et al. **Gastroenterology** 1982 Feb;82(2):206–12

Increased suppressor cell activity in inflammatory bowel disease. Holdstock G, et al. **Gut** 1981 Dec;22(12):1025–30

Immune regulation and HLA types in chronic hepatitis. Krawitt EL, et al. **Hepatology** 1981 Jul–Aug;1(4):300–6

Modulation of allogeneic stimulation in man. I. Characterization of an in vitro induced suppressor macrophage population. Stux SV, et al. **Hum Immunol** 1981 Nov;3(3):187–207

Lymphocyte suppressor activity in patients with polyglandular failure. Verghese MW, et al. **Hum Immunol** 1981 Oct;3(2):173–9

Ultraviolet irradiation, tumors, and suppressor T cells. Spellman CW, et al. **Hum Pathol** 1981 Jun;12(6):489–91

Alloantigen-induced suppressor- and memory cells in chronic lymphocytic leukemia. Kabelitz D, et al. **Immunobiology** 1982 May;161(5):457–63

Requirement for the location of both appropriate and irrelevant H-2 antigens on the same stimulator cell for unspecific DNA-synthesis inhibition by the H-2-antigen-primed, specific suppressor T cells. Brondz BD, et al. **Immunogenetics** 1982;15(2):167–76

Regulation of the human allogeneic proliferative response in vitro. Carosella E, et al. **Immunogenetics** 1981; 14(1-2):107–16

T cells in a suppressor circuit and non-T:non-B cells bear different I-J determinants. Murphy DB, et al. **Immunogenetics** 1981;13(3):205–13

Adrenaline influence on the immune response. I. Accelerating or suppressor effects according to the time of application. Depelchin A, et al. **Immunol Lett** 1981 Oct;3(4):199–205

Deficiency of suppressor T-cells in insulin-dependent diabetes mellitus: an analysis with monoclonal antibodies. Gupta S, et al. **Immunol Lett** 1982 May;4(5):289–94

Biphasic development of splenic suppressor cells in tumor-bearing mice. Kapoor QS. **Immunol Lett** 1981 Nov; 3(5):293–7

Reversal of povidone-iodine-induced suppressor cell activity by sodium borohydride. Ninnemann JL, et al. **Immunol Lett** 1982 Apr;4(4):189–92

Cimetidine abrogates suppressor T cell function in vitro. Palacios R, et al. **Immunol Lett** 1981 Apr;3(1):33–7

Reactivity to autologous non-T-cells and suppressor function of human autologous rosettes. Uchida A, et al. **Immunol Lett** 1981 Aug;3(3):145–9

Regulatory T cells in pregnancy. III. Comparison of early acting and late acting suppressor T cells in MLR: evidence for involvement of differential T-cell subsets. Chaouat G, et al. **Immunology** 1981 Oct;44(2):393–400

The in vitro generation of suppressor lymphocytes involves interactions between PNA+ and PNA- thymocyte populations. Eisenthal A, et al. **Immunology** 1982 Aug; 46(4):697–704

Genetic control of allogeneic interactions in the guinea-pig. IV. The specific elimination of MLC suppressor cells by the in vivo administration of antisera against a GPLA-B region-controlled determinant. Geczy AF, et al. **Immunology** 1982 Jan;45(1):139–45

Lymphokine-induced suppressor B cells. Gilbert KM, et al. **Immunology** 1982 Jul;46(3):545–53

Suppression of BCG cell wall-induced delayed-type hypersensitivity by BCG pre-treatment. II. Induction of suppressor T cells by heat-killed BCG injection. Kato K, et al. **Immunology** 1982 Apr;45(4):655–61

T-cell regulation of pokeweed-mitogen-induced polyclonal immunoglobulin production in mice. II. Mechanism of the induction of suppressor T cells. Kina T, et al. **Immunology** 1982 Jul;46(3):583–7

T-cell hybridomas producing hapten-specific suppressor factors. Kontiainen S, et al. **Immunology** 1981 Aug; 43(4):747–54

Induction of suppressor cells after activation of human peripheral blood mononuclear cells with sodium periodate. Lomnitzer R, et al. **Immunology** 1982 Jan;45(1):7–13

The immunoregulatory role of bone marrow. III. Further characterization of the suppressor cell and its mode of action. McGarry RC, et al. **Immunology** 1982 Jun; 46(2):387–94

Anti-idiotype regulation of timothy grass pollen IgE antibody formation. I. In vivo induction of suppressor T cells. Malley A, et al. **Immunology** 1982 Jul;46(3):653–9

Delayed hypersensitivity to Trypanosoma cruzi in mice: specific suppressor cells in chronic infection. Scott MT. **Immunology** 1981 Oct;44(2):409–17

In vitro generation of splenic suppressor cells by trypsin. Ulrich F. **Immunology** 1982 Jun;46(2):369–80

Differential inhibition of contact sensitivity by suppressor T cells and suppressor factor induced by combined treatment with dinitrobenzenesulphonate and dinitrofluorobenzene. Zimber C, et al. **Immunology** 1982 Mar;45(3):449–57

Augmentation of concanavalin A-induced immunosuppression by indomethacin. Badger AM, et al. **Immunopharmacology** 1982 Apr;4(2):149–62

Effects of indomethacin on lymphocyte proliferation, suppressor cell function, and leukocyte migration inhibitory factor (lmif) production. Soppi E, et al. **Immunopharmacology** 1982 Jun;4(3):235–42

In vivo and in vitro effects of 1,1-dimethylhydrazine on selected immune functions. Tarr MJ, et al. **Immunopharmacology** 1982 Apr;4(2):139–47

Nonspecific suppression of primary antibody responses and presence of plastic-adherent suppressor cells in Toxoplasma gondii-infected mice. Suzuki Y, et al. **Infect Immun** 1981 Oct;34(1):30–5

Nonspecific suppression of initiation of memory cells in Toxoplasma gondii-infected mice. Suzuki Y, et al. **Infect Immun** 1981 Oct;34(1):36–42

Subpopulations of suppressor cells in chickens infected with cells of a transplantable lymphoblastic leukemia. Theis GA. **Infect Immun** 1981 Nov;34(2):526–34

Mechanisms of action of Mycobacterium bovis BCG-induced suppressor cells in mitogen-induced blastogenesis. Turcotte R, et al. **Infect Immun** 1982 Apr;36(1):263–70

Tolerance induction via antigen inhalation: isotype specificity, stability, and involvement of suppressor T cells. Holt PG, et al. **Int Arch Allergy Appl Immunol** 1982 Feb; 67(2):155–60

T15-idiotype positive, IgE class-specific suppressor T cells and characterization of the suppressor factor. Kishimoto T, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:31–8

Generation of concanavalin A-induced suppressor cells in the cat. Langweiler M, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):148–55

Concanavalin-A-induced suppressor cell activity in idiopathic membranous nephropathy. Matsumoto K, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):26–9

Inhibition of protein A-induced lymphocyte colony-forming cells by con A-generated suppressor cells or their culture fluid. Nemoto H, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):40–3

Enhancement of suppressor cell generation in human mixed

lymphocyte cultures by interferon. Onsrud M.
Int Arch Allergy Appl Immunol 1982;67(4):315–21

Specific downregulation of IgE antibodies by tolerogenic conjugates of haptens and allergens with synthetic polymers. Sehon AH, et al.
Int Arch Allergy Appl Immunol 1981;66 Suppl 1:39–42

Impairment of in vitro generation of cytotoxic or T suppressor lymphocytes by Friend leukemia virus infection in mice. Garaci E, et al. **Int J Cancer** 1981 Sep 15; 28(3):367–73

Systemic and in situ natural killer and suppressor cell activities in mice bearing progressively growing murine sarcoma-virus-induced tumors. Gerson J, et al.
Int J Cancer 1981 Feb 15;27(2):243–8

Cell-mediated suppression of tumor immunity has a non-specific component. II. Evidence from cell culture experiments. Hellström I, et al. **Int J Cancer** 1981; 27(4):487–91

Cell-mediated suppression of tumor immunity has a non-specific component. I. Evidence from transplantation tests. Hellström KE, et al. **Int J Cancer** 1981;27(4):481–5

Effect of Bacillus Calmette-Guérin cell wall skeleton on the induction of the cytotoxic and suppressor T cells against syngeneic tumor in the mouse. Koyama S, et al.
Int J Cancer 1981 Jun 15;27(6):829–35

Suppressor pathways in tumor immunity: a requirement for Qa-1 positive tumor-bearer spleen T cells in suppression of the afferent immune response to tumor antigens. Mulé JJ, et al. **Int J Cancer** 1981 Sep 15;28(3):353–9

Suppressor cell activity in melanoma patients. I. Relation to tumor growth an immunoglobulin levels in vivo. Werkmeister J, et al. **Int J Cancer** 1981 Jul 15;28(1):1–9

Suppressor cell activity in melanoma patients. II. Concanavalin A-induced suppressor cells in relation to tumor growth and suppressor T-cell subsets. Werkmeister J, et al. **Int J Cancer** 1981 Jul 15;28(1):11–15

OKT3 induces suppressor cells for mixed lymphocyte and PHA mitogenic responses in human peripheral lymphocytes. Lau C, et al. **Int J Immunopharmacol** 1981; 3(3):187–92

Suppressor cel activity of ferritin-bearing lymphocytes in patients with breast cancer. Moroz C, et al.
Isr J Med Sci 1981 Sep-Oct;17(9-10):879–81

Contact allergy: competitive roles of effector and suppressor cells. Baer RL. **J Am Acad Dermatol** 1982 May;6(5):921–5

Normal immunoregulation of in vitro antibody secretion in autoimmune thyroid disease. MacLean DB, et al.
J Clin Endocrinol Metab 1981 Oct;53(4):801–5

Decreased suppressor T-lymphocytes in autoimmune thyroid diseases detected by monoclonal antibodies. Sridama V, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):316–9

Immunoregulation in hypersensitivity pneumonitis. I. Differences in T-cell and macrophage suppressor activity in symptomatic and asymptomatic pigeon breeders. Keller RH, et al. **J Clin Immunol** 1982 Jan;2(1):46–54

Histamine activates suppressor cells in vitro using a coculture technique. Rocklin RE, et al. **J Clin Immunol** 1981 Jan; 1(1):73–9

T lymphocytes involved in inhibition of granulopoiesis in two neutropenic patients are of the cytotoxic/suppressor (T3+T8+) subset. Bagby GC Jr. **J Clin Invest** 1981 Dec; 68(6):1597–600

Deficiency of suppressor T cells in the hyperimmunoglobulin E syndrome. Geha RS, et al. **J Clin Invest** 1981 Sep; 68(3):783–91

Studies of immune functions of patients with systemic lupus erythematosus: antibodies to desialized, rather than intact, T cells preferentially bind to and eliminate suppressor effector T cells. Honda M, et al. **J Clin Invest** 1982 Apr; 69(4):940–9

Characterization of the suppressor cell activity in human cord blood lymphocytes. Rodriguez MA, et al. **J Clin Invest** 1981 Dec;68(6):1577–85

Double labelled T suppressor lymphocytes in the thymus of a patient with myasthenia gravis: morphological and immunological characteristics. Bárdosi L, et al.
J Clin Lab Immunol 1982 Jan;7(1):75–80

Suppressor cell activity in patients with newly diagnosed insulin-dependent diabetes mellitus: a prospective study. Buschard K, et al. **J Clin Lab Immunol** 1982 May;8(1):19–23

Nonspecific human lymphocyte-mediated cytotoxicity induced by immobilized IgG aggregate: regulation by suppressor cells. Fuson EW, et al. **J Clin Lab Immunol** 1982 Jan;7(1):55–60

Experimental murine hepatitis and inducible suppressor cell function. Hodgson HJ, et al. **J Clin Lab Immunol** 1982 Jan; 7(1):45–9

A case of Di George syndrome treated with thymopoietin pentapeptide (TP-5) demonstrating an adherent suppressor cell of lymphocyte function. Joffe MI, et al.
J Clin Lab Immunol 1982 May;8(1):69–73

Suppressor T cell activity in splenectomized subjects. Melamed I. et al. **J Clin Lab Immunol** 1982 Apr;7(3):173–7

Loss of the short-lived suppressive function of peripheral leukocytes in feline retrovirus-infected cats. Stiff MI, et al. **J Clin Lab Immunol** 1982 Feb;7(2):133–8

Suppressor T cells in systemic lupus erythematosus: lack of defective in vitro suppressor cell generation in patients with active disease. Tsokos GC, et al. **J Clin Lab Immunol** 1982 Jun;8(2):83–90

Blood mononuclear cells with suppressor activity in patients with thyroid disorders: increased levels of T gamma cells in subacute thyroiditis. Wall JR, et al.
J Clin Lab Immunol 1981 Sep;6(2):115–9

Demonstration in situ of 'T' cells and 'T' cell subsets in lichen planus using monoclonal antibodies. McMillan EM, et al.
J Cutan Pathol 1981 Jun;8(3):228–34

T lymphocyte-mediated suppression of myeloma function in vitro. IV. Generation of effector suppressor cells specific for myeloma idiotypes. Abbas AK, et al. **J Exp Med** 1982 Apr 1;155(4):1216–21

H-2-controlled suppression of T cell response to lactate dehydrogenase B. Characterization of the lactate dehydrogenase B suppressor pathway. Baxevanis CN, et al. **J Exp Med** 1982 Sep 1;156(3):822–33

Immunoglobulin idiotopes expressed by T cells. I. Expression of distinct idiotopes detected by monoclonal antibodies on antigen-specific suppressor T cells. Cerny J, et al.
J Exp Med 1982 Sep 1;156(3):719–30

T cell-mediated immunosuppression as an obstacle to adoptive immunotherapy of the P815 mastocytoma and its metastases. Dye ES, et al. **J Exp Med** 1981 Oct 1; 154(4):1033–42

Analysis of the interactions between two molecules that are required for the expression of Ly-2 suppressor cell activity. Three different types of focusing events may be needed to deliver the suppressive signal. Flood P, et al.
J Exp Med 1982 Aug 1;156(2):361–71

Interferon inhibits the generation of allospecific suppressor T lymphocytes. Fradelizi D, et al. **J Exp Med** 1982 Jun 1;155(6):1610–22

Immunoglobulin secretion in the human autologous mixed leukocyte reaction. Definition of a suppressor-amplifier circuit using monoclonal antibodies. Gatenby PA, et al. **J Exp Med** 1982 Jul 1;156(1):55–67

Epitope-specific regulation. I. Carrier-specific induction of suppression for IgG anti-hapten antibody responses. Herzenberg LA, et al. **J Exp Med** 1982 Jun 1; 155(6):1730–40

Hapten-specific responses to the phenyltrimethylamino hapten. III. Mice whose delayed-type hypersensitivity responses cannot be abrogated by the presence of anti-idiotypic suppressor T cells lack a critical modulatory T cell function. Jayaraman S, et al. **J Exp Med** 1982 Jun 1;155(6):1810–22

Mechanisms of idiotype suppression. IV. Functional neutralization in mixtures of idiotype-specific suppressor and hapten-specific suppressor T cells. Kim BS, et al.
J Exp Med 1981 Sep 1;154(3):809–20

Immunoregulation of murine myeloma in vitro. II. Suppression of MOPC-315 immunoglobulin secretion and synthesis by idiotype-specific suppressor T cells. Milburn GL, et al. **J Exp Med** 1982 Mar 1;155(3):852–62

I-J restrictions on the activation and interaction of parental and F1-derived TS3 suppressor cells. Minami M, et al.
J Exp Med 1982 Aug 1;156(2):465–79

Allosuppressor and allohelper T cells in acute and chronic graft-vs-host disease. I. Alloreactive suppressor cells rather than killer T cells appear to be the decisive effector cells in lethal graft-vs.-host disease. Rolink AG, et al.
J Exp Med 1982 May 1;155(5):1501–22

Monoclonal alloantibodies specific for the constant region of T cell antigen receptors. Tokuhisa T, et al.
J Exp Med 1982 Sep 1;156(3):888–97

Direct evidence for the involvement of T suppressor cells in the expression of low-dose paralysis to type III pneumococcal polysaccharide. Baker PJ, et al.
J Immunol 1982 Mar;128(3):1059–62

Suppressor-target interaction in alloantigen induced responses: induction of a second cell in the suppressive pathway. Beckwith M, et al. **J Immunol** 1982 Feb; 128(2):791–6

Spontaneous remission and acquired resistance to autoimmune encephalomyelitis (EAE) are associated with suppression of T cell reactivity: suppressed EAE effector T cells recovered as T cell lines. Ben-Nun A, et al.
J Immunol 1982 Mar;128(3):1450–7

Suppression of the late stages of mitogen-induced human B cell differentiation by FC gamma receptors (FC gamma R) released from polymorphonuclear neutrophils. Bich-Thuy LT, et al. **J Immunol** 1981 Oct;127(4):1299–303

Adherent spleen cells from mice acutely infected with cytomegalovirus suppress the primary antibody response in vitro. Bixler GS Jr, et al. **J Immunol** 1981 Oct; 127(4):1294–9

Hapten-coupled monoclonal anti-I-A antibodies provide a first signal for the induction of suppression. Bromberg JS, et al. **J Immunol** 1982 Feb;128(2):834–7

I-J restriction of T cells that suppress in vivo antibody responses to Thy-1. Brunswick M, et al. **J Immunol** 1982 Aug;129(2):698–703

Regulatory mechanisms in the mixed lymphocyte reaction: evidence for the requirement of two T cells to interact in the generation of effective suppression. Chaouat G, et al. **J Immunol** 1982 Aug;129(2):502–8

Active suppression of host-vs-graft reaction in pregnant mice. III. Developmental kinetics, properties, and mechanism of induction of suppressor cells during first pregnancy. Clark DA, et al. **J Immunol** 1981 Oct; 127(4):1267–73

Inability of newborns' or pregnant women's monocytes to suppress pokeweed mitogen-induced responses. Durandy A, et al. **J Immunol** 1982 Feb;128(2):525–9

Activation of human T lymphocyte subsets: helper and suppressor/cytotoxic T cells recognize and respond to distinct histocompatibility antigens. Engleman EG, et al.
J Immunol 1981 Nov;127(5):2124–9

Immunotherapy of a chemically-induced sarcoma in rats: characterization of the effector T cell subset and nature of suppression. Fernandez-Cruz E, et al. **J Immunol** 1982 Mar;128(3):1112–7

Induction of immunoglobulin secreting cells in the human autologous mixed leukocyte reaction: regulation by helper and suppressor lymphocyte subsets defined with monoclonal antibodies. Gatenby PA, et al. **J Immunol** 1981 Nov;127(5):2130–5

Activity of concanavalin A-induced suppressor cells in human MLR: differential effects on primary MLR, secondary MLR, and memory cell precursors. Goeken NE.
J Immunol 1982 May;128(5):2081–6

Functional characteristics of a Ficoll-separated mouse bone marrow cell population involved in skin allograft prolongation. Gozzo JJ, et al. **J Immunol** 1982 Oct; 129(4):1584–8

Characterization of a soluble suppressor of human B cell function produced by a continuous human suppressor T cell line. II. Evidence for suppression through a direct action of CTC-SISS-B on human B cells. Greene WC, et al. **J Immunol** 1982 Sep;129(3):1120–3

Studies on induction and effector functions of concanavalin A-induced suppressor cells that limit TCGF production. Gullberg M, et al. **J Immunol** 1982 Feb;128(2):746–50

Inhibition of specific immune responses by feeding protein antigens. V. Induction of the tolerant state in the absence of specific suppressor T cells. Hanson DG, et al.
J Immunol 1982 May;128(5):2378–81

Suppressor T cells are activated in vivo in patients with multiple sclerosis coinciding with remission from acute attack. Huddlestone JR, et al. **J Immunol** 1982 Sep; 129(3):915–7

Activation of suppressor T cells by autologous lymphoblastoid cells: a mechanism for feedback regulation of immunoglobulin synthesis. James SP, et al.
J Immunol 1982 Mar;128(3):1149–54

Effect of murine tumors upon delayed hypersensitivity to dinitrochlorobenzene. III. In vivo activity of the nonspecific suppressor cell. Jessup JM, et al. **J Immunol** 1981 Nov;127(5):2183–7

Augmentation of delayed-type hypersensitivity to serum proteins by vesicular stomatitis virus infection in mice: virus-suppressor cell interactions. Katsura Y, et al.
J Immunol 1982 Jul;129(1):362–5

Induction of T15-specific suppressor T cells in mice with the CBA/N defect by neonatal injection with anti-T15 idiotype antibody. Kim BS, et al. **J Immunol** 1982 Mar; 128(3):1145–8

Unresponsiveness to experimental allergic encephalomyelitis in mice: replacement of suppressor cells by a soluble factor. Lando Z, et al. **J Immunol** 1981 Nov;127(5):1915–9

Defective suppressor cell generation in juvenile onset diabetes. Lederman MM, et al. **J Immunol** 1981 Nov; 127(5):2051–5

Natural killer activity and suppressor cells in irradiated mice repopulated with a mixture of cells from normal and 89Sr-treated donors. Levy EM, et al. **J Immunol** 1981 Oct; 127(4):1428–32

Immunologic regulation of experimental cutaneous leishmaniasis. V. Characterization of effector and specific suppressor T cells. Liew FY, et al. **J Immunol** 1982 Apr; 128(4):1917–22

Characterization of suppressor cells regulating in vitro expression of IgG2A and IgG2B antibody responses. Löwy I, et al. **J Immunol** 1982 Feb;128(2):768–73

Suppressor T cell circuits in contact sensitivity. I. Two mechanistically distinct waves of suppressor T cells occur in mice tolerized with syngeneic DNP-modified lymphoid cells. Miller SD, et al. **J Immunol** 1982 Aug;129(2):461–8

T cell regulation of the IgG2a response to TNP-Ficoll: evidence that allotype congenic mice contain both helper cells that preferentially enhance IgG2a synthesis and suppressor cells that specifically suppress IgG2 synthesis. Mongini PK, et al. **J Immunol** 1982 Jun;128(6):2405–10

Communicative interactions between subpopulations of human T lymphocytes required for generation of suppressor effector function in a primary antibody response. Morimoto C, et al. **J Immunol** 1982 Apr;128(4):1645–50

Suppression of anti-hapten antibody responses by hapten-specific cytolytic T lymphocytes: role of I-A-associated antigen on target B lymphocytes. Moser G, et al. **J Immunol** 1982 Jul;129(1):63–9

Regulation of cell-mediated immunity in cryptococcosis. I. Induction of specific afferent T suppressor cells by cryptococcal antigen. Murphy JW, et al. **J Immunol** 1982 Jan;128(1):276–83

Two loci in I-J subregion of the H-2 complex controlling molecules selectively expressed on suppressor and helper T cells. Ochi A, et al. **J Immunol** 1982 Jul;129(1):227–31

Immunosuppression of experimental allergic encephalomyelitis. III. In vitro evidence for induction of suppressor T lymphocytes in draining lymph node cells of animals immunized with myelin basic protein complexed to lipopolysaccharides. Raziuddin S, et al. **J Immunol** 1982 May;128(5):2073–80

Activation of antigen-specific suppressor cells in human schistosomiasis mansoni by fractions of soluble egg antigens nonadherent to Con A sepharose. Rocklin RE, et al.

J Immunol 1981 Dec;127(6):2314–8
Hapten-specific T cell responses to 4-hydroxy-3-nitrophenyl acetyl. XIII. Characterization of a third T cell population involved in suppression of in vitro PFC responses. Sherr DH, et al. **J Immunol** 1982 Mar;128(3):1260–6
MLC-specific suppressor T lymphocytes in man. I. Their induction in vitro by soluble HLA-DR antigens. Smeraldi RS, et al. **J Immunol** 1982 Mar;128(3):1394–8
Control of macrophage Ia expression in neonatal mice—role of a splenic suppressor cell. Snyder DS, et al. **J Immunol** 1982 Mar;128(3):1458–65
Biologic activity of an idiotype-bearing suppressor T cell factor produced by a long-term T cell hybridoma. Takaoki M, et al. **J Immunol** 1982 Jan;128(1):49–53
Functional analysis of human T cell subsets defined by monoclonal antibodies. V. Suppressor cells within the activated OKT4+ population belong to a distinct subset. Thomas Y, et al. **J Immunol** 1982 Mar;128(3):1386–90
Ocular immune responses. I. Priming of A/J mice in the anterior chamber with azobenzenearsonate-derivatized cells induces second-order-like suppressor T cells. Wetzig RP, et al. **J Immunol** 1982 Apr;128(4):1753–7
The syngeneic mixed leukocyte reaction in mice. II. The I region control of suppressor T cell activity induced in the syngeneic mixed leukocyte reaction. Yamashita U, et al. **J Immunol** 1982 Mar;128(3):1010–7
Control of lymphocyte stimulation in vitro: 'help' and 'suppression' in the light of lymphoid population dynamics. Knight SC. **J Immunol Methods** 1982;50(1):R51–63 (59 ref.)
Immunological aspects of psoriasis: V. T. cell subsets and suppressor cell functions regulating immune responses in peripheral blood. Clot J, et al. **J Invest Dermatol** 1982 Apr; 78(4):313–5
Inpaired antigen-specific suppressor cell activity in psoriasis and psoriatic arthritis. Gladman DD, et al. **J Invest Dermatol** 1981 Nov;77(5):406–9
Suppressor cell function is preserved in pemphigus and pemphigoid. King AJ, et al. **J Invest Dermatol** 1982 Sep; 79(3):183–5
Modulation of suppressor mechanism in allergic contact dermatitis. IV. Selective inhibition of suppressor T-lymphocytes by serum obtained from Corynebacterium parvum treated mice. Knop J, et al. **J Invest Dermatol** 1981 Dec;77(6):469–73
Inhibition of in vitro nickel sulfate reaction by anti-HLA-D/DR antisera. Lack of demonstrable suppressor cells in peripheral blood in nickel unresponsiveness in man. Silvennoinen-Kassinen S, et al. **J Invest Dermatol** 1981 Nov;77(5):417–20
Specific immunoregulation abnormality in insulin-dependent diabetes mellitus. Fairchild RS, et al. **J Lab Clin Med** 1982 Feb;99(2):175–86
In vitro induction of human suppressor T cells by a chorionic gonadotropin preparation. Fuchs T, et al. **J Reprod Immunol** 1981 Jun;3(2):75–84
Dual role for alveolar macrophages in humoral and cell-mediated immune responses: evidence for suppressor and enhancing functions. Pennline KJ, et al. **J Reticuloendothel Soc** 1981 Sep;30(3):205–17
Antigen-specific suppressor cell activity in patients with scleroderma. Keystone EC, et al. **J Rheumatol** 1981 Sep–Oct;8(5):747–51
Suppressor cell activity in progressive systemic sclerosis. Krawitt EL, et al. **J Rheumatol** 1982 Mar–Apr;9(2):263–7
Adherent suppressor cells in the blood of patients with bladder cancer. Herr HW. **J Urol** 1981 Oct;126(4):457–60
Effects of different fractions of Corynebacterium parvum on the cytotoxic T-cell response to alloantigens in mice. Lichtenstein A, et al. **JNCI** 1982 Aug;69(2):495–501
The role of NK cells in tumor growth assessed by induction of their suppressor cells in Japanese quails. Yamada A, et al. **Jpn J Med Sci Biol** 1981 Jun;34(3):161–8
Induction and characterization of splenic suppressor cells directed to natural killer cells in Japanese quails. Yamada A, et al. **Jpn J Med Sci Biol** 1981 Apr;34(2):95–102
Rheumatoid arthritis: a disease of T-lymphocyte/macrophage immunoregulation. Janossy G, et al. **Lancet** 1981 Oct 17;2(8251):839–42
Antigen-specific suppressor cells in subclinical leprosy infection. Stoner GL, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1372–7
Allosensitized T cells produce soluble factors susceptible to suppress allogeneic proliferation but not to interfere on cell mediated cytotoxicity. Carosella E, et al. **Medicina (B Aires)** 1981;41 Suppl:65–76
Spontaneously induced suppressor cells in vitro: nonspecific suppression of in vitro antibody formation. Kodama K, et al. **Microbiol Immunol** 1981;25(11):1173–89
Regulatory mechanism of delayed-type hypersensitivity in mice. IV. Effect of suppressor T cells on the development of memory T cells involved in accelerated generation of DTH-effector cells in vitro. Tamura SI, et al. **Microbiol Immunol** 1982;26(3):241–52
Affinity maturation of NZB and BALB/cV mice anti-fluorescyl response. Jarvis MR, et al. **Mol Immunol** 1982 Apr;19(4):525–33
Suppressor-T-cell function in rheumatoid arthritis [letter] Bahler D. **N Engl J Med** 1982 Mar 25;306(12):749
Abnormal histamine-induced suppressor-cell function in atopic subjects. Beer DJ, et al. **N Engl J Med** 1982 Feb 25;306(8):454–8
Transient antibody deficiency and abnormal t-suppressor cells induced by phenytoin. Dosch HM, et al. **N Engl J Med** 1982 Feb 18;306(7):406–9
Specific inhibition of lymphocyte-proliferation responses by adherent suppressor cells in diffuse cutaneous leishmaniasis. Petersen EA, et al. **N Engl J Med** 1982 Feb 18; 306(7):387–92
Antigen-specific suppressor T lymphocytes in human lymphatic filariasis. Piessens WF, et al. **N Engl J Med** 1982 Jul 15;307(3):144–8
Defective EBV-specific suppressor T-cell function in rheumatoid arthritis. Tosato G, et al. **N Engl J Med** 1981 Nov 19;305(21):1238–43
A cloned T-cell line from a tolerant mouse represents a novel antigen-specific suppressor cell type. Heuer J, et al. **Nature** 1982 Apr 1;296(5856):456–9
Interferon inhibits the suppressor T cell response of delayed-type hypersensitivity. Knop J, et al. **Nature** 1982 Apr 22;296(5859):757–9
A monoclonal antibody against human T suppressor lymphocytes binds specifically to the surface of cultured oligodendrocytes. Oger J, et al. **Nature** 1982 Jan 7; 295(5844):66–8
Reconstitution of antigen-specific suppressor activity with translation products of mRNA. Taniguchi M, et al. **Nature** 1982 Jul 8;298(5870):172–4
Constant region determinants on the antigen-binding chain of the suppressor T-cell factor. Tokuhisa T, et al. **Nature** 1982 Jul 8;298(5870):174–6
Occurrence of two distinct subpopulations of suppressor cells in rats bearing chemically induced tumors. Iguchi S, et al. **Neoplasma** 1981;28(1):51–8
The glomerular polyanion (GPA) of the rat kidney. I. Concanavalin-A activated cells affect the glomerular polyanion in vitro. Bakker WW, et al. **Nephron** 1982; 31(1):68–74
Concanavalin A-induced suppressor cell activity in focal glomerular sclerosis. Matsumoto K, et al. **Nephron** 1982; 31(1):27–30
Suppressor T cells in the specific control of the carrier response to schistosomula in mice infected with Schistosoma mansoni. Ramalho-Pinto FJ, et al. **Parasite Immunol** 1981 Autumn;3(3):219–26
Suppressor T cells. Schaaf-Lafontaine N, et al. **Pathol Res Pract** 1981 Apr;171(2):159–72
Suppressor cells in kidney allograft tolerance. Charpentier B, et al. **Proc Eur Dial Transplant Assoc** 1981;18:486–90
Suppressor cell activity in human renal allograft recipients. Hammer C, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:454–8
Activation of a suppressor T-cell pathway by interferon. Aune TM, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(12):3808–12
Immunoregulation in senescence: increased inducibility of antigen-specific suppressor T cells and loss of cell sensitivity to immunosuppression in aging mice. Doria G, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3803–7
Microenvironmental immunoregulation: possible role of contrasuppressor cells in maintaining immune responses in gut-associated lymphoid tissues. Green DR, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):889–92
Functional association of idiotypic and I-J determinants on the antigen receptor of suppressor T cells. Okuda K, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4557–61
Immunological agnosis: a state that derives from T suppressor cell inhibition of antigen-presenting cells. Ptak W, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2645–8
Suppressor factor from a T cell hybrid inhibits delayed-type hypersensitivity responses to azobenzenearsonate. Whitaker RB, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6441–5
Suppressor T cells prevent in vitro expression of IgM rheumatoid factor in some health adults. Koopman WJ. **Proc Soc Exp Biol Med** 1981 Dec;168(3):344–9
Suppressor T cell activity in rheumatoid arthritis and systemic lupus erythematosus. Sakane T, et al. **Ryumachi** 1981;21 Suppl:115–22
A megakaryocytic thrombocytopenia associated with the excess of Leu 2a+ suppressor cells. Worman CP, et al. **Scand J Haematol** 1982 Mar;28(3):215–9
Ia antigens on antigen-presenting cells do not carry the same Ia specificities as detected on suppressor and helper T cells. Asano Y, et al. **Scand J Immunol** 1981;13(4):353–9
Requirements for induction of specific suppressor T cells and detection of their H-2 antigen-binding receptors by fractionation on target cell monolayers. Brondz BD, et al. **Scand J Immunol** 1981;13(6):517–34
Colony formation by subpopulations of human T lymphocytes. II. Characteristics of colony cells and colony suppressor cells. Claësson MH, et al. **Scand J Immunol** 1981; 13(4):395–400
Con A-induced suppressor cell activity and T-lymphocyte subpopulations in peripheral blood lymphocytes of patients with rheumatoid arthritis and juvenile rheumatoid arthritis. Dobloug JH, et al. **Scand J Immunol** 1981;13(4):367–73
Concanavalin A induces suppressor cell activity in both T gamma and T non-gamma cells: most of the suppressor cells do not carry HLA-DR antigens. Dobloug JH, et al. **Scand J Immunol** 1982;15(1):87–95
Concanavalin A-induced suppressor cell activity in lipoid nephrosis. Osakabe K, et al. **Scand J Immunol** 1981; 14(2):161–5
Epstein-Barr virus increases the proliferative response and the generation of suppressor and cytotoxic T-cell functions in autologous mixed lymphocyte reaction. Palacios R. **Scand J Immunol** 1982;15(1):17–24
Concanavalin-A-induced suppressor lymphocytes in normal individuals. Smith CI, et al. **Scand J Immunol** 1981; 13(5):483–92
Suppressor T lymphocytes control the development of primary skin cancers in ultraviolet-irradiated mice. Fisher MS, et al. **Science** 1982 Jun 4;216(4550):1133–4
Production of a hybridoma T suppressor cell and suppressor factor. Niederhuber JE, et al. **Surgery** 1982 Aug; 92(2):146–52
Donor-specific suppressor cells in renal allograft recipients: technical aspects and clinical studies. Dossetor JB, et al. **Transplant Proc** 1981 Sep;13(3):1645–8
Does blood transfusion induce a nonspecific suppression of cell-mediated immunity? Jeannet M, et al. **Transplant Proc** 1982 Jun;14(2):325–8
Characterization of transfusion-induced suppressor cells in prospective kidney allograft recipients. Lenhard V, et al. **Transplant Proc** 1982 Jun;14(2):329–32
Specific recipient-donor unresponsiveness mediated by a suppressor cell system in human kidney allograft tolerance. Charpentier BM, et al. **Transplantation** 1982 May; 33(5):470–7
Suppressor cells in transplantation tolerance. I. Analysis of the suppressor status of neonatally and adoptively tolerized rats. Dorsch S, et al. **Transplantation** 1982 May; 33(5):518–24
Suppressor cells in transplantation tolerance. II. Identification and probable mode of action of chimeric suppressor T cells. Dorsch S, et al. **Transplantation** 1982 May;33(5):525–9
In vitro generation of helper T cells and suppressor T cells that regulate the cytolytic T lymphocyte response to trinitrophenyl-modified syngeneic cells. Gualde N, et al. **Transplantation** 1982 Apr;33(4):422–6
B cell, helper T cell, and suppressor T cell abnormalities contribute to disordered immunoglobulin synthesis in patients following bone marrow transplantation. Korsmeyer SJ, et al. **Transplantation** 1982 Feb;33(2):184–90
Regulation of delayed-type hypersensitivity. VI. Antigen-specific suppressor T cells and suppressor factor for delayed-type hypersensitivity to histocompatibility antigens. Liew FY. **Transplantation** 1982 Jan;33(1):69–76
Suppressor cells in mice bearing intact skin allografts after blood transfusions. Maki T, et al. **Transplantation** 1981 Dec; 32(6):463–6
Optimum conditions for the reproducible measurement of concanavalin A-activated suppressor cell activity. Ratliff TL, et al. **Transplantation** 1982 May;33(5):505–9
Suppressor cells in transplantation tolerance. I. Suppressor cells in the mechanism of tolerance in radiation chimeras. Tutschka PJ, et al. **Transplantation** 1981 Sep;32(3):203–9
Suppressor cells in transplantation tolerance. II. maturation of suppressor cells in the bone marrow chimera. Tutschka PJ, et al. **Transplantation** 1981 Oct;32(4):321–5
Suppressor cells in transplantation tolerance. III. The role of antigen in the maintenance of transplantation tolerance. Tutschka PJ, et al. **Transplantation** 1982 May;33(5):510–4
[Suppression mechanisms of the immune system. Cell types, mediators and genetic regulation] Davidsen B, et al. **Ugeskr Laeger** 1981 Jun 15;143(25):1577–82 (Eng. Abstr.) **(Dan)**
[Recurrent primary erythroblastopenia in adults. Possible suppressive role of mononuclear blood cells on erythropoiesis] Turpin F, et al. **Rev Med Interne** 1981; 2(4):395–400 (Eng. Abstr.) **(Fre)**
[Studies on conconavalin A-induced suppressor cell function and soluble immune suppressor supernatant from conconavalin A-induced suppressor cells in the healthy donors and patients with chronic active rheumatoid arthritis (author's transl)] Kobayashi K. **Arerugi** 1982 Mar; 31(3):157–65 (Eng. Abstr.) **(Jpn)**
[Lymphocytes reactivities against rat neurogenic tumor: natural killer and suppressive activities (author's transl)] Tokuriki Y. **Nippon Geka Hokan** 1981 Nov 1;50(6):809–25 (Eng. Abstr.) **(Jpn)**
[Suppressor T cell function in atopic dermatitis (author's transl)] Amano M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Dec 15;91(14):1781–5 **(Jpn)**
[Suppressor cell function in pemphigus (author's transl)] Hashimoto K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Apr;91(5):569–73 **(Jpn)**
[Effect of the in vivo and in vitro MOPOC 315 treatment on contact sensitivity to DNFB in mice. Inhibition of the suppressive activity of splenic suppressor cells by the in vitro MOPC 315 treatment (author's transl)] Ikezawa Z, et al. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):629–36 **(Jpn)**
[Suppressor cell mechanisms in murine contact hypersensitivity (author's transl)] Ishii N, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):143–7 **(Jpn)**
[Immune abnormality in primary nephrotic syndrome—a study of cell mediated immunity with special reference to suppressor cell (author's transl)] Hibi I, et al. **Nippon Jinzo Gakkai Shi** 1981 Aug;23(8):1067–86 (Eng. Abstr.) **(Jpn)**
[Cell-mediated immunity in autoimmune thyroid diseases—evidence of defective antigen specific suppressor T-lymphocyte (author's transl)] Okita N, et al. **Rinsho Byori** 1982 Feb;30(2):150–7 **(Jpn)**
[A case of suppressor T cell malignant lymphoma associated

with early gastric cancer (author's transl)] Urushizaki Y, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1137–44 (Eng. Abstr.) **(Jpn)**

[Characteristics of suppressor cells associated with antitumor immunity and their elimination leading to enhancement of antitumor immunity (author's transl)] Kataoka T. **Seikagaku** 1982;54(3):139–50 (62 ref.) **(Jpn)**

[T-cell neoplasms with helper or suppressor activity] Rupniewska ZM. **Acta Haematol Pol** 1981 Jan–Mar; 12(1):53–61 (55 ref.) **(Pol)**

[Suppressor cell activity in multiple sclerosis and other nervous system diseases. Preliminary report] Czernicki J, et al. **Neurol Neurochir Pol** 1981 May–Jun;15(3):283–9 (Eng. Abstr.) **(Pol)**

[Human T-lymphocyte subpopulations: suppressor and helper lymphocytes. Their properties, study methods and behavior in different pathological syndromes] Płużańska A. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):383–91 (37 ref.) **(Pol)**

[Effect of suppressor cells on the formation of immunologic memory in mice of various strains] Aleĭnik DIa, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):701–2 (Eng. Abstr.) **(Rus)**

[Genetic restriction on interaction between the effects of delayed hypersensitivity and suppressor cells] Fontalin DN, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):58–61 (Eng. Abstr.) **(Rus)**

[Analysis of certain mechanisms of antigen-specific suppression of the immune response] Pisarev VM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):61–3 (Eng. Abstr.) **(Rus)**

[Ia antigens: markers of specific T suppressors immune to H-2 complex antigens] Brondz BD, et al. **Genetika (Moskva)** 1982 Apr;18(4):639–51 (Eng. Abstr.) **(Rus)**

[Selective inactivation of specific T-suppressors immune to H-2 complex antigens and prevention of their generation in vivo by antisuppressor xenogenic antibodies] Abronina IF, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1131–43 (Eng. Abstr.) **(Rus)**

[Depressor lymphocytes in bone allografting] Govallo VI, et al. **Ortop Travmatol Protez** 1981 Apr;(4):41–4 (Eng. Abstr.) **(Rus)**

[Stem cell inactivation by allogenic lymphocytes: characteristics of suppressor cells blocking the killer action of syngeneic lymphocytes] Ignat'eva GA, et al. **Tsitologiia** 1981 Dec;23(12):1386–94 (Eng. Abstr.) **(Rus)**

[Detection of suppressor lymphocytes in the blood of oncological patients by using a 3-component lymphocyte mixed culture] Govallo VI. **Vopr Onkol** 1981;27(9):30–6 (Eng. Abstr.) **(Rus)**

[Mechanisms of in vivo suppressive effect of togaviridae and bunyaviridae on the activity of effectors of graft vs host reaction] Khozinskiĭ VV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):99–103 (Eng. Abstr.) **(Rus)**

[Characteristics of bunyavirus- and togavirus-induced nonspecific suppressors inhibiting delayed hypersensitivity] Liapovka VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):64–6 (Eng. Abstr.) **(Rus)**

[Experimental induction by pertussis vaccine of nonspecific and specific T-suppressor cells inhibiting B-cell function] Prilepin NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):91–6 **(Rus)**

[T-T suppressor function induced by Con-A in patients with non-Hodgkin's lymphoma without previous treatment] Ruibal Ares B, et al. **Medicina (B Aires)** 1981;41 Suppl:118–22 (Eng. Abstr.) **(Spa)**

METABOLISM

Suppressor cell activity and beta-cell function in insulin-dependent diabetics. Buschard K, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):53–7

Isolation of human suppressor T cells by peanut agglutinin. Nakamura T, et al. **Int Arch Allergy Appl Immunol** 1982; 68(4):338–41

Dengue virus-induced suppressor factor stimulates production of prostaglandin to mediate suppression. Shukla MI, et al. **J Gen Virol** 1981 Oct;56(Pt 2):241–9

Interleukin 2 regulates immune interferon (IFN gamma) production by normal and suppressor cell cultures. Torres BA, et al. **J Immunol** 1982 May;128(5):2217–9

PATHOLOGY

Inducer and suppressor T-cells in hepatitis B virus-induced liver disease. Thomas HC, et al. **Hepatology** 1982 Mar–Apr; 2(2):202–4

PHYSIOLOGY

Suppressor cells function in healthy persons. Czernicki J, et al. **Acta Physiol Pol** 1981 Jul–Aug;32(4):461–7

The role of autologous helper and suppressor T cells in the regulation of human granulopoiesis. Barr RD, et al. **Am J Hematol** 1982 Jun;12(4):323–6

The suppressive activity of T-lymphocytes and serum factors in burned patients. Campa M, et al. **Burns Incl Therm Inj** 1982 Mar;8(4):231–7

Defective autologous mixed-lymphocyte reaction and suppressor cell generation in patients with inflammatory bowel disease. Ginsburg CH, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):1–9

Cellular regulation of gamma interferon production: Lyt phenotype of the suppressor cell. Torres BA, et al. **Infect Immun** 1982 Mar;35(3):770–6

In vitro cellular regulation of monocyte function: evidence for a radiosensitive suppressor. Kleinerman ES, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):373–80

Concanavalin A-induced suppressor cell activity and in vitro immunoglobulin secretion in rheumatoid arthritis: correlation with clinical and immunological parameters. Smolen JS, et al. **Rheumatol Int** 1981;1(3):115–20

RADIATION EFFECTS

Effect of irradiation on Concanavalin A-induced suppression of mitogen responses in human lymphocyte cultures. Petrini B, et al. **Int Arch Allergy Appl Immunol** 1982 Jan; 67(1):57–60

Spleen cells from adult mice given total lymphoid irradiation or from newborn mice have similar regulatory effects in the mixed leukocyte reaction. I. Generation of antigen-specific suppressor cells in the mixed leukocyte reaction after the addition of spleen cells from adult mice given total lymphoid irradiation. Okada S, et al. **J Exp Med** 1982 Aug 1;156(2):522–38

Ultraviolet radiation, T lymphocytes, and skin cancer [editorial] **Lancet** 1982 Sep 4;2(8297):530

Hybrid resistance to EL-4 lymphoma cells. II. Association between loss of hybrid resistance and detection of suppressor cells after treatment of mice with 89Sr. Leuvano E, et al. **Scand J Immunol** 1981;13(6):563–71

SECRETION

Suppressor factor produced by neonatal mouse spleen cells. Argyris BF. **Cell Immunol** 1981 Aug;62(2):412–24

Regulation of the human allogenic proliferative response in vitro. II. Production of soluble suppressor factors by suppressor T cells and evidence in favor of 'acceptor' cells for suppression among unprimed lymphocytes. Sasportes M, et al. **Immunogenetics** 1981;14(1–2):117–27

SUPPRESSOR MUTATION see **SUPPRESSION, GENETIC**

SUPPURATION

Therapeutic approaches to anaerobic infection. Tally FP. **Hosp Pract** 1981 Dec;16(12):117–24, 129–32

Pyosemia and carriage of chlamydia and ureaplasma in infertile men. Bennett AH, et al. **J Urol** 1982 Jul;128(1):54–6

DIAGNOSIS

Transient neonatal pustular melanosis. Merlob P, et al. **Am J Dis Child** 1982 Jun;136(6):521–2

DRUG THERAPY

[Use of immobilized bacterial proteases to prolong enzyme therapy of purulent surgical diseases] Kogan AS, et al. **Vestn Khir** 1982 Apr;128(4):60–3 **(Rus)**

SURGERY

['Laser scalpel' treatment of suppurative soft tissue diseases] Korolenko VB, et al. **Klin Khir** 1982 Jan;(1):41–3 (Eng. Abstr.) **(Rus)**

[Treatment errors in suppurative and inflammatory diseases] Mazchenko NS. **Vestn Khir** 1981 Nov;127(11):124–7 (Eng. Abstr.) **(Rus)**

THERAPY

[Effect of low-frequency ultrasound on pyogenic microflora] Ivanov VV. **Khirurgiia (Mosk)** 1982 Apr;(4):30–3 **(Rus)**

SUPRAOPTIC NUCLEUS see under **HYPOTHALAMUS**

SUPRASELLAR CYST see **CRANIOPHARYNGIOMA**

SUPROFEN see under **PHENYLPROPIONATES**

SURAL NERVE see under **SPINAL NERVES**

SURAMIN

IMMUNOLOGY

In vivo effect of naganol on the cytostatic activity of rat peritoneal macrophages. Toshkov A, et al. **Acta Microbiol Bulg** 1981;8:5–9

[Action of naganol on body protective mechanisms] Toshkov A, et al. **Acta Microbiol Bulg** 1980;7:3–14 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Heterophagic function and rate of intralysosomal proteolysis during lysosomotropic agents administration. Korolenko TA, et al. **Acta Biol Med Ger** 1981;40(10–11):1613–7

Differential inhibition of beta-hexosaminidase A and beta-hexosaminidase B by suramin. Constantopoulos G, et al. **Biochem Biophys Res Commun** 1981 Aug 31; 101(4):1345–9

Inhibition by suramin of oxidative phosphorylation in Crithidia fasciculata. Roveri OA, et al. **Comp Biochem Physiol [B]** 1982;71(4):611–6

Citrate synthase from Crithidia fasciculata: inhibition by adenine nucleotides and suramin. Salvarrey MS, et al. **Comp Biochem Physiol [B]** 1982;72(1):165–8

Mg2+-activated adenosine triphosphatase from Crithidia fasciculata: purification and inhibition by suramin and efrapeptin. Higa AI, et al. **Mol Biochem Parasitol** 1981 Oct; 3(6):357–67

Inhibition of NADP-linked malic enzyme from Onchocerca volvulus and Dirofilaria immitis by suramin. Walter RD, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):53–60

Effect of suramin on the activities of degradative enzymes of sphingolipids in rats. Constantopoulos G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):87–97

[Effect of suramin on digestion of 14C-labelled albumin in heterolysosomes of rat liver subcellular fractions] Pupyshev AB, et al. **Biokhimiia** 1981 Jul;46(7):1167–74 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Hepatic mixed-function oxidase activity in mice infected with Trypanosoma brucei gambiense or treated with trypanocides. Sherzer HG, et al. **Mol Biochem Parasitol** 1981 Aug;3(4):199–204

Litomosoides carinii infection in cotton-rats: evolution of microfilaraemia before and after treatment with diethylcarbamazine and suramin. Carme B, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):418–20

TOXICITY

Organomegaly and histopathology in an animal model of mucopolysaccharidosis induced by suramin. Rees S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):262–70

SURFACE-ACTIVE AGENTS

see related
PULMONARY SURFACTANT

A fluorimetric method for the estimation of the critical micelle concentration of surfactants. De Venditiis E, et al. **Anal Biochem** 1981 Aug;115(2):278–86

A new detergent for the solubilization of the vitamin K-dependent carboxylation system from liver microsomes: comparison with triton X-100. Girardot JM, et al. **Anal Biochem** 1982 Apr;121(2):315–20

Skull preparation using the exzyme-active detergent technique. Mooney MP, et al. **Anat Rec** 1982 Jan; 202(1):125–9

Differences in stability against thermal unfolding between trypsin- and detergent-solubilized cytochromes b5 and structural changes in the heme vicinity upon the transition: resonance Raman and absorption study. Kitagawa T, et al. **Biochemistry** 1982 Mar 30;21(7):1680–6

Different states of aggregation for unbleached and bleached rhodopsin after isolation in two different detergents. McCaslin DR, et al. **Biochemistry** 1981 Sep 1; 20(18):5212–21

Effects of detergent micelles on the recombination reaction of opsin and 11-cis-retinal. McCaslin DR, et al. **Biochemistry** 1981 Sep 1;20(18):5207–12

Mg2+ and Mn2+ effects on membrane-bound and detergent-solubilized adenylate cyclase. Drummond GI. **Can J Biochem** 1981 Sep;59(9):748–56

Detergent activation of the binding protein in the folate radioassay. Hansen SI, et al. **Clin Chem** 1982 Jan; 28(1):117–8

Soft contact lens cleaning: a scanning electron microscopic study. Hesse RJ, et al. **Contact Intraocular Lens Med J** 1982 Jan–Mar;8(1):23–8

Effects of detergent on ornithine decarboxylase from rat liver. Stabilization and renaturation. Kitani T, et al. **Eur J Biochem** 1981 Sep;119(1):177–81

The interaction of detergents with phospholipid vesicles: a spectrofluorimetric study. Alonso A, et al. **FEBS Lett** 1982 Jan 11;137(1):141–5

Detergent-like properties of polyethyleneglycols in relation to model membranes. Sáez R, et al. **FEBS Lett** 1982 Jan 25;137(2):323–6

Sperm specific antigen(s) in detergent extract of rhesus monkey spermatozoa. Yang SL, et al. **Fertil Steril** 1982 May;37(5):680–5

Evaluation of the ability of Tween 80, dimethylsulphoxide and Triton X-100 to enhance immunocytochemical staining of autoradiograms. Herbert DC, et al. **Histochem J** 1982 Jan;14(1):161–4

Stain removal from a pigmented silicone maxillofacial elastomer. Yu R, et al. **J Dent Res** 1982 Aug;61(8):993–6

Increase in size of sonicated phospholipid vesicles in the presence of detergents. Alonso A, et al. **J Membr Biol** 1982; 67(1):55–62

Effects of structural variations on non-ionic surfactants on micellar properties and solubilization: surfactants containing very long hydrocarbon chains. Arnarson T, et al. **J Pharm Pharmacol** 1981 Mar;33(3):141–4

Effects of structural variations of non-ionic surfactants on micellar properties and solubilization: variation of oxyethylene content on properties of C22 monoethers. Arnarson T, et al. **J Pharm Pharmacol** 1982 Feb;34(2):87–9

The kinetics of solubilization of single component non-polar oils by a non-ionic surfactant. Carroll BJ, et al. **J Pharm Pharmacol** 1982 May;34(5):287-92

Liquid membrane phenomena in haloperidol action. Bhise SB, et al. **J Pharm Sci** 1982 May;71(5):526-9

Effect of docusate sodium on drug release from a controlled-release dosage form. Chambliss WG, et al. **J Pharm Sci** 1981 Nov;70(11):1248-51

Role of a non-ionic detergent upon maintenance and radioisotopic determination of enzymes catechol-O-methyltransferase and monoamine oxidase in brain and adrenal tissues. Chaudhuri S, et al. **J Pharmacol** 1982 Jan-Mar;13(1):21-9

Absorption loss of peptides to the plastic tube in radioreceptor assay of calcitonin and beta-endorphin: protection by detergents. Koida M, et al. **Jpn J Pharmacol** 1982 Jun;32(3):413-8

Detergents for extraction of visual pigments: types, solubilization, and stability. Fong SL, et al. **Methods Enzymol** 1982;81:133-40

Sequence-dependent conformations of short polypeptides in a hydrophobic environment. Wu CS, et al. **Mol Cell Biochem** 1981 Oct 30;40(2):109-22

The influence of emulsifiers on drug diffusion from o/w creams. Provost C, et al. **Pharm Weekbl [Sci]** 1981 Dec 18;3(6):248-51

Characterization of the binding of Triton X-100 to equine and rabbit serum albumin. Sukow WW, et al. **Physiol Chem Phys** 1981;13(5):455-9

Experimental pancreatitis after surfactant exposure. O'Leary JF, et al. **Surg Gynecol Obstet** 1982 May;154(5):681-8

Skeletal muscle myopathy caused by triton WR-1339. Trout JJ, et al. **Virchows Arch [Cell Pathol]** 1981;38(1):77-88

A new detergent for the study of visual pigments. Kropf A. **Vision Res** 1982;22(4):495-7

[Percutaneous absorption of various terpenes - menthol, camphene, limonene, isoborneol-acetate, alpha-pinene - from foam baths (author's transl)] Schäfer R, et al. **Arzneimittelforsch** 1982;32(1):56-8 (Eng. Abstr.) **(Ger)**

[A contribution to the characterization of incompatibilities of drugs with polyethylene glycols and ethoxylated tensides (author's transl)] Voigt R, et al. **Pharmazie** 1982 Jan; 37(1):22-5 (Eng. Abstr.) **(Ger)**

[Syndets for the cleansing of healthy and diseased skin. Effect and dermatotherapeutic indications] Braun-Falco O, et al. **Ther Ggw** 1981 Nov;120(11):1028-45 **(Ger)**

[The new method for agarose gel electrophoresis of LDH isozymes using Tego-51 (author's transl)] Saito T, et al. **Rinsho Byori** 1981 Dec;29(12):1263-6 **(Jpn)**

[Improvement of surface characteristics of a hydrophobic drug by use of a surfactant: effect of hydrophilization on the dissolution rates of phenylbutazone capsules (author's transl)] Matsuda Y, et al. **Yakugaku Zasshi** 1982 Jan; 102(1):76-82 **(Jpn)**

ADMINISTRATION & DOSAGE

Dimethylpolysiloxane as an adjuvant in double-contrast barium enema. Virkki R, et al. **Eur J Radiol** 1981 May; 1(2):134-6

Enhancement of the intestinal absorption of ergot peptide alkaloids in the rat by micellar solutions of polyoxyethylene-24-cholesteryl ether. Franz JM, et al. **J Pharm Pharmacol** 1981 Sep;33(9):565-8

Altered ocular absorption and disposition of sodium cromoglycate upon ion-pair and complex coacervate formation with dodecylbenzyldimethylammonium chloride. Wilson CG, et al. **J Pharm Pharmacol** 1981 Dec; 33(12):749-53

ADVERSE EFFECTS

Scuba diver's delayed toxic epithelial keratopathy from commercial mask defogging agents. Wright WL. **Am J Ophthalmol** 1982 Apr;93(4):470-2

Pigmented cosmetic dermatitis from contact allergy to a toilet soap containing chromium. Mathias CG. **Contact Dermatitis** 1982 Jan;8(1):29-31

Facial dermatitis from allyl phenoxyacetate in a dry carpet shampoo. Taylor AE, et al. **Contact Dermatitis** 1982 Jan; 8(1):70

Disulfiram-alcohol reaction caused by contact lens wetting solution [letter] Refojo MF. **Contact Intraocular Lens Med J** 1981 Apr-Jun;7(2):172

Irritancy of low concentrations of soap and synthetic detergents as measured by skin water loss. Hassing JH, et al. **Dermatologica** 1982 May;164(5):314-21

Eliminating chemical redundancy, cost, and hazard. Lee M. **Dimens Health Serv** 1982 Apr;59(4):14-5

The case of the clean rug. Docktor WJ. **Drug Intell Clin Pharm** 1981 Sep;15(9):694-6

Kawasaki syndrome: association with the application of rug shampoo. Patriarca PA, et al. **Lancet** 1982 Sep 11; 2(8298):578-80

Bronchiolar pathology. IV. a morphometric analysis of the incidence and location of lesions induced in rabbits by intratracheally injected detergent solutions. Ionescu J, et al. **Morphol Embryol (Bucur)** 1981 Jul-Sep;27(3):257-63

Effect of ethinyl estradiol and triton WR 1339 on bile formation and sulfobromophthalein transport maximum (BSPTm) in the rat. Hoenig V. **Pharmacol Res Commun** 1981 Nov;13(10):903-8

Dermatitis from carpet cleaner [letter] McAllister E. **Vet Rec** 1982 Jun 12;110(23):565

[Influence of soap and Syndet upon alkali resistance (author's transl)] Graf G, et al. **Derm Beruf Umwelt** 1981; 29(5):139-41 (Eng. Abstr.) **(Ger)**

ANALYSIS

Surfactant 'apoproteins' in human amniotic fluid: an enzyme-linked immunosorbent assay for the prenatal assessment of lung maturity. Shelley SA, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):224-8

Biochemical and surface characteristics of human tear proteins. Holly FJ, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):43-50

The dissipation of nonylphenol in stream and pond water under simulated field conditions. Sundaram KM, et al. **J Environ Sci Health [B]** 1981;B16(6):767-76

The influence of emulsifiers on drug diffusion from o/w creams. Provost C, et al. **Pharm Weekbl [Sci]** 1981 Dec 18;3(6):248-51

[Synthetic detergent (MBAS) in river and sewage water, Kagoshima City, Japan (author's transl)] Watanabe N. **Nippon Eiseigaku Zasshi** 1981 Dec;36(5):795-800 (Eng. Abstr.) **(Jpn)**

[Summary determination of sintanol, sintamid and sulfonol by a polarographic method] Pavlov VN, et al. **Gig Sanit** 1981 Jun;(6):49-50 **(Rus)**

[Modified method of determining azure dye containing surface-active substances used in sanitary engineering] Pochkin IuN, et al. **Gig Sanit** 1982 Feb;(2):78 **(Rus)**

[Need for regulating the residual amounts of surface-active substances in the linens of obstetrical institutions] Podunova LG, et al. **Gig Sanit** 1982 May;(5):81-2 **(Rus)**

[Spectrophotometric determination of toxic surface-active substances in water] Zhebentiaev AI. **Gig Sanit** 1981 Oct; (10):67-8 **(Rus)**

CHEMICAL SYNTHESIS

The synthesis of a photolabile detergent and its use in the isolation and characterization of protein. Epstein WW, et al. **Anal Biochem** 1982 Jan 15;119(2):304-12

DIAGNOSTIC USE

Alamethicin or detergent permeabilization of the cell membrane as a tool for adenylate cyclase determination. Bonnafous JC, et al. **Biochim Biophys Acta** 1982 Jun 8; 720(3):235-41

Comparative studies on detergents - chlorhexidinum gluconicum, ditalan wo hc, sodium-laurylsulphate, laurosept, nekal bx - used for homogenization of diagnostic specimens in the microbiological diagnostic of tuberculosis. Pichula K, et al. **Z Erkr Atmungsorgane** 1981;156(3):255-66

ISOLATION & PURIFICATION

[Fractionation of nonionogenic surface-active substances] Afonin NI, et al. **Probl Gematol Pereliv Krovi** 1982 Jun; 27(6):61-3 **(Rus)**

METABOLISM

A single-step method to concentrate and desalt proteins which is also useful for determination of detergent binding to membrane proteins. Rivas E, et al. **Anal Biochem** 1982 Jun;123(1):194-200

Self-association of myelin basic protein: enhancement by detergents and lipids. Smith R. **Biochemistry** 1982 May 25; 21(11):2697-701

Metabolism of complex mixtures of oil spill surfactant compounds by a representative teleost (Salmo gairdneri), crustacean (Cancer irroratus), and mollusc (Chlamys islandicus). Payne JF. **Bull Environ Contam Toxicol** 1982 Mar;28(3):277-80

PHARMACODYNAMICS

The action of six lipid perturbing substances on hormone receptor adenylate cyclase complex in turkey erythrocytes and intestinal mucosa cells. Grynne BH, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):283-93

Studies on hydragogue drugs: effect of surfactants on cAMP levels in the rat jejunal mucosa in short time experiments in vivo. Sund RB, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):110-5

Net sodium and glucose transport in the jejunum, ileum and colon of anaesthetized rats in response to intraluminal theophylline and anionic surfactants. Sund RD, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):65-71

Research on the use of surface active substances in the protection against Schistosoma cercariae. Combes C, et al. **Acta Trop (Basel)** 1982 Mar;39(1):79-84

Mechanism of inactivation of hepatitis B surface antigen by N alpha-cocoyl-L-arginine ethyl ester. Sugimoto Y, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):120-7

Phospholipase A2 activity on mixed lipid monolayers: inhibition and activation of phospholipases A2 from porcine pancreas and Crotalus adamanteus by anionic and neutral amphiphiles. Hendrickson HS, et al. **Arch Biochem Biophys** 1981 Dec;212(2):508-14

Interaction of Triton X-100 with particulate cardiac guanylate cyclase: comparison between Mg2+- and Mn2+-supported enzyme activities in particulate. detergent-solubilized and detergent-insoluble fractions. Narayanan N, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):166-78

New coal tar extract and coal tar shampoos. Evaluation by epidermal cell DNA synthesis suppression assay. Lowe NJ, et al. **Arch Dermatol** 1982 Jul;118(7):487-9

Detergent-catalyzed autoxidation of hemoglobin - species differences and implications for methemoglobin analyses. Kruszyna H, et al. **Arch Toxicol** 1981 NOV;49(1):43-8

Subcellular distribution of phospholipid-sensitive calcium-dependent protein kinase in guinea pig heart, spleen and cerebral cortex, and inhibition of the enzyme by Triton X-100. Katoh N, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):590-5

Modulation of acetylcholinesterase activity by glycoside-detergents and their solubilization efficiency for neuronal membranes from bovine nucleus caudatus. Landauer P, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):848-55

Effects of octyl beta-glucoside on insulin binding to solubilized membrane receptors. Gould RJ, et al. **Biochemistry** 1981 Nov 24;20(24):6776-81

Hemolysis caused by polyoxyethylene-derived surfactants. Evidence for peroxide participation. Azaz E, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):444-9

Effects of two albumins and two detergents on the activity of bovine milk lipoprotein lipase against very low density and high density lipoprotein lipids. Eisenberg S, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):454-62

Detergent-induced proteolysis of rabbit intestinal brush border vesicles. Gains N, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):211-7

Thermodynamic and kinetic studies of the interaction between T5-phages and their receptor, isolated from Escherichia coli b, in the absence and presence of Triton X-100. Zarybnicky V, et al. **Biophys J** 1981 Sep; 35(3):615-36

Evidence that eosinophils catalyze the bromide-dependent decarboxylation of amino acids. Cramer R, et al. **Blood** 1981 Dec;58(6):1112-8

Divalent cations and fast axonal transport in chemically desheathed (Triton X-treated) frog sciatic nerve. Kanje M, et al. **Brain Res** 1982 Jun 3;241(1):67-74

Effects of surface-active alkyltrimethylammonium salts on concanavalin A-mediated agglutination in Acanthamoeba castellanii. Paatero G, et al. **Eur J Cell Biol** 1981 Aug; 25(1):66-70

Parthenogenetic activation of sea urchin egg induces a cyclical variation of the cytoplasmic resistance to hexylene glycol-Triton X-100 treatment. Coffe G, et al. **Exp Cell Res** 1982 Jan;137(1):63-72

Necessity of detergent for efficient puromycin-mediated release of nascent peptides from rat liver ribosomes. Oda T, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):783-90

Desensitization to Mg2+ of the phosphoenzyme in sarcoplasmic reticulum Ca2+-ATPase by the addition of a nonionic detergent and the restoration of sensitivity after its removal. Yamamoto T, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):477-86

Physical studies on the rabbit hepatic galactoside-binding protein. Effects of calcium and ligands. Andersen TT, et al. **J Biol Chem** 1982 Jul 25;257(14):8036-41

Wetting effects of surface treatments on inlay wax-investment combinations. Morrison JT, et al. **J Dent Res** 1981 Nov;60(11):1858-60

Preliminary notes on the molluscicidal effect of some surface active agents. Omran LA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):207-11

Polypeptide synthesis catalysed by components of Pichinde virus disrupted by detergent. Chinault DN, et al. **J Gen Virol** 1981 Jul;55(Pt 1):213-7

Effect of chemical water pollution on the physiological activity of microorganisms. Daubner I, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):286-92

Action of detergents and pre- and postsynaptic localization of 3H-naloxone binding in synaptosomal membranes. A structural approach. Criado M, et al. **J Neurobiol** 1981 May; 12(3):259-67

Non-ionic surfactants and gastric mucosal transport of paraquat. Walters KA, et al. **J Pharm Pharmacol** 1981 Apr; 33(4):207-13

Solubilization of delta -3 beta-hydroxysteroid dehydrogenase with delta 5-delta 4 isomerase and 17 beta-hydroxysteroid dehydrogenase from rat testicular microsomal fraction by several detergents. Inano H, et al. **J Steroid Biochem** 1982 Apr;16(4):587-93

Emergency induction of emesis using liquid detergent products [letter] Cloyd GG. **J Toxicol Clin Toxicol** 1982 Apr;19(2):231

Detergent solubilization and hydrophobic chromatography of rat brain phosphatidylinositol kinase. Bostwick JR, et al. **Neurochem Res** 1981 Oct;6(10):1053-65

The effect of EDTAC and the variation of its working time analyzed with scanning electron microscopy. Goldberg F, et al. **Oral Surg** 1982 Jan;53(1):74-7

The effect of surfactants upon the activity and distribution of glucosyltransferase in Streptococcus mutans 6715. Wernette CM, et al. **Pharmacol Ther Dent** 1981; 6(3-4):99-107

The enhancement of streptokinase activation of plasminogen by nonionic detergents and by serum albumin. Tang J, et al. **Thromb Res** 1981 Nov 15;24(4):359-65

Effect of sodium benzene sulphonate on adults and eggs of Lymnaea natalensis and miracidia of Fasciola gigantica.

Cheruiyot HK. **Vet Rec** 1982 Jan 2;110(1):17

Some characteristics of Sendai virus envelope solubilization by different detergents. Tomas E, et al. **Virologie** 1982 Jan-Mar;33(1):53-7

Effects of detergents and organic solvents on rat liver microsomal UDP-glucuronosyltransferase activity towards phenolic substrates. Illing HP, et al. **Xenobiotica** 1981 Oct; 11(10):709-18

Fluorescence energy transfer between ATPase monomers in sarcoplasmic reticulum reconstituted vesicles, in the presence of low concentrations of a nonionic detergent. Champeil P, et al. **Z Naturforsch [C]** 1982 May-Jun; 37(5-6):513-6

The influence of detergents on the Ca2+- and Mg2+-dependent adenosine triphosphatase of the sarcoplasmic reticulum. Lüdi H, et al. **Z Naturforsch [C]** 1982 Mar-Apr;37(3-4):299-307

[Animal experiments and clinical studies on spermicidal vaginal films and suppositories containing surface active alkylpolyethoxyphenoxyethanol (author's transl)] Diao XH. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):80-3 **(Chi)**

[Preoperative hand hygiene in hospital] Sels P, et al. **J Pharm Belg** 1981 Sep-Oct;36(5):277-82 (Eng. Abstr.) **(Fre)**

[On the influence of frequent hair washing on the human sebaceous gland (author's transl)] Wirth H, et al. **Dermatol Monatsschr** 1982 Feb;168(2):75-81 (Eng. Abstr.) **(Ger)**

[Value of antiseptic soaps] Sprössig M, et al. **Z Gesamte Hyg** 1982;28(1):59-60 (Eng. Abstr.) **(Ger)**

[The effect of the synthetic detergents on the formazan formation of various environmental bacteria (author's transl)] Dákay M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;174(1-2):121-4 (Eng. Abstr.) **(Ger)**

[Effect of surfactants on the in vitro enzymatic hydrolysis of chloramphenicol stearate] Bernabei MT, et al. **Farmaco [Prat]** 1981 Jun;36(6):294-303 (Eng. Abstr.) **(Ita)**

[The influence of surfactants on the skin (author's transl)] Kawai M, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Mar; 92(4):465-71 **(Jpn)**

[Membrane proteins in detergent solutions--with special attention to band 3 protein from erythrocyte membranes (author's transl)] Makino S. **Seikagaku** 1981;53(5):327-32 (25 ref.) **(Jpn)**

[Surfactant-induced conformation of polypeptides and proteins in relation to amino acid sequence (author's transl)] Yang JT. **Tanpakushitsu Kakusan Koso** 1981 May; 26(6):803-14 (63 ref.) **(Jpn)**

[Effect of detergents on iodophor toxicity. I. Effect of detergents on acute toxicity and iodophor cumulation coefficient] Seńczuk W, et al. **Rocz Panstw Zakl Hig** 1981; 32(3):197-200 (Eng. Abstr.) **(Pol)**

[Effect of chemical defoaming agents on the mass exchange rate in the oxytetracycline biosynthesis process] Kovalev VN, et al. **Antibiotiki** 1982 Apr;27(4):263-9 (Eng. Abstr.) **(Rus)**

[Comparison of the antimicrobial properties of catamin AB and rockal and their action on bacterial membrane systems] Rudzit EA, et al. **Antibiotiki** 1981 Nov;26(11):847-52 (Eng. Abstr.) **(Rus)**

[Simulation of lipid environment of Ca-dependent ATPase from the sarcoplasmic reticulum of skeletal muscles by non-ionic detergents] Akimova EI, et al. **Biokhimiia** 1981 Dec;46(12):2242-9 (Eng. Abstr.) **(Rus)**

[Effect of cationic surface-active agents on neuromuscular transmission in smooth muscle] Rybal'chenko VK, et al. **Fiziol Zh** 1982 Mar-Apr;28(2):239-42 **(Rus)**

[Complex effect of surface-active substances on the process of microbiological hydrocarbon oxidation] Kucher RV, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):1105-8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Tween 80 increases plasma adriamycin concentrations in mice by an apparent reduction of plasma volume. Harrison SD Jr, et al. **Eur J Cancer** 1981 Apr;17(4):387-9

Human surfactant: a therapeutic trial in premature rabbits. Schneider HA, et al. **J Pediatr** 1982 Apr;100(4):619-22

Cost effectiveness in treating deep pressure sores and ulcers. Nasar MA, et al. **Practitioner** 1982 Feb;226(1364):307-10

[Abdominal CT: role of a gas reducing drug (author's transl)] Sarrat P, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):222-4 (Eng. Abstr.) **(Fre)**

TOXICITY

Damaging effect of detergents on human lymphocytes. Hrabák A, et al. **Bull Environ Contam Toxicol** 1982 Apr; 28(4):504-11

Mutagenicity of 2,4,6-trinitrotoluene-surfactant complexes. Kaplan DL, et al. **Bull Environ Contam Toxicol** 1982 Jan; 28(1):33-8

Effect of nonoxynol-9, a detergent with spermicidal activity, on malignant transformation in vitro. Long SD, et al. **Carcinogenesis** 1982;3(5):553-7

The effects of oil, dispersant, and emulsions on the survival and behavior of an estuarine teleost and an intertidal amphipod. Butler RG, et al. **Environ Res** 1982 Apr; 27(2):266-76

Effects of several detergents and dietary fiber added to a diet on intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):389-92

Acute toxicity of polyethylene glycol p-isooctylphenol ether in syrian hamsters exposed by inhalation or bronchopulmonary lavage. Damon EG, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):53-61

[Histopathological and electron-microscopic studies of rat lung after long-term exposure to the components of 'Jawox' cleaning powder] Houszka M, et al. **Patol Pol** 1981; 32(2):269-76 (Eng. Abstr.) **(Pol)**

[Effect of dioxalim and oxamide on succinate- and lactate-dehydrogenase activity in liver, kidney and brain tissues and on bone marrow chromosomes in rats] Fomochkin IP, et al. **Farmakol Toksikol** 1981 Sep-Oct; 44(5):611-6 **(Rus)**

[Hygienic standard for dioxalim in reservoir water] Fomochkin IP, et al. **Gig Sanit** 1982 Jun;(6):70-2 **(Rus)**

[Hygienic characteristics of nonionogenic surface-active substances] Novikov IuV, et al. **Gig Sanit** 1981 Aug; (8):60-3 **(Rus)**

[Hygienic assessment of 2 new surface-active substances as a pollution factor in water sources] Perminov VI, et al. **Gig Sanit** 1982 Feb;(2):85-6 **(Rus)**

[Hygienic and economic evaluation of the standards for the expenditure of industrial surface-active substances for controlling dust] Bolotov AM. **Gig Tr Prof Zabol** 1981; (12):10-2 (Eng. Abstr.) **(Rus)**

[Use of mathematical method in the planning of experimental dermatological evaluation of surfactant mixtures] Alchangian LV, et al. **Vestn Dermatol Venerol** 1982; (1):32-5 (Eng. Abstr.) **(Rus)**

SURFACE ANTIGENS see **ANTIGENS, SURFACE**

SURFACE PROPERTIES

A new test based on 'salting out' to measure relative surface hydrophobicity of bacterial cells. Lindahl M, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):471-6

Preparation and ESCA characterization of poly(vinyl chloride) surface-grafted with heparin-complexing poly(amido amine) chains. Ferruti P, et al. **Biomaterials** 1982 Jan;3(1):33-7

Surface binding rates of nonfluorescent molecules may be obtained by total internal reflection with fluorescence correlation spectroscopy [letter] Thompson NL. **Biophys J** 1982 Jun;38(3):327-9

Effect of surface roughness on platelet adhesion under static and under flow conditions. Zingg W, et al. **Can J Surg** 1982 Jan;25(1):16-9

Bilirubin interactions with phospholipid components of lung surfactant. Notter RH, et al. **Pediatr Res** 1982 Feb; 16(2):130-6

SURFACE TENSION

Interfacial tension effects in the microvasculature. Sherman IA. **Microvasc Res** 1981 Nov;22(3):296-307

[A study of the pulmonary surface tension in experimentally induced asthma. With reference to alteration of the pulmonary surface tension in active sensitization and local desensitization (author's transl)] Katoh H. **Nippon Ika Daigaku Zasshi** 1981 Apr;48(2):286-96 (Eng. Abstr.) **(Jpn)**

[Method of determining the surface tension of biological fluids] Belokurov OG, et al. **Lab Delo** 1981;(6):369-70 **(Rus)**

SURFACTANT, PULMONARY see **PULMONARY SURFACTANT**

SURFACTANTS see **SURFACE-ACTIVE AGENTS**

SURGERY

Abstracts of papers presented at the 40th Congress of the Scandinavian Surgical Society. Reykjavek, Iceland, 11-13 June 1981. **Acta Chir Scand [Suppl]** 1981;506:1-109

HBsAG transmission from a cardiac surgeon incubating hepatitis B resulting in chronic antigenemia in four patients. Haerem JW, et al. **Acta Med Scand** 1981;210(5):389-92

Psychiatric components of medical and surgical practice: a survey of general hospital physicians. Fauman MA. **Am J Psychiatry** 1981 Oct;138(10):1298-1301

Is routine crossmatching for two units of blood necessary in elective surgery? Argov S, et al. **Am J Surg** 1981 Sep; 142(3):370-1

Hayes Martin Lecture. The head and neck oncologic surgeon: self-evaluation. Jesse RH. **Am J Surg** 1981 Oct; 142(4):428-30

Observations on the American Board of Surgery In-Training examination, board results, and conference attendance. Shetler PL. **Am J Surg** 1982 Sep;144(3):292-4

Medical consultation on surgical services: an annotated bibliography. Gross R, et al. **Ann Intern Med** 1981 Oct; 95(4):523-9

Eighth Daniel C. Baker, Jr, Memorial lecture. Subcertification: a dilemma for otolaryngology--head and neck surgery. Reed GF. **Ann Otol Rhinol Laryngol** 1982 Jul-Aug;91(4 Pt 1):352-3

Generalism and specialisation in surgery. Bevan PG. **Ann R Coll Surg Engl** 1981 Nov;63(6):383-5

Ceremony of presentation of diplomates. Address. Cameron N. **Ann R Coll Surg Engl** 1981 Nov;63(6):447-9

Presidential address: The surgical presidency. Hanlon CR. **Ann Surg** 1982 Sep;196(3):233-8

Can an OR nurse tell the surgeon to stop? Schrader ES. **AORN J** 1982 Feb;35(2):183-6

Aseptic transgressions among surgeons and anesthesiologists: a quantitative study. Crow S, et al. **Arch Surg** 1982 Aug; 117(8):1012-6

General surgery [letter] Downs AR. **Arch Surg** 1982 Jul; 117(7):983

Surgeons and the surgical intensive care unit [editorial] Sugarman HJ. **Arch Surg** 1982 Apr;117(4):391

Hepatic damage after exposure to halothane in medical personnel. Neuberger J, et al. **Br J Anaesth** 1981 Nov; 53(11):1173-7

Use of the t test in the British Journal of Surgery [letter] Hall JC. **Br J Surg** 1982 Jan;69(1):55-6

Surgical decision making. Ruckley CV, et al. **Br J Surg** 1981 Dec;68(12):837-9

The surgeon's assistant in Canada. Gelfand ET. **Can J Surg** 1982 Jan;25(1):8

Surgeons as etiologists: the opportunities of nasal cancer [editorial] Shimkin MB. **Head Neck Surg** 1979 Sept-Oct; 2(1):1-2

Dermatology and surgery [letter] Field LM. **J Am Acad Dermatol** 1982 Jul;7(1):135-6

Inter-observer error among surgeons and nurses in presymptomatic detection of breast disease. Thomas DC, et al. **J Chronic Dis** 1981;34(12):617-26

Less than ten--surgeons with amputated fingers. Brown PW. **J Hand Surg** 1982 Jan;7(1):31-7

War of the roses in Union Springs. McDonald WH. **J Med Assoc State Ala** 1981 Sep;51(3):9-10, 15

TRS-80 (TM) and the surgeon. Rothman D. **J Med Soc NJ** 1981 Jul;78(7):538

Effect of donor surgeon on first cadaver kidney transplant function. Barry JM, et al. **J Urol** 1982 Feb;127(2):227-9

Here's a malpractice case that went in the doctor's favor. Kerr AS. **Mich Med** 1982 Mar;81(13):164

Six statistical suggestions for surgeons. Haines SJ. **Neurosurgery** 1981 Oct;9(4):414-8

The elective surgeon's personality and role confusion. Wright MR. **Otolaryngol Head Neck Surg** 1981 Sep-Oct; 89(5):776-9

Thinking of retirement? How to do less and enjoy it more. Gurdin M. **Plast Reconstr Surg** 1982 Mar;69(3):556-8

The work of the general practitioner surgeon. Williamson BC. **Practitioner** 1982 Mar;226(1365):521-2, 524-5

Communications programs of the Commission on Cancer, American College of Surgeons. Smart CR. **Prog Clin Biol Res** 1982;83:107-10

Spatial analysis of surgery locations in general practice. Curtis SE. **Soc Sci Med** 1982;16(3):303-13

Symposium on surgical health care delivery. **Surg Clin North Am** 1982 Aug;62(4):557-794

Should surgery be regionalized? Bunker JP, et al. **Surg Clin North Am** 1982 Aug;62(4):657-68

Organizational and financial influences on patterns of surgical care. LoGerfo JP. **Surg Clin North Am** 1982 Aug; 62(4):677-84

Quality assurance and surgical practice. McSherry CK. **Surg Clin North Am** 1982 Aug;62(4):751-9

Practice characteristics of surgeons in the United States. Peterson OL. **Surg Clin North Am** 1982 Aug;62(4):641-56

Presidential address: current relations between surgery and anesthesiology--a look at the other side. Freeark RJ. **Surgery** 1981 Oct;90(4):565-76

Alice through the looking glass-anesthesiology for the surgeon. Rogers MC. **Surgery** 1981 Nov;90(5):919-21

[Wartime surgery as an independent discipline (author's transl)] Rignault D, et al. **Chirurgie** 1981;107(8):644-9 (Eng. Abstr.) **(Fre)**

[The surgeons' criminal liability for homicide or involuntary injuries] Dorsner-Dolivet A. **Nouv Presse Med** 1981 Sep 19;10(33):2756, 2758 **(Fre)**

[Psychological problems in emergency surgery] Neidhardt JH. **Rev Med Suisse Romande** 1982 Jan;102(1):21-6 **(Fre)**

[Surgery in health insurance patients by the senior surgeon himself] Rieger HJ. **Dtsch Med Wochenschr** 1981 Sep 18; 106(38):1235-6 **(Ger)**

[Adrenaline, noradrenaline and 11-hydroxycorticosteroid during operatory stress of surgeons and after administration of oxprenolol (author's transl)] Timio M, et al. **G Ital Cardiol** 1981;11(12):2126-31 (Eng. Abstr.) **(Ita)**

[Occupational hygiene problems of surgeons in Uzbekistan] Iskandarov TI, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):44-6 **(Rus)**

[Problems of child emergency surgical services] Tovar JA, et al. **An Esp Pediatr** 1982 Jan;16(1):60-5 **(Spa)**

[Legal responsibility in medical and surgical practice (author's transl)] Pérez-Olea J. **Rev Med Chil** 1981 Jul; 109(7):651-5 (Eng. Abstr.) **(Spa)**

ECONOMICS

Second-opinion programs: beyond cost-benefit analyses. Brook RH, et al. **Med Care** 1982 Jan;20(1):1-2

Cost effectiveness of interventional radiology as an alternative to surgery. Morettin LB, et al. **Tex Med** 1982 Mar;78(3):53

EDUCATION

Head and neck oncologic training: where we have been and where we are going. Joint Council for Approval of Advanced Training in Head and Neck Oncologic Surgery. **Am J Surg** 1981 Oct;142(4):504–5

Perceived needs for gastrointestinal endoscopic training in surgical residencies. Max MH, et al. **Am J Surg** 1982 Jan; 143(1):150–4

Learning styles and the prospective surgeon. Andrassy RJ, et al. **Am Surg** 1982 Jul;48(7):293–6

The craft of surgery. The anastomosis workshop, March 1981. **Ann R Coll Surg Engl** 1981 Nov;63(6):405–10

Address to the Parliamentary and Scientific Committee by sir Alan Parks, President of the Royal College of Surgeons, on Tuesday 27th April 1982. Parks A. **Ann R Coll Surg Engl** 1982 Jul;64(4):275–7

The College Course in Clinical Surgery. Shand WS. **Ann R Coll Surg Engl** 1982 Sep;64(5):348–51

Effect of the surgical clerkship on student perception of essential skills and self-assessed abilities. Linn BS, et al. **Ann Surg** 1982 Jan;195(1):50–4

Application of 'management by objectives' to a surgical residency. Martin LF, et al. **Arch Surg** 1982 Sep; 117(9):1203–5

Final examinations in surgery: support for the retention of the clinical examination. Castleden WM, et al. **Aust NZ J Surg** 1981 Oct;51(5):503–7

Surgical oncology: the time for review [editorial] Clunie GJ. **Aust NZ J Surg** 1982 Aug;52(4):323–4

Abraham Flexner's philanthropy: the full-time system in the Department of Surgery at the University of Cincinnati College of Medicine, 1910–1930. Cangi EC. **Bull Hist Med** 1982 Summer;56(2):160–74

Mediocrity of surgical education [editorial] **Can J Surg** 1981 Jul;24(4):337–40

Mediocrity of surgical education [letter] Hunter GA. **Can J Surg** 1981 Nov;24(6):555, 558, 637

New dilemmas for training program directors [editorial] Morrissey JF. **Gastrointest Endosc** 1981 Aug;27(3):194, 196

Educating the implant surgeon. Obstbaum SA. **Int Ophthalmol Clin** 1982 Summer;22(2):235–40

Surgical training of family practice residents. Shamblin WR, et al. **J Fam Pract** 1982 Aug;15(2):364, 368

The initial impact of a surgical AHES program on medical students' career decisions. Martin LF, et al. **J Med Educ** 1981 Oct;56(10):812–7

The Fort Carson MEDDAC Emergency War Surgery Course: an early appraisal. Wittich AC, et al. **Milit Med** 1982 May;147(5):396–9

Intraocular lens implantation: residents vs. staff. Kersten RC, et al. **Ophthalmic Surg** 1982 Jun;13(6):470–4

The training of a surgeon. James JI. **Rev Chir Orthop** 1981; 67(3):169–73

Educating primary physicians in emergency surgical procedures. Orient JM, et al. **South Med J** 1982 Jul; 75(7):852–4

One solution to the dilemma of endoscopic requirements for general surgical residents [editorial] Starling JR, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):65–6

A multisite comparison of student activities in the surgery clerkship. Calhoun JG, et al. **Surgery** 1982 Jun;91(6):622–7

The role of decision skills and medical knowledge in the clinical judgment of surgical residents. Clarke JR. **Surgery** 1982 Aug;92(2):153–8

Resident selection: applicant selection criteria compared with performance. Erlandson EE, et al. **Surgery** 1982 Aug; 92(2):270–5

The surgeons 'out there' [letter] Sarfeh IJ. **Surgery** 1981 Dec; 90(6):1103

Surgical experience with large animals. Important adjunct to residency training in urology. Watson RA, et al. **Urology** 1982 Aug;20(2):154–6

[Microsurgery in 1982. Importance of the technique in the different surgical specialties and training possibilities (author's transl)] Boeckx W, et al. **Acta Chir Belg** 1982 May–Jun;82(3):151–60 (Eng. Abstr.) **(Dut)**

[Again: Surgery by the medical beginner] Uhlenbruck W. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):235–7 **(Ger)**

[Microsurgical education] Wolfensberger C, et al. **Handchirurgie** 1981;13(1–2):93–4 (Eng. Abstr.) **(Ger)**

['Cut injuries' of the hand–– a challenge to the present status of continuing education in surgery] Segmüller G, et al. **Z Unfallmed Berufskr** 1982;75(2):85–90 **(Ger)**

[Technical training of a surgeon] da Silva AL. **AMB** 1981 Aug;27(8):247–8 **(Por)**

[Ethical and deontological aspects of experimental work with students in a department of operative surgery and topical anatomy] Musienko VD, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(11):108–10 **(Rus)**

[Training of foreign students in surgery] Mokhniuk IuN, et al. **Klin Khir** 1982 Mar;(3):52–3 **(Rus)**

[Improvement of advanced training of surgeons] Shalimov AA, et al. **Klin Khir** 1982 Mar;(3):47–50 **(Rus)**

[Goals and methods of the postgraduate education of surgeons] Shaposhnikov AV, et al. **Klin Khir** 1982 Mar; (3):50–2 **(Rus)**

[Organization and management of the teaching process in a department of advanced surgery] Lukomskii GI, et al. **Sov Med** 1981;(10):80–4 **(Rus)**

[Methodology of teaching military field surgery in a medical school] Gorshkov SZ, et al. **Voen Med Zh** 1982 Apr; (4):15–7 **(Rus)**

[Improvement in the level of teaching surgery to graduate course students] Grinev MV. **Voen Med Zh** 1982 Mar; (3):20–2 **(Rus)**

[Method of teaching military field surgery] **Shvabe Iula**, et al. **Voen Med Zh** 1981 Nov;(11):22–3 **(Rus)**

[Report of the Committee of the Textbook Program of the Pan American Health Organization for Education in Surgery] **Educ Med Salud** 1981;15(3):291–301 (Eng. Abstr.) **(Spa)**

HISTORY

Historical review of the San Francisco Surgical Society. Mathewson C Jr. **Am J Surg** 1982 Feb;143(2):246–51

Chirurgia: the handicraft of medicine. Philatelically illustrated historic survey of surgery. Verveen G. **Am J Surg** 1982 May;143(5):640–8

Great opportunity: a binding summons to achieve. Musings upon surgical history. Wangensteen OH. **Am J Surg** 1981 Nov;142(5):605–14

Nobel Prize winners in surgery. Part 2. Jain KM, et al. **Am Surg** 1982 May;48(5):191–6

Nobel prize winners in surgery. Part 3. (Frederick Grant Banting, Walter Rudolph Hess). Jain KM, et al. **Am Surg** 1982 Jul;48(7):287–90

The medieval medical third party: compulsory consultation and malpractice insurance. Cosman MP. **Ann Plast Surg** 1982 Feb;8(2):152–62

The age of John Hunter's golden guineas (1763–93). Asherson N. **Ann R Coll Surg Engl** 1982 Jul;64(4):262–5

A tale of two paintings. Cohen B. **Ann R Coll Surg Engl** 1982 Jan;64(1):4–12

Peace and strife in Hunter's time. (Part I). Murley R. **Ann R Coll Surg Engl** 1982 Jan;64(1):20–8

Dr Powers, the man. Powers MR. **Arch Surg** 1981 Oct; 116(10):1251–4

The Archibald Watson Memorial Lecture: our honoured anatomists. Elmslie RG. **Aust NZ J Surg** 1981 Oct; 51(5):415–9

The founders of the college: Western Australia. Fleming DW. **Aust NZ J Surg** 1981 Dec;51(6):623–4

The Founders of the College. Leggett CA. **Aust NZ J Surg** 1981 Oct;51(5):508–12

The nineteenth-century surgical revolution––antisepsis or better nutrition? Hamilton D. **Bull Hist Med** 1982 Spring; 56(1):30–40

Progress at the cutting edge. Robertson HR. **Bull Hist Med** 1982 Spring;56(1):114–22

James Grant: ship's surgeon on the ill-fated Empress of Ireland. Bensley EH. **Can Med Assoc J** 1982 Feb 1; 126(3):318–9

Pringle's maneuver. Smith AN. **Curr Surg** 1982 Jan–Feb; 39(1):12–7

Ephraim McDowell (1771–1830). The President's lithotomist. Graham SD Jr. **Invest Urol** 1981 Nov;19(3):216–7

Theodor Billroth –– surgical pioneer. Browne H. **Ir Med J** 1981 Jan;74(1):2

The military surgeon: his place in history. Adamson PB. **J R Army Med Corps** 1982 Feb;128(1):43–50

The master surgeon. Woodruff M. **J R Coll Surg Edinb** 1981 Sep;26(5):257–63

An Eighteenth-century surgeon and apothecary: William Elmhirst (1721–1773). Sigsworth EM, et al. **Med Hist** 1982 Apr;26(2):191–8

Adventures of two prairie pioneers. Hayles AB, et al. **Minn Med** 1981 Oct;64(10):629–32

The Wangensteen tradition: what it is and how can we perpetuate it? Lillehei RC. **Minn Med** 1981 Oct; 64(10):626–8

Historical notes on breast cancer, with emphasis on The Netherlands. II. Pathophysiological concepts, diagnosis and therapy in the 18th century. de Moulin D. **Neth J Surg** 1981 Oct;33(4):206–16

Times ago––times three. Keene CH. **Pharos** 1981 Summer; 44(3):16–9

The persons behind the name: Charles Bingham Penrose. Romm S. **Plast Reconstr Surg** 1982 Sep;70(3):397–9

The surgical practice of Dominique Jean Larrey. Hau T. **Surg Gynecol Obstet** 1982 Jan;154(1):89–94

The original Peter Bent Brigham Hospital surgical staff. Tilney NL. **Surg Gynecol Obstet** 1981 Nov;153(5):741–6

Harvey Cushing and the Oxford connection. Tilney NL. **Surg Gynecol Obstet** 1982 Jul;155(1):89–94

Oskar Hirsch. Hamlin H. **Surg Neurol** 1981 Dec;16(6):391–3

A personal sketch of Professor Anton Elschnig. Libicky H. **Surv Ophthalmol** 1982 Mar–Apr;26(5):266–8

Pediatric surgery: the newest speciality for the youngest patient. Koop CE. **Trans Stud Coll Physicians Phila** 1981 Sep;3(3):195–208

Operating furniture. 'Medical briefs'. Herman JR. **Urology** 1981 Sep;18(3):295 H

[Surgery in Bulgaria through the ages] Lukanov A, et al. **Khirurgiia (Sofiia)** 1982;35(1):100–7 **(Bul)**

[The last years of municipal surgeons in Prostějov (author's transl)] Fröml F. **Cas Lek Cesk** 1981;120(51):1573–4 **(Cze)**

[Surgical subjects in the Nederlandsch Weekblad voor Geneeskundigen (1851–1856)] de Moulin D. **Ned Tijdschr Geneeskd** 1981 Aug 25;125(35):1427–30 **(Dut)**

[Père Elisée, The first surgeon to Louis XVIII and the founding of the French Academy of Medicine] Hillemand P, et al. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):23–6 (Eng. Abstr.) **(Fre)**

[History of the Academy of Surgery] Sicard A. **Chirurgie** 1981;107(9):713–8 **(Fre)**

[La Peyronie and the presence of military surgeons in the Academy of Surgery] Tournier-Lasserve C. **Chirurgie** 1981;107(9):719–22 **(Fre)**

[Historical development of surgery of the flexor tendons] Verdan C. **Handchirurgie** 1981;13(3–4):181–5 (Eng. Abstr.) **(Ger)**

[Memorial presentation on the 150th birthday of Richard von Volkmann, the co-founder of the German Society of Surgery] Schober KL. **Langenbecks Arch Chir** 1981; 355:597–606 **(Ger)**

[History of abdominal incisions. Historical aspects and development tendencies] Schlosser GA, et al. **Med Welt** 1981 Nov 13;32(46):1764–7 **(Ger)**

[Our surgical heritage. In memory of Erwin Payr (author's transl)] Becker T. **Zentralbl Chir** 1981;106(23):1563–8 **(Ger)**

[Our surgical heritage. Albert Hoffa] Paul U. **Zentralbl Chir** 1981;106(13):901–3 **(Ger)**

[Our surgical heritage. 100 years ago (28)] Schober KL. **Zentralbl Chir** 1981;106(6):416–20 **(Ger)**

[Our surgical heritage. 100 years ago (32)] Schober KL. **Zentralbl Chir** 1981;106(17):1171–4 **(Ger)**

[Our surgical heritage. 100 years ago (34)] Schober KL. **Zentralbl Chir** 1981;106(20):1387–90 **(Ger)**

[Our surgical heritage. 100 years ago (33)] Schober KL. **Zentralbl Chir** 1981;106(19):1323–5 **(Ger)**

[Our surgical heritage. 100 years ago (35)] Schober KL. **Zentralbl Chir** 1982;107(1):46–9 **(Ger)**

[Our surgical heritage. 100 years ago (36)] Schober KL. **Zentralbl Chir** 1982;107(2):125–7 **(Ger)**

[Our surgical heritage. 100 years ago (37)] Schober KL. **Zentralbl Chir** 1982;107(8):482–4 **(Ger)**

[The 125-year-old Orvosi Hetilap and the evolution of modern surgery. What are the current trends in surgery?] Littmann I. **Orv Hetil** 1982 Feb 7;123(6):323–6 **(Hun)**

[Surgery and science] Petri G. **Orv Hetil** 1982 Jan 3; 123(1):5–11 **(Hun)**

[A surgical instrument forgotten: Valtolini's operating scissors (author's transl)] Dondi RF. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):289–94 **(Ita)**

[Special Meeting of the Municipal and Provincial Councils on the occasion of the first centenary of the death of Francesco Rizzoli (24 May 1880) and of the birth of Vittorio Putti (1 Mar 1880)] **Chir Organi Mov** 1979 Jul–Aug;65(4):367–98 **(Ita)**

[The effect of Emilio Trabucchi's pharmacology on surgical and parasurgical disciplines] Montorsi W, et al. **Minerva Med** 1982 May 7;73(19):1255–68 **(Ita)**

[Surgery in Kiev (on the 1500th anniversary of the city)] Bratus' VD. **Klin Khir** 1982 May;(5):1–7 **(Rus)**

[Pages from the history of the development of surgery in Kiev] Khokholia VP, et al. **Klin Khir** 1982 May;(5):65–7 **(Rus)**

[10th Anniversary of the Kiev Research Institute of Clinical and Experimental Surgery] Rakovskaia GG, et al. **Klin Khir** 1982 May;(5):70–3 **(Rus)**

[60th anniversary of the journal 'Klinicheskaia Khirurgiia'] Shalimov AA, et al. **Klin Khir** 1981 Jun;(6):1–6 **(Rus)**

[New views on the indications for surgical interventions in internal diseases (on the 40th anniversary of the death of M. P. Konchalovskii)] Bregadze IL. **Klin Med (Mosk)** 1981 Oct;59(10):78–9 **(Rus)**

[In memory of N. I. Pirogov (on the 100th anniversary of his death)] Korzh AA, et al. **Ortop Travmatol Protez** 1982 Apr;(4):56–9 **(Rus)**

[L. Ollier and his role in the development of surgery and transplantology (on the 150th anniversary of his birth)] Mirskii MB. **Ortop Travmatol Protez** 1981 Oct;(10):75–6 **(Rus)**

[The development of surgery in pre-revolutionary Karelia] Petrova TA. **Sov Zdravookhr** 1981;(12):58–60 **(Rus)**

[Precepts of N. I. Pirogov and modern surgery] Berkutov AN. **Vestn Khir** 1982 May;128(5):125–7 **(Rus)**

[Surgical and traumatological problems in V. A. Manassein's journal Vrach (1880–1901)] Estrin GB. **Vestn Khir** 1981 Oct;127(10):142–4 **(Rus)**

[Centenary of the Pirogov Surgical Society] Kolesov VI. **Vestn Khir** 1982 May;128(5):127–36 **(Rus)**

[Sverdlovsk Province Society of Surgeons (on the 50th anniversary of its founding)] Sakharov MI, et al. **Vestn Khir** 1982 May;128(5):136–7 **(Rus)**

[75 years of orthopedic surgery in Serbia] Bumbaširević Z. **Srp Arh Celok Lek** 1981 Mar;109(3):425–38 **(Scc)**

[Theodor Billroth (on the occasion of the centenary of the 1st gastrectomy] Vara López R. **An R Acad Nac Med (Madr)** 1981;98(2):283–310 **(Spa)**

[Medicine and the state. Historical account and current problems in surgery] Acuña HR. **Bol Of Sanit Panam** 1981 Oct;91(4):283–8 **(Spa)**

MANPOWER

Royal College of Surgeons of England. Second Report on Surgical Manpower and the Career Structure, May 1982. **Ann R Coll Surg Engl** 1982 Sep;64(5):301–8

Surgical manpower in Rhode Island [letter] **N Engl J Med** 1982 Apr 8;306(14):873–4

Rhode Island: surgical manpower over seven years [editorial] Moore FD. **N Engl J Med** 1981 Nov 26;305(22):1341–3

Surgeons and surgery in Rhode Island, 1970 and 1977. Williams DC. **N Engl J Med** 1981 Nov 26;305(22):1319–23
Clinical decision-making a response to a reply [letter] McPherson K. **Soc Sci Med [C]** 1981 Sep;15C(3):193–6
The utilization of surgical physician assistants: policy implications for the future. Detmer DE, et al. **Surg Clin North Am** 1982 Aug;62(4):669–75
Surgical manpower: past and present reality, estimates for 2000. Moore FD. **Surg Clin North Am** 1982 Aug; 62(4):579–602
The study on surgical services for the United States (SOSSUS) and its impact on American surgery. Zuidema GD. **Surg Clin North Am** 1982 Aug;62(4):603–12

METHODS

Results of a surgical, otologic program in a remote Eskimo population. Beal DD, et al. **Alaska Med** 1981 Jan–Feb; 23(1):10–2
Itinerant surgery [editorial] Boulanger WJ. **Wis Med J** 1981 Mar;80(3):9

STANDARDS

Subcertification for hand surgery. Smith RJ. **J Hand Surg** 1982 Mar;7(2):107–12
The Veterans Administration and academic surgery. A report from the Committee on Issues of the Association for Academic Surgery 1979 meeting. Gurll NJ, et al. **J Surg Res** 1982 Jul;33(1):1–10
Surgical audit. Collopy BT. **Med J Aust** 1981 Jun 27; 1(13):712–3
Emergency medicine. An important specialty today. Wagner DK. **Surg Annu** 1981;13:383–90

TRENDS

Then and now: 1941–81. Dale WA. **Arch Surg** 1981 Nov; 116(11):1367–72
A decade of surgery in Canada, England and Wales, and the United States. Vayda E, et al. **Arch Surg** 1982 Jun; 117(6):846–53 (76 ref.)
The scope of surgical oncology. Lawrence W Jr. **Aust NZ J Surg** 1982 Aug;52(4):325–30
Academic and non-academic surgery. [editorial] Little JM. **Aust NZ J Surg** 1981 Oct;51(5):413–4
Forty years on. Lemberger RJ. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1686–7
Today's challenge for surgical oncology. Holleb AI. **CA** 1982 Jan–Feb;32(1):43–5
Dermatologic surgery yesterday, today, and tomorrow [editorial] Robins P. **J Dermatol Surg Oncol** 1981 Oct; 7(10):777
Pediatric surgery has grown up. Santulli TV. **J Pediatr Surg** 1981 Dec;16(6):779–84
Has surgical oncology come of age? Lawrence W Jr. **J Surg Oncol** 1982 Feb;19(2):77–80
Surgery in an era of constrained resources. Gertman PM. **Surg Clin North Am** 1982 Aug;62(4):781–91
Federal legislation and the future of surgical practice. Hanlon CR. **Surg Clin North Am** 1982 Aug;62(4):771–9
Rates of surgery in the United States: the decade of the 1970s. Rutkow IM. **Surg Clin North Am** 1982 Aug;62(4):559–78
Presidential address. Surgery—too little, science—too much. Ellis F. **Trans Med Soc Lond** 1979;95:1–7
[General surgery] Hubens A. **Acta Chir Belg** 1982 Mar–Apr; (2):XXV–XXVIII **(Dut)**
[Looking toward the future of surgery] Marion P. **Chirurgie** 1981;107(9):723–8 **(Fre)**
[Changes in surgical practice (author's transl)] Sournia JC. **Chirurgie** 1981;107(10):772–6 (Eng. Abstr.) **(Fre)**
[Pediatric surgery] Doletskiĭ Sla, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):32–5 **(Rus)**
[Achievements and tasks of Soviet surgery] Petrovskiĭ BV. **Khirurgiia (Mosk)** 1981 Dec;(12):3–12 **(Rus)**

SURGERY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

SURGERY, MINOR

Nitrous oxide–oxygen sedation for minor surgery? Marcuse EK. **Pediatrics** 1982 Feb;69(2):168
Hypokalaemic periodic paralysis precipitated by diuretic therapy and minor surgery. Boulton AJ, et al. **Postgrad Med J** 1982 Feb;58(676):106–7
[Same-day surgery in Sainte-Justine Hospital (author's transl)] Ducharme JC. **Chir Pediatr** 1982 Jan–Feb; 23(1):55–8 (Eng. Abstr.) **(Fre)**
[Effects of halothane anesthesia and minor surgery on thyroid function in children (author's transl)] Matsuki A, et al. **Masui** 1981 Feb;30(2):115–9 (Eng. Abstr.) **(Jpn)**
[Sombrevin anesthesia in minor surgery] Babadzhanov BR, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):53 **(Rus)**

SURGERY, OFFICE see **AMBULATORY SURGERY**

SURGERY, OPERATIVE

see related
INTRAOPERATIVE COMPLICATIONS
OPERATING ROOMS
POSTOPERATIVE COMPLICATIONS

Metabolic ability and enflurane defluorination in surgical patients. Rosenberg PH, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):246–53
Influence of abdominal surgical trauma on substrate utilization by the human brain. Stjernström H, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):222–7
Diabetes and surgery. Belcaro G, et al. **Acta Chir Belg** 1982 Mar–Apr;(2):133–8
Serum antibodies against Escherichia coli and Proteus mirabilis after different types of operations. Bergman B, et al. **Acta Chir Scand** 1981;147(2):93–7
Glycerol turnover and kinetics of exogenous fat in surgical patients. Carpentier YA, et al. **Acta Chir Scand [Suppl]** 1981; 507:226–37
Vitamins and trace elements in the seriously ill patient. Dickerson JW. **Acta Chir Scand [Suppl]** 1981;507:144–50
Ketosis and nitrogen excretion in undernourished surgical patients. Wright PD, et al. **Acta Chir Scand [Suppl]** 1981; 507:41–8
Metabolism of operated diabetic. Rybka J. **Acta Univ Carol [Med] (Praha)** 1980;26(1–2):3–88 (311 ref.)
Acupuncture analgesia for surgery—initial experiences in Ibadan, Nigeria. Akinyemi OO, et al. **Acupunct Electrother Res** 1981;6(2–3):159–68
Reticuloendothelial (RE) response to surgery as modified by intravenous administration of plasma cryoprecipitate or cold-insoluble globulin (plasma fibronectin) purified by affinity chromatography. Saba TM, et al. **Adv Shock Res** 1980;3:251–71
The physiologic recovery trajectory as the organizing principle for the quantification of hormonometabolic adaptation to surgical stress and severe sepsis. Siegel JH, et al. **Adv Shock Res** 1979;2:177–203
Effects of anesthesia and surgery on plasma triiodothyronine concentrations in man. Matsuki A, et al. **Agressologie** 1981; 22(5):225–9
Noncardiac surgery and anesthesia in patients with heart disease. Sanfelippo JF. **Am Fam Physician** 1982 Aug; 26(2):204–12
Reoperation for primary hyperparathyroidism. Granberg PO, et al. **Am J Surg** 1982 Mar;143(3):296–300
Little used surgical techniques of value. Shumacker HB Jr. **Am J Surg** 1982 Aug;144(2):186–90
Temperature regulation during surgery [letter] Hendrickx HH, et al. **Anaesth Intensive Care** 1981 Nov;9(4):399–400
A pilot study of the changes of skin electrical conductance in patients undergoing general anaesthesia and surgery. Goddard GF. **Anaesthesia** 1982 Apr;37(4):408–15
The alcoholic patient and surgical stress. Haxholdt OS, et al. **Anaesthesia** 1982 Aug;37(8):797–801
Recovery and driving after brief anaesthesia. Korttila K. **Anaesthesist** 1981 Aug;30(8):377–82 (71 ref.)
Hemotherapy during surgery for Jehovah's witnesses: a new method. Lichtiger B, et al. **Anesth Analg (Cleve)** 1982 Jul; 61(7):618–9
Is tight perioperative control of diabetes warranted? [letter] Roizen MF. **Anesthesiology** 1982 Mar;56(3):242
ASA PS classification is not risk classification [letter] Schwam SJ, et al. **Anesthesiology** 1982 Jul;57(1):68
Secondary operations after replantation. Pitzler D, et al. **Ann Chir Gynaecol** 1982;71(1):19–27
Blood coagulation during and after normovolemic hemodilution in elective surgery. Rosberg B. **Ann Clin Res** 1981;13 Suppl 33:84–8
Impotence: relevance and assessment in the surgical patient. Clyne CA, et al. **Ann R Coll Surg Engl** 1982 Jul;64(4):250–2
Increased incorporation of an infused labelled amino acid into plasma proteins as a means of assessing the severity of injury or activity of disease in surgical patients. Clague MB, et al. **Ann Surg** 1982 Jul;196(1):53–6
Estimation of postoperative fluid requirements in infants and children. Filston HC, et al. **Ann Surg** 1982 Jul;196(1):76–81
The role of electron microscopy in the management of surgical patients. Kuzela DC, et al. **Ann Surg** 1982 Jan; 195(1):1–11
Candida infections in surgical patients. Dose requirements and toxicity of amphotericin B. Solomkin JS, et al. **Ann Surg** 1982 Feb;195(2):177–85
Blood gas analysis in surgery. Sweetwood HM. **AORN J** 1981 Oct;34(4):674–88
Control of wound healing and scar formation in surgical patients. Peacock EE Jr. **Arch Surg** 1981 Oct; 116(10):1325–9
Transcutaneous oxygen and carbon dioxide monitoring. Use in adult surgical patients in an intensive care unit. Schachter EN, et al. **Arch Surg** 1981 Sep;116(9):1193–6
Hemodilution in elective surgery. Hirlekar G, et al. **Bibl Haematologica** 1981;47:279–86
Preoperative hemodilution for autotransfusion. Takaori M, et al. **Bibl Haematologica** 1981;47:270–8
Monitoring respiration in the postoperative period [editorial] Hanning CD. **Br J Anaesth** 1982 Jun;54(6):577–9
Physiological cortisol substitution of long-term steroid-treated patients undergoing major surgery. Symreng T, et al. **Br J Anaesth** 1981 Sep;53(9):949–54
Surgery in Jehovah's witnesses. Clarke JM. **Br J Hosp Med** 1982 May;27(5):497–500
Effect of surgery on monocyte function. Oladimeji M, et al. **Br J Surg** 1982 Mar;69(3):145–6
Accuracy of hospital activity analysis operation codes [letter] **Br Med J [Clin Res]** 1982 Jul 17;285(6336):210
Maltose as an energy substrate during surgery: comparison of maltose with glucose. Aono K, et al. **Can Anaesth Soc J** 1982 May;29(3):236–42
Walter C. Mackenzie Research Day Proceedings. **Can J Surg** 1982 Jul;25(4):403–19
Peritoneoscopy in general surgery. Cohen MM. **Can J Surg** 1981 Sep;24(5):490–3
Antibiotic prophylaxis in surgery. Lewis RT. **Can J Surg** 1981 Nov;24(6):561–6 (76 ref.)
Noncardiac surgery in the elderly patient with heart disease. Fowler NO. **Cardiovasc Clin** 1981;12(1):211–20
N-Acetyl-beta-D-glucosaminidase in urine of patients with renal disease, and after renal transplants and surgery. Kind PR. **Clin Chim Acta** 1982 Feb 26;119(1–2):89–97
Rapid adaptation of pituitary responsiveness to TRH in the post-surgical state. The role of free T3. Wolfson MS, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):579–84
Effect of anesthesia and surgical stress on prolactin levels in pregnancy. Vadora E, et al. **Clin Exp Obstet Gynecol** 1981;8(2):60–3
Surgery in the diabetic patient. Shuman CR. **Compr Ther** 1982 Jan;8(1):38–45
Nursing care for the severely obese patient. Vaughan MS. **Contemp Anesth Pract** 1982;5:111–34
Antibiotic prophylaxis in surgery. Nichols RL. **Del Med J** 1981 Oct;53(10):515–23
Blood concentration and disappearance of injected alanine and beta-hydroxybutyrate in surgical patients. Swaminathan R, et al. **Horm Metab Res** 1981 Jul; 13(7):383–6
Prophylactic antibiotics for pediatric surgery [letter] Nahata MC, et al. **Infect Control** 1982 May–Jun;3(3):206, 208
Serum protein levels in critically ill surgical patients. Bradley JA, et al. **Intensive Care Med** 1981;7(6):291–5
Antibiotic usage in a surgical unit. McCormack TT, et al. **Ir Med J** 1981 Oct;74(10):284–6
Long term follow-up of prophylactic caval clipping. Abu Rahma AF, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):550–4
Effects of naloxone on prolactin, luteinizing hormone, and cortisol responses to surgical stress in humans. Pontiroli AE, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):378–80
A study on human adrenal secretion. Measurement of epinephrine, norepinephrine, dopamine and cortisol in peripheral and adrenal venous blood under surgical stress. Mannelli M, et al. **J Endocrinol Invest** 1982 Mar–Apr; 5(2):91–5
Patient noncompliance with postvasectomy semen examination protocol. Dervin JV, et al. **J Fam Pract** 1982 Mar;14(3):487–90
A comparative study of scalpel and electrosurgical incision on subsequent wound healing. Allan SN, et al. **J Pediatr Surg** 1982 Feb;17(1):52–4
Transepidermal water loss in the infant surgical patient. Rowe MI, et al. **J Pediatr Surg** 1981 Dec;16(6):878–81
Surgical problems presenting at sea during 100 British Polaris submarine patrols. Glover SD, et al. **J R Nav Med Serv** 1981;67(2):65–9
Post-operative inhibition of macrophage inflammatory responses. Normann SJ, et al. **J Reticuloendothel Soc** 1981 Aug;30(2):89–97
Therapeutic use of albumin: 2. Alexander MR, et al. **JAMA** 1982 Feb 12;247(6):831–3
Drug monitoring of surgical patients. Danielson DA, et al. **JAMA** 1982 Sep 24;248(12):1482–5
Jehovah's Witnesses. The surgical/ethical challenge. Dixon JL, et al. **JAMA** 1981 Nov 27;246(21):2471–2
Transfusion-related cytomegalovirus infection following noncardiac surgery. Drew WL, et al. **JAMA** 1982 May 7;247(17):2389–91
Aspirin and perioperative blood loss [letter] Michelson EL. **JAMA** 1981 Dec 18;246(24):2808
Clinical use of pulse rates to determine daily energy expenditures in trauma and surgical patients. Dennis RS, et al. **JPEN** 1982 Mar–Apr;6(2):146–9
Urinary carnitine excretion in surgical patients on total parenteral nutrition. Tanphaichitr V, et al. **JPEN** 1981 Nov–Dec;5(6):505–9
Enteral hyperalimentation in surgical patients. Yaqin H. **JPMA** 1981 Sep;31(9):191–2
Preoperative physical training for cardiac patients requiring non-cardiac surgery. Asoh T, et al. **Jpn J Surg** 1981; 11(4):251–5
Operation on infant with Down syndrome [letter] **Lancet** 1981 Sep 12;2(8246):586
How long will I be in, doctor? [editorial] **Lancet** 1982 Mar 13;1(8272):605
Predicting need for nutritional support [letter] Archer TJ, et al. **Lancet** 1982 Apr 17;1(8277):912
The physics of surgical lasers. Fuller TA. **Lasers Surg Med** 1980;1(1):5–14
Surgical stress in humans is accompanied by an increase in plasma beta-endorphin immunoreactivity. Dubois M, et al. **Life Sci** 1981 Sep 21;29(12):1249–54
Effect of surgery on T-lymphocyte subpopulation. Adami GF, et al. **Lymphology** 1982 Mar;15(1):40–2
A preliminary report on the relationship between serum anti-thrombin III concentration in pre- and post-operative patients and in women on oral contraceptives. Ton SH, et al. **Med J Malaysia** 1981 Dec;36(4):212–4
Post-operative arterial hypoxemia—determination by calculation of venous admixture. Okasha AS, et al. **Middle East J Anaesthesiol** 1981 Feb;6(1):35–48
Pediatric consultation on surgical inpatients under two years

of age: a valuable exercise [editorial] Lampe RC, et al. **Milit Med** 1981 Nov;146(11):809

Relation between surgical volume and postoperative wound infection [letter] Richards TA. **N Engl J Med** 1982 Jan 21;306(3):178–9

The preoperative treatment of severely anemic patients with a perfluorochemical oxygen–transport fluid, Fluosol–DA. Tremper KK, et al. **N Engl J Med** 1982 Jul 29;307(5):277–83

Surgical practice in a country hospital. Kalmar RF. **NZ Med J** 1982 Jul 14;95(711):466–8

The operative note [editorial] Goldwyn RM. **Plast Reconstr Surg** 1982 Apr;69(4):676–7

Quinidine, procainamide therapy can be switched from oral to IV for surgery. Benchimol A, et al. **Postgrad Med** 1981 Oct;70(4):117

Nuclear magnetic resonance technique in human surgery. Case report. Klimek R, et al. **Przegl Lek** 1982;39(4):335–7

Professional uncertainty and the problem of supplier–induced demand. Wennberg JE, et al. **Soc Sci Med** 1982; 16(7):811–24

Symposium on surgery in the medically compromised patient. **Surg Clin North Am** 1982 Apr;62(2):197–342

The role of the randomized clinical trial in the evaluation of new operations. Bonchek LI. **Surg Clin North Am** 1982 Aug;62(4):761–9

The current status of surgical second opinion programs. Finkel ML, et al. **Surg Clin North Am** 1982 Aug; 62(4):705–19

Unnecessary surgery: what is it? Rutkow IM. **Surg Clin North Am** 1982 Aug;62(4):613–25

The reliability and reproducibility of the surgical decision–making process. Rutkow IM. **Surg Clin North Am** 1982 Aug;62(4):721–35 (33 ref.)

Nutritional support of the surgical patient. VanLandingham SB, et al. **Surg Clin North Am** 1982 Apr;62(2):321–31

The study on surgical services for the United States (SOSSUS) and its impact on American surgery. Zuidema GD. **Surg Clin North Am** 1982 Aug;62(4):603–12

Intraoperative pulmonary and systemic arterial monitoring devices in high risk surgical patients. Archie JP, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):831–4

Perioperative management of patients with paroxysmal nocturnal hemoglobinuria. Braren V, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):515–20

Postoperative changes in serum copper value. Gregoriadis GC, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):217–21

Hemodynamic and respiratory changes in surgery of the morbidly obese. Agarwal N, et al. **Surgery** 1982 Aug; 92(2):226–34

Neutrophil function, serum opsonic activity, and delayed hypersensitivity in surgical patients. van Dijk WC, et al. **Surgery** 1982 Jul;92(1):21–9

Measurement of intraoperative blood loss. Ajao OG. **Trop Doct** 1982 Jan;12(1):29–31

Noncardiac operations after coronary revascularization. Akl BF, et al. **West J Med** 1982 Feb;136(2):91–4

Into the limits of neonatal surgery. Rickham PP. **Z Kinderchir** 1982 Feb;35(2):46–50

[Pyrimidine stimulation of regeneration and protective mechanisms in surgery] Petkov P. **Khirurgiia (Sofiia)** 1981; 34(6):562–4 **(Bul)**

[Computerized tomography in surgery (author's transl)] Zhang TL. **Chung Hua Wai Ko Tsa Chih** 1980 Apr; 18(2):179–82 **(Chi)**

[Protein–calorie nutritional state in surgical patients. Assessed by anthropometric measurements and serum proteins] Jensen S, et al. **Ugeskr Laeger** 1982 Feb 15;144(7):463–6 (Eng. Abstr.) **(Dan)**

[Patients on surgical waiting lists. II. A questionnaire study among patients on a surgical waiting list to illustrate the economic and social conditions] Toftgaard C, et al. **Ugeskr Laeger** 1981 May 25;143(22):1430–3 (Eng. Abstr.) **(Dan)**

[Heart infarct as a surgical risk] Knape JT, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5;125(36):1441–4 **(Dut)**

[Parenteral nutrition in surgery] **Acta Chir Belg** 1981 Mar–Jun;80(2–3):67–155 **(Fre)**

[Reliability and value of arterial blood–flow monitoring during operation (author's transl)] Mellière D, et al. **J Mal Vasc** 1981;6(2):129–32 (Eng. Abstr.) **(Fre)**

[Evaluation of immune status in a surgical milieu. Correlation and complementarity of DNCB and multipuncture apropos of 101 patients] Champault G, et al. **Med Chir Dig** 1982; 11(1):9–12 (Eng. Abstr.) **(Fre)**

[Evaluation of nutritional status in hospital surgical patients (author's transl)] Perrot D, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1379–83 (Eng. Abstr.) **(Fre)**

[Control of blood glucose and insulin therapy in a surgical milieu] Assan R, et al. **Sem Hop Paris** 1982 Jun 24; 58(25):1589–90 **(Fre)**

[Surgery in patients with chronic renal failure on maintenance dialysis (author's transl)] Laroussinie G, et al. **Sem Hop Paris** 1981 Dec 8–15;57(45–46):1905–10 (Eng. Abstr.) **(Fre)**

[The effect of enflurane anaesthesia and operation on the sympathoadrenal and adrenocortical system (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct; 30(10):493–6 (Eng. Abstr.) **(Ger)**

[Changes in plasma zinc under anesthesia and surgery (author's transl)] Finsterer U, et al. **Anaesthesist** 1981 Nov; 30(11):569–74 (Eng. Abstr.) **(Ger)**

[Tramadol during the postoperative period] Paravicini D, et al. **Anasth Intensivther Notfallmed** 1981 Aug;16(4):191–6 (Eng. Abstr.) **(Ger)**

[Plasma–antidiuretic hormone level as indicator of postoperative stress (part II) (author's transl)] von Bormann B, et al. **Anasth Intensivther Notfallmed** 1981 Dec; 16(6):319–22 (Eng. Abstr.) **(Ger)**

[Plasma antidiuretic hormone level as an indicator of perioperative stress (Part I) (author's transl)] Weidler B, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):315–8 (Eng. Abstr.) **(Ger)**

[Serologic tests in a case of so–called faith healing] Tröger HD, et al. **Beitr Gerichtl Med** 1981;39:243–5 (Eng. Abstr.) **(Ger)**

[Wound infection and complication rate after general surgical procedures. A prospective analysis] Grundmann R, et al. **Chirurg** 1981 Sep;52(9):570–6 **(Ger)**

[The patient's desire for information and its legal implications] Weissauer W. **Chirurg** 1982 Mar;53(3):suppl 28–31 **(Ger)**

[Need to inform the patient and required supervision regarding novice physicians performing surgical interventions] Uhlenbruck W. **Dtsch Med Wochenschr** 1981 Nov 27;106(48):1630–2 **(Ger)**

[Surgical procedures and anesthesia in diabetes mellitus] Lutz H. **Fortschr Med** 1981 Oct 1;99(37):1497–8 **(Ger)**

[Reinterventions after surgery of the extensor tendons] Nigst H. **Handchirurgie** 1980;12(3–4):165–9 (Eng. Abstr.) **(Ger)**

[Swiss Society for Surgery. 67th annual meeting, 26–28 June 1980, Montreux] **Helv Chir Acta** 1981 Apr;48(1–2):3–234 **(Ger)**

[Significance of postoperative substitution of plasma proteins] Bauer HW, et al. **Infusionsther Klin Ernahr** 1980 Dec; 7(6):301–4 (Eng. Abstr.) **(Ger)**

[Indication and practical aspects of perioperative parenteral nutrition] Feki W, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):56–63 (Eng. Abstr.) **(Ger)**

[Postoperative changes in energy metabolism] Günther B. **Infusionsther Klin Ernahr** 1982 Apr;9(2):64–6 (Eng. Abstr.) **(Ger)**

[Postoperative amino acid metabolism] Jürgens P. **Infusionsther Klin Ernahr** 1982 Apr;9(2):74–85 (Eng. Abstr.) **(Ger)**

[Effect of solutions with different amounts of branched–chain amino acids on the plasma amino acid pattern and energy metabolism of surgical intensive care patients] Schmitz JE, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):100–7 (Eng. Abstr.) **(Ger)**

[The effect of anaesthesia and surgery on immune function. A review (author's transl)] Bröcker EB, et al. **Klin Wochenschr** 1981 Dec 1;59(23):1297–301 (Eng. Abstr.) **(Ger)**

[The retrospective view of controlled clinical trials: is the subsequent formation of subgroups allowed? (author's transl)] Kusche J. **Langenbecks Arch Chir** 1981;355:405–9 (Eng. Abstr.) **(Ger)**

[Retrospective trials in surgery: an introduction to terminology and specific problems (author's transl)] Lorenz W. **Langenbecks Arch Chir** 1981;355:387–91 (Eng. Abstr.) **(Ger)**

[Documentation in the surgical department: mandatory key systems] Scheibe O. **Langenbecks Arch Chir** 1981; 355:309–10 (Eng. Abstr.) **(Ger)**

[Urgent acute situations for the general surgery department – presented with examples] Streicher HJ. **Langenbecks Arch Chir** 1981;355:331–4 **(Ger)**

[Use of a mezlocillin and oxacillin combination in surgery] Stütz G. **Med Welt** 1982 Jul 2;33(26):973–7 **(Ger)**

[The programmed physician: the obligation to give explanatory instruction in pediatric surgery (author's transl)] Hümmer HP. **Monatsschr Kinderheilkd** 1982 May; 130(5):311–4 (Eng. Abstr.) **(Ger)**

[Sound surgical procedures for the aged] Eckmann L. **Ther Umsch** 1981 Jan;38(1):32–8 (Eng. Abstr.) **(Ger)**

[Diagnostic standards in surgical diseases with special reference to outpatient diagnosis as a recommendation for specialists in general medicine] Grosse G, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 1;75(23):1120–1 **(Ger)**

[Enzymatic changes and protein metabolism in the early and late postoperative phase during intravenous feeding] Georgieff M, et al. **Z Ernahrungswiss** 1981 Dec; 20(4):291–310 (Eng. Abstr.) **(Ger)**

[113 Re–operations to correct loosening of prosthesis shafts – personal experiences and conclusions (author's transl)] Henssge EJ, et al. **Z Orthop** 1982 May–Jun;120(3):244–9 (Eng. Abstr.) **(Ger)**

[Some ethical aspects of surgical work (author's transl)] Heinrich P, et al. **Zentralbl Chir** 1982;107(7):361–8 **(Ger)**

[Recurrences after surgical treatment of achalasia of the cardia (author's transl)] Neef H, et al. **Zentralbl Chir** 1981; 106(23):1529–34 (Eng. Abstr.) **(Ger)**

[Diabetes mellitus and surgery from the viewpoint of the internist] Gyimesi A, et al. **Orv Hetil** 1982 Mar 28; 123(13):783–9 **(Hun)**

[Total blood histamine in the postoperative period] Faverio F, et al. **Chir Ital** 1981 Dec;33(6):1226–32 **(Ita)**

[Immunological evaluation in the immediate postoperative period] Mauro C, et al. **Chir Ital** 1981 Aug;33(4):864–72 **(Ita)**

[Application of hemodilution and autotransfusion in elective surgery] Cassina I, et al. **Minerva Anestesiol** 1981 Nov; 47(11):775–82 (Eng. Abstr.) **(Ita)**

[Clinical experience with fazadon in general surgery and cesarean section] Cecconello D, et al. **Minerva Anestesiol** 1982 Mar;48(3):189–96 **(Ita)**

[Role of the delayed hypersensitivity skin test in surgery] Adami GF, et al. **Minerva Chir** 1981 Oct 31;36(20):1321–6 (Eng. Abstr.) **(Ita)**

[Problems in total parenteral nutrition in general surgery] Agolini G, et al. **Minerva Chir** 1981 Dec 15–31; 36(23–24):1591–6 **(Ita)**

[Immunology in surgery] Bonardi O, et al. **Minerva Chir** 1982 May 15;37(9):857–9 **(Ita)**

[Use of short–term prophylaxis with amoxicillin in pediatric surgery] D'Anna F, et al. **Minerva Chir** 1981 Aug 15–31; 36(15–16):1019–21 (Eng. Abstr.) **(Ita)**

[Therapeutic effects of ribostamycin in postoperative antibiotic treatment. Comparisons and results] Frasson P, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1023–8 (Eng. Abstr.) **(Ita)**

[Considerations on 7 years' experience in the use of total parenteral nutrition in the surgical department] Marcolli G, et al. **Minerva Chir** 1982 Apr 30;37(8):749–54 **(Ita)**

[Antibiotic prophylaxis in surgical patients] Samori G, et al. **Minerva Chir** 1982 Apr 15;37(7):649–55 (Eng. Abstr.) **(Ita)**

[Surgery, dental care and infection in diabetic children (author's transl)] Meschi F, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):23–5 **(Ita)**

[Effect of levamisole on the formation of lymphocyte rosettes in patients undergoing surgery. Clinical study] Di Perri T, et al. **Recenti Prog Med** 1981 Nov;71(5):515–31 (Eng. Abstr.) **(Ita)**

[The role of prostaglandin in renal function of surgical patients (author's transl)] Kato S, et al. **Masui** 1981 Oct; 30(10):1085–90 (Eng. Abstr.) **(Jpn)**

[The role of prostaglandins in renal function of surgical patients: the effect of prostaglandin synthetase inhibitor on renal function after surgery (author's transl)] Kato S, et al. **Masui** 1981 Nov;30(11):1183–90 (Eng. Abstr.) **(Jpn)**

[Carbohydrate infusion during surgery (author's transl)] Kawachino N, et al. **Masui** 1981 Oct;30(10):1091–8 (Eng. Abstr.) **(Jpn)**

[A new method of anesthesia with droperidol, diazepam, nitrous oxide and oxygen (DDGO anesthesia) Part 2. Effect of anesthesia and surgery on adrenocortical function and carbohydrate metabolism (author's transl)] Kuba Y, et al. **Masui** 1981 May;30(5):453–7 (Eng. Abstr.) **(Jpn)**

[Effects of FDA 20 infusion on endocrine function in surgical patients (author's transl)] Matsuki A, et al. **Masui** 1982 Mar; 31(3):235–9 (Eng. Abstr.) **(Jpn)**

[Postoperative psychiatric disorder of elders (author's transl)] Sato T, et al. **Masui** 1981 Jun;30(6):630–6 (Eng. Abstr.) **(Jpn)**

[Rate of the intraoperative administration of lactated Ringer's solution and changes of renal function (author's transl)] Takahashi M. **Masui** 1981 Feb;30(2):164–73 (Eng. Abstr.) **(Jpn)**

[Effects of flunitrazepam–pentazocine–N2O anesthesia and surgery on plasma catecholamines, ACTH, cortisol and ADH levels in man (author's transl)] Takiguchi M, et al. **Masui** 1981 Jun;30(6):559–65 (Eng. Abstr.) **(Jpn)**

[Effects of intrathecal beta–endorphin and morphine on endocrine response during halothane anesthesia and surgery in man (author's transl)] Taniguchi K, et al. **Masui** 1981 Nov;30(11):1175–82 (Eng. Abstr.) **(Jpn)**

[Effects of halothane anesthesia, epidural anesthesia and surgery on plasma beta–endorphin levels in man (author's transl)] Tsubo T, et al. **Masui** 1981 Feb;30(2):120–6 (Eng. Abstr.) **(Jpn)**

[Surgery and acid–base imbalance] Yoshitake T, et al. **Nippon Rinsho** 1981 Nov;39(11):3558–65 **(Jpn)**

[Length of stay among surgical patients] Janssen CW Jr, et al. **Tidsskr Nor Laegeforen** 1981 Nov 10;101(31):1780–1 **(Nor)**

[The coronary patient and surgery] Lilleaasen P. **Tidsskr Nor Laegeforen** 1981 Aug 30;101(24):1313–15 (Eng. Abstr.) **(Nor)**

[Nutrition of hospitalized patients. Food intake in surgical patients] Millan Z de H, et al. **AMB** 1981 Nov;27(11):306–8 (Eng. Abstr.) **(Por)**

[Decline in erythrocyte deformability as 1 of the factors determining the severity of patients' status] Gologorskii VA, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):38–41 (Eng. Abstr.) **(Rus)**

[Combined effect of different factors of the operation on the degree of postoperative depression of cellular immunity] Tsibul'kin AP, et al. **Anesteziol Reanimatol** 1981 May–Jun; (3):53–5 (Eng. Abstr.) **(Rus)**

[Surgery in adolescence] Doletskii SIa. **Khirurgiia (Mosk)** 1982 Apr;(4):3–10 (Eng. Abstr.) **(Rus)**

[Surgical problems of the middle–aged and elderly] Malinovskii NN, et al. **Khirurgiia (Mosk)** 1981 Dec; (12):16–21 **(Rus)**

[Allergic complications in surgical patients] Margulis MS, et al. **Khirurgiia (Mosk)** 1982 May;5:96–100 **(Rus)**

[Fiber endoscopy in the surgical clinic] Popiela T. **Khirurgiia (Mosk)** 1982 Mar;(3):29–31 **(Rus)**

[Deontological problems in surgery] Manevich VL, et al. **Klin Med (Mosk)** 1981 Oct;59(10):12–6 **(Rus)**

[Fibrinogen test in surgical practice] Riabtsev VG, et al. **Med Radiol (Mosk)** 1981 Dec;26(12):17–21 (Eng. Abstr.) **(Rus)**

[General problems of tactics and selection of the method of reoperation in retinal detachment] Babanina IuD, et al.

Oftalmol Zh 1981;36(5):257–60 (Eng. Abstr.) **(Rus)**
[Causes of recurrences and the characteristics of reoperations in post-traumatic retinal detachment] Gundorova RA, et al. **Oftalmol Zh** 1981;36(5):268–71 (Eng. Abstr.) **(Rus)**
[Characteristics and effectiveness of reoperations in retinal detachment] Mileĭko EG. **Oftalmol Zh** 1981;36(5):263–5 (Eng. Abstr.) **(Rus)**
[Reoperations in retinal detachment] Shershevskaia SF, et al. **Oftalmol Zh** 1981;36(5):261–3 (Eng. Abstr.) **(Rus)**
[Effectiveness of reoperations in retinal detachment] Smoliakova GP, et al. **Oftalmol Zh** 1981;36(5):266–8 (Eng. Abstr.) **(Rus)**
[Complex procedure for studying the motor function of hollow organs, arterial pressure, and pulse oscillations in intramural and extraorganic vessels during surgery] Sigal ZM. **Patol Fiziol Eksp Ter** 1981 May–Jun;(3):62–3 **(Rus)**
[Our experience with the use of hemodilution in surgical operations] Orlowski T, et al.
Probl Gematol Pereliv Krovi 1982 Feb;27(2):49–50 (Eng. Abstr.) **(Rus)**
[Effect of ultrasonic aerosols and supplementary artificial pulmonary ventilation on the respiratory mechanics and gas exchange postoperatively in surgical patients] Gologorskiĭ VA, et al. **Sov Med** 1981;(7):53–7 (Eng. Abstr.) **(Rus)**
[Combined anesthesia in operations on anemic patients] Papin AA. **Sov Med** 1981;(12):101–3 **(Rus)**
[Characteristics of the clinical use of hemosorption in surgical patients] Shalimov SA, et al. **Sov Med** 1981;(6):57–61 (Eng. Abstr.) **(Rus)**
[Diagnostic stages and special study methods in surgical diseases of children] Doletskiĭ SIa, et al. **Vestn Khir** 1982 Mar;128(3):118–23 (Eng. Abstr.) **(Rus)**
[Reasons for repeated laparotomy] Feofilov GL, et al.
Vestn Khir 1981 Sep;127(9):115–21 (Eng. Abstr.) **(Rus)**
[Diagnostic potentials and realities of septic shock in surgery] Lytkin MI, et al. **Vestn Khir** 1982 Feb;128(2):3–8 **(Rus)**
[General proteolytic activity of the blood in patients after an operation] Prokhodtsev II, et al. **Vestn Khir** 1982 May; 128(5):53–5 (Eng. Abstr.) **(Rus)**
[Massive blood transfusion in surgery] Briusov PG.
Voen Med Zh 1981 Nov;(11):24–8 **(Rus)**
[Autotransfusion in planned surgery] Tsarev NI, et al.
Voen Med Zh 1981 Aug;(8):56 **(Rus)**
[Reports of the IIth combined session of Surgeons of Bosnia, Herzegovina, Macedonia, Serbia and Montenegro. 12–14 June 1980, Herceg Novi] **Acta Chir Iugosl** 1981;28 Suppl:1–457 **(Scr)**
[7th Scientific Meeting of Surgeons of the Serbian Socialistic Republic. Zrenjanin, 1981. Proceedings]
Acta Chir Iugosl 1982;29 Suppl 1:1–375 **(Scr)**
[Rational use of antimicrobials in surgery (author's transl)] Francetić I. **Lijec Vjesn** 1982 Jan;104(1):33–5 **(Scr)**
[The effect of anaesthesia and surgical interventions on immunological reactivity (author's transl)]
Lenarčić-Cepelja I, et al. **Lijec Vjesn** 1981 Nov; 103(11):485–9 (Eng. Abstr.) **(Scr)**
[The hypertensive patient as a surgical patient] Atanacković D, et al. **Med Pregl** 1981;34(1–2):87–90 (Eng. Abstr.) **(Scr)**
[Postoperative complications which are indications for early relaparotomy] Suša M. **Vojnosanit Pregl** 1982 Jan–Feb; 39(1):19–25 **(Scr)**
[Respiratory insufficiency in surgery of the elderly] Siška K, et al. **Bratisl Lek Listy** 1982 May;77(5):622–5 **(Slo)**
[Use of nitroglycerin in anesthesia and surgery] Viguera M, et al. **Rev Esp Anestesiol Reanim** 1981 Nov;28(6):343–5 (Eng. Abstr.) **(Spa)**
[Relation between caloric intake and nitrogen balance in the post operative period.] Villazón Sahagún A, et al.
Rev Gastroenterol Mex 1981 Jul–Sep;46(3):135–44 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Diaphragmatic avulsion following decortication. A case review of acute nontuberculous empyema. Mayo P, et al. **Ala J Med Sci** 1982 Jan;19(1):81–2
Inadvertent division of an anomalous left anterior descending coronary artery during complete repair of tetralogy of Fallot: 22-year follow-up. Heuser RR, et al.
Am Heart J 1982 Mar;103(3):430–2
Effect of drug-induced platelet dysfunction on surgical bleeding. Kitchen L, et al. **Am J Surg** 1982 Feb; 143(2):215–7
A surgical field flash fire during the separation of dicephalus dipus conjoined twins. Ashcraft KE, et al.
Anesthesiology 1981 Oct;55(4):457–8
Postoperative deterioration in muscular function. Edwards H, et al. **Arch Surg** 1982 Jul;117(7):899–901
Elective surgery after myocardial infarction [editorial] Portal RW. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):843–4
Histology of cornea after surgical handling. Barraquer F.
Dev Ophthalmol 1981;5:27–9
Postoperative acalculous cholecystitis. Rubio PA, et al.
Int Surg 1981 Apr–Jun;66(2):167–8
Management of diabetics undergoing surgery.
J Assoc Physicians India 1981 May;29(5):399–401
Risk of advanced heart block during surgery in patients with bifascicular block. Ghose JC, et al.
J Assoc Physicians India 1981 Jun;29(6):435–8
Coagulation changes during major surgery and relationship to post-operative deep vein thrombosis. Jennings S, et al.
J Cardiovasc Surg (Torino) 1981 Jul–Aug;22(4):327–9
Methods of measuring blood loss during surgery. Shaw A, et al. **J Med Eng Technol** 1981 Jul;5(4):196–7
Variation of Impaction fracture of lumbar spine [letter] Miller CA, et al. **J Neurosurg** 1982 Apr;56(4):603
Paraesophageal hernia: a major complication of Nissen's fundoplication. Festen C. **J Pediatr Surg** 1981 Aug; 16(4):496–9
Ureteral injury: complication of partial excision of aortofemoral vascular prosthesis. Selman SH, et al.
J Urol 1981 Dec;126(6):817–8
Cluster analysis of nutritional and immunological indicators for identification of high risk surgical patients. Nazari S, et al. **JPEN** 1981;5(4):307–16
Dental considerations in the sublabial trans-sphenoidal surgical approach to the pituitary gland. Watson SW, et al. **Neurosurgery** 1982 Feb;10(2):236–41
Pressure profile of ophthalmic surgical procedures: an experimental study on the rabbit eye. Honda Y, et al.
Ophthalmic Surg 1982 May;13(5):387–91
Worsening of myopia following a circular keratotomy. Perry LD, et al. **Ophthalmic Surg** 1982 Feb;13(2):104–7
Effect of surgical stress on serum lipid levels. Sane AS, et al. **Panminerva Med** 1981 Jul–Sep;23(3):207–9
Surgical stress and circadian rhythm of cardiac dynamics. Groza P, et al. **Physiologie** 1982 Apr–Jun;19(2):67–72
Natural history of the retained surgical sponge. Hyslop JW, et al. **South Med J** 1982 Jun;75(6):657–60
Traumatic postsurgical aneurysm of the intracavernous carotid artery: a delayed presentation. Awad I, et al.
Surg Neurol 1982 Jul;18(1):54–7
Glossopharyngeal neuralgia of traumatic origin. Waga S, et al. **Surg Neurol** 1982 Jan;17(1):77–9
Ureteral injuries in colonic surgery. Cass AS, et al.
Urology 1981 Oct;18(4):359–64
[Lymphocytopaenia : a factor in the evaluation of operative risk? (author's transl)] Champault G, et al. **Chirurgie** 1981 Jun;107(7):504–9 (Eng. Abstr.) **(Fre)**
[Postoperative hyperhistaminemia: study of a selected sample of patients] Faverio F, et al. **Chir Ital** 1982 Apr;34(2):319–26 **(Ita)**
[Delirium tremens in relation to acute surgical diseases (clinical and therapeutic findings)] Gioetto M. **Chir Ital** 1981 Apr;33(2):474–98 (69 ref.) (Eng. Abstr.) **(Ita)**
[Postoperative pulmonary infections: role of antibiotic treatment] Belcaro G, et al. **Chir Patol Sper** 1980 Aug; 28(4):233–44 (Eng. Abstr.) **(Ita)**
[Behavior of the immune response studied with the lymphocyte blastogenesis test in vitro in the pre- and post-operative period] Adami GF, et al.
Minerva Anestesiol 1981 Aug;47(8):449–53 **(Ita)**
[Presentation and preliminary results obtained with the Weighted Operative Risk Scale] Canioni A.
Minerva Anestesiol 1981 Nov;47(11):789–800 (Eng. Abstr.) **(Ita)**
[Changes in the parameters of humoral immunity due to surgical operations or trauma] Guarducci AM, et al.
Minerva Anestesiol 1981 Aug;47(8):471–3 (Eng. Abstr.) **(Ita)**
[Intraoperative hypothermia in newborn infants] Nofrini U, et al. **Minerva Anestesiol** 1981 Aug;47(8):483–90 **(Ita)**
[Evaluation of operative risk. The importance of correction of nutritional deficiency] Mocavero G, et al.
Minerva Chir 1981 Sep 30;36(18):1175–82 **(Ita)**
[Prevention of postoperative deep venous thrombosis and pulmonary embolism by special elastic stockings. Our clinical experience] Polto F, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1931–6 **(Ita)**
[Neurohormonal and metabolic regulation of the critical patient] **Minerva Dietol Gastroenterol** 1981 Apr–Jun; 27(2):165–221 **(Ita)**
[Reconstructive surgery. What happens when the surgeon does not recognize his own limitations] Gliosci A.
Minerva Stomatol 1981 Sep–Oct;30(5):383–7 (Eng. Abstr.) **(Ita)**
[Bilateral femoral paralysis following laparotomy for gynecologic and non-gynecologic procedures. Pathogenetic hypotheses] Dell'Aria V. **Riv Neurobiol** 1980 Oct–Dec;26(4):472–5 **(Ita)**
[The immunosuppressive effect of anesthesia and surgery] Hole A, et al. **Tidsskr Nor Laegeforen** 1982 Jan 30; 102(3):177–9 (Eng. Abstr.) **(Nor)**
[Case of aortic hemorrhage during removal of a foreign body from the esophagus] Ziemski T. **Wiad Lek** 1982 May 1; 35(3–4):229–32 (Eng. Abstr.) **(Pol)**
[CLinico-morphologic correlations in cases of fatal outcome following removal of acoustic nerve neuromas] Larin AI, et al. **Zh Vopr Neirokhir** 1982 Jan–Feb;(1):25–9 (Eng. Abstr.) **(Rus)**

ECONOMICS

Treatment outcome and efficiency in surgery. Haig TH.
Can J Surg 1982 May;25(3):293–6
Surgical rates in the Canadian Forces and the general Canadian population. Crymble C, et al. **Clin Invest Med** 1981;4(1):37–40
The comparative medical costs of 2 major procedures available for the treatment of stress urinary incontinence. Loughlin KR, et al. **J Urol** 1982 Mar;127(3):436–8
Impact of a mandatory second-opinion program on medicaid surgery rates. Martin SG, et al. **Med Care** 1982 Jan; 20(1):21–45
The efficacy of second-opinion consultation programs: a cost-benefit perspective. Ruchlin HS, et al. **Med Care** 1982 Jan;20(1):3–20
Blood ordering practices for elective surgical procedures: an area of possible cost saving. Brougham DI.
NZ Med J 1981 Sep 23;94(692):223–5
Cost-benefit and cost-effective analysis in surgery. Barnes BA. **Surg Clin North Am** 1982 Aug;62(4):737–49
Organizational and financial influences on patterns of surgical care. LoGerfo JP. **Surg Clin North Am** 1982 Aug; 62(4):677–84

HISTORY

[History of abdominal wall surgery. Historical aspects and developmental trends (I)] Schlosser GA, et al.
Med Welt 1981 Oct 30;32(44):1672–6 **(Ger)**
[Surgery as handicraft, surgery as art, surgery as science (author's transl)] Wolner E. **Wien Klin Wochenschr** 1982 Mar 19;94(6):140–5 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Zip-closure of the abdomen. Leguit P Jr. **Neth J Surg** 1982 Mar;34(1):40–1

METHODS

Reoperation after transcervical thymectomy for myasthenia gravis. Masaoka A, et al. **Neurology (NY)** 1982 Jan; 32(1):83–5

MORTALITY

Operative mortality in general surgery. Greenburg AG, et al. **Am J Surg** 1982 Jul;144(1):22–8
Evaluation of results of surgical procedures in the elderly. Linn BS, et al. **Ann Surg** 1982 Jan;195(1):90–6
A new method of auditing surgical mortality rates: application to a group of elderly general surgical patients. Seymour DG, et al. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1539–42
How to limit the risks of elective surgery. Wachtel TJ.
Geriatrics 1981 Nov;36(11):95–9
Mortality rate in strabismus surgery. Cooper J, et al.
J Am Optom Assoc 1982 May;53(5):391–5
Instant nutritional assessment: absolute weight loss and surgical mortality. Seltzer MH, et al. **JPEN** 1982 May–Jun; 6(3):218–21
Should surgery be regionalized? Bunker JP, et al.
Surg Clin North Am 1982 Aug;62(4):657–68
Survival of primates following orthotopic cardiac transplantation treated with total lymphoid irradiation and chemical immune suppression. Pennock JL, et al.
Transplantation 1981 Dec;32(6):467–73
Patient and graft survival in amputated versus nonamputated diabetic primary renal allograft recipients. Peters C, et al.
Transplantation 1981 Dec;32(6):498–503

PSYCHOLOGY

The effect of psychological intervention on recovery from surgery and heart attacks: an analysis of the literature. Mumford E, et al. **Am J Public Health** 1982 Feb; 72(2):141–51
Personality and surgical recovery: a review. Mathews A, et al. **Br J Clin Psychol** 1981 Nov;20(Pt 4):243–60
Psychiatric morbidity in elderly surgical patients. Millar HR.
Br J Psychiatry 1981 Jan;138:17–20
Measuring surgical decision-making with hypothetical cases. Vayda E, et al. **Can Med Assoc J** 1982 Aug 15; 127(4):287–90
Conquering fear of surgery. Nurse R, et al.
Dimens Health Serv 1982 Mar;59(3):34–6
Psychiatric consultations at medical and surgical wards: the role of psychiatric consultant. Mimoto K, et al.
Folia Psychiatr Neurol Jpn 1982;36(1):17–22
Behavioral preparation for surgery: benefit or harm? Wilson JF. **J Behav Med** 1981 Mar;4(1):79–102
Differences in crisis reactions among cancer and surgery patients. Gottesman D, et al. **J Consult Clin Psychol** 1982 Jun;50(3):381–8
Psychological preparation for surgery: patient recall of information. Reading AE. **J Psychosom Res** 1981; 25(1):57–62
Social and emotional needs of geriatric surgery patients. Neugent MC. **Soc Work Health Care** 1981 Summer; 6(4):69–75
[Psychological problems in emergency surgery] Neidhardt JH. **Rev Med Suisse Romande** 1982 Jan;102(1):21–6 **(Fre)**
[Information—from the patient's viewpoint] Specht G.
Chirurg 1982 Mar;53(3):suppl 25–8 **(Ger)**
[A second opinion before elective operations [editorial] Adar R. **Harefuah** 1982 Jan 15;102(2):82–3 **(Heb)**
[Somatopsychologic correlations in gynecologic surgery] Angelini G, et al. **Minerva Med** 1981 Nov 3; 72(43):2895–900 (Eng. Abstr.) **(Ita)**
[Preoperative anxiety and effect of lorazepam (author's transl)] Mizuguchi T, et al. **Masui** 1982 Mar;31(3):229–34 (Eng. Abstr.) **(Jpn)**

REHABILITATION

[Metisoprinol therapy of anergy in the surgical patient] Ronconi P, et al. **Chir Patol Sper** 1981 Feb;29(1):20–33

(Eng. Abstr.) **(Ita)**

STANDARDS

Effective and creative surveillance and reporting of surgical wound infections. Kaiser AB. **Infect Control** 1982 Jan–Feb; 3(1):41–3

Techniques known to prevent post-operative wound infection. Nichols RL. **Infect Control** 1982 Jan–Feb; 3(1):34–7

Surgery in patients with circulating lupus anticoagulant. Shaulian E, et al. **Int Surg** 1981 Apr–Jun;66(2):157–9

A team concept. Helping the diabetic patient through surgery. Nice GW, et al. **J Kans Med Soc** 1981 Dec; 82(12):547–50

Surgical bacteriology: an overview. Nichols RL. **Surg Annu** 1981;13:205–38 (131 ref.)

TRENDS

Ten-year trends in Canada for selected operations. Mindell WR, et al. **Can Med Assoc J** 1982 Jul 1;127(1):23–7

Review of general surgery 1980. Ellis H. **Postgrad Med J** 1981 Jun;57(668):341–57 (121 ref.)

Surgery in an era of constrained resources. Gertman PM. **Surg Clin North Am** 1982 Aug;62(4):781–91

Variations in operative rates: what do they mean? Vayda E, et al. **Surg Clin North Am** 1982 Aug;62(4):627–39 (46 ref.)

[History of abdominal wall surgery. Historical aspects and developmental trends (I)] Schlosser GA, et al. **Med Welt** 1981 Oct 30;32(44):1672–6 **(Ger)**

[Trends in development of surgical oncology] Peterson BE. **Khirurgiia (Mosk)** 1981 Sep;(9):21–5 (Eng. Abstr.) **(Rus)**

[Status and developmental prospects of abdominal surgery] Nesterenko IuA, et al. **Sov Med** 1981;(12):65–71 **(Rus)**

UTILIZATION

Surgeons and surgery in Rhode Island, 1970 and 1977. Williams DC. **N Engl J Med** 1981 Nov 26;305(22):1319–23

Variations in medical care among small areas. Wennberg J, et al. **Sci Am** 1982 Apr;246(4):120–34

More data on post-surgical deaths related to the 1976 Los Angeles doctor slowdown. Roemer MI. **Soc Sci Med [C]** 1981 Sep;15C(3):161–3

Surgical operations in short-stay hospitals: United States, 1978. Pokras R, et al. **Vital Health Stat [13]** 1982 Mar; 13(61):1–56

SURGERY, ORAL

Outpatient sedation for oral surgery. A new technique using etomidate. Ward ME, et al. **Anaesthesia** 1982 Mar; 37(3):289–94

The team approach in orofacial management. Mason RM, et al. **Ann Plast Surg** 1982 Jan;8(1):71–8

Eye protection for patients undergoing oral surgery. Bourne J, et al. **Br J Oral Surg** 1980 Sep;18(2):136–7

Analgesic effect of fentiazac after tooth extraction or minor oral surgery. Shimura K, et al. **Clin Ther** 1981;4(1):12–7

Concentrations of cefotaxime and piperacillin in serum, subcutaneous tissue and muscle of patients undergoing dental surgery [letter] Daschner FD, et al. **Infection** 1981; 9(6):302

Transactions from the Seventh International Conference on Oral Surgery, 23–26 June 1980, Dublin, Ireland. **Int J Oral Surg** 1981;10(Suppl 1):1–332

Blood components for oral surgery. Bowell GR. **Int J Oral Surg** 1981;10(Suppl 1):203–7

The oral surgeon and holistic health. Hirschi RG. **Int J Oral Surg** 1981;10(Suppl 1):156–60 (15 ref.)

A comparison of plain 2 per cent lignocaine and 2 per cent lignocaine with adrenaline in local analgesia for minor oral surgery. Kabambe WM, et al. **J Dent** 1982 Jun;10(2):136–9

What's really best for the patient? [editorial] Laskin DM. **J Oral Maxillofac Surg** 1982 Aug;40(8):472

Diagnosis and treatment planning: a coordinated effort between oral and maxillofacial surgery and orthodontics. West RA, et al. **J Oral Surg** 1981 Nov;39(11):809–16

Myasthenia gravis—recommendations regarding dental or oral surgery. Aita JF. **Nebr Med J** 1981 Feb;66(2):35

[Basic concepts of dietetics in oral surgery] Descriaud S. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):119–27 **(Fre)**

[Discussion comment on R. Will's article, 'Wound Sealing and Clot Stabilization with Human Fibrin Adhesive in Oral Surgery', Dtsch. zahnärztl. Z. vol. 36, 74–8 (1981)] Teiser J, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):536–9 **(Ger)**

[Trials with the native physiological tube-feeding diet Nutro-Drip after maxillofacial operations] Lange H, et al. **Infusionsther Klin Ernahr** 1981 Dec;8(6):291–301 (Eng. Abstr.) **(Ger)**

[Bacteriological and clinical examinations of vacuum drainages after various operations in the jaw-face area (author's transl)] Pfister W, et al. **Zahn Mund Kieferheilkd** 1981;69(6):491–5 (Eng. Abstr.) **(Ger)**

[CT 1341 in ambulatory orodental surgery] Savoia G, et al. **Minerva Anestesiol** 1981 Oct;47(10):687–94 **(Ita)**

[Clinical assessment of the analgesic activity of diflunisal in oromaxillofacial surgery] Bologna G. **Minerva Stomatol** 1982 Jan–Feb;31(1):115–7 (Eng. Abstr.) **(Ita)**

[Reconstructive surgery. What happens when the surgeon does not recognize his own limitations] Gliosci A. **Minerva Stomatol** 1981 Sep–Oct;30(5):383–7 (Eng. Abstr.) **(Ita)**

[Use of indomethacin after operations in the maxillofacial area experimental and clinical observations] Biberman IaM, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):52–4 (Eng. Abstr.) **(Rus)**

[Deontological problems in the oral surgery hospital] Ruzin GP, et al. **Stomatologiia (Mosk)** 1981;60(4):63–4 **(Rus)**

ADVERSE EFFECTS

Quantitation of experimental postsurgical edema. Bertolami CN, et al. **J Oral Maxillofac Surg** 1982 Aug;40(8):473–6

EDUCATION

Oral surgery training in the United States of America. Frame JW. **Br J Oral Surg** 1980 Jun;18(1):86–9

Preoperative assessment for practicing oral and maxillofacial surgeons. Webb CH, et al. **J Dent Educ** 1982 Sep; 46(9):558–60

Self-instruction guides in the undergraduate oral surgery curriculum. Smith RA, et al. **Oral Surg** 1981 Jul;52(1):28–30

[Problem-oriented instruction in departments of operative surgery and topographical anatomy in the training of dentists] Toporov GN, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):63–5 **(Rus)**

HISTORY

[Development of oral surgery in Rostock] Andrä A. **Zahn Mund Kieferheilkd** 1982;70(1):4–9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Lingual flap retractor for surgery in third molar area. Browne WG. **Br J Oral Surg** 1982 Jun;20(2):151–2

A microscope for use in dentistry. Apotheker H, et al. **J Microsurg** 1981 Fall;3(1):7–10

Parapharyngeal peak for oral surgery. Hilley MD. **J Oral Maxillofac Surg** 1982 Jun;40(6):391–2

[Clinical and experimental examinations to estimate the function of the vacuum-drainage of organic liquids (author's transl)] Müller W, et al. **Zahn Mund Kieferheilkd** 1981;69(7):584–95 (Eng. Abstr.) **(Ger)**

[Device for securing the T-joint of the anesthesia apparatus in performing operations in the maxillofacial area under endotracheal anesthesia] Solntsev AM, et al. **Klin Khir** 1982 Jan;(1):68–9 **(Rus)**

METHODS

Management of the asthmatic patient undergoing dental surgery. Geist ET, et al. **J Am Dent Assoc** 1982 Jul; 105(1):65–9 (21 ref.)

[Oral surgery interventions in Willebrand-Jürgens syndrome] Wahl G, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):33–8 (Eng. Abstr.) **(Ger)**

[Double closure repair in surgical interventions in the oral cavity] Wenger B. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91(9):626–31 (Eng. Abstr.) **(Ger)**

[Tubed pedicle flap in oral surgery] Pulay G. **Fogorv Sz** 1981 Nov;74(11):321–5 **(Hun)**

PSYCHOLOGY

Predicting psychologic responses to orthognathic surgery. Kiyak HA, et al. **J Oral Maxillofac Surg** 1982 Mar; 40(3):150–5

STANDARDS

Transmission of hepatitis B by an oral surgeon. Reingold AL, et al. **J Infect Dis** 1982 Feb;145(2):262–8

TRENDS

Trends and emphasis in research in clinical oral surgery. Boering G. **Int J Oral Surg** 1981 Jun;10(3):149–53

SURGERY, ORAL, PREPROSTHETIC

Prosthetic treatment of patients after bone grafting procedures. Schwarz WD. **Br J Oral Surg** 1982 Mar; 20(1):45–52

A question of surgical intervention [letter] Kaiser O. **J Am Dent Assoc** 1982 Feb;104(2):142

[Preprosthetic tissue preparation in removable partial dentures] Bender JC, et al. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):109–16 **(Fre)**

[Expectations of the prosthodontist for the preprosthetic surgical procedure] Böttger H. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):71–5 (Eng. Abstr.) **(Ger)**

[Preprosthetic interventions today] Frenkel G. **Dtsch Zahnarztl Z** 1982 Feb;37(2):76–81 (Eng. Abstr.) **(Ger)**

[Follow-up studies on the functional state in total tooth replacement after preprosthetic measures on the mandibular prosthesis support] Gernet W, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):152–4 **(Ger)**

[Indication for and frequency of preprosthetic interventions: the results of a survey] Kerschbaum T. **Dtsch Zahnarztl Z** 1982 Feb;37(2):82–7 (Eng. Abstr.) **(Ger)**

[Late results of vestibular pocket formation after absolute alveolar ridge augmentation in the area of the anterior mandible] Liem KG, et al. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):149–51 (Eng. Abstr.) **(Ger)**

[Late results of relative mandibular ridge augmentation in the atrophic mandible] Meissner B, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):139–42 (Eng. Abstr.) **(Ger)**

[10 years' clinical experience with cialit-preserved supporting tissue in preprosthetic surgery] Schmelzle R, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):136–8 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Use of the mandibular staple bone plate with augmentation in bone grafts. Liposky RB. **J Oral Maxillofac Surg** 1982 Aug;40(8):527–31

METHODS

Augmentation of the edentulous mandible using bone and hydroxyapatite: a comparative study in dogs. Frame JW, et al. **Int J Oral Surg** 1981;10(Suppl 1):88–92

Long-term results with the visor-osteotomy. Härle F. **Int J Oral Surg** 1981;10(Suppl 1):83–7

Root banking to preserve alveolar bone: a review and clinical recommendation. Dugan DJ, et al. **J Am Dent Assoc** 1981 Nov;103(5):737–43 (45 ref.)

Achieving an esthetic appearance with a fixed prosthesis by submucosal grafts. Kaldahl WB, et al. **J Am Dent Assoc** 1982 Apr;104(4):449–52

Preprosthetic management of severe alveolar ridge atrophy. Wessberg GA, et al. **J Am Dent Assoc** 1982 Apr; 104(4):464–72

Mandibular interpositional and onlay bone grafting for treatment of mandibular bony deficiency in the edentulous patient. Frost DE, et al. **J Oral Maxillofac Surg** 1982 Jun; 40(6):353–60

Use of the mandibular staple bone plate with augmentation in bone grafts. Liposky RB. **J Oral Maxillofac Surg** 1982 Aug;40(8):527–31

Reverse visor osteotomy for augmentation of the atrophic edentulous mandible. Stratigos GT, et al. **J Oral Maxillofac Surg** 1982 Apr;40(4):231–3

Treatment of a resected and grafted mandible by mandibular staple implant. Solfanelli SX, et al. **J Oral Surg** 1981 Dec; 39(12):966–9

Periodontal surgery as an aid to restoring fractured teeth. McDonald FL, et al. **J Prosthet Dent** 1982 Apr; 47(4):366–72

Augmentation rib grafting to the inferior border of the atrophic edentulous mandible: a 5-year experience. Sanders B, et al. **J Prosthet Dent** 1982 Jan;47(1):16–22

Postsurgical stabilization of multiple alveolar-tooth segments. Schmidt WH, et al. **Milit Med** 1981 Aug;146(8):577–9

[Indication, methods and results in absolute mandibular alveolar ridge augmentation] Härle F. **Dtsch Zahnarztl Z** 1982 Feb;37(2):121–6 (58 ref.) (Eng. Abstr.) **(Ger)**

[Reconstruction of the atrophic alveolar process via bone transposition] Martis C, et al. **Dtsch Zahnarztl Z** 1982 Jun; 37(6):513–6 (Eng. Abstr.) **(Ger)**

[Late results of absolute mandibular ridge augmentation in the atrophic mandible by the 'sandwich plastic technic'] Schettler D. **Dtsch Zahnarztl Z** 1982 Feb;37(2):132–5 (Eng. Abstr.) **(Ger)**

[Principles and standard procedure for the surgical improvement of the prosthesis support] Schwenzer N. **Dtsch Zahnarztl Z** 1982 Feb;37(2):127–31 (Eng. Abstr.) **(Ger)**

[Long-term experiences with autoplastic grafts in preprosthetic surgery] Steinhäuser EW, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):88–93 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The use of Cattell's personality profile in patients who have had preprosthetic surgery. Reeve P, et al. **J Dent** 1982 Jun;10(2):121–30

SURGERY, OUTPATIENT see **AMBULATORY SURGERY**

SURGERY, PLASTIC

Hypnoanesthesia for office surgery. McCoy LR. **AANA J** 1982 Apr;50(2):167–8

A new method of dissection and transposition of the latissimus dorsi myocutaneous flap. Kenyeres M. **Acta Chir Plast (Prague)** 1982;24(1):19–27

Reconstruction of the removed lower eyelid by a 'pocket-flap' on two pedicles. Posazhennikov AP. **Acta Chir Plast (Prague)** 1982;24(1):42–50

Clinicopathologic correlations in pseudocapsule formation after breast augmentation. Jenny H, et al. **Aesthetic Plast Surg** 1981;5(1):63–8

Patient dissatisfaction with results of technically satisfactory surgery. Macgregor FC. **Aesthetic Plast Surg** 1981; 5(1):27–32

A surgeon returns to Vietnam. Constable JD. **Am J Surg** 1982 Apr;143(4):443–9

Nasolabial flap in intraoral reconstruction. Review of 55

cases. Morgan RF, et al. **Am J Surg** 1981 Oct;142(4):448–50
Psychologist in a plastic surgery service. Clifford E. **Ann Plast Surg** 1982 Jan;8(1):79–82
The plastic surgeon—doctor or physician? Goldwyn RM. **Ann Plast Surg** 1982 Mar;8(3):189–92
Oriental blepharoplasty—a critical review of technique and potential hazards. Hin LC. **Ann Plast Surg** 1981 Nov; 7(5):362–74
Humanitarianism in plastic surgery. Laub DR. **Ann Plast Surg** 1981 Aug;7(2):99–101
A simple method for protecting breast implants during insertion. Lavine DM, et al. **Ann Plast Surg** 1981 Nov; 7(5):418–9
The team approach in orofacial management. Mason RM, et al. **Ann Plast Surg** 1982 Jan;8(1):71–8
Chest wall reconstruction—management of the difficult chest wound. Scheflan M, et al. **Ann Plast Surg** 1982 Feb; 8(2):122–31
The current Stanford program [editorial] Vistnes LM. **Ann Plast Surg** 1981 Aug;7(2):92–6
OR team changes life for Hondurans. Lahde RE. **AORN J** 1982 Aug;36(2):195–204
The anatomy of eyebrow ptosis. Lemke BN, et al. **Arch Ophthalmol** 1982 Jun;100(6):981–6
Evaluation of the lacrimal system for cosmetic surgeons. Stasior OG. **Arch Otolaryngol** 1982 Aug;108(8):495–7
Prepuce restoration seekers: psychiatric aspects. Mohl PC, et al. **Arch Sex Behav** 1981 Aug;10(4):383–93
Local recurrence of breast cancer: its significance in relation to breast reconstruction. Mendelson BC. **Aust NZ J Surg** 1982 Feb;52(1):59–63
Composite cone breast reconstruction: two-stage repair after mastectomy. Emmett AJ. **Br J Plast Surg** 1981 Jul; 34(3):272–9
The surgical treatment of microtia: a long-term review of 17 patients. Fraser AG, et al. **Br J Plast Surg** 1982 Apr; 35(2):185–94
A simple system of photography for the trainee plastic surgeon. Henderson HP. **Br J Plast Surg** 1982 Jan; 35(1):100–1
Plastic surgical management of children with Down's syndrome: indications and results. Olbrisch RR. **Br J Plast Surg** 1982 Apr;35(2):195–200
A versatile method for the release of burn scar contractures. El-Otefy MA. **Br J Plast Surg** 1981 Jul;34(3):326–30
Plastic surgery in a large hospital. Pers M, et al. **Br J Plast Surg** 1981 Oct;34(4):373–8
Post-auricular split-skin grafts. Reid WH, et al. **Br J Plast Surg** 1981 Oct;34(4):414–6
Hypnotic psychotherapy and cosmetic surgery. Scott DL, et al. **Br J Plast Surg** 1981 Oct;34(4):478–80
Fenestration and delayed skin grafting for the cover of the exposed inner table of the skull. Shanoff E, et al. **Br J Plast Surg** 1981 Jul;34(3):331–3
Nipple banking [letter] Snyderman RK. **CA** 1982 May–Jun; 32(3):187–8
Aesthetic aspects of reconstructive surgery. **Clin Plast Surg** 1981 Apr;8(2):165–408
Dry eye syndrome and other tear film abnormalities. Jelks GW, et al. **Clin Plast Surg** 1981 Oct;8(4):803–10
Symposium on one-stage reconstructions. Preface. Rogers BO. **Clin Plast Surg** 1982 Jan;9(1):3–13
Breast reconstruction without a silicone implant. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):85–9
Anal reconstruction by a modified Pickrell procedure. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):109–12
Experiences with the Krukenberg plastic operation. Song R. **Clin Plast Surg** 1982 Jan;9(1):79–84
Reconstruction of the cheek and lips. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):71–2
Total reconstruction of the male genitalia. Song R. **Clin Plast Surg** 1982 Jan;9(1):97–104
Reconstruction of the external ear. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):49–52
Hypospadias repair. Song R, et al. **Clin Plast Surg** 1982 Jan; 9(1):91–5
Reconstruction of the vagina with sensory function. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):105–8
Free flaps to the head and neck. Achauer BM, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):315–23
Breast reconstruction after mastectomy. Johnson HA. **IMJ** 1981 Sep;160(3):167–9
Suggestions for standardized clinical photography in plastic surgery. Jemec BI, et al. **J Audiov Media Med** 1981 Jul; 4(3):99–102
Reconstruction of defects following Mohs' surgery. Casson PR, et al. **J Dermatol Surg Oncol** 1981 Oct;7(10):811–7
Informed consent. Farber GA. **J Dermatol Surg Oncol** 1982 Jan;8(1):38–9
'Things are never what they seem, skim milk masquerades as cream'. Rusca JA, et al. **J Med Assoc Ga** 1982 Feb; 71(2):103–5
Correction of burn deformities using free flap transfer. Ohmori S. **J Trauma** 1982 Feb;22(2):104–11
The CO2 laser in the treatment of cavernous haemangioma of the lower lip: a case report. Ohshiro T. **Lasers Surg Med** 1981;1(4):337–45
Breast reconstruction following mastectomy with the latissimus dorsi musculocutaneous flap. Skow J, et al. **Minn Med** 1981 Aug;64(8):455–8
Cranioplas., with pre-moulded and pre-sterilized methyl methacrylate plates. Seixas V, et al. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):182–3
Reconstruction of an upper lip and the coloboma in the nasal ala accompanying with Freeman–Sheldon syndrome. Nara T. **Nippon Geka Hokan** 1981 Jul 1;50(4):626–32
Epigard in the management of eyelid neoplasms. La Piana FG. **Ophthalmic Surg** 1981 Oct;12(10):744–6
What is best for the patient. Adamson JE. **Plast Reconstr Surg** 1982 May;69(5):854–5
Selection and care of cardiac patients for plastic surgery. Barrett BM Jr, et al. **Plast Reconstr Surg** 1982 May; 69(5):845–51
A minor complication of blepharoplasty. Bennett JE, et al. **Plast Reconstr Surg** 1982 May;69(5):856–8
Medial canthal tendon reconstruction. Brody GS, et al. **Plast Reconstr Surg** 1981 Nov;68(5):789–91
A plastic surgeon returns to Vietnam. Constable JD. **Plast Reconstr Surg** 1981 Oct;68(4):618–28
Free grafting of the omentum for soft-tissue augmentation: a preliminary laboratory study. Das SK, et al. **Plast Reconstr Surg** 1981 Oct;68(4):556–60
Malignant hyperthermia: a consideration for plastic surgeons. Dohlman LE. **Plast Reconstr Surg** 1982 Mar;69(3):547–51
Utilization of a composite island flap employing omentum in organ reconstruction: an experimental investigation. Erol OO, et al. **Plast Reconstr Surg** 1981 Oct;68(4):561–70
Hazards of dissociation anesthesia [letter] Faggella RM Jr. **Plast Reconstr Surg** 1982 Mar;69(3):571–2
Proplast [letter] Freeman BS. **Plast Reconstr Surg** 1982 May; 69(5):902–3
Craniofacial surgery: an opportunity for patients and plastic surgery [editorial] Goldwyn RM. **Plast Reconstr Surg** 1982 May;69(5):852–3
Current policies of the American Board of Plastic Surgery. Hanna DC. **Plast Reconstr Surg** 1982 Apr;69(4):714–6
Insurance coverage for cosmetic surgery complications [letter] Isaacs G. **Plast Reconstr Surg** 1982 May;69(5):907–8
Aesthetic refinements in prophylactic subcutaneous mastectomy with submuscular reconstruction. Jarrett JR, et al. **Plast Reconstr Surg** 1982 Apr;69(4):624–31
Presidential address. Quotations, ruminations, and illuminations: the state of the Society. Kaye BL. **Plast Reconstr Surg** 1981 Nov;68(5):776–8
Customized silicone implants of the breast and chest. Lavey E, et al. **Plast Reconstr Surg** 1982 Apr;69(4):646–51
The forehead lift [letter] Luckey RC. **Plast Reconstr Surg** 1981 Oct;68(4):645–6
Plastic surgery symposium in China [letter] McCarthy JG, et al. **Plast Reconstr Surg** 1982 Jan;69(1):170–1
Reduction mammaplasty and correction of ptosis with a short inframammary scar. Marchac D, et al. **Plast Reconstr Surg** 1982 Jan;69(1):45–55
Late side effects related to inflatable breast prostheses containing soluble steroids. Oneal RM, et al. **Plast Reconstr Surg** 1982 Apr;69(4):641–5
Advertising and PR agents [editorial] Rubin LR. **Plast Reconstr Surg** 1982 Jan;69(1):117–8
Factors affecting nausea and vomiting in the plastic surgery patient. Stein JM. **Plast Reconstr Surg** 1982 Oct; 70(4):505–11
Cephalometric analysis: part I. Zide B, et al. **Plast Reconstr Surg** 1981 Nov;68(5):816–23
Anti-wrinkle therapy [letter] Cohen S. **S Afr Med J** 1982 May 8;61(19):690
The Pietermaritzburg craniofacial unit. Losken HW, et al. **S Afr Med J** 1982 Aug 7;62(7):203–6
Facial balance—the chin, lips and aesthetic rhinoplasty. Shaer WD. **S Afr Med J** 1982 Jul 31;62(6):163–6
Breast reconstruction. White PB, et al. **S Afr Med J** 1982 Jul 24;62(4):131–4
Hypospadias repair: with construction of a fossa navicularis. Poulsen H, et al. **Scand J Plast Reconstr Surg** 1982; 16(1):55–9
The pectoralis major myocutaneous flap: its use in reconstruction following head and neck surgery. Congedo CZ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring;35(1):48–50
Cosmetic surgical procedures for the aging face. Owsley JQ Jr. **West J Med** 1982 Mar;136(3):203–10
[The use of free compound bone flap and deep circumflex iliac vessel transplantation in reconstruction on mandibular defects (author's transl)] Liu JC. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):3–6 **(Chi)**
[Reconstructive surgery of the breast and bilateral cancers] Montandon D, et al. **Ann Chir Plast** 1982;27(1):53–60 (Eng. Abstr.) **(Fre)**
[Uncertainties of mammoplasty. Hormonal factors : physiology of the breast and therapeutic impact in the surgery of breast hypertrophy] Nicoletis C, et al. **Ann Chir Plast** 1981;26(4):359–67 (Eng. Abstr.) **(Fre)**
[Reconstruction of the breast following mastectomy. History, current status, future perspectives] Dufourmentel C. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):103–8 **(Fre)**
[Plastic surgery in regional hospitals (Moutier, Delémont, Porrentruy)] Brêchet J. **Rev Med Suisse Romande** 1981 Jun; 101(6):439–45 **(Fre)**
[Surgical management of arterial and nervous lesions in the framework of plastic surgery] Loosli RM, et al. **Z Unfallmed Berufskr** 1982;75(1):55–8 **(Fre)**
[On various possibilities of using autologous strips of corium in reconstructive surgery (author's transl)] Kleinfeld F, et al. **Aktuel Traumatol** 1982 Jun;12(3):140–5 **(Ger)**
[Comparative study of alloplastic and homoplastic lacrimal duct reconstruction] Kurz M. **Buch Augenarzt** 1981; (84):109–14 (Eng. Abstr.) **(Ger)**
[Breast enlargement with silastic prosthesis. Critical results 6 years later] Brobmann GF, et al. **Fortschr Med** 1982 Apr 8;100(13):600–4 (Eng. Abstr.) **(Ger)**
[Plastic surgery workshop: errors and risks in using free transplants and implants in the facial area] **HNO** 1982 Apr; 30(4):131–58 **(Ger)**
[Experiences of Voice Rehabilitation after total laryngectomy with the method of Staffieri. Comparing postoperative examinations within a period of two years (author's transl)] Kuske I. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):373–5 (Eng. Abstr.) **(Ger)**
[Problems of liability in plastic and reconstructive surgery (author's transl)] Köhnlein HE. **Z Rechtsmed** 1981; 87(1–2):133–45 (Eng. Abstr.) **(Ger)**
[Methods of plastic repair in cases of traumatic fingertip amputation] Lavagnino G, et al. **Ann Osp Maria Vittoria Torino** 1979 Jul–Dec; 22(7–12):360–4 **(Ita)**
[Current possibilities of reconstruction of the nipple after mastectomy for tumors] Donati L, et al. **Minerva Chir** 1982 Mar 15;37(5):501–5 **(Ita)**
[Subcutaneous mastectomy and reconstruction in benign breast diseases] Santoni-Rugiu P, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1011–8 (Eng. Abstr.) **(Ita)**
[Reconstructive surgery. What happens when the surgeon does not recognize his own limitations] Gliosci A. **Minerva Stomatol** 1981 Sep–Oct;30(5):383–7 (Eng. Abstr.) **(Ita)**
[Urethral plastic surgery in hypospadias] Cavaliere P, et al. **Minerva Urol** 1981 Apr–Jun;33(2):77–84 **(Ita)**
[Roentgenographic appearance of augmentation mammoplasty with emphasis on the relationship between implanted materials and calcification (author's transl)] Koide T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jun 25;41(6):511–26 (Eng. Abstr.) **(Jpn)**
[Repeated reconstructive surgery in children with insufficiency of the anal sphincter] Sulaimanov AS. **Khirurgiia (Mosk)** 1981 Sep;(9):88–91 (Eng. Abstr.) **(Rus)**
[Use of septopal in plastic surgery] Mariš F. **Rozhl Chir** 1981 Nov;60(11):777–81 (Eng. Abstr.) **(Slo)**
[Minor esthetic failures in otoplasty for lop ears] Bermúdez Polonio R. **An Otorrinolaringol Ibero Am** 1982;9(1):5–40 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Post-mammoplasty connective tissue disease. van Nunen SA, et al. **Arthritis Rheum** 1982 Jun;25(6):694–7
Blindness associated with cosmetic blepharoplasty. Stasior OG. **Clin Plast Surg** 1981 Oct;8(4):793–5
Complications of blepharoplasty. Orbital hematoma, ectropion, and scleral show. Tenzel RR. **Clin Plast Surg** 1981 Oct;8(4):797–802
Toroidal breast reduction: an unsatisfactory procedure. Cardona-Loya O, et al. **Plast Reconstr Surg** 1982 Jul; 70(1):46–50
The value of xeromammography for ruptured breast implants [letter] Cohen IK, et al. **Plast Reconstr Surg** 1982 May; 69(5):898–90
[Complications in face lifting] Zellner PR, et al. **Z Plast Chir** 1981 Dec;5(4):234–40 (Eng. Abstr.) **(Ger)**

EDUCATION

The Stanford integrated plastic surgery program—history and philosophy [editorial] Chase RA. **Ann Plast Surg** 1981 Aug;7(2):97–8
Molding a career. Romm S. **J Am Med Wom Assoc** 1982 Mar;37(3):69
On looking back [editorial] Bromberg BE. **Plast Reconstr Surg** 1982 Feb;69(2):317–9
[Plastic surgery (editorial)] Matton G. **Acta Chir Belg** 1982 May–Jun;82(3):XLVIII–LII **(Dut)**

HISTORY

As I remember: Clarence R. Straatsma. **Ann Plast Surg** 1981 Oct;7(4):327–32
Leo A. Bornstein. Hirshowitz B. **Ann Plast Surg** 1982 May; 8(5):432–3
Is there plastic surgery in the Edwin Smith Papyrus? Goldwyn RM. **Plast Reconstr Surg** 1982 Aug;70(2):263–4
History of plastic surgery in China [letter] Lu M. **Plast Reconstr Surg** 1982 Aug;70(2):273–4
John Bingham Roberts: Philadelphia plastic surgeon. Shell DH 3d. **Plast Reconstr Surg** 1982 Jan;69(1):145–54
[Historical aspects of free flaps (author's transl)] Moermans JP, et al. **Acta Chir Belg** 1982 May–Jun;82(3):213–8 (Eng. Abstr.) **(Fre)**
[Cancer of the cheek and autoplasty in the year 1828. A genioplasty operation performed by Roux de Brignolles, Gazette Médicale de Paris 1838] Firmin F. **Ann Chir Plast** 1982;27(1):91–3 **(Fre)**
[The care of amputation stumps by osteo-myeloplastic according to v. Ertl] von Ertl JW. **Z Plast Chir** 1981 Sep; 5(3):184–9 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

An inexpensive inkstand for the operating room.

Bloomenstein RB, et al. **Ann Plast Surg** 1982 Feb;8(2):181
Blunt dissection in augmentation mammaplasty–an instrumental aid. Webster RC, et al. **Ann Plast Surg** 1981 Nov;7(5):415–7
A portable, economical ultraviolet lamp. Stubbs RH, et al. **Br J Plast Surg** 1981 Jul;34(3):271
Two new instruments to identify the standard positions of the head and face during anthropometry. Farkas LG, et al. **Plast Reconstr Surg** 1982 May;69(5):879–80
Bite-block blepharoplasty. Little JW 3d, et al. **Plast Reconstr Surg** 1982 Feb;69(2):348–51
Breast reconstruction after mastectomy using the temporary expander. Radovan C. **Plast Reconstr Surg** 1982 Feb; 69(2):195–208
Inflatable device for intraoperative use during augmentation mammaplasty [letter] Rigg BM. **Plast Reconstr Surg** 1982 May;69(5):898
Intraoperative measurements in cosmetic surgery of the face. Tegtmeier RE. **Plast Reconstr Surg** 1981 Oct;68(4):608–10

METHODS

Reduction mammaplasty in serious gynaecomastias using a single superiorly based flap. Fára M, et al. **Acta Chir Plast (Prague)** 1981;23(3):159–62
Our experience with hypopharyngeal reconstruction using deltopectoral flaps. Hasman L, et al. **Acta Chir Plast (Prague)** 1981;23(3):169–79
The use of periosteal flaps for bridging maxillary defects in facial clefts. Hrivnáková J, et al. **Acta Chir Plast (Prague)** 1981;23(3):130–8
Arterial forehead flaps in reconstructive surgery of the face. Mariš F. **Acta Chir Plast (Prague)** 1981;23(4):206–15
Repair after orbital exenteration. Personal technique. Frezzotti R, et al. **Acta Neurochir (Wien)** 1982; 60(1–2):119–24
The new low bleed mammary prosthesis: an experimental study in mice. Barker DE, et al. **Aesthetic Plast Surg** 1981; 5(1):85–91
Surgical technique of cervical lift and facial lipectomy. Connell BF. **Aesthetic Plast Surg** 1981;5(1):43–50
Importance of cervicomental complex treatment in rhytidoplasty. de Souza Pinto EB. **Aesthetic Plast Surg** 1981;5(1):69–75
Central core reduction mammoplasties and Marlex suspension of breast tissue. Johnson GW. **Aesthetic Plast Surg** 1981; 5(1):77–84
Reconstruction of the breast after mastectomy for carcinoma. Prpić I. **Aesthetic Plast Surg** 1981;5(1):33–41
Correction of protruding ears in combination with reduction surgery of hyperplastic auricles. Wegener HE. **Aesthetic Plast Surg** 1981;5(1):57–62
Mammoplasty for tubular breasts. Williams G, et al. **Aesthetic Plast Surg** 1981;5(1):51–6
Tarsal ectropion from detachment of the lower eyelid retractors. Wesley RE. **Am J Ophthalmol** 1982 Apr; 93(4):491–5
Submuscular breast reconstruction--indications and techniques. Apfelberg DB, et al. **Ann Plast Surg** 1981 Sep; 7(3):213–21
Mammaplasties: surgical refinements of the nipple-areola complex. Carvalho CG, et al. **Ann Plast Surg** 1982 Jun; 8(6):458–67
Breast reconstruction with a cryopreserved nipple. Cucin RL. **Ann Plast Surg** 1982 Feb;8(2):163–5
A criticism of premeasured excision and surgical mathematics [letter] Field LM. **Ann Plast Surg** 1981 Sep;7(3):257
Skoog versus conventional rhytidectomy. Foerster DW. **Ann Plast Surg** 1982 Jun;8(6):517–22
Rationale for immediate reconstruction of the breast following modified radical mastectomy. Georgiade G, et al. **Ann Plast Surg** 1982 Jan;8(1):20–8
Plastic surgery and civilian casualties due to 'terrorist' activities. Golan J, et al. **Ann Plast Surg** 1982 May; 8(5):359–62
Modification of the bipedicled vertical dermal flap technique in reduction mammaplasty. Hirshowitz B, et al. **Ann Plast Surg** 1982 May;8(5):363–9
Reconstruction of a transmetacarpal amputation by means of a ray transfer and distraction lengthening. Karev A. **Ann Plast Surg** 1982 May;8(5):423–5
The inferior segment technique for breast reduction. Labandter HP, et al. **Ann Plast Surg** 1982 Jun;8(6):493–503
The combined surgical and orthodontic treatment of mandibular prognathism. Lehman JA Jr, et al. **Ann Plast Surg** 1981 Dec;7(6):458–63
Retromammary versus retropectoral breast augmentation–a comparative study. Mahler D, et al. **Ann Plast Surg** 1982 May;8(5):370–4
Chin augmentation--a restrospective study. Mahler D. **Ann Plast Surg** 1982 Jun;8(6):468–73
Short flaps–their use and abuse in the treatment of male pattern baldness. Mayer TG, et al. **Ann Plast Surg** 1982 Apr;8(4):296–304
The forehead-brow lift. Riefkohl R. **Ann Plast Surg** 1982 Jan;8(1):55–63
Reconstruction of facial deformities with alloplastic material. Schultz RC. **Ann Plast Surg** 1981 Dec;7(6):434–46
Nipple-areola reconstruction after mastectomy. Serafin D, et al. **Ann Plast Surg** 1982 Jan;8(1):29–34
Updating reduction and flap procedures for baldness. Stough DB 3d, et al. **Ann Plast Surg** 1982 Apr;8(4):287–95
Breast reconstruction after radical mastectomy--an approach to rehabilitative surgery. Tabari K. **Ann Plast Surg** 1981 Sep;7(3):222–7
Free serratus anterior muscle and myocutaneous flaps. Takayanagi S, et al. **Ann Plast Surg** 1982 Apr;8(4):277–83
Mobilization of both breasts for reconstruction of a midline anterior chest wall defect. Tsur H, et al. **Ann Plast Surg** 1982 Apr;8(4):314–7
Pathology and treatment of nasoschizis. Van der Meulen JC, et al. **Ann Plast Surg** 1982 Jun;8(6):474–85
Foreheadplasty--a selective approach. Washio H, et al. **Ann Plast Surg** 1982 Feb;8(2):141–7
The dorsal nasal flap. Bray DA, et al. **Arch Otolaryngol** 1981 Dec;107(12):765–6
Augmentation malarplasty. Brennan HG. **Arch Otolaryngol** 1982 Jul;108(7):441–4
Gastric pull-up vs deltopectoral flap for reconstruction of the cervical esophagus. Fredrickson JM, et al. **Arch Otolaryngol** 1981 Oct;107(10):613–6
Contralateral laryngoplasty after supraglottic laryngectomy with vertical extension. Friedman WH, et al. **Arch Otolaryngol** 1981 Dec;107(12):742–5
Columella implants. Reconstruction of the anterior septum. Gutierrez C, et al. **Arch Otolaryngol** 1982 Apr;108(4):243–6
Surgical update on nasal dermoids. Kelly JH, et al. **Arch Otolaryngol** 1982 Apr;108(4):239–42
Rhomboid flap dynamics. Larrabee WF Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):755–7
The frontalis nerve in the temporal brow lift. Liebman EP, et al. **Arch Otolaryngol** 1982 Apr;108(4):232–5
Autoalloplast. An experimental and clinical study. Stucker FJ Jr. **Arch Otolaryngol** 1982 Mar;108(3):130–41
Male and female face-lift incisions. Webster RC, et al. **Arch Otolaryngol** 1982 May;108(5):299–302
Tapering enteroplasty in infants with bowel atresia and short gut. Weber TR, et al. **Arch Surg** 1982 May;117(5):684–8
Modified radical mastectomy with immediate breast reconstruction. Wilkinson LH, et al. **Arch Surg** 1982 May; 117(5):579–82
The versatile latissimus dorsi myocutaneous flap in breast and other reconstruction. O'Brien BM, et al. **Aust NZ J Surg** 1982 Apr;52(2):174–82
A simple face-lift manoeuvre. McGregor IA. **Br J Plast Surg** 1981 Oct;34(4):485
Post mastectomy breast reconstruction using a breast sharing technique. Marshall DR, et al. **Br J Plast Surg** 1981 Oct; 34(4):426–30
Lip lifting. Rozner L, et al. **Br J Plast Surg** 1981 Oct; 34(4):481–4
Split vermilion grafts in reconstructive lip surgery. Vecchione TR. **Br J Plast Surg** 1982 Jan;35(1):67–71
Immediate breast reconstruction after mastectomy using a rectus abdominis myodermal flap without an implant. Drever JM, et al. **Can J Surg** 1982 Jul;25(4):429–31
Single stage total ear reconstruction without using auricular skin. Sun YL, et al. **Chin Med J [Engl]** 1982 Mar; 95(3):167–70
Breast reconstruction. Goldwyn RM. **Clin Obstet Gynecol** 1982 Jun;25(2):443–6
Symposium on one-stage reconstructions. **Clin Plast Surg** 1982 Jan;9(1):1–127
Reconstruction of the sternum and anterior chest wall: aesthetic considerations. Arnold PG. **Clin Plast Surg** 1981 Apr;8(2):389–97
Upper blepharoplasty. Baker TJ. **Clin Plast Surg** 1981 Oct; 8(4):635–41
A personal approach to total auricular construction: case study. Brent B. **Clin Plast Surg** 1981 Apr;8(2):211–21
Aesthetic aspects of hand surgery: microsurgical approach with multiple free tissue transfers. Buncke HJ. **Clin Plast Surg** 1981 Apr;8(2):349–55
Aesthetic approach to upper eyelid reconstruction. Carraway JH. **Clin Plast Surg** 1981 Apr;8(2):237–41
Selection of alternatives in esthetic blepharoplasty. Courtiss EH. **Clin Plast Surg** 1981 Oct;8(4):739–55
The orbicularis oculi muscle. Management in blepharoplasty. Furnas DW. **Clin Plast Surg** 1981 Oct;8(4):687–715
Upper and lower blepharoplasty. Standard technique. Guy CL, et al. **Clin Plast Surg** 1981 Oct;8(4):663–71
Aesthetic reconstructive genital surgery. Horton CE, et al. **Clin Plast Surg** 1981 Apr;8(2):399–406
Aesthetic correction of coronal craniosynostosis. Jackson IT. **Clin Plast Surg** 1981 Apr;8(2):317–26
Cheek reconstruction with advancement-rotation flaps. Juri J, et al. **Clin Plast Surg** 1981 Apr;8(2):223–6
Aesthetic aspects of reconstructive scalp surgery. Juri J, et al. **Clin Plast Surg** 1981 Apr;8(2):243–54
Fat pad sliding and fat grafting for leveling lid depressions. Loeb R. **Clin Plast Surg** 1981 Oct;8(4):757–76
Microgenia: a logical surgical approach. McCarthy JG. **Clin Plast Surg** 1981 Apr;8(2):269–78
Management of the difficult scalp and intracranial wound. Mathes SJ, et al. **Clin Plast Surg** 1981 Apr;8(2):327–32
Latissimus dorsi breast reconstruction: an aesthetic assessment. Maxwell GP. **Clin Plast Surg** 1981 Apr; 8(2):373–87
Aesthetic and functional thumb reconstruction: great toe to hand transfer. May JW Jr. **Clin Plast Surg** 1981 Apr; 8(2):357–62
Craniofacial surgical techniques for aesthetic results in congenital and acute traumatic deformities. Munro IR. **Clin Plast Surg** 1981 Apr;8(2):303–16
Major reconstruction of the eyelids: functional and aesthetic considerations. Mustardé JC. **Clin Plast Surg** 1981 Apr; 8(2):227–36
Aesthetic aspects of reconstructive microsurgery of the lower extremity. Nahai F, et al. **Clin Plast Surg** 1981 Apr; 8(2):369–72
Aesthetic considerations in reconstructive hand surgery: the first web. Peacock EE Jr. **Clin Plast Surg** 1981 Apr; 8(2):363–8
Technique for division and suspension of the orbicularis oculi muscle. Su CT, et al. **Clin Plast Surg** 1981 Oct;8(4):673–8
Aesthetic aspects of microsurgery: composite tissue transfer to the face. Taylor GI, et al. **Clin Plast Surg** 1981 Apr; 8(2):333–48
Aesthetic aspects of bone grafting to the face. Tessier P. **Clin Plast Surg** 1981 Apr;8(2):279–301
Resurfacing the burned face. Warpeha RL. **Clin Plast Surg** 1981 Apr;8(2):255–67
Correction of the Oriental eyelid. Zubiri JS. **Clin Plast Surg** 1981 Oct;8(4):725–37
Reconstructive microsurgery. **IMJ** 1981 Apr;159(4):240–5
One-stage resection and repair in mandibular carcinomas. Varma AK. **Int J Oral Surg** 1981;10(Suppl 1):21–6
Ascending ramus for reconstruction of the mandible. Yoshida H, et al. **Int J Oral Surg** 1981;10(Suppl 1):42–6
Breast reconstruction after mastectomy. Hurwitz PJ. **Isr J Med Sci** 1981 Sep-Oct;17(9–10):980–3
Repair of surgical defects. I. Circular defects on the forehead. Dzubow LM, et al. **J Dermatol Surg Oncol** 1981 Oct; 7(10):764–6
Repair of surgical defects. I. Circular defects on the forehead. A correction [letter] Dzubow LM. **J Dermatol Surg Oncol** 1982 Feb;8(2):88–9
Correction by a flap of suprahyoid fat of a 'witch's chin' caused by a submental retracting scar. Field LM. **J Dermatol Surg Oncol** 1981 Sep;7(9):719–21
Grafts on upper eyelids. Harahap M. **J Dermatol Surg Oncol** 1981 Sep;7(9):725–8
Some useful flaps for covering some defects in the nose. Harahap M. **J Dermatol Surg Oncol** 1982 Feb;8(2):126–31
Repair of split earlobes. A review and a new technique. Harahap M. **J Dermatol Surg Oncol** 1982 Mar;8(3):187–91
Composite grafts from earlobes for reconstruction of defects in noses. Lipman SH, et al. **J Dermatol Surg Oncol** 1982 Feb;8(2):135–7
Surgical gem Telltale markings. Popkin G. **J Dermatol Surg Oncol** 1982 Mar;8(3):174–5
Surgical gem. An alternate method of obtaining a pinch graft. Robinson JK. **J Dermatol Surg Oncol** 1982 Mar;8(3):162
Plastic surgery for the cleft hand. Ueba Y. **J Hand Surg** 1981 Nov;6(6):557–60
Cosmetic surgery. I: Face-lift. Graham JK. **J La State Med Soc** 1981 Nov;133(11):174–6
Cosmetic surgery II: augmentation mammoplasty. Graham JK. **J La State Med Soc** 1982 Jan–Feb;134(1):12–4
Facial and submandibular lipectomy with upward rhytidectomy. Regnault P. **J Maxillofac Surg** 1981 Nov; 9(4):247–52
Restoration of function by pedicled muscle transplants. Schmid E. **J Maxillofac Surg** 1981 Nov;9(4):216–24
Cosmetic improvement of the lateral mentolabial incision. Tashiro H, et al. **J Oral Maxillofac Surg** 1982 Apr;40(4):252
Mentoplasty. Dmytryshyn JR. **J Otolaryngol** 1981 Jun; 10(3):181–4
Facelift surgery. Dmytryshyn JR. **J Otolaryngol** 1981 Jun; 10(3):177–80
University of Toronto teaching rounds. Esthetic evaluation of the lips and cosmetic reconstructions. Ellis DA, et al. **J Otolaryngol** 1982 Jun;11(3):221–5
Use of the fascial plane system in the facelift operation. Ellis DA, et al. **J Otolaryngol** 1981 Jun;10(3):171–6
Bony chin reconstruction. Giguere P. **J Otolaryngol** 1982 Feb;11(1):3–8
Blepharoplasty with ancillary procedures. Gullane PJ. **J Otolaryngol** 1981 Dec;10(6):413–9
Cylindrically modeled bone grafts. Klisić P, et al. **J Pediatr Orthop** 1982 Mar;2(1):45–50
Cranioplasty of the difficult frontal region. Firtell DN, et al. **J Prosthet Dent** 1981 Oct;46(4):425–9 (11 ref.)
Free flap phalloplasty. Puckett CL, et al. **J Urol** 1982 Aug; 128(2):294–7
Reconstruction following amputation of the penis in children. Tank ES, et al. **J Urol** 1982 Aug;128(2):386–8
'How I do it' - plastic surgery. Practical suggestions on facial plastic surgery. The temporalis myofascial dynamic sling. Duckert LG, et al. **Laryngoscope** 1981 Nov;91(11):1963–5
'How I do it' – plastic surgery. Practical suggestions on facial plastic surgery. Correction of the mildly constricted ear. Templer J, et al. **Laryngoscope** 1982 Mar;92(3):339
Comparison of SMAS plication with SMAS imbrication in face lifting. Webster RC, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):901–12
Breast reconstruction. Mendelson BC. **Med J Aust** 1982 Jan 9;1(1):33–5
The evolution of breast reconstruction [editorial] Mendelson BC. **Med J Aust** 1982 Jan 9;1(1):7–8
One-stage lower eyelid reconstruction. Beyer CK, et al. **Ophthalmic Surg** 1982 Jul;13(7):551–4
Tarso-septal Z-plasty combined with skin grafting for the late correction of traumatic upper lid contractures. Zolli CL. **Ophthalmic Surg** 1982 Jul;13(7):576–9
The use and fate of fascia lata and sclera in ophthalmic plastic and reconstructive surgery. Beyer CK, et al.

Ophthalmology (Rochester) 1981 Sep;88(9):869–86
Correction of facial contour deformities with prefabricated sculptured implants. Dortzbach RK, et al.
Ophthalmology (Rochester) 1981 Sep;88(9):908–16
Blepharoplasty. Beekhuis GJ. **Otolaryngol Clin North Am** 1982 Feb;15(1):179–93
Rhytidoplasty. Cameron RR. **Otolaryngol Clin North Am** 1982 Feb;15(1):195–207
Regional flaps in head and neck reconstruction. Hamaker RC, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):99–110
Skin grafts. Hirokawa RH, et al.
Otolaryngol Clin North Am 1982 Feb;15(1):133–45
The role of autografts, homografts, heterografts, and alloplastic implants in reconstructive head and neck surgery. Kornblut AD, et al.
Otolaryngol Clin North Am 1982 Feb;15(1):147–60
The traumatized auricle--care, salvage, and reconstruction. Lacher AB, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):225–39
Local skin flaps in facial reconstruction. McGregor IA.
Otolaryngol Clin North Am 1982 Feb;15(1):77–98
Chemosurgical techniques. Mohs FE.
Otolaryngol Clin North Am 1982 Feb;15(1):209–24
Lip reconstruction. Panje WR.
Otolaryngol Clin North Am 1982 Feb;15(1):169–78
Free flaps versus myocutaneous flaps in reconstruction of the head and neck. Panje WR.
Otolaryngol Clin North Am 1982 Feb;15(1):111–21
Technical aspects of facial contouring using polyamide mesh. Stucker FJ Jr, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):123–31
Scar revision and camouflaging. Webster RC, et al.
Otolaryngol Clin North Am 1982 Feb;15(1):55–68
Methods of shortening the operative time of a total face-lift. Dicker RL. **Otolaryngol Head Neck Surg** 1981 Jul–Aug; 89(4):689–93
Westernization of the oriental eyelid. McCurdy JA Jr.
Otolaryngol Head Neck Surg 1982 Jan–Feb;90(1):142–5
The principle of chemosurgery and delayed primary reconstruction in the management of difficult basal cell carcinomas. Barton FE, et al. **Plast Reconstr Surg** 1981 Nov;68(5):746–52
Latissimus dermal–epidermal nipple reconstruction. Barton FE Jr. **Plast Reconstr Surg** 1982 Aug;70(2):234–7
The free scapular flap. Barwick WJ, et al.
Plast Reconstr Surg 1982 May;69(5):779–87
Role of scalp reduction in the treatment of male pattern baldness. Bell ML. **Plast Reconstr Surg** 1982 Feb; 69(2):272–7
The vastus lateralis musculocutaneous flap in the repair of trochanteric pressure sores: technique and indications. Bovet JL, et al. **Plast Reconstr Surg** 1982 May;69(5):830–4
Objective clinical assessment of fibrous capsular contracture. Burkhardt BR, et al. **Plast Reconstr Surg** 1982 May; 69(5):794–801
Polyurethane-covered gel mammary implants [letter] Capozzi A. **Plast Reconstr Surg** 1982 May;69(5):904
Vastus medialis flap [letter] Christ JE.
Plast Reconstr Surg 1982 May;69(5):897–8
Correction of asymmetrical upper eyelids by measured levator adhesion technique. Ellenbogen R, et al.
Plast Reconstr Surg 1982 Mar;69(3):433–44
Glabellar ostectomy and orbital craniotomies with microscopic control of correction of hypertelorism: a preliminary report of microcraniofacial surgery in two patients. Furnas DW, et al. **Plast Reconstr Surg** 1982 Jul; 70(1):51–63
The seagull incision in posterior cervical lift: indications, limitations, and surgical technique. Guerrerosantos J, et al. **Plast Reconstr Surg** 1982 Sep;70(3):388–96
Reconstruction of traumatic short nose with iliac bone graft and nasolabial flaps. Harii K. **Plast Reconstr Surg** 1982 May;69(5):863–70
Chin advancement [letter] Hase M. **Plast Reconstr Surg** 1982 Jul;70(1):119–20
Poland's syndrome: correction with latissimus muscle transposition. Hester TR Jr, et al. **Plast Reconstr Surg** 1982 Feb;69(2):226–33
Nipple necrosis [letter] Hoffman S. **Plast Reconstr Surg** 1982 May;69(5):898
Late posttraumatic enophthalmos: a correctable deformity? Kawamoto HK Jr. **Plast Reconstr Surg** 1982 Mar; 69(3):423–32
Method for immediate measurement of skin removed during rhytidectomies. Lewis CM. **Plast Reconstr Surg** 1982 Apr; 69(4):614–9
Camouflage of the postauricular scar in rhytidectomy. McKinney P, et al. **Plast Reconstr Surg** 1982 Feb; 69(2):352–5
Reduction mentoplasty. McKinney P, et al.
Plast Reconstr Surg 1982 Aug;70(2):147–52
Use of the muscle flap in chronic osteomyelitis: experimental and clinical correlation. Mathes SJ, et al.
Plast Reconstr Surg 1982 May;69(5):815–29
Earlier correction of the unilateral cleft lip nose. Millard DR Jr. **Plast Reconstr Surg** 1982 Jul;70(1):64–73
Suturing the donor site in hair transplants [letter] Morrison ID. **Plast Reconstr Surg** 1982 Feb;69(2):376
Improved standards in reduction mammaplasty and mastopexy. Nicolle F. **Plast Reconstr Surg** 1982 Mar; 69(3):453–9
Forehead lifts [letter] Nigro DM. **Plast Reconstr Surg** 1982 May;69(5):908
Patient acceptance of immediate reconstruction following mastectomy. Noone RB, et al. **Plast Reconstr Surg** 1982 Apr;69(4):632–40
Forehead lift [letter] Owsley JQ Jr. **Plast Reconstr Surg** 1982 Jun;69(6):1025–6
Correction of the deformed alae secondary to cleft lip. Prado FA, et al. **Plast Reconstr Surg** 1982 Mar;69(3):541–3
Planimetric elongation of skin by Z-plasty. Roggendorf E. **Plast Reconstr Surg** 1982 Feb;69(2):306–16
Trochanteric lipectomy: a new approach. Rosenthal SG.
Plast Reconstr Surg 1982 Feb;69(2):356–8
Breast reconstruction with a transverse abdominal island flap [letter] Scheflan M, et al. **Plast Reconstr Surg** 1982 May; 69(5):908–9
Suction curettage for body contouring [letter] Schrudde J. **Plast Reconstr Surg** 1982 May;69(5):903–4
Microsurgical composite tissue transplantation: indications and technical considerations in breast reconstruction following mastectomy. Serafin D, et al.
Plast Reconstr Surg 1982 Jul;70(1):24–36
Capsular contracture around silicone implants: the role of intraluminal antibiotics. Shah Z, et al.
Plast Reconstr Surg 1982 May;69(5):809–14
Reduction of capsular contracture with two-stage augmentation mammaplasty and pulsed electromagnetic energy (Diapulse therapy). Silver H.
Plast Reconstr Surg 1982 May;69(5):802–8
Transblepharoplasty brow suspension. Sokol AB, et al.
Plast Reconstr Surg 1982 Jun;69(6):940–4
Mentoplasty: a new approach. Toranto IR.
Plast Reconstr Surg 1982 May;69(5):875–8
Neurofibroma of the ear: function and aesthetics. Trevisani TP, et al. **Plast Reconstr Surg** 1982 Aug;70(2):217–9
The vascularized cutaneous scapular flap. Urbaniak JR, et al. **Plast Reconstr Surg** 1982 May;69(5):772–8
Correction of the whistling tip deformity using a palatal mucosa graft. Vecchione TR. **Plast Reconstr Surg** 1982 Feb;69(2):344–7
Handlebar moustache breast reduction. Welsh F.
Plast Reconstr Surg 1982 Mar;69(3):544–6
Facial skeletal contouring for aesthetic purposes. Whitaker LA, et al. **Plast Reconstr Surg** 1982 Feb;69(2):245–53
Aesthetic refinements in the use of the latissimus dorsi flap in breast reconstruction. Wolf LE, et al.
Plast Reconstr Surg 1982 May;69(5):788–93
Reconstruction following simple mastectomy versus reconstruction following subcutaneous mastectomy. Robertson JL. **S Afr J Surg** 1981 Dec;19(4):221–6
Reconstructive surgery after jejunoileal bypass or gastric partition operations. Bingham HG. **South Med J** 1982 May; 75(5):519–21
Breast reconstruction after classic radical mastectomy: use of omental pedicled grafts and fascia lata. Phillips CM. **South Med J** 1982 Mar;75(3):270–3
Plastic reconstruction of partially amputated penis at circumcision. Hanash KA. **Urology** 1981 Sep;18(3):291–3
Advances in plastic surgery. McDonald HD, et al.
West J Med 1982 Jan;136(1):23–8
[Head-nape flap for immediate repair after resection of oro-maxillo-facial malignancies (author's transl)] Lin GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):217–21 **(Chi)**
[Implantation of superficial temporal vessels into a tube flap on the neck: a new method to transfer long-thin tube for ear reconstruction (author's transl)] Shen ZY.
Chung Hua Wai Ko Tsa Chih 1981 Dec;19(12):743–5 (Eng. Abstr.) **(Chi)**
[Sexual life of women after creation of a vagina with a free skin-flap in treatment of Rokitansky-Küster syndrome] Raboch J Jr, et al. **Cesk Gynekol** 1981 Feb;46(1):48 **(Cze)**
[Surgical rehabilitation of the voice after laryngectomy] Hybášek I. **Cesk Otolaryngol** 1982 Jan;31(1):29–35 (Eng. Abstr.) **(Cze)**
[Surgical reconstruction of the throat after total laryngopharyngectomy] Rous J, et al. **Cesk Otolaryngol** 1981 Oct;30(5):257–66 (Eng. Abstr.) **(Cze)**
[20 years of experience in filling defects of the skull with plexiglas] Andrš M, et al. **Rozhl Chir** 1982 Feb;61(2):97–9 (Eng. Abstr.) **(Cze)**
[Reduction surgery of the breasts in severe gynecomastia using a surgical flap with a single pedicle at the top] Fára M, et al. **Rozhl Chir** 1981 Nov;60(11):723–5 (Eng. Abstr.) **(Cze)**
[Reconstruction of the hypopharynx using the deltopectoral flap] Hasman L, et al. **Rozhl Chir** 1982 Feb;61(2):132–40 (Eng. Abstr.) **(Cze)**
[Use of the periosteal flap for bridging defects in the jaw in facial clefts] Hrivnáková J, et al. **Rozhl Chir** 1981 Nov; 60(11):726–33 (Eng. Abstr.) **(Cze)**
[Reduction of mammoplasty using an inferior dermo-glandular pedicle flap] Amar R, et al.
Ann Chir Plast 1981;26(3):243–7 (Eng. Abstr.) **(Fre)**
[Abdominoplasties. Personal technic for reconstruction of the umbilicus. Transfer of the scar to below the umbilicus] Caravel JB. **Ann Chir Plast** 1981;26(3):289–92 (Eng. Abstr.) **(Fre)**
[Modified Stenström procedure in the treatment of prominent ears. Apropos of 250 cases] Decaillet JM, et al.
Ann Chir Plast 1981;26(3):282–5 (Eng. Abstr.) **(Fre)**
[Use of pectoralis major cutaneomuscular flaps in cervicofacial reconstruction. Apropos of 22 cases] Guimberteau JC, et al. **Ann Chir Plast** 1982;27(1):15–9 (Eng. Abstr.) **(Fre)**
[Surgical repair in the treatment of cancer of the lips. Technics and indications] Kauer C, et al.
Ann Chir Plast 1982;27(1):30–5 **(Fre)**
[Lower lid cosmetic surgery techniques. (An interview of D. Marchac and J.P. Lalardrie (by V. Mitz) (author's transl)] Marchac D, et al. **Ann Chir Plast** 1982;27(1):94–6 **(Fre)**
[Surgical treatment of paralytic lagophthalmos] Nicolai JP. **Ann Chir Plast** 1981;26(3):254–7 (Eng. Abstr.) **(Fre)**
[Argon and ruby laser in the treatment of pigmented skin lesions] Ohshiro T, et al. **Ann Chir Plast** 1981;26(3):231–6 (Eng. Abstr.) **(Fre)**
[Technics of plastic surgery of the breast in breast cancerology] Petit JY, et al. **Ann Chir Plast** 1982; 27(1):45–51 (Eng. Abstr.) **(Fre)**
[Repair of lower lip excisions with double naso-genial flaps] Petoin D, et al. **Ann Chir Plast** 1982;27(1):26–9 (Eng. Abstr.) **(Fre)**
[Our current opinion of the use of the CO2 laser in minor skin surgery] Serres P, et al. **Ann Chir Plast** 1981; 26(3):227–30 (Eng. Abstr.) **(Fre)**
[Medio-auricular reconstruction with a helico-lobular flap] Soussaline M, et al. **Ann Chir Plast** 1981;26(3):280–1 (Eng. Abstr.) **(Fre)**
[Reconstruction of the internal surface of the cheek. Current surgical concepts] Soussaline M. **Ann Chir Plast** 1982; 27(1):10–4 (Eng. Abstr.) **(Fre)**
[The shaping of the nipple with a cartilage graft from the concha of the auricle in mammary reconstruction (author's transl)] Soussaline M. **Ann Chir Plast** 1982;27(1):64–5 **(Fre)**
[Surgical management of upper limb defects due to chemonecrosis. Reflections on a short series of six cases(author's transl)] Wlodarczyk B, et al.
Ann Chir Plast 1982;27(1):66–7 **(Fre)**
[Esthetic abdominoplasties: variant technics] Zumer L, et al. **Ann Chir Plast** 1981;26(4):383–5 (Eng. Abstr.) **(Fre)**
[Retromuscular implantation of mammary prosthesis for reconstruction of the breast: report on 56 cases (author's transl)] Mitz V, et al. **J Chir (Paris)** 1982 May;119(5):381–8 (Eng. Abstr.) **(Fre)**
[Breast reconstruction after radical mastectomy. Evaluation of a 5 years experience (author's transl)] De Mey A, et al. **Rev Med Brux** 1982;3(4):217–22 (Eng. Abstr.) **(Fre)**
[Delayed treatment of foreign body tattooings of the face by means of punch plastics (author's transl)] Sebastian G, et al. **Dermatol Monatsschr** 1981 May;167(5):298–302 (Eng. Abstr.) **(Ger)**
[Silicone rubber addition or subtraction moulage: an orientation guide in profile-altering facial operations] Fritzemeier CU. **Dtsch Zahnarztl Z** 1982 Apr;37(4):361–4 (Eng. Abstr.) **(Ger)**
[Surgical voice rehabilitation following laryngectomy] Jahnke K. **Fortschr Med** 1982 Jun 3;100(21):994–8 (Eng. Abstr.) **(Ger)**
[Plastic reconstructive techniques for elimination of malformations and acquired defects in childhood. I. On the operative correction of the harelip, of nasal deformities connected with it and of further deformities of the nose (author's transl)] Walter C. **HNO** 1982 May;30(5):165–73 (Eng. Abstr.) **(Ger)**
[Artificial bone (tricalcium phosphate) in facial surgery (author's transl)] Walter C, et al.
Laryngol Rhinol Otol (Stuttg) 1982 Jul;61(7):354–60 (Eng. Abstr.) **(Ger)**
[Our experience with the surgery of the auricle II. Surgery of the macrotia and the cup ear (author's transl)] Weerda H. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):350–3 **(Ger)**
[Our experience with the surgery of the auricle I. the surgery of small deformities (author's transl)] Weerda H.
Laryngol Rhinol Otol (Stuttg) 1982 Jul;61(7):346–9 **(Ger)**
[Tested corrective plastic surgery for protruding ears] Brandt RH, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):861–3 **(Ger)**
[Plastic surgery under analgo sedation] Nassery W.
Z Plast Chir 1981 Sep;5(3):143–9 (Eng. Abstr.) **(Ger)**
[Recontouring the lower extremity after injuries] Schrudde J, et al. **Z Plast Chir** 1981 Dec;5(4):246–53 (Eng. Abstr.) **(Ger)**
[Problems of photographic documentation in plastic surgery] Schrudde J, et al. **Z Plast Chir** 1981 Dec;5(4):198–207 (Eng. Abstr.) **(Ger)**
[Covering of face defects by local pedicle flaps (author's transl)] Andrä A. **Zahn Mund Kieferheilkd** 1981;69(3):193–9 (Eng. Abstr.) **(Ger)**
[Rokitansky-Küster-Hauser syndrome: Vecchietti's colpoplasty in vaginal aplasia] Abelli G, et al.
Minerva Med 1981 Nov 10;72(44):2983–6 (Eng. Abstr.) **(Ita)**
[Dermatoplasty for extensive scalp defect (author's transl)] Iwa H, et al. **No Shinkei Geka** 1982 Jan;10(1):65–71 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of ptosis of the breast] Lodovici O, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):35–7 (Eng. Abstr.) **(Por)**
[Surgical and orthopedic treatment methods in orbital defects and deformities] Balon LR, et al. **Vestn Khir** 1982 Feb;

128(2):87–91 (Eng. Abstr.) **(Rus)**
[Use of skin–muscle flaps in plastic and restorative surgery (a review of the foreign literature)] Vikhriev BS, et al. **Vestn Khir** 1981 Oct;127(10):134–7 (36 ref.) **(Rus)**
[Surgical program for advanced lip cancer (author's transl)] Kralj Z. **Lijec Vjesn** 1981 Nov;103(11):506–10 (Eng. Abstr.) **(Scr)**
[Reconstruction of the external ear] Balenović D. **Med Pregl** 1981;34(3–4):167–70 **(Scr)**

PSYCHOLOGY

The place of the patient in society. Macgregor FC. **Aesthetic Plast Surg** 1981;5(1):19–26
Sex differences in motives for and outcomes of orthognathic surgery. Kiyak HA, et al. **J Oral Surg** 1981 Oct; 39(10):757–64
Psychological reactions to prophylactic mastectomy synchronous with contralateral breast reconstruction. Goin MK, et al. **Plast Reconstr Surg** 1982 Sep;70(3):355–9
The elderly and aesthetic surgery. Grossman AJ. **Plast Reconstr Surg** 1981 Dec;68(6):976
[Dysmorphophobia. A new word for an old finding] Schmidt-Tintemann U. **MMW** 1981 Sep 4;123(36):1321–2 **(Ger)**
[The wish of a woman to alter her breast size – a contribution to dysmorphophobia] Mester H. **Z Psychosom Med Psychoanal** 1982;28(1):69–91 (Eng. Abstr.) **(Ger)**

STANDARDS

[Experiences with regional plastic-reconstructive measures in the facial area] Nischwitz AS. **Z Arztl Fortbild (Jena)** 1981 Jul 1;75(13):573–6 **(Ger)**

TRENDS

Tissue expansion: 'future of plastic surgery for next 20 years' [news] Cherskov M. **JAMA** 1982 Jun 11;247(22):3039–40
Augmentation mammaplasty: a review of 18 years. Biggs TM, et al. **Plast Reconstr Surg** 1982 Mar;69(3):445–52
Academic plastic surgery: quod severis metes. Jurkiewicz MJ. **Plast Reconstr Surg** 1981 Dec;68(6):927–9

VETERINARY

Reconstructive surgical techniques in the horse. Peyton LC. **J Am Vet Med Assoc** 1981 Sep 1;179(5):460–3

SURGERY, VETERINARY see under **VETERINARY MEDICINE**

SURGICAL DIATHERMY see **ELECTROCOAGULATION**

SURGICAL EQUIPMENT

Potential hazards in NMR imaging: heating effects of changing magnetic fields and RF fields on small metallic implants. Davis PL, et al. **AJR** 1981 Oct;137(4):857–60
A versatile leg holder [letter] Trelford JD. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1066–8
Mechanical arm with a universal clamp for intraoperative self-retaining holding of retractors and other equipment. Fackler ML. **Am J Surg** 1981 Sep;142(3):424–6
A modified uterine displacement device [letter] Elliott MB, et al. **Anesthesiology** 1982 Aug;57(2):146
Endotracheal tube Ignition during laryngeal surgery with resectoscope. Rita L, et al. **Anesthesiology** 1982 Jan; 56(1):60–1
The window drape. Elliott E. **Ann Plast Surg** 1981 Aug; 7(2):174
Prevention of intraoperative pressure ulcers. Morgan RF, et al. **Ann Plast Surg** 1981 Oct;7(4):333
Pediatric patients deserve special instruments, supplies. Gatch G. **AORN J** 1982 Jul;36(1):96–9
A constant-pressure pneumatic anterior chamber maintaining device. Nevyas HJ. **Arch Ophthalmol** 1981 Sep; 99(9):1644–5
Operating microscopes and magnification systems. Davis CH. **Br J Hosp Med** 1981 Sep;26(3):291, 293–6
The laboratory assessment of a new fabric for reducing bacterial penetration of operating theatre apparel. Goldthorp SL. **Br J Surg** 1981 Aug;68(8):569–71
Aneurysms of the descending thoracic aorta: treatment with the Gott shunt. Verdant AG, et al. **Can J Surg** 1981 Nov; 24(6):594–6
A new hinged elevating hand table. Milward T. **Hand** 1982 Feb;14(1):104–6
Failure of a Heifetz aneurysm clip. Kossowsky R, et al. **J Neurosurg** 1982 Aug;57(2):233–9
Fenestrated clips for unusual aneurysms of the carotid artery. Sugita K, et al. **J Neurosurg** 1982 Aug;57(2):240–6
A bulldog stand. Middleton MD. **J R Coll Surg Edinb** 1982 Jan;27(1):53
Surgical hair curler. Wright JE. **Med J Aust** 1982 Jan 23; 1(2):64
Staircase concept of instrument placement in microsurgery. Greenberg IM. **Neurosurgery** 1981 Dec;9(6):696–702
Near disasters with the operating microscope and a solution. Marchese AL, et al. **Ophthalmic Surg** 1981 Dec; 12(12):897–9
An inexpensive restraint for small animals. Layton CM, et al. **Physiol Behav** 1982 Jun;28(6):1115–6
Application of the halo apparatus in the treatment of the scalp avulsion victim. Kreilein JG, et al. **Plast Reconstr Surg** 1982 Mar;69(3):537–40
Natural history of the retained surgical sponge. Hyslop JW, et al. **South Med J** 1982 Jun;75(6):657–60
Mobile exposure for operations upon the abdomen. Howell LM. **Surg Gynecol Obstet** 1982 Feb;154(2):255–6
[The Vickers surgical isolator in bone surgery (author's transl)] El Banna S, et al. **Rev Med Brux** 1981 Nov; 2(9):845–50 (Eng. Abstr.) **(Fre)**
[Technical improvement of the electrical operating table for the use of the brilliance amplifier and for vertebral surgery] Bartolozzi P. **Arch Putti Chir Organi Mov** 1981;31:447–9 **(Ita)**
[Importance of surgical gowns and drapes as barriers for prevention of postoperative infections] Moylan JA, et al. **Minerva Chir** 1981 Oct 31;36(20):1365–72 (Eng. Abstr.) **(Ita)**
[Surgical drapes with a rimmed opening used in mitral valve replacement] Takeuchi Y, et al. **Kyobu Geka** 1982; 35(6):464–5 **(Jpn)**
[On-O2 table for general surgery] Sobchuk VM, et al. **Med Tekh** 1982 Jan–Feb;(1):55–7 **(Rus)**
[Instrument table with self-contained illumination] Dzhaliashvili OA, et al. **Oftalmol Zh** 1981;36(3):184–5 **(Rus)**
[Visual angiotensiometry in emergency and planned abdominal surgery] Eriukhin IA, et al. **Voen Med Zh** 1982 Mar;(3):52–4 **(Rus)**

ADVERSE EFFECTS

Pudendal-nerve palsies associated with closed intramedullary femoral fixation. A report of two cases and a study of the mechanism of injury. Lindenbaum SD, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):934–8

STANDARDS

Bag mount detachment: a function of age? [letter] Milliken RA. **Anesthesiology** 1982 Feb;56(2):154
Proposed recommended practices for aseptic barrier materials for surgical drapes. From the Recommended Practices Subcommittee AORN. **AORN J** 1982 Apr;35(5):906–11
Evaluating surgical gowning, draping fabrics. Belkin NL. **AORN J** 1981 Sep;34(3):499–511
Effects of patching on sterilization of surgical textiles. Greene VW, et al. **AORN J** 1981 Jun;33(7):1249–61
Microbiological safety index. Smith RF. **AORN J** 1982 Aug; 36(2):311–6
A battery powered operating table with a removable stationary column base and a detachable table top. Jitsukawa S, et al. **Jpn J Surg** 1982;12(1):82–5

TRENDS

Technology and the surgical suite: forest of instrumentation improves, but complicates, surgical practice. Kernaghan SG. **Hospitals** 1982 Mar 16;56(6):101–5

VETERINARY

The history and development of surgical tables for large animals. Wolff E. **VM SAC** 1981 Jul;76(7):1033–5
[A mobile combined transport and surgery unit for average-size animals] Kruff B, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15;95(12):228–9 (Eng. Abstr.) **(Ger)**

SURGICAL FLAPS

Muscle and myocutaneous flaps. An alternative to free flaps. Matton G, et al. **Acta Chir Belg** 1982 May-Jun; 82(3):199–212
Our experience with hypopharyngeal reconstruction using deltopectoral flaps. Hasman L, et al. **Acta Chir Plast (Prague)** 1981;23(3):169–79
The use of periosteal flaps for bridging maxillary defects in facial clefts. Hrivnáková J, et al. **Acta Chir Plast (Prague)** 1981;23(3):130–8
A new method of dissection and transposition of the latissimus dorsi myocutaneous flap. Kenyeres M. **Acta Chir Plast (Prague)** 1982;24(1):19–27
Treatment of mandibular bone haemangioma by biological plastic tamponade in children. Kolesov AA, et al. **Acta Chir Plast (Prague)** 1981;23(4):202–5
Arterial forehead flaps in reconstructive surgery of the face. Mariš F. **Acta Chir Plast (Prague)** 1981;23(4):206–15
Reconstruction of the removed lower eyelid by a 'pocket-flap' on two pedicles. Posazhennikov AP. **Acta Chir Plast (Prague)** 1982;24(1):42–50
The dorsalis pedis flap for lower leg reconstruction. Krag C, et al. **Acta Orthop Scand** 1982 Jun;53(3):487–93
A neurovascular flap for coverage of distal plantar defects. Riegels-Nielsen P, et al. **Acta Orthop Scand** 1982 Jun; 53(3):495–8
Early changes in ATP and cyclic AMP levels in experimental critical skin flaps. Jurell G, et al. **Acta Physiol Scand** 1981 Sep;113(1):33–6
Degeneration release of noradrenaline in skin flaps in rats. Jurell G, et al. **Acta Physiol Scand** 1981;113(3):285–9
Improved method of harvesting the pectoralis major myocutaneous flap. Donegan JO, et al. **Am J Otolaryngol** 1981 Aug;2(3):223–7
Wound coverage in the Achilles region. DeMars RV, et al. **Am J Surg** 1982 Sep;144(3):376–8
Nasolabial flap in intraoral reconstruction. Review of 55 cases. Morgan RF, et al. **Am J Surg** 1981 Oct;142(4):448–50
Latissimus dorsi musculocutaneous flap used as a pedicle or free microvascular graft. Asko-Seljavaara S, et al. **Ann Chir Gynaecol** 1982;71(1):44–50
Transposition of pedicled skin flaps in the hand. Telaranta T, et al. **Ann Chir Gynaecol** 1982;71(1):51–5
Combined pectoralis major myocutaneous flap with medially based deltopectoral flap for closure of large pharyngocutaneous fistulas. Maisel RH, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):98–100
Revascularization of skin using a myovascular pedicle. An animal model for free and myocutaneous flaps. Sergeant R, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):53–6
Nerve–muscle pedicle reinnervation of the larynx: avoiding pitfalls and complications. Tucker HM. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):440–4
Laryngeal reinnervation for unilateral vocal cord paralysis: long-term results. Tucker HM, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):457–9
Gluteus maximus myocutaneous flap for ischial ulcers [letter] Baek SM. **Ann Plast Surg** 1981 Dec;7(6):508
The significance of distal arteriovenous shunting on skin flap survival an experimental study in pigs. Bardach J, et al. **Ann Plast Surg** 1982 Apr;8(4):284–6
Application of the latissimus dorsi muscle to the heart. Christ JE, et al. **Ann Plast Surg** 1982 Feb;8(2):118–21
Usefulness of the innervated tensor fascia lata flap in paraplegic patients. Cochran JH Jr, et al. **Ann Plast Surg** 1981 Oct;7(4):286–8
Bilateral plantar neurotrophic ulcers treated by transmetatarsal amputation and filleting. Dvir E, et al. **Ann Plast Surg** 1982 Mar;8(3):250–2
Penile skin flap for reconstruction of the scrotum in Fournier's gangrene. Goldan SS, et al. **Ann Plast Surg** 1982 May;8(5):412–5
Muscle flaps and the vascular detour principle: the soleus. Guyuron B, et al. **Ann Plast Surg** 1982 Feb;8(2):132–40
Reconstruction in Romberg's disease with free groin flap. Harashina T, et al. **Ann Plast Surg** 1981 Oct;7(4):289–94
Modification of the bipedicled vertical dermal flap technique in reduction mammaplasty. Hirshowitz B, et al. **Ann Plast Surg** 1982 May;8(5):363–9
Bilateral superomedial thigh flaps for primary reconstruction of scrotum and vulva. Hirshowitz B, et al. **Ann Plast Surg** 1982 May;8(5):390–6
Closure of chronic wounds of the perineal and sacral regions using the gluteal thigh flap. Hurwitz DJ, et al. **Ann Plast Surg** 1982 May;8(5):375–86
The deepithelialized hinged flap. Mahler D, et al. **Ann Plast Surg** 1981 Oct;7(4):298–301
Short flaps-their use and abuse in the treatment of male pattern baldness. Mayer TG, et al. **Ann Plast Surg** 1982 Apr;8(4):296–304
Variations in the design of the latissimus dorsi flap in breast reconstruction. Millard DR Jr. **Ann Plast Surg** 1981 Oct; 7(4):269–71
The reverse latissimus dorsi myocutaneous flap with functional preservation—report of a case. Muldowney JB, et al. **Ann Plast Surg** 1981 Aug;7(2):150–1
Local flaps. Nieto IS. **Ann Plast Surg** 1982 Feb;8(2):99–106
Bilateral gluteus maximus myocutaneous advancement flaps: sacral coverage for ambulatory patients. Parry SW, et al. **Ann Plast Surg** 1982 Jun;8(6):443–5
A unifying theory of the delay phenomenon—recovery from the hyperadrenergic state. Pearl RM. **Ann Plast Surg** 1981 Aug;7(2):102–12
A composite hair-bearing and non-hair-bearing sideburn flap. Sachs ME, et al. **Ann Plast Surg** 1981 Oct;7(4):295–7
Reconstruction of the auricle in microtia by bipedicled postauricular tubed flap. Sarig A, et al. **Ann Plast Surg** 1982 Mar;8(3):221–3
Surgical methods for managing ischial pressure wounds. Scheflan M. **Ann Plast Surg** 1982 Mar;8(3):238–47
Distally based ('reverse') latissimus dorsi myocutaneous flap [letter] Scheflan M. **Ann Plast Surg** 1982 Mar;8(3):267–8
Reconstruction with vascularized composite tissue in patients with excessive injury following surgery and irradiation. Serafin D, et al. **Ann Plast Surg** 1982 Jan;8(1):35–54
Updating reduction and flap procedures for baldness. Stough DB 3d, et al. **Ann Plast Surg** 1982 Apr;8(4):287–95
Free serratus anterior muscle and myocutaneous flaps. Takayanagi S, et al. **Ann Plast Surg** 1982 Apr;8(4):277–83
The split latissimus dorsi myocutaneous flap. Tobin GR, et al. **Ann Plast Surg** 1981 Oct;7(4):272–80
The use of transcutaneous oxygen pressure measurement in flap surgery. Tsur H, et al. **Ann Plast Surg** 1982 Jun; 8(6):510–6
Mobilization of both breasts for reconstruction of a midline anterior chest wall defect. Tsur H, et al. **Ann Plast Surg** 1982 Apr;8(4):314–7
Correction of hypospadias, types I and II. Van der Meulen JC. **Ann Plast Surg** 1982 May;8(5):403–11
The influence of angiography on experimental free flap survival. Walkinshaw MD, et al. **Ann Plast Surg** 1982 Feb; 8(2):148–51
Territorial flooding, or perfusion takeover—an experimental study in abdominal flaps in the pig. Wexler MR. **Ann Plast Surg** 1982 Mar;8(3):193–5
Tensor fascia lata myocutaneous flap in lower abdominal wall reconstruction. White DN, et al. **Ann Plast Surg** 1981 Aug;

7(2):155–62
Use of an axial flap for reduction mammaplasty. Zelnik JN, et al. **Ann Plast Surg** 1981 Sep;7(3):204–6
Use of the rhomboid major muscle flap for esophageal repair. Lucas AE, et al. **Ann Thorac Surg** 1982 Jun;33(6):619–23
Promoting healing of skin flaps and grafts. Lyons RJ. **AORN J** 1982 May;35(6):1174–83
The dorsal nasal flap. Bray DA, et al. **Arch Otolaryngol** 1981 Dec;107(12):765–6
A new method for achieving complete two-layer closure of a massive palatal cleft. Bumsted RM. **Arch Otolaryngol** 1982 Mar;108(3):147–50
Auricular malignant neoplasms. Identification of high-risk lesions and selection of method of reconstruction. Bumsted RM, et al. **Arch Otolaryngol** 1982 Apr;108(4):225–31
Reconstruction of the oral cavity using the platysma myocutaneous flap. Cannon CR, et al. **Arch Otolaryngol** 1982 Aug;108(8):491–4
A study of skin flap advancement as a function of undermining. Cox KW, et al. **Arch Otolaryngol** 1982 Mar; 108(3):151–55
Gastric pull-up vs deltopectoral flap for reconstruction of the cervical esophagus. Fredrickson JM, et al. **Arch Otolaryngol** 1981 Oct;107(10):613–6
Venous drainage of the lateral trapezius musculocutaneous island flap. Goodwin WJ Jr, et al. **Arch Otolaryngol** 1982 Jul;108(7):411–3
Closure of total cheek defects with two combined myocutaneous free flaps. Harii K, et al. **Arch Otolaryngol** 1982 May;108(5):303–7
Reconstruction for large septal perforations. Karlan MS, et al. **Arch Otolaryngol** 1982 Jul;108(7):433–6
Rhomboid flap dynamics. Larrabee WF Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):755–7
A new method for total nasal reconstruction. The trapezius myocutaneous island 'paddle' flap. Panje WR. **Arch Otolaryngol** 1982 Mar;108(3):156–61
Latissimus dorsi myocutaneous flap for massive facial defects. Schuller DE. **Arch Otolaryngol** 1982 Jul;108(7):414–7
Skin grafts: the 'unsuture' technique. Thomas JR, et al. **Arch Otolaryngol** 1982 Jul;108(7):437–8
The transverse cervical trapezius myocutaneous island flap. Tucker HM, et al. **Arch Otolaryngol** 1982 Mar;108(3):194–8
The influence of fibrin stabilization and fibrinolysis on the fibrin–adhesive system. A clinical study using radioactively marked fibrinogen as a tracer. Staindl O, et al. **Arch Otorhinolaryngol** 1981;233(1):105–16
Radical mastectomy: thick vs thin skin flaps. Krohn IT, et al. **Arch Surg** 1982 Jun;117(6):760–3
The versatile latissimus dorsi myocutaneous flap in breast and other reconstruction. O'Brien BM, et al. **Aust NZ J Surg** 1982 Apr;52(2):174–82
Free flap transfer--preliminary establishment of an arteriovenous fistula: a case report. Threlfall GN, et al. **Aust NZ J Surg** 1982 Apr;52(2):182–4
Latissimus dorsi muscle free flaps. Bailey BN, et al. **Br J Plast Surg** 1982 Jan;35(1):47–52
Repair of lower let injuries with fascio–cutaneous flaps. Barclay TL, et al. **Br J Plast Surg** 1982 Apr;35(2):127–32
The use of a latissimus dorsi myocutaneous flap in the repair of spinal defects in spina bifida. Blaiklock CR, et al. **Br J Plast Surg** 1981 Jul;34(3):358–61
The blood supply of dorsal tongue flaps. Bracka A. **Br J Plast Surg** 1981 Oct;34(4):379–84
The pre-tragal flap. Crestinu JM. **Br J Plast Surg** 1981 Jul; 34(3):295–8
The effect of prostacyclin on experimental random pattern flaps in the rat. Emerson DJ, et al. **Br J Plast Surg** 1981 Jul;34(3):264–6
The use of the secondary island graft–flap in reconstruction of the burned ear. Erol OO, et al. **Br J Plast Surg** 1981 Oct;34(4):417–21
Areola transposition technique in the reconstruction of breast deformities due to burns. Erol OO, et al. **Br J Plast Surg** 1982 Jan;35(1):36–9
Reconstruction of the axilla with a pectoralis major myocutaneous island flap. Freedlander E, et al. **Br J Plast Surg** 1982 Apr;35(2):144–6
Elongation of the nostril and columella using an island flap. Fujimori R, et al. **Br J Plast Surg** 1982 Apr;35(2):171–6
The superficial temporal artery island flap in ear reconstruction. Furukawa M, et al. **Br J Plast Surg** 1982 Apr;35(2):183–4
Isoxsuprine and the rat abdominal pedicle flap: a controlled study. Griffiths RW, et al. **Br J Plast Surg** 1981 Oct; 34(4):446–50
The influence of postoperative pharmacological vasodilator agents on the pattern of necrosis in a standardised rat skin flap. Griffiths RW, et al. **Br J Plast Surg** 1981 Oct; 34(4):441–5
The scapular free flap. Hamilton SG, et al. **Br J Plast Surg** 1982 Jan;35(1):2–7
The instep island flap to resurface plantar defects. Harrison DH, et al. **Br J Plast Surg** 1981 Jul;34(3):315–8
The 'tadpole flap': an advancement island flap for the closure of anterior palatal fistulae. Henderson HP. **Br J Plast Surg** 1982 Apr;35(2):163–6
The pectoralis major myocutaneous flap for intraoral reconstruction: a word of warning. Hodgkinson DJ. **Br J Plast Surg** 1982 Jan;35(1):80–1
The Laser Doppler flowmeter for microvascular monitoring: a preliminary report. Jones BM, et al. **Br J Plast Surg** 1982 Apr;35(2):147–9
The behaviour o free muscle and musculocutaneous flaps after early loss of axial blood supply. Khoo CT, et al. **Br J Plast Surg** 1982 Jan;35(1):43–6
Nail relocation by nail flap in digital injuries. Krishna BV, et al. **Br J Plast Surg** 1982 Jan;35(1):53–7
The brachioradialis myocutaneous flap. Lai MF, et al. **Br J Plast Surg** 1981 Oct;34(4):431–4
Shoulder defect cover with functional restoration using the latissimus dorsi myocutaneous flap: a case report. Lai MF, et al. **Br J Plast Surg** 1982 Apr;35(2):140–3
One-stage reconstruction of a massive gun-shot wound of the lower face with a local compound osteo–musculocutaneous flap. Landra AP. **Br J Plast Surg** 1981 Oct;34(4):395–7
Salvage of a seriously injured lower limb with a musculo–cutaneous cross–leg flap. Landra AP. **Br J Plast Surg** 1982 Jan;35(1):40–2
A 'defensive' approach to the island pectoralis major myocutaneous flap. McGregor IA. **Br J Plast Surg** 1981 Oct;34(4):435–7
Reconstruction of a defect of the ala nasi following trigeminal anaesthesia with an innervated forehead flap. McLean NR, et al. **Br J Plast Surg** 1982 Apr;35(2):201–3
Post-mastectomy breast reconstruction using a direct flap from an abdominal lipectomy. Marshall DR, et al. **Br J Plast Surg** 1981 Jul;34(3):280–5
Surgical repair of the congenital ear lobe cleft. Matsumoto K. **Br J Plast Surg** 1981 Oct;34(4):410–3
The scapular flap—an anatomical and clinical study. Mayou BJ, et al. **Br J Plast Surg** 1982 Jan;35(1):8–13
Primary closure of excisional defects of the breast with local flaps: a problem in the treatment of advanced carcinoma of the breast in developing countries. Parkash S, et al. **Br J Plast Surg** 1981 Jul;34(3):291–4
Post-mastectomy breast reconstruction using a rectus abdominis musculocutaneous island flap. Robbins TH. **Br J Plast Surg** 1981 Jul;34(3):286–90
Extended rotation–transposition of the pectoralis major myocutaneous flap in the repair of lesions over the shoulder. Rosenberg L, et al. **Br J Plast Surg** 1981 Jul; 34(3):322–5
The reconstruction of progressive facial hemi–atrophy by free vascularised dermis–fat flaps. Shintomi Y, et al. **Br J Plast Surg** 1981 Oct;34(4):398–409
Random–pattern de–epithelialised 'turn–over' flaps to replace skin loss in the upper third of the leg. Thatte RL. **Br J Plast Surg** 1981 Jul;34(3):312–4
A de. uded 'turn–over' deltopectoral flap combined with a latissimus dorsi myocutaneous flap in the repair of extensive radionecrosis of the chest wall. Tomono T, et al. **Br J Plast Surg** 1982 Jan;35(1):63–6
Forehead reconstruction using a bi–pedicled bone flap. Vandervord JG, et al. **Br J Plast Surg** 1982 Jan;35(1):75–9
The simultaneous use of a groin flap and a tensor fasciae latae myocutaneous flap to provide tissue cover for a completely degloved hand. Watson AC, et al. **Br J Plast Surg** 1981 Jul;34(3):349–52
The use of lower trapezius myocutaneous island flaps in head and neck reconstruction. Yoshimura Y, et al. **Br J Plast Surg** 1981 Jul;34(3):334–7
Pedicle flap of the diaphragm for the repair of oesophageal injuries [letter] Critselis AN. **Br J Surg** 1981 Oct; 68(10):749–50
A one–stage reconstruction of the anterior abdominal wall with a musculocutaneous flap. Mayou BJ, et al. **Br J Surg** 1981 Dec;68(12):840–1
Skew flap myoplastic below–knee amputation: a preliminary report. Robinson KP, et al. **Br J Surg** 1982 Sep;69(9):554–7
The use of the renal capsule in renal and ureteric surgery. Morelle VR, et al. **Br J Urol** 1981 Oct;53(5):403–5
Early vascular grafting to prevent upper extremity necrosis after electrical burns. Wang XW, et al. **Burns Incl Therm Inj** 1982 May;8(5):303–12
Rectus femoris myocutaneous flaps for trochanteric ulcers. Bell MS, et al. **Can J Surg** 1981 Sep;24(5):496–7
Immediate breast reconstruction after mastectomy using a rectus abdominis myodermal flap without an implant. Drever JM, et al. **Can J Surg** 1982 Jul;25(4):429–31
Greater omentum–cutaneous axial flap: a method to create transferable skin flap. Shen ZY, et al. **Chin Med J [Engl]** 1981 Nov;94(11):718–22
Velopharyngeal physiology after pharyngeal flap surgery as assessed by oral endoscopy. Zwitman DH. **Cleft Palate J** 1982 Jan;19(1):36–9
Oral endoscopic comparison of velopharyngeal closure before and after pharyngeal flap surgery. Zwitman DH. **Cleft Palate J** 1982 Jan;19(1):40–6
Muscle and musculocutaneous flaps in gynecologic surgery. Nahai F. **Clin Obstet Gynecol** 1981 Dec;24(4):1277–317
Thoraco–abdominal and thoracoepigastric flaps: alternatives to skin grafting after mastectomy. Leinster SJ, et al. **Clin Oncol** 1982 Jun;8(2):145–8
Retraction of skin flaps. Stell PM. **Clin Otolaryngol** 1982 Feb; 7(1):45–9
Orbicularis oculi muscle flaps. A follow–up of the technique to reduce crow's feet and lateral canthal skin folds. Aston SJ. **Clin Plast Surg** 1981 Oct;8(4):679–86
The scalping forehead flap revisited. Converse JM, et al. **Clin Plast Surg** 1981 Jul;8(3):413–34 (12 ref.)
An overview of flaps for hand and forearm reconstruction. Gilbert DA. **Clin Plast Surg** 1981 Jan;8(1):129–39
Cheek reconstruction with advancement–rotation flaps. Juri J, et al. **Clin Plast Surg** 1981 Apr;8(2):223–6
The theory of the transposition flap and its practical application in the hand. Lister G. **Clin Plast Surg** 1981 Jan; 8(1):115–27
Lower blepharoplasty with emphasis on the orbicularis muscle. Rees TD, et al. **Clin Plast Surg** 1981 Oct; 8(4):643–62
The upper arm free flap. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):27–35
The forearm flap. Song R, et al. **Clin Plast Surg** 1982 Jan; 9(1):21–6
The [illegible]itudinal cross–leg flap. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):119–21
One–stage reconstruction of the nose. The island frontal flap and the 'conjoined' frontal flap. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):37–44
Omental pedicle graft rectopexy for rectal procidentia: preliminary report of a new method. Ferguson EF Jr, et al. **Dis Colon Rectum** 1981 Sep;24(6):417–21
Anal sphincter reconstruction and perineal resurfacing with a gracilis myocutaneous flap. Kalisman M, et al. **Dis Colon Rectum** 1981 Oct;24(7):529–31
Endorectal advancement flap for treatment of simple rectovaginal fistula. Rothenberger DA, et al. **Dis Colon Rectum** 1982 May–Jun;25(4):297–300
The tensor fascia lata myocutaneous flap in gynecologic oncology. Goldberg MI, et al. **Gynecol Oncol** 1981 Aug; 12(1):41–50
Management of postexenteration perineal hernias by myocutaneous axial flaps. Leuchter RS, et al. **Gynecol Oncol** 1982 Aug;14(1):15–22
Gracilis myocutaneous flap as a life–saving procedure in control of necrosis following radiotherapy and radical surgery for pelvic malignancy. Sorosky JI, et al. **Gynecol Oncol** 1982 Jun;13(3):405–11
Free flaps to the head and neck. Achauer BM, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):315–23
Reconstruction of the laryngotracheal complex in children using the sternocleidomastoid myocutaneous flap. Eliachar I, et al. **Head Neck Surg** 1981 Sep–Oct;4(1):16–21
New concepts in lower lip reconstruction. Meyer R, et al. **Head Neck Surg** 1982 Jan–Feb;4(3):240–5
Exenteration of the orbit using a frontal periosteal flap. Sevel D. **Head Neck Surg** 1981 Nov–Dec;4(2):154–60
Reconstruction of the hypopharynx and cervical esophagus with bilateral pectoralis major myocutaneous flaps. Strawberry CW, et al. **Head Neck Surg** 1981 Nov–Dec; 4(2):161–4
A bipedicled chest wall flap to cover an open elbow joint in a burned infant. Abu–Dalu K, et al. **Injury** 1982 Jan; 13(4):292–3
Neurovascular island flap reconstruction following high pressure injection injuries of the hand. Engel J, et al. **Injury** 1981 Nov;13(3):181–4
Muscle and myocutaneous flaps on the lower limb. Jackson IT, et al. **Injury** 1982 Jan;13(4):324–30
Primary reconstruction of cheek defect following excision of a large malignant melanoma: Report of a case. Nakajima T, et al. **Int J Oral Surg** 1981 Apr;10(2):140–4
Flap selection in periodontal surgery. A case study. Goultchin J, et al. **Isr J Dent Med** 1981 Feb;28(4):5–8
Immediate repair of the oroantral communication: a preventive dental procedure. Liposky RB. **J Am Dent Assoc** 1981 Nov;103(5):727–9
Free gingival grafts for the treatment of gingival recession. A review of some techniques. Matter J. **J Clin Periodontol** 1982 Mar;9(2):103–14 (35 ref.)
Clinical and radiographic long–term study of teeth with periodontal destruction treated by a modified flap operation. Raeste AM, et al. **J Clin Periodontol** 1981 Oct; 8(5):415–23
Surgical gem. The use of dog–ears as grafts. Chester EC Jr. **J Dermatol Surg Oncol** 1981 Dec;7(12):956–9
Correction by a flap of suprahyoid fat of a 'witch's chin' caused by a submental retracting scar. Field LM. **J Dermatol Surg Oncol** 1981 Sep;7(9):719–21
More on grafts to the nose [letter] Field LM. **J Dermatol Surg Oncol** 1981 Oct;7(10):758
The 'N' or reversed 'N' closure of adjacent, parallel, elliptical excisions. Gormley DE. **J Dermatol Surg Oncol** 1982 Apr; 8(4):240–2
Some useful flaps for covering some defects in the nose. Harahap M. **J Dermatol Surg Oncol** 1982 Feb;8(2):126–31
The use of kite flaps to prevent displacements of eyebrows. Harahap M. **J Dermatol Surg Oncol** 1982 Apr;8(4):265–70
Reconstruction of the upper helix of the ear. Koranda FC, et al. **J Dermatol Surg Oncol** 1982 Jun;8(6):477–81
Excision of a malignant lesion from the forehead and reconstruction by bilateral rotation skin–muscle flaps. Pagani WA, et al. **J Dermatol Surg Oncol** 1982 May; 8(5):357–62
Nasolabial flaps for repair of defects on the upper lip and lateral aspects of the nose. Vannieuwenhuyse JB, et al. **J Dermatol Surg Oncol** 1982 May;8(5):351–5
Free tissue transfers for upper extremity reconstruction. Daniel RK, et al. **J Hand Surg** 1982 Jan;7(1):66–76
The pectoralis major island flap for coverage in the upper extremity. Luce EA, et al. **J Hand Surg** 1982 Mar; 7(2):156–60
Free palmar skin grafts for resurfacing digital defects. Mack GR, et al. **J Hand Surg** 1981 Nov;6(6):565–7

Dorsal pedicle flap for resurfacing a moderate thumb-index web contracture release. Sandzén SC Jr. **J Hand Surg** 1982 Jan;7(1):21–4

Latissimus dorsi musculocutaneous flap for elbow flexion. Stern PJ, et al. **J Hand Surg** 1982 Jan;7(1):25–30

Breast reconstruction using a latissimus dorsi myocutaneous island flap. Black EB 3d. **J La State Med Soc** 1981 Dec; 133(12):182–5

A new technique for repair after laryngectomy and subtotal pharyngectomy. Barton RP. **J Laryngol Otol** 1982 Feb; 96(2):119–23

Reconstruction of cervical esophagus with a segment of colon based on a long vascular pedicle: an experimental study in ten monkeys. Papachristou DN, et al. **J Laryngol Otol** 1982 Feb;96(2):135–9

Repair of large pharyngeal defects—new applications of split thickness skin graft. Sawyer R, et al. **J Laryngol Otol** 1982 Feb;96(2):125–34

A modified groin flap for reconstruction of oral cavity defects after tumour resection. Bitter K, et al. **J Maxillofac Surg** 1981 Aug;9(3):146–50

The temporalis muscle flap in oral reconstruction. A cadaveric, animal and clinical study. Bradley P, et al. **J Maxillofac Surg** 1981 Aug;9(3):139–45

Restoration of function by pedicled muscle transplants. Schmid E. **J Maxillofac Surg** 1981 Nov;9(4):216–24

A sensory innervated latissimus dorsi musculocutaneous free flap: case report. Dabb RW, et al. **J Microsurg** 1981 Jun; 2(4):289–93

Experience with free composite tissue transplantation based on the deep circumflex iliac vessels. Satoh T, et al. **J Microsurg** 1981 Winter;3(2):77–84

Survival of a myocutaneous free flap after prolonged ischemia: a case report. Takayanagi S, et al. **J Microsurg** 1981 Jun;2(4):296–8

Dermatofibrosarcoma protruberans of the scalp treated by radical excision, immediate cranioplasty, and free groin flap: case report. Lobay GW, et al. **J Neurosurg** 1981 Oct; 55(4):640–2

The use of an osteoperiosteal flap to close oroantral fistulas. Brusati R. **J Oral Maxillofac Surg** 1982 Apr;40(4):250–1

Extended posterior wall pharyngoplasty for immediate reconstruction of the soft palate in commando excision of oropharyngeal neoplasms. Birt BD, et al. **J Otolaryngol** 1982 Apr;11(2):116–8

The pectoralis major myocutaneous flap. Freeman JL. **J Otolaryngol** 1981 Oct;10(5):396–400

Repair of mild hypospadias. Kim SH, et al. **J Pediatr Surg** 1981 Dec;16(6):806–11

Periodontal healing following open debridement flap procedures. I. Clinical assessment of soft tissue and osseous repair. Froum SJ, et al. **J Periodontol** 1982 Jan;53(1):8–14

Periodontal healing following open debridement flap procedures. II. Histologic observations. Stahl SS, et al. **J Periodontol** 1982 Jan;53(1):15–21

Thallium distribution in ischemic skin flaps. Rees R, et al. **J Surg Res** 1982 May;32(5):507–14

The pectoralis major myocutaneous flap in head and neck surgery. Morrison WV, et al. **J Tenn Med Assoc** 1981 Nov; 74(11):787–93

Diaphragmatic muscle in cardiac surgery [letter] Dorsey JS, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):941–2

Bronchial omentopexy in canine lung transplantation. Lima O, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):418–21

Successful revascularization of totally ischemic bronchial autografts with omental pedicle flaps in dogs. Morgan E, et al. **J Thorac Cardiovasc Surg** 1982 Aug;84(2):204–10

Management of scalp injuries. Bhattacharya V, et al. **J Trauma** 1982 Aug;22(8):698–702

Microvascular free flaps for the treatment of avulsion injuries of the feet in children. Iwaya T, et al. **J Trauma** 1982 Jan; 22(1):15–9

Use of the Hoffmann apparatus in myocutaneous pedicle flap. Rosenfeld SR, et al. **J Trauma** 1981 Dec;21(12):1045–7

Experience with a laterally based vaginal flap approach for urethral diverticulum. Appell RA, et al. **J Urol** 1982 Apr; 127(4):677–8

Scrotal flaps for penile denudation. Iturregui-Pagán JR. **J Urol** 1982 May;127(5):989

Closure of the nasal raw surface in pushback surgery with bilateral musculomucosal flaps from cleft margins and its early speech evaluation. Fujino T, et al. **Keio J Med** 1981 Sep;30(3):125–32

A compendium of intranasal flaps. Karlan MS, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):774–82

Alymphatic pedicles. Perloff LJ, et al. **Lymphology** 1981 Jun; 14(2):81–5 (24 ref.)

The widely versatile vertical dermal pedicle in breast surgery. Woods JE. **Mayo Clin Proc** 1981 Oct;56(10):607–13

Breast reconstruction following mastectomy with the latissimus dorsi musculocutaneous flap. Skow J, et al. **Minn Med** 1981 Aug;64(8):455–8

Microvascular free-tissue transfer [letter] Brown PW. **N Engl J Med** 1982 Jul 15;307(3):185

The muscle flap for management of osteomyelitis [letter] Ger R. **N Engl J Med** 1982 Jul 8;307(2):121

The muscle flap for management of osteomyelitis [editorial] Mathes SJ. **N Engl J Med** 1982 Feb 4;306(5):294–5

Microvascular transfer of free tissue for closure of bone wounds of the distal lower extremity. May JW Jr, et al. **N Engl J Med** 1982 Feb 4;306(5):253–7

Effects of solcoseryl on flap survival. Ueda M, et al. **Nagoya J Med Sci** 1981 Nov;44(1-2):23–30

An experimental study of delay phenomenon—attempts at increasing the survival length of skin flaps by use of teflon sheet. Ueda M, et al. **Nagoya J Med Sci** 1981 Nov; 44(1–2):5–10

Myocutaneous flap for traumatic anal incontinence and reconstruction of pararectal defect. Grenga TE, et al. **NY State J Med** 1982 Jun;82(7):1067–9

Soft palate myomucosal pedicled flaps as coverage for irradiated bone. Friedlander AH, et al. **Oral Surg** 1982 Feb; 53(2):127–30

Regional flaps in head and neck reconstruction. Hamaker RC, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):99–110

Local skin flaps in facial reconstruction. McGregor IA. **Otolaryngol Clin North Am** 1982 Feb;15(1):77–98

The new tongue. Conley J, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):58–68

Pectoralis myocutaneous flap for chin augmentation. Conley JJ, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):1045–50

Use of a new mucoperiosteal flap from the upper lateral nasal wall in frontal sinus surgery. Dokianakis GS, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):912–6

Skin flap tension and wound slough: correlation with laser Doppler velocimetry. Larrabee WF Jr, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):185–7

Composite myocutaneous flaps. Shapiro MJ. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):969–73

Total extrathoracic neoesóphageal construction by combined cutaneous and myoepithelial flaps. Tenta LT, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):32–6

Free, innervated gracilis myocutaneous flap. Conklin WT, et al. **Penn Med** 1982 Apr;85(4):70–1

The nasolabial flap [letter] **Plast Reconstr Surg** 1982 Aug; 70(2):270–1

Correction of postburn syndactyly: an analysis of children with introduction of the VM-plasty and postoperative pressure inserts. Alexander JW, et al. **Plast Reconstr Surg** 1982 Sep;70(3):345–54

Multiple-flap scalp reconstruction: Orticochea revisited. Arnold PG, et al. **Plast Reconstr Surg** 1982 Apr; 69(4):605–13

The rhomboid excision and limberg flap reconstruction in difficult tense-skin areas [letter] Ashbell TS. **Plast Reconstr Surg** 1982 Apr;69(4):724

An analysis of 133 pectoralis major myocutaneous flaps. Baek SM, et al. **Plast Reconstr Surg** 1982 Mar;69(3):460–9

The influence of two-flap palatoplasty on facial growth in beagles. Bardach J, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):927–39

Latissimus dermal-epidermal nipple reconstruction. Barton FE Jr. **Plast Reconstr Surg** 1982 Aug;70(2):234–7

The free scapular flap. Barwick WJ, et al. **Plast Reconstr Surg** 1982 May;69(5):779–87

Island abdominal flaps for breast reconstruction [letter] Birnbaum L. **Plast Reconstr Surg** 1982 Sep;70(3):404–5

The vastus lateralis musculocutaneous flap in the repair of trochanteric pressure sores: technique and indications. Bovet JL, et al. **Plast Reconstr Surg** 1982 May;69(5):830–4

Restoration of elbow flexion and arm contour with the latissimus dorsi myocutaneous flap. Brones MF, et al. **Plast Reconstr Surg** 1982 Feb;69(2):329–32

The evolution of techniques for reconstruction of full-thickness cheek defects. Bunkis J, et al. **Plast Reconstr Surg** 1982 Sep;70(3):319–27

Comparison of the effect of bacterial inoculation in musculocutaneous and random-pattern flaps. Chang N, et al. **Plast Reconstr Surg** 1982 Jul;70(1):1–10

Vastus medialis flap [letter] Christ JE. **Plast Reconstr Surg** 1982 May;69(5):897–8

Thermal-energy dissipation: a laboratory study to assess patency in blood vessels. Cohn KH, et al. **Plast Reconstr Surg** 1982 Oct;70(4):475–80

Changes in quantitative norepinephrine levels in delayed pig flank flaps. Cutting C, et al. **Plast Reconstr Surg** 1982 Apr; 69(4):652–5

The omnipotential pig buttock flap. Daniel RK, et al. **Plast Reconstr Surg** 1982 Jul;70(1):11–6

The role of the rectus abdominis myocutaneous flap in breast reconstruction. Dinner MI, et al. **Plast Reconstr Surg** 1982 Feb;69(2):209–15

Wrist-iliac crest fixation for groin flap-thumb immobilization. Drabyn GA, et al. **Plast Reconstr Surg** 1982 Jul;70(1):98–9

Free flap in nonagenarian [letter] Furnas DW, et al. **Plast Reconstr Surg** 1982 Jul;70(1):116–7

A postauricular flap based on the contralateral superficial temporal vessels. Galvao MS. **Plast Reconstr Surg** 1981 Dec;68(6):891–7

The free scapular flap. Gilbert A, et al. **Plast Reconstr Surg** 1982 Apr;69(4):601–4

Free latissimus dorsi muscle flap with split-thickness skin graft cover: a report of 16 cases. Gordon L, et al. **Plast Reconstr Surg** 1982 Aug;70(2):173–8

The lateral calcaneal artery skin flap (the lateral calcaneal artery, lesser saphenous vein, and sural nerve skin flap). Grabb WC, et al. **Plast Reconstr Surg** 1981 Nov; 68(5):723–30

Visual interpretation of fluorescein penetration and ultimate flap survival [letter] Grossman JA, et al. **Plast Reconstr Surg** 1982 Sep;70(3):406–7

Free latissimus dorsi muscle flap coverage of an electrical burn of the lower extremity. Hagan KF, et al. **Plast Reconstr Surg** 1982 Jan;69(1):125–9

Cross- toe flap. Hait G. **Plast Reconstr Surg** 1982 Jul; 70(1):94–5

Combination myocutaneous flap and microvascular free flap. Harii K, et al. **Plast Reconstr Surg** 1981 Nov;68(5):700–11

Reconstruction of traumatic short nose with iliac bone graft and nasolabial flaps. Harii K. **Plast Reconstr Surg** 1982 May;69(5):863–70

Experience in monitoring the circulation in free-flap transfers. Harrison DH, et al. **Plast Reconstr Surg** 1981 Oct;68(4):543–55

Breast reconstruction with a transverse abdominal island flap. Hartrampf CR, et al. **Plast Reconstr Surg** 1982 Feb; 69(2):216–25

The pectoralis major myocutaneous flap and omental transposition for closure of infected median sternotomy wounds. Herrera HR, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):465–70

A method for securing vomerine flaps to the hard palate in the repair of a complete cleft palate. Hirshowitz B, et al. **Plast Reconstr Surg** 1982 Jan;69(1):132–3

Coverage of exposed GORE-TEX dialysis access graft with local sublimis myocutaneous flap. Hodgkinson DJ, et al. **Plast Reconstr Surg** 1982 Jun;69(6):1010–2

V-Y advancement of hamstring musculocuataneous flap for coverage of ischial pressure sores. Hurteau JE, et al. **Plast Reconstr Surg** 1981 Oct;68(4):539–42

The gluteal thigh flap: a reliable, sensate flap for the closure of buttock and perineal wounds. Hurwitz DJ, et al. **Plast Reconstr Surg** 1981 Oct;68(4):521–32

Contribution to Converse's flap for nasal reconstruction. Juri J, et al. **Plast Reconstr Surg** 1982 Apr;69(4):697–702

Use of the island tensor fasciae latae flap to cover a chest-wall defect. Katsaros J. **Plast Reconstr Surg** 1982 Jun;69(6):1007–9

Juri scalp flap [letter] Kernahan DA, et al. **Plast Reconstr Surg** 1981 Oct;68(4):646–7

Critical ischemia time and the failing skin flap. Kerrigan CL, et al. **Plast Reconstr Surg** 1982 Jun;69(6):986–9

Myoepithelial construction of the thoracic esophagus. Keyes GR, et al. **Plast Reconstr Surg** 1982 Apr;69(4):683–9

Limitations of the sternocleidomastoid musculocutaneous flap in head and neck cancer reconstruction. Larson DL, et al. **Plast Reconstr Surg** 1982 Sep;70(3):328–35

Interposing fascial pedicle flap for the repair of urethral fistulae after hypospadias surgery. Lau JT, et al. **Plast Reconstr Surg** 1982 Aug;70(2):206–9

The combined medial and lateral gastrocnemius musculocutaneous V-Y island advancement flap. Linton PC. **Plast Reconstr Surg** 1982 Oct;70(4):490–3

A study of blood flow and pressure in the vessels supplying a free flap. McKee NH, et al. **Plast Reconstr Surg** 1982 Jan;69(1):68–73

Mammary reconstruction with bipedicled abdominal flap. Marino H Jr, et al. **Plast Reconstr Surg** 1981 Dec; 68(6):933–6

Use of the muscle flap in chronic osteomyelitis: experimental and clinical correlation. Mathes SJ, et al. **Plast Reconstr Surg** 1982 May;69(5):815–29

Latissimus dorsi free muscle flap in lower-extremity reconstruction. May JW Jr, et al. **Plast Reconstr Surg** 1981 Oct;68(4):603–7

Teres major—latissimus dorsi skin-muscle flap for chest-wall reconstruction. May JW JR, et al. **Plast Reconstr Surg** 1982 Feb;69(2):326–8

Breast aesthetics when reconstructing with the latissimus dorsi musculocutaneous flap. Millard DR Jr. **Plast Reconstr Surg** 1982 Aug;70(2):161–72

A grid method for evaluating flap survival in rats. Misholy H, et al. **Plast Reconstr Surg** 1982 May;69(5):881–2

The forearm flap. Mühlbauer W, et al. **Plast Reconstr Surg** 1982 Sep;70(3):336–44

Pectoralis major muscle turnover flaps for closure of the infected sternotomy wound with preservation of form and function. Nahai F, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):471–4

The importance of arterial inflow in the distal side of a flap: an experimental investigation. Nakayama Y, et al. **Plast Reconstr Surg** 1982 Jan;69(1):61–7

The parascapular flap: a new cutaneous microsurgical free flap. Nassif TM, et al. **Plast Reconstr Surg** 1982 Apr; 69(4):591–600

Buried microvascular free flaps for reconstruction of soft-tissue defects. O'Brien BM, et al. **Plast Reconstr Surg** 1981 Nov;68(5):712–22

A lower thoracic advancement flap in breast reconstruction after mastectomy. Ryan JJ. **Plast Reconstr Surg** 1982 Aug; 70(2):153–60

Bipedicle gastrocnemius musculocutaneous flap for defects of the distal one-third of the leg. Salibian AH, et al. **Plast Reconstr Surg** 1982 Jul;70(1):17–23

Gluteus maximus island musculocutaneous flap for closure of sacral and ischial ulcers. Scheflan M, et al. **Plast Reconstr Surg** 1981 Oct;68(4):533–8

Breast reconstruction with a transverse abdominal island flap [letter] Scheflan M, et al. **Plast Reconstr Surg** 1982 May; 69(5):908–9

A means to facilitate the observation of fluorescence in dark-skinned patients; IV fluorescein in non-caucasians [letter] Seitchik MW. **Plast Reconstr Surg** 1982 May;

69(5):897
Microsurgical composite tissue transplantation: indications and technical considerations in breast reconstruction following mastectomy. Serafin D, et al. **Plast Reconstr Surg** 1982 Jul;70(1):24–36
Tissue glucose and lactate following vascular occlusion in island skin flaps. Su CT, et al. **Plast Reconstr Surg** 1982 Aug;70(2):202–5
The effect of hypothermia and tissue perfusion on extended myocutaneous flap viability. Tsai TM, et al. **Plast Reconstr Surg** 1982 Oct;70(4):444–54
The vascularized cutaneous scapular flap. Urbaniak JR, et al. **Plast Reconstr Surg** 1982 May;69(5):772–8
The use of mucosa-lined flaps in eyelid reconstruction: a new approach. van der Meulen JC. **Plast Reconstr Surg** 1982 Aug;70(2):139–46
The nasolabial flap: a problem and its correction. Walkinshaw MD, et al. **Plast Reconstr Surg** 1982 Jan;69(1):30–4
The photography of fluorescein. Welch JD. **Plast Reconstr Surg** 1982 Jun;69(6):990–4
Scrotal reconstruction utilizing bilateral gracilis myocutaneous flaps. Westfall CT, et al. **Plast Reconstr Surg** 1981 Dec;68(6):945–7
Immediate reconstruction of the pharynx and cervical esophagus with the pectoralis major myocutaneous flap following laryngopharyngectomy. Withers EH, et al. **Plast Reconstr Surg** 1981 Dec;68(6):898–904
Aesthetic refinements in the use of the latissimus dorsi flap in breast reconstruction. Wolf LE, et al. **Plast Reconstr Surg** 1982 May;69(5):788–93
Use of the soleus muscle flap to cover part of the distal tibia. Wright JK, et al. **Plast Reconstr Surg** 1981 Dec;68(6):957–8
The revascularization of pedicle skin flaps in pigs: a functional and morphologic study. Young CM. **Plast Reconstr Surg** 1982 Oct;70(4):455–64
The use of the pectoralis major myocutaneous island flap for reconstruction after major ablative head and neck surgery. Gregor RT. **S Afr Med J** 1982 May 22; 61(21):788–92
The free latissimus dorsi myocutaneous flap. White PB, et al. **S Afr Med J** 1982 Jan 2;61(1):9–11
Management of the chronic radiation wound. Lynch DJ, et al. **Surg Clin North Am** 1982 Apr;62(2):309–19
The gracilis myocutaneous flap for persistent perineal sinus after proctocolectomy. Baek SM, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):713–6
Surgical correction of ectropion of the anal mucosa. Kaplan HY, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):82–4
Extremity salvage utilizing microvascular free tissue transfer. Allen TR, et al. **Surgery** 1981 Dec;90(6):1047–54
Altered skin flap survival and fluorescein kinetics with hemodilution. Gatti JE, et al. **Surgery** 1982 Aug;92(2):200–5
Use of vascularized abdominal wall pedicle flaps to grow small bowel neomucosa. Lillemoe KD, et al. **Surgery** 1982 Mar;91(3):293–300
Reconstruction of sternal defects with autologous bone grafts and myocutaneous flap of the latissimus dorsi muscle. Ogawa J, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):63–8
The pectoralis major myocutaneous flap: its use in reconstruction following head and neck surgery. Congedo CZ, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring;35(1):48–50
The Broadbent hypospadias repair. Belman AB. **Urol Clin North Am** 1981 Oct;8(3):483–9
The bladder mucosal graft technique for hypospadias repair. Coleman JW, et al. **Urol Clin North Am** 1981 Oct; 8(3):457–62
One-stage hypospadias repair by free full-thickness skin graft and island flap techniques. De Sy WA, et al. **Urol Clin North Am** 1981 Oct;8(3):491–501
The island flap technique for hypospadias repair. Duckett JW. **Urol Clin North Am** 1981 Oct;8(3):503–11
Use of vascularized flaps in hypospadias repair. Hodgson NB. **Urol Clin North Am** 1981 Oct;8(3):471–81
One-stage urethroplasty for hypospadias using a tube constructed with bladder mucosa— a new procedure. Zhong-Chu L, et al. **Urol Clin North Am** 1981 Oct; 8(3):463–70
Use of gracilis musculocutaneous flap in urologic cancer surgery. Larson DL, et al. **Urology** 1982 Feb;19(2):148–51
Advancing V-flap dismembered pyeloplasty. Tynes WV 2d, et al. **Urology** 1981 Sep;18(3):235–7
Surgical treatment of hypopharyngeal and cervical esophageal cancer. Silver CE. **World J Surg** 1981 Jul; 5(4):499–507
[Application of Z flap method in unilateral cleft lip repair (author's transl)] Chen SH. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):36–9 **(Chi)**
[Head-nape flap for immediate repair after resection of oro-maxillo-facial malignancies (author's transl)] Lin GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):217–21 **(Chi)**
[The use of free compound bone flap and deep circumflex iliac vessel transplantation in reconstruction on mandibular defects (author's transl)] Liu JC. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):3–6 **(Chi)**
[An interlacing two-triangle-flap method for repair of congenital bilateral cleft lips (author's transl)] Tian FC. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):42–4 **(Chi)**
[Use of pectoralis major myocutaneous flap in head and neck defect (author's transl)] Wang GH. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):23–6 **(Chi)**
[A modified cleft palate operation by double posterior pharyngeal flap and its effects of voice and speech training (author's transl)] Wang YX. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):111–3 **(Chi)**
[Pedicle graft of omentum or pre-peritoneal fat in repair of vesico-vaginal fistula (author's transl)] Chen DM. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):437–8 (Eng. Abstr.) **(Chi)**
[Free dorsalis pedis flap transplantation in repair of deep electric injury (author's transl)] Cheng XX. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):136–8 **(Chi)**
[Transplantation of free omental flaps to the brain surface by microvascular technic for cerebral ischemic stroke (author's transl)] Dong YR, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):8–10 **(Chi)**
[Surgical anatomy of the free lateral thoracic flap: providing a new arterial flap (author's transl)] Hu BC. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):479–80 (Eng. Abstr.) **(Chi)**
[Transplantation of free omental flaps by microvascular anastomosis: report of 10 cases (author's transl)] Jiang SY. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):421–2 (Eng. Abstr.) **(Chi)**
[Repair of abdominal wall defect with pedicled intestinal musculo-serosal patch (author's transl)] Li JS. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):629–30 (Eng. Abstr.) **(Chi)**
[Vascular implantation into skin flap to form an axial pattern skin flap: experimental study (author's transl)] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):692–5 (Eng. Abstr.) **(Chi)**
[Implantation of superficial temporal vessels into a tube flap on the neck: a new method to transfer long-thin tube for ear reconstruction (author's transl)] Shen ZY. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):743–5 (Eng. Abstr.) **(Chi)**
[Application of plastic surgical technique in treatment of chronic osteomyelitis: report of 15 cases (author's transl)] Shi D. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):550–2 (Eng. Abstr.) **(Chi)**
[Surgical excision of cancer of scalp and immediate repair with local scalp flap: a report of 16 cases (author's transl)] Shi D, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan; 20(1):27–9 **(Chi)**
[Transfer of abdominal external oblique muscle to the patella for flail knee (author's transl)] Wu HB. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):455–7 (Eng. Abstr.) **(Chi)**
[Free transplantation of lateral-thoracic axillary flap in burns (author's transl)] Yang ZN. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):236–7 (Eng. Abstr.) **(Chi)**
[Use of free scalp flap to correct alopecia of temporo-frontal region (author's transl)] Zhang DS. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):168–70 (Eng. Abstr.) **(Chi)**
[Treatment of Firearm osteomyelitis of lower extremity with gastrocnemius myocutaneous flap (author's transl)] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):571–2 (Eng. Abstr.) **(Chi)**
[Application of transplant of latissimus dorsi myocutaneous flap with neurovascular pedicle (author's transl)] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):610–2 (Eng. Abstr.) **(Chi)**
[Omental transposition to the brain for cerebrovascular occlusive disease (author's transl)] Zhu ZC, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):11–3 **(Chi)**
[Surgical treatment of lagophthalmos with transplantation of the temporalis muscle and its fascia (author's transl)] Sun H. **Chung Hua Yen Ko Tsa Chih** 1981 May;17(3):168–70 **(Chi)**
[Surgical reconstruction of the throat after total laryngopharyngectomy] Rous J, et al. **Cesk Otolaryngol** 1981 Oct;30(5):257–66 (Eng. Abstr.) **(Cze)**
[Reconstruction of the hypopharynx using the deltopectoral flap] Hasman L, et al. **Rozhl Chir** 1982 Feb;61(2):132–40 (Eng. Abstr.) **(Cze)**
[Reconstruction of soft tissue defects of the lower leg and foot. Cost benefit analysis of 3 reconstructive methods] Riegels-Nielsen P, et al. **Ugeskr Laeger** 1981 Oct 12; 143(42):2735–7 (Eng. Abstr.) **(Dan)**
[Historical aspects of free flaps (author's transl)] Moermans JP, et al. **Act . Chir Belg** 1982 May-Jun;82(3):213–8 (Eng. Abstr.) **(Fre)**
[Reduction of mammoplasty using an inferior dermo-glandular pedicle flap] Amar R, et al. **Ann Chir Plast** 1981;26(3):243–7 (Eng. Abstr.) **(Fre)**
[The Juri flap: our problems] Bonnefon A. **Ann Chir Plast** 1981;26(3):286–8 (Eng. Abstr.) **(Fre)**
[The pectoralis major myocutaneous flap (author's transl)] Brunais B, et al. **Ann Chir Plast** 1982;27(1):72–3 **(Fre)**
[Inguinal island flap for covering trochanteric bedsores] Chavoin JP, et al. **Ann Chir Plast** 1981;26(4):355–8 (Eng. Abstr.) **(Fre)**
[Repair of loss of substance in the sternocostal area by a pectoralis major musculocutaneous flap] Dautry P, et al. **Ann Chir Plast** 1981;26(4):386–90 (Eng. Abstr.) **(Fre)**
[Cancers of the anterior portion of the mouth floor. Repair with nasogenal flaps after excisional surgery] Grellet M, et al. **Ann Chir Plast** 1982;27(1):42–4 (Eng. Abstr.) **(Fre)**
[Use of pectoralis major cutaneomuscular flaps in cervicofacial reconstruction. Apropos of 22 cases] Guimberteau JC, et al. **Ann Chir Plast** 1982;27(1):15–9 (Eng. Abstr.) **(Fre)**
[Nasal and latero-nasal reconstructive surgery. Apropos of 68 cases] Labboz P, et al. **Ann Chir Plast** 1981;26(3):271–5 (Eng. Abstr.) **(Fre)**
[Review of 52 sliding island flaps on the cheek] Lejour M, et al. **Ann Chir Plast** 1982;27(1):20–5 (Eng. Abstr.) **(Fre)**
[Value of musculocutaneous flaps in the repair of the buccal and pharyngolaryngeal mucosa] Pech A, et al. **Ann Chir Plast** 1982;27(1):36–41 (Eng. Abstr.) **(Fre)**
[Repair of lower lip excisions with double naso-genial flaps] Petoin D, et al. **Ann Chir Plast** 1982;27(1):26–9 (Eng. Abstr.) **(Fre)**
[Möbius syndrome. Therapeutic aspects] Pons J, et al. **Ann Chir Plast** 1981;26(3):258–62 (Eng. Abstr.) **(Fre)**
[Resensitization of distal flaps] Roffe JL, et al. **Ann Chir Plast** 1981;26(3):205–11 (Eng. Abstr.) **(Fre)**
[The club-shaped deltopectoral flap (author's transl)] Soussaline M. **Ann Chir Plast** 1982;27(1):74 **(Fre)**
[Musculocutaneous flaps of pectoralis major. Anatomical and technical aspects, results, and literature review (author's transl)] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):77–83 (Eng. Abstr.) **(Fre)**
[Recovery total glossectomy with immediate reconstruction by means of a musculocutaneous flap : functional results and perspectives (author's transl)] Gehanno P, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):85–8 (Eng. Abstr.) **(Fre)**
[Mandibular reconstruction employing a costomyocutaneous flap of pectoralis major. Anatomical and technical aspects and viability of graft (author's transl)] Guédon C, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):205–11 (Eng. Abstr.) **(Fre)**
[Treatment of cicatricial ectropions of the eyelids (author's transl)] Morax S, et al. **J Fr Ophtalmol** 1981;4(10):653–60 (Eng. Abstr.) **(Fre)**
[Trans-maxillary pharyngectomy with pedicled skin flap in the treatment of cancers of the tonsil area (29 cases)] Demard F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct;102(9–10):411–22 (Eng. Abstr.) **(Fre)**
[Closure of loss of oropharyngeal substance in irradiated zones. Use of a musculocutaneous flap from the pectoralis major] Leyder P, et al. **Rev Stomatol Chir Maxillofac** 1982; 83(1):55–60 (Eng. Abstr.) **(Fre)**
[Free flap indications in hand surgery (author's transl)] Egloff DV. **Ther Umsch** 1981 Dec;38(12):1184–9 (Eng. Abstr.) **(Fre)**
[The crossed-leg flap with the fixateur externe technic] Müller KH, et al. **Aktuel Traumatol** 1982 Apr;12(2):53–61 (Eng. Abstr.) **(Ger)**
[Restorative surgery on the lower leg using muscular shifting grafts -- anatomical and clinical aspects (author's transl)] Püschmann H, et al. **Aktuel Traumatol** 1980 Oct;10(5):281–5 (Eng. Abstr.) **(Ger)**
[Forensic medicine reconstruction of traffic accidents after surgical procedures] Walz F. **Beitr Gerichtl Med** 1981; 39:265–8 (Eng. Abstr.) **(Ger)**
[Treatment of neck contracture after burns with a free under arm flap] Mühlbauer W, et al. **Chirurg** 1981 Oct; 52(10):635–7 **(Ger)**
[Premalignant and malignant changes in the epithelium in an antethoracic skin tube after esophagus replacement surgery] Petri A, et al. **Chirurg** 1981 Aug;52(8):501–4 (Eng. Abstr.) **(Ger)**
[Regeneration capacity of the interdental papillae after periodontal flap operations: a clinical study] Raetzke P. **Dtsch Zahnarztl Z** 1981 Jul;36(7):421–4 (Eng. Abstr.) **(Ger)**
[Pathogenesis and therapy of the flabby ridge and flap fibrosis in the maxilla] Sailer HF. **Dtsch Zahnarztl Z** 1982 Feb; 37(2):110–6 (Eng. Abstr.) **(Ger)**
[Blood supply control in pedicled skin flaps with transcutaneous PO2 measurement] Keller HP, et al. **Handchirurgie** 1981;13(1–2):152–5 (Eng. Abstr.) **(Ger)**
[Thumb replacement by finger exchange and osteoplastic method with island flap plastic surgery after injuries] Manninger J. **Handchirurgie** 1981;13(1–2):3–9 (Eng. Abstr.) **(Ger)**
[Transport of finger parts using an abdominal skin flap for finger and thumb reconstructive plastic surgery] Wintsch K. **Handchirurgie** 1981;13(1–2):56–61 (Eng. Abstr.) **(Ger)**
[Flap-reconstruction in mouth and oropharynx. A clinical comparison of methods (author's transl)] Eitschberger E, et al. **HNO** 1981 Oct;29(10):331–4 (Eng. Abstr.) **(Ger)**
[Plastic surgery of radiation ulcers in the chest wall and pelvic area (author's transl)] Lemperle G, et al. **Langenbecks Arch Chir** 1981;355:187–92 (Eng. Abstr.) **(Ger)**
[Possibilities of reconstruction by de-epithelization (author's transl)] Draf W. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):564–70 (Eng. Abstr.) **(Ger)**
[Covering of skin by local flaps in the auricular region (author's transl)] Jacobs KF.

Laryngol Rhinol Otol (Stuttg) 1981 Nov;60(11):559–63 **(Ger)**

[Vessel structure and blood supply of free skin transplants in animal experiments in relation to their vessel supply] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec; 60(12):645–53 (Eng. Abstr.) **(Ger)**

[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**

[Formation of extra–intracranial vascular anastomoses after encephalomyosynangiosis] Scharl A, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):383–7 (Eng. Abstr.) **(Ger)**

[Remote flap transplantation using microvascular anastomosis for scar correction (author's transl)] Staindl O, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):341–5 (Eng. Abstr.) **(Ger)**

[On the treatment of severe adduction contractures of the thumb by free dorsalis pedis flaps (author's transl)] Büchler U, et al. **Ther Umsch** 1981 Dec;38(12):1190–6 (Eng. Abstr.) **(Ger)**

[Microsurgical tissue transplantation in reconstructive surgery of the lower extremity (author's transl)] Donski PK, et al. **Ther Umsch** 1981 Dec;38(12):1175–9 (Eng. Abstr.) **(Ger)**

[Free hair flap––an example for the possibilities in microsurgery (author's transl)] Hubatka G, et al. **Ther Umsch** 1981 Dec;38(12):1161–3 (Eng. Abstr.) **(Ger)**

[Microsurgical free flap transfer for reconstruction in the head area (author's transl)] Schmoker R, et al. **Ther Umsch** 1981 Dec;38(12):1157–60 (Eng. Abstr.) **(Ger)**

[Free flap transfer (author's transl)] Wolfensberger C, et al. **Ther Umsch** 1981 Dec;38(12):1164–74 (Eng. Abstr.) **(Ger)**

[Free peritoneal patch grafts in surgery on renal pelvis and ureter (author's transl)] Stadie G, et al. **Urologe [Ausg A]** 1981 Sep;20(5):246–9 (Eng. Abstr.) **(Ger)**

[Closure of large vesico––urethra––vaginal defect with pedicled myocutaneous gracilis flap (author's transl)] Tölle E, et al. **Urologe [Ausg A]** 1981 Sep;20(5):274–7 (Eng. Abstr.) **(Ger)**

[Neovascularization of abdominal insular skin flaps in the rat] Tilgner A, et al. **Z Exp Chir** 1981;14(5):293–301 (Eng. Abstr.) **(Ger)**

[Removal of tattoos by transplantation (author's transl)] Friederich HC. **Z Hautkr** 1982 Mar 1;57(5):326–33 (Eng. Abstr.) **(Ger)**

[Flapped and free muscle transplantation in the treatment of anal incontinence (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1981 Mar;32(3):244–58 (Eng. Abstr.) **(Ger)**

[The neurovascular forearm island flap] Stock W, et al. **Z Plast Chir** 1981 Sep;5(3):158–65 (Eng. Abstr.) **(Ger)**

[Pedicle flap plastic surgery in the primary care of large skin and soft tissue defects of the upper extremity] Vossmann H, et al. **Z Plast Chir** 1981 Sep;5(3):166–72 (Eng. Abstr.) **(Ger)**

[Covering of face defects by local pedicle flaps (author's transl)] Andrä A. **Zahn Mund Kieferheilkd** 1981;69(3):193–9 (Eng. Abstr.) **(Ger)**

[Xenoderm in plastic maxillofacial surgery] Schubert J. **Zentralbl Chir** 1981;106(17):1168–70 **(Ger)**

[Restoration of a posttraumatic osteitic cavity with pedicled M. sartorius] Zeidler G. **Zentralbl Chir** 1982;107(1):42–5 **(Ger)**

[Reinnervation of the larynx by nerve–muscle grafting] Joachims HZ, et al. **Harefuah** 1981 Apr 15;100(8):364–7 (Eng. Abstr.) **(Heb)**

[Closure of bronchopleural fistulas with chest wall muscle flaps] Klausner J, et al. **Harefuah** 1981 Dec 15; 101(12):356–8 (Eng. Abstr.) **(Heb)**

[Rotated flap from the temporal region for covering defects in the oral cavity (author's transl)] Kovács A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):15–22 (Eng. Abstr.) **(Hun)**

[Microsurgical inguinal flap: technical notes and preliminary results in a new experimental model] Caleffi E, et al. **Acta Biomed Ateneo Parmense** 1982;53(1):11–6 (Eng. Abstr.) **(Ita)**

[Procedure in the repair of pharyngostomies (author's transl)] Ferrari F, et al. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec;23(7–12):417–22 **(Ita)**

[Complicated spinocellular epithelioma of the knee. Surgical removal and reconstruction with a muscular flap] Gulienetti R, et al. **Minerva Chir** 1982 May 15;37(9):853–6 **(Ita)**

[Histological characteristics of skin transplants after transfer into the oral cavity] Panzoni E, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):19–28 (Eng. Abstr.) **(Ita)**

[Surgical experience of preductal type of coarctation of the aorta in neonates and infants – use of aortoplastic methods with subclavian flap and dacron patch (author's transl)] Ando H, et al. **Kyobu Geka** 1981 Jul;34(7):537–41 (Eng. Abstr.) **(Jpn)**

[Primary reconstruction of defect after hemiglossectomy with a pectoralis major myocutaneous island flap (author's transl)] Murakami Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):6–12 (Eng. Abstr.) **(Jpn)**

[Profundoplasty in patients with high surgical risk] Adamczyk R, et al. **Pol Tyg Lek** 1981 Oct 12; 36(41):1577–80 (Eng. Abstr.) **(Pol)**

[Heterologous implantation of the dura mater in the trachea. Experimental study] Dias AR, et al. **AMB** 1981 Mar; 27(3):99–102 (Eng. Abstr.) **(Por)**

[Surgical treatment of defects of the chest wall] Kabanov AN, et al. **Grudn Khir** 1982;1:71–4 **(Rus)**

[Tubular skin grafts in esophagoplasty of cervical region of the esophagus] Iunina AI. **Khirurgiia (Mosk)** 1981 Sep; (9):104–6 **(Rus)**

[Fixation of pathologically mobile kidney with a muscle flap from the transverse abdominal muscle] Makhovskii VZ, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):97–100 **(Rus)**

[Use of 'acute' Filatov grafts in the treatment of open finger injuries] Germanov VB. **Ortop Travmatol Protez** 1982 Apr; (4):12–5 (Eng. Abstr.) **(Rus)**

[Correction of postburn cicatricial deformities using a trapezoidal skin–fat flap] Iudenich VV, et al. **Ortop Travmatol Protez** 1981 Jul;(7):56–8 **(Rus)**

[Filling bone defects with osteo–periosteal–muscular transplant on the nutrient pedicle] L'vov BM, et al. **Ortop Travmatol Protez** 1981 Oct;(10):62–3 **(Rus)**

[Late results of a skin island graft on a Holevich vascular–nerve pedicle] Vodianov NM. **Sov Med** 1982; (1):54–8 (Eng. Abstr.) **(Rus)**

[Achievements and problems of microsurgery] Zolotorevskii VIa, et al. **Sov Med** 1981;(8):77–82 (84 ref.) **(Rus)**

[Rheographic method of measuring blood flow rate in a pedicled skin flap] Loginova NK, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):69–71 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in blood flow and oxygen tension in the skin of a Filatov pedicle graft] Tarasevich VL. **Stomatologiia (Mosk)** 1981;60(4):32–3 (Eng. Abstr.) **(Rus)**

[Attached rib grafts used in anterior spondylodesis] Guseva VN, et al. **Vestn Khir** 1982 May;128(5):106–11 (Eng. Abstr.) **(Rus)**

[Use of a long Filatov pedicle flap for eliminating postburn deformities] Kazarezov MV, et al. **Vestn Khir** 1982 Jan; 128(1):102–3 **(Rus)**

[Plastic repair of multiple bronchial fistulae ('cribate lung') and small defects of the chest wall with Filatov pedicle flap] Nguyen NT. **Vestn Khir** 1981 Jul;127(7):110–3 **(Rus)**

[Our experience in using autologous dermatoplasty according to the Krasovitov's method] Solomenko AV, et al. **Vestn Khir** 1981 Sep;127(9):90–1 **(Rus)**

[Use of skin–muscle flaps in plastic and restorative surgery (a review of the foreign literature)] Vikhriev BS, et al. **Vestn Khir** 1981 Oct;127(10):134–7 (36 ref.) **(Rus)**

[Plastic surgery of the thoracic segment of the esophagus with the stomach tissue] Voronov AA, et al. **Vestn Khir** 1981 Sep;127(9):12–6 **(Rus)**

[Plastic closure of extensive defects of the pharynx and cervical portion of the esophagus using skin–fat and skin–muscle flaps with an axial blood supply] Nerobeev AI. **Vestn Otorinolaringol** 1982 May–Jun;(3):47–51 (Eng. Abstr.) **(Rus)**

[Economic method of excising a free skin graft in the surgical treatment of malignant tumors of the skin and soft tissues] Manuilenko BA. **Vopr Onkol** 1981;27(12):69–70 **(Rus)**

[Surgical program for advanced lip cancer (author's transl)] Kralj Z. **Lijec Vjesn** 1981 Nov;103(11):506–10 (Eng. Abstr.) **(Scr)**

[Double surgical technic of large hernias after upper median laparotomy] Rozhold J, et al. **Rozhl Chir** 1981 Feb; 60(2):84–8 (Eng. Abstr.) **(Slo)**

[Treatment of progressive hemifacial atrophy by the microsurgical transference of a free dermofatty flap] Ferreira MC, et al. **AMB** 1981 Jun;27(6):187–9 (Eng. Abstr.) **(Spa)**

METHODS

The use of diaphragmatic pedicle grafts for reconstructive procedures in the esophagus and tracheobronchial tree. Westaby S, et al. **Ann Thorac Surg** 1982 May;33(5):486–90

Repair of surgical defects. I. Circular defects on the forehead. A correction [letter] Dzubow LM. **J Dermatol Surg Oncol** 1982 Feb;8(2):88–9

The thenar flap––An analysis of its use in 150 cases. Melone CP Jr, et al. **J Hand Surg** 1982 May;7(3):291–7

Correction of burn deformities using free flap transfer. Ohmori S. **J Trauma** 1982 Feb;22(2):104–11

[Tubed pedicle flap in oral surgery] Pulay G. **Fogorv Sz** 1981 Nov;74(11):321–5 **(Hun)**

VETERINARY

Management of esophageal perforation with a pedicled jejunal patch. Mutton T, et al. **Curr Surg** 1981 Sep–Oct; 38(5):318–21

Double opposing Z–plasty for correction of stenotic naris in a horse. Bowman KF, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):772–5

Phycomycosis of the axilla and the inner brachium in a dog: surgical excision and reconstruction with a thoracodorsal axial pattern flap. Pavletic MM, et al. **J Am Vet Med Assoc** 1982 May 15;180(10):1197–1200

Mucocutaneous subdermal plexus flap from the lip for lower eyelid restoration in the dog. Pavletic MM, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):921–6

The relationship of hematocrit levels to skin flap survival length in the pig. Alperstein JB, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):750–2

SURGICAL INSTRUMENTS

Aneurysm clip testing meter. Dujovny M, et al. **Acta Neurol Latinoam** 1980;26(3):183–92

Retrieval of intrauterine contraceptive device with missing tail by means of a plastic spiral curette (Mi–Mark). Ansari AH, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1061–2

Scleral plugs with an attached suture for use during vitrectomy [letter] Meyers SM, et al. **Am J Ophthalmol** 1981 Nov;92(5):744

New atraumatic absorbing instrument for keeping viscera aside: DISARP. Bengmark S, et al. **Am J Surg** 1981 Sep; 142(3):422–3

Ultrasonic surgical dissection in the dog spleen. Derderian GP, et al. **Am J Surg** 1982 Feb;143(2):269–73

New instrument for rapid hemostasis and division of small vessels. Ellman BR. **Am J Surg** 1982 Jun;143(6):772–3

An inexpensive, versatile vein holder. Johansen K. **Am J Surg** 1982 Aug;144(2):283–4

Valve implantation forceps for use in glaucoma surgery. Ritch R, et al. **Ann Ophthalmol** 1981 Dec;13(12):1333–4

The 'thumb–ring needleholder'. Kesselring UK. **Ann Plast Surg** 1981 Nov;7(5):420–1

Improvised skin hook. Peled I, et al. **Ann Plast Surg** 1982 Mar;8(3):263

Blunt dissection in augmentation mammaplasty–an instrumental aid. Webster RC, et al. **Ann Plast Surg** 1981 Nov;7(5):415–7

A pacemaker forceps. Lemer J. **Ann Thorac Surg** 1981 Dec; 32(6):618

A modified sternal retractor for exposure of the internal mammary artery. McKeown PP, et al. **Ann Thorac Surg** 1981 Dec;32(6):619

Pediatric patients deserve special instruments, supplies. Gatch G. **AORN J** 1982 Jul;36(1):96–9

Monitoring steam sterilization of surgical instruments: a dilemma. Perkins RE, et al. **Appl Environ Microbiol** 1981 Aug;42(2):383–7

A linear suction control for the vitreous cutter (ocutome). Charles S, et al. **Arch Ophthalmol** 1981 Sep;99(9):1613

Use of titanium surgical clips to avoid artifacts seen on computed tomography. Saxe AW, et al. **Arch Surg** 1982 Jul;117(7):978–9

The Intra Ocular Cutter. Crock GW, et al. **Aust J Ophthalmol** 1982 May;10(2):125–7

Use of portable vitrectomy instrumentation (VISC X) in the rural Guatemalan highlands. Kingham JD, et al. **Br J Ophthalmol** 1982 Sep;66(9):569–72

Modifications to the Kelsey Fry bone awls for use in circumpalatal wiring. Macleod AW, et al. **Br J Oral Surg** 1982 Jun;20(2):148–50

A double clamp for tantalum clips in parietal cell vagotomy. Munoz JD, et al. **Br J Surg** 1982 Jul;69(7):437

Vitreous stripper in anterior segment surgery. Demeler U. **Dev Ophthalmol** 1981;5:84–8

Extended use of vitrectomy instruments. Lim AS. **Dev Ophthalmol** 1981;5:74–6

Management of massive postpolypectomy hemorrhage: report of a technique. Anseline PF, et al. **Dis Colon Rectum** 1982 Apr;25(3):251–3

A mechanical lithotripter. Demling L, et al. **Endoscopy** 1982 May;14(3):100–1

Plaster shears––overcoming design weaknesses. Shaw A, et al. **Eng Med** 1982 Apr;11(2):97

A new surgical endoscopy handle with rotatable accessories. Johnloz DK. **Gastrointest Endosc** 1981 Aug;27(3):177–8

Removal of broken stems of total joint components by a new method: drilling, undercutting, and extracting without damage to bone. Harris WH, et al. **Hip** 1981;:37–45

Hospitals should demand rigid adherence to instrument counts [interview] Gouge RL. **Hospitals** 1982 May 1; 56(9):63

Long handled 130 degrees guide wire introducer for hip fractures using the standard 130 degrees blade plate. Macafee AL. **Injury** 1981 May;12(6):510–2

Long handled punch for the insertion of Newman's pins in slipped upper femoral epiphysis and intracapsular fractures of the femur. Macafee AL. **Injury** 1981 Jul;13(1):81

'Do it yourself' disposable skin hooks. Gohil P, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):575–6

Modifications to Harrington distraction instrumentation. Edeland HG, et al. **J Biomed Eng** 1981 Jul;3(3):246–8

Ring retractor: a new humeral–head retractor. Fukuda H, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):289

A love affair with a gradle scissors. Gibbs RC. **J Dermatol Surg Oncol** 1981 Oct;7(10):771

Instruments and tips for dermatology surgery. Koranda FC, et al. **J Dermatol Surg Oncol** 1982 Jun;8(6):451–4

Disinfection of surgical instruments. Nyström B. **J Hosp Infect** 1981 Dec;2(4):363–8

A variable–force microvascular clip. Dujovny M, et al. **J Microsurg** 1981 Winter;3(2):89–91

The use of the operating microscope in anterior discectomy for cervical myelopathy. Franco A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):227–30

A portable illuminated retractor for orthognathic surgery. Berarducci J, et al. **J Oral Maxillofac Surg** 1982 Sep; 40(9):608

Use of malleable retractor to prepare a rib for mandibular grafting. Troxell JB, et al. **J Oral Surg** 1981 Oct;39(10):785
Richardson retractor for newborn surgery. Gatch G, et al. **J Pediatr Surg** 1981 Oct;16(5):685
Continuous flow and conventional resectoscope methods in transurethral prostatectomy: comparative study. Flechner SM, et al. **J Urol** 1982 Feb;127(2):257–9
Further experiences with the stereoresectoscope: description and clinical use. Jonas U. **J Urol** 1982 Feb;127(2):270–1
Use of the Pfister–Schwartz sheath as a ureteral stent [letter] Mathes GL. **J Urol** 1982 Feb;127(2):341
'How I do it' — head and neck. A targeted problem and its solution. Antifog technique for operating room. Movius WR. **Laryngoscope** 1982 Apr;92(4):458
Use of the 'Williams microclip in various aspects of tymanoplastic surgery. Weider DJ. **Laryngoscope** 1981 Dec; 91(12):2106–25
The plasma scalpel: a new thermal knife. Glover JL, et al. **Lasers Surg Med** 1982;2(1):101–6
New Instrument: an assembly alignment block for the Ocutome. Christensen GR. **Ophthalmic Surg** 1981 Oct; 12(10):757–8
Modification of the can–opener capsulotomy technique to avoid large residual flaps of anterior capsule with ciliary sulcus J–loop posterior chamber lens insertion. Murphy GE. **Ophthalmic Surg** 1981 Dec;12(12):889–90
A method for preventing suture entrapment on the Iliff–Park eyelid speculum. Roper DL. **Ophthalmic Surg** 1982 Mar; 13(3):241–2
Total hyphema evacuation by vitrectomy instrumentation. Diddie KR, et al. **Ophthalmology (Rochester)** 1981 Sep; 88(9):917–21
Trial and error in the development of instruments for endoscopic knee surgery. Ikeuchi H. **Orthop Clin North Am** 1982 Apr;13(2):263–76
Use of the Shaw scalpel in head and neck surgery. Fee WE Jr. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):515–9
Delicate scissors for neuro–otologic surgery. Luetje CM. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):270–1
A delivery forceps for spent pulse generators. Malette WG. **PACE** 1982 Jul;5(4):575–6
A new bone forceps. D'Assumpção EA. **Plast Reconstr Surg** 1981 Nov;68(5):792
A simple adjustable microvascular clamp with a controllable gentle occlusion mechanism. de Carolis V, et al. **Plast Reconstr Surg** 1982 Jul;70(1):100–3
A homemade flexible teflon tendon snare. Kreilein JG, et al. **Plast Reconstr Surg** 1982 Apr;69(4):705–6
The use of grasping forceps in the upper urinary tract: technique and radiologic implications. Meranze SG, et al. **Radiology** 1982 Jul;144(1):171–3
Internal urethrotomy with the Sachse urethrotome. Iversen Hansen R, et al. **Scand J Urol Nephrol** 1981;15(3):189–91
Clinical applications of magnetic rings in colorectal anastomosis. Jansen A, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):537–45
Absorbable ligating clips. Schaefer CJ, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):513–6
Sterilization of instruments in isolated hospitals. Hughes RA. **Trop Doct** 1982 Apr;12(2):87
Modified technique for use of Iglesias continuous flow resectoscope. Gillespie L. **Urology** 1981 Nov;18(5):508–9
[Experimental study of damage to vascular wall by vascular clips (author's transl)] Zhang NY. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):474–6 (Eng. Abstr.) **(Chi)**
[Microsurgical instruments (author's transl)] Karel I. **Cesk Oftalmol** 1981 Jul;37(4):278–80 (Eng. Abstr.) **(Cze)**
[Surgical correction of congenital lens ectopia : anterior approach Klötis phacophagia employing apparatus (author's transl)] Ruellan YM, et al. **J Fr Ophtalmol** 1981; 4(10):647–52 (Eng. Abstr.) **(Fre)**
[A new model of varicose vein stripper (author's transl)] Pelissier E, et al. **Nouv Presse Med** 1982 May 22;11(24):1873 (Eng. Abstr.) **(Fre)**
[Experiences in the use of the modified rib retractor by Rochard] Duda M, et al. **Chirurg** 1981 Sep;52(9):605–7 **(Ger)**
[Modification of the Hegar needle for vascular surgery] Trusheim H. **Chirurg** 1981 Dec;52(12):795–6 **(Ger)**
[A manual crank for threading and screwing] Willmen HR, et al. **Chirurg** 1981 Aug;52(8):542 **(Ger)**
[Comparative examinations of hysterectomy clamps (author's transl)] Kriegisteiner HP, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):580–2 (Eng. Abstr.) **(Ger)**
[A modified atraumatic microextractor after Neubauer (author's transl)] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1982 Feb;180(2):176–7 (Eng. Abstr.) **(Ger)**
[Use of the TDMAC heparin shunt for operations on the descending thoracic aorta (author's transl)] Walterbusch G, et al. **Langenbecks Arch Chir** 1982;357(1):19–26 (Eng. Abstr.) **(Ger)**
[Infrared–ray photocoagulator with timed flow. Experimental study] Picardi N, et al. **Ann Ital Chir** 1981; 53(2):255–66 **(Ita)**
[A new type of osteotome for metatarsal osteotomies] Brianza G. **Chir Ital** 1981 Oct;33(5 Suppl 1):131–5 **(Ita)**
[A new surgical instrument for subaponeurotic interruption of communicating veins] Petrilli GL. **Chir Ital** 1982 Feb; 34(1):86–90 **(Ita)**
[Metallurgical study on Heifetz clip failure (author's transl)] Hayakawa I, et al. **No Shinkei Geka** 1982 Feb 10; 10(2):135–40 (Eng. Abstr.) **(Jpn)**
[Manual electric drilling machine with a slit burr in the treatment of corneal band–shaped degeneration (author's transl)] Kotania W, et al. **Klin Oczna** 1981 Oct–Dec; 83(10–12):539–40 (Eng. Abstr.) **(Pol)**
[A new instrument for superficial keratectomy. A modified electric drilling machine (author's transl)] Kotania W, et al. **Klin Oczna** 1981 Oct–Dec;83(10–12):537–8 **(Pol)**
[Instrumental method of treatment of ligature fistulas] Bashniak VV, et al. **Klin Khir** 1981 Dec;(12):51–2 **(Rus)**
['Laser scalpel' treatment of suppurative soft tissue diseases] Korolenko VB, et al. **Klin Khir** 1982 Jan;(1):41–3 (Eng. Abstr.) **(Rus)**
[Characteristics of creative inventions in general and emergency surgery] Pikenin AM, et al. **Klin Khir** 1982 Apr; (4):32–5 **(Rus)**
[Use of the Scalpel–l apparatus in treating suppurative soft tissue wounds] Udod VM, et al. **Klin Khir** 1982 Jan;(1):40–1 **(Rus)**
[Stainless steels for medical instruments] Feofilov RN. **Med Tekh** 1981 Sep–Oct;(5):35–8 (Eng. Abstr.) **(Rus)**
[Instrument set for operations on the mandible] Kanaev VF, et al. **Med Tekh** 1981 Sep–Oct;(5):52–5 **(Rus)**
[Kidney pedicle clamps (pediatric)] Kochneva ZM, et al. **Med Tekh** 1981 Sep–Oct;(5):56–7 **(Rus)**
[Retractor for repositioning the fractured zygomatic bone and arch] Mamonov AG, et al. **Med Tekh** 1982 Mar–Apr; (2):59–60 **(Rus)**
[Comparative evaluation of forceps intended for extracting nonmagnetic foreign bodies from the eye] Dzhaliashvili OA, et al. **Oftalmol Zh** 1981;36(7):393–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Massive hemobilia: a complication of hemoclips. Raines LA, et al. **IMJ** 1982 Apr;161(4):272–3

HISTORY

The history and evolution of surgical instruments. II Origins: function: carriage: manufacture. Kirkup JR. **Ann R Coll Surg Engl** 1982 Mar;64(2):125–32
Roman surgical instruments in the Johns Hopkins University Institute of the History of Medicine. Bliquez LJ. **Bull Hist Med** 1982 Summer;56(2):195–217
History of mechanical devices and instruments for suturing. Steichen FM, et al. **Curr Probl Surg** 1982 Jan;19(1):1–52
Ancient technology in contemporary surgery. Buck BA. **West J Med** 1982 Mar;136(3):265–9
[A surgical instrument forgotten: Valtolini's operating scissors (author's transl)] Dondi RF. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):289–94 **(Ita)**

STANDARDS

Metallurgical evaluation of the compatibility of surgical clips with their appliers. Kossowsky R, et al. **Acta Neurochir (Wien)** 1981;59(1–2):95–109
Percutaneous fragmentation and extraction of a large renal calculus. Lieberman RP, et al. **AJR** 1982 Feb;138(2):363–5
Efficient storage of sterilized ophthalmic surgical instruments. Austin GC, et al. **Am J Ophthalmol** 1982 Apr; 93(4):518–9
Intraocular foreign–body hazard during vitrectomy. Bovino JA, et al. **Am J Ophthalmol** 1982 Mar;93(3):366
An adjustable self–supporting eyelid speculum. Krupin T. **Am J Ophthalmol** 1982 Jan;93(1):119–21
Effect of needle characteristics in strabismus surgery. Goldstein JH, et al. **Arch Ophthalmol** 1982 Apr; 100(4):617–8
Combined illumination–irrigation 20–gauge probes for vitrectomy. Meyers SM, et al. **Arch Ophthalmol** 1982 Apr; 100(4):622–3
Use of the ocutome in anterior segment surgery. Fink AI, et al. **Dev Ophthalmol** 1981;5:77–83
A new lid speculum. Schott K. **Dev Ophthalmol** 1981;5:31–2
A semidisposable punchblock with the disposable superblade trephine: a good combination with which to obtain donor corneal disc. Völker–Dieben HJ, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):447–50
Instrumentation for intraocular lens implantation. McIntyre DJ. **Int Ophthalmol Clin** 1982 Summer;22(2):155–76
An instrument and a technique to facilitate biopsies of lesions of the structures of the mouth and within the oral cavity. Roth RJ. **J Dermatol Surg Oncol** 1981 Nov;7(11):862–3
Iris retractor for cryoextraction of lens under the microscope. Inoue T. **Ophthalmic Surg** 1982 May;13(5):410–1
Awl–needle for insertion of posterior fixation suture (fadenoperation). Jones ST. **Ophthalmic Surg** 1982 Apr; 13(4):312–4
The contact lens corneal cutter: accuracy and reproducibility. Olson RJ. **Ophthalmic Surg** 1982 Mar;13(3):210–1
Diamond knife. Rowsey JJ, et al. **Ophthalmic Surg** 1982 Apr; 13(4):279–82
Angled tying utility forceps for retinal reattachment surgery. Schatz H, et al. **Ophthalmic Surg** 1982 Jun;13(6):503, 506

SURGICAL MESH

Central core reduction mammoplasties and Marlex suspension of breast tissue. Johnson GW. **Aesthetic Plast Surg** 1981; 5(1):77–84
Intraperitoneal polypropylene mesh support of incisional herniorraphy. McCarthy JD, et al. **Am J Surg** 1981 Dec; 142(6):707–11
Technique for repairing inguinal hernias with Marlex mesh. Usher FC. **Am J Surg** 1982 Mar;143(3):382–4
Splenic capping: an experimental study of a new technique for splenorrhaphy using woven polyglycolic acid mesh. Delany HM, et al. **Ann Surg** 1982 Aug;196(2):187–93
Abdominal wall resection and reconstruction with the aid of Marlex mesh. Blom WF, et al. **Br J Surg** 1982 Jun; 69(6):353–5
A method of plugging femoral shaft perforations during total hip arthroplasty. Beasley AW, et al. **Clin Orthop** 1982 Aug; (168):73–4
A new approach to the nipple in Kock's reservoir ileostomy using Mersilene mesh. Bayer I, et al. **Dis Colon Rectum** 1981 Sep;24(6):428–31
A modification of the Thiersch procedure for rectal prolapse using polyester tape. Thorlakson RH. **Dis Colon Rectum** 1982 Jan–Feb;25(1):57–8
Repair of orbital blowout fractures with Marlex mesh and Gelfilm. Burres SA, et al. **Laryngoscope** 1981 Nov; 91(11):1881–6
Zip–closure of the abdomen. Leguit P Jr. **Neth J Surg** 1982 Mar;34(1):40–1
Technical aspects of facial contouring using polyamide mesh. Stucker FJ Jr, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):123–31
The autoalloplast—an alternative in facial implantation. Stucker FJ Jr, et al. **Otolaryngol Clin North Am** 1982 Feb; 15(1):161–8
[Our surgical treatment experience with 154 postoperative abdominal hernias using a Bulgarian antimicrobial polyamide fabric] Atanasov A. **Khirurgiia (Sofiia)** 1981; 34(4):348–56 (Eng. Abstr.) **(Bul)**
[Use of Bulgarian antibacterial polycaproamide cloth and thread in experimental liver resections] Penchev R, et al. **Khirurgiia (Sofiia)** 1982;35(1):41–50 (Eng. Abstr.) **(Bul)**
[Surgical repair of extensive losses of substance of the abdominal wall, using polypropylene mesh. Experimental studies] Cannizzaro MA, et al. **Chir Patol Sper** 1980 Aug; 28(4):221–32 **(Ita)**
[Experimental research on the use of various types of dacron mesh in the treatment of laparoceles] Lobello R, et al. **Minerva Chir** 1982 Mar 15;37(5):425–6 **(Ita)**
[Use of mersilene mesh in properitoneal insertion, in recurrences of inguinal hernia] Pietri P, et al. **Minerva Chir** 1982 Feb 28;37(4):315–8 **(Ita)**
[Use of porolon sponge in treating unformed intestinal fistulae] Burtsev AN, et al. **Klin Khir** 1982 Feb;(2):22–4 (Eng. Abstr.) **(Rus)**
[Use of a Bulgarian antibacterial polycapromide mesh and suture in experimental liver resection] Vasilev N, et al. **Vestn Khir** 1982 Mar;128(3):45–8 **(Rus)**

ADVERSE EFFECTS

Fecal fistula: a late complication of Marlex mesh repair. Kaufman Z, et al. **Dis Colon Rectum** 1981 Oct;24(7):543–4

SURGICAL NURSING

A unified approach to assessment of the surgical patient. Keithley JK, et al. **Am J Nurs** 1982 Apr;82(4):612–4
Total pancreatectomy and islet cell autotransplantation. Kosel K, et al. **Am J Nurs** 1982 Apr;82(4):568–71
Caring for the gastroplasty patient. Boehmer VW, et al. **AORN J** 1981 Dec;34(6):1036–42
Promoting wound healing in the irradiated patient. Frogge MH. **AORN J** 1982 May;35(6):1088–93
Promoting wound healing in the obese patient. Groszek DM. **AORN J** 1982 May;35(6):1132–8
Managing hydrocephalus with a ventricular shunt. Pleasants DG. **AORN J** 1982 Apr;35(5):885–92
The recovery room as special procedures unit. Schneider M. **AORN J** 1981 Sep;34(3):490–8
Promoting wound healing in the diabetic patient. Winters B. **AORN J** 1982 May;35(6):1083–7
Acoustic neuroma: postoperative nursing care and rehabilitation. Blanco KM. **J Neurosurg Nurs** 1981 Jun; 13(3):153–5

EDUCATION

Student experiences in surgical day care. Dresen SE. **Am J Nurs** 1982 Jan;82(1):104–7
A surgical orientation for obstetrical nurses. Doll BC. **AORN J** 1981 Nov;34(5):851–2
Student nurses in the recovery room. Redmond C. **AORN J** 1981 Sep;34(3):534–8

METHODS

Perioperative anesthetic management of patients operated in sitting position for posterior fossa tumors. Kuhn JE, et al. **J Neurosurg Nurs** 1981 Aug;13(4):159–64

SURGICAL REPLANTATION see **REPLANTATION**

SURGICAL STAPLERS

Randomised trial comparing Proximate stapler with conventional skin closure. Eldrup J, et al.

Acta Chir Scand 1981;147(7):501–2

Application of intestinal staplers to aortoiliac surgery. Blumenberg RM, et al. **Am J Surg** 1982 Aug;144(2):198–202

The stapled abdominal wall closure revisited. Danto LA, et al. **Am J Surg** 1981 Sep;142(3):391–2

A use for the stapler in pancreatic surgery. Nagorney DM, et al. **Am J Surg** 1981 Sep;142(3):384–5

Technique for using the EEA stapler for low anterior resection of the rectum entirely from the abdominal approach. Ragins H, et al. **Am J Surg** 1981 Sep; 142(3):388–90

Single layer suture by manual or mechanical stapling technique in esophagojejunostomy after total gastrectomy. Sannohe Y, et al. **Am J Surg** 1981 Sep;142(3):403–6

Increasing the efficacy of gastric operations for the control of morbid obesity. Printen KJ, et al. **Am Surg** 1982 Jul; 48(7):309–15

Automatic disposable stapling devices for wound closure. Johnson A, et al. **Ann Emerg Med** 1981 Dec;10(12):631–5

Complications of rectal anastomoses with end-to-end anastomosis (EEA) stapling instrument. Clinical and radiological leak rates and some practical hints. Dorricott NJ, et al. **Ann R Coll Surg Engl** 1982 May;64(3):171–4

Rectal anastomosis with the EEA stapling instrument [letter] Helm W, et al. **Ann R Coll Surg Engl** 1982 Sep;64(5):356–7

Separation of en bloc cadaveric kidneys with a linear anastomosis stapler [letter] Flye MW, et al. **Arch Surg** 1982 Feb;117(2):251

Initial clinical experience with the EEA stapler. Polglase AL, et al. **Aust NZ J Surg** 1982 Feb;52(1):71–5

To facilitate the insertion of the EEA autosuture head into the oesophagus. Alexander-Williams J. **Br J Surg** 1982 Apr; 69(4):196

A comparison of circular stapling devices in colorectal anastomoses. Blamey SL, et al. **Br J Surg** 1982 Jan; 69(1):19–22

A modification of the EEA autosuture device. Gallagher P, et al. **Br J Surg** 1982 Apr;69(4):194

Five years' experience in stapling the oesophagus and rectum. Graham HK, et al. **Br J Surg** 1981 Oct;68(10):697–700

Integrity of low colorectal EEA-Stapled anastomosis. Kirwan WO. **Br J Surg** 1981 Aug;68(8):539–40

Special rectoscope for the EEA stapler. Marti MC, et al. **Br J Surg** 1982 Apr;69(4):214

A double clamp for tantalum clips in parietal cell vagotomy. Munoz JD, et al. **Br J Surg** 1982 Jul;69(7):437

The staple closure of loop colostomy. Quill D, et al. **Br J Surg** 1982 Jul;69(7):413

Colorectal anastomosis with a surgical stapler [letter] Dorsey JS, et al. **Can J Surg** 1981 Nov;24(6):555

Surgery for morbid obesity: comparison of gastric bypass with vertically stapled gastroplasty. Eckhout GV, et al. **Colo Med** 1981 Apr;78(4):117–22

Transanal insertion of EEA stapler: a helpful 'tip'. Cassimally KA. **Dis Colon Rectum** 1981 Nov–Dec;24(8):648

The low stapled anastomosis. Heald RJ, et al. **Dis Colon Rectum** 1981 Sep;24(6):437–44

A comparison of circular stapling devices for rectal anastomoses. A study in dogs. Keane FB, et al. **Dis Colon Rectum** 1982 May–Jun;25(4):285–8

Enlarging the bowel lumen for the EEA stapler. Minichan DP Jr. **Dis Colon Rectum** 1982 Jan–Feb;25(1):61

Technique for placement of distal purse string. Moseson MD, et al. **Dis Colon Rectum** 1982 Jan–Feb;25(1):59–60

EEA stapler in low anterior anastomosis. Vezeridis M, et al. **Dis Colon Rectum** 1982 May–Jun;25(4):364–7

Six years' experience of oesophageal transection for oesophageal varices, using a circular stapling gun. Johnston GW. **Gut** 1982 Sep;23(9):770–3

The automatic staple versus the conventional gastrointestinal anastomosis in gynecological malignancies. Delgado G. **Gynecol Oncol** 1981 Dec;12(3):302–13

Mechanical sutures in operations for neoplasia of the alimentary tract. Steichen FM, et al. **Int Adv Surg Oncol** 1982;5:197–244

Use of staples in pelvic surgery. Wheeless CR Jr. **Int Adv Surg Oncol** 1982;5:173–96

Use of skin stapler in dermatologic surgery. Stegmaier OC. **J Am Acad Dermatol** 1982 Mar;6(3):305–9

Percutaneous osteoclasp fixation of akin osteotomy: an alternative fixation technique. Levitsky DR. **J Foot Surg** 1981 Fall;20(3):163–6

A roentgen stereophotogrammetric analysis of growth arrest by stapling. Bylander B, et al. **J Pediatr Orthop** 1981; 1(1):81–90

Use of EEA stapler for substernal esophagogastric anastomosis in palliation of esophageal carcinoma. Mills SA. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):801–4

The evolution and application of mechanical end-to-end anastomoses in gastrointestinal surgery. Boorstein RI, et al. **JAOA** 1982 Feb;81(6):389–95

An algorithm for the reduction of metal clip artifacts in CT reconstructions. Glover GH, et al. **Med Phys** 1981 Nov–Dec;8(6):799–807

A comparison of a disposable skin stapler and nylon sutures for wound closure. Meiring L, et al. **S Afr Med J** 1982 Sep 4;62(11):371–2

Experimental evaluation of techniques of gastric partitioning for morbid obesity. Brolin RE, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):877–82

Innovative application of skin staplers in operations for burns. Kahn AM, et al. **Surg Gynecol Obstet** 1982 Aug; 155(2):242–3

Oesophagogastrectomy using the end-to-end anastomosing stapler. Fabri B, et al. **Thorax** 1982 Apr;37(4):296–9

Colorectal anastomoses with the EEA stapler. Detry RJ, et al. **World J Surg** 1981 Sep;5(5):739–42

EEA stapler in large bowel surgery. Marti MC, et al. **World J Surg** 1981 Sep;5(5):735–7

[Esophagogastrectomy with an EEA stapling device (author's transl)] Fékété F, et al. **Ann Chir** 1981 Nov;35(9 Pt 1):697–702 (Eng. Abstr.) **(Fre)**

[A new stapling instrument for anastomosis in the gastrointestinal tract. Preliminary experimental study (author's transl)] Pimenta AP, et al. **Ann Chir** 1981 Sep; 35(7):469–73 (Eng. Abstr.) **(Fre)**

[Mechanical sutures in surgery: account of 11 years use] Risch F, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1980;117(2):13–21 **(Fre)**

[The place of stapler device in digestive surgery (author's transl)] Lagache G, et al. **Chirurgie** 1981;107(6):408–15 (Eng. Abstr.) **(Fre)**

[Delayed rupture of mechanically performed digestive tube suture (author's transl)] Daucé JP, et al. **J Chir (Paris)** 1982 Feb;119(2):141–2 (Eng. Abstr.) **(Fre)**

[Colorectal anastomotic stricture : transanal resection using the E.E.A. autostapler (author's transl)] Le Treut YP, et al. **J Chir (Paris)** 1982 Jan;119(1):75–7 (Eng. Abstr.) **(Fre)**

[Experimental partial splenectomy with automatic staplers (author's transl)] Nguyen H, et al. **J Chir (Paris)** 1982 May; 119(5):335–40 **(Fre)**

[Right hemicolectomy with in situ ileocolic anastomosis. Changes introduced by mechanical suture (author's transl)] Adloff M, et al. **Nouv Presse Med** 1982 Mar 27; 11(14):1075–7 (Eng. Abstr.) **(Fre)**

[Suture staplers in surgery] Kivelitz H, et al. **Dtsch Med Wochenschr** 1982 Jan 15;107(2):63–5 **(Ger)**

[Comparative results of EEA and SPTU staplers used for colo-rectal anastomoses in 260 patients (author's transl)] Athanasiadis S, et al. **Langenbecks Arch Chir** 1981; 354(2):111–6 (Eng. Abstr.) **(Ger)**

[Automatic stapling devices in the surgery of the lung and the bronchial tree (author's transl)] Irlich G, et al. **Langenbecks Arch Chir** 1981;355:459–63 (Eng. Abstr.) **(Ger)**

[Stapling devices on stomach and small bowel (author's transl)] Jacobs G, et al. **Langenbecks Arch Chir** 1981; 355:465–9 (Eng. Abstr.) **(Ger)**

[Mechanical sutures in esophageal surgery (author's transl)] Kivelitz H, et al. **Langenbecks Arch Chir** 1981;355:455–7 (Eng. Abstr.) **(Ger)**

[Anterior resection of the rectum: comparison of the conservative suture technique and machine anastomosis (author's transl)] Probst M, et al. **Langenbecks Arch Chir** 1982;356(3):213–7 (Eng. Abstr.) **(Ger)**

[Staplers in colon surgery (author's transl)] Sailer R. **Langenbecks Arch Chir** 1981;355:471–4 (Eng. Abstr.) **(Ger)**

[The problem of metal clip artefacts in computerized tomography] Vock P, et al. **Schweiz Med Wochenschr** 1982 Apr 17;112(16):561–7 (Eng. Abstr.) **(Ger)**

[Automatic suturing devices in lung surgery (author's transl)] Moritz E, et al. **Wien Klin Wochenschr** 1982 Apr 2; 94(7):189–92 (Eng. Abstr.) **(Ger)**

[Technical considerations and preliminary experiences in the use of a mechanical suture apparatus in anastomoses of the digestive tract] Frontini L, et al. **Chir Ital** 1981 Dec; 33(6):1192–9 **(Ita)**

[Experimental studies on the use of the mechanical suture device in bronchial stump closure] Arcerito S, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):31–8 (Eng. Abstr.) **(Ita)**

[Experimental research on continent ileostomy. II. The use of mechanical sutures in constructing an intra-abdominal reservoir] Banna P, et al. **Minerva Chir** 1981 Nov 30; 36(22):1547–52 (Eng. Abstr.) **(Ita)**

[Experience and results in low colo-rectal mechanical anastomosis in surgery of cancer of the rectum] Bezzi M, et al. **Minerva Chir** 1982 Mar 15;37(5):363–6 **(Ita)**

[Manual sutures and mechanical sutures in colorectal surgery] Olivero S, et al. **Minerva Chir** 1981 Nov 30;36(22):1523–8 **(Ita)**

[Mechanical sutures in digestive tract surgery] Olivero S, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):11–30 (Eng. Abstr.) **(Ita)**

[Anastomosis of the digestive tract using the EEA stapler. Technical aspects and preliminary trials] Pozza D, et al. **Minerva Chir** 1981 Feb 15;36(3):151–8 **(Ita)**

[Resection-anastomosis with the EEA stapler for treatment of esophageal varices. Indications, technic and postoperative evaluation] Zannini G, et al. **Minerva Chir** 1982 Mar 15;37(5):339–46 **(Ita)**

[Mechanical suture by stapling in colon or ileo-rectal anastomosis] Cutait DE, et al. **Rev Paul Med** 1981 Jul–Sep; 97(7–9):93–102 (Eng. Abstr.) **(Por)**

[Single-stapling apparatuses SMT-3 and SB-2] Petrova NP. **Khirurgiia (Mosk)** 1981 Sep;(9):106–8 **(Rus)**

[Design and functional characteristics of the UG-70 suturing device] Akopov EM, et al. **Med Tekh** 1981 Sep–Oct; (5):48–51 **(Rus)**

[Suturing apparatus for papillosphincteroplasty] Danilov MV, et al. **Med Tekh** 1981 Sep–Oct;(5):51–2 **(Rus)**

[Formation of the intestinal anastomosis using NZhKA-60 apparatus with silicone compressing fixators] Kanshin NN, et al. **Vestn Khir** 1981 Dec;127(12):52–7 (Eng. Abstr.) **(Rus)**

[Automatic sutures in surgery of the digestive tract. Initial results] Cuadrado Idoyaga F, et al. **Rev Esp Enferm Apar Dig** 1982 Apr;61(4):313–20 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Complications associated with EEA stapler in performance of low anterior resections. Schaeffer CJ, et al. **Am Surg** 1981 Oct;47(10):426–8

Stapling instruments in upper gastrointestinal surgery: a retrospective study of 362 cases. Lowdon IM, et al. **Br J Surg** 1982 Jun;69(6):333–5

Pulmonary resections with staplers. Rubio PA, et al. **Int Surg** 1979 Nov–Dec;64(6):13–6

Early postoperative results with EEA stapler. Pemberton LB, et al. **Surgery** 1982 Jul;92(1):69–71

[Complications following automatic suture technic used in colorectal anastomosis] Krasnik M, et al. **Ugeskr Laeger** 1982 Feb 15;144(7):476–7 (Eng. Abstr.) **(Dan)**

[Errors and complications in using the PKS-25 apparatus] Tiukhtev ME, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):85–8 **(Rus)**

HISTORY

History of mechanical devices and instruments for suturing. Steichen FM, et al. **Curr Probl Surg** 1982 Jan;19(1):1–52

STANDARDS

Clinical efficacy of the stapled anastomosis in esophageal reconstruction. Sugimachi K, et al. **Ann Thorac Surg** 1982 Apr;33(4):374–8

A comparison of stapled and sutured anastomoses in gastric operations. Scher KS, et al. **Surg Gynecol Obstet** 1982 Apr; 154(4):548–52

SURGICAL WOUND DEHISCENCE

Laparotomy wound disruption. An avoidable technical failure. de Almeida AM, et al. **Acta Med Port** 1980 Sep–Dec;2(5–6):337–47

[Ultrasonic diagnosis of a scar defect following cesarean section] Szőke B, et al. **Orv Hetil** 1981 Sep 6; 122(36):2229–30 **(Hun)**

BLOOD

[Factors influencing anastomotic leakage after total gastrectomy with special reference to ABO blood groups (author's transl)] Stallkamp B, et al. **Zentralbl Chir** 1981; 106(17):1127–42 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Neostigmine and dehiscence of intestinal anastomoses (author's transl)] Buzello W, et al. **Anasth Intensivther Notfallmed** 1982 Apr;17(2):81–5 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Pneumopericardial tamponade postcoronary artery bypass sternal dehiscence. Shawl FA, et al. **Am Heart J** 1982 Jul; 104(1):160–3

[External small intestine fistulas and eventration caused by surgical wound dehiscence] Umińska H, et al. **Wiad Lek** 1981 Oct 1;34(19):1641–3 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Duodenal stump incompetence after gastric resection in peptic ulcer] Telia AV, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):62–5 **(Rus)**

ETIOLOGY

Traumatic wound dehiscence following penetrating keratoplasty. Topping TM, et al. **Br J Ophthalmol** 1982 Mar;66(3):174–8

Spontaneous dehiscence of an incisional hernia. Senapati A. **Br J Surg** 1982 Jun;69(6):313

Does infection cause anastomotic dehiscence? Gallagher P, et al. **J R Coll Surg Edinb** 1982 Mar;27(2):90–2

Dysfunction of the Björk-Shiley prosthesis. Report of 32 cases. Montero CG, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):9–15

[Delayed rupture of mechanically performed digestive tube suture (author's transl)] Daucé JP, et al. **J Chir (Paris)** 1982 Feb;119(2):141–2 (Eng. Abstr.) **(Fre)**

[Errors and complications in using the PKS-25 apparatus] Tiukhtev ME, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):85–8 **(Rus)**

MORTALITY

[Fatal dehiscence of suture in surgery of colon and rectum (author's transl)] Kühlmayer R, et al. **Wien Med Wochenschr** 1981 Aug 31;131(15–16):395–9 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Burst abdomen and incisional hernia: a prospective study of 1129 major laparotomies. Bucknall TE, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):931–3

[Postoperative eventrations] Gostishchev VK, et al. **Vestn Khir** 1982 Apr;128(4):132–6 **(Rus)**

PREVENTION & CONTROL

A new technique for closing abdominal incisions in patients with poor wound healing. Boissel P, et al. **Am J Surg** 1982 Mar;143(3):380–1

Methods for avoiding a dire surgical complication: bronchopleural fistula after pulmonary resection. Lawrence GH, et al. **Am J Surg** 1982 Jul;144(1):136–40

[Current methods of preparation of the large intestine for resection operations and methods of monolayer suturing] Tesauro B. **Minerva Chir** 1982 Feb 28;37(4):223–8 **(Ita)**

SURGERY

Preoperative management of patients with evisceration. Morris DM. **Dis Colon Rectum** 1982 Apr;25(3):249–50

Repair of refractory sternal dehiscence: a new technique [letter] Campo CD, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):937–9

Sternal dehiscence: 'delayed primary closure' for complicated cases. Taira A, et al. **Jpn J Surg** 1981 Mar;11(2):124–6

The gracilis myocutaneous flap for persistent perineal sinus after proctocolectomy. Baek SM, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):713–6

Skin autografts to cover exposed renal allografts. Paley D, et al. **Surgery** 1981 Nov;90(5):910–3

Management of disrupted sternotomy. Roy AC, et al. **Thorax** 1981 Sep;36(9):676–8

[The appendix stump insufficiency. Clinical appearance forms and treatment] Engel C, et al. **Chirurg** 1981 Nov; 52(11):714–6 (Eng. Abstr.) **(Ger)**

THERAPY

Management of abdominal wounds in thermally injured patients. Goodwin CW Jr, et al. **J Trauma** 1982 Feb; 22(2):92–7

[Therapeutic aspects of laparotomy after digestive fistula or after surgical intervention for acute pancreatitis (author's transl)] Reynaert MS, et al. **Acta Chir Belg** 1981 Mar–Jun; 80(2–3):83–91 (Eng. Abstr.) **(Fre)**

[Dehiscence of episiotomies at the gynecologic–obstetrical clinic from 1975 to 1980] Lekin M, et al. **Med Pregl** 1981; 34(11–12):541–3 (Eng. Abstr.) **(Scr)**

SURGICAL WOUND INFECTION

Papers read before the first annual meeting of the Surgical Infection Society, Chicago, April 25, 1981. **Arch Surg** 1982 Feb;117(2):107–244

Podiatric sepsis: current principles of prevention, diagnosis and treatment. Arminio GJ. **J Foot Surg** 1980 Summer; 19(2):98–104 (54 ref.)

Postoperative infection of an aortic prosthesis with Achromobacter xylosoxidans. Olson DA, et al. **West J Med** 1982 Feb;136(2):153–7

[Intraocular infections in perforating eye injuries (author's transl)] Reich ME, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):411–2 (Eng. Abstr.) **(Ger)**

BLOOD

Sedimentation rate in infected and uninfected total hip arthroplasty. Forster IW, et al. **Clin Orthop** 1982 Aug; (168):48–52

[Diagnostic and prognostic value of the erythrocyte sedimentation rate in complicated surgical wounds] Pranchev N, et al. **Akush Ginekol (Sofiia)** 1981;20(5):379–82 (Eng. Abstr.) **(Bul)**

COMPLICATIONS

Chronic osteomyelitis due to Clostridium difficile. Riley TV, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1217–8

Meningitis and recurrent septicaemia secondary to unsuspected pacemaker infection. Southall E, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1530

Does infection cause anastomotic dehiscence? Gallagher P, et al. **J R Coll Surg Edinb** 1982 Mar;27(2):90–2

Toxic shock syndrome associated with surgical wound infections. Bartlett P, et al. **JAMA** 1982 Mar 12; 247(10):1448–50

Pseudomonas maltophilia bacteremia in children undergoing open heart surgery. Fisher MC, et al. **JAMA** 1981 Oct 2;246(14):1571–4

Reinsertability after breast prosthesis pocket infection: an experimental study. Marsh JL, et al. **Plast Reconstr Surg** 1982 Feb;69(2):234–7

[Septic complications of operative treatment of frontal and frontobasal injuries (author's transl)] Szarvas I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982;25(1):1–5 **(Hun)**

[Eventration into a suppurative wound] Nikiforov BI, et al. **Klin Khir** 1982 Jan;(1):36–8 (Eng. Abstr.) **(Rus)**

[Shunt nephritis (author's transl)] Zamora I, et al. **An Esp Pediatr** 1982 Feb;16(2):170–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A survey of infections in stereotactic surgery. Hood TW, et al. **Appl Neurophysiol** 1981;44(5–6):314–9

Diagnostic features of early high post-laparotomy fever: a prospective study of 100 patients. Le Gall JR, et al. **Br J Surg** 1982 Aug;69(8):452–5

Toxic shock syndrome—additional perspectives [editorial] Goodpasture HC, et al. **JAMA** 1982 Mar 12;247(10):1464

Pseudomonas infection in the postoperative nasal septum. Rudolph R. **Plast Reconstr Surg** 1982 Jul;70(1):87–90

Toxic shock syndrome in the postoperative patient. Dornan KJ, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):65–8

[Thermography in osteosyntheses and total endoprostheses of the knee joint with and without infection (author's transl)] Lambiris E, et al. **Z Orthop** 1981 Oct;119(5):521–4 (Eng. Abstr.) **(Ger)**

[Infectious complications of the use of vascular prostheses] Pecchioli E. **Ann Ital Chir** 1981;53(5):597–610 **(Ita)**

[Activated chemoluminescence of the plasma in purulent infections] Dudina EI, et al. **Sov Med** 1981;(8):56–9 (Eng. Abstr.) **(Rus)**

[Impedance measurements in the prevention and early diagnosis of surgical wound infections] Kalashnik AF, et al. **Sov Med** 1981;(11):49–51 (Eng. Abstr.) **(Rus)**

[C-reactive protein. Value in diagnosis of infectious complications of hydrocephalus children with shunt (author's transl)] Castro-Gago M, et al. **An Esp Pediatr** 1982 Jan;16(1):47–52 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Gentamicin treatment in severe surgical infections—serum levels, interactions, toxicity and efficacy. Athlin L, et al. **Acta Chir Scand** 1981;147(4):225–30

Treatment of a patient with impaired renal function with gentamicin–PMMA–beads. Walenkamp GH, et al. **Arch Orthop Trauma Surg** 1981;99(2):137–41

Piperacillin in surgical infections: a clinical trial. Morris WT, et al. **Aust NZ J Surg** 1981 Dec;51(6):614–7

Clinical comparison of cefotaxime versus the combination of gentamicin plus clindamycin in the treatment of peritonitis and similar polymicrobial soft-tissue surgical sepsis. Stone HH, et al. **Clin Ther** 1981;4 Suppl A:67–80

FDA approves new antibiotic for surgical infections, meningitis. **Hospitals** 1982 Jul 16;56(14):55, 57

Oral antibiotics in pedal infections. Green RA. **J Foot Surg** 1980 Summer;19(2):105–8

Topical agents in postoperative toxic shock syndrome [letter] Bach MC. **JAMA** 1982 Jun 11;247(22):3083

[Moxalactam: use in digestive surgery] Chevrel B. **Med Chir Dig** 1982;11(2):141–5 **(Fre)**

[Experiences with gentamicin–PMMA mini–chains in hand infections] Asche G. **Handchirurgie** 1980;12(3–4):257–60 (Eng. Abstr.) **(Ger)**

[Moxalactam – a beta–lactam antibiotic in the monotherapy of severe infections in surgery. Clinico–bacteriological study of 35 patients] Gonzenbach HR, et al. **Schweiz Med Wochenschr** 1981 Aug 4;111(31–32):1169–83 (Eng. Abstr.) **(Ger)**

[Use of metronidazole in treatment of postoperative obstetric infections (author's transl)] Amon K, et al. **Zentralbl Gynakol** 1981;103(13):732–9 (Eng. Abstr.) **(Ger)**

[Experience with cefoxitin in intensive care surgical departments] Mingolla F, et al. **Chir Ital** 1982 Jun; 34(3):404–16 **(Ita)**

[Evaluation of the effect of a cephamycin antibiotic agent, cefmetazole, for the postoperative infections (author's transl)] **Jpn J Antibiot** 1981 Sep;34(9):1211–34 (Eng. Abstr.) **(Jpn)**

[Sensitivity of clinical isolates in the surgical field to aminoglycoside and clinical evaluation of tobramycin intravenous drip infusion (author's transl)] Iwai S, et al. **Jpn J Antibiot** 1981 Oct;34(10):1355–65 **(Jpn)**

[Bacteriological and clinical studies of cefoxitin with special reference to anaerobic infections in the patients of abdominal surgery (author's transl)] Karaki K, et al. **Jpn J Antibiot** 1981 Sep;34(9):1320–34 (Eng. Abstr.) **(Jpn)**

[A fundamental and clinical study of ceftizoxime in the field of obstetrics and gynecology (author's transl)] Ninomiya K, et al. **Jpn J Antibiot** 1981 Nov;34(11):1477–84 (Eng. Abstr.) **(Jpn)**

[A clinical study of netilmicin in patients of surgical field (author's transl)] Nishijima H, et al. **Jpn J Antibiot** 1982 Jan;35(1):268–72 (Eng. Abstr.) **(Jpn)**

[The effect of cefoxitin for surgical infections. Especially, the effect for resisted cases to therapy with another cephalosporins (author's transl)] Sakata I. **Jpn J Antibiot** 1981 Jul;34(7):1044–7 **(Jpn)**

[Clinical studies on cefoxitin in the field of gastro–surgery (author's transl)] Suzuki H, et al. **Jpn J Antibiot** 1981 Nov; 34(11):1447–50 (Eng. Abstr.) **(Jpn)**

[Clinical application of cefsulodin to Pseudomonas aeruginosa infections in the surgical field (author's transl)] Tanimura H, et al. **Jpn J Antibiot** 1981 Apr;34(4):459–65 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefoxitin in the field of obstetrics and gynecology (author's transl)] Yamamoto K, et al. **Jpn J Antibiot** 1981 Sep;34(9):1313–9 **(Jpn)**

[Prospects of antibiotic treatment in the surgical field] Ishibiki K. **Nippon Rinsho** 1981 Jan;39(1):66–71 **(Jpn)**

[Prospects of antibiotic treatment in dental and orosurgical field] Tamai K. **Nippon Rinsho** 1981 Jan;39(1):98–102 **(Jpn)**

[Comparative study of the effects of meslocillin and carbenicillin in the treatment of surgical wound infection] Orlowski T, et al. **Wiad Lek** 1981 May 1;34(9):727–31 (Eng. Abstr.) **(Pol)**

[Use of iodopiron for treating the suppurative wounds after heart operations] Derzhavets LKh, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):72–3 **(Rus)**

[Use of lactic acid in treating suppurative wounds] Mazurik MF, et al. **Klin Khir** 1982 Jan;(1):43–5 (Eng. Abstr.) **(Rus)**

[Intra–arterial antibiotic infusions in the complex treatment of the purulent complications of wounds and plastic surgery of the skin of the hand] Vodianov NM, et al. **Sov Med** 1981;(8):112–4 **(Rus)**

[Effect of topical use of proteinase inhibitors in the healing of purulent wounds] Grigorian AV, et al. **Vestn Khir** 1981 Aug;127(8):3–7 **(Rus)**

ETIOLOGY

Sources and routes in postoperative wound infections. Hasselgren PO, et al. **Acta Chir Scand** 1981;147(2):99–103

Infected non–union of the tibial shaft treated by Küntscher intramedullary reaming and n ail fixation. A report of four cases. Lidgren L, et al. **Acta Orthop Scand** 1982 Aug; 53(4):669–74

Cause of wound complications in elderly patients with above–knee amputation. Squires JW, et al. **Am J Surg** 1982 Apr;143(4):523–7

Hemodialysis fistula infections caused by Legionella pneumophila. Kalweit WH, et al. **Ann Intern Med** 1982 Feb;96(2):173–5

Possible mechanisms for vaginal infection with Staphylococcus aureus: inferences drawn from studies of nosocomial infection of newborn infants and surgical patients. Mortimer EA. **Ann Intern Med** 1982 Jun;96(6 Pt 2):934–6

Mycobacterium fortuitum as a cause of mastoiditis and wound infection. Neitch SM, et al. **Arch Otolaryngol** 1982 Jan;108(1):11–4

Delayed wound infection. An 11–year survey. Davis JM, et al. **Arch Surg** 1982 Feb;117(2):113–7

Postoperative peritonitis caused by Saccharomyces cerevisiae [letter] Dougherty SH, et al. **Arch Surg** 1982 Feb;117(2):248

The pectoralis major myocutaneous flap for intraoral reconstruction: a word of warning. Hodgkinson DJ. **Br J Plast Surg** 1982 Jan;35(1):80–1

Cimetidine and the potential risk of postoperative sepsis. Muscroft TJ, et al. **Br J Surg** 1981 Aug;68(8):557–9

Postoperative toxic shock syndrome in a man. Portnoy D, et al. **Can Med Assoc J** 1982 Apr 1;126(7):815, 816

Delayed deep wound sepsis five years after hip–nailing: A case report. Quinn TP, et al. **Clin Orthop** 1981 Jul–Aug; (158):117–9

Septic dislocation of the hip after internal fixation of trochanteric fractures. Evans PE. **Injury** 1981 Nov; 13(3):185–7

Infection rates after 3175 total hip and total knee replacements performed with and without a horizontal unidirectional filtered air–flow system. Salvati EA, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):525–35

Late anaerobic haematogenous infection of experimental total joint replacement. A study in the rabbit using Propionibacterium acnes. Blomgren G, et al. **J Bone Joint Surg [Br]** 1981;63B(4):614–8

Air–borne contamination hazard in open heart surgery. Efficiency of HEPA air filtration and laminar flow. Soots G, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr; 23(2):155–62

Aeromonas hydrophilia: a rare and potentially life–threatening pathogen to humans. Weinstock RE, et al. **J Foot Surg** 1982 Spring;21(1):45–53

Infection following pulp pull–through technique of flexor tendon grafting. Schlenker JD. **J Hand Surg** 1981 Nov; 6(6):550–2

Obstetrics and gynecology grand rounds: clinical case management. Complications resulting from cesarean section. Meeks GR, et al. **J Miss State Med Assoc** 1981 Sep;22(9):228–30

Impact of preoperative weight loss on postoperative morbidity. Higgens CS, et al. **J R Soc Med** 1981 Aug; 74(8):571–3

Streptococcal wound infections caused by a vaginal carrier. Berkelman RL, et al. **JAMA** 1982 May 21;247(19):2680–2

Severe necrotizing soft–tissue infections. Multiple disease entities requiring a common approach. Dellinger EP. **JAMA** 1981 Oct 9;246(15):1717–21

Primary renal transplant wound infections. Hoy WE, et al. **NY State J Med** 1981 Sep;81(10):1469–73

Multivariate analysis of determinants of postoperative wound infection: a possible basis for intervention. Simchen E, et al. **Rev Infect Dis** 1981 Jul–Aug;3(4):678–82

Wound sepsis after elective cholecystectomy. Restriction of prophylactic antibiotics to risk groups. Lykkegaard Nielsen M, et al. **Scand J Gastroenterol** 1981;16(7):937–40

Cunninghamella bertholletiae wound infection of probable nosocomial origin. Boyce JM, et al. **South Med J** 1981 Sep;74(9):1132–5

Mycobacterium fortuitum infection after total hip replacement. Horadam VW, et al. **South Med J** 1982 Feb;

75(2):244–6
Multiple–organism bacteremia in the surgical intensive care unit: a sign of intraperitoneal sepsis. Ing AF, et al. **Surgery** 1981 Oct;90(4):779–86
Infections after elective bypass surgery for lower limb ischemia: the influence of preoperative transcutaneous arteriography. Landreneau MD, et al. **Surgery** 1981 Dec; 90(6):956–61
Wound infections in renal transplant recipients—a complication of urinary tract infections during allograft malfunction. Lobo PI, et al. **Surgery** 1982 Sep;92(3):491–6
[Infection following closed intramedullary nailing by Kuntscher's method in 1059 fractures] Babin SR, et al. **Int Orthop** 1981;5(4):271–6 (Eng. Abstr.) **(Fre)**
[External fixator in the prevention and treatment of infections (author's transl)] Weller S. **Aktuel Traumatol** 1982 Apr; 12(2):43–7 (Eng. Abstr.) **(Ger)**
[Serious errors in the management of fractures of the extremities] Gyulai M. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):156–8 **(Hun)**
[Characteristics of hip infection following plastic surgery using head–like and neck–like and full joint prostheses] Modrzewski K. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(6):561–5 (Eng. Abstr.) **(Pol)**
[Asporogenous anaerobic infections in obstetrics and gynecology] Sol'skiĭ IaP, et al. **Akush Ginekol (Mosk)** 1982 May;(5):3–6 (46 ref.) **(Rus)**
[Causes and prevention of latent infection in abdominal surgery] Shilov AB. **Vestn Khir** 1981 Jul;127(7):15–7 (Eng. Abstr.) **(Rus)**

HISTORY

Sepsis in surgery. Presidential address. Altemeier WA. **Arch Surg** 1982 Feb;117(2):107–12

IMMUNOLOGY

Clinical importance of host resistance to infection in surgical patients. Meakins JL. **Adv Surg** 1981;15:225–55 (65 ref.)
Failure of delayed hypersensitivity skin testing to predict postoperative sepsis and mortality. Brown R, et al. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):851–3
[Body inflammatory reaction in suppurative surgical infections against a background of diabetes mellitus] Magomedov AA. **Sov Med** 1981;(4):108–9 **(Rus)**
[Neutrophil phagocytic function in suppurative surgical infection] Pobedina VG, et al. **Sov Med** 1981;(4):64–7 (Eng. Abstr.) **(Rus)**
[Phagocyte characteristics in acute suppurative surgical infection] Belotskiĭ SM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):88–91 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cholecystectomy wounds: source of infection. Macfarlane JR, et al. **J Hosp Infect** 1982 Mar;3(1):49–54
Wound infections and nasal colonization of staff with Staphylococcus aureus in Benin, Nigeria. Wemambu SN. **J Hosp Infect** 1981 Sep;2(3):259–60
Postoperative wound infection in orthopedic surgery. Miller WA. **J Okla State Med Assoc** 1981 Nov;74(11):353–6
Bacteriological analysis of wound infection in Mayo Hospital, Lahore. Aman S. **JPMA** 1982 Mar;32(3):66–8
Comparison of the effect of bacterial inoculation in musculocutaneous and random–pattern flaps. Chang N, et al. **Plast Reconstr Surg** 1982 Jul;70(1):1–10
Surgical bacteriology: an overview. Nichols RL. **Surg Annu** 1981;13:205–38 (131 ref.)
Effects of oxidized cellulose and microfibrillar collagen on infection. Scher KS, et al. **Surgery** 1982 Mar;91(3):301–4
[Bacterial flora in the appendix and in wound abscesses after appendectomy. A study with a special anaerobic culture technic and transport] Lose G, et al. **Ugeskr Laeger** 1981 May 24;143(21):1316–20 (Eng. Abstr.) **(Dan)**
[Acute primary infection due to slow–growing anaerobes after total hip arthroplasty (author's transl)] Furno P, et al. **Nouv Presse Med** 1982 Jun 5;11(26):1991–3 (Eng. Abstr.) **(Fre)**
[Bacterial colonization following resective and non–resective stomach–surgery (author's transl)] Falter E, et al. **Z Gastroenterol** 1982 Jan;20(1):33–9 (Eng. Abstr.) **(Ger)**
[Bacteriological and clinical examinations of vacuum drainages after various operations in the jaw–face area (author's transl)] Pfister W, et al. **Zahn Mund Kieferheilkd** 1981;69(6):491–5 (Eng. Abstr.) **(Ger)**
[Unusual pathology caused by Salmonella in the Greater Hospital of Milan in the 3–year period of 1977–1979] Pagano A, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar; 139(1):91–8 (52 ref.) (Eng. Abstr.) **(Ita)**
[Infections caused by anaerobic bacteria in surgical practice] Chabielski S, et al. **Wiad Lek** 1981 Aug 1;34(15):1279–83 (34 ref.) **(Pol)**
[Infectious complications after radical operations for rectal and colonic cancer] Smolianskaia AZ, et al. **Klin Khir** 1982 May;(5):17–20 (Eng. Abstr.) **(Rus)**
[Role of anaerobic microorganisms in the development of infection after injuries and orthopedic operations] Mel'nikova VM, et al. **Ortop Travmatol Protez** 1981 Apr; (4):45–8 (Eng. Abstr.) **(Rus)**
[Microbiological and immunological characteristics of suppurative inflammatory processes in the maxillofacial area] Ivasenko PI, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):42–4 (Eng. Abstr.) **(Rus)**
[Microflora of infected wounds after abdominal gynecologic surgery] Jeremić V, et al. **Srp Arh Celok Lek** 1981 Sep; 109(9):1165–70 **(Sec)**

OCCURRENCE

Wound infections in general surgery. A two–year prospective study in a private hospital. Van Damme JP, et al. **Acta Chir Belg** 1981 Jul–Aug;80(4):161–9
Quantitative recovery of contaminating bacteria at operation and the relation to postoperative infection in intestinal surgery. Claesson B, et al. **Acta Chir Scand** 1981; 147(4):285–8
Postoperative infections in the small hospital. A prospective one–year study. Järhult J, et al. **Acta Chir Scand** 1981; 147(5):325–9
Postoperative wound infections detected during hospitalization and after discharge in a community hospital. Burns SJ, et al. **Am J Infect Control** 1982 May;10(2):60–5
Sepsis following biliary tract surgery. Levien DH, et al. **Am Surg** 1982 Jun;48(6):264–7
Delayed wound infection. An 11–year survey. Davis JM, et al. **Arch Surg** 1982 Feb;117(2):113–7
Preoperative prediction and quantification of septic risk caused by malnutrition. Nazari S, et al. **Arch Surg** 1982 Mar;117(3):266–74
Effective and creative surveillance and reporting of surgical wound infections. Kaiser AB. **Infect Control** 1982 Jan–Feb; 3(1):41–3
An eight year study of postoperative wound infection in two district general hospitals. Leigh DA. **J Hosp Infect** 1981 Sep;2(3):207–17
Relation between surgical volume and postoperative wound infection [letter] Richards TA. **N Engl J Med** 1982 Jan 21;306(3):178–9
Incidence of wound infection for common general surgical procedures. Coles B, et al. **Surg Gynecol Obstet** 1982 Apr; 154(4):557–60
[Infections in surgical departments of obstetrics and gynecology. Study of a 3–month period] Thorup J, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1815–9 (Eng. Abstr.) **(Dan)**
[Discriminant factors of risk of infection in routine digestive surgery. Trial apropos of 308 cases] Dellamonica P, et al. **Ann Anesthesiol Fr** 1981;22(3):292–302 (Eng. Abstr.) **(Fre)**
[Wound infection and complication rate after general surgical procedures. A prospective analysis] Grundmann R, et al. **Chirurg** 1981 Sep;52(9):570–6 **(Ger)**
[Infections in pediatric surgery] Carrillo–Alcántar V, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):355–60 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Spontaneous exit of a gnathostome through a surgical wound. Ratanarapee S, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):376–9

PATHOLOGY

Management of necrotizing tracheostomy infections. Snow N, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):341–4
Suture resistance to infection. Sharp WV, et al. **Surgery** 1982 Jan;91(1):61–3
[Healing of infected wounds after diathermic and scalpel cuts into the abdominal wall in rabbits (author's transl)] Bustamante I, et al. **Langenbecks Arch Chir** 1982; 357(2):125–30 (Eng. Abstr.) **(Ger)**
[Inflammation and regeneration in the tissues of purulent wounds closed with primary sutures] Khanin AG, et al. **Sov Med** 1981;(11):105–8 **(Rus)**

PHYSIOPATHOLOGY

Primary and secondary healing in infected wounds. An experimental study. Johnson BW, et al. **Arch Surg** 1982 Sep;117(9):1189–93
[Hemostatic factors in granulation tissue in suppurative wounds] Kuzin MI, et al. **Sov Med** 1981;(4):67–72 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Selected postoperative antibiotic prophylaxis in colo–rectal surgery on the basis of bacterial concentration in the operative field. Claesson B, et al. **Acta Chir Scand** 1981; 147(4):289–93
Metronidazole and appendicitis. Can a preoperative prophylaxis be changed to a peroperative treatment in high risk patients? Gottrup F, et al. **Acta Chir Scand** 1981; 147(6):445–6
Septic wound complications after whole bowel irrigation before colorectal operations. Raahave D, et al. **Acta Chir Scand** 1981;147(3):215–8
Developing a consensus for appropriate antibiotic use in surgery [editorial] **Am J Hosp Pharm** 1981 Apr;38(4):481
Antimicrobial prophylaxis in surgery: part 2. DiPiro JT, et al. **Am J Hosp Pharm** 1981 Apr;38(4):487–94
Selection of patients for antibiotic prophylaxis in cesarean sections. Harger JH, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):752–8
Prospective, randomized, controlled trial of ticarcillin and cephalothin as prophylactic antibiotics for gastrointestinal operations. Brown JJ, et al. **Am J Surg** 1982 Mar; 143(3):343–8
Short–term systemic prophylaxis with cefoxitin and doxycycline in colorectal surgery. A prospective, randomized study. Ivarsson L, et al. **Am J Surg** 1982 Aug; 144(2):257–61
Single–dose intrarectal metronidazole prophylaxis against wound infection after appendectomy. Kortelainen P, et al. **Am J Surg** 1982 Feb;143(2):244–5
Randomized, prospective trial of topical hydrogen peroxide in appendectomy wound infection. High risk factors. Lau WY, et al. **Am J Surg** 1981 Sep;142(3):393–7
Efficacy of antibiotic prophylaxis in high risk gastroduodenal operations. Nichols RL, et al. **Am J Surg** 1982 Jan; 143(1):94–8
Prevention of wound infection: the comparative effectiveness of topical and systemic cefazolin and povidone–iodine. Scher KS. **Am Surg** 1982 Jun;48(6):268–70
Systemic antibiotic prophylaxis: determinants of effectiveness [editorial] Fry DE, et al. **Ann Chir Gynaecol** 1981; 70(2):43–4
The value of a single intravenous dose of metronidazole as prophylaxis against wound infection after appendicectomy. Pääkkönen M, et al. **Ann Chir Gynaecol** 1982;71(2):137–9
Metronidazole prophylaxis against wound infection in patients undergoing appendicectomy. Saario I, et al. **Ann Chir Gynaecol** 1981;70(2):71–4
Tinidazole in the prophylaxis of post–appendicectomy infections. Salo J, et al. **Ann Chir Gynaecol** 1981; 70(4):187–90
Is a mask necessary in the operating theatre? Orr NW. **Ann R Coll Surg Engl** 1981 Nov;63(6):390–2
A single dose tinidazole and doxycycline prophylaxis in elective surgery of colon and rectum. A prospective controlled clinical multicenter study. Giercksky KE, et al. **Ann Surg** 1982 Feb;195(2):227–31
Comparative study of cefamandole versus ampicillin plus cloxacillin: prophylactic antibiotics in cardiac surgery. Ghoneim AT, et al. **Ann Thorac Surg** 1982 Feb;33(2):152–8
A comparison of the safety, efficacy, and distribution of ceforanide and cephalothin in coronary artery bypass graft surgery. Raab TA, et al. **Ann Thorac Surg** 1982 Apr; 33(4):340–4
Chemoprophylaxis with cefoxitin and cephalothin in orthopedic surgery: a comparison. Rosenfeld MB, et al. **Antimicrob Agents Chemother** 1981 May;19(5):826–30
Use of prophylactic antibiotics in orthopedic surgery. Surin V, et al. **Arch Orthop Trauma Surg** 1982;99(3):175–81
Use of povidone–iodine [letter] Becker GD, et al. **Arch Otolaryngol** 1982 Jul;108(7):461
Development of an infection–resistant vascular prosthesis. Moore WS, et al. **Arch Surg** 1981 Nov;116(11):1403–7
Duration of preventive antibiotic administration for penetrating abdominal trauma. Oreskovich MR, et al. **Arch Surg** 1982 Feb;117(2):200–5
Single–dose intraoperative antibiotic prophylaxis in emergency abdominal surgery. Rowlands BJ, et al. **Arch Surg** 1982 Feb;117(2):195–9
Rifampin and cefazolin as prophylactic agents. A comparison in an animal model of vascular graft infection. Rutledge R, et al. **Arch Surg** 1982 Sep;117(9):1164–5
Appendicitis in childhood: reduction in wound infection with preoperative antibiotics. Wright JE. **Aust NZ J Surg** 1982 Apr;52(2):127–9
'Op–site' as a post–operative dressing in general surgery. McLean NR, et al. **Br J Clin Pract** 1981 Oct;35(10):356–8
Studies of the prophylactic use of a combination of ampicillin and flucloxacillin in patients undergoing major thoracic surgery. Moghissi K, et al. **Br J Clin Pract** 1981 Jul–Aug; 35(7–8):268–71
A trial comparing the use of penicillin and streptomycin, and flucloxacillin and ampicillin prophylactically in patients undergoing major thoracic surgery. Moghissi K, et al. **Br J Clin Pract** 1981 Jul–Aug;35(7–8):250–3
Antiseptic, aseptic and atraumatic surgery. Qvist G. **Br J Clin Pract** 1982 Jan;36(1):5–8
The role of antibiotic prophylaxis in biliary surgery. Thomas WE, et al. **Br J Clin Pract** 1981 Apr;35(4):140–2, 146
Pre–incisional intraparietal injection of cephamandole: a new approach to wound infection prophylaxis. Armstrong CP, et al. **Br J Surg** 1982 Aug;69(8):459–60
A comparison of intravenous and oral metronidazole as prophylactic in colorectal surgery. Beggs FD, et al. **Br J Surg** 1982 Apr;69(4):226–7
Wound infection [letter] Catchpole B. **Br J Surg** 1981 Sep; 68(9):670–1
Intraoperative microscopy of bile—is it useful? Gallagher P, et al. **Br J Surg** 1982 Aug;69(8):473–4
Clinical trials of the efficacy and duration of antibacterial cover for elective resection in inflammatory bowel disease. Hares MM, et al. **Br J Surg** 1982 Apr;69(4):215–7
Prevention of arterial prosthetic graft infection by lavage and peritoneal dialysis in diffuse peritonitis: a report of 2 cases. Renvall S, et al. **Br J Surg** 1981 Sep;68(9):615–6
Preoperative intraparietal (intra–incisional) cefoxitin in abdominal surgery. Taylor TV, et al. **Br J Surg** 1982 Aug; 69(8):461–2
Single dose doxycycline prophylaxis and peroperative bacteriological culture in elective colorectal surgery.

Törnqvist A, et al. **Br J Surg** 1981 Aug;68(8):565–8
Sterile microenvironment in prevention of wound infection [letter] **Br Med J [Clin Res]** 1982 Jul 17;285(6336):209
Effect of ultraclean air in operating rooms on deep sepsis in the joint after total hip or knee replacement: a randomised study. Lidwell OM, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):10–4
Sterile microenvironment in prevention of wound infection. Scott JM, et al. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1594–6
Vancomycin blood levels during cardiac bypass surgery. Austin TW, et al. **Can J Surg** 1981 Jul;24(4):423–5
Comparison between oral and systemic antibiotics and their combined use for the prevention of complications in colorectal surgery. Lazorthes F, et al. **Dis Colon Rectum** 1982 May–Jun;25(4):309–11
Prophylactic antibiotics in pediatric orthopedic surgery: current practices. Faden H. **Infect Control** 1981 Mar–Apr; 2(2):107–9
Techniques known to prevent post-operative wound infection. Nichols RL. **Infect Control** 1982 Jan–Feb; 3(1):34–7
Perioperative prophylactic use of antibiotics in surgery: principles and practice. Shapiro M. **Infect Control** 1982 Jan–Feb;3(1):38–40
Cdc guidelines on infection control. Simmons BP. **Infect Control** 1982 Mar–Apr;3(2 Suppl):187–96
Betadine irrigation following appendicectomy—a randomized prospective trial. Tighe B, et al. **Ir Med J** 1982 Mar;75(3):96
Prophylaxis in gynaecological surgery. Vaughan J, et al. **Ir Med J** 1981 Oct;74(10):304–5
The treatment and prevention of infection in phenol alcohol matricectomies. Rinaldi R, et al. **J Am Podiatry Assoc** 1982 Sep;72(9):453–7
Single dose antibiotic prophylaxis of surgical wound sepsis: which route of administration is best? A controlled clinical trial of intra-incisional against intravenous cephaloridine. Greenall MJ, et al. **J Antimicrob Chemother** 1981 Mar; 7(3):223–7
Penetration of gentamicin into heart valves, subcutaneous and muscular tissue of patients undergoing open heart surgery. Daschner FD, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):581–4
Avoiding infection in office surgery. Sebben JE. **J Dermatol Surg Oncol** 1982 Jun;8(6):455–8
A comparison of the use of povidone-iodine and chlorhexidine in the prophylaxis of postoperative wound infection. Berry AR, et al. **J Hosp Infect** 1982 Mar; 3(1):55–63
Failure of antimicrobial prophylaxis with cefoxitin, or metronidazole and gentamicin in colorectal surgery. Is mannitol to blame? Hares MM, et al. **J Hosp Infect** 1981 Jun;2(2):127–33
Effectiveness of penicillin irrigation in control of infection in sutured lacerations. Lindsey D, et al. **J Trauma** 1982 Mar;22(3):186–9
Surgical gloves during wound repair in the accident-and-emergency department. Bodiwala GG, et al. **Lancet** 1982 Jul 10;2(8289):91–2
Preoperative antimicrobial prescribing practice for elective colorectal surgery in Wessex, 1981. McDonald PJ, et al. **Lancet** 1982 Oct 2;2(8301):753–5
Good antimicrobial prescribing. Clinical uses of cephalosporins. Neu HC. **Lancet** 1982 Jul 31;2(8292):252–5
Antibiotic prophylaxis of childhood appendicectomy infection. Wright JE. **Med J Aust** 1981 Aug 22;2(4):207–8
Antimicrobial prophylaxis for surgery. **Med Lett Drugs Ther** 1981 Sep 4;23(18):77–80
Surgical wound infections at the Minneapolis Veterans Administration Medical Center. Olson M, et al. **Minn Med** 1982 Apr;65(4):255–8
The effect of povidone-iodine on postoperative wound infection in abdominal surgery. Kothuis BJ. **Neth J Surg** 1981 Oct;33(4):186–9
Intraoperative antibiotic prophylaxis in neurosurgery: a clinical study. Quartey GR, et al. **Neurosurgery** 1981 Jun; 8(6):669–71
A trial of prophylactic cefamandole in extended gynecologic surgery. Creasman WT, et al. **Obstet Gynecol** 1982 Mar; 59(3):309–14
Prophylactic antibiotics in vaginal hysterectomy: a review. Hamod KA, et al. **Obstet Gynecol Surv** 1982 Apr; 37(4):207–16 (53 ref.)
Tinidazole as a prophylactic agent in hysterectomy: a clinical and pharmacokinetic comparison with metronidazole. Seligman SA. **Pharmatherapeutica** 1981;3(1):67–70
The role of iodine-releasing silicone implants in prevention of spherical contractures in mice. Birnbaum LM, et al. **Plast Reconstr Surg** 1982 Jun;69(6):956–61
The evaluation of cefuroxime in the prevention of postoperative infection. Croton RS, et al. **Postgrad Med J** 1981 Jun;57(668):363–5
Wound infection surveillance. Cruse P. **Rev Infect Dis** 1981 Jul–Aug;3(4):734–7
Antibiotic use on the surgical services of two Jerusalem hospitals, as determined by surveillance and influenced by an intervention program. Shapiro M, et al. **Rev Infect Dis** 1981 Jul–Aug;3(4):754–9
High-dose penicillin to prevent postoperative wound sepsis after ileocolorectal operations. Raahave D. **Scand J Gastroenterol** 1981;16(6):789–93
Short time prophylaxis with ornidazole in elective colo-rectal surgery. Hoel R, et al. **Scand J Infect Dis** 1982;14(2):135–8
Preoperative hair removal: a random prospective study of shaving versus clipping. Balthazar ER, et al. **South Med J** 1982 Jul;75(7):799–801
Prevention and management of infected prostheses. Talkington CM, et al. **Surg Clin North Am** 1982 Jun; 62(3):515–30
A prospective, randomized, double blind study of preventive cefamandole therapy in patients at high risk for undergoing cholecystectomy. Crenshaw CA, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):546–52
Povidone-iodine irrigation of the subcutaneous tissue to prevent surgical wound infections. de Jong TE, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):221–4
The role of systemic antibiotics in operations upon the colon. Mehigan D, et al. **Surg Gynecol Obstet** 1981 Oct; 153(4):573–6
Reduction of surgical wound infection rates in contaminated wounds treated with antiseptics combined with systemic antibiotics: an experimental study. Galland RB, et al. **Surgery** 1982 Mar;91(3):329–32
The role of topical antibiotics in 'high-risk' biliary surgery. Pitt HA, et al. **Surgery** 1982 May;91(5):518–24
Prophylactic perioperative antibiotics in contaminated head and neck surgery. Brand B, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring; 35(1):51–4
Principles of antimicrobial prophylaxis. Burdon DW. **World J Surg** 1982 May;6(3):262–7
Antimicrobial prophylaxis in appendectomy patients. Gottrup F, et al. **World J Surg** 1982 May;6(3):306–11
Prevention and treatment of infection in colorectal surgery. Keighley MR. **World J Surg** 1982 May;6(3):312–20
A rational approach to antibiotic prophylaxis in surgery. Keighley MR. **World J Surg** 1982 May;6(3):327–9
Antibiotic prophylaxis in 'clean' surgical procedures. Strachan C. **World J Surg** 1982 May;6(3):273–80 (57 ref.)
Clinical trials of antimicrobials in surgery. Watts JM, et al. **World J Surg** 1982 May;6(3):321–6
Perforated appendicitis in children: use of metronidazole for the reduction of septic complications. Puri P, et al. **Z Kinderchir** 1981 Feb;32(2):111–5
[Preventive treatment with metronidazole in cesarean section] Felbo M, et al. **Ugeskr Laeger** 1981 Aug 24; 143(35):2239–40 **(Dan)**
[Preventive antibiotic therapy in appendectomy [letter)] Lose G, et al. **Ugeskr Laeger** 1981 Oct 26;143(44):2899–900 **(Dan)**
[Antibiotic prevention in surgical gastroenterology. IV. Appendectomy] Moesgaard F, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1830–2 (35 ref.) (Eng. Abstr.) **(Dan)**
[Antibiotic prevention in surgical gastroenterology. II. Biliary surgery] Nielsen ML, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1823–6 (43 ref.) (Eng. Abstr.) **(Dan)**
[Antibiotic prevention in surgical gastroenterology. III. gastric surgery] Nielsen ML, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1826–9 (23 ref.) (Eng. Abstr.) **(Dan)**
[Antibiotic prevention in surgical gastroenterology. I. Principles for prevention of endogenous wound infection] Scheibel JH, et al. **Ugeskr Laeger** 1981 Jul 13; 143(29):1820–3 (43 ref.) (Eng. Abstr.) **(Dan)**
[Postoperative wound infections] Jongsma CK, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1176–9 (Eng. Abstr.) **(Dut)**
[Postoperative instillation of an antibiotic solution in abdominal incisions for colectomy (author's transl)] Alle JL, et al. **Rev Med Brux** 1981 Nov;2(9):835–8 (Eng. Abstr.) **(Fre)**
[Prophylaxis of wound infection by peroperative lavage with antimicrobial agents (author's transl)] Alle JL, et al. **Rev Med Brux** 1981 Nov;2(9):839–43 (Eng. Abstr.) **(Fre)**
[The Vickers surgical isolator in bone surgery (author's transl)] El Banna S, et al. **Rev Med Brux** 1981 Nov; 2(9):845–50 (Eng. Abstr.) **(Fre)**
[Prevention of postoperative infections. Our experience at the Surgical Service of the Charles Nicolle Hospital] Skouri H, et al. **Tunis Med** 1981 Sep–Oct;59(5):377–81 **(Fre)**
[Antibiotic prophylaxis in general surgery] Kiss J, et al. **Acta Chir Acad Sci Hung** 1980;21(4):279–300 (222 ref.) (Eng. Abstr.) **(Ger)**
[Clean field experience in the operating room – bacteriological studies] Junginger T, et al. **Chirurg** 1982 Mar;53(3):172–5 (Eng. Abstr.) **(Ger)**
[Antibiotic prophylaxis in colorectal surgery: is there a drug of choice?] Kusche J, et al. **Chirurg** 1981 Sep;52(9):577–85 (Eng. Abstr.) **(Ger)**
[Bacterial contamination of osteosynthesis material. Comparison between a sterile compartment and the conventional operating room] Rothe HU, et al. **Chirurg** 1982 Jan;53(1):51–4 (Eng. Abstr.) **(Ger)**
[Local infection prophylaxis with nebacetin in neurosurgical procedures] Klein HJ, et al. **Fortschr Med** 1981 Aug 27; 99(31–32):1262–4 (Eng. Abstr.) **(Ger)**
[Antibiotic prophylaxis with cephalosporins in heart surgery] Reichart B, et al. **Fortschr Med** 1981 Aug 13;99(30):1159–62 (Eng. Abstr.) **(Ger)**
[Perioperative antibiotic prophylaxis with cefamandole before appendectomy. A prospective randomized double-blind study] Wayand W, et al. **Fortschr Med** 1982 Feb 4;100(5):190–4 (Eng. Abstr.) **(Ger)**
[Metronidazole prophylaxis for vaginal hysterectomy (author's transl)] Gerstner G, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):269–72 (Eng. Abstr.) **(Ger)**
[Antibiotic prophylaxis in elective colon surgery: comparison of the combination of metronidazole (Flagyl)/cefazolin (Kefzol) with cefazolin alone] Ammann J, et al. **Helv Chir Acta** 1981 Apr;48(1–2):235–42 (Eng. Abstr.) **(Ger)**
[Immunoglobulins in Surgery (author's transl)] Gierhake FW. **Immun Infekt** 1981 Sep;9(5):162–9 **(Ger)**
[Infection prophylaxis with cefamandole in heart and vascular surgery] Scheld HH, et al. **Med Welt** 1981 Nov 13;32(46):1751–2 **(Ger)**
[Prospective study on the prevention of wound infections after appendectomy for acute appendicitis] Amgwerd R, et al. **Schweiz Med Wochenschr** 1981 Aug 29; 111(35):1269–73 (Eng. Abstr.) **(Ger)**
[Disorders in wound healing in inguinal hernia—comparison between outpatient and hospital surgery] Michelsen M, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):298–9 **(Ger)**
[Laminar flow in the operating room (author's transl)] Böhler J. **Zentralbl Chir** 1982;107(1):1–5 (Eng. Abstr.) **(Ger)**
[Vaginal hysterectomy] Bukovsky I, et al. **Harefuah** 1981 Mar 1;100(5):216–8 (Eng. Abstr.) **(Heb)**
[Metronidazole in the prevention of postappendectomy wound infection] Slutzki S, et al. **Harefuah** 1981 Aug; 101(3–4):49–51 (Eng. Abstr.) **(Heb)**
[The value of parenteral antibiotics in the prevention of septic complications of colonic surgical procedures] Nagy A, et al. **Orv Hetil** 1982 Mar 21;123(12):713–7 **(Hun)**
[Short-term prevention of surgical infections with antibiotics. Preliminary results of a controlled clinical experimentation] Germiniani R, et al. **Minerva Chir** 1982 Mar 15;37(5):487–90 **(Ita)**
[Importance of surgical gowns and drapes as barriers for prevention of postoperative infections] Moylan JA, et al. **Minerva Chir** 1981 Oct 31;36(20):1365–72 (Eng. Abstr.) **(Ita)**
[Antibiotic prophylaxis in surgical patients] Samori G, et al. **Minerva Chir** 1982 Apr 15;37(7):649–55 (Eng. Abstr.) **(Ita)**
[Antibiotic prophylaxis in general surgery. Clinical evaluation of 3 different therapeutic regimens] Nahum M, et al. **Minerva Med** 1982 Sep 8;73(34):2169–78 (Eng. Abstr.) **(Ita)**
[Clinical findings of cefoxitin in the treatment of serious infections and the prevention of postoperative infections (author's transl)] Ito H, et al. **Jpn J Antibiot** 1981 Sep; 34(9):1307–12 (Eng. Abstr.) **(Jpn)**
[Clinical experience with cefoxitin in surgical field (author's transl)] Iwasa H, et al. **Jpn J Antibiot** 1981 Jun;34(6):828–31 **(Jpn)**
[The study of washing operative wound with amikacin sulfate solution in the orthopedic surgery] Kumano K, et al. **Jpn J Antibiot** 1981 Dec;34(12):1583–7 (Eng. Abstr.) **(Jpn)**
[The penetration of cefazolin into the bone and hematoma prophylactically used for injection after hip surgery (author's transl)] Saito H, et al. **Jpn J Antibiot** 1981 Sep; 34(9):1292–8 **(Jpn)**
[Infections in neurosurgery] Mello LR, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):54–66 (Eng. Abstr.) **(Por)**
[Use of hyperbaric oxygenation for prophylaxis of surgical wound infections in patients with acquired heart diseases] Didenko VM, et al. **Grudn Khir** 1981 Sep–Oct;(5):25–8 **(Rus)**
[Effect of methyluracil on the course of the postoperative period after herniotomy and appendectomy] Marfin BI, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):15–7 (Eng. Abstr.) **(Rus)**
[Suppurative infection in surgery (the status of the problem and the immediate tasks)] Struchkov VI. **Khirurgiia (Mosk)** 1981 Dec;(12):12–6 **(Rus)**
[Prevention of wound suppuration with decamethoxine after the excision of pararectal and epithelial coccygeal cysts] Klimenko AN, et al. **Klin Khir** 1982 Feb;(2):24–5 (Eng. Abstr.) **(Rus)**
[Immunologic prevention and treatment of wound infection in open fractures and osteomyelitis] Bialik IF, et al. **Ortop Travmatol Protez** 1981 Aug;(8):17–21 (Eng. Abstr.) **(Rus)**
[Role and objectives of the microbiological service of a traumatology-orthopedic clinic] Mel'nikova VM. **Ortop Travmatol Protez** 1982 Mar;(3):56–60 **(Rus)**
[Wound lavage and primary skin plasty in open fractures of the long bones] Vitiugov IA, et al. **Ortop Travmatol Protez** 1981 Aug;(8):14–7 (Eng. Abstr.) **(Rus)**
[Prevention of postoperative suppuration and the treatment of suppurative wounds by ultrasonic cavitation] Oganesian MA. **Vestn Khir** 1982 May;128(5):56–7 (Eng. Abstr.) **(Rus)**
[Metronidazole in prevention and treatment of wound infection] Sazhin VP, et al. **Vestn Khir** 1981 Dec; 127(12):14–5 (Eng. Abstr.) **(Rus)**
[Control of surgical wound infection after appendectomy by primary delayed suture] Milišić D. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):43–4 **(Scr)**
[New routines for prevention of postoperative infections. A review] Tunevall G. **Lakartidningen** 1981 Sep 2;

78(36):3035–7 (Eng. Abstr.) **(Swe)**

RADIOGRAPHY

CT diagnosis of aortic graft infections. Allgayer B, et al. **Eur J Radiol** 1982 Feb;2(1):31–2

[Early radiographic diagnosis in infected total hip prostheses] Rodriguez Martí L, et al. **Rev Clin Esp** 1982 Jan 15; 164(1):29–32 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

White cell scanning pinpoints infections [news] Gunby P. **JAMA** 1982 Feb 12;247(6):737–8

SURGERY

Infected epicardial pacemaker systems. Partial versus total removal. Choo MH, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):794–6

The pectoralis major myocutaneous flap and omental transposition for closure of infected median sternotomy wounds. Herrera HR, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):465–70

Pectoralis major muscle turnover flaps for closure of the infected sternotomy wound with preservation of form and function. Nahai F, et al. **Plast Reconstr Surg** 1982 Oct; 70(4):471–4

Skin autografts to cover exposed renal allografts. Paley D, et al. **Surgery** 1981 Nov;90(5):910–3

Procedure for infected femoral shunts [letter] Thomas GI. **Surgery** 1982 Jan;91(1):115–6

Sternal wound infection after resection of left ventricular aneurysm. Case report. Leitz KH, et al. **Thorac Cardiovasc Surg** 1981 Oct;29(5):293–5

[An unusual case of infection of an arterial reconstruction in the inguinal region in a paraplegic child treated by a bypass through the obturator canal] Spatenka J, et al. **Rozhl Chir** 1982 Jun;61(6):415–21 (Eng. Abstr.) **(Cze)**

[Revisions in infected total endoprostheses of the hip with refobacin-Palacos R] Lang K, et al. **Med Welt** 1981 Oct 16;32(42):1572–3 **(Ger)**

[Restoration of a posttraumatic osteitic cavity with pedicled M. sartorius] Zeidler G. **Zentralbl Chir** 1982;107(1):42–5 **(Ger)**

THERAPY

Report of a prospective trial of dextranomer beads (Debrisan) and silicone foam elastomer (Silastic) dressings in surgical wounds. Young HL, et al. **Br J Surg** 1982 Jan;69(1):33–4

Wound infection: a review of diagnosis and treatment. Simmons RL. **Infect Control** 1982 Jan–Feb;3(1):44–51 (11 ref.)

Sternal infection after cardiac transplantation. Successful salvage utilizing a variety of techniques. Pearl SN, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):632–4

Microbial colonisation of cerebrospinal fluid shunts. Bayston R. **Med Lab Sci** 1981 Jul;38(3):259–67 (31 ref.)

Abdominal sepsis managed by leaving abdomen open. Duff JH, et al. **Surgery** 1981 Oct;90(4):774–8

Comparison between irrigation and conventional treatment for empyema and pneumonectomy space infection. Rosenfeldt FL, et al. **Thorax** 1981 Apr;36(4):272–7

[Transvenous retrieval of endocardial pacemaker electrode fragments (author's transl)] Grosse-Heitmeyer W, et al. **Herz** 1982 Jun;7(3):198–201 (Eng. Abstr.) **(Ger)**

[Procedure in the treatment of suppuration after hip joint prosthesis] Kulish NI, et al. **Ortop Travmatol Protez** 1982 Feb;(2):27–31 (Eng. Abstr.) **(Rus)**

[Experience in the therapeutic use of bacteriophage preparations in suppurative surgical infections] Peremitina LD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep; (9):109–10 **(Rus)**

[Use of septopal in plastic surgery] Mariš F. **Rozhl Chir** 1981 Nov;60(11):777–81 (Eng. Abstr.) **(Slo)**

TRANSMISSION

[Epidemiology of nosocomial clostridial myonecrosis (gas gangrene) (author's transl)] Závadová M. **Zentralbl Chir** 1981;106(13):873–81 (Eng. Abstr.) **(Ger)**

VETERINARY

Tissue reaction to suture materials in infected surgical wounds—a histopathologic evaluation. Varma S, et al. **Am J Vet Res** 1981 Apr;42(4):563–70

[Prophylactic use of antibiotics in surgery] Klein WR. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):771–2 **(Dut)**

[Ovario-hysterectomy in the dog (letter)] van den Bogaard A. **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):147–50 **(Dut)**

[Ovario-hysterectomy in dogs. II. (letter)] van den Bogaard A. **Tijdschr Diergeneeskd** 1982 Mar 1;107(5):191–2 **(Dut)**

[B-lymphocytes in the peripheral blood of healthy cattle and in various gynecological and obstetrical cases] Nowacki W. **Pol Arch Weter** 1981;23(1):79–87 (Eng. Abstr.) **(Pol)**

SURGICENTERS

Freestanding surgical care facilities. Reed WA. **Int Anesthesiol Clin** 1982 Spring;20(1):109–23

ECONOMICS

A freestanding ambulatory surgical unit: a success or failure? Wolff J, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):270–6

ORGANIZATION & ADMINISTRATION

Ambulatory surgery growing at rapid pace. Burns LA. **AORN J** 1982 Feb;35(2):260–70

Facility design for outpatient surgery and anesthesia. Burn JM. **Int Anesthesiol Clin** 1982 Spring;20(1):135–51

STANDARDS

Freestanding surgical care facilities. Reed WA. **Int Anesthesiol Clin** 1982 Spring;20(1):109–23

SURVEY METHODS see **DATA COLLECTION**

SURVIVAL

Survivors of the Nazi holocaust. Chodoff P. **Child Today** 1981 Sep–Oct;10(5):2–5

Differing adaptational styles in families of survivors of the Nazi holocaust. Danieli Y. **Child Today** 1981 Sep–Oct; 10(5):6–10

The Group Project for holocaust survivors and their children. Danieli Y. **Child Today** 1981 Sep–Oct;10(5):11, 33

Observations on the First International Conference on Children of Holocaust Survivors. Peskin H. **Fam Process** 1981 Dec;20(4):391–4

Emotional aftershock takes its toll: Kansas City disaster haunts the survivors. Beales EH. **Hospitals** 1981 Oct 16; 55(20):26–7

Survivors of the holocaust and their children: current status and adjustment. Leon GR, et al. **J Pers Soc Psychol** 1981 Sep;41(3):503–16

Preventing the last epidemic: II. Hiatt HH. **JAMA** 1981 Nov 6;246(18):2035–6

Themes of culture and ancestry among children of concentration camp survivors. Heller D. **Psychiatry** 1982 Aug;45(3):247–61

Extreme traumatization as cumulative trauma. Psychoanalytic investigations of the effects of concentration camp experiences on survivors and their children. Grubrich-Simitis I. **Psychoanal Study Child** 1981; 36:415–50

[Metabolic characteristics in nutrition with low-calorie 'survival' diets containing only readily assimilated carbohydrates] Popov IG, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):16–25 (Eng. Abstr.) **(Rus)**

SUSPENSIONS

Conductivity studies of suspension systems in different states of aggregation. Ecanow B, et al. **J Pharm Sci** 1982 Apr; 71(4):456–7

[Effect of colloidal stabilizing agents on the rheologic properties of a suspension] Dondi G, et al. **Boll Chim Farm** 1981 Oct;120(10):606–17 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Dental caries potential of liquid medications. Feigal RJ, et al. **Pediatrics** 1981 Sep;68(3):416–9

SUSTAINED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

SUTURE TECHNICS

Closure of the abdominal wound with single-layer and double-layer technique. Animal studies. Nilsson T. **Acta Chir Scand** 1981;147(6):399–403

A new technique for closing abdominal incisions in patients with poor wound healing. Boissel P, et al. **Am J Surg** 1982 Mar;143(3):380–1

Single layer suture by manual or mechanical stapling technique in esophagojejunostomy after total gastrectomy. Sannohe Y, et al. **Am J Surg** 1981 Sep;142(3):403–6

Intestinal anastomosis with one-layer absorbable suture. McDonald CC, et al. **Am Surg** 1981 Oct;47(10):439–40

Treatment of acute otohematoma with compression sutures. Savage R, et al. **Ann Emerg Med** 1981 Dec;10(12):641–2

Further evolution of the grasping technique for tendon repair. Kim SK. **Ann Plast Surg** 1981 Aug;7(2):113–9

The advantages of stay sutures with tracheostomy. Burke A. **Ann R Coll Surg Engl** 1981 Nov;63(6):426–8

Permanent atrial electrode placement. Gordon R, et al. **Ann Thorac Surg** 1982 Jan;33(1):86–7

Safer insertion of Ionescu-Shiley valves in the atrioventricular position. Morritt GN, et al. **Ann Thorac Surg** 1982 Jan;33(1):94–5

The surgeon's role in wound healing. Yordan EL Jr, et al. **AORN J** 1982 May;35(6):1078–82

Results of penetrating keratoplasty using a double running suture technique. Davison JA, et al. **Arch Ophthalmol** 1981 Sep;99(9):1591–5

Cul-de-sac approach to adjustable strabismus surgery. Nelson LB, et al. **Arch Ophthalmol** 1982 Aug;100(8):1305–7

Skin grafts: the 'unsuture' technique. Thomas JR, et al. **Arch Otolaryngol** 1982 Jul;108(7):437–8

Effect of suture technique on arterial anastomotic compliance. Klein SR, et al. **Arch Surg** 1982 Jan;117(1):45–7

Difficult aortic stump closure. Strodel WE, et al. **Arch Surg** 1982 Jul;117(7):980–1

An adjustable slip knot for monofilament sutures. Thomson GB. **Aust J Ophthalmol** 1981 May;9(2):170–2

Double purse string suture technique for loop colostomy prolapse in infants. Lau JT, et al. **Aust Paediatr J** 1982 Mar;18(1):58–9

Mechanical sutures on colon and rectal surgery. Steichen FM. **Br J Clin Pract** 1981 May;35(5):173–82

Cervical suture in Scotland: strengths and weaknesses in the use of routine clinical summaries. Cole SK. **Br J Obstet Gynaecol** 1982 Jul;89(7):528–35

A method of closing urethral fistulae using a purse-string or interrupted silk sutures. Fatah MF. **Br J Plast Surg** 1982 Jan;35(1):102–3

The temporary stent technique: an easier method of micro-venous anastomosis. Wei FC, et al. **Br J Plast Surg** 1982 Jan;35(1):92–5

Incisional hernia after mass closure of abdominal incisions with Dexon and Prolene [letter] Johnson CD, et al. **Br J Surg** 1982 Jan;69(1):55

Compression suture of the abdominal wall: a controlled trial in 302 major laparotomies. Mayer AD, et al. **Br J Surg** 1981 Sep;68(9):632–4

Skin closure of inguinal herniorrhaphy wounds in short-stay patients. Ralphs DN, et al. **Br J Surg** 1982 Jun;69(6):341–2

Removable subcuticular skin suture in acute appendicitis: a prospective comparative clinical trial. Hopkinson GB, et al. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):869

Edentulous area modification of the continuous sling suture. Oles RD. **Can Dent Assoc J** 1981 Jun;47(6):375–6

Epineurial nerve suture. Braun RM. **Clin Orthop** 1982 Mar; (163):50–6

Fascicular nerve suture. Urbaniak JR. **Clin Orthop** 1982 Mar; (163):57–64

Technique for placement of distal purse string. Moseson MD, et al. **Dis Colon Rectum** 1982 Jan–Feb;25(1):59–60

Telescoping suture. Chunprapaph B, et al. **Hand** 1981 Jun; 13(2):211–3

Interfascicular suture with nerve autografts for median, ulnar and radial nerve lesions. Pluchino F, et al. **Ital J Neurol Sci** 1981 May;2(2):139–46

Treatment of dural tears associated with spinal surgery. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1981 Sep; 63A(7):1132–6

The Bankart procedure modified by the use of prolene pull-out sutures. Reider B, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):628–9

Continuous suture technique in prosthetic aortic valve replacement. Hjelms E, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):145–8

Repair of split earlobes. A review and a new technique. Harahap M. **J Dermatol Surg Oncol** 1982 Mar;8(3):187–91

Continuous-suture technique in microvascular end-to-end anastomosis. Man D, et al. **J Microsurg** 1981 Jun; 2(4):238–43

Closure of temporomandibular joint meniscoplasty with figure-of-eight vertical mattress suture. Bronstein SL. **J Oral Maxillofac Surg** 1982 Apr;40(4):248–50

Facial nerve sutures: epineural vs. perineural sutures. Rouleau M, et al. **J Otolaryngol** 1981 Oct;10(5):338–42

The suture fistula technique in the repair of selected cases of esophageal atresia. Schullinger JN, et al. **J Pediatr Surg** 1982 Jun;17(3):234–6

Technical hint to correct loose anastomoses [letter] Grondin PR, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):939–40

'How I do it'—plastic surgery. Practical suggestions on facial plastic surgery. Microneural techniques for nerve grafting. Hagan WE. **Laryngoscope** 1981 Oct;91(10):1759–66

Suturing techniques in endolaryngeal surgery. Kirchner FR. **Laryngoscope** 1981 Nov;91(11):1860–4

Continuous suture method for microvascular anastomosis: technical note. Peerless SJ, et al. **Neurosurgery** 1981 Jun; 8(6):695–8

Pubourethral supports in perspective: modified pereyra procedure for urinary incontinence. Pereyra AJ, et al. **Obstet Gynecol** 1982 May;59(5):643–8

Dog-ear repair. Borges AF. **Plast Reconstr Surg** 1982 Apr; 69(4):707–13

Use of a continuous suture for back wall repair of end-to-end or end-to-side anastomoses. Harashina T. **Plast Reconstr Surg** 1982 Jan;69(1):139–44

A method for securing vomerine flaps to the hard palate in the repair of a complete cleft palate. Hirshowitz B, et al. **Plast Reconstr Surg** 1982 Jan;69(1):132–3

The trifurcation headache [letter] Pacik PT. **Plast Reconstr Surg** 1981 Dec;68(6):975

Blood flow and scanning electron microscope study on venous microvascular anastomoses with Nakayamas apparatus and manual suture. Lidman D, et al. **Scand J Plast Reconstr Surg** 1981;15(2):97–101

Relaxation sutures for the oesophageal end-to-end anastomosis. Kullendorff CM, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):103–6

A simple tie-over-bolus dressing for skin grafts. Christ JE. **Surg Gynecol Obstet** 1982 Feb;154(2):246–7

A comparative study between Z-plasty and incision and drainage or excision with marsupialization for pilonidal sinuses. Hodgson WJ, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):842–4

Rotated intestinal anastomoses. LaCalle JP, et al. **Surg Gynecol Obstet** 1982 May;154(5):662–6

A sliding suture technique for inaccessible arterial anastomoses. McCollum CN, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):906–7

A technique for tying the short end of a continuous suture. Renardson RR, et al. **Surg Gynecol Obstet** 1982 Mar; 154(3):393

The true one-handed tie. Starzl TE, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):576

Experience with continuous absorbable suture in the closure of abdominal incisions. Wasiljew BK, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):378–80

Closure of right atriotomy: an alternative technique. Eufrate S, et al. **Thorac Cardiovasc Surg** 1982 Apr;30(2):120–1

[Presacral omental tamponage and primary perineal suture in radical resection of cancer of rectum (author's transl)] Chai ZP. **Chung Hua Wai Ko Tsa Chih** 1981 Oct; 19(10):580–1 (Eng. Abstr.) **(Chi)**

['Turning-out' suture versus enucleation method in treatment of ganglion (author's transl)] Wang DZ. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):492–3 (Eng. Abstr.) **(Chi)**

[5-year experience with the 2-stage suture] Avratová L, et al. **Cesk Gynekol** 1981 Apr;46(3):195–7 **(Cze)**

[Prostatectomy with primary suture of the urinary bladder] Capek J. **Rozhl Chir** 1982 Jan;61(1):62–4 (Eng. Abstr.) **(Cze)**

[Nerve regeneration. Experimental study in the dog, of 3 technics for nerve sutures] Venault B, et al. **Ann Chir Plast** 1981;26(4):347–54 (Eng. Abstr.) **(Fre)**

[Repair of canalicular injuries with monofilament – with or without intubation? Initial results] Adenis JP, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):681–2 (Eng. Abstr.) **(Fre)**

[Intraocular implantation – implant with iris fixation of the 2 anterior prolene loops – technic – results] Girard P. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):569–74 (Eng. Abstr.) **(Fre)**

[Technique of nerve suture] Bourrel P. **Med Trop (Mars)** 1982 Mar–Apr;42(2):221–2 **(Fre)**

[Modified, rapid intradermal continuous running suture (author's transl)] Bancaud B. **Nouv Presse Med** 1982 Jan 30;11(4):275–6 (Eng. Abstr.) **(Fre)**

[Comparative study of mechanical and manual suture of bronchial stumps in pneumonectomy (author's transl)] Bazelly B, et al. **Nouv Presse Med** 1981 Dec 5;10(44):3647–8 (Eng. Abstr.) **(Fre)**

[Suturing technique for calcified arteries (author's transl)] Mellière D, et al. **Nouv Presse Med** 1982 Jun 12; 11(28):2147–8 (Eng. Abstr.) **(Fre)**

[Epineurial nerve sutures and neurilemmatic sutures. Comparative clinical results about 109 cases (author's transl)] Bourrel P, et al. **Sem Hop Paris** 1981 Dec 18–25; 57(47–48):2015–23 (Eng. Abstr.) **(Fre)**

[Impairment of the restoration of motor function after delayed nerve suture] Richter HP. **Fortschr Med** 1982 Mar 11;100(10):414–8 (Eng. Abstr.) **(Ger)**

[The endoscopic intra-abdominal suture (author's transl)] Semm K. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):56–7 (Eng. Abstr.) **(Ger)**

[Primary flexor tendon suture] Wagner M, et al. **Handchirurgie** 1980;12(3–4):197–200 (Eng. Abstr.) **(Ger)**

[The flexor tendon suture] Wulle C. **Handchirurgie** 1981; 13(3–4):197–8 (Eng. Abstr.) **(Ger)**

[100 consecutive colon resections using a modified single-layer suture] Hell K. **Helv Chir Acta** 1982 Feb; 48(6):833–7 (Eng. Abstr.) **(Ger)**

[The technic of large intestine anastomoses] Nöthiger F, et al. **Helv Chir Acta** 1982 Feb;48(6):823–32 (Eng. Abstr.) **(Ger)**

[Modified trabeculectomy with scleral wick (author's transl)] Heilig P, et al. **Klin Monatsbl Augenheilkd** 1981 Oct; 179(4):271–3 (Eng. Abstr.) **(Ger)**

[Tissue gluten with special considerations of fibrin glue (author's transl)] Kessler B, et al. **Langenbecks Arch Chir** 1981;355:485–9 (Eng. Abstr.) **(Ger)**

[Suture technic in the surgery of the rectum] Otten G, et al. **Med Welt** 1981 Nov 27;32(48):1839–43 **(Ger)**

[Procedures in digital nerve injuries. Results of primary nerve sutures] Pfeiffer KM, et al. **Ther Umsch** 1981 Dec; 38(12):1201–7 (Eng. Abstr.) **(Ger)**

[Continuous removable sub- and intracutaneous sutures] Dlhoš P, et al. **Urologe [Ausg A]** 1981 Sep;20(5):282–3 (Eng. Abstr.) **(Ger)**

[Primary suturing of fresh fibular ligament ruptures--technic and results of 500 cases] Grob D, et al. **Z Unfallmed Berufskr** 1981;74(1–2):63–4 **(Ger)**

[Scanning electron microscopic study of the healing of microscopic vascular sutures (author's transl)] Réffy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):33–6 **(Hun)**

[Scanning electromicroscopic analysis of the technical faults of microscopic vascular sutures (author's transl)] Réffy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):108–11 **(Hun)**

[Terminoterminal arterial sutures in microsurgery: histological study] Fanfani F, et al. **Arch Putti Chir Organi Mov** 1980;30:155–61 **(Ita)**

[Technical considerations and preliminary experiences in the use of a mechanical suture apparatus in anastomoses of the digestive tract] Frontini L, et al. **Chir Ital** 1981 Dec; 33(6):1192–9 **(Ita)**

[Proposed simplified model of arterial microvascular anastomosis in the rat] Latteri S, et al. **Chir Patol Sper** 1980 Feb;28(1):1–7 **(Ita)**

[Experimental studies on the use of the mechanical suture device in bronchial stump closure] Arcerito S, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):31–8 (Eng. Abstr.) **(Ita)**

[Experience and results in low colo-rectal mechanical anastomosis in surgery of cancer of the rectum] Bezzi M, et al. **Minerva Chir** 1982 Mar 15;37(5):363–6 **(Ita)**

[Manual sutures and mechanical sutures in colorectal surgery] Olivero S, et al. **Minerva Chir** 1981 Nov 30;36(22):1523–8 **(Ita)**

[Manual and mechanical esophago-jejunal sutures in total transabdominal gastrectomy. Initial comparative data] Olivero S, et al. **Minerva Chir** 1981 Nov 15;36(21):1397–9 (Eng. Abstr.) **(Ita)**

[Monolayer suturing in surgery of the digestive tract] Rodolico G, et al. **Minerva Chir** 1982 Feb 28;37(4):229–33 **(Ita)**

[Current methods of preparation of the large intestine for resection operations and methods of monolayer suturing] Tesauro B. **Minerva Chir** 1982 Feb 28;37(4):223–8 **(Ita)**

[Surgical drapes with a rimmed opening used in mitral valve replacement] Takeuchi Y, et al. **Kyobu Geka** 1982; 35(6):464–5 **(Jpn)**

[An experimental study on the functional recovery of denervated muscles—effects of stump rotation in nerve suture (author's transl)] Nagano A. **Nippon Seikeigeka Gakkai Zasshi** 1981 Apr;55(4):345–55 (Eng. Abstr.) **(Jpn)**

[Intratendineous suture in experimental studies] Minta P. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):547–51 **(Pol)**

[Comparative evaluation of the suture technics in cervical rupture] Kalmanova LM, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):38–40 **(Rus)**

[Use of dacron cervical sutures for correction of the abnormal position of the chorion frondosum and the placenta] Liubimova AI, et al. **Akush Ginekol (Mosk)** 1982 Jan; (1):39–41 (Eng. Abstr.) **(Rus)**

[Method of reinforcing duodenal stump sutures in gastric resection] Mitasov IG, et al. **Khirurgiia (Mosk)** 1982 Mar; (3):22–4 (Eng. Abstr.) **(Rus)**

[Use of the greater omentum and Pi-shaped sutures for preventing eventration in liver cirrhosis patients] Beresnev AV, et al. **Klin Khir** 1981 Sep;(9):69–70 **(Rus)**

[Experimental evaluation of some types of interrupted intestinal suture] Khlopov NA, et al. **Klin Khir** 1982 Jan; (1):60–1 **(Rus)**

[Methods of reinforcing large intestine sutures and anastomoses with a vasculo-mesenteric complex] Komarov IA, et al. **Klin Khir** 1982 Feb;(2):43–4 **(Rus)**

[Suture technic variants in penetrating corneal injuries] Buzalo AF. **Oftalmol Zh** 1981;36(4):200–3 (Eng. Abstr.) **(Rus)**

[Inflammation and regeneration in the tissues of purulent wounds closed with primary sutures] Khanin AG, et al. **Sov Med** 1981;(11):105–8 **(Rus)**

[Method of suturing of blood vessels] Kushakovskiĭ OS. **Sov Med** 1982;(4):45–8 **(Rus)**

[Method of tying knots] Kubarikov AP. **Vestn Khir** 1982 Mar; 128(3):97–8 **(Rus)**

[Control of surgical wound infection after appendectomy by primary delayed suture] Milišić D. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):43–4 **(Scr)**

HISTORY

History of mechanical devices and instruments for suturing. Steichen FM, et al. **Curr Probl Surg** 1982 Jan;19(1):1–52

INSTRUMENTATION

The olderly control of multiple interrupted sutures: a new instrument. Gabbay S, et al. **Ann Thorac Surg** 1981 Oct; 32(4):420–2

Mechanical sutures in operations for neoplasia of the alimentary tract. Steichen FM, et al. **Int Adv Surg Oncol** 1982;5:197–244

Comparison of continuous and interrupted suture techniques in microvascular anastomosis. Lee BY, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):353–7

[Placing Gobin-Weiss loops in the absence of any special instrumentation] Coddé-Jolly D. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):913–5 **(Fre)**

[Delayed rupture of mechanically performed digestive tube suture (author's transl)] Daucé JP, et al. **J Chir (Paris)** 1982 Feb;119(2):141–2 (Eng. Abstr.) **(Fre)**

[Use of absorbable monofilament running sutures during cataract extraction (author's transl)] Cotineau J, et al. **J Fr Ophtalmol** 1981;4(6–7):483–6 (Eng. Abstr.) **(Fre)**

[Guiding tubes for transanal use of circular suture instruments (author's transl)] Vankemmel M. **Nouv Presse Med** 1982 Apr 17;11(18):1409–12 (Eng. Abstr.) **(Fre)**

[Mechanical sutures in digestive tract surgery] Olivero S, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):11–30 (Eng. Abstr.) **(Ita)**

[Resection-anastomosis with the EEA stapler for treatment of esophageal varices. Indications, technic and postoperative evaluation] Zannini G, et al. **Minerva Chir** 1982 Mar 15;37(5):339–46 **(Ita)**

[Intravascular plastic repair using the universal US-18 vascular suturing apparatus] Petrova NP. **Khirurgiia (Mosk)** 1982 Apr;(4):106–9 **(Rus)**

[Small ligation needle for use with everting sutures in liver surgery] Aslanian SA. **Klin Khir** 1982 Apr;(4):76–7 **(Rus)**

[Suturing apparatus for applying anastomoses in gastrointestinal surgery] Akopov EM, et al. **Med Tekh** 1981 Sep–Oct;(5):24–32 (Eng. Abstr.) **(Rus)**

[New generation of suturing apparatus] Kapitanov NN, et al. **Med Tekh** 1981 Sep–Oct;(5):20–4 (Eng. Abstr.) **(Rus)**

[Formation of the intestinal anastomosis using NZhKA-60 apparatus with silicone compressing fixators] Kanshin NN, et al. **Vestn Khir** 1981 Dec;127(12):52–7 (Eng. Abstr.) **(Rus)**

STANDARDS

Safety suture for removal of Choyce-style intraocular implants through a keratoplasty incision. Roper DL. **Contact Intraocular Lens Med J** 1981 Apr–Jun;7(2):159–64

Nylon sutures for wound closure in cataract operation. McPherson SD Jr. **Dev Ophthalmol** 1981;5:13–6

Application of the finite element analysis to determine forces and stresses in wound closing. DeHoff PH, et al. **J Biomech** 1981;14(8):549–54

Knot integrity of coated synthetic absorbable sutures used for extraocular muscle surgery in a rabbit model. Estes RL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb; 19(1):25–7

Complications associated with running 11-0 nylon suture in penetrating keratoplasty. Olson RJ. **Ophthalmic Surg** 1982 Jul;13(7):558–61

Lock suture for strabismus surgery. Shen IL. **Ophthalmic Surg** 1982 Feb;13(2):117–8

Management of subluxed posterior-chamber intraocular lenses. Stark WJ, et al. **Ophthalmic Surg** 1982 Feb; 13(2):130–3

Muscle surgery without scleral sutures. von Noorden GK. **Ophthalmic Surg** 1982 Feb;13(2):113–4

VETERINARY

Colonic anastomosis: evaluation of an end-to-end crushing and inverting technique. Richardson DC, et al. **Am J Vet Res** 1982 Mar;43(3):436–42

Small intestinal anastomosis and preparation of intestinal loops in the rabbit. Toofanian F, et al. **Lab Anim Sci** 1982 Feb;32(1):80–2

SUTURES

Randomised trial comparing Proximate stapler with conventional skin closure. Eldrup J, et al. **Acta Chir Scand** 1981;147(7):501–2

Polyglycolic acid, Dexon subcuticular suture in paediatric orthopaedic surgery. Fasting OJ, et al. **Acta Chir Scand** 1981;147(7):509–11

The relative importance of Vicryl and Prolene sutures to the strength of healing abdominal wounds. Nilsson T. **Acta Chir Scand** 1981;147(7):503–7

Skin closure in abdominal incisions. Continuous nylon suture versus Steristrip Tapesuture : a controlled trial. Pedersen VM, et al. **Acta Chir Scand** 1981;147(8):619–22

Further studies with polyglycolic acid (Dexon) and other sutures in infected experimental wounds. Varma S, et al. **Am J Vet Res** 1981 Apr;42(4):571–4

Absorbable suture materials for vascular anastomoses. Tensile strength and axial pressure studies using polyglycolic acid sutures. Ross G, et al. **Am Surg** 1981 Dec;47(12):541–7

Suture material and static electricity. Noe JM, et al. **Ann Plast Surg** 1982 Feb;8(2):179–8

A comparison of the effect of pH on the biodegradation of two synthetic absorbable sutures. Chu CC. **Ann Surg** 1982 Jan;195(1):55–9

Fracture of polypropylene suture [letter] Cornel G. **Ann Thorac Surg** 1982 Jun;33(6):641

Suture tension in shouldice's hernioplasty. Wantz GE. **Arch Surg** 1981 Sep;116(9):1238–9

Single-layer continuous colorectal anastomosis. Bailey HR, et al. **Aust NZ J Surg** 1981 Oct;51(5):473–6

The resistance of polyglycolic acid sutures to attack by infected human urine. Holbrook MC. **Br J Urol** 1982 Jun; 54(3):313–5

Removable subcuticular skin suture in acute appendicitis: a prospective comparable clinical trial [letter] **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1195

The influence of progesterone treatment on the course and outcome of pregnancies following suture of the cervix for cervical incompetence. Zakut H, et al. **Clin Exp Obstet Gynecol** 1981;8(1):1–5

Abdominal wound closure without peritoneal suture. Kapur BM. **Indian J Med Res** 1982 Feb;75:281–6

Ureteric stone formed upon polyester suture: case report. Androulakakis P, et al. **Int Surg** 1982 Jan–Mar;67(1):83–4

Scanning electron microscopic study of the hydrolytic degradation of poly(glycolic acid) suture. Chu CC, et al. **J Biomed Mater Res** 1982 Jul;16(4):417–30

The in-vitro degradation of poly(glycolic acid) sutures--effect of pH. Chu CC. **J Biomed Mater Res** 1981 Nov;15(6):795–804

The effect of pH on the in vitro degradation of poly(glycolide lactide) copolymer absorbable sutures. Chu CC.

J Biomed Mater Res 1982 Mar;16(2):117–24

Unusual foreign body reaction to a braided silk suture: a case report. Manor A, et al. **J Periodontol** 1982 Feb;53(2):86–8

Polydioxanone: a new synthetic absorbable suture. Berry AR, et al. **J R Coll Surg Edinb** 1981 May;26(3):170–2

Abdominal wound closure: choice of suture. Bucknall TE. **J R Soc Med** 1981 Aug;74(8):580–5

Use of monofilament polyglycolic acid suture for experimental peripheral nerve repair. Bratton BR, et al. **J Surg Res** 1981 Dec;31(6):482–9

The biologic response to standard suture materials in the skin of fetal rabbits. Santoro S, et al. **J Surg Res** 1982 Sep; 33(3):258–64

Effectiveness of penicillin irrigation in control of infection in sutured lacerations. Lindsey D, et al. **J Trauma** 1982 Mar;22(3):186–9

Assessing ureteral wound healing by pressure flow technique. Smith MW, et al. **J Urol** 1982 Apr;127(4):791–4

Coated polyglactin 910—a new synthetic absorbable suture. Kobayashi H, et al. **Jpn J Surg** 1981;11(6):467–75

Wounds treated by the healing of delayed primary closure: a clinical study. Shepard GH. **Milit Med** 1981 Jul; 146(7):473–5

Impairment of motor recovery after late nerve suture: experimental study in the rabbit. Part 1: functional and electromyographic findings. Richter HP. **Neurosurgery** 1982 Jan;10(1):70–4

Impairment of motor recovery after late nerve suture: experimental study in the rabbit. Part 2: morphological findings. Ritcher HP, et al. **Neurosurgery** 1982 Jan; 10(1):75–85

Absorbable or nonabsorbable suture materials for closure of the dura mater? Vällfors B, et al. **Neurosurgery** 1981 Oct; 9(4):407–13

A method for preventing suture entrapment on the Iliff–Park eyelid speculum. Roper DL. **Ophthalmic Surg** 1982 Mar; 13(3):241–2

Polypropylene. Clayman HM. **Ophthalmology (Rochester)** 1981 Sep;88(9):959–64

Polyethylene terephthalate (Dacron) in intraocular surgery. Jaffe NS. **Ophthalmology (Rochester)** 1981 Sep;88(9):955–8

Nylon in the anterior chamber. Kronenthal RL. **Ophthalmology (Rochester)** 1981 Sep;88(9):965–7

Pseudo–fracture of pacemaker lead due to securing suture: a case report. Witte AA. **PACE** 1981 Nov;4(6):716–8

'Staying power'—absorbable vs. nonabsorbable. Birdsell DC, et al. **Plast Reconstr Surg** 1981 Nov;68(5):742–5

An experimental comparison of the different kinds of muscle reinnervation: nerve suture, nerve implantation, and muscular neurotization. Frey M, et al. **Plast Reconstr Surg** 1982 Apr;69(4):656–69

Suture removal in babies following cleft lip repair [letter] Tolhurst DE, et al. **Plast Reconstr Surg** 1982 Jun;69(6):1027

Stitches in the proper place. Binnie GA. **Practitioner** 1982 Jun;226(1368):1140–2

A comparison of a disposable skin stapler and nylon sutures for wound closure. Meiring L, et al. **S Afr Med J** 1982 Sep 4;62(11):371–2

Mechanical properties of Prolene and Ethilon sutures after three weeks in vivo. Nilsson T. **Scand J Plast Reconstr Surg** 1982;16(1):11–5

Mechanical properties of Prolene, Ethilion and surgical steel loops. Nilsson T. **Scand J Plast Reconstr Surg** 1981; 15(2):111–5

Stone formation on silk suture after choledochoduodenostomy. Lewis JW, et al. **South Med J** 1981 Oct;74(10):1280–1

Primary abdominal wound closure with permanent, continuous running monofilament sutures. Archie JP Jr, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):721–2

Polydioxanone (PDS), a novel monofilament synthetic absorbable suture. Ray JA, et al. **Surg Gynecol Obstet** 1981 Oct;153(4):497–507

Experience with continuous absorbable suture in the closure of abdominal incisions. Wasiljew BK, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):378–80

Calcification on chromic suture. Norris MA, et al. **Urology** 1982 Aug;20(2):172–3

Clinical experience with vasovasostomy utilizing absorbable intravasal stent. Redman JF. **Urology** 1982 Jul;20(1):59–61

Studies in the healing of intestinal anastomoses. Ravitch MM, et al. **World J Surg** 1981 Jul;5(4):627–37

[Use of Bulgarian antibacterial polycaproamide cloth and thread in experimental liver resections] Penchev R, et al. **Khirurgiia (Sofiia)** 1982;35(1):41–50 (Eng. Abstr.) **(Bul)**

[Synthetic absorbable suture material] Lorentzen M, et al. **Ugeskr Laeger** 1981 Dec 14;143(51):3443–6 (Eng. Abstr.) **(Dan)**

[An experimental study of 'slowly resorbed suture material' in the tracheal sutures (author's transl)] Sezeur A, et al. **Ann Chir** 1982 Feb;36(2):121–5 (Eng. Abstr.) **(Fre)**

[Complications caused by prolene] Turut P, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):601–3 **(Fre)**

[Mechanical sutures in surgery: account of 11 years use] Risch F, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1980;117(2):13–21 **(Fre)**

[In vivo alterations in intra–ocular suture materials (author's transl)] Montard RJ. **J Fr Ophtalmol** 1981;4(5):375–8 (Eng. Abstr.) **(Fre)**

[Comparative study of virgin silk and polyglachine (Dexon) corneal sutures in rabbits (author's transl)] Theodossiadis G, et al. **J Fr Ophtalmol** 1981;4(11):747–9 (Eng. Abstr.) **(Fre)**

[A comparative study of salpingotomies with or without suture. An experimental microsurgical research carried out on rabbits' tubes (author's transl)] Gordji M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):765–70 (Eng. Abstr.) **(Fre)**

[Experimental study in the urinary tract of a new smooth surface absorbable synthetic monofilament (author's transl)] Beurton D, et al. **J Urol (Paris)** 1981;87(5):295–303 (Eng. Abstr.) **(Fre)**

[Physical characteristics of sutures used in vascular surgery] Guidoin R, et al. **Union Med Can** 1982 Mar;111(3):234–44 (Eng. Abstr.) **(Fre)**

[Tendon sutures with a new monofilament synthetic absorbable suture material (PDS–suture of 6–0 strength). Results of animal experiments] Albers W, et al. **Chirurg** 1982 Mar;53(3):168–71 (Eng. Abstr.) **(Ger)**

[Fascial closure of median laparotomies with a synthetic, resorbable suture material (polyglycolic acid)] Ullrich F, et al. **Chirurg** 1981 Dec;52(12):777–9 (Eng. Abstr.) **(Ger)**

[Anterior resection of the rectum: comparison of the conservative suture technique and machine anastomosis (author's transl)] Probst M, et al. **Langenbecks Arch Chir** 1982;356(3):213–7 (Eng. Abstr.) **(Ger)**

[Second generation of absorbable suture material. Tissue reaction and indication (author's transl)] Thiede A, et al. **Langenbecks Arch Chir** 1981;355:479–84 (Eng. Abstr.) **(Ger)**

[Microsurgical anastomoses of nerves and arteries using absorbable sutures (author's transl)] Duspiva W, et al. **Zentralbl Chir** 1982;107(7):392–9 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of corneal wound suture or union with tissue adhesive in rabbits (author's transl)] Krochmalska–Kieracińska L. **Klin Oczna** 1981 Oct–Dec; 83(10–12):483–5 (Eng. Abstr.) **(Pol)**

[Results of treatment of isthmo–cervical insufficiency by using double II–shaped lavsan suture on the cervix uteri] Liubimova AI, et al. **Akush Ginekol (Mosk)** 1981 Sep; (9):40–3 (Eng. Abstr.) **(Rus)**

[Trials of suture materials for small–caliber vessels] Furmanov IuA, et al. **Klin Khir** 1981 Jul;(7):50–2 (Eng. Abstr.) **(Rus)**

[Needle, thread, suture: the technical bases of surgery] Shalimov AA, et al. **Klin Khir** 1981 Oct;(10):61–7 (53 ref.) **(Rus)**

[Fixation of wound margins in penetrating eye injuries] Logai IM, et al. **Oftalmol Zh** 1981;36(4):193–7 (Eng. Abstr.) **(Rus)**

[Transcutaneous buried suture of the Achilles tendon in fresh ruptures] Girshin SG, et al. **Ortop Travmatol Protez** 1981 Oct;(10):59–62 **(Rus)**

[Polymer fibers in surgery. I.] Privalova LG, et al. **Polim Med** 1981;11(2):117–31 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of suture materials used in the surgical treatment of periodontosis (an experimental morphological study)] Popovich TV. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):17–9 (Eng. Abstr.) **(Rus)**

[Use of a Bulgarian antibacterial polycapromide mesh and suture in experimental liver resection] Vasilev N, et al. **Vestn Khir** 1982 Mar;128(3):45–8 **(Rus)**

[Effect of suture material on the structure of the microcirculatory bed of peripheral nerves] Chaikovskii IuB. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):55–8 (Eng. Abstr.) **(Rus)**

[Indications for cerclage of the cervix uteri (author's transl)] Kralj B. **Jugosl Ginekol Opstet** 1981 May–Aug;21(3–4):95–7 (Eng. Abstr.) **(Scr)**

[Traction on nerve sutures. Preliminary report] Steño J, et al. **Rozhl Chir** 1981 Jul;60(7):502–4 (Eng. Abstr.) **(Slo)**

[Treatment of collateral varices of the legs by introducing strands of catgut into the lumen of the vessels] de Carvalho EV, et al. **Angiologia** 1982 May–Jun;34(3):145–7 **(Spa)**

ADVERSE EFFECTS

Filtration blebs in corneoscleral wounds sutured with Dexon 7–0 and Dexon 8–0. Kleener J. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):957–62

Anastomotic false aneurysms: a comparison of braided Dacron and polypropylene sutures. Brandt B 3d, et al. **Am Surg** 1982 Jun;48(6):255–7

Aspergillus empyema. Parry MF, et al. **Chest** 1982 Jun; 81(6):768–70

Conservative management of ureteral obstruction secondary to suture entrapment. Harshman MW, et al. **J Urol** 1982 Jan;127(1):121–3

[Changes observed on the uterine cervix following cerclage (author's transl)] Kohoutek M, et al. **Cesk Gynekol** 1982 Feb;47(1):7–9 (Eng. Abstr.) **(Cze)**

[Papillary conjunctivitis induced by synthetic thread] Lagoutte F, et al. **Bull Soc Ophtalmol Fr** 1981 Nov; 81(11):967–8 **(Fre)**

[Histological reactions caused by various types of suturing threads] Salamon A, et al. **Acta Chir Acad Sci Hung** 1980; 21(1):31–42 (Eng. Abstr.) **(Ger)**

[Trigger finger after extensor tendon injuries (author's transl)] Zimmermann I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):56–7 **(Hun)**

[An unusual case of recurrent biliary calculosis: common bile duct pigmentary calculosis of non–absorbable suture material] Colombo F, et al. **Chir Ital** 1981 Apr;33(2):595–9 **(Ita)**

[Iatrogenic occlusion of the anterior descending branch of the left coronary artery. Description of a case] Mazza F, et al. **G Ital Cardiol** 1981;11(3):394–7 (Eng. Abstr.) **(Ita)**

STANDARDS

The broken nylon iris fixation suture. Cohan BE. **Am J Ophthalmol** 1982 Apr;93(4):507–10

Effect of needle characteristics in strabismus surgery. Goldstein JH, et al. **Arch Ophthalmol** 1982 Apr; 100(4):617–8

Does the type of suture material contribute to the strength of the lateral paramedian incision? Donaldson DR, et al. **Br J Surg** 1982 Mar;69(3):163–5

Nylon sutures for wound closure in cataract operation. McPherson SD Jr. **Dev Ophthalmol** 1981;5:13–6

Choice of suture material in surgery. Parkash S. **J Indian Med Assoc** 1982 Feb 1;78(3):53–5 passim

Evaluation of synthetic absorbable sutures in abdominal closure. Tiwari VS, et al. **J Indian Med Assoc** 1982 Feb 1;78(3):37–40

Knot integrity of coated synthetic absorbable sutures used for extraocular muscle surgery in a rabbit model. Estes RL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb; 19(1):25–7

Myo–scleral union in retroequitorial myopexy. Maher SC, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug; 19(4):12–5

Complications associated with running 11–0 nylon suture in penetrating keratoplasty. Olson RJ. **Ophthalmic Surg** 1982 Jul;13(7):558–61

PDS (polydioxanone suture): a new synthetic absorbable suture in cataract surgery. A preliminary study. Bartholomew RS. **Ophthalmologica** 1981;183(2):81–5

Mechanical performance of polyglycolic acid and polyglactin 910 synthetic absorbable sutures. Rodeheaver GT, et al. **Surg Gynecol Obstet** 1981 Dec;153(6):835–41

A comparison of stapled and sutured anastomoses in gastric operations. Scher KS, et al. **Surg Gynecol Obstet** 1982 Apr; 154(4):548–52

Suture resistance to infection. Sharp WV, et al. **Surgery** 1982 Jan;91(1):61–3

[Inguinal herniotomy with silk or Dexon. A randomized comparison with special attention on recurrence rate] Hahn–Pedersen J, et al. **Ugeskr Laeger** 1982 Jan 4; 144(1):7–8 (Eng. Abstr.) **(Dan)**

[Use of an absorbable suture in cataract surgery] Bec P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):539–41 **(Fre)**

UTILIZATION

Suture materials currently used in obstetric–gynecologic surgery in the United States: a questionnaire survey. Hartko WJ, et al. **Obstet Gynecol** 1982 Feb;59(2):241–6

VETERINARY

Esophageal healing in the pony: comparison of sutured vs nonsutured esophagotomy. Stick JA, et al. **Am J Vet Res** 1981 Sep;42(9):1506–13

Effect of repeated sterilization on the breaking strength of synthetic polyfilament suture. Dubin S, et al. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1162

Percutaneous fixation of left displaced abomasum, using a bar suture. Grymer J, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1458–61

SUXAMETHONIUM see **SUCCINYLCHOLINE**

SV40 VIRUS

Complete in vitro replication of SV40 DNA and chromatin in saponin–treated permeable cells. Oda T, et al. **Acta Med Okayama** 1981 Apr;35(2):149–54

The transformation of cell growth and transmogrification of DNA synthesis by simian virus 40. Martin RG. **Adv Cancer Res** 1981;34:1–68 (564 ref.)

DNA methylation in normal and SV40–transformed human fibroblasts. Diala ES, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1379–84

Cis– and trans–diamminedichloroplatinum(II) binding products different tertiary structural changes on SV40 DNA. Scovell WM, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1597–603

Adenovirus E1b–58kd tumor antigen and SV40 large tumor antigen are physically associated with the same 54 kd cellular protein in transformed cells. Sarnow P, et al. **Cell** 1982 Feb;28(2):387–94

Uptake of putrescine by 3T3 and SV3T3 cells and its effect on ornithine decarboxylase activity. Bethell DR, et al. **J Cell Physiol** 1981 Dec;109(3):461–8

Anchorage–independent growth of normal calf lens epithelial cells and effect of SV40 transformation on their growth properties. Shearer M, et al. **J Cell Physiol** 1981 Sep; 108(3):385–91

Visualization of nucleolar substructure in cultured human fibroblasts by magnesium–activated adenosine triphosphatase reaction. Fox N, et al. **J Histochem Cytochem** 1981 Oct;29(10):1115–20

Calcium binding to plasma membranes from normal and

SV40 transformed hamster lymphocytes. Mikkelsen RB, et al. **J Recept Res** 1980;1(2):239–60
Phosphorylation patterns of tumour antigens in cells lytically infected or transformed by simian virus 40. Van Roy F, et al. **J Virol** 1981 Oct;40(1):28–44
Insulin synthesis in a clonal cell line of simian virus 40–transformed hamster pancreatic beta cells. Santerre RF, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4339–43

ANALYSIS

Fractionation of simian virus 40 DNA fragments by RPC–5 column chromatography. Bina M, et al. **Anal Biochem** 1981 Jun;114(1):105–11
Phasing of nucleosomes in SV40 chromatin reconstituted in vitro. Hiwasa T, et al. **J Biochem (Tokyo)** 1981 May; 89(5):1375–89
New way to isolate simian virus 40 nucleoprotein complexes from infected cells: use of a thiol–specific reagent. Boyce FM, et al. **J Virol** 1982 Apr;42(1):292–6
Stable association of viral protein VP1 with simian virus 40 DNA. Brady JN, et al. **J Virol** 1981 Aug;39(2):432–7
Recognition sites of eukaryotic DNA topoisomerase I: DNA nucleotide sequencing analysis of topo I cleavage sites on SV40 DNA. Edwards KA, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2565–76
In vitro formation of multimeric DNA structures mediated by purified simian virus 40 chromatin. Waldeck W, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1027–31
Binding of dephosphorylated A protein to SV40 DNA. Shaw SB, et al. **Virology** 1981 Nov;115(1):88–96
Partial purification of SV40 A protein and a related cellular protein from permissive cells. Tegtmeyer P, et al. **Virology** 1981 Nov;115(1):67–74
Alternative interactions of the SV40 A protein with DNA. Tegtmeyer P, et al. **Virology** 1981 Nov;115(1):75–87

DRUG EFFECTS

Inhibition of simian virus 40 growth in a kidney cell line by an endogenous inhibitor of renal cell proliferation. Campadelli–Fiume G, et al. **Ann Sclavo** 1981 Jan–Feb; 23(1):52–6
Reduction of simian virus 40 growth by a mitotic inhibitor extracted from liver. Evidence that the inhibitor is arginase. Campadelli–Fiume G, et al. **Ann Sclavo** 1981 Mar–Apr; 23(2):162–8

ENZYMOLOGY

Use of monoclonal antibodies as probes of simian virus 40 T antigen ATPase activity. Clark R, et al. **J Biol Chem** 1981 Nov 25;256(22):11854–8

GENETICS

Microinjection of nucleic acids into cultured mammalian cells by electrophoresis. Ocho M, et al. **Acta Med Okayama** 1981 Nov;35(5):381–4
Regulation of SV40 gene expression. Graessmann A, et al. **Adv Cancer Res** 1981;35:111–49 (79 ref.)
Simian virus 40 as a eukaryotic cloning vehicle. Elder JT, et al. **Annu Rev Genet** 1981;15:295–340 (255 ref.)
Representation of mRNA sequences in normal and SV40 transformed human diploid fibroblasts. Shephard EA, et al. **Anticancer Res** 1981;1(2):89–92
Effect of 1,4–dihydroxy–5,8–bis (2–(2–hydroxyethylamino) ethyl amino)–9,10–anthracenedione (dihydroxyanthraquinone) on the replication of simian virus 40 chromosome. Su RT. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):249–55
Structure of chromatin at deoxyribonucleic acid replication forks: prenucleosomal deoxyribonucleic acid is rapidly excised from replicating simian virus 40 chromosomes by micrococcal nuclease. Cusick ME, et al. **Biochemistry** 1981 Nov 10;20(23):6648–59
Liposome–mediated delivery of deoxyribonucleic acid to cells: enhanced efficiency of delivery related to lipid composition and incubation conditions. Fraley R, et al. **Biochemistry** 1981 Nov 24;20(24):6978–87
Both parental deoxyribonucleic acid strands at each replication fork of replicating simian virus 40 chromosomes are cut by a single–strand–specific endonuclease. Tsubota Y, et al. **Biochemistry** 1982 May 25;21(11):2713–8
Papovavirus chromatin associated cellular endonuclease which introduces one double–strand cut in superhelical deoxyribonucleic acid. Waldeck W, et al. **Biochemistry** 1981 Jul 7;20(14):4203–9
Effects of ouabain and osmolarity on bumetanide–sensitive potassium transport in simian virus–transformed 3T3 cells. Bakker–Grunwald T, et al. **Biochim Biophys Acta** 1982 May 7;687(2):333–6
Conditions for sliding of nucleosomes along DNA: SV 40 minichromosomes. Glotov BO, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):275–84
Dissections and reconstructions of genes and chromosomes. Nobel lecture, 8 December 1980. Berg P. **Biosci Rep** 1981 Apr;1(4):269–87 (49 ref.)
Expression of a beta–globin gene is enhanced by remote SV40 DNA sequences. Banerji J, et al. **Cell** 1981 Dec;27(2 Pt 1):299–308
Cloning and characterization of the integrated viral DNA from three lines of SV40–transformed mouse cells. Clayton CE, et al. **Cell** 1981 Aug;25(2):547–59
Attenuation in the control of SV40 gene expression. Hay N, et al. **Cell** 1982 May;29(1):183–93
Replication of viral DNA sequences integrated within the chromatin of SV40–transformed Chinese hamster lung cells. Marchionni MA, et al. **Cell** 1981 Oct;26(2 Pt 2):245–58
SV40 gene expression is modulated by the cooperative binding of T antigen to DNA. Myers RM, et al. **Cell** 1981 Aug;25(2):373–84
Arrest of segregation leads to accumulation of highly intertwined catenated dimers: dissection of the final stages of SV40 DNA replication. Sundin O, et al. **Cell** 1981 Sep; 25(3):659–69
T antigen binding and the control of SV40 gene expression. Tjian R. **Cell** 1981 Oct;26(1 Pt 1):1–2
The remarkable instability of replication loops provides a general method for the isolation of origins of DNA replication. Zannis–Hadjopoulos M, et al. **Cell** 1981 Nov; 27(1 Pt 2):155–63
Localization of the binding sites of prokaryotic and eukaryotic RNA polymerases on simian virus 40 DNA. Saragosti S, et al. **Eur J Biochem** 1980 May;106(1):25–31
Nucleotide sequence of the simian virus 40 HindII + III restriction fragment I (fourth part of the T antigen gene). Van Herreweghe J, et al. **Eur J Biochem** 1980 May; 106(1):179–92
Nucleotide sequence of the Hind–I–proximal part of simian virus 40 HindII + III restriction fragment B (fifth part of the T antigen gene). Van Herreweghe J, et al. **Eur J Biochem** 1980 May;106(1):193–8
Nucleotide sequence of simian virus 40 DNA: structure of the middle segment of the HindII + III restriction fragment B (sixth part of the T antigen gene) and codon usage. Van Heuverswyn H, et al. **Eur J Biochem** 1980 May; 106(1):199–209
Nucleotide sequence of the simian virus 40 HindII + III restriction fragment A (second part of the T antigen gene). Volckaert G, et al. **Eur J Biochem** 1980 May;106(1):169–77
Changes in phospholipid polar head group turnover in SV40–transformed hamster fibroblasts. Mazière C, et al. **FEBS Lett** 1982 Mar 22;139(2):217–20
Disulfide bonds protect the encapsidated chromosomes of Simian virus 40. Ng SC, et al. **FEBS Lett** 1981 Jul 20; 130(1):47–9
Cloning SV40 HindIII restriction fragments into M13 bacteriophage. Dixon K, et al. **Gene** 1982 Apr;18(1):97–100
Systematic alteration of the nucleotide sequence preceding the translation initiation codon and the effects on bacterial expression of the cloned SV40 small–t antigen gene. Gheysen D, et al. **Gene** 1982 Jan;17(1):55–63
Electron microscopic mapping of RNA polymerase binding sites on SV40 DNA. Vogel F, et al. **Gene** 1981 Dec; 16(1–3):331–4
Production of a T–antigen–related protein in mammalian cells after stable transformation with a cloned SV40 gene fragment. Horst J, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr;363(4):445–8
Molecular interaction between simian virus 40 DNA and Escherichia coli RNA polymerase. Mapping of the initiation sites on supercoiled and linear DNA. Lavialle C, et al. **J Biol Chem** 1982 Feb 10;257(3):1549–57
Hyaluronate degradation in 3T3 and simian virus–transformed 3T3 cells. Orkin RW, et al. **J Biol Chem** 1982 May 25;257(10):5821–6
SV40–transformed human cells fail to grow in zinc concentrations which permit normal human fibroblast proliferation. Epstein J. **J Cell Physiol** 1982 Jan; 110(1):17–22
Simian virus 40 A gene function: further characterization and growth of tsA transformed chinese hamster cells. Robinson CC, et al. **J Cell Physiol** 1982 Jun;111(3):225–31
Simian virus 40 causes persistent infection of muntjac cells in the absence of virus transformation. Gershey EL. **J Gen Virol** 1981 Sep;56(Pt 1):33–40
Construction and characterization of SV40 recombinants with beta–globin cDNA substitutions in their early regions. Southern PJ, et al. **J Mol Appl Gen** 1981;1(3):177–90
Late messenger RNA production by viable simian virus 40 mutants with deletions in the leader region. Piatak M, et al. **J Mol Biol** 1981 Dec 15;153(3):589–618
Stimulation of DNA polymerase alpha by a nuclear DNA/protein complex. Balabanova H, et al. **J Supramol Struct Cell Biochem** 1981;16(1):1–13
Evidence for simian virus 40 late transcriptional control: mixed infections of wild–type simian virus 40 and a late leader deletion mutant exhibit trans effects on late viral RNA synthesis. Alwine JC. **J Virol** 1982 Jun;42(3):798–803
Mutant carrying deletions in the two simian virus 40 early genes. Feunteun J, et al. **J Virol** 1981 Dec;40(3):625–34
Simian virus 40 early mRNA's contain multiple 5' termini upstream and downstream from a Hogness–Goldberg sequence; a shift in 5' termini during the lytic cycle is mediated by large T antigen. Ghosh PK, et al. **J Virol** 1981 Oct;40(1):224–40
Simian virus 40 mutant with transposed T–antigen and VP1 genes. Lazarowitz SG. **J Virol** 1982 Mar;41(3):1025–37
Initiation and regulation of simian virus 40 early transcription in vitro. Lebowitz P, et al. **J Virol** 1982 Feb;41(2):449–61
Emergence of simian virus 40 variants during serial passage of plaque isolates. Norkin LC, et al. **J Virol** 1982 May; 42(2):730–3
Isolation and characterization of defective simian virus 40 genomes which complement for infectivity. O'Neill FJ, et al. **J Virol** 1982 Jul;43(1):18–25
Construction and characterization of viable deletion mutants of simian virus 40 lacking sequences near the 3' end of the early region. Polvino–Bodnar M, et al. **J Virol** 1982 Aug;43(2):489–502
Prereplicative events involving simian virus 40 DNA in permissive cells. Rinaldy A, et al. **J Virol** 1982 Jan; 41(1):237–43
Mapping the in vivo arrangement of nucleosomes on simian virus 40 chromatin by the photoaddition of radioactive hydroxymethyltrimethylpsoralen. Robinson GW, et al. **J Virol** 1982 Jan;41(1):78–87
Isolation and characterization of simian virus 40 early region deletion mutants. Sompayrac LM, et al. **J Virol** 1982 Jul; 43(1):328–31
Genomic arrangement of an adenovirus–simian virus 40 hybrid virus, Ad2+ND4del. Westphal H. **J Virol** 1981 Nov;40(2):526–32
Simian virus 40–rabbit beta–globin recombinants lacking late mRNA splice sites express cytoplasmic RNAs with altered structures. White RT, et al. **J Virol** 1982 Apr;42(1):262–74
Rescue of SV40 following transfection of TC7 cells with cellular DNAs containing complete and partial SV40 genomes. Lipotich G, et al. **MGG** 1982;186(1):78–81
Sequential transcription–translation of simian virus 40 by using mammalian cell extracts. Cepko CL, et al. **Mol Cell Biol** 1981 Oct;1(10):919–31
Nonlytic simian virus 40–specific 100K phosphoprotein is associated with anchorage–independent growth in simian virus 40–transformed and revertant mouse cell lines. Chen S, et al. **Mol Cell Biol** 1981 Nov;1(11):994–1006
Induction of cellular deoxyribonucleic acid synthesis in butyrate–treated cells by simian virus 40 deoxyribonucleic acid. Kawasaki S, et al. **Mol Cell Biol** 1981 Nov; 1(11):1038–47
Three segments from the monkey genome that hybridize to simian virus 40 have common structural elements. Queen C, et al. **Mol Cell Biol** 1981 Dec;1(12):1061–8
A fragment of the SV40 large T–antigen gene transforms. Clayton CE, et al. **Nature** 1982 Sep 2;299(5878):59–61
Enhanced metastasis of tumours induced by a SV40 small T deletion mutant. Dixon K, et al. **Nature** 1982 Apr 15; 296(5858):672–5
SV40 recombinant molecules express the gene encoding p21 transforming protein of Harvey murine sarcoma virus. Gruss P, et al. **Nature** 1981 Oct 8;293(5832):486–8
Activation of SV40 genome by 72–base pair tandem repeats of Moloney sarcoma virus. Levinson B, et al. **Nature** 1982 Feb 18;295(5850):568–72
High frequency of gene transfer after fusion between bacteria and eukaryotic cells. Rassoulzadegan M, et al. **Nature** 1982 Jan 21;295(5846):257–9
Enhanced transformation of human fibroblasts by origin–defective simian virus 40. Small MB, et al. **Nature** 1982 Apr 15;296(5858):671–2
DNA sequence homology and chromosomal deletion at a site of SV40 DNA integration. Stringer JR. **Nature** 1982 Mar 25;296(5855):363–6
The appearance of DNase I hypersensitive sites at the 5' end of the late SV40 genes is correlated with the transcriptional switch. Cremisi C. **Nucleic Acids Res** 1981 Nov 25; 9(22):5949–64
Uncoupling of SV40 tsA replicon activation from DNA chain elongation by temperature shifts and aphidicolin arrest. Dinter–Gottlieb G, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):763–73
An oligoribonucleotide polymerase from SV40–infected cells with properties of a primase. Kaufmann G, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2309–21
Characterization of a gene encoding a 115 K super T antigen expressed by a SV40–transformed rat cell line. May E, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4111–28
The SV40 72 base repair repeat has a striking effect on gene expression both in SV40 and other chimeric recombinants. Moreau P, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6047–68
Secondary structure model for the complete simian virus 50 late precursor mRNA. Nussinov R, et al. **Nucleic Acids Res** 1982 Jan 11;10(1):351–63
Replication of SV40 chromatin in extracts from eggs of Xenopus laevis. Richter A, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3793–807
Deoxyribonuclease II as a probe to sequence–specific chromatin organization: preferential cleavage in the 72 bp modulator sequence of SV40 minichromosome. Shakhov AN, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3951–65
Nucleotide requirements for DNA replication of SV40 chromatin in digitonin–treated and saponin–treated permeable cells. Oda T, et al. **Nucleic Acids Symp Ser** 1981; (10):159–62
Territorial limits and functional anatomy of the simian virus 40 replication origin. Bergsma DJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):381–5
Quantitation and characterization of a species–specific and embryo stage–dependent 55–kilodalton phosphoprotein also present in cells transformed by simian virus 40. Chandrasekaran K, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6953–7
Fate of viral DNA in nonpermissive cells infected with simian virus 40. Chia W, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6638–42

Synthesis of stable unspliced mRNA from an intronless simian virus 40—rat preproinsulin gene recombinant. Gruss P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6091–5

Use of whole-cell fixation to visualize replicating and maturing simian virus 40: identification of new viral gene product. Jackson V, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6081–5

Carcinogen-mediated amplification of viral DNA sequences in simian virus 40-transformed Chinese hamster embryo cells. Lavi S. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6144–8

Transcription of the simian virus 40 genome in DNA-transformed murine teratocarcinoma stem cells. Linnenbach A, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6386–90

Expression of two human growth hormone genes in monkey cells infected by simian virus 40 recombinants. Pavlakis GN, et al. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7398–402

Nucleosome segregation at a defined mammalian chromosomal site. Roufa DJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1810–4

Site of premature termination of late transcription of simian virus 40 DNA: enhancement by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Skolnik-David H, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2743–7

Efficient infection of monkey cells with DNA of simian virus 40. Sompayrac LM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7575–8

Effect of methylation on expression of microinjected genes. Waechter DE, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1106–10

The regulation of SV40 gene expression in nonpermissive cells. Segal S, et al. **Prog Clin Biol Res** 1981;66 Pt B:409–15

The conalbumin 'TATA' box sequence and the SV40 72 base-pair repeat region influence expression of a chimeric gene in vivo. Wasylyk B, et al. **Prog Clin Biol Res** 1982; 85 Pt A:13–24

Induction and enhanced reactivation of mammalian viruses by light. Bockstahler LE. **Prog Nucleic Acid Res Mol Biol** 1981;26:303–13

Role of chromatin structure, histone acetylation, and the primary sequence of DNA in the expression of SV40 and polyoma in normal or teratocarcinoma cells. Moyne G, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:151–67

Reversion from deficiency of galactose-1-phosphate uridylytransferase (GALT) in an SV40-transformed human fibroblast line. Benn PA, et al. **Somatic Cell Genet** 1981 Nov;7(6):667–82

Efficient DNA transfection and rapid assay for thymidine kinase activity and viral antigenic determinants. Milman G, et al. **Somatic Cell Genet** 1981 Mar;7(2):161–70

Formation of a nucleosome-free region in SV40 minichromosomes is dependent upon a restricted segment of DNA. Jakobovits EB, et al. **Virology** 1982 Jul 30; 120(2):340–8

Expression of herpesvirus thymidine kinase gene under control of early promoter of SV40. Pater MM, et al. **Virology** 1982 Mar;117(2):536–40

Specific interaction of the SV40 T antigen-cellular p53 protein complex with SV40 DNA. Reich NC, et al. **Virology** 1982 Feb;117(1):286–90

[Transcription and RNA processing of SV40 DNA (author's transl)] Handa H. **Seikagaku** 1982;54(2):95–8 (28 ref.) **(Jpn)**

[RNA transport from isolated nuclei of cultured Djungarian hamster cells] Gudkova NA, et al. **Biokhimiia** 1982 Mar; 47(3):419–24 (Eng. Abstr.) **(Rus)**

[Formation of transfecting DNA in acute cellular infection with the tick-borne encephalitis virus mediated by an oncogenic virus] Suetina IA, et al. **Vopr Virusol** 1982 Jan–Feb;(1):45–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

CV-1 cells release proteins that facilitate infection by simian virus 40 and echovirus 6. Righthand VF, et al. **Arch Virol** 1982;72(1–2):55–66

Distribution of replicating simian virus 40 DNA in intact cells and its maturation in isolated nuclei. Tapper DP, et al. **J Virol** 1982 Mar;41(3):877–92

Growth and purification of SV40 virus for biochemical studies. Rosenberg BH, et al. **J Virol Methods** 1981 Oct; 3(3):167–76

DNA and histone synthesis of butyrate-inhibited BSC-1 cells infected with SV40. Daniell E, et al. **Virology** 1982 Jan 15;116(1):196–206

IMMUNOLOGY

Demonstration of SV40-related tumour antigen in human meningiomas by different hamster SV40-T-antisera. Zimmermann W, et al. **Acta Virol (Praha)** 1981 Jul; 25(4):199–204

Mechanism of interferon action: stability and translation of simian virus-40 early mRNA coding for T-antigen is comparable in untreated and interferon-treated monkey cells. Daher KA, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):697–703

Functions of T antigens of SV40 and polyomavirus. Hand R. **Biochim Biophys Acta** 1981 Aug 31;651(1):1–24 (196 ref.)

Antiserum to SV40 T antigens from a rabbit inoculated with autochthonous cells transformed in vitro by SV40. Tamura H, et al. **Gan** 1981 Oct;72(5):769–71

High-level synthesis in Escherichia coli of the SV40 small-t antigen under control of the bacteriophage lambda pL promoter. Derom C, et al. **Gene** 1982 Jan;17(1):45–54

Surface proteins of simian-virus-40-transformed cells. Chandrasekaran K, et al. **Int J Cancer** 1981 Mar 15; 27(3):397–407

Expression of SV40 T antigen polypeptides in cells biochemically transformed by plasmids containing the herpes simplex virus thymidine kinase gene and the genome of an SV40tsA mutant. Kit S, et al. **Int J Cancer** 1981 Oct 15;28(4):485–96

Detection of simian virus 40 surface-associated large tumor antigen by enzyme-catalyzed radioiodination. Soule HR, et al. **Int J Cancer** 1982 Mar 15;29(3):337–44

Does simian virus 40 T antigen unwind DNA? Myers RM, et al. **J Biol Chem** 1981 Oct 10;256(19):10156–60

Detection of simian virus 40 T-antigen-related antigens by a 125I-protein A-binding assay and by immunofluorescence microscopy on the surface of SV40-transformed monolayer cells. Lange-Mutschler J, et al. **J Gen Virol** 1981 Feb;52(Pt 2):301–12

Characterization of a progressive tumor from C3H fibroblasts transformed in vitro with SV40 virus. Immunoresistance in vivo correlates with phenotypic loss of H-2Kk. Gooding LR. **J Immunol** 1982 Sep;129(3):1306–12

Specific thymus-derived (T) cell recognition of papova virus-transformed cells. Greene MI, et al. **J Immunol** 1982 Feb;128(2):732–6

H-2Kb mutations limit the CTL response to SV40 TASA. Pan S, et al. **J Immunol** 1982 Jan;128(1):243–6

Oligomeric structure of a simian virus 40 T antigen in free form and bound to DNA. Myers RM, et al. **J Mol Biol** 1981 Jun 5;148(4):347–53

Uniform nomenclature for monoclonal antibodies directed against virus-coded proteins of simian virus 40 and polyoma virus. Crawford L, et al. **J Virol** 1982 Feb; 41(2):709

Cellular proteins reactive with monoclonal antibodies directed against simian virus 40 T-antigen. Crawford L, et al. **J Virol** 1982 May;42(2):612–20

Monoclonal antibodies specific for simian virus 40 tumor antigens. Harlow E, et al **J Virol** 1981 Sep;39(3):861–9

Cell surface T antigen in cells infected with simian virus 40 or an adenovirus-simian virus 40 hybrid, Ad2+D2. Ismail A, et al. **J Virol** 1981 Nov;40(2):615–9

Discrete regions of simian virus 40 large T antigen are required for nonspecific and viral origin-specific DNA binding. Prives C, et al. **J Virol** 1982 Jul;43(1):73–82

Presence in growth-arrested cells of cellular proteins that interact with simian virus 40 small-t antigen. Rundell K. **J Virol** 1982 Jun;42(3):1135–7

Mutant of simian virus 40 large T-antigen that is defective for viral DNA synthesis, but competent for transformation of cultured rat cells. Stringer JR. **J Virol** 1982 Jun; 42(3):854–64

Simian virus 40 large tumor antigen: a 'RNA binding protein'? Khandjian EW, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1139–43

Investigations on the presence of antibodies to papova viruses in patients with different forms of cancer and in other categories of patients or apparently healthy subjects. Note I. Neutralizing antibodies to SV-40 in the cerebrospinal fluid of patients with brain tumors and chronic neurological diseases. Nastac E, et al. **Virologie** 1981 Jul–Sep;32(3):231–6

Species- and genus-specific antigenic determinants of simian agent 12 VP1 as defined with monoclonal antibodies. Benton CV, et al. **Virology** 1982 Mar;117(2):490–5

Biology of simian virus 40 (SV40) transplantation antigen (TrAg). VIII. Retention of SV40 TrAg sites on purified SV40 large T antigen following denaturation with sodium dodecyl sulfate. Flyer DC, et al. **Virology** 1982 Feb; 117(1):267–70

Intracellular transport of SV40 large tumor antigen: a mutation which abolishes migration to the nucleus does not prevent association with the cell surface. Lanford RE, et al. **Virology** 1982 May;119(1):169–84

Immunological cross-reaction between large T-antigens of SV40 and polyoma virus. McCormick F, et al. **Virology** 1982 Jan 15;116(1):382–7

SV40 antitumor sera that directly immunoprecipitate small-t-associated cellular proteins. Rundell K, et al. **Virology** 1981 Oct 15;114(1):297–301

Analysis of the nonviral antigens immunoprecipitable by SV40 T antibody from SV40-transformed human/mouse hybrid cell lines. Stitt DT, et al. **Virology** 1981 Oct 15; 114(1):149–60

[Serum SV40 T-antibodies in cerebral tumors of various types. Negative study in 84 subjects (letter)] Guillon F, et al. **Nouv Presse Med** 1981 Aug 29–Sep 5;10(31):2584 **(Fre)**

[Interaction of SV40 T-antigen with tumor cell chromatin] Zheshovska-Vol'ny I, et al. **Biokhimiia** 1981 Oct; 46(10):1880–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation of a SV40-like virus from a patient with progressive multifocal leukoencephalopathy. Scherneck S, et al. **Acta Virol (Praha)** 1981 Jul;25(4):191–8

A genus-specific radioimmunoassay for simian virus 40-polyoma viruses. Benton CV, et al. **Intervirology** 1981; 15(3):165–70

Episomal simian virus 40 genomes in human brain tumors. Krieg P, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6446–50

METABOLISM

Human fetal brain cells in culture. Increase in GM2 ganglioside after SV-40 transformation. Hoffman LM, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):359–61

Carcinogen-mediated induction of SV40 DNA synthesis in SV40 transformed Chinese hamster embryo cells. Lavi S, et al. **Carcinogenesis** 1981;2(5):417–23

Covalent affinity labeling by periodate-oxidized [alpha-32P]ATP of the large-T proteins of polyoma and SV40 viruses. Clertant P, et al. **J Biol Chem** 1982 Jun 10; 257(11):6300–5

Kinetics of inhibition of papovavirus DNA synthesis by superinfection with adenovirus 2 and non-defective adenovirus 2-simian virus 40 hybrid viruses. Patch CT, et al. **J Gen Virol** 1981 Aug;55(Pt 2):355–65

Simian virus 40 as a probe for studying inducible repair functions in mammalian cells. Mezzina M, et al. **J Supramol Struct Cell Biochem** 1981;17(2):121–31

Simian virus 40 maturation: chromatin modifications increase the accessibility of viral DNA to nuclease and RNA polymerase. Brady J, et al. **J Virol** 1981 Aug;39(2):603–11

Different forms of simian virus 40 large tumor antigen varying in their affinities for DNA. Gidoni D, et al. **J Virol** 1982 May;42(2):456–66

Replication of simian virus 40 DNA in normal human fibroblasts and in fibroblasts from xeroderma pigmentosum. Ozer HL, et al. **J Virol** 1981 Aug;39(2):481–9

Ultraviolet irradiation inhibits encapsidation of simian virus 40 chromatin. Roman A, et al. **J Virol** 1981 Dec; 40(3):729–34

Cessation of reentry of simian virus 40 DNA into replication and its simultaneous appearance in nucleoprotein complexes of the maturation pathway. Wang HT, et al. **J Virol** 1981 Jul;39(1):255–62

An electrophoretic method for the detection of replicating, supercoiled simian virus 40 DNA. Friedrich TD, et al. **J Virol Methods** 1980;1(4):235–9

An SV40 deletion mutant accumulates late transcripts in a paranuclear extract. Campos R, et al. **Virology** 1982 May; 119(1):1–11

Mechanism of interferon action. Differential effect of interferon on the synthesis of simian virus 40 and reovirus polypeptides in monkey kidney cells. Daher KA, et al. **Virology** 1982 Mar;117(2):379–90

Temperature-sensitive B mutants of SV40 disassemble intracellular encapsidation particles at elevated temperature. Jakobovits EB, et al. **Virology** 1982 Aug; 121(1):95–106

Different histone families in intracellular SV40 nucleoprotein complexes with respect to the acetylation turnover. Vesco C, et al. **Virology** 1982 Apr 30;118(2):389–400

PATHOGENICITY

Augmentation in the infectivity of SV40 virus DNA by amphotericin B methyl ester: brief report. Borden EC, et al. **Arch Virol** 1981;69(2):161–5

Long-term follow-up after SV40 inoculation [letter] Morris JA. **N Engl J Med** 1982 May 13;306(19):1176–7

Long-term follow-up of persons inadvertently inoculated with SV40 as neonates. Mortimer EA Jr, et al. **N Engl J Med** 1981 Dec 17;305(25):1517–8

[Chromosome aberration induction by a temperature-sensitive SV40 mutant in mammalian cells] Gorbumova LV, et al. **Biol Nauki** 1981;(10):75–8 **(Rus)**

PHYSIOLOGY

Initiation of SV40 DNA replication in vivo: location and structure of 5' ends of DNA synthesized in the ori region. Hay RT, et al. **Cell** 1982 Apr;28(4):767–79

Regulation of viral transcription and DNA replication by the SV40 large T antigen. Tjian R. **Curr Top Microbiol Immunol** 1981;93:5–24 (114 ref.)

SV40-infected muntjac cells: cell cycle kinetics, cell ploidy and T antigen concentration. Gershey EL. **Cytometry** 1980 Jul;1(1):49–56

Human cell transformation by simian virus 40. Biologic features of cloned lines. Sack GH Jr, et al. **Exp Cell Res** 1981 Aug;134(2):425–32

Preferential association of uracil-DNA glycosylase activity with replicating SV40 minichromosomes. Krokan H. **FEBS Lett** 1981 Oct 12;133(1):89–91

Comparison of T antigen-associated host phosphoproteins from SV40-infected and -transformed cells of different species. Fanning E, et al. **J Gen Virol** 1981 Aug;55(Pt 2):367–78

Stimulation of host centriolar antigen in TC7 cells by simian virus 40: requirement for RNA and protein syntheses and an intact simian virus 40 small-t gene function. Shyamala M, et al. **J Virol** 1982 Aug;43(2):721–9

Small t protein of simian virus 40 is required for dense focus formation in a rat cell line. Sugano S, et al. **J Virol** 1982 Mar;41(3):1073–5

Cell killing by simian virus 40: evaluation of the role of extracellular calcium. Norkin LC. **Virology** 1982 Jan 15; 116(1):375–8

RADIATION EFFECTS

The wavelength dependence of the effect of 8-methoxypsoralen plus ultraviolet radiation on the induction of latent simian virus 40 from a mammalian cell. Moore SP, et al. **Photochem Photobiol** 1981 Nov; 34(5):609–15

ULTRASTRUCTURE

Stability and components of mature simian virus 40. Bina M, et al. **Biochemistry** 1982 Jun 22;21(13):3057–63

Fine structure of virus chromatin in thin sections of SV40-infected cells: a cytochemical and autoradiographical study. Puvion-Dutilleul F, et al. **J Gen Virol** 1982 Apr;59(Pt 2):235–44

A high-resolution electron microscopy study of nucleosomes from simian virus 40 chromatin. Moyne G, et al. **J Mol Biol** 1981 Jul 15;149(4):735–44

Theoretical evidence for the significance of certain types of DNA secondary structure in the genomes of phi X174, G4, fd, SV40 and the plasmid pBR322. Müller UR, et al. **Prog Clin Biol Res** 1981;64:285–97

[Structural organization of human simian virus 40 chromosomes. I. Heterogeneity and composition of nuclear DNA-protein complexes at different stages of lytic infection] Bakaev VV, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):939–49 (Eng. Abstr.) **(Rus)**

SWALLOWING see **DEGLUTITION**

SWAMP FEVER see **EQUINE INFECTIOUS ANEMIA**

SWAMP FEVER VIRUS see **EQUINE INFECTIOUS ANEMIA VIRUS**

SWAYBACK see under **SHEEP DISEASES**

SWEAT

ANALYSIS

Skin infections and immunoglobulin A in serum, sweat, and saliva of patients recovered from poststreptococcal acute glomerulonephritis or acute rheumatic fever and their siblings. Potter EV, et al. **Am J Epidemiol** 1982 Jun; 115(6):951–9

Four clinical chemistry analyses for pediatric patients: glycosylated hemoglobin, free bilirubin, sweat electrolytes, neonatal thyroxine. Randolph VS. **Am J Med Technol** 1982 Jan;48(1):15–22 (87 ref.)

Hypogammaglobulinemia and antibody deficiency in patients with elevated sweat chloride concentrations. Corkey CW, et al. **J Pediatr** 1982 Mar;100(3):420–2

Familial cholestasis with elevated sweat electrolyte concentrations. Lloyd-Still JD. **J Pediatr** 1981 Oct; 99(4):580–3

Sweat sodium and chloride values [letter] Rosenstein BJ, et al. **J Pediatr** 1982 Jun;100(6):1001–2

False-positive sweat tests [letter] Spigelblatt L, et al. **J Pediatr** 1981 Dec;99(6):1001

Meconium peritonitis and increasing sweat chloride determinations in a case of familial progressive intrahepatic cholestasis. Hillemeier AC, et al. **Pediatrics** 1982 Mar; 69(3):325–7

[Excretion of chloramphenicol in sweat--effect of type of the drug and route of administration (author's transl)] Havelka J. **Cas Lek Cesk** 1980 Oct 17;119(42):1130–2 (Eng. Abstr.) **(Cze)**

[Sweat electrolyte analysis by pilocarpine iontophoresis] Nielsen OH, et al. **Ugeskr Laeger** 1981 Aug 31; 143(36):2302–6 (Eng. Abstr.) **(Dan)**

[Simple method of sweat chloride determination (author's transl)] Wieseman HG, et al. **Monatsschr Kinderheilkd** 1982 Feb;130(2):96–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Lithium loss in sweat [letter] Aref MA, et al. **Psychosomatics** 1982 Apr;23(4):407

SECRETION

Role of calcium in cholinergic and adrenergic mechanisms of eccrine sweat secretion. Sato K, et al. **Am J Physiol** 1981 Sep;241(3):C113–20

Spontaneous sweat secretion in calcium-free strontium medium. Sato K, et al. **Am J Physiol** 1982 May; 242(5):C353–9

SWEAT GLAND DISEASES

CHEMICALLY INDUCED

[Chromhidrosis with green sweat. A case report presented as a problem of occupational medicine] Berg O, et al. **Ugeskr Laeger** 1981 Jun 15;143(25):1620–1 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Squamous cell carcinoma complicating hidradenitis suppurativa. Black SB, et al. **J Surg Oncol** 1982 Jan; 19(1):25–6

DRUG THERAPY

Hidradenitis suppurativa-lack of success with 13-cis-retinoic acid [letter] Jones DH, et al. **Br J Dermatol** 1982 Aug; 107(2):252

ETIOLOGY

Neutrophilic eccrine hidradenitis. A distinctive type of neutrophilic dermatosis associated with myelogenous leukemia and chemotherapy. Harrist TJ, et al. **Arch Dermatol** 1982 Apr;118(4):263–6

The role of depilation and deodorants in hidradenitis suppurativa. Morgan WP, et al. **Arch Dermatol** 1982 Feb; 118(2):101–2

RADIOGRAPHY

[Changes in the kidneys and upper urinary tracts in dyshidrotic eczema based on x-ray study data] Bologan IN. **Vestn Rentgenol Radiol** 1981 Sep-Oct;(5):80 **(Rus)**

SURGERY

Surgery of the sweat glands. Ellis H. **J R Soc Med** 1982 Aug;75(8):585–7

[Suppurative hidradenitis and acne conglobata] Koopmann MD, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):411–4 (Eng. Abstr.) **(Dut)**

[Methods of surgical treatment of chronic suppurative recurrent hidradenitis] Wallenberg LR, et al. **Lakartidningen** 1981 May 13;78(20):2071–2 **(Swe)**

SWEAT GLAND NEOPLASMS

Malignant eccrine acrospiroma. A case report. Ogilvie JW. **J Bone Joint Surg [Am]** 1982 Jun;64(5):780–2

COMPLICATIONS

Paget's disease of the vulva with underlying apocrine adenocarcinoma and local lymph node invasion. Dietel M, et al. **Pathol Res Pract** 1981 May;171(3-4):353–61

DIAGNOSIS

[Disseminated syringoma and trisomy 21 (author's transl)] Lechner W, et al. **Z Hautkr** 1981 Nov 15;56(22):1467–70 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Clear cell acanthoma: not of sweat gland origin. Penneys NS, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):569–70

Carcinoembryonic antigen in benign sweat gland tumors. Penneys NS, et al. **Arch Dermatol** 1982 Apr;118(4):225–7

PATHOLOGY

Acral syringoma: electron microscopic studies on its origin. Asai Y, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):64–8

Nevus comedonicus syndrome [letter] Engber PB. **Arch Dermatol** 1982 Jan;118(1):1

Pigmented eccrine acrospiroma. Report of a case. Fathizadeh A, et al. **Arch Dermatol** 1981 Sep;117(9):599–600

Cylindroma and eccrine spiradenoma coexistent in the same lesion. Goette DK, et al. **Arch Dermatol** 1982 Apr; 118(4):274–4

Paget's disease of the penis and adjacent skin: its association with fatal sweat gland carcinoma. Mitsudo S, et al. **Arch Pathol Lab Med** 1981 Oct;105(10):518–20

Malignant mixed tumor of the skin: malignant chondroid syringoma. Redono C, et al. **Cancer** 1982 Apr 15; 49(8):1690–6

Syringomata: a bathing trunk distribution. Holden CA, et al. **Clin Exp Dermatol** 1981 Sep;6(5):555–9

Differentiating between apocrine and eccrine hidrocystoma. Bures FA, et al. **Cutis** 1982 Jun;29(6):616, 619–20

Syringomatous tumors of minor salivary gland origin. Johnston CA, et al. **Hum Pathol** 1982 Feb;13(2):182–4

Sweat gland tumors in the eyelids: a clinicopathological analysis of 55 cases. Ni C, et al. **Int Ophthalmol Clin** 1982 Spring;22(1):1–22

Syringomas of the upper extremities with onset in the sixth decade. van den Broek H, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):534–6

Syringoma limited to genitalia of a preadolescent girl. Dekio S, et al. **J Dermatol (Tokyo)** 1981 Oct;8(5):423–6

Eccrine gland adenocarcinoma of the chin. Cabbabe EB. **Plast Reconstr Surg** 1982 Mar;69(3):521–3

[Rare localization of a small sweat gland adenoma of the skin] Lohmann H, et al. **Handchirurgie** 1981;13(3-4):285–7 (Eng. Abstr.) **(Ger)**

[Comedo nevus of the palm, derived from sweat ducts (author's transl)] Nakano K, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Feb;92(2):121–5 **(Jpn)**

[2 cases of comedolike nevus] Divanian RS, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):51–2 **(Rus)**

[Mascaró's eccrine syringofibroadenoma. Discussion of a case] Civatte J, et al. **Med Cutan Iber Lat Am** 1981; 9(3):193–6 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

[Electron microscopic studies on the intracellular granules in syringomas (author's transl)] Nohara T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Feb;91(2):133–42 **(Jpn)**

VETERINARY

Ultrastructural evaluation of adenocarcinomas derived from apocrine glands of the anal sac associated with hypercalcemia in dogs. Meuten DJ, et al. **Am J Pathol** 1982 May;107(2):167–75

Ocular manifestations of metastatic sweat gland adenocarcinoma in a cat. Moise NS, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1100–3

SWEAT GLANDS

Cylindroma and eccrine spiradenoma coexistent in the same lesion. Goette DK, et al. **Arch Dermatol** 1982 Apr; 118(4):274–4

Eccrine gland adenocarcinoma of the chin. Cabbabe EB. **Plast Reconstr Surg** 1982 Mar;69(3):521–3

ANATOMY & HISTOLOGY

Structure of the tight junctions of the human eccrine sweat gland. Briggman JV, et al. **Am J Anat** 1981 Dec; 162(4):357–68

INNERVATION

Innervation of eccrine sweat glands. Sokolov VE, et al. **Biol Bull Acad Sci USSR** 1980 Sep-Oct;7(5):331–46

Innervation of the apocrine sweat glands. Sokolov VE, et al. **Biol Bull Acad Sci Ussr** 1981 May-Jun;8(3):242–54

Morphological evidence for the innervation of apocrine sweat glands in the general hairy skin of the goat. Aoki T, et al. **Cell Tissue Res** 1981;221(1):221–6

METABOLISM

Suggestion of an abnormal anion exchange mechanism in sweat glands of cystic fibrosis patients. Quinton PM. **Pediatr Res** 1982 Jul;16(7):533–7

PATHOLOGY

Psoriasis and adnexal structures [letter] Dawber RP. **Br J Dermatol** 1981 Sep;105(3):357–9

Differentiating between apocrine and eccrine hidrocystoma. Bures FA, et al. **Cutis** 1982 Jun;29(6):616, 619–20

Sweat pore counts in ectodermal dysplasias. Kleinebrecht J, et al. **Hum Genet** 1981;57(4):437–9

Male breast cancer: a case of apocrine carcinoma with psammoma bodies. Bryant J. **Hum Pathol** 1981 Aug; 12(8):751–3

The hyaline eccrinoma. Kwittken J. **Mt Sinai J Med (NY)** 1981 Sep-Oct;48(5):426–30

Sweat gland duct cells in Lafora disease: diagnosis by skin biopsy. Carpenter S, et al. **Neurology (NY)** 1981 Dec; 31(12):1564–8

Comparisons of eccrine sweat gland anatomy in genetic, chromosomal, and other diseases, and a suggested procedure for use of sweat gland measurements in differential diagnosis. Shankle WR, et al. **Teratology** 1982 Apr;25(2):239–45

[A case of unilateral keratosis follicularis (author's transl)] Takahashi F, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jul; 91(8):823–8 **(Jpn)**

[Mascaró's eccrine syringofibroadenoma. Discussion of a case] Civatte J, et al. **Med Cutan Iber Lat Am** 1981; 9(3):193–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Transepithelial potential during strontium-induced spontaneous sweating. Sato K, et al. **Am J Physiol** 1982 May;242(5):C360–5

Effects of some ion transport inhibitors on secretion and reabsorption in intact and perfused single human sweat glands. Quinton PM. **Pflugers Arch** 1981 Oct;391(4):309–13

SECRETION

Transepidermal water loss and sweat gland response in lamellar ichthyosis before and during treatment with etretinate: report of three cases. Kiistala R, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):268–70

Role of calcium in cholinergic and adrenergic mechanisms of eccrine sweat secretion. Sato K, et al. **Am J Physiol** 1981 Sep;241(3):C113–20

Effects of n-hexane, methyl n-butyl ketone, and 2,5-hexane-dione on the excitability of sweat glands in rats to mecholyl. Abe K, et al. **Sangyo Igaku** 1980 Sep; 22(5):380–1

SURGERY

Treatment of axillary hyperhidrosis. Peters WJ. **Cutis** 1982 Apr;29(4):366, 368

Surgery of the sweat glands. Ellis H. **J R Soc Med** 1982 Aug;75(8):585–7

ULTRASTRUCTURE

[Scanning electron microscopic observation of the human eccrine glands (author's transl)] Inoue T. **Nippon Hifuka Gakkai Zasshi** 1981 Apr;91(5):535–42 **(Jpn)**

[An electron microscopic study on secretory process in canine apocrine sweat gland (author's transl)] Iwasaki T. **Nippon Juigaku Zasshi** 1981 Oct;43(5):733–40 (Eng. Abstr.) **(Jpn)**

SWEATING

see related
HYPERHIDROSIS
HYPOHIDROSIS

Normal sweating and tear production in congenital ichthyosifo. ı erythroderma with deafness and keratitis. van Everdingen JJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):76–8

Blood flow and catecholamine concentration in bovine and caprine skin during thermal sweating. Choshniak I, et al. **Comp Biochem Physiol [C]** 1982;71C(1):37–42

Predicting sweat loss response to exercise, environment and clothing. Shapiro Y, et al. **Eur J Applied Physiol** 1982; 48(1):83–96

Responses of men and women to desert heat. Yousef MK. **Int J Biometeorol** 1980 Dec;24 Suppl 2:29–41

Effect of physical training on exercise-induced sweating in women. Araki T, et al. **J Appl Physiol** 1981 Dec; 51(6):1526–32

Effect of blood volume on sweating rate and body fluids in exercising humans. Fortney SM, et al. **J Appl Physiol** 1981 Dec;51(6):1594–600

Automatic dew-point temperature sensor. Graichen H, et al. **J Appl Physiol** 1982 Jun;52(6):1658–60

Central and peripheral inputs in sweating regulation during thermal transients. Libert JP, et al. **J Appl Physiol** 1982 May;52(5):1147–52

Sweating in preterm babies. Harpin VA, et al. **J Pediatr** 1982 Apr;100(4):614–9

Hemihidrosis due to skin pressure with particular remarks on the intensity and area of the pressure stimuli. Tadaki E, et al. **Jpn J Physiol** 1981;31(2):259–67

[Abnormal vasomotor, sudoral and sebaceous reactions in atopic dermatitis (author's transl)] Grosshans E, et al. **Ann Dermatol Venereol** 1982;109(2):151–62 (65 ref.) (Eng. Abstr.) **(Fre)**

[Effectiveness of sweating in a hot environment] Eronin FT, et al. **Voen Med Zh** 1982 May;(5):42–3 **(Rus)**

DRUG EFFECTS

Transepithelial potential during strontium-induced spontaneous sweating. Sato K, et al. **Am J Physiol** 1982 May;242(5):C360–5

SWEATING, GUSTATORY

Auriculotemporal syndrome. Sly RM. **Cutis** 1981 Oct; 28(4):423, 425

[Auriculotemporal syndrome] Cesteleyn L, et al. **Acta Otorhinolaryngol Belg** 1981;35(3–4):322–36 (41 ref.) (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Auriculotemporal syndrome in childhood. Davis RS, et al. **Am J Dis Child** 1981 Sep;135(9):832–3

ETIOLOGY

Frey's syndrome. Scouteris CA, et al. **Oral Surg** 1981 Oct; 52(4):368–71

THERAPY

Frey's syndrome: treatment by chemical sympathectomy. Duthie AM, et al. **S Afr J Surg** 1981 Dec;19(4):239–42

SWEETENING AGENTS

Fast atom bombardment – high field magnet mass spectrometry of 6000 dalton polypeptides. Dell A, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1456–62

Cloning of cDNA encoding the sweet-tasting plant protein thaumatin and its expression in Escherichia coli. Edens L, et al. **Gene** 1982 Apr;18(1):1–12

Preliminary crystallographic studies of a sweet protein, monellin. Tomlinson GE, et al. **J Biol Chem** 1981 Dec 10; 256(23):12476–7

Structure-activity studies on sulfamate sweeteners II: semiquantitative structure-taste relationship for sulfamate (RNHSO–3) sweeteners–the role of R. Spillane WJ, et al. **J Pharm Sci** 1981 Aug;70(8):933–5

Multiple receptor sites mediate sweetness: evidence from cross adaptation. Schiffman SS, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):377–88

ADMINISTRATION & DOSAGE

Plasma glucose and insulin after fructose an high-fructose corn syrup meals in subjects with non-insulin-dependent diabetes mellitus. Akgün S, et al. **Diabetes Care** 1982 Jul–Aug;4(4):464–7

Sugar substitutes: reasons and indications for their use. Ikeda T. **Int Dent J** 1982 Mar;32(1):33–43 (43 ref.)

ADVERSE EFFECTS

Non-nutritive sweeteners and bladder cancer. Hoover R, et al. **Am J Public Health** 1982 Apr;72(4):382–3

An independent analysis of the National Cancer Institute study on non-nutritive sweeteners and bladder cancer. Walker AM, et al. **Am J Public Health** 1982 Apr; 72(4):376–81

Artificial sweeteners and bladder cancer in Manchester, U.K., and Nagoya, Japan. Morrison AS, et al. **Br J Cancer** 1982 Mar;45(3):332–6

Neoplastic lesions in the urinary tract of Wistar rats after treatment with N-methyl-N-nitrosourea (MNU) and artificial sweeteners. Soudah B, et al. **Exp Pathol** 1981; 20(4):197–202

Aspartame and other sweeteners. **Med Lett Drugs Ther** 1982 Jan 8;24(600):1–2

Potential toxicity of a new sugar substitute in patients with liver disease [letter] Uribe M. **N Engl J Med** 1982 Jan 21; 306(3):173–4

Artificial sweeteners in relation to the epidemiology of bladder cancer. Howe GR, et al. **Nutr Cancer** 1981; 2(4):213–6 (23 ref.)

ANALYSIS

Gas chromatographic determination of sorbitol, mannitol, and xylitol in chewing gum and sorbitol in mints. Daniels DH, et al. **J Assoc Off Anal Chem** 1982 May;65(3):588–91

CHEMICAL SYNTHESIS

Diterpenoid sweeteners. Synthesis and sensory evaluation of stevioside analogues nondegradable to steviol. DuBois GE, et al. **J Med Chem** 1981 Nov;24(11):1269–71

Peptide sweeteners. 5. Side-chain homologues relating zwitterionic and trifluoroacetylated amino acid anilide and dipeptide sweeteners. Kawai M, et al. **J Med Chem** 1982 Apr;25(4):397–402

METABOLISM

In vivo and in vitro studies with sulfamate sweeteners. McGlinchey G, et al. **J Pharm Sci** 1982 Jun;71(6):661–5

PHARMACODYNAMICS

Comparison of the metabolic responses to fructose and sucrose sweetened foods. Crapo PA, et al. **Am J Clin Nutr** 1982 Aug;36(2):256–61

Turku sugar studies XXII. A re-examination of the subjects. Mäkinen KK, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:9–28

Effects of a carbohydrate-free diet and sugar substitutes on dental plaque accumulation. Rateitschak-Plüss EM, et al. **J Clin Periodontol** 1982 May;9(3):239–51

Studies to evaluate artificial sweeteners, especially Remsen--Fahlberg saccharin, and their possible impurities, for potential mutagenicity by the Salmonella/mammalian liver microsome test. Herbold BA. **Mutat Res** 1981 Dec; 90(4):365–72

Molecular mechanism of sweet taste: relationship of hydrogen bonding to taste sensitivity for both young and elderly. Schiffman SS, et al. **Neurobiol Aging** 1981 Fall; 2(3):173–85

[Palatinit and xylitol in a gnotobiotic rat experiment] Karle EJ, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):673–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Reversal of fissure caries in the albino rat by sweetening agents. Leach SA, et al. **Caries Res** 1981;15(6):508–11

SWIFT'S DISEASE see **ACRODYNIA**

SWIMBLADDER see **AIR SACS**

SWIMMING

T wave changes associated with training in women swimmers. Lamont LS. **Am Correct Ther J** 1981 Nov–Dec; 35(6):155–8

Exercise intensity, dietary intake, and high-density lipoprotein cholesterol in young female competitive swimmers. Smith MP, et al. **Am J Clin Nutr** 1982 Aug; 36(2):251–5

Swimming-associated gastroenteritis and water quality. Cabelli VJ, et al. **Am J Epidemiol** 1982 Apr;115(4):606–16

The adolescent 'swimmer's back'. Wilson FD, et al. **Am J Sports Med** 1982 May–Jun;10(3):174–6

Swimming and dry land exercises in children with asthma. Schnall R, et al. **Aust Paediatr J** 1982 Mar;18(1):23–7

Behavior of heart rate and incidence of arrhythmia in swimming and diving. Jung K, et al. **Biotelem Patient Monit** 1981;8(4):228–39

Some haematological characteristics of competitive swimmers. Willan PL, et al. **Br J Sports Med** 1981 Dec; 15(4):238–41

Pain perception in competitive swimmers [letter] Keele KD. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):116–7

Induction of swimming in the high spinal stingray by L-DOPA. Williams BJ, et al. **Brain Res** 1981 Sep 7; 220(1):208–13

Acid rain and the eye [letter] Basu PK. **Can Med Assoc J** 1981 Aug 15;125(4):338

The role of dopaminergic and serotonergic mechanisms in the development of swimming ability of young rats. Tamásy V, et al. **Dev Neurosci** 1981;4(5):389–400

Absorption and excretion of cyanuric acid in long-distance swimmers. Allen LM, et al. **Drug Metab Rev** 1982; 13(3):499–516

Differences between swimming and running as stimuli for exercise-induced asthma. Bar-Yishay E, et al. **Eur J Applied Physiol** 1982;48(3):387–97

Plasma renin activity and plasma catecholamines in intact and splenectomized running and swimming beagle dogs. Joles JA, et al. **Eur J Applied Physiol** 1982;49(1):111–9

Blood metabolites during prolonged exercise in swimming and leg cycling. Lavoie JM. **Eur J Applied Physiol** 1982; 48(1):127–33

VO2 peak during free swimming using the backward extrapolation of the O2 recovery curve. Montpetit RR, et al. **Eur J Applied Physiol** 1981;47(4):385–91

Exercise-induced asthma after swimming and bicycle exercise. Bundgaard A, et al. **Eur J Respir Dis** 1982 May; 63(3):245–8

A simple analytical model for the crawl stroke. Martin RB, et al. **J Biomech** 1981;14(8):539–48

Tethered swimming forces in the crawl, breast and back strokes and their relationship to competitive performance. Yeater RA, et al. **J Biomech** 1981;14(8):527–37

Exercise-induced hemolysis in xerocytosis. Erythrocyte dehydration and shear sensitivity. Platt OS, et al. **J Clin Invest** 1981 Sep;68(3):631–8

On peripheral control mechanisms acting on the central pattern generators for swimming in the dogfish. Grillner S, et al. **J Exp Biol** 1982 Jun;98:1–22

Tail thrust of bluefish Pomatomus saltatrix at different buoyancies, speeds, and swimming angles. Ogilvy CS, et al. **J Exp Biol** 1982 Jun;98:105–17

Energetic advantages of burst-and-coast swimming of fish at high speeds. Videler JJ, et al. **J Exp Biol** 1982 Apr; 97:169–78

Motor organization of Tritonia swimming. III. Contribution of intrinsic membrane properties to flexion neuron burst formation. Hume RI, et al. **J Neurophysiol** 1982 Jan; 47(1):91–102

Motor organization of Tritonia swimming. I. Quantitative analysis of swim behavior and flexion neuron firing patterns. Hume RI, et al. **J Neurophysiol** 1982 Jan; 47(1):60–74

Motor organization of Tritonia swimming. II. Synaptic drive to flexion neurons from premotor interneurons. Hume RI, et al. **J Neurophysiol** 1982 Jan;47(1):75–90

The effects of two breathing patterns on selected physiological parameters during a 200-yard simulated freestyle swim in male swimmers. Bell GH. **J Sports Med Phys Fitness** 1981 Sep;21(3):271–8

Physiological effects of training in elite swimmers as measured by a free swimming test. Lavoie JM, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):38–42

Physiological alterations in young swimmers during three years of intensive training. Zauner CW, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):179–85

Continuous treadmill walking versus intermittent treadmill running as maximal exercise tests for young competitive swimmers. Zauner CW, et al. **J Sports Med Phys Fitness** 1981 Jun;21(2):173–8

Delayed menarche and amenorrhea of college athletes in relation to age of onset of training. Frisch RE, et al. **JAMA** 1981 Oct 2;246(14):1559–63

Effect of swimming on forced expiration and sputum clearance in cystic fibrosis. Zach MS, et al. **Lancet** 1981 Nov 28;2(8257):1201–3

Swimming after laryngectomy. Gray RF. **Laryngoscope** 1982 Jul;92(7 Pt 1):815–7

Blood lactate variations in swimming. Treffene RJ. **Med Biol Eng Comput** 1981 May;19(3):370–2

Relationship between power and sprint freestyle swimming. Sharp RL, et al. **Med Sci Sports Exerc** 1982;14(1):53–6

Epilepsy and swimming. Sonnen AE. **Monogr Neural Sci** 1981;5:265–70

Creatine kinase MB isoenzyme among competitive swimmers [letter] Strauss RH, et al. **N Engl J Med** 1982 May 13; 306(19):1180

The interaction of ethanol and swimming upon cardiac mass and mitochondrial function. Farrar RP, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):207–10

Task dependent rate of recovery following serial posterior hypothalamic lesions. Gruenthal M. **Physiol Behav** 1981 Sep;27(3):497–502

Establishing a swimming club for disabled people. Grasty PM. **Physiotherapy** 1981 Oct;67(10):292–5

The Halliwick Method. Martin J. **Physiotherapy** 1981 Oct; 67(10):288–91

Sports medicine (2). Medical problems of long-distance swimming. Mason KD. **Practitioner** 1981 Aug; 225(1358):1165–8

The structure and function of fish schools. Partridge BL. **Sci Am** 1982 Jun;246(6):114–23

[The effect of environment and physical exercise on red blood count in elite female swimmers (author's transl)] Lisý Z. **Cas Lek Cesk** 1982 Jan 22;121(3):74–7 (Eng. Abstr.) **(Cze)**

[Fatal swimming accident by a windsurfer] Schellmann B, et al. **Beitr Gerichtl Med** 1981;39:269–72 (Eng. Abstr.) **(Ger)**

[Dangers of swimming and surfing] Rosemeyer B. **Fortschr Med** 1982 Jul 1;100(25):1173–4 **(Ger)**

[Nutrient input in lakes by bathers (author's transl)] Schulz

L. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):528–48 (Eng. Abstr.) **(Ger)**

[Comparison of exercise-induced bronchospasm (EIB) with bicycle ergometer and swimming (author's transl)] Nishima S, et al. **Arerugi** 1981 Dec;30(12):1157–62 (Eng. Abstr.) **(Jpn)**

[New State Standard 'Hygienic Requirements for Water Recreational Areas' (17.1.5.02--80)] Mozhaev EA, et al. **Gig Sanit** 1982 Apr;(4):25–7 (Eng. Abstr.) **(Rus)**

[Diurnal and seasonal rhythms of cerebral cortex activity during exercise] Shorin IuP, et al. **Probl Endokrinol (Mosk)** 1981;27(6):49–52 (Eng. Abstr.) **(Rus)**

[Experience using therapeutic swimming in scoliosis of children in the Polar region] Drozhzhina LA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug;(4):63 **(Rus)**

[Therapeutic swimming in a pool as a factor in the physical rehabilitation of chronic bronchitis patients] Navrotskii VV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr;(2):53–4 **(Rus)**

[Role of physical exercise in water in the complex treatment of patients with rheumatoid arthritis at the health resorts] Zmievskaia LD, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):30–2 (Eng. Abstr.) **(Rus)**

[Swimming behavior in the rat as a model for the evaluation of brain development] Salas M, et al. **Bol Estud Med Biol** 1980 Jul–Oct;31(3–4):161–8 (40 ref.) (Eng. Abstr.) **(Spa)**

SWIMMING POOLS

Childhood drownings in private swimming pools: an avoidable cause of death. Barry W, et al. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):542–3

High performance liquid chromatographic determination of cyanuric acid in human urine and pool water. Briggle TV, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1222–6

A swimming-pool hazard. Bremner MH. **Med J Aust** 1982 Apr 17;1(8):342–3

An outbreak of skin disease from the use of a spa pool. Stafford SR, et al. **NZ Med J** 1982 Mar 24;95(704):179–80

A survey of fungi and some indicator bacteria in chlorinated water of indoor public swimming pools. Aho R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):242–9

[Hazards of trampolines (letter)] **Ugeskr Laeger** 1981 Feb 23; 143(9):555–7 **(Dan)**

[Drowning accidents among children in private swimming pools in 1973–1977] Bjerrum L, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1495–7 (Eng. Abstr.) **(Dan)**

[Cutaneous mycobacteriosis: epidemiologic study (author's transl)] Beurey J, et al. **Ann Dermatol Venereol** 1981; 108(5):439–42 **(Fre)**

[Chlorine concentration in the swimmer's breathing zone] Jessen HJ, et al. **Z Gesamte Hyg** 1982 Feb;28(2):82–6 (Eng. Abstr.) **(Ger)**

[Hygienical assessment of swimming pool water covers made of plastic (author's transl)] Becker-Birck J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(5):443–52 (Eng. Abstr.) **(Ger)**

[Microbiological studies of small hot-bath-pools and hot-whirl-pools (author's transl)] Exner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):250–9 (Eng. Abstr.) **(Ger)**

[Important hygienic aspects for swimming pools (author's transl)] Somosi G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):260–5 (Eng. Abstr.) **(Ger)**

[Public health administration regulations affecting the use of swimming pools by the severely handicapped and patients with diseases of the locomotor system (letter)] **Orv Hetil** 1982 Jun 20;123(25):1577–8 **(Hun)**

STANDARDS

Drownings in private swimming pools [letter] Hassall IB. **NZ Med J** 1982 Feb 24;95(702):129–30

The safety standards of domestic swimming pools. Horwood LJ, et al. **NZ Med J** 1981 Dec 9;94(697):417–9

Spa pool hygiene [letter] Seeman IM, et al. **NZ Med J** 1982 Apr 28;95(706):286

[Hygienic and technical conditions Berlin indoor pools 1979 – status report] Jessen HJ, et al. **Z Gesamte Hyg** 1982 Feb; 28(2):79–82 (Eng. Abstr.) **(Ger)**

SWINE

Effect of oxytocin and its long-acting analog on milk let-down and intramammary pressure in healthy lactating sows. Cort N, et al. **Am J Vet Res** 1982 Jul;43(7):1283–5

Dermal myiasis: the porcine lipid cure. Sauder DN, et al. **Arch Dermatol** 1981 Nov;117(11):681–2

Pesticide usage on pigs in Scotland 1979. Tucker GG, et al. **Br Vet J** 1982 Jan–Feb;138(1):35–9

Mechanical factors and the regulation of perfusion through atelectatic lung in pigs. Enjeti S, et al. **J Appl Physiol** 1982 Mar;52(3):647–54

The effect of chronic neonatal guanethidine treatment on body composition in pigs. Gregory NG, et al. **Vet Res Commun** 1981 Dec;5(2):177–82

A comparison of four short-acting anesthetic combinations for swine. Cantor GH, et al. **VM SAC** 1981 May; 76(5):715–20

[The effect of feeding technics on dust levels in pig fattening barns] Drybčák J. **Vet Med (Praha)** 1981 Aug;26(8):491–5 (Eng. Abstr.) **(Cze)**

[The effect of adding dried pig feces to the diet of egg-laying hens on the quality of eggs] Gilka J, et al. **Vet Med (Praha)** 1981 Sep;26(9):553–66 (Eng. Abstr.) **(Cze)**

[Determination of cis-diamminedichloroplatinum compound toxicity in pigs from the viewpoint of pathomorphology] Neuhybel P, et al. **Vet Med (Praha)** 1982 May;27(5):275–82 (Eng. Abstr.) **(Cze)**

[Feed value of krill meal in laboratory animals, pigs and broilers] Heinz T, et al. **Arch Tierernahr** 1981 Jul; 31(7–8):537–47 (Eng. Abstr.) **(Ger)**

[Ethological studies on groups of the Göttingen Miniature Pig(author's transl)] Sippel RA, et al. **DTW** 1982 Mar 8; 89(3):97–104 (Eng. Abstr.) **(Ger)**

[An experimental animal model of aortic coarctation] Sedlařik K, et al. **Z Exp Chir** 1981;14(4):218–29 (Eng. Abstr.) **(Ger)**

[Behavioral reactions of domestic swine to odors] Sambraus HH. **Zentralbl Veterinarmed [A]** 1981;28(2):95–101 (Eng. Abstr.) **(Ger)**

[Types of triglyceridase in the pig aorta] Iusupova GI. **Biull Eksp Biol Med** 1981 Nov;92(11):554–5 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of a method for treating sewage from a swine-breeding farm complex on irrigated cropped fields] Mozhaev EA, et al. **Gig Sanit** 1982 Jun;(6):13–6 (Eng. Abstr.) **(Rus)**

[Effect of the working conditions on women machine operators on a swine-breeding farm complex] Olefir AI, et al. **Gig Sanit** 1981 Aug;(8):81–2 **(Rus)**

[Atmospheric pollution by ammonia in the environs of swine-breeding farm complexes] Poliak VE. **Gig Sanit** 1981 Jun;(6):67 **(Rus)**

[Nutritive value of the malanga tuber (Colocasia esculenta) for swine and chickens] Murillo B, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):27–43 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Structure of the prostate and the pelvic urethra in barrows and the changes induced by diethylstilbestrol. Lauwers H, et al. **Acta Anat (Basel)** 1981;110(4):327–37

Organ weights of the newborn pig. Characterization and comparison of pigs dying within 48 hours of birth with those of unaffected, growing pigs: stillborn intra partum pigs, weak pigs, splayleg pigs, splayleg and weak (splayweak) pigs, and traumatized pigs. Svendsen LS. **Acta Vet Scand [Suppl]** 1982;78:1–205

Ultrastructural evidence of a functional heterogeneity among physeal chondrocytes in growing swine. Wilsman NJ, et al. **Am J Vet Res** 1981 Sep;42(9):1547–53

The placenta of the pig. II. The ultrastructure of the areolae. Friess AE, et al. **Anat Embryol (Berl)** 1981;163(1):43–53

Organ distribution and fate of newly formed splenic lymphocytes in the pig. Pabst R, et al. **Anat Rec** 1982 Jan; 202(1):85–94

Interfollicular smooth muscle in the skin of the domesticated pig (Sus scrofa). Stromberg MW, et al. **Anat Rec** 1981 Nov; 201(3):455–62

Elastic fibre arrangement in the skin of the pig. Meyer W, et al. **Arch Dermatol Res** 1981;270(4):391–401

Segi's cap, a large aggregation of endocrine cells on the intestinal villi, occurs also in cattle and pig fetuses. Yamada J, et al. **Arch Histol Jpn** 1981 May;44(2):193–7

Muscle fibre type, fibre diameter and pH1 values of M. longissimus dorsi of normal, malignant hyperthermia- and PSE-susceptible pigs. Heffron JJ, et al. **Br Vet J** 1982 Jan–Feb;138(1):45–50

Scanning electron-microscopic study of lens fibers of the pig. Hoyer HE. **Cell Tissue Res** 1982;224(1):225–32

The arterial supply of the pig calcaneus. Miladinović Z, et al. **Folia Morphol (Praha)** 1981;29(3):224–6

Collagen fibre arrangement in the skin of the pig. Meyer W, et al. **J Anat** 1982 Jan;134(Pt 1):139–48

Subcutaneous adipose tissue development in Yorkshire (lean) and Ossabaw (obese) pigs. Hausman GJ, et al. **J Anim Sci** 1981 Jun;52(6):1442–9

The ultrastructural morphology of the skeletal muscles of normal pigs and pigs with splayleg from birth to one week of age. Bradley R, et al. **J Comp Pathol** 1980 Jul; 90(3):433–46

The light microscopical morphology of the skeletal muscles of normal pigs and pigs with splayleg from birth to one week of age. Ward PS, et al. **J Comp Pathol** 1980 Jul; 90(3):421–31

Paneth cells in the pig-a controversial issue [letter] Myer MS. **J S Afr Vet Assoc** 1982 Mar;53(1):69

Genetic selection for small body size in Yucatan miniature pigs. Panepinto LM, et al. **Lab Anim Sci** 1981 Aug; 31(4):403–4

Intracellular vacuoles or vesicles and invagination in boar spermatozoa. Kojima Y. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):37–41

Surface morphology of the papilla and pelvis in mammalian kidneys. Castellucci M. **Prog Clin Biol Res** 1981;59B:37–47

Evidence for the presence of brown adipose tissue in the pig. Dauncey MJ, et al. **Res Vet Sci** 1981 Jul;31(1):76–81

Weight and ascorbic acid content of the adrenal glands in pigs. Warriss PD. **Res Vet Sci** 1981 Sep;31(2):219–23

Impotence in the boar: angioarchitecture and venous drainage of the penis in normal boars. Ashdown RR, et al. **Vet Rec** 1981 Oct 24;109(17):375–82

Morphological and histochemical type differentiation of the primary and secondary foetal muscle fibres in neonatal piglets. Lukáš Z, et al. **Zentralbl Veterinarmed [A]** 1982 Mar;29(2):107–22

Histochemical investigation on the distribution of adrenergic nerve terminals in the porcine oviduct. Rodriguez-Martinez H, et al. **Zentralbl Veterinarmed [A]** 1982 Feb;29(1):64–71

[The effect of long term administration of aflatoxins on the health status of male rats and pigs with respect to morphological changes in the testes] Piskač A, et al. **Vet Med (Praha)** 1982 Feb;27(2):101–11 (Eng. Abstr.) **(Cze)**

[Demonstration of 2 distinct glomerular populations by a sieving technic in the kidney cortex of the pig] Martin-Dupont P, et al. **C R Soc Biol (Paris)** 1981; 175(6):787–91 (Eng. Abstr.) **(Fre)**

[Subgross anatomy of the classical liver lobule of swine] Wünsche A. **Anat Anz** 1981;10(4):342–50 (Eng. Abstr.) **(Ger)**

[Histometric studies of neurons of selected nuclear regions in the hypothalamic sex centers of swine (Sus scrofa domesticus) under various lighting conditions] Grütze I, et al. **Arch Exp Veterinarmed** 1981;35(5):763–79 (Eng. Abstr.) **(Ger)**

[Morphological changes in the cerebral epiphysis of female and castrated male swine under various light regimens] Gutte G, et al. **Arch Exp Veterinarmed** 1982;36(2):315–21 (Eng. Abstr.) **(Ger)**

[Comparative light and electron microscopic studies of spermiogenesis in the male rabbit, boar and ram] Menger H, et al. **Arch Exp Veterinarmed** 1981;35(3):359–74 (Eng. Abstr.) **(Ger)**

[Comparative study of muscle fiber types in M. longissimus dorsi of domestic and wild pigs using the myosin-ATPase reaction] Szentkuti L, et al. **DTW** 1981 Oct 5;88(10):407–11 (Eng. Abstr.) **(Ger)**

[The neuronal organization of the plexus myentericus (Auerbach) in the small intestine of the pig. II. Typ II-neurone (author's transl)] Stach W. **Z Mikrosk Anat Forsch** 1981;95(2):161–82 (Eng. Abstr.) **(Ger)**

[Anatomical and hemodynamic study of the testicular artery in mongrel dogs and dwarf pigs] Fuhse J, et al. **Z Urol Nephrol** 1982 Feb;75(2):93–7 (Eng. Abstr.) **(Ger)**

[Experimental study of sacral bladder innervation in swine (Sus scrofa)] Conzen M, et al. **Zentralbl Veterinarmed [A]** 1981;28(3):177–82 (Eng. Abstr.) **(Ger)**

[Sources of the cerebrospinal afferent innervation of the pig thyroid gland] Amvraos'ev AP, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):38–42 (Eng. Abstr.) **(Rus)**

BLOOD

Plasma constituents in the sow. Minerals, glucose, urea-N, protein and transaminases in relation to weaning. Benjaminsen E, et al. **Acta Vet Scand** 1981;22(3–4):382–90

Blood concentrations of oxytocin equivalents after single injections of deamino-1-monocarba-[2-O-methyltyrosine]-oxytocin in lactating sows. Cort N, et al. **Am J Vet Res** 1981 Oct; 42(10):1804–6

Carboxyhemoglobin values in swine relative to carbon monoxide exposure: guidelines for monitoring animal and human health hazards in swine-confinement buildings. Donham KJ, et al. **Am J Vet Res** 1982 May;43(5):813–6

Changes in serum FSH concentrations in the pig during development. Colenbrander B, et al. **Biol Reprod** 1982 Feb; 26(1):105–9

Relaxin levels in the maternal plasma of pigs before, during, and after parturition and before, during, and after suckling. Sherwood OD, et al. **Biol Reprod** 1981 Aug;25(1):65–71

Blood sampling in pigs. Muirhead MR. **In Pract** 1981 Sep; 3(5):16, 18–20

Estrogens and piglet viability. I. Serum estrogen concentrations in piglets. Bate LA, et al. **J Anim Sci** 1982 May;54(5):1012–6

Blood lactate kinetics in normal and stress-susceptible pigs. Darrah PS, et al. **J Anim Sci** 1981 Oct;53(4):1000–5

Fasting plasma hormones and metabolites in feral and domestic newborn pigs. Kasser TR, et al. **J Anim Sci** 1981 Aug;53(2):420–6

Progesterone and estrogen concentrations in gilts with delayed parturition. Wilson ME, et al. **J Anim Sci** 1981 Feb;52(2):323–9

Porcine LH levels during the estrous cycle, gestation, parturition and early lactation. Ziecik A, et al. **J Anim Sci** 1982 Jun;54(6):1221–6

Effect of mating on the luteinizing hormone surge in the pig. Ziecik A, et al. **J Anim Sci** 1981 Aug;53(2):434–8

Gonadotrophin, total oestrogen and progesterone concentrations in plasma of lactating sows with particular reference to lactational oestrus. Duggan RT, et al. **J Reprod Fertil** 1982 Mar;64(2):303–13

A method for quantitation of hepatic, pancreatic, and intestinal function in conscious Yucatan miniature swine. Hand MS, et al. **Lab Anim Sci** 1981 Dec;31(6):728–31

The relationship of hematocrit levels to skin flap survival length in the pig. Alperstein JB, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):750–2

Serum luteinizing hormone, testosterone, prolactin and cortisol concentrations after PGF2 alpha in the boar. Fonda ES, et al. **Prostaglandins** 1981 Jun;21(6):933–43

Changes in plasma pancreatic polypeptide and gastrin in sows after eating and atropine. Comline RS, et al. **Res Vet Sci** 1981 Sep;31(2):140–3

Half-life of 13,14-dihydro-15-keto prostaglandin f2 alpha in peripheral plasma of the pig. Martin KA, et al. **Res Vet Sci** 1981 Nov;31(3):387–9

Changes in fetal and maternal blood at the end of pregnancy and during parturition in the pig. Randall GC. **Res Vet Sci** 1982 May;32(3):278–82

Changes in the acid-base parameters of venous porcine blood caused by the storage and the method of sampling. van der Wal PG, et al. **Tijdschr Diergeneeskd** 1981 Oct; 106(20):suppl 3:200–5

Serum alkaline and acid phosphatase values in market weight pigs reared in a tropical environment. Kasali OB, et al. **Zentralbl Veterinarmed** [A] 1981;28(3):183–6

[Determination of serum albumin concentration in pigs using bromcresol green] Dvořák M. **Vet Med (Praha)** 1981 Aug; 26(8):481–9 (Eng. Abstr.) **(Cze)**

[Biochemical parameters of blood sera from clinically healthy boars of the Large White, Landrace and Duroc breeds] Forejtek P, et al. **Vet Med (Praha)** 1981 Sep;26(9):533–41 (Eng. Abstr.) **(Cze)**

[Biochemical changes in the blood of pigs after exertion] Toulová M, et al. **Vet Med (Praha)** 1981 Nov;26(11):669–76 (Eng. Abstr.) **(Cze)**

[Further studies of swine reaction to fixation with a maxillary sling based on metabolic and hematologic parameters] Brenner KV, et al. **Arch Exp Veterinarmed** 1981;35(3):401–7 (Eng. Abstr.) **(Ger)**

[Effects of adrenaline, noradrenaline and isoprenaline administration on carbohydrate and lipid metabolism parameters in swine blood plasma] Brenner KV, et al. **Arch Exp Veterinarmed** 1981;35(5):697–706 (Eng. Abstr.) **(Ger)**

[Dose-dependent action of insulin on carbohydrate and lipid metabolism parameters in swine blood plasma] Brenner KV, et al. **Arch Exp Veterinarmed** 1982;36(2):269–78 (Eng. Abstr.) **(Ger)**

[Determination of adenosine deaminase activity in erythrocytes of swine of various age groups] Grün E, et al. **Arch Exp Veterinarmed** 1981;35(5):675–85 (Eng. Abstr.) **(Ger)**

[Total protein, albumin and alpha, beta gamma globulin levels in the blood serum of young boars as related to age and genetic configuration] Jugert L, et al. **Arch Exp Veterinarmed** 1981;35(5):661–74 (Eng. Abstr.) **(Ger)**

[Relations between various measures of blood concentration and blood volume in sows] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981;35(5):707–14 (Eng. Abstr.) **(Ger)**

[Various constituents and trace elements in blood plasma of boars] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981; 35(6):903–15 (Eng. Abstr.) **(Ger)**

[Relation between various quantity measures in sow blood during pregnancy and lactation] Steinhardt M, et al. **Arch Exp Veterinarmed** 1982;36(2):203–9 (Eng. Abstr.) **(Ger)**

[Determination of the galactokinase activity of erythrocytes of swine of various ages] Busch M, et al. **Folia Haematol (Leipz)** 1981;108(6):795–808 (Eng. Abstr.) **(Ger)**

[Blood and serum values of Goettingen miniature swine. 2. Effect of endogenous and exogenous factors on the concentration of lipids, proteins and protein metabolites] Scholz K, et al. **Zentralbl Veterinarmed** [A] 1982 Feb; 29(1):47–63 (Eng. Abstr.) **(Ger)**

[Blood and serum values of Goettingen miniature swine. 1. Effect of blood sampling method on the concentration of lipids, proteins and protein metabolites] Scholz K, et al. **Zentralbl Veterinarmed** [A] 1982 Feb;29(1):36–46 (Eng. Abstr.) **(Ger)**

[Hematochemical characteristics of miniature pig Göttingen (miniature pig G) (author's transl)] Zamami T, et al. **Jikken Dobutsu** 1981 Oct;30(4):435–43 (Eng. Abstr.) **(Jpn)**

[The effect of feeding clinoptilolite on the health status, blood picture and weight gain in pigs] Vrzgula L, et al. **Vet Med (Praha)** 1982 May;27(5):267–74 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Ultrastructural analysis of skeletal muscle development in the fetal pig. Campion DR, et al. **Acta Anat (Basel)** 1981; 110(3):277–84

Alpha-fetoprotein in the brain of developing rats and pigs. An immunofluorescent study of cell-and-tissue differentiation. Mareš V, et al. **Basic Appl Histochem** 1982; 26(1):53–63

Role of uteroferrin in iron transport and macromolecular uptake by allantoic epithelium of the porcine conceptus. Ducsay CA, et al. **Biol Reprod** 1982 May;26(4):729–43

Relationship between uterine progesterone and fetal development in pigs. Kephart KB, et al. **Biol Reprod** 1981 Sep;25(2):349–52

Development of the porcine fetal adrenal in late gestation. Lohse JK, et al. **Biol Reprod** 1981 Aug;25(1):181–90

Development of sexual dimorphism in the embryonic gonad. Pelliniemi LJ, et al. **Hum Genet** 1981;58(1):64–7

The development of adipocytes located around hair follicles in the fetal pig. Hausman GJ, et al. **J Anim Sci** 1982 Jun; 54(6):1286–96

Development of one-cell porcine embryos in two culture systems. Menino AR Jr, et al. **J Anim Sci** 1982 Mar; 54(3):583–8

Effects of serum on swine morulae and blastocysts in vitro. Robl JM, et al. **J Anim Sci** 1981 Jun;52(6):1450–6

[Fetal death in gilts and embryonic and fetal growth] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(5):687–95 (Eng. Abstr.) **(Ger)**

[Cytology of the swine embryo] Roschlau K, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):129–31 (Eng. Abstr.) **(Ger)**

[Glucose-6-phosphate dehydrogenase polymorphism and the dynamics of its many molecular forms in various tissues at different stages of the embryonic development of swine] Golubiĭ EM, et al. **Ontogenez** 1982 Mar–Apr;13(2):197–201 (Eng. Abstr.) **(Rus)**

GENETICS

Linkage of genes for PHI, halothane sensitivity, A–O inhibition, H red blood cell antigens and 6-PGD variants in pigs. Rasmusen BA. **Anim Blood Groups Biochem Genet** 1981;12(3):207–9

A Robertsonian translocation in the domestic pig (Sus scrofa) 37,XX,-13,-17,t rob(13;17). Alonso RA, et al. **Ann Genet (Paris)** 1982;25(1):50–2

Studies on transferrins of blood serum as selection criteria for animals in breeding herds. Chudoba K, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):465–73

Differential fluorescent staining of porcine heterochromatin by chromomycin A3/distamycin A/DAPI and D 287/170. Schnedl W, et al. **Cytogenet Cell Genet** 1981;31(4):249–53

Sequential Q- and C-band staining of pig chromosomes, and some comments on C-band polymorphism and C-band technique. Hansen KM. **Hereditas** 1982;96(2):183–9

Meiotic behaviour of a rcp (13q-; 14q+) translocation in heterozygous pigs. King WA. **Hereditas** 1981;94(2):235–40

Gametic products transmitted by rcp(13q-;14q+) translocation heterozygous pigs, and resulting embryonic loss. King WA, et al. **Hereditas** 1981;95(2):239–46

Possibilities for genetic manipulation of sex ratio in livestock. Hohenboken WD. **J Anim Sci** 1981 Feb;52(2):265–77

Comparisons of specific crosses from Landrace, Duroc-Landrace and Yorkshire-Landrace sows. Kuhlers DL, et al. **J Anim Sci** 1981 Jul;53(1):40–8

Porcine stress syndrome and postmortem muscle characteristics of two purebreds and three specific terminal crosses. Kukoyi EA, et al. **J Anim Sci** 1981 Feb; 52(2):278–84

The constitutive heterochromatin of porcine chromosomes. Lin CC, et al. **J Hered** 1982 May-Jun;73(3):231–3

Inheritance of porcine stress syndrome. Mabry JW, et al. **J Hered** 1981 Nov-Dec;72(6):429–30

Transplantation in miniature swine. XII. N-terminal sequences of class I histocompatibility antigens (SLA) and beta 2-microglobulin. Metzger JJ, et al. **J Immunol** 1982 Aug;129(2):716–21

Transplantation in miniature swine. X. Evidence for non-SLA-linked immune response gene(s) controlling rejection of SLA-matched kidney allografts. Pennington LR, et al. **Transplantation** 1981 Oct;32(4):315–20

Genetic studies on the in vitro PHA-transformation of porcine blood lymphocytes. Jensen PT, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):133–43

Inheritance of Escherichia coli K88 adhesion in pigs: identification of nonadhesive phenotypes in a commercial herd. Snodgrass DR, et al. **Vet Rec** 1981 Nov 21; 109(21):461–3

[Transmissible gastroenteritis in a swine raising unit of 1,200 productive sows. 3. Course of selection-based eradication] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(6):837–44 **(Ger)**

[Genetic characteristics of the 1st Soviet miniswine Minisibs. II. The immunogenetic characteristics of laboratory Minisibs] Tikhonov VN, et al. **Genetika (Moskva)** 1981; 17(9):1677–89 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Postnatal morphogenesis of the anconeal process of the ulna of swine. Kincaid SA, et al. **Am J Vet Res** 1981 Dec; 42(12):2158–61

The effect of pen design and the tranquilising drug, azaperone, on the growth and behaviour of weaned pigs. Blackshaw JK. **Aust Vet J** 1981 Jun;57(6):272–5

Some muscle and growth characteristics of pigs susceptible to stress. Mitchell G, et al. **Br Vet J** 1981 Jul-Aug; 137(4):374–80

Growth, development and chemical composition of the pig. IV. Relative growth of visceral organs. Doornenbal H, et al. **Growth** 1981 Winter;45(4):279–85

Metabolic actions of growth hormone in pigs. Anderson LL, et al. **J Anim Sci** 1981 Aug;53(2):363–70

Adjusting preweaning pig weights to a standard age. Bereskin B, et al. **J Anim Sci** 1982 Feb;54(2):235–40

Restricted energy intake and elevated calcium and phosphorus intake for gilts during growth. I. Feedlot performance and foot and leg measurements and scores during growth. Calabotta DF, et al. **J Anim Sci** 1982 Mar; 54(3):565–75

Effect of heat increment and level of dietary energy and environmental temperature on the performance of growing-finishing swine. Coffey MT, et al. **J Anim Sci** 1982 Jan;54(1):95–105

Effects of copper, with and without ferrous sulfide, and antibiotics on the performance of pigs. Ribeiro de Lima F, et al. **J Anim Sci** 1981 Feb;52(2):241–7

Response of the pulmonary circulation to acute hypoxia in the growing pig. Rendas A, et al. **J Appl Physiol** 1982 Apr;52(4):811–4

Utilization of intravenously administered glucose-oligosaccharides in growing miniature pigs. Andersen DW, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):304–9

Pig trypanosomiasis: effects of infection on feed intake, liveweight gain and carcass traits. Ilemobade AA, et al. **Trop Anim Health Prod** 1981 Aug;13(3):128–36

Steatitis in fattening pigs. Kirby PS. **Vet Rec** 1981 Oct 24; 109(17):385

Bioproteins in the feeding of growing-finishing pigs in Norway. V. A methanol-based yeast (Pichia aganobii) replacing soybean meal as protein supplement in cereal diets. Hanssen JT. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):201–9

[Effect of salinomycin (K 364) on the fattening of pigs] Drumev D, et al. **Vet Med Nauki** 1982;19(1):64–9 (Eng. Abstr.) **(Bul)**

[Vivisection studies on the effects of unilateral tooth extraction on growth of the skull amd masticatory musculature (author's transl)] Otto B, et al. **Anat Anz** 1981; 150(5):471–84 (Eng. Abstr.) **(Ger)**

[Lysine requirement of fattening boars with reference to their performance. 4. Selected quantitative characteristics of the carcass and derivation of the lysine requirement] Michelchen G, et al. **Arch Tierernahr** 1981 Jul; 31(7-8):513–8 (Eng. Abstr.) **(Ger)**

[Effect of a frequent administration of a daily lysine supplement on the utilization of nutrients in pigs from 20 to 100 kg body weight. 1. Description of methods, growth and food utilization] Walz OP. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(3):113–24 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Failure of swine influenza virus to cause transplacental infection of porcine fetuses. Brown TT Jr, et al. **Am J Vet Res** 1982 May;43(5):817–9

Possible factors influencing the immunoglobulin M concentration in swine colostrum. Inoue T. **Am J Vet Res** 1981 Aug;42(8):1429–32

Partial characterization of procomplementary activity of porcine serum and its relations'ıp to the fifth component of complement. Jensen MT, et al. **Am J Vet Res** 1981 Dec; 42(12):2071–3

Duration and biological half-life of passively acquired colostral antibodies to porcine parvovirus. Paul PS, et al. **Am J Vet Res** 1982 Aug;43(8):1376–9

A comparative survey using the gel diffusion precipitin and haemagglutination-inhibition tests for porcine parvovirus antibody [letter] Smith VW, et al. **Aust Vet J** 1982 Jan; 58(1):33

Sensitisation against environmental antigens and respiratory symptoms in swine workers. Katila ML, et al. **Br J Ind Med** 1981 Nov;38(4):334–8

The influence of immunopotentiators on sucking piglets with special reference to the incidence of pig scour. Namioka S, et al. **Br Vet J** 1982 Mar-Apr;138(2):155–67

Induced latency in pseudorabies vaccinated pigs. Mock RE, et al. **Can J Comp Med** 1981 Jan;45(1):56–9

Measurement of porcine faecal IgA, IgG and IgM levels by a competitive enzyme-linked immunosorbent assay. Franz J, et al. **Clin Exp Immunol** 1981 Mar;43(3):645–9

Urticaria from pig's gut. Moseng D. **Contact Dermatitis** 1982 Mar;8(2):135–6

Conformational changes induced by hapten in pig antibodies to the dinitrophenyl group. Analysis by temperature-perturbation and solvent-perturbation spectroscopy. Loseva OI, et al. **Eur J Biochem** 1982 Jan; 121(3):631–5

Natural killing and antibody-dependent cellular cytotoxicity in specific-pathogen-free miniature swine and germ-free piglets. II. Ontogenic development development of NK and ADCC. Huh ND, et al. **Int J Cancer** 1981 Aug 15; 28(2):175–8

Effects of cold and weaning stressors on the antibody-mediated immune response of pigs. Blecha F, et al. **J Anim Sci** 1981 Aug;53(2):439–47

Direct detection of two cross-reactive antigens between porcine and rabbit zonae pellucidae by radioimmunoassay and immunoelectrophoresis. Wood DM, et al. **J Exp Zool** 1981 Sep;217(3):423–33

Enzyme-linked immunosorbent assay for detection of antibodies to Japanese encephalitis virus in swine sera. Konishi E, et al. **Kobe J Med Sci** 1982 Feb;28(1):7–17

Fractionation and identification of pig lymph node plasma membrane glycoproteins. Barber BH, et al. **Mol Immunol** 1982 Feb;19(2):201–17

Characterization of antigen-specific receptors from pig lymphocytes. Tučková L, et al. **Mol Immunol** 1982 Jan;

19(1):51-7

Establishment of an attenuated strain of porcine parvovirus by serial passage at low temperature. Fujisaki Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Spring;22(1):1-7

Characterization of a porcine genomic clone encoding a major histocompatibility antigen: expression in mouse L cells. Singer DS, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1403-7

Regulation of humoral immunity in the piglet by immunoglobulins of maternal origin. Klobasa F, et al. **Res Vet Sci** 1981 Sep;31(2):195-206

Effect of dietary vitamin E and selenium on the phytohaemagglutinin response of pig lymphocytes. Larsen HJ, et al. **Res Vet Sci** 1981 Nov;31(3):301-5

Immunoglobulin content of the respiratory tract secretions of piglets from birth to 10 weeks old. Morgan KL, et al. **Res Vet Sci** 1981 Jul;31(1):40-2

Antibody response of pigs to foot-and-mouth disease oil emulsion vaccine: the antibody classes involved.Ouldridge EJ, et al. **Res Vet Sci** 1982 May;32(3):327-31

Effect of a hog cholera vaccine strain on the bactericidal activity of porcine alveolar macrophages. Pijoan C, et al. **Rev Latinoam Microbiol** 1980 Apr-Jun;22(2):69-71

Organisation of the lymphoreticular system and lymphocyte markers in the pig. Binns RM. **Vet Immunol Immunopathol** 1982 Jan;3(1-2):95-146 (143 ref.)

Effects of ionizing radiation on in vitro proliferative responses of porcine peripheral blood lymphocytes. Gasbarre LC, et al. **Vet Immunol Immunopathol** 1982 May; 3(3):301-9

In vitro evaluation of porcine lymphocyte response to phytohaemagglutinin using a modified 'whole blood' technique. Jensen PT, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):121-32

Intranasal vaccination of pigs against Aujeszky's disease. 1. Comparison of intranasal and parenteral vaccination with an attenuated vaccine in 12-week-old pigs from immunized dams. de Leeuw PW, et al. **Vet Q** 1982 Apr;4(2):49-56

Effect of immunising pregnant sows with different Escherichia coli vaccines on the antibody levels in the piglet sera. Logan EF, et al. **Vet Rec** 1981 Dec 5; 109(23):513-4

E coli vaccination in pigs [letter] Nagy LK, et al. **Vet Rec** 1982 Feb 13;110(7):159

Evaluation of the cell mediated immune response in pigs using 2,4-dinitrochlorobenzene. Rajan A, et al. **Vet Rec** 1982 Feb 20;110(8):173-4

Immunisation of pigs against experimental infection with Bordetella bronchiseptica. Smith IM, et al. **Vet Rec** 1982 May 22;110(21):488-94

Changes in colostral and serum IgG content in swine in relation to time. Frenyó VL, et al. **Vet Res Commun** 1981 Apr;4(4):275-82

In vitro study of the cellular response of pigs vaccinated against classical swine fever. Remond M, et al. **Zentralbl Veterinarmed [B]** 1981;28(9-10):743-8

[Immunoglobulin secretion in fetal swine organs in in vitro systems] Franz J, et al. **Vet Med (Praha)** 1982 Jan;27(1):11-8 (Eng. Abstr.) **(Cze)**

[Aujeszky's disease: maternal immunity of piglets born of sows inoculated with various vaccines (author's transl)] Truijen WT, et al. **Tijdschr Diergeneeskd** 1981 Aug 1; 106(15):756-66 (Eng. Abstr.) **(Dut)**

[Porcine B-lymphocyte antigens and their identification] Cwik S, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):310-8 (Eng. Abstr.) **(Ger)**

[On the immunoserological modification of the human type A influenza virus in animals (author's transl)] Satsuta K, et al. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):3-11 (Eng. Abstr.) **(Jpn)**

[Serogical studies on an epidemic prevalence of swine type influenza virus among swine and human beings (author's transl)] Satsuta K, et al. **Nippon Juigaku Zasshi** 1981 Aug; 43(4):531-8 (Eng. Abstr.) **(Jpn)**

[Antigenic composition of the serum proteins of adult swine and fetuses based on immunochemical analysis data] Aleshko SF. **Biol Nauki** 1981;(7):26-30 **(Rus)**

[Experience producing and raising antigen-free miniature pigs for biomedical research] Bolotskikh LA. **Vestn Akad Med Nauk SSSR** 1981;(5):42-3 (Eng. Abstr.) **(Rus)**

METABOLISM

Absorption of amino acids in different parts of the small intestine in growing pigs. II. Effect of addition of certain amino acids on absorption of different amino acids from acid hydrolysed casein. Buraczewska L. **Acta Physiol Pol** 1981 Jul-Aug;32(4):429-36

Absorption of amino acids in different parts of the small intestine in growing pigs. I. Absorption of free amino acids and water. Buraczewska L. **Acta Physiol Pol** 1981 Jul-Aug; 32(4):419-28

Effect of zinc sulphate supplementation on amino acid absorption from pig intestine. I. Intestinal loop tests. Boldizsár H, et al. **Acta Vet Acad Sci Hung** 1981; 28(4):409-18

Effect of prolactin suppression on the ovarian activity in the lactating sow. Benjaminsen E. **Acta Vet Scand** 1981; 22(2):189-97

The effects of sugar alcohols on metabolism of growing pigs. Näsi M, et al. **Acta Vet Scand** 1981;22(3-4):344-54

Effects of osmolality of liquid nutrient diets on meal passage and nutrient absorption in Yucatan miniature swine. Case GL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1868-78

Effects of osmolality of liquid nutrient diets on plasma equilibration of water and carbohydrate in Yucatan miniature swine. Case GL, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1861-7

Prostaglandins and their metabolites in the gastrointestinal tract of Yucatan miniature swine. Dupont J, et al. **Am J Clin Nutr** 1981 Oct;34(10):2048-53

Prostaglandin E2-binding sites and cAMP production in porcine fundic mucosa. Tepperman BL, et al. **Am J Physiol** 1981 Oct;241(4):G313-20

Drug interactions of levamisole with pyrantel tartrate and dichlorvos in pigs. Hsu WH. **Am J Vet Res** 1981 Nov; 42(11):1912-4

Removal and addition of bile in the intestine, and pancreatic colipase activity in the pig: effect of a high-lipid diet. Corring T, et al. **Ann Nutr Metab** 1982;26(2):77-82

The effect of triiodothyronine-prednisolone treatment on the development of digestive enzymes in the suckling pig. Baintner K, et al. **Arch Tierernahr** 1982 Apr;32(4):229-34

The rate of absorption of synthetic lysine and dietary protein in the upper half of the small intestine of pigs. Buraczewska L, et al. **Arch Tierernahr** 1980 Dec;30(10-12):751-8

Yucatan miniature swine as a model for diet-induced atherosclerosis. Reitman JS, et al. **Atherosclerosis** 1982 May;43(1):119-32

Amino terminal sequence, processing, and biological activity of porcine pre-alpha-lactalbumin. Raymond MN, et al. **Biochimie** 1982 Apr;64(4):271-8

Energy metabolism of the newborn pig during the first 24 h or life. Noblet J, et al. **Biol Neonate** 1981;40(3-4):175-82

Sequential observation of changes in thyroxine, triiodothyronine and reverse triiodothyronine during the postnatal adaptation of the pig. Slebodziński AB, et al. **Biol Neonate** 1981;39(3-4):191-9

Levels of serum protease inhibitors during fetal and postnatal development of the pig. Weström BR, et al. **Biol Neonate** 1982;41(1-2):22-31

Influence of adrenal steroids upon testosterone secretion by the boar testis. Juniewicz PE, et al. **Biol Reprod** 1981 Nov; 25(4):725-33

Relaxin receptors in the myometrium and cervix of the pig. Mercado-Simmen RC, et al. **Biol Reprod** 1982 Feb; 26(1):120-8

Ingestion of iron in sow's faeces by piglets reared in farrowing crates with slotted floors. Gleed PT, et al. **Br J Nutr** 1982 Jan;47(1):113-7

The activity of pepsin, chymotrypsin and trypsin during 24 h periods in the small intestine of growing pigs. Low AG. **Br J Nutr** 1982 Jul;48(1):147-59

Artificial rearing of pigs. 12. Effect of replacement of dried skim-milk by either a soya-protein isolate or concentrate on the performance of the pigs and digestion of protein. Newport MJ, et al. **Br J Nutr** 1982 Jul;48(1):89-96

The ingestion of sow's faeces by suckling piglets. Sansom BF, et al. **Br J Nutr** 1981 Nov;46(3):451-6

Ultrastructural localization of thyrotropin (TSH) in the porcine anterior pituitary: a comparison between pre-embedding and post-embedding methods. Dacheux F. **Cell Tissue Res** 1982;222(2):299-311

Regulation of pig kidney phosphate-activated glutaminase. Kvamme E. **Contrib Nephrol** 1982;31:60-70

Induction of hexobarbital and antipyrine metabolism by rifampicin treatment in the pig. van den Broek JM, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):541-4

Metabolism of [14C]sulfamethazine in swine. Giera DD, et al. **J Agric Food Chem** 1982 Mar-Apr;30(2):263-6

Effect of maternal dietary energy source on glucose homeostasis, liver glycogen and carcass lipid in the neonatal pig. Boyd RD, et al. **J Anim Sci** 1981 Nov;53(5):1316-24

Glucose turnover in fast-growing, lean and in slow-growing, obese swine. Cote PJ, et al. **J Anim Sci** 1982 Jan;54(1):89-94

Nutrient digestibility and performance of pigs fed sorghums varying in tannin concentration. Cousins BW, et al. **J Anim Sci** 1981 Dec;53(6):1524-37

Endometrial prostaglandin f release in vitro and plasma 13, 14-dihydro-15-keto-prostaglandin F2 alpha in pigs with luteolysis blocked by pregnancy, estradiol benzoate or human chorionic gonadotropin. Guthrie HD, et al. **J Anim Sci** 1981 Feb;52(2):330-9

Antibody response and serum protein and immunoglobulin concentrations in pigs from sows fed different protein sequences during gestation and lactation. Haye SN, et al. **J Anim Sci** 1981 Nov;53(5):1262-8

Failure of stress and supplemental lighting to affect release of prolactin in swine. Hoagland TA, et al. **J Anim Sci** 1981 Aug;53(2):467-72

Factors influencing the lipogenic rate in swine adipose tissue. Mersmann HJ, et al. **J Anim Sci** 1981 Jun;52(6):1298-305

Selenium and reproductive function in boars fed a low selenium diet. Segerson EC, et al. **J Anim Sci** 1981 Nov; 53(5):1360-7

Androgen and glucocorticoid receptors in porcine skeletal muscle. Snochowski M, et al. **J Anim Sci** 1981 Jul; 53(1):80-90

Effects of dietary 1,3-butylene glycol on adipose tissue metabolism from lean and obese swine. Steele NC, et al. **J Anim Sci** 1982 Jan;54(1):116-25

Effect of nutritional status on swine adipose tissue lipolytic activities. Steffen DG, et al. **J Anim Sci** 1981 Jun; 52(6):1306-11

Effect of dietary vitamin C addition on performance, plasma vitamin C and hematic iron status in weanling pigs. Yen JT, et al. **J Anim Sci** 1981 Nov;53(5):1292-6

Tissue glycogen levels in dams and fetuses as affected by fasting and refeeding pregnant sows. Yen JT, et al. **J Anim Sci** 1982 Apr;54(4):796-805

Cytoplasmic estrogen receptor system of gilt uterus. Partial purification of component B labeled with [14C]iodoacetic acid. Fukai F, et al. **J Biochem (Tokyo)** 1981 Jun; 89(6):1829-37

Characterization of porcine adrenocortical lysosomes. Taguchi S, et al. **J Biochem (Tokyo)** 1981 May; 89(5):1411-21

Starvation-induced ketone body production in the conscious unrestrained miniature pig. Müller MJ, et al. **J Nutr** 1982 Jul;112(7):1379-86

Development of gluconeogenesis in isolated hepatocytes from fasting or suckling newborn pigs. Pegorier JP, et al. **J Nutr** 1982 Jun;112(6):1038-46

Dietary effects on metabolism of Yucatan miniature swine selected for low and high glucose utilization. Phillips RW, et al. **J Nutr** 1982 Jan;112(1):104-11

A subovarian exchange mechanism for the countercurrent transfer of ovarian steroid hormones in the pig. Krzymowski T, et al. **J Reprod Fertil** 1982 Jul;65(2):457-65

Steroid transfer from the ovarian vein to the ovarian artery in the sow. Krzymowski T, et al. **J Reprod Fertil** 1982 Jul;65(2):451-6

Absence of urea toxicity in young pigs. Button C, et al. **J S Afr Vet Assoc** 1982 Mar;53(1):67-8

Description of a swine metabolism unit for long-term studies. Terris JM, et al. **Lab Anim Sci** 1982 Jun;32(3):302-3

Microbiological and thin-layer chromatographic identification of benzylpenicillin and ampicillin in animal body. Yoshimura H, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):833-40

Effect of cholecystokinin octapeptide on food intake in pigs. Baldwin BA, et al. **Proc Nutr Soc** 1982 Jun;41(2):119-21

The fate of dietary nitrogen within the digestive tract of the pig. Zebrowska T. **Prog Clin Biol Res** 1981;77:909-24

Investigation of some factors which influence the absorption of IgG by the neonatal piglet. Werhahn E, et al. **Vet Immunol Immunopathol** 1981 Feb;2(1):35-51

Biochemical characterization of the layers of subcutaneous adipose tissue in the pig body. Sturm G, et al. **Z Ernahrungswiss** 1982 Mar;21(1):2-11

Nitrogen and amino acid metabolism in the hindgut of pits fed barley or wheat diets as affected by the infusion of maize starch at the terminal ileum. Misir R, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(5):221-33

A creatine kinase isoenzyme variant in porcine serum and tissue extracts. Thorén-Tolling K. **Zentralbl Veterinarmed [A]** 1982 Mar;29(2):99-106

Creatine kinase isoenzymes in tissues and serum from pigs. Thorén-Tolling K. **Zentralbl Veterinarmed [A]** 1982 Mar; 29(2):89-98

[Comparative study of the assimilation of phosphorus from monosodium and dicalcium phosphate in piglets] Simeonov S, et al. **Vet Med Nauki** 1981;18(7):61-7 (Eng. Abstr.) **(Bul)**

[Observation of swine breeding with distillers' grains containing aflatoxin. I. Detoxification of aflatoxin in the body of swine (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):349-52 **(Chi)**

[Effect of a 2-day increased energy supply on heat production and energy utilization in full-grown sows] Kirchgessner M, et al. **Ann Nutr Metab** 1981;25(6):362-70 (Eng. Abstr.) **(Ger)**

[Fructose tolerance and insulin response of swine following massive intravenous fructose loading] Brenner KV, et al. **Arch Exp Veterinarmed** 1981;35(6):845-54 (Eng. Abstr.) **(Ger)**

[Protein, myofibrils, sarcoplasma, connective tissue, and nonprotein N levels in various muscles of healthy piglets and those with pathological straddle] Kolb E, et al. **Arch Exp Veterinarmed** 1981;35(5):715-24 (Eng. Abstr.) **(Ger)**

[Enzyme activities in 100- and 180-day-old boars with special reference to creatine kinase and genetic construction] Schlenker G, et al. **Arch Exp Veterinarmed** 1981;35(6):869-78 (Eng. Abstr.) **(Ger)**

[Redox potential of the gastrointestinal tract of swine of different ages] Schulze F, et al. **Arch Exp Veterinarmed** 1981;35(3):349-57 (Eng. Abstr.) **(Ger)**

[Choline acetyltransferase and acetylcholinesterase activities in various parts of the nervous system and skeletal muscles of newborn piglets with normal or low body weight as well as piglets with pathological splaying] Wittner S, et al. **Arch Exp Veterinarmed** 1982;36(2):221-35 (Eng. Abstr.) **(Ger)**

[Nutrient composition of some newly bred high-protein and/or high-lysine cereal strains and digestibility by growing pigs. 2. Protein quality and digestibility of the amino acids] Bock HD, et al. **Arch Tierernahr** 1982 May; 32(5-6):321-35 (Eng. Abstr.) **(Ger)**

[Physiological nutrition studies of swine for the evaluation of modified proteins. 3. Relationship between the true and apparent N digestibility and amino acid absorption of the small intestines and the parameters of N metabolism]

Gebhardt G, et al. **Arch Tierernahr** 1981 Dec; 31(11-12):763-70 (Eng. Abstr.) **(Ger)**

[Effect of maize-soya rations of various amino acid levels on utilization and endogenous loss of protein in piglets] Gruber F, et al. **Arch Tierernahr** 1981 Sep;31(9):619-32 (Eng. Abstr.) **(Ger)**

[Pregnancy anabolism of the trace elements copper, zinc, nickel and manganese in sows] Kirchgessner M, et al. **Arch Tierernahr** 1981 Jan;31(1):21-34 (Eng. Abstr.) **(Ger)**

[Endogenous N-secretion in the small intestine of pigs] Souffrant WB, et al. **Arch Tierernahr** 1981 Jan;31(1):35-43 (Eng. Abstr.) **(Ger)**

[Absorption of protein-linked N and synthetic lysine in the small intestine of pigs] Souffrant WB, et al. **Arch Tierernahr** 1981 Sep;31(9):609-17 (Eng. Abstr.) **(Ger)**

[Nutritional and physiological studies of swine for the evaluation of modified proteins. 2. Determination of endogenous N in the contents of the small intestines using the 15N-tracer method] Souffrant WB, et al. **Arch Tierernahr** 1981 Oct;31(10):675-83 (Eng. Abstr.) **(Ger)**

[Protein utilization in lysine-supplemented barley protein and effectiveness of the limiting amino acid lysine in growing pigs] Wecke C, et al. **Arch Tierernahr** 1982 Apr;32(4):221-8 (Eng. Abstr.) **(Ger)**

[The contribution of betaine and glutamic acid to nitrogen digestion and balance during feeding of vinasse to growing pigs] Weigand E, et al. **Arch Tierernahr** 1981 May; 31(5-6):335-43 (Eng. Abstr.) **(Ger)**

[The diagnostic significance of isoenzymes of creatine-kinase (CK) in pigs (author's transl)] Bickhardt K, et al. **DTW** 1981 Sep 5;88(9):368-71 (Eng. Abstr.) **(Ger)**

[Respiratory metabolism of domestic and wild pigs. Influences of feed intake, motor activity and time of day (author's transl)] Hörnicke H. **DTW** 1981 Oct 5; 88(10):411-5 (Eng. Abstr.) **(Ger)**

[Cu and Fe metabolism of baby pigs with different copper supply following injections of Cu-sulfate, ceruloplasmin and Fe-citrate] Grassmann E, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(3):132-8 (Eng. Abstr.) **(Ger)**

[Effect of phosphorus supply on intestinal absorption of phosphorus in growing swine] Vemmer H. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):220-3 (Eng. Abstr.) **(Ger)**

[Researches on meat and liver quality: an approach from meat inspection and veterinary physiological chemistry. I. pH, lysosomal enzymes and myofibrils in PSE (pale, soft, exudative) porcine muscle (author's transl)] Yuasa A, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):741-8 (Eng. Abstr.) **(Jpn)**

[Liver and skeletal muscle tissue respiration in pigs at various stages of ontogenesis] Vovk SI, et al. **Fiziol Zh** 1981 Nov-Dec;27(6):815-8 **(Rus)**

MICROBIOLOGY

Isolation of Aujeszky's disease virus from boar semen. Medveczky I, et al. **Acta Vet Acad Sci Hung** 1981; 29(1):29-35

Some characteristics of Campylobacter fetus subsp. jejuni isolated from pigs, birds and man. Rosef O, et al. **Acta Vet Scand** 1982;23(1):9-15

Resistance of porcine preimplantation embryos to pseudorabies virus. Bolin SR, et al. **Am J Vet Res** 1981 Oct;42(10):1711-2

Laboratory evaluation of selected disinfectants as virucidal agents against porcine parvovirus, pseudorabies virus, and transmissible gastroenteritis virus. Brown TT Jr. **Am J Vet Res** 1981 Jun;42(6):1033-6

Applications of peroxidase-antiperoxidase staining technique for detection of transmissible gastroenteritis virus in pigs. Chu RM, et al. **Am J Vet Res** 1982 Jan;43(1):77-81

Transfer of drug resistance and enterotoxin production in porcine Escherichia coli strains and relationship between K88 antigen and raffinose (melitose) fermentation. de Lopez AG, et al. **Am J Vet Res** 1982 Mar;43(3):499-501

Isolation of transmissible Gastroenteritis virus, pseudorabies virus, and porcine enterovirus from pharyngeal swabs taken from market-weight-swine. Kemeny LJ. **Am J Vet Res** 1981 Nov;42(11):1987-9

Salmonella in the mesenteric lymph nodes of healthy sows and hogs. Keteran K, et al. **Am J Vet Res** 1982 Apr; 43(4):706-7

Persistence and distribution of pollution indicator bacteria on land used for disposal of piggery effluent. Chandler DS, et al. **Appl Environ Microbiol** 1981 Sep;42(3):453-60

Isolation of virulent Yersinia enterocolitica from porcine tongues. Doyle MP, et al. **Appl Environ Microbiol** 1981 Oct;42(4):661-6

The isolation of Streptococcus suis type II from a pig with meningitis [letter] Buddle JR, et al. **Aust Vet J** 1981 Sep; 57(9):437-8

Yersinia enterocolitica isolated from throats of swine in eastern and western Canada. Schiemann DA, et al. **Can J Microbiol** 1981 Dec;27(12):1326-33

Toxicity of Haemophilus pleuropneumoniae for porcine lung macrophages, peripheral blood monocytes, and testicular cells. Bendixen PH, et al. **Infect Immun** 1981 Sep; 33(3):673-6

Comparison of heat-labile enterotoxins from porcine and human strains of Escherichia coli. Geary SJ, et al. **Infect Immun** 1982 Apr;36(1):215-20

Replication of avian influenza A viruses in mammals. Hinshaw VS, et al. **Infect Immun** 1981 Nov;34(2):354-61

Antimicrobial sensitivity patterns of Haemophilus pleuropneumoniae isolates from pigs with pneumonia. Libal MC, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):399

A note on the persistence of Salmonella havana and faecal coliforms on a naturally contaminated piggery effluent disposal site. Chandler DS, et al. **J Appl Bacteriol** 1981 Aug;51(1):45-9

Porcine pararotavirus: detection, differentiation from rotavirus, and pathogenesis in gnotobiotic pigs. Bohl EH, et al. **J Clin Microbiol** 1982 Feb;15(2):312-9

GM1 ganglioside enzyme-linked immunosorbent assay for detection of heat-labile enterotoxin produced by human and porcine Escherichia coli strains. Gustafsson B, et al. **J Clin Microbiol** 1982 Feb;15(2):298-301

The biotyping of Escherichia coli isolated from healthy farm animals. Hinton M, et al. **J Hyg (Lond)** 1982 Jun; 88(3):543-55

Escherichia coli resistant to tetracyclines and to other antibiotics in the faeces of U.K. chickens and pigs in 1980. Smith HW, et al. **J Hyg (Lond)** 1981 Dec;87(3):477-83

Isolation and serological characterization of influenza A virus from a pig in Thailand. Kanai C, et al. **Jpn J Med Sci Biol** 1981 Jun;34(3):175-8

Isolation of mycobacteria from lymph nodes of pigs and their environment. Masaki S, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):213-21

Effects of administration of Bacillus subtilis strain BN on intestinal flora of weanling piglets. Ozawa K, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):771-5

Non-conjugative R plasmid with five drug resistance from Bordetella bronchiseptica of pig origin. Terakado N, et al. **Nippon Juigaku Zasshi** 1981 Dec;43(6):971-4

The susceptibility of enteropathogenic and non-enteropathogenic porcine Escherichia coli strains to polymyxins and other antibiotics. Larsen JL, et al. **Nord Vet Med** 1981 Sep-Nov;33(9-11):393-402

Mycobacterium avium-intracellulare complex serovars isolated in South Africa from humans, swine, and the environment. Nel EE. **Rev Infect Dis** 1981 Sep-Oct; 3(5):1013-20

Branched Mycobacterium-like organisms from swine lymph nodes. Gill BS, et al. **Vet Microbiol** 1982 May;7(2):157-64

Studies on the multiplication of a porcine parvovirus. Shahrabadi MS, et al. **Vet Microbiol** 1982 May;7(2):117-25

Effects of various antibiotics on the control of bacteria in boar semen. Sone M, et al. **Vet Rec** 1982 Jul 3;111(1):11-4

Salmonella isolation with Rappaport's enrichment medium of different compositions. Vassiliadis P, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):382-9

[Carrier state and body distribution of Salmonella bacteria in healthy piglets and calves] Ionova I, et al. **Vet Med Nauki** 1981;18(7):98-104 (Eng. Abstr.) **(Bul)**

[Use of various methods of sampling and various culture media in the isolation of Bordetella bronchiseptica from swine in the field (author's transl)] de Jong MF, et al. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):416-21 (Eng. Abstr.) **(Dut)**

[Studies on the incidence of Salmonella in a number of lymph nodes and tonsillar tissues of slaughtered pigs (author's transl)] Narucka U. **Tijdschr Diergeneeskd** 1982 Mar 15; 107(6):220-4 (Eng. Abstr.) **(Dut)**

[Bacteria and their antibiograms (author's transl)] Overgoor GH. **Tijdschr Diergeneeskd** 1981 Sep 1;106(17):868-72 (Eng. Abstr.) **(Dut)**

[Significance of mycoplasma in the genital organs of cattle, horses and swine] Kirchhoff H. **Berl Munch Tierarztl Wochenschr** 1982 Apr 1;95(7):121-5 (Eng. Abstr.) **(Ger)**

[Usefulness of Enterotube II for identification of Yersinia enterocolitica isolated from animal specimen] Weber A, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 15; 94(18):356-9 (Eng. Abstr.) **(Ger)**

[Investigations on the occurrence of Salmonella in clinically unsuspected pig breeding farms (author's transl)] Both G, et al. **DTW** 1982 Jan 5;89(1):3-6 (Eng. Abstr.) **(Ger)**

[Studies on the prevalence of Corynebacterium suis in wild boars and domestic pigs in the Federal Republic of Germany (author's transl)] Jones JE, et al. **DTW** 1982 Mar 8;89(3):110-2 (Eng. Abstr.) **(Ger)**

[Comparison of two enrichment methods and five selective media for the isolation of Yersinia enterocolitica from tonsils of slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):72-7 (Eng. Abstr.) **(Ger)**

[Seasonal isolation of Yersinia enterocolitica and Yersinia pseudotuberculosis from tonsils of healthy slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):78-83 (Eng. Abstr.) **(Ger)**

[Demonstration of Yersinia enterocolitica and Yersinia pseudotuberculosis in fecal samples of healthy slaughter swine depending on the season] Weber A, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):407-13 (Eng. Abstr.) **(Ger)**

[Campylobacter fetus subsp. jejuni as a surface contaminant of fresh and chilled pig carcasses (author's transl)] Rosef O. **Nord Vet Med** 1981 Dec;33(12):335-8 (Eng. Abstr.) **(Nor)**

[Salmonella carriers among slaughter animals] Rubio Parra V. **Rev Sanid Hig Publica (Madr)** 1979 Mar-Apr; 53(3-4):385-424 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

On the persistence of human serum resistance and isoenzyme patterns of Trypanozoon in experimentally infected pigs. Schütt ID, et al. **Acta Trop (Basel)** 1981 Dec;38(4):367-73

Swine Ascaris in humans [letter] Lord WD, et al. **N Engl J Med** 1982 May 6;306(18):1113

Mixed populations of trypanosoma brucei in a naturally infected pig. Scott CM. **Tropenmed Parasitol** 1981 Dec; 32(4):221-2

Ultrastructural evidence of endodyogeny in Isospora suis from pigs. Matuschka FR. **Z Parasitenkd** 1982;67(1):27-30

[Worm infection in boars (author's transl)] Behrens H. **DTW** 1981 Oct 5;88(10):437-9 (Eng. Abstr.) **(Ger)**

[Group outbreak of trichinosis in the Perm Oblast] Lyskovtsev MM, et al. **Med Parazitol (Mosk)** 1981 Sep-Oct;50(5):48-50 **(Rus)**

[Species composition of the genus Metastrongylus, lung parasites of swine and boars in the USSR] Khrustalev AV. **Parazitologiia** 1981 Sep-Oct;15(5):420-3 **(Rus)**

PHYSIOLOGY

Regional distribution of acetylcholinesterase activity in the brain and hypophyses of crossbred European boars reared in the humid tropics. Egbunike GN. **Acta Anat (Basel)** 1981; 110(3):248-52

Postnatal development of renal function in piglets: changes in excretory pattern of sulphachlorpyridazine. Friis C. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):409-17

Absorption of amino acids in different parts of the small intestine in growing pigs. IV. Effect of sugars on absorption of amino acids and water. Buraczewska L. **Acta Physiol Pol** 1981 Sep-Oct;32(5):585-93

Absorption of amino acids in different parts of the small intestine in growing pigs. III. Absorption of constituents of protein hydrolysates. Buraczewska L. **Acta Physiol Pol** 1981 Sep-Oct;32(5):569-84

Studies on porcine adrenocortical function. II. Effects of the ambient temperature and restricted feeding on the peripheral cortisol level. Rafai P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):443-54

Studies on porcine adrenocortical function. I. Circadian variations in, and effect of ACTH treatment on, the peripheral plasma cortisol level. Rafai P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):433-41

Relationship between the ash content and microscopic hardness of swine bones. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1981;28(4):455-62

Plasma thyroxine in the sow during pregnancy and lactation and during resumption of ovarian activity after weaning. Benjaminsen E. **Acta Vet Scand** 1981;22(3-4):369-81

Practical uses of prostaglandins in pigs. Bosc MJ, et al. **Acta Vet Scand [Suppl]** 1981;77:209-26 (80 ref.)

Comparative trial with natural prostaglandin and an analogue (cloprostenol) in inducing parturition in sows. Einarsson S. **Acta Vet Scand [Suppl]** 1981;77:321-6

The effects of antibiotics in the weanling pig diet on growth and the excretion of volatile phenolic and aromatic bacterial metabolites. Yokoyama MT, et al. **Am J Clin Nutr** 1982 Jun;35(6):1417-24

Organ blood flow and distribution of cardiac output in nonanesthetized swine. Tranquilli WJ, et al. **Am J Vet Res** 1982 May;43(5):895-7

Effects of ergocryptine on plasma prolactin, luteinizing hormone, and progesterone in the periparturient sow. Whitacre MD, et al. **Am J Vet Res** 1981 Sep;42(9):1538-41

Radiologic observations of gastric and small intestinal motility in suckling pigs. Wood AK. **Am J Vet Res** 1982 Jan;43(1):61-6

Radiologic observations of gastric mixing and emptying of food in growing pigs. Wood AK, et al. **Am J Vet Res** 1982 Aug;43(8):1401-8

Effect of histamine and prostaglandin E2 on gastric blood flow in swine. Zamora CS, et al. **Am J Vet Res** 1981 Jun; 42(6):956-9

Regional blood flow to the stomach and small intestine in swine. Zamora CS, et al. **Am J Vet Res** 1981 Sep; 42(9):1531-3

Correlates of ovarian morphology, estrous behavior, and cyclicity in an inbred strain of miniature swine. Howard PK, et al. **Anat Rec** 1982 May;203(1):55-65

Colostrum intake and thermoregulation in the neonatal pig in relation to environmental temperature. Le Dividich J, et al. **Biol Neonate** 1981;40(3-4):167-74

Effect of ovarian autotransplantation to various locations on estrual cyclicity in gilts. Hagen DR, et al. **Biol Reprod** 1981 Sep;25(2):359-62

Corpus luteum function after indomethacin treatment during the estrous cycle and following hysterectomy in the gilt. Kraeling RR, et al. **Biol Reprod** 1981 Oct;25(3):511-8

Spontaneous motility of the pig oviduct in vitro. Rodriguez-Martinez H, et al. **Biol Reprod** 1982 Feb; 26(1):98-104

The influence of diet on the exocrine pancreatic secretion of growing pigs. Partridge IG, et al. **Br J Nutr** 1982 Jul; 48(1):137-45

Bronchoconstriction and gas mixing in canine and pig lungs. Kelly S, et al. **Bull Eur Physiopathol Respir** 1982 Mar-Apr;

18(2):229-37

Ventilatory and circulatory O2 convection and blood acid-base changes in normoxic and hypoxic awake miniature swine. Verbrugghe C, et al. **Comp Biochem Physiol [A]** 1982;72(2):319-25

Autoregulation of brain blood flow in the newborn piglet: regional differences in flow reduction during hypotension. Laptook A, et al. **Early Hum Dev** 1982 Jan;6(1):99-107

The influence of handling by humans on the behavior, growth, and corticosteroids in the juvenile female pig. Hemsworth PH, et al. **Horm Behav** 1981 Dec;15(4):396-403

Assessment of pancreatic and hepatic function in Yucatan miniature swine exhibiting impaired glucose tolerance. Spangler RS, et al. **Horm Metab Res** 1981 Dec; 13(12):669-72

Prostaglandins in veterinary practice. Cooper M. **In Pract** 1981 Jan;3(1):30, 32-4

Bilateral luteal maintenance in unilaterally pregnant pigs with infusions of embryonic extracts. Ball GD, et al. **J Anim Sci** 1982 Jan;54(1):142-9

Local effects of PGF2 alpha and embryonic extracts on luteal function in swine. Ball GD, et al. **J Anim Sci** 1982 Jan; 54(1):150-4

Estrogens and piglet viability. II. Effect of estrogen on piglet viability. Bate LA, et al. **J Anim Sci** 1982 May; 54(5):1017-22

Influence of prepubertal consumption of zearalenone on sexual development of boars. Berger T, et al. **J Anim Sci** 1981 Dec;53(6):1559-64

Effect of tallow and choline chloride addition to the diet of sows milk composition, milk yield and preweaning pig performance. Boyd RD, et al. **J Anim Sci** 1982 Jan; 54(1):1-7

Influence of age, sex and calcium and phosphorus levels on the mechanical properties of various bones in swine. Crenshaw TD, et al. **J Anim Sci** 1981 Jun;52(6):1319-29

Changes in plasma hormone concentrations associated with the onset of puberty in the gilt. Esbenshade KL, et al. **J Anim Sci** 1982 Feb;54(2):320-4

Effects of maternal starvation on some blood metabolites, liver glycogen, birth weight and survival of piglets. Ezekwe MO. **J Anim Sci** 1981 Dec;53(6):1504-10

Effects of forced exercise during gestation on farrowing and weaning performance of swine. Hale OM, et al. **J Anim Sci** 1981 Jun;52(6):1240-3

Growth, puberty and reproduction in gilts born to dams deprived of nutrients during pregnancy. Hard DL, et al. **J Anim Sci** 1982 Jun;54(6):1227-34

Use of boar spermatozoa for artificial insemination. II. Fertilizing capacity of fresh and frozen spermatozoa in gilts inseminated either at a fixed time or according to Walsmeta readings. Johnson LA, et al. **J Anim Sci** 1982 Jan; 54(1):126-31

Use of boar spermatozoa for artificial insemination. III. Fecundity of boar spermatozoa stored in Beltsville liquid and Kiev extenders for three days at 18 C. Johnson LA, et al. **J Anim Sci** 1982 Jan;54(1):132-6

Prolactin and luteinizing hormone secretion after bromocryptine (CB-154) treatment in lactating sows and ovariectomized gilts. Kraeling RR, et al. **J Anim Sci** 1982 Jun;54(6):1212-20

The effects of floor temperature, supplemental heat and drying at birth on neonatal swine. McGinnis RM, et al. **J Anim Sci** 1981 Dec;53(6):1424-32

Dietary Calcium and phosphorus levels for reproducing sows. Mahan DC, et al. **J Anim Sci** 1982 Feb;54(2):285-91

Dietary calcium and phosphorus levels for weanling swine. Mahan DC. **J Anim Sci** 1982 Mar;54(3):559-64

Iron requirements of baby pigs reared in germ-free or conventional environments on a condensed milk diet. Miller ER, et al. **J Anim Sci** 1982 Jan;54(1):106-15

Effect of indomethacin and prostaglandin F2 alpha on parturition in swine. Nara BS, et al. **J Anim Sci** 1981 Jun; 52(6):1360-70

Effect of level of dietary calcium-phosphorus during growth and gestation on calcium-phosphorus balance and reproductive performance of first-litter sows. Nimmo RD, et al. **J Anim Sci** 1981 Jun;52(6):1343-9

Effect of level of dietary calcium-phosphorus during growth and gestation on performance, blood and bone parameters of swine. Nimmo RD, et al. **J Anim Sci** 1981 Jun; 52(6):1330-42

Effect of uterine ligation and cervical plugs on retention of frozen-thawed boar sperm. Pursel VG. **J Anim Sci** 1982 Jan;54(1):137-41

Ovarian activity and hormonal patterns in gilts fed allyl trenbolone. Redmer DA, et al. **J Anim Sci** 1981 Oct; 53(4):1088-94

Interval to estrus in sows and performance of pigs after alteration of litter size during late lactation. Stevenson JS, et al. **J Anim Sci** 1981 Jul;53(1):177-81

Estrus and fertility in lactating sows and piglet performance as influenced by limited nursing. Thompson LH, et al. **J Anim Sci** 1981 Dec;53(6):1419-23

Reproductive performance of gilts bred on first versus third estrus. Young LG, et al. **J Anim Sci** 1981 Jul;53(1):19-25

Moldy corn in diets of gestating and lactating swine. Young LG, et al. **J Anim Sci** 1982 May;54(5):976-82

Effects of plane of nutrition on organ size and fasting heat production in pigs. Koong LJ, et al. **J Nutr** 1982 Aug; 112(8):1638-42

Changes in plasma noradrenaline and adrenaline associated with central and peripheral thermal stimuli in the pig. Barrand MA, et al. **J Physiol (Lond)** 1981 Jul;316:139-52

Electrophysiology of pig distal colon measured during early post-natal development. Cremaschi D, et al. **J Physiol (Lond)** 1981 May;314:137-49

Inhibition of ovulation and LH secretion in the gilt after treatment with ACTH or hydrocortisone. Barb CR, et al. **J Reprod Fertil** 1982 Jan;64(1):85-92

Uterine blood flow and uterine arterial, venous and luminal concentrations of oestrogens on days 11, 13 and 15 after oestrus in pregnant and non-pregnant sows. Ford SP, et al. **J Reprod Fertil** 1982 Jan;64(1):185-90

Responsiveness in vitro of porcine luteal tissue recovered at two stages of the luteal phase. Hunter MG. **J Reprod Fertil** 1981 Nov;63(2):471-6

Sperm transport and reservoirs in the pig oviduct in relation to the time of ovulation. Hunter RH. **J Reprod Fertil** 1981 Sep;63(1):109-17

Thermal characteristics of the testis and epididymis of the boar. Stone BA. **J Reprod Fertil** 1981 Nov;63(2):551-7

Influence of lipid infusion (0.4 g/kg/hr) and positive end expiratory pressure (8 cm H2O) on pulmonary function and hemodynamics in healthy anesthetized pigs. Rosegger H, et al. **JPEN** 1981 Sep-Oct;5(5):410-3

Some calcium and lysosome antagonists inhibit 3H-spiperone binding to the porcine anterior pituitary. Cronin MJ. **Life Sci** 1982 Apr 19;30(16):1385-9

The cyclical changes in the uterine lymphatics of the pig. Investigations on the perimetrium. Fabian G. **Lymphology** 1981 Mar;14(1):17-23

Induction of parturition in sows using prostaglandin F2 alpha or the analogue cloprostenol. Einarsson S, et al. **Nord Vet Med** 1981 Jun-Aug;33(6-8):354-8

Use of a prostaglandin analogue (cloprostenol) for induction of parturition in pigs with prolonged gestation. Hermansson I, et al. **Nord Vet Med** 1981 Jun-Aug;33(6-8):349-53

Ovulation rate and embryonic migration in cross-bred gilts. Kunavongkrit A, et al. **Nord Vet Med** 1982 Jan-Feb; 34(1-2):20-4

Sperm distribution within the genital tract of naturally inseminated gilts. Viring S, et al. **Nord Vet Med** 1981 Mar; 33(3):145-9

A re-evaluation of recommended dietary allowances of calcium and phosphorus for pigs. Gueguen L, et al. **Proc Nutr Soc** 1981 Sep;40(3):273-8 (56 ref.)

Voluntary ethanol consumption, as a function of estrus, in adult Sinclair (S-1) miniature sows. Tumbleson ME, et al. **Prog Biochem Pharmacol** 1981;18:190-5

Voluntary ethanol consumption by female offspring from alcoholic and control Sinclair (S-1) miniature dams. Tumbleson ME, et al. **Prog Biochem Pharmacol** 1981; 18:179-89

Physiology of the porcine gastrointestinal regulatory peptides. Adrian TE, et al. **Prog Clin Biol Res** 1981; 77:873-82

Symposium on the function of the gastrointestinal tract in health and disease: introduction. Braude R. **Prog Clin Biol Res** 1981;77:841-6

The role of enzymes in the digestive tract. Dahlqvist A. **Prog Clin Biol Res** 1981;77:883-91

The transit of digesta in the different parts of the digestive tract of the pig. Laplace JP. **Prog Clin Biol Res** 1981; 77:847-72

Renal response to hypotonic saline load in fetal and new-born pigs. Alt JM, et al. **Q J Exp Physiol** 1982 Jan;67(1):133-41

Degeneration and regeneration of the olfactory epithelium after olfactory bulb ablation in the pig: a morphological and electrophysiological study. Booth WD, et al. **Q J Exp Physiol** 1981 Oct;66(4):533-40

Pancreatic beta cell function in the fetal pig and sow. Fowden AL, et al. **Q J Exp Physiol** 1982 Apr;67(2):225-33

Endocrine profiles of sows during the oestrous cycle. Enne G, et al. **Reproduccion** 1981 Oct-Dec;5(4):217-28

Effect of cardiac arrest on exsanguination in pigs. Warriss PD, et al. **Res Vet Sci** 1981 Jul;31(1):82-6

The nasal cycle in swine. Campbell WM, et al. **Rhinology** 1981 Sep;19(3):127-48

The normal pressure-flow relationship of pyeloureter in the pig. Mortensen J, et al. **Urol Int** 1982;37(1):68-72

Spermatogenesis in the boar. Frankenhuis MT, et al. **Vet Q** 1982 Apr;4(2):57-61

The effect of carazolol on the cardiovascular responses to adrenaline in stress sensitive pigs. Gregory NG, et al. **Vet Res Commun** 1982 May;5(3):277-83

Digestion and absorption of nutrients in the pig. Some new data concerning protein and carbohydrates. Rérat AA. **World Rev Nutr Diet** 1981;37:229-87 (240 ref.)

[Relationships between spermiological, biochemical, endocrinological and fertilizing characteristics of boar ejaculates] Navrátil S, et al. **Vet Med (Praha)** 1981 Sep; 26(9):543-52 (Eng. Abstr.) **(Cze)**

[Haemodynamic and cardiac and respiratory changes during enflurane-monoanaesthesia in the Göttingen minipig (author's transl)] Becker M, et al. **Anaesthesist** 1982 Mar; 31(3):145-50 (Eng. Abstr.) **(Ger)**

[Selection of parameters for the assessment of mixed gonadotropic preparations for their biological effects on female fattening swine] Bergfeld J, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):25-34 (Eng. Abstr.) **(Ger)**

[Comparative studies of deepfreeze preservation of boar sperm] Kunze C, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):133-9 (Eng. Abstr.) **(Ger)**

[Effect of a single application of progesterone during early pregnancy on the fertility of gilts of different live weights] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(6):921-6 (Eng. Abstr.) **(Ger)**

[Effective management of piglet production by lowering the 1st insemination age or increasing 1st farrowing results following the biotechnical induction of puberty] Nowak P, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):109-14 (Eng. Abstr.) **(Ger)**

[Synchronization of ovulation in adult sows under production conditions using PMSG and a combination of 300 micrograms of Gn-RH Vet. Berlin-Chemie and 300 IU HCG] Raasch ML, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):103-7 (Eng. Abstr.) **(Ger)**

[Control of the puerperium in swine under extremely shortened nursing conditions. 2. Effects of nonsteroid cycle blockers and gonadotropin on uterine involution and reproduction of sows with extremely shortened nursing or no nursing] Rummer HJ, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):115-28 (Eng. Abstr.) **(Ger)**

[Pregnancy diagnosis in swine by progesterone determination] Schneider F, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):5-11 (Eng. Abstr.) **(Ger)**

[Control of implantation in rats and sows by peroral administration of prostaglandin synthetase inhibitors. 1. Theoretical aspects of control of implantation in swine] Steger H, et al. **Arch Exp Veterinarmed** 1981;35(3):459-64 (53 ref.) (Eng. Abstr.) **(Ger)**

[Control of implantation in rats and sows by peroral administration of prostaglandin synthetase inhibitors. 3. Effects of prostaglandin F2 alpha, progesterone/estrone, and acetylsalicylic acid on implantation and biochemical composition of amniotic fluid and fetuses of young sows] Wollenhaupt K, et al. **Arch Exp Veterinarmed** 1981; 35(3):471-80 (Eng. Abstr.) **(Ger)**

[Concentration of urea in blood, a parameter for the assessment of protein metabolism of pregnant sows. 1. Development of the concentration of urea in blood after the intake of proteins and its relation to N-excretion in urine] Herrmann U, et al. **Arch Tierernahr** 1981 Jul; 31(7-8):471-9 (Eng. Abstr.) **(Ger)**

[Nutritional physiology studies in pigs on the evaluation of modified proteins. 1. Results of the estimation of N-turnover, apparent and true digestibility of proteins in addition to apparent and true absorption of amino acids in the entire digestive tract] Liebert F, et al. **Arch Tierernahr** 1981 Jul;31(7-8):461-70 (Eng. Abstr.) **(Ger)**

[Absorption and utilization of amino acids infused into the cecum of growing pigs. 1. Measurement of N-balance for utilization of lysine and isoleucine; isoleucine requirement for growing pigs] Wünsche J, et al. **Arch Tierernahr** 1982 May;32(5-6):337-48 (Eng. Abstr.) **(Ger)**

[Use of benzodiazepines in swine] Rehm WF, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):146-51 (Eng. Abstr.) **(Ger)**

[The rhythm of activity in piglets and the effects of light and feed. 1. Comparison of the rhythm of activity in suckling and in weaned piglets] Schrenk HJ, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jan 1;95(1):10-4 (Eng. Abstr.) **(Ger)**

[Activity rhythm of piglets and its modification by light and feeding. 2. Experimental studies of the effect of light and feeding] Schrenk HJ, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 15;95(4):61-5 (Eng. Abstr.) **(Ger)**

[Acute loading with catecholamines on young pigs in combined inhalation anaesthesia after simultaneous premedication with atropine and azaperone (author's transl)] Buntenkötter S. **DTW** 1981 Jun 5;88(6):222-5 (Eng. Abstr.) **(Ger)**

[On the evaluation of target- resp. interference values for the most essential efficiency figures in intensive swine production by means of electric data processing (author's transl)] Kosztolich O. **DTW** 1982 Apr 6;89(4):145-51 (Eng. Abstr.) **(Ger)**

[Investigations on the increase of the reproduction rate in sows after the first litter by hormonal estrus induction (author's transl)] Richter L, et al. **DTW** 1982 Feb 5; 89(2):81-3 (Eng. Abstr.) **(Ger)**

[Estrus induction with megestrol acetate (MAP) in puerperal sows] Arbeiter K, et al. **Zentralbl Veterinarmed [A]** 1981; 28(9-10):737-41 (Eng. Abstr.) **(Ger)**

[Use of the suisynchron and PMSG systems for the control of the reproductive function in swine under industrialized conditions on the '60th BSSR Anniversary' state farm] Kisliakov VI, et al. **Arch Exp Veterinarmed** 1982 Jan; 36(1):95-8 (Eng. Abstr.) **(Rus)**

[Ovulation in swine following administration of centralized action preparations] Klinskii IuD, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):99-102 (Eng. Abstr.) **(Rus)**

SURGERY

Technique for acute suprapubic catheterization of urinary bladder in the pig. Holliman CJ, et al. **Am J Vet Res** 1982 Jun;43(6):1056-7

Territorial flooding, or perfusion takeover--an experimental study in abdominal flaps in the pig. Wexler MR. **Ann Plast Surg** 1982 Mar;8(3):193-5

Intrarenal surgery, Animal model I. Russell JM, et al. **Invest Urol** 1981 Sep;19(2):123–5
A technique for bioinstrumentation of the thorax of miniature swine. Harvey RC, et al. **Lab Anim Sci** 1982 Feb;32(1):94–6
[Heterotopic cardiac allograft in the newborn piglet (author's transl)] Laplace JP, et al. **Ann Rech Vet** 1981;12(1):27–33 (Eng. Abstr.) **(Fre)**

SWINE DISEASES

Impotence in the boar: angioarchitecture and venous drainage of the penis in normal boars. Ashdown RR, et al. **Vet Rec** 1981 Oct 24;109(17):375–82
Field study of coccidial and rotaviral diarrhoea in unweaned piglets. Roberts L, et al. **Vet Rec** 1982 Jan 2;110(1):11–3
[Pleuropneumonia in pigs due to Haemophilus pleuropneumoniae. I. A bibliographical review (author's transl)] Christensen G. **Nord Vet Med** 1981 Mar; 33(3):121–33 (73 ref.) (Eng. Abstr.) **(Dan)**
[Currently important swine diseases] Hoffmann H. **Tierarztl Prax** 1979;7(2):207–10 **(Ger)**

BLOOD

Correlation between some serum parameters, preslaughter stress and occurrence of PSE meat in pigs. Szilágyi M, et al. **Acta Vet Acad Sci Hung** 1981;29(2):165–72
Blood lactate kinetics in normal and stress-susceptible pigs. Darrah PS, et al. **J Anim Sci** 1981 Oct;53(4):1000–5
Pre-column derivatization and high-performance liquid chromatography of biogenic amines in blood of normal and malignant hyperthermic pigs. Davis TP, et al. **J Chromatogr** 1982 Mar 12;228:113–22
Plasma cortisol levels in pigs susceptible and resistant to malignant hyperthermia. Mitchell G, et al. **J S Afr Vet Assoc** 1981 Jun;52(2):109–12
A study on the antemortem detection of PSE muscle in pigs by a halothane test, plasma creatine phosphokinase activities and blood lactate values. Sano H, et al. **Jpn J Vet Res** 1979 Oct;27(3–4):77–87

CHEMICALLY INDUCED

Oleic acid lung damage in pigs. Haldén E, et al. **Acta Anaesthesiol Scand** 1982 Apr;26(2):121–5
Acute aflatoxicosis in swine: clinical pathology, histopathology, and electron microscopy. Miller DM, et al. **Am J Vet Res** 1982 Feb;43(2):273–7
Comparative toxicity of feeding dried urban sludge and an equivalent amount of cadmium to swine. Osuna O, et al. **Am J Vet Res** 1981 Sep;42(9):1542–6
Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: clinical chemistry and blood coagulation. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1387–94
Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: performance and hematology. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1380–6
Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: metal residues and pathology. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1395–400
Cortical cataracts induced by hygromycin B in swine. Sanford SE, et al. **Am J Vet Res** 1981 Sep;42(9):1534–7
Experimental aflatoxicosis in swine: morphological and clinical pathological results. Miller DM, et al. **Can J Comp Med** 1981 Oct;45(4):343–51
Diacetoxyscirpenol toxicity in pigs. Weaver GA, et al. **Res Vet Sci** 1981 Sep;31(2):131–5
3-nitro-4-hydroxyphenylarsonic acid toxicity in pigs. Gilbert FR, et al. **Vet Rec** 1981 Aug 22;109(8):158–60
Chronic copper poisoning in growing pigs. Higgins RJ. **Vet Rec** 1981 Aug 15;109(7):134–5
Monensin—tiamulin interactions in pigs [letter] Pott JM, et al. **Vet Rec** 1981 Dec 12;109(24):545
3-nitro toxicity in pigs [letter] Wilkinson JD, et al. **Vet Rec** 1981 Oct 10;109(15):343
[Metrifonate-induced congenital tremor in piglets] Belchev L, et al. **Vet Med Nauki** 1981;18(7).77–82 (Eng. Abstr.) **(Bul)**
[Clinical, morphological and biochemical changes in pigs caused by the toxic metabolites of Fusarium tricinctum] Stankushev Kh, et al. **Vet Med Nauki** 1981;18(5):31–8 (Eng. Abstr.) **(Bul)**
[Inaccuracy in the administration of carbadox to swine] **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):474–5 **(Dut)**
[An 'unusual' reaction following parenteral administration of benzathine procaine penicillin in sows] **Tijdschr Diergeneeskd** 1982 Feb 1;107(3):97–8 **(Dut)**
[A case of carbadox poisoning (letter)] van Schie FW. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):428 **(Dut)**

CONGENITAL

Segmental aplasia of the ductus deferens in the boar. Heath E, et al. **Vet Pathol** 1982 Mar;19(2):202–4
Congenital malposition of a descended testis in a pig. Akusu MO. **Vet Rec** 1982 Mar 27;110(13):308
[Congenital tremor in piglets] Belchev L, et al. **Vet Med Nauki** 1981;18(4):53–9 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

Evaluation of three immunodiagnostic procedures for porcine strongyloidiasis. Murrell KD, et al. **Am J Vet Res** 1982 Apr;43(4):702–5
Comparison of a direct radioimmunoassay with virus isolation in cell culture for detection of pseudorabies virus in tissues of infected swine. Neill JD, et al. **Am J Vet Res** 1982 Apr; 43(4):708–10
A microtitration agglutination test for detecting group E streptococcus infection in swine. Armstrong CH, et al. **Can J Comp Med** 1982 Apr;46(2):201–5
Evaluation of the complement fixation test for the diagnosis of pleuropneumonia of swine caused by Haemophilus pleuropneumoniae. Lombin LH, et al. **Can J Comp Med** 1982 Apr;46(2):109–14
Renal failure in a gilt. Kross SB. **Mod Vet Pract** 1981 Aug; 62(8):619–21
Detection of Toxoplasma infectionin pork by Sabin-Feldman's dye test with meat extract. Hagiwara T, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):763–5
Comparison of four methods for early detection of experimental Trichinella spiralis infections in pigs. van Knapen F, et al. **Vet Parasitol** 1981 Dec;9(2):117–23
FAT for Streptococcus suis type 2 infections [letter] Hunt BW, et al. **Vet Rec** 1982 Jan 2;110(1):21
Natural infection of the oral cavity of young piglets with Campylobacter sputorum ssp mucosalis. Roberts L. **Vet Rec** 1981 Jul 4;109(1):17
Enzyme-linked immunosorbent assay for detecting antibodies to Aujeszky's disease virus in pigs. Todd D, et al. **Vet Rec** 1981 Dec 12;109(24):534–7
Mucosal impression smears for diagnosis of piglet coccidiosis. Stevenson GW, et al. **VM SAC** 1982 Jan;77(1):111–5
Latex agglutination microtiter test for diagnosis of toxoplasma infection in animals. Ohshima S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):376–82
[Use of the passive hemagglutination reaction to study Aujeszky's disease] Khristova V, et al. **Vet Med Nauki** 1981;18(1):13–8 (Eng. Abstr.) **(Bul)**
[Bacteriological diagnosis of Haemophilus pleuropneumonia in swine] Kielstein P. **Arch Exp Veterinarmed** 1981; 35(3):389–400 (Eng. Abstr.) **(Ger)**
[The diagnostic significance of isoenzymes of creatine-kinase (CK) in pigs (author's transl)] Bickhardt K, et al. **DTW** 1981 Sep 5;88(9):368–71 (Eng. Abstr.) **(Ger)**
[Comparative studies of porcine sera with an immunoenzyme test (ELISA) and neutralization test for serodiagnosis of Aujeszky's disease in swine] Moennig V, et al. **DTW** 1981 Sep 5;88(9):357–9 **(Ger)**
[Serological differentiation of Ascaris suum and Toxocara canis infections in pigs (author's transl)] Grelck H, et al. **Z Parasitenkd** 1981;65(3):277–82 (Eng. Abstr.) **(Ger)**
[A comparison of the sensitivity of the indirect hemagglutination reaction and the indirect immunofluorescence test in experimental ascariasis in swine] Borošková Z. **Vet Med (Praha)** 1981 Nov; 26(11):677–84 (Eng. Abstr.) **(Slo)**

DIET THERAPY

Swine dysentery: the influence of dietary vitamin E and selenium on the clinical and pathological effects of Treponema hyodysenteriae infection in pigs. Teige J, et al. **Res Vet Sci** 1982 Jan;32(1):95–100
Dietary manipulation of gastric pH in the prophylaxis of enteric disease in weaned pigs: some field observations. Thomlinson JR, et al. **Vet Rec** 1981 Aug 8;109(6):120–2

DRUG THERAPY

Efficacy of ivermectin against the swine kidney worm, Stephanurus dentatus. Stewart TB, et al. **Am J Vet Res** 1981 Aug;42(8):1427–8
Efficacy of ivermectin against five genera of swine nematodes and the hog louse, Haematopinus suis. Stewart TB, et al. **Am J Vet Res** 1981 Aug;42(8):1425–6
Efficacy of fenbendazole against the swine kidney worm Stephanurus dentatus. Stewart TB, et al. **Am J Vet Res** 1981 Sep;42(9):1627–9
Comparative efficacy of five supplementation procedures to control selenium-vitamin E deficiency in swine. Van Vleet JF. **Am J Vet Res** 1982 Jul;43(7):1180–9
A novel oxytetracycline formulation for the treatment of swine pneumonia. Bentley OE, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:515–7
Chemotherapeutic activity of the combination of sulfachloropyridazine and trimethoprim against experimental colibacillosis of chickens and piglets and demonstration of the trimethoprim-induced potentiation of sulfachloropyridazine in vitro and in vivo. Rosselet A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):401–17
Fenbendazole as a therapy for naturally acquired Stephanurus dentatus and gastrointestinal nematodes in feral swine. Becker HN, et al. **Vet Parasitol** 1981 Dec;9(2):111–5
Eradication of swine dysentery from closed pig herds [letter] Coulson A. **Vet Rec** 1981 Jun 6;108(23):503
Eradication of swine dysentery from closed pig herds. Muirhead MR. **Vet Rec** 1981 Jun 27;108(26):567
Tiamulin water medication in the treatment of swine dysentery under farm conditions. Pickles RW. **Vet Rec** 1982 Apr 24;110(17):403–5
Eradication of swine dysentery from closed pig herds [letter] Tasker JB, et al. **Vet Rec** 1981 Jul 18;109(3):66
Treatment of Trichuris suis infections in pigs with flubendazole. Thienpont D, et al. **Vet Rec** 1982 May 29; 110(22):517–20
Coccidiosis in swine: effect of disinfectants on in vitro sporulation of Isospora suis oocysts. Stuart BF, et al. **VM SAC** 1981 Aug;76(8):1185–6
[Panacur in the treatment of intestinal nematode infections] Romaniuk K, et al. **Wiad Parazytol** 1981;27(4–5):619–28 (Eng. Abstr.) **(Pol)**
[Ascariasis and its control in commercial pig breeding] Zarnowski E, et al. **Wiad Parazytol** 1981;27(4–5):611–8 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Pseudo vitamin D deficiency rickets in pigs: in vitro measurements of renal 25-hydroxycholecalciferol-1-hydroxylase activity. Winkler I, et al. **Zentralbl Veterinarmed [A]** 1982 Mar; 29(2):81–8
[Choline acetyltransferase and acetylcholinesterase activities in various parts of the nervous system and skeletal muscles of newborn piglets with normal or low body weight as well as piglets with pathological splaying] Wittner S, et al. **Arch Exp Veterinarmed** 1982;36(2):221–35 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Vomiting and wasting disease, a coronavirus infection of pigs. Andries K, et al. **Adv Exp Med Biol** 1981;142:399–408
Malignant hyperthermia-triggering liability of selected inhalant anesthetics in swine. McGrath CJ, et al. **Am J Vet Res** 1981 Apr;42(4):604–7
Heliotropium europaeum poisoning of pigs [letter] Jones RT, et al. **Aust Vet J** 1981 Aug;57(8):396
A case of porcine abortion caused by Nocardia asteroides [letter] Mason RW, et al. **Aust Vet J** 1981 Aug;57(8):398–9
Femoral fractures in pigs associated with calcium deficiency. Rousseaux CG, et al. **Aust Vet J** 1981 Nov;57(11):508–10
Enzootic pneumonia of pigs: a review. Oboegbulem SI. **Bull Anim Health Prod Afr** 1981 Sep;29(3):269–74
Experimental ectopic mineralization in young boars I. The role of supplemental vitamin D inthe etiology. Gilka F, et al. **Can J Comp Med** 1981 Jul;45(3):266–70
Induced latency in pseudorabies vaccinated pigs. Mock RE, et al. **Can J Comp Med** 1981 Jan;45(1):56–9
Nocardia asteroides abortion in swine. Koehne G, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):478–9
Bone lesions in growing swine fed 3% cement kiln dust as a source of calcium. Pond WG, et al. **J Anim Sci** 1982 Jan;54(1):82–8
Ovine ill-thrift in Nova Scotia. 7. Trichoderma hamatum isolated from pasture soil. Brewer D, et al. **Mycopathologia** 1981 Dec 11;76(3):167–73
Glässer's disease in piglets produced by intraperitoneal inoculation with Haemophilus parasuis. Morozumi T, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):121–8
Studies of the relationships between herd size, the percentage of pigs culled during the finishing period and the prevalence rate at slaughter of pigs with lesions. Andersen H. **Nord Vet Med** 1981 Sep-Nov;33(9–11):413–6
The aetiological significance of Bordetella bronchiseptica and Pasteurella multocida in atrophic rhinitis of swine. Pedersen KB, et al. **Nord Vet Med** 1981 Dec;33(12):513–22
An association of a Lolium endophyte with ryegrass staggers [letter] Fletcher LR, et al. **NZ Vet J** 1981 Oct;29(10):185–6
Experimental infection of piglets with cryptosporidium. Tzipori S, et al. **Res Vet Sci** 1981 Nov;31(3):358–68
Absence of arthrogryposis in newborn Hampshire pigs from sows ingesting toxic levels of jimsonweed during gestation. Keeler RF. **Vet Hum Toxicol** 1981 Dec;23(6):413–5
Impotence in the boar 2: Clinical and anatomical studies on impotent boars. Ashdown RR, et al. **Vet Rec** 1982 Apr 10;110(15):349–56
Atrophic rhinitis and bordetellosis [letter] Done JT. **Vet Rec** 1981 Jul 4;109(1):23
Steatitis in fattening pigs. Kirby PS. **Vet Rec** 1981 Oct 24; 109(17):385
[Clinical and pathological features of Haemophilus pleuropneumoniae infection in pigs (author's transl)] van Hoffen KK, et al. **Tijdschr Diergeneeskd** 1981 Sep 1; 106(17):873–80 (Eng. Abstr.) **(Dut)**
[Further studies on the etiology of atrophic rhinitis in swine. 7. Mycoplasma hyorhinis and Mycoplasma hypopneumoniae antibodies in swine sera] Kirchhoff H, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 1; 95(3):41–7 (Eng. Abstr.) **(Ger)**
[Iatrogenic paralysis of the sciatic nerve in a suckling piglet] Matschullat G. **DTW** 1981 Oct 5;88(10):441 **(Ger)**
[Cervix uteri stenosis in swine] Matschullat G. **DTW** 1982 Apr 6;89(4):158 **(Ger)**
[Bordetella bronchiseptica infection in a spf pig herd. Contribution to the aetiology of atrophic rhinitis (a. r.) (author's transl)] Schöss P. **DTW** 1982 May 6;89(5):177–81 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Inheritance of porcine stress syndrome. Mabry JW, et al. **J Hered** 1981 Nov-Dec;72(6):429–30
Causes of death and sex differences in survival times of pigs with untreated hereditary lymphosarcoma (leukemia). McTaggart HS, et al. **JNCI** 1982 Feb;68(2):239–48
Atresia ani and atresia of the external genitalia in a pig. Cooke WD. **VM SAC** 1981 Jul;76(7):1037–8
[Halothane genotypes, corticosteroids and lactate dehydrogenase in swine] Lunow J, et al.

Schweiz Arch Tierheilkd 1982 Jan;124(1):11–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Effect of porcine parvovirus serostatus on the reproductive performance of mated gilts in an infected herd. Cutler RS, et al. **Am J Vet Res** 1982 Jun;43(6):935–7

Induction of protective immunity to Strongyloides ransomi in pigs. Murrell KD. **Am J Vet Res** 1981 Nov;42(11):1915–9

Neutrophil bactericidal capability in experimentally induced salmonellosis in pigs. Smith GS, et al. **Am J Vet Res** 1981 Aug;42(8):1332–4

Cell mediated immune response in miniature Sinclair swine bearing cutaneous melanomas. Jones DH, et al. **Can J Comp Med** 1982 Apr;46(2):209–11

Pseudorabies virus antibodies in swine slaughtered in Iowa. Pirtle EC. **Can J Comp Med** 1982 Apr;46(2):128–9

Clostridium perfringens type C enteritis in a Quebec swine herd [letter] Morin M, et al. **Can Vet J** 1981 Mar;22(3):58

A serological survey of pigs in India for swine influenza. Singh PB, et al. **Indian J Med Res** 1981 Aug;74:153–5

Escherichia coli–associated porcine neonatal diarrhea: antibacterial activities of colostrum from genetically susceptible and resistant sows. Sellwood R. **Infect Immun** 1982 Feb;35(2):396–401

Effect of parenteral vaccination of dams on intestinal Escherichia coli in piglets with diarrhea. Söderlind O, et al. **Infect Immun** 1982 Jun;36(3):900–6

Serological studies on swine influenza in Egypt. Shalaby MA, et al. **Int J Zoonoses** 1981 Dec;8(2):100–6

Prevalence and distribution of pseudorabies antibody in California swine. Howarth JA, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:494–501

Evaluation of a live Salmonella choleraesuis vaccine by intranasal challenge. Hanna J, et al. **Res Vet Sci** 1979 Mar; 26(2):216–9

Serological and bacteriological survey of leptospiral infection in pigs in southern England. Hathaway SC, et al. **Res Vet Sci** 1981 Sep;31(2):169–73

Presence of serum agglutinins to Campylobacter sputorum subspecies mucosalis in pigs. Lawson GH, et al. **Res Vet Sci** 1982 Jan;32(1):89–94

Effect of a hog cholera vaccine strain on the bactericidal activity of porcine alveolar macrophages. Pijoan C, et al. **Rev Latinoam Microbiol** 1980 Apr–Jun;22(2):69–71

Lymphocyte stimulation in swine dysentery. Jenkins EM, et al. **Vet Immunol Immunopathol** 1981 Feb;2(1):19–26

Antibody response of swine experimentally infected with Mycoplasma hyosynoviae. Zimmermann BJ, et al. **Vet Microbiol** 1982 May;7(2):135–46

Demonstration of immunity against Isospora suis in swine. Stuart BP, et al. **Vet Parasitol** 1982 Feb;9(3–4):185–91

Intranasal vaccination of pigs against Aujeszky's disease. 1. Comparison of intranasal and parenteral vaccination with an attenuated vaccine in 12–week–old pigs from immunized dams. de Leeuw PW, et al. **Vet Q** 1982 Apr;4(2):49–56

Mannose–resistant haemagglutination and colonisation factors among Escherichia coli strains isolated from pigs. Oliveira MS, et al. **Vet Rec** 1981 Sep 26;109(13):275–8

A note on assessment of post–challenge viraemia as an index of protective immunity in pigs against foot–and–mouth disease. Charan S, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):260–2

[Serological demonstration of experimental round worm infections–Ascaris suum, Toxocara canis—in swine by means of the indirect immunofluorescence antibody test] Buchwalder R, et al. **Angew Parasitol** 1981 Nov;22(4):193–9 (Eng. Abstr.) **(Ger)**

[Leptospirosis in porcine livestock. Second serological survey in outbreaks of infectious abortion] Pumarola Busquets A, et al. **Rev Sanid Hig Publica (Madr)** 1979 Jan–Feb; 53(1–2):51–5 (Eng. Abstr.) **(Spa)**

METABOLISM

Some muscle and growth characteris.ics of pigs susceptible to stress. Mitchell G, et al. **Br Vet J** 1981 Jul–Aug; 137(4):374–80

Effects of maternal starvation on some blood metabolites, liver glycogen, birth weight and survival of piglets. Ezekwe MO. **J Anim Sci** 1981 Dec;53(6):1504–10

Failure of stress and supplemental lighting to affect release of prolactin in swine. Hoagland TA, et al. **J Anim Sci** 1981 Aug;53(2):467–72

Amino acid digestibility in pigs with signs of porcine intestinal adenomatosis. Rowan TG, et al. **Vet Rec** 1982 Mar 27;110(13):306–7

[The redox potential of the large intestine in swine in relation to swine dysentery] Hornich M, et al. **Vet Med (Praha)** 1981 Oct;26(10):593–8 (Eng. Abstr.) **(Cze)**

[Protein, myofibrils, sarcoplasma, connective tissue, and nonprotein N levels in various muscles of healthy piglets and those with pathological straddle] Kolb E, et al. **Arch Exp Veterinarmed** 1981;35(5):715–24 (Eng. Abstr.) **(Ger)**

[Oxygen uptake (VO2) and carbon dioxide discharge (VCO2) in swine exposed to exhaustive physical stress] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981;35(5):725–36 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Infection with RS streptococci in pigs. Pedersen KB, et al. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):161–5

Studies on the properties of Treponema hyodysenteriae with special regard to its systematic position. Molnár L. **Acta Vet Acad Sci Hung** 1981;29(1):17–27

Sensitivity to different chemotherapeutics of Treponema hyodysenteriae strains isolated in Hungary. Molnár L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):111–8

Serological, enterotoxin–producing and biochemical properties of Escherichia coli isolated from piglets with neonatal diarrhea in Norway. Lund A, et al. **Acta Vet Scand** 1982;23(1):79–87

Fetal infection with porcine parvovirus in herds with reproductive failure. Sørensen KJ, et al. **Acta Vet Scand** 1981;22(2):162–70

Serological evidence of natural recombinant influenza virus (Hsw1N2) infection among pigs in Japan. Arikawa J, et al. **Acta Virol (Praha)** 1981 Jul;25(4):225–9

Isolation of Mycoplasma flocculare from swine in the United States. Armstrong CH, et al. **Am J Vet Res** 1981 Jun; 42(6):1030–2

Effects of atmospheric ammonia on young pigs experimentally infected with Bordetella bronchiseptica. Drummond JG, et al. **Am J Vet Res** 1981 Jun;42(6):963–8

Plasmid–mediated antimicrobial resistance in Haemophilus pleuropneumoniae. Hirsh DC, et al. **Am J Vet Res** 1982 Feb;43(2):269–72

Bacteriologic study of sow agalactia. Ross RF, et al. **Am J Vet Res** 1981 Jun;42(6):949–55

Replication of porcine enteric adenoviruses in vivo. Ducatelle R, et al. **Arch Virol** 1981;69(3–4):219–28

Isolation of cytopathic porcine rotavirus in cell roller culture in the presence of trypsin. Fukusho A, et al. **Arch Virol** 1981;69(1):49–60

The isolation of Streptococcus suis type II from a pig with meningitis [letter] Buddle JR, et al. **Aust Vet J** 1981 Sep; 57(9):437–8

An abattoir survey of mammary gland lesions in sows with special reference to the bacterial flora of mammary abscesses. Delgado JA, et al. **Br Vet J** 1981 Nov; 137(6):639–43

Antimicrobial sensitivity patterns of Haemophilus pleuropneumoniae isolates from pigs with pneumonia. Libal MC, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):399

Antimicrobial resistance in Escherichia coli strains isolated from pigs with diarrhea. Libal MC, et al. **J Am Vet Med Assoc** 1982 Apr 15;180(8):908–9

Shedding of rotavirus in feces of sows before and after farrowing. Benfield DA, et al. **J Clin Microbiol** 1982 Jul; 16(1):186–90

Identification of Staphylococcus hyicus with the API staph strip. Maddux RL, et al. **J Clin Microbiol** 1982 Jun; 15(6):984–6

Diarrhea in piglets due to Escherichia coli that produce only porcine ileal loop–positive heat–stable enterotoxic component. Kashiwazaki M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):148–9

Anaerobic bacteria isolated from abscesses in pigs. Benno Y, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):309–15

Incidence of rotavirus in artificially reared pigs and some effects of diarrhoea on the physiology and histology of the gastrointestinal tract. Newport MJ, et al. **Res Vet Sci** 1982 Jan;32(1):48–51

The follow–up study of swine and Hong Kong influenza virus infection among Japanese hogs. Arikawa J, et al. **Tohoku J Exp Med** 1982 Apr;136(4):353–8

Branched Mycobacterium–like organisms from swine lymph nodes. Gill BS, et al. **Vet Microbiol** 1982 May;7(2):157–64

The pathogenesis of vesicular exanthema of swine virus and San Miguel sea lion virus in swine. Gelberg HB, et al. **Vet Pathol** 1982 Jul;19(4):424–43

Abortion in sows and the isolation of pasteurella ureae. Corkish JD, et al. **Vet Rec** 1982 Jun 19;110(25):582

Quantitative observations on Bordetella bronchiseptica infection in atrophic rhinitis of pigs. Rutter JM. **Vet Rec** 1981 May 23;108(21):451–4

A re–examination of the role of Campylobacter fetus subspecies coli in enteric disease of the pig. Taylor DJ, et al. **Vet Rec** 1981 Aug 8;109(6):112–5

[Isolation of group D streptococci in pyelitis cystica of swine] Iurukov M, et al. **Vet Med Nauki** 1981;18(3):28–32 (Eng. Abstr.) **(Bul)**

[Mortality in sows caused by Treponema hyodysenteriae] Bouwkamp FT. **Tijdschr Diergeneeskd** 1982 Jan 1; 107(1):34–5 **(Dut)**

[Lesions in slaughtered animals. IV. Decubital lesions in pigs (author's transl)] Nouws JF, et al. **Tijdschr Diergeneeskd** 1981 Dec 15;106(24):1284–7 (Eng. Abstr.) **(Dut)**

[Lesions in slaughtered animals. III. Multiple abscesses in pigs (author's transl)] Soethout AE, et al. **Tijdschr Diergeneeskd** 1981 Aug 15;106(16):806–9 (Eng. Abstr.) **(Dut)**

[Resistance development in human Staphylococcus aureus due to the use of oxytetracycline and tylosin in industrialized swine production units] Hummel R, et al. **Arch Exp Veterinarmed** 1981;35(3):419–32 (Eng. Abstr.) **(Ger)**

[Report of the Streptococcus Reference Center on streptococci isolated from swine between 1968 and 1980. 1. Serological grouping and pathogenic importance] Kunter E. **Arch Exp Veterinarmed** 1982;36(2):279–96 (Eng. Abstr.) **(Ger)**

[Ultrastructural characteristics of the rotavirus detected in swine with gastroenteritis] Kupchinskii LG, et al. **Mikrobiol Zh** 1981 Jul–Aug;43(4):499–501 **(Rus)**

MORTALITY

Baby pig deaths. **Mod Vet Pract** 1981 Jul;62(7):571–2

OCCURRENCE

Pathological lesions in swine at slaughter. IV. Pathological lesions in relation to rearing system and herd size. Flesjå KI, et al. **Acta Vet Scand** 1981;22(2):272–82

A survey of mycobacteriosis of feral figs in the Northern Territory. Corner LA, et al. **Aust Vet J** 1981 Dec; 57(12):537–42

The 1975 foot–and–mouth disease epidemic in Malta. IV: Analysis of the epidemic. Sellers RF, et al. **Br Vet J** 1981 Nov;137(6):608–20

Porcine Haemophilus pleuropneumonia epizootic in southwestern Ontario: clinical, microbiological, pathological and some epidemiological findings. Sanford SE, et al. **Can J Comp Med** 1981 Jan;45(1):2–7

An epizootic of swine influenza in Quebec [letter] Morin M, et al. **Can Vet J** 1981 Jun;22(6):204–5

Porcine neonatal coccidiosis. Sanford SE, et al. **Can Vet J** 1981 Sep;22(9):282–5

Pneumonia in Saskatchewan swine: abattoir incidence of intrathoracic lesions in pigs from a herd infected with Haemophilus pleuropneumoniae and from other herds. Saunders JR, et al. **Can Vet J** 1981 Aug;22(8):244–7

Prevalence and distribution of Sarcocystis sp among wild swine of southeastern United States. Barrows PL, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1117–8

The effect of time in lairage on the frequency of salmonella infection in slaughtered pigs. Craven JA, et al. **J Hyg (Lond)** 1982 Feb;88(1):107–11

Declining of prevalence of latent swine toxoplasmosis in recent years. Katsube Y, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):761–2

Culling of gilts with special reference to reproductive failure. Ehnvall R, et al. **Nord Vet Med** 1981 Apr–May; 33(4–5):167–71

Osteochondrosis and arthrosis in Norwegian slaughter–pigs in 1980 compared to 1970. Grøndalen T. **Nord Vet Med** 1981 Sep–Nov;33(9–11):417–22

Epidemiologic factors in piglet diarrhea. Halgaard C. **Nord Vet Med** 1981 Sep–Nov;33(9–11):403–12

Aujeszky's disease: recent advances and current problems. Baskerville A. **NZ Vet J** 1981 Oct;29(10):183–5 (15 ref.)

An epidemic of swine influenza in Japan. Sugimura T, et al. **Res Vet Sci** 1981 Nov;31(3):345–9

Studies on the blood parasites of pigs in Ibadan, Nigeria. Dipeolu OO, et al. **Vet Parasitol** 1982 Mar;10(1):87–90

Seasonal infertility in pigs. Love RJ. **Vet Rec** 1981 Oct 31; 109(18):407–9

Swine pox in Nigeria. Olufemi BE, et al. **Vet Rec** 1981 Sep 26;109(13):278–80

Studies on swine atrophic rhinitis. I. Investigations into the epizootiology, diagnosis, and specific prevention of the disease. Elías B, et al. **Zentralbl Veterinarmed [B]** 1981; 28(5):363–70

[Influenza epizootic in swine due to strain A (Victoria/3/75 H3N2)] Milev N, et al. **Vet Med Nauki** 1981;18(4):10–6 (Eng. Abstr.) **(Bul)**

[Pleuropneumonia in swine due to Haemophilus pleuropneumonia s. parahaemolyticus. II. Studies on the epidemiology and the relation to chronic pleuritis (pleural scars) in baconers (author's transl)] Christensen G. **Nord Vet Med** 1981 Apr–May;33(4–5):236–49 (Eng. Abstr.) **(Dan)**

[Porcine babesiosis epizootic due to Babesia perroncitoi, Cerruti 1939 in Senegal] Vercruysse J, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):125–31 (Eng. Abstr.) **(Fre)**

[Fetal death in gilts and embryonic and fetal growth] Lutter K, et al. **Arch Exp Veterinarmed** 1981;35(5):687–95 (Eng. Abstr.) **(Ger)**

[Cultural and serological studies of the occurrence of Yersinia enterocolitica infections in swine and cattle] Hawari AD, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15; 94(20):404–9 (Eng. Abstr.) **(Ger)**

[Investigations into the epizootiology of infections with cystforming coccidia (Toxoplasmidae, Sarcocystidae) in cats, cattle and free–living rodents (author's transl)] Rommel M, et al. **DTW** 1982 Feb 5;89(2):57–62 (Eng. Abstr.) **(Ger)**

[Serogical studies on an epidemic prevalence of swine type influenza virus among swine and human beings (author's transl)] Satsuta K, et al. **Nippon Juigaku Zasshi** 1981 Aug; 43(4):531–8 (Eng. Abstr.) **(Jpn)**

[Epizootiology of coccidiosis of swine in the Bochnia Territory] Surma F. **Wiad Parazytol** 1981;27(4–5):641–57 (Eng. Abstr.) **(Pol)**

[Prevalence of antibodies against Toxoplasma gondii in cattle and swine] Montoya F, et al. **Bol Of Sanit Panam** 1981 Sep;91(3):219–27 (Eng. Abstr.) **(Spa)**

[Trichinellosis in swine authorized for human consumption (author's transl)] Alcaino HA, et al. **Rev Med Chil** 1981 Jun;109(6):516–8 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Experimental infection on sheep and pigs with Echinococcus

granulosus (Batsch, 1786), and the origin of pouching in hydatid cysts. Slais J. **Acta Vet Acad Sci Hung** 1981; 28(4):375–87

Effects of atmospheric ammonia on young pigs experimentally infected with Ascaris suum. Drummond JG, et al. **Am J Vet Res** 1981 Jun;42(6):969–74

Cryptosporidial infection of piglets. Links IJ. **Aust Vet J** 1982 Feb;58(2):60–2

Anthelmintic activity of albendazole against adult Metastrongylus apri in artificially infected swine. Ferguson DL. **J Anim Sci** 1981 Dec;53(6):1511–5

Diagnosis of ectoparasitism. Klayman E, et al. **Mod Vet Pract** 1981 Oct;62(10):767–71

Pig trypanosomiasis: effects of infection on feed intake, liveweight gain and carcass traits. Ilemobade AA, et al. **Trop Anim Health Prod** 1981 Aug;13(3):128–36

Coccidiosis in swine: a search for extraintestinal stages of Isospora suis. Stuart BP, et al. **Vet Rec** 1982 Jan 23; 110(4):82–3

[Eimeriidae and helminths of swine and wild boar in Belgium. Incidence of antitoxoplasmic antibodies] Cotteleer C, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):37–47 (Eng. Abstr.) **(Fre)**

[Coccidiosis of swine in the Białystok province] Wieczorowski S. **Wiad Parazytol** 1981;27(1):59–60 (Eng. Abstr.) **(Pol)**

[Fertility of hydatid cysts in three animal species in Chile and the study of the viability of the scolices (author's transl)] González H, et al. **Bol Chil Parasitol** 1981 Jan–Jun; 36(1–2):14–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Ultrastructural cutaneous changes in zinc-depleted pigs. Kapp P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):463–71

Swine dysentery: a scanning electron microscopic investigation. Teige J Jr, et al. **Acta Vet Scand** 1981; 22(2):218–25

Experimental Sarcocystis suicanis infections: disease in growing pigs. Barrows PL, et al. **Am J Vet Res** 1982 Aug; 43(8):1409–12

Adenovirus enteritis in pigs. Coussement W, et al. **Am J Vet Res** 1981 Nov;42(11):1905–11

Communicating cartilage canals of the physis of the distal part of the ulna of growing swine and their potential role in healing of metaphyseal dysplasia of osteochondrosis. Kincaid SA, et al. **Am J Vet Res** 1982 Jun;43(6):938–44

Serial endoscopic observation of swine gastroesophageal ulceration induced by injection of a histamine–oil–beeswax mixture. Kokue E, et al. **Am J Vet Res** 1981 Oct; 42(10):1807–10

Gross and microscopic lesions of middle and inner ear infections in swine. Olson LD. **Am J Vet Res** 1981 Aug; 42(8):1433–40

Long-term effect of Bordetella bronchiseptica infection in neonatal pigs. Underdahl NR, et al. **Am J Vet Res** 1982 Apr;43(4):622–5

Muscle fibre type, fibre diameter and pH1 values of M. longissimus dorsi of normal, malignant hyperthermia- and PSE-susceptible pigs. Heffron JJ, et al. **Br Vet J** 1982 Jan–Feb;138(1):45–50

Pathological findings associated with locomotory disturbances in lactating and recently weaned sows. Doige CE. **Can J Comp Med** 1982 Jan;46(1):1–6

Induction of swine dysentery in swine by the intravenous injection of filtered Treponema hyodysenteriae. Olson LD. **Can J Comp Med** 1981 Oct;45(4):371–6

Porcine focal symmetrical poliomyelomalacia. Wilson TM, et al. **Can J Comp Med** 1982 Apr;46(2):218–20

The results of studies on congenital cervical situs of the heart in domestic animals. Wyrost P. **Folia Morphol (Praha)** 1981; 29(3):220–3

Tumours of the mucosa of the ethmoid in pigs. Rajan A, et al. **Indian J Cancer** 1981 Sep;18(3):202–5

Ovine and porcine so-called cardiac rhabdomyoma (hamartoma). Bradley R, et al. **J Comp Pathol** 1980 Oct; 90(4):551–8

The ultrastructural morphology of the skeletal muscles of normal pigs and pigs with splayleg from birth to one week of age. Bradley R, et al. **J Comp Pathol** 1980 Jul; 90(3):433–46

Malacoplakia-like lesion in the lymph node of a pig. Gill BS, et al. **J Comp Pathol** 1981 Oct;91(4):539–44

The pathological and serological response induced in pigs by parenteral inoculation of Mycoplasma hyopneumoniae. Lloyd LC, et al. **J Comp Pathol** 1981 Jan;91(1):77–83

Scrotal haemangiomas in boars. Munro R, et al. **J Comp Pathol** 1982 Jan;92(1):109–15

The light microscopical morphology of the skeletal muscles of normal pigs and pigs with splayleg from birth to one week of age. Ward PS, et al. **J Comp Pathol** 1980 Jul; 90(3):421–31

Epididymal origin of a coiled-tail sperm defect in a boar. Holt WV. **J Reprod Fertil** 1982 Mar;64(2):485–9

Morphology, histology and steroid hormones of the gonads in intersex pigs. Hunter RH, et al. **J Reprod Fertil** 1982 Jan;64(1):217–22

An electron microscopic study of cytomegalic inclusion body disease in the swine. Yoshikawa T, et al. **Kitasato Arch Exp Med** 1980 Jun;53(1–2):43–54

An incidence of pseudorabies (Aujeszky's Disease) in piglets in Japan. Itakura C, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):923–7

Cyst formation in mesosalpinx, mesovarium and fimbria in cows and sows. Tsumura I, et al. **Nippon Juigaku Zasshi** 1982 Feb;44(1):1–8

Histopathological studies on pigs with atrophic rhinitis showing retarded growth. Yoshikawa T, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):221–31

Atrophic rhinitis of pigs in New Zealand. Hodges RT. **NZ Vet J** 1981 Aug;29(8):142–3

Immunoperoxidase study of Aujeszky's disease in pigs. Ducatelle R, et al. **Res Vet Sci** 1982 May;32(3):294–302

Experimental infection of pigs with Oesophagostomum dentatum: pathogenesis and parasitology of repeated mass infection. Poelvoorde J, et al. **Res Vet Sci** 1981 Jul; 31(1):10–3

Cutaneous and systemic porcine mastocytosis. Bundza A, et al. **Vet Pathol** 1982 Jul;19(4):453–5

Pathology of experimental CV777 coronavirus enteritis in piglets. I. Histological and histochemical study. Coussement W, et al. **Vet Pathol** 1982 Jan;19(1):46–56

Sequential pathological study of experimental porcine adenovirus enteritis. Ducatelle R, et al. **Vet Pathol** 1982 Mar;19(2):179–89

Pathology of experimental CV777 coronavirus enteritis in piglets. II. Electron microscopic study. Ducatelle R, et al. **Vet Pathol** 1982 Jan;19(1):57–66

Porcine abortions associated with Fungi, Actinomycetes, and Rhodococcus sp. Eustis SL, et al. **Vet Pathol** 1981 Sep; 18(5):608–13

Swine cerebrospinal angiopathy and demyelination and malacia. Nakamura K, et al. **Vet Pathol** 1982 Mar; 19(2):140–9

High-fever syndrome in pigs. Pedersen KB, et al. **Vet Rec** 1981 Dec 12;109(24):537

Light microscopy and ultrahistology of intestinal changes in pigs infected with epizootic diarrhoea virus (EVD): comparison with transmissible gastroenteritis (TGE) virus and porcine rotavirus infections. Pospischil A, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):564–77

[Comparative pathomorphological studies of piglets infected with different strains of the pseudorabies virus] Veselinova A. **Vet Med Nauki** 1981;18(4):17–24 (Eng. Abstr.) **(Bul)**

[Pathomorphological changes in colibacteriosis in pigs] Veselinova A, et al. **Vet Med Nauki** 1981;18(5):39–47 (Eng. Abstr.) **(Bul)**

[Regional ileitis – a diarrheal disease of pigs] Hornich M, et al. **Vet Med (Praha)** 1981 Oct;26(10):585–92 (Eng. Abstr.) **(Cze)**

[Pathohistological and electron microscopic studies of swine skeletal muscles following defined exposure to stress--comparison between low-mobility and high-mobility conditions] Johannsen U, et al. **Arch Exp Veterinarmed** 1981;35(5):641–60 (Eng. Abstr.) **(Ger)**

[Hemorrhagic necrotizing pleuropneumonia in swine caused by Actinobacilli] Kielstein P, et al. **Arch Exp Veterinarmed** 1981;35(6):879–902 (Eng. Abstr.) **(Ger)**

[Iconography No. 11. Multiple heterotopic development of the testes in hermaphroditismus ambiglandularis] Schoon HA, et al. **DTW** 1981 Nov 5;88(11):491 **(Ger)**

[Morphological and histochemical studies of skin, mucous membranes and hooves of swine in experimental biotin deficiency] Geyer H, et al. **Zentralbl Veterinarmed [A]** 1981; 28(7):574–92 (Eng. Abstr.) **(Ger)**

[Cerebral infarction in swine] Guarda F, et al. **Schweiz Arch Tierheilkd** 1981 Oct;123(10):535–43 (Eng. Abstr.) **(Ita)**

[Histological and bacteriological examination of uterus from the repeat breeder gilt and sow (author's transl)] Karlberg K, et al. **Nord Vet Med** 1981 Jun–Aug;33(6–8):359–65 (Eng. Abstr.) **(Nor)**

PHYSIOPATHOLOGY

Reproductive performance of gilts exposed to porcine parvovirus at 56 or 70 days of gestation. Mengeling WL, et al. **Am J Vet Res** 1981 Dec;42(12):2074–6

Influence of an experimental infection of nodular worms (Oesophagostomum spp.) on performance of pigs. Hale OM, et al. **J Anim Sci** 1981 Feb;52(2):316–22

Endotoxin induced migration of leukocytes from blood to milk. McKenzie WN Jr, et al. **J Dairy Sci** 1981 Feb; 64(2):227–35

Plasmids coding for enterotoxins, K88 antigen and colicins in porcine Escherichia coli strains of O-group 149. Franklin A, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):63–72

Effect of cardiac arrest on exsanguination in pigs. Warriss PD, et al. **Res Vet Sci** 1981 Jul;31(1):82–6

PREVENTION & CONTROL

Anti-dysenteric and growth-promoting effect of virginiamycin in pigs. Pesti L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):183–91

Vaccination against porcine parvovirus infection. Sørensen KJ, et al. **Acta Vet Scand** 1981;22(2):171–9

Immunogenicity of bivalent vaccine for reproductive failure of swine induced by pseudorabies virus and porcine parvovirus. Mengeling WL, et al. **Am J Vet Res** 1981 Apr; 42(4):600–3

Prevention of gastric ulcers in swine by feeding of sodium polyacrylate. Yamaguchi M, et al. **Am J Vet Res** 1981 Jun; 42(6):960–2

Renal leptospirosis in vaccinated pigs. Cargill CF, et al. **Aust Vet J** 1981 May;57(5):236–8

Field testing of a killed Haemophilus parahaemolyticus vaccine in pigs. Mason RW, et al. **Aust Vet J** 1982 Mar; 58(3):108–10

Protection against colibacillosis in neonatal piglets by immunization of dams with procholeragenoid. Fürer E, et al. **Infect Immun** 1982 Mar;35(3):887–94

Vitamin E for swine. Ullrey DE. **J Anim Sci** 1981 Oct; 53(4):1039–56

Cimetidine prophylaxis for gastric ulcers in laboratory swine. Anderson LC, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):498–501

Immunity to infection with porcine parvovirus in pigs inoculated with the attenuated HT- strain. Fujisaki Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Spring;22(1):36–7

New era vaccine [news] Schuuring C. **Nature** 1982 Apr 29; 296(5860):792

Status of the cooperative state-federal brucellosis eradication program. Johnson BG. **Proc Annu Meet US Anim Health Assoc** 1980;84:142–51

Oronasal challenge of fattening pigs after vaccination with an inactivated Aujeszky's disease vaccine. Pensaert MB, et al. **Res Vet Sci** 1982 Jan;32(1):12–6

Cloned viral protein vaccine for foot-and-mouth disease: responses in cattle and swine. Kleid DG, et al. **Science** 1981 Dec 4;214(4525):1125–9

Tiamulin feed premix in the prevention and control of swine dysentery under farm conditions in the UK. Burch DG. **Vet Rec** 1982 Mar 13;110(11):244–6

Clinical profiles in piglets [letter] Edwards BL. **Vet Rec** 1982 Feb 13;110(7):159

Aujeszky's disease [letter] Heard TW. **Vet Rec** 1982 Jan 23; 110(4):89–90

Aujeszky's disease [letter] Scambler JD, et al. **Vet Rec** 1982 Mar 20;110(12):290

Immunisation of pigs against experimental infection with Bordetella bronchiseptica. Smith IM, et al. **Vet Rec** 1982 May 22;110(21):488–94

Inheritance of Escherichia coli K88 adhesion in pigs: identification of nonadhesive phenotypes in a commercial herd. Snodgrass DR, et al. **Vet Rec** 1981 Nov 21; 109(21):461–3

Eradication of swine dysentery from closed pig herds. Tasker JB, et al. **Vet Rec** 1981 Apr 25;108(17):382

Prevention of Glässer's disease through immunity to Haemophilus parasuis. Riising HJ. **Zentralbl Veterinarmed [B]** 1981;28(8):630–8

[Effect of megadose vitamin C on osteochondrosis in pigs (author's transl)] Grøndalen T, et al. **Nord Vet Med** 1981 Sep–Nov;33(9–11):423–6 (Eng. Abstr.) **(Dan)**

[From the Veterinary Chief Inspection of Public Health and Board of the Veterinary Service. Eradication plan for classical swine plague approved] **Tijdschr Diergeneeskd** 1982 Mar 15;107(6):242–3 (Eng. Abstr.) **(Dut)**

[Reduced loss of pigs with an acid iron preparation in the drinking water] Hol A. **Tijdschr Diergeneeskd** 1981 Nov 15;106(22):1159–61 **(Dut)**

[Bad lactation in the older sows (author's transl)] Logtenberg HL, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1226–7 (Eng. Abstr.) **(Dut)**

[Field experience using an inactivated vaccine in Aujeszky's disease vaccination of cattle (author's transl)] Rigter IA, et al. **Tijdschr Diergeneeskd** 1981 Oct;106(19):993–5 (Eng. Abstr.) **(Dut)**

[Aujeszky's disease: serological responsiveness after vaccination of 6–10-week-old piglets with maternal antibody (author's transl)] Tielen MJ, et al. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):739–47 (Eng. Abstr.) **(Dut)**

[Modification of embryonal mortality in swine by the administration of sexual agents in early pregnancy] Elze K, et al. **Arch Exp Veterinarmed** 1981;35(6):937–44 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Acroosteolysis of Phalanx III in Danish Landrace pigs. A radiological and histological study. Arnbjerg J, et al. **Nord Vet Med** 1981 Apr–May;33(4–5):199–205

SURGERY

A surgical technique for excision of prolapsed rectum in swine [letter] Filipov MM. **Can Vet J** 1981 Nov;22(11):362

The prevention of orchiopexy-induced testicular lesions in the pig. Frankenhuis MT, et al. **Eur J Pediatr** 1982 Feb; 138(1):26–7

THERAPY

Piglet diarrhoea: a guide to diagnosis and control. Alexander TJ. **Br Vet J** 1981 Nov;137(6):651–62

[Production and use of hyperimmune heterologous horse serum against colibacteriosis in swine] Dobrev V, et al. **Vet Med Nauki** 1982;19(1):41–6 (Eng. Abstr.) **(Bul)**

[Deparasitization of sows during lactation and of weanling pigs: effect on body weight of young pigs] Belot J, et al. **Arch Inst Pasteur Tunis** 1981 Mar–Jun;58(1–2):39–42 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Experimental transmission of pseudorabies virus in swine by

embryo transfer. Bolin SR, et al. **Am J Vet Res** 1982 Feb; 43(2):278–80

Failure of swine influenza virus to cause transplacental infection of porcine fetuses. Brown TT Jr, et al. **Am J Vet Res** 1982 May;43(5):817–9

Role of the rat in the transmission of porcine parvovirus. Cutler R, et al. **Am J Vet Res** 1982 Mar;43(3):493–6

Use of prediction models to forecast and analyse airborne spread during the foot-and-mouth disease outbreaks in Brittany, Jersey and the Isle of Wight in 1981. Donaldson AI, et al. **Vet Rec** 1982 Jan 16;110(3):53–7

Long distance transport of foot-and-mouth disease virus over the sea. Gloster J, et al. **Vet Rec** 1982 Jan 16; 110(3):47–52

Investigation into the spread of swine dysentery in 25 herds of East Anglia and assessment of its economic significance in five herds. Windsor RS, et al. **Vet Rec** 1981 Nov 28; 109(22):482–4

Experimental transplacental transmission of hog cholera virus in pigs. V. Immunopathological findings in newborn pigs. Hermanns W, et al. **Zentralbl Veterinarmed [B]** 1981; 28(9–10):669–83

Experimental transplacental transmission of hog cholera virus in pigs. IV. Virological and serological studies in newborn piglets. Meyer H, et al. **Zentralbl Veterinarmed [B]** 1981; 28(8):659–68

[Reproduction of salmonellosis in swine by aerosol infection] Minev M, et al. **Vet Med Nauki** 1981;18(5):48–56 (Eng. Abstr.) **(Bul)**

[Transmission of Mycoplasma from the swine dam to fetus] Heitmann J, et al. **Zentralbl Veterinarmed [B]** 1981; 28(5):378–85 (Eng. Abstr.) **(Ger)**

[Comparative infectivity of geohelminthiases in a population living in and outside an area affected by a swine-breeding farm complex] Talapa AI, et al. **Med Parazitol (Mosk)** 1982 Mar-Apr;60(2):75–8 (Eng. Abstr.) **(Rus)**

SWINE ERYSIPELAS see under **ERYSIPELOTHRIX INFECTIONS**

SWINE FEVER VIRUS see **HOG CHOLERA VIRUS**

SWINE VESICULAR DISEASE see under **ENTEROVIRUS INFECTIONS**

SWINEPOX VIRUS see under **POXVIRIDAE**

SWISS BLUE see **METHYLENE BLUE**

SWITCHBOARD SERVICE see **TELEPHONE**

SYCOSIS see **FOLLICULITIS**

SYDNONES see under **OXADIAZOLES**

SYMBIOSIS

Genetic engineering of symbiotic nitrogen fixation and conservation of fixed nitrogen. **Basic Life Sci** 1980 Jun-Jul; 17:1–698

Molecular genetics of symbiotic nitrogen fixation. Ausubel FM. **Cell** 1982 May;29(1):1–2 (19 ref.)

Transmission of symbiotic algae to eggs of green hydra. Muscatine L, et al. **Cytobios** 1982;33(130):111–24

Participation of algal surface structures in the cell recognition process during infection of aposymbiotic Paramecium bursaria with symbiotic chlorellae. Reisser W, et al. **Cytobios** 1982;33(129):39–50

Trypanosomatidae: isoleucine requirement and threonine deaminase in species with and without endosymbionts. Alfieri SC, et al. **Exp Parasitol** 1982 Jun;53(3):371–80

Plasmids and stability of symbiotic properties of Rhizobium trifolii. Djordjevic MA, et al. **J Bacteriol** 1982 Aug; 151(2):560–8

Physical and genetic characterization of symbiotic and auxotrophic mutants of Rhizobium meliloti induced by transposon Tn5 mutagenesis. Meade HM, et al. **J Bacteriol** 1982 Jan;149(1):114–22

Ultrastructural differences between species of trypanosomatids with and without endosymbionts. Freymuller E, et al. **J Protozool** 1981 May;28(2):175–82

Bacterial attachment as related to cellular recognition in the Rhizobium–legume symbiosis. Dazzo FB. **J Supramol Struct Cell Biochem** 1981;16(1):29–41

Genes controlling early and late functions in symbiosis are located on a megaplasmid in Rhizobium meliloti. Rosenberg C, et al. **MGG** 1981;184(2):326–33

Has the endosymbiont hypothesis been proven? Gray MW, et al. **Microbiol Rev** 1982 Mar;46(1):1–42 (488 ref.)

[Chaetogaster limnaei K.E. v. Baer. A problem for laboratory water-snail colonies in research on trematodes] Patzig F, et al. **Z Parasitenkd** 1981;65(3):261–70 **(Ger)**

RADIATION EFFECTS

Differential action of penicillin and uv-light on endosymbionts of the ciliate Euplotes crassus. Verni F. **Experientia** 1982 Mar 15;38(3):335–6

SYMBIOTIC RELATIONS (PSYCHOLOGY) see **OBJECT ATTACHMENT**

SYMBOLISM (PSYCHOLOGY)

Sign and symbol in children's processing of familiar auditory stimuli. Lamberts F. **Am J Ment Defic** 1981 Nov; 86(3):300–8

Comments on snake symbolism and mind-body relations. Eigen M. **Am J Psychoanal** 1981 Spring;41(1):73–9

Symbols, symptoms, and delusions: an existential analysis. Niv MD. **Am J Psychoanal** 1981 Fall;41(3):239–47

Pantomime recognition defect in aphasia: implications for the concept of asymbolia. Varney NR. **Brain Lang** 1982 Jan; 15(1):32–9

Either/or. A contribution to the problem of symbolization and sublimation. Thorner H. **Int J Psychoanal** 1981;62(Pt 4):455–63

Comment on 'The riddle of the vas bene clausum' by K. D. Newman. Lambert K. **J Anal Psychol** 1981 Jul; 26(3):243–8

Application of an alchemical model to milieu functioning. McGoveran P. **J Anal Psychol** 1981 Jul;26(3):249–60

The riddle of the vas bene clausum. Newman KD. **J Anal Psychol** 1981 Jul;26(3):229–41

Words and pictures as representations. Gonzalez EG, et al. **J Biocommun** 1982 Jul;9(2):22–7

Visual shorthand. Rankin BN. **J Biocommun** 1982 Jul; 9(2):28–33

Nonlinguistic symbolic and conceptual abilities of language-impaired and normally developing children. Kamhi AG. **J Speech Hear Res** 1981 Sep;24(3):446–53

A human performance evaluation of graphic symbol-design features. Samet MG, et al. **Percept Mot Skills** 1982 Jun; 54(3 Pt 2):1303–10

The creative act as a means of overcoming resistance in treatment. Lyshak F, et al. **Psychoanal Rev** 1981 Fall; 68(3):395–407

Creative interventions in psychoanalytic psychotherapy. Mattes J, et al. **Psychoanal Rev** 1981 Fall;68(3):386–94

'Representation' in the chimpanzee. Epstein R. **Psychol Rep** 1982 Jun;50(3 Pt 1):745–6

'Tonic', 'fuel' and 'food': social and symbolic aspects of the long-term use of psychotropic drugs. Helman CG. **Soc Sci Med [B]** 1981 Oct;15(4):521–33

[Evolution of symbolic behavior and the beginning of communication in children under 2 years] Bonnet C. **Psychiatr Enfant** 1981;24(1):5–39 **(Fre)**

[The bull as a symbol of fertility. A report about findings of several territories (author's transl)] Hausmann W. **DTW** 1982 Feb 5;89(2):86–8 **(Ger)**

[Symbolism and course in the therapy of a 13-year-old stutterer with the catathymic picture imagery] Hälg P. **Prax Kinderpsychol Kinderpsychiatr** 1981 Oct;30(7):236–43 (Eng. Abstr.) **(Ger)**

SYMPAETHAMIN see **SYNEPHRINE**

SYMPATHECTOMY

Evidence for increased protein synthesis in myocardial microvessels after chronic sympathectomy in the dog. Jones CE, et al. **Acta Anat (Basel)** 1981;109(4):313–20

The evaluation of palliative effects of sympathectomies in the comprehensive treatment of sequelae of internal carotid obliterations. Clinical and statistical results. Pospíšil M. **Acta Univ Carol [Med] (Praha)** 1980;26(7–8):351–454

Prospective randomized study of concomitant lumbar sympathectomy with aortoiliac reconstruction. Satiani B, et al. **Am J Surg** 1982 Jun;143(6):755–60

Peripheral Nerve unmyelinated axons following lumbar sympathectomy. Chad D, et al. **Ann Neurol** 1981 Nov; 10(5):486–8

Chemical and operative lumbar sympathectomy. Moore PJ, et al. **Br J Clin Pract** 1981 Jun;35(6):233–4, 237

What is the place of lumbar sympathectomy? Lindenauer SM, et al. **Br J Surg** 1982 Jun;69 Suppl:S32–3

Is there still a place for lumbar sympathectomy? [editorial] Walker PM. **Can Med Assoc J** 1982 Sep 1;127(5):353–4

Management of severe foot ischemia by low lumbar selective ganglionectomy. Chavatzas D. **Cardiovasc Res Cent Bull** 1980 Apr-Jun;18(4):90–3

Surgical sympathectomy in a case of contact dermatitis. de Moragas JM, et al. **Contact Dermatitis** 1982 Jul;8(4):270

Effects of neonatal sympathetic denervation on amylase secretion in the adult rat parotid gland: difference in beta 1- and beta 2-adrenoceptor response. Henriksson R, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):195–200

Reserpine and sympathetic denervation cause an increase of postsynaptic alpha 2-adrenoceptors. Watanabe Y, et al. **Eur J Pharmacol** 1982 May 7;80(1):105–8

Cardiac hypertrophy accelerated by left cervical sympathectomy in spontaneously hypertensive rats. Matoba T, et al. **Experientia** 1981 Jul 15;37(7):736–7

Thoracic sympathectomy. Review of indications, results and surgical techniques. Mattassi R, et al. **J Cardiovasc Surg (Torino)** 1981 Jul-Aug;22(4):336–9

Menière's disease: long-term results of sympathectomy. Adams DA, et al. **J Laryngol Otol** 1982 Aug;96(8):705–10

Effect of sympathectomy on spinal blood flow autoregulation and posttraumatic ischemia. Young W, et al. **J Neurosurg** 1982 May;56(5):706–10

The positive inotropic effect of (–)-noradrenaline and (+/–)-isoprenaline after chemical sympathectomy: evidence in favour of differences at a postsynaptic site. Ebner F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb;316(1):8–18

alpha 1- and alpha 2-adrenoceptors in rat cerebral cortex: effect of frontal lobotomy. Morris MJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):42–4

Electron microscopic evidence that bretylium and pargyline delay adrenergic nerve degeneration after sympathectomy of the pineal gland. Sanz NR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 May; 319(2):136–9

Substance P in the mouse cornea: effects of chemical and surgical denervation. Keen P, et al. **Neurosci Lett** 1982 Apr 26;29(3):231–5

Relationship between autonomic innervation and hemodynamics of the gastric tube for esophageal reconstruction, especially the effect of thoracic sympathectomy on the microcirculatory disturbance in the gastric tube. Mii T. **Nippon Geka Hokan** 1981 Nov 1; 50(6):747–68

[Mooren's ulcer treated by cervical sympathectomy: a possible new therapy (author's transl)] Falcinelli GC, et al. **J Fr Ophtalmol** 1981;4(12):815–8 (Eng. Abstr.) **(Fre)**

[Sympathectomy and bone circulation (animal experiments) (author's transl)] Köcher W, et al. **Zentralbl Chir** 1981; 106(13):862–72 (Eng. Abstr.) **(Ger)**

[Distal obstructive arteriopathies of the extremities] Di Giovanni V, et al. **Minerva Cardioangiol** 1981 Oct; 29(10):555–66 (Eng. Abstr.) **(Ita)**

[Current indications for lumbar sympathectomy in obstructive arteriopathies of the lower extremities] Pietri P, et al. **Minerva Chir** 1981 Sep 30;36(18):1183–90 (33 ref.) (Eng. Abstr.) **(Ita)**

[Changes in sexual activity after direct or indirect hyperemization surgery] Lapilli A, et al. **Minerva Urol** 1981 Oct-Dec;33(4):239–44 (Eng. Abstr.) **(Ita)**

[Effectiveness of lumbar sympathectomy in arteriosclerosis obliterans in the elderly] Skliarenko RT. **Vestn Khir** 1982 Mar;128(3):69–71 **(Rus)**

[Value of vidian nerve resection in vasomotor rhinitis] Matić V, et al. **Srp Arh Celok Lek** 1981 Mar;109(3):403–8 **(Scc)**

ADVERSE EFFECTS

[Treatment of postsympathectomy lumbar pain by subcutaneous electrical nerve stimulation] Cacciatore E, et al. **Angiologia** 1982 Jan-Feb;34(1):34–7 **(Spa)**

METHODS

Transaxillary sympathectomy—is a one-stage bilateral procedure safe? Campbell WB, et al. **Br J Surg** 1982 Jun; 69 Suppl:S29–31

Transthoracic electrocoagulation (T.T.E.C.)--a new and simple approach to upper limb sympathectomy. Malone PS, et al. **Ir Med J** 1982 Jan;75(1):20–1

Prediction of the needed level of sympathectomy for posttraumatic reflex sympathetic dystrophy. Erdemir H, et al. **Surg Neurol** 1982 May;17(5):353–4

[Prospective study on the effect of lumbar sympathectomy in state II of arterial occlusive disease. Observations after 10 years] Waibel P, et al. **Vasa** 1981;10(4):310–11 (Eng. Abstr.) **(Ger)**

[Endoscopic thoracic neurotomy in the treatment of severe forms of bronchial asthma] Babichev SI, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):66–70 (Eng. Abstr.) **(Rus)**

[Role of gangliectomy in the combined treatment of thrombotic obliterating diseases of the extremity arteries] Omeliashko AA, et al. **Klin Khir** 1981 Jul;(7):45–7 (Eng. Abstr.) **(Rus)**

[Upper thoracic sympathectomy using the supraclavicular cervical approach] Zernovicky F, et al. **Rozhl Chir** 1982 May;61(5):325–31 **(Slo)**

SYMPATHECTOMY, CHEMICAL

Effect of sympathectomy with 6-hydroxydopamine on the renal excretion of water and electrolytes in developing rats. Appenroth D, et al. **Acta Biol Med Ger** 1981;40(12):1715–21

Ultrastructural changes in myenteric ganglia in gastro-intestinal sphincters of cat and rat after chemical sympathectomy. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1981;7(1):60–8

Circulatory effects of chemical sympathectomy in fetal, neonatal, and adult sheep. Tabsh K, et al. **Am J Physiol** 1982 Jul;243(1):H113–22

Role of sympathetic system in morphine-induced mydriasis in rat. Wallenstein MC. **Am J Physiol** 1981 Sep; 241(3):R130–5

Chemical lumbar sympathectomy with radiological assessment. Sanderson CJ. **Ann R Coll Surg Engl** 1981 Nov; 63(6):420–2

Effects of guanethidine-induced sympathectomy on cell proliferation in the progenitive compartments of the neonatal mouse incisor. Klein RM, et al. **Arch Oral Biol** 1981;26(4):319–25

Chemical and operative lumbar sympathectomy. Moore PJ, et al. **Br J Clin Pract** 1981 Jun;35(6):233–4, 237

An assessment of the effectiveness of neonatal treatment with guanethidine as a means of producing sympathectomy. Bennett T, et al. **Br J Pharmacol** 1982 Aug;76(4):557–64

Renal intracortical blood flow and renin secretion after denervation by 6-hydroxydopamine. Bichet D, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):184–92

Effects of 4-aminopyridine on insulin secretion and plasma glucose levels in intact and adrenalectomized-chemically sympathectomized mice. Ahrén B, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):221–6

Sympathetic nerve terminal destruction has no effect on specific [3H]ouabain binding to intact mouse and rat skeletal muscle. Clausen T, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):331–5

Gastric and pyloric motor response to sympathetic nerve stimulation after chemical sympathectomy. Lerman SH, et al. **J Auton Nerv Syst** 1981 Sep;4(3):207–15

The sympathetic nervous system modulates antibody response to thymus-independent antigens. Miles K, et al. **J Neuroimmunol** 1981 Mar;1(1):101–5

Postjunctional supersensitivity in young rat heart produced by immunological and chemical sympathectomy. Ishii K, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):209–15

Short-lived denervation of brown adipose tissue of the rat induced by chemical sympathetic denervation. Seydoux J, et al. **J Physiol (Paris)** 1981 May;77(9):1017–22

Management of acute gouty arthritis [letter] Fox HR. **JAMA** 1982 May 21;247(19):2660

Exercise-induced glycogenolysis in sympathectomized rats. Hashimoto I, et al. **Jpn J Physiol** 1982;32(2):153–60

Chemical sympathectomy abolishes the increase in blood pressure of linoleic acid deficient fed rats induced by salt loading. Hoffmann P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):78–80

Arterial pressure, cardiac output and exercise hyperemia in chemically sympathectomized rats. Rodionov IM, et al. **Pflugers Arch** 1981 Oct;391(4):324–6

Growth of sympathetic postganglionic axons after partial chemical destruction with guanethidine. Rodionov IM, et al. **Pflugers Arch** 1981 Dec;392(2):206–9

Frey's syndrome: treatment by chemical sympathectomy. Duthie AM, et al. **S Afr J Surg** 1981 Dec;19(4):239–42

[Use of Doppler ultrasonic examination for per-operative checking of non surgical upper dorsal sympathectomy in the treatment of hyperhydrosis (author's transl)] Nguyen TX, et al. **Neurochirurgie** 1981;27(4):233–5 (Eng. Abstr.) **(Fre)**

[Functional and structural behavior of the cardiovascular system of normotonic and spontaneously hypertensive rats following chemical sympathectomy and angiotensin administration] Matthias D, et al. **Acta Biol Med Ger** 1981; 40(12):1745–58 (Eng. Abstr.) **(Ger)**

[Effect of chemical sympathectomy on ATPase activity and peroxidation of lipids of erythrocyte membrane in rats with myocardial infarction] Chernysheva GV, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):36–7 **(Rus)**

[Cytological analysis of sympathetic neurons of 1- and 5-month-old normal rats and rats subjected to partial sympathectomy] Markov VN. **Biull Eksp Biol Med** 1982 Jan;93(1):108–10 **(Rus)**

[Adaptation of the peripheral organs of rats to noradrenaline deficiency following chronic desympathization] Berdysheva LV, et al. **Fiziol Zh SSSR** 1981 Nov; 67(11):1636–42 (Eng. Abstr.) **(Rus)**

[Cardiac adrenoreactivity of a chemically desympathized animal] Karpova MN, et al. **Patol Fiziol Eksp Ter** 1981 Sep-Oct;(5):17–20 (Eng. Abstr.) **(Rus)**

METHODS

Salvage of ischaemic limb by phenol sympathectomy. Mashiah A, et al. **Age Ageing** 1982 May;11(2):127–9

Chemical lumbar sympathectomy with radiological assessment [letter] **Ann R Coll Surg Engl** 1982 Mar; 64(2):135–7

Selective chemical hepatic sympathectomy in the dog. Allman FD, et al. **Crit Care Med** 1982 Feb;10(2):100–3

[Transient 'chemical' sympathectomy (author's transl)] Benyahia B, et al. **Chirurgie** 1981 Apr-May;107(5):361–6 (Eng. Abstr.) **(Fre)**

SYMPATHETIC BLOCKING AGENTS see **SYMPATHOLYTICS**

SYMPATHETIC FIBERS see **ADRENERGIC FIBERS**

SYMPATHETIC GANGLIA see **GANGLIA, SYMPATHETIC**

SYMPATHETIC NERVE BLOCK see **AUTONOMIC NERVE BLOCK**

SYMPATHETIC NERVOUS SYSTEM

Hyperadrenergic hypomania consequent to the abrupt cessation of clonidine. Tollefson GD. **J Clin Psychopharmacol** 1981 Mar;1(2):93–5

ANALYSIS

Unilaterality of the sympathetic innervation of each pad of rat interscapular brown adipose tissue. Foster DO, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):107–13

Methionine-enkephalin and leucine-enkephalin in human sympathoadrenal system and pheochromocytoma. Yoshimasa T, et al. **J Clin Invest** 1982 Mar;69(3):643–50

Organizational principles in the peripheral sympathetic nervous system: subdivision by coexisting peptides (somatostatin-, avian pancreatic polypeptide-, and vasoactive intestinal polypeptide-like immunoreactive materials). Lundberg JM, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1303–7

ANATOMY & HISTOLOGY

Sympathetic innervation of the urinary bladder. Fehér E, et al. **Acta Morphol Acad Sci Hung** 1981;29(1):27–35

The anatomy and phylogenetic significance of the carotid arteries and nerves in strepsirhine primates. Conroy GC, et al. **Folia Primatol (Basel)** 1981;35(4):237–47

Sites of noradrenergic innervation of the jejunal villus. Thomas EM, et al. **Gen Pharmacol** 1982;13(1):67–9

Cytoarchitectonic organization of lumbar preganglionic sympathetic neurons in the cat. Deuschl G, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):193–213

The ratio of preganglionic axons to postganglionic cells in the sympathetic nervous system of the rat. Brooks-Fournier R, et al. **J Comp Neurol** 1981 Apr 1;197(2):207–16

Origin of sympathetic efferent axons in the renal nerves of the cat. Kuo DC, et al. **Neurosci Lett** 1982 Apr 26; 29(3):213–8

Innervation of the vas deferens and its importance for vasectomy and vasovasostomy. Esk PC, et al. **Urol Int** 1982;37(1):26–33

[Sensory innervation of the palmar and plantar digital cushions of the rat and guinea pig] Panu R, et al. **Arch Ital Anat Embriol** 1980;85(4):363–72 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Changes in peripheral vascular and cardiac sympathetic activity before and after coronary artery bypass surgery: interrelationships with hemodynamic alterations. Kim YD, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):972–9

CYTOLOGY

Association of sympathetic axons in denervated hippocampus to intracerebral vasculature. I. Fluorescence histochemistry combining glyoxylic acid and pontamine sky blue. McGinty JF, et al. **Anat Embryol (Berl)** 1982;164(1):95–100

Interactions between dissociated rat sympathetic neurons and skeletal muscle cells developing in cell culture. I. Cholinergic transmission. Nurse CA. **Dev Biol** 1981 Nov; 88(1):55–70

Interactions between dissociated rat sympathetic neurons and skeletal muscle cells developing in cell culture. II. Synaptic mechanisms. Nurse CA. **Dev Biol** 1981 Nov;88(1):71–9

Distribution of nerve growth factor in chick embryo sympathetic neurons in vitro. Marchisio PC, et al. **J Neurocytol** 1981 Feb;10(1):45–55

The specificity of extracellular glycoprotein complexes in mediating cellular adhesion. Schubert D, et al. **J Neurosci** 1982 Jan;2(1):82–9

Modulation of voltage-dependent currents by muscarinic receptor in sympathetic neurones of bullfrog. Akasu T, et al. **Neurosci Lett** 1982 Mar 17;29(1):41–5

The cytochemical study of rat sympathetic nerve cell chromatin in early postnatal ontogenesis. Grigorjeva AV, et al. **Z Mikrosk Anat Forsch** 1982;96(2):188–200

[Structure and localization of sympathetic neurons in the cat spinal cord] Shabanov AN. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):28–34 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of activation of carotid body chemoreceptors on baroreceptor inhibition of sympathetic activity. Chruścielewski L, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(2):175–87

Inhibition of adrenergic neuroeffector transmission in rabbit pulmonary artery and aorta by adenosine and adenine nucleotides. Husted S, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):334–53

Dual effect of the muscarinic agonist McN-A-343 on vascular neuroeffector transmission. Nedergaard OA. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):354–65

Influence of dopamine and dopaminergic agonists on relaxation of isolated rabbit ileum induced by sympathetic nerve stimulation. György L, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):163–8

Influence of dopamine and dopaminergic agonists on relaxation of isolated rabbit ileum induced by sympathetic nerve stimulation. György L, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):163–8

Antihypertensive agents which inhibit sympathetic activity: potentially adverse effects of combination treatment. Drayer JI, et al. **Am Heart J** 1982 Sep;104(3):660–4

Comparative effects of captopril and MK 421 on sympathetic function in spontaneously hypertensive rats. Antonaccio MJ, et al. **Am J Cardiol** 1982 Apr 21;49(6):1533–4

Interaction of angiotensin-converting enzyme inhibitors with the function of the sympathetic nervous system. Clough DP, et al. **Am J Cardiol** 1982 Apr 21;49(6):1410–4

The contributions of sympathetic tone and the renin-angiotensin system to severe chronic congestive heart failure: response to specific inhibitors (prazosin and captopril). Kluger J, et al. **Am J Cardiol** 1982 May; 49(7):1667–74

Role of sympathetic nervous system activity in the blood pressure response to long-term captopril therapy in severely hypertensive patients. Weinberger MH. **Am J Cardiol** 1982 Apr 21;49(6):1542–3

Effects of Mepivacaine on adrenergic neuroeffector junction of the isolated rabbit aorta. Fukuda S, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):756–62

L-tyrosine and adrenergic neuroeffector interaction in the canine saphenous vein. Boels PJ, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):155–6

The influence of physostigmine on sympathetic outflow and haemodynamics by an action upon the pontomedullary region of the cat. de Wildt DJ, et al. **Arch Int Pharmacodyn Ther** 1981 Sep;253(1):40–51

Effect of alinidine (St 567) on sympathetic and vagal activities. Pichler L. **Arch Int Pharmacodyn Ther** 1982 Jan; 255(1):162–7

Guanethidine after twenty years: a pharmacologist's perspective. Maxwell RA. **Br J Clin Pharmacol** 1982 Jan; 13(1):35–44

The effects of noradrenergic denervation on muscarinic receptors of smooth muscle. Bennett T, et al. **Br J Pharmacol** 1982 May;76(1):177–83

Sympathetic mechanisms in diet-induced thermogenesis: modification by ciclazindol and anorectic drugs. Rothwell NJ, et al. **Br J Pharmacol** 1981 Nov;74(3):539–46

The effects of intrathecal sympathomimetic agents on neural activity in the lumbar sympathetic chain of rats. LoPachin RM, et al. **Brain Res** 1981 Nov 9;224(1):195–8

Adrenergic responsiveness in prehypertensive subjects. Kotchen TA, et al. **Circulation** 1982 Feb;65(2):285–90

Contrasting effects of clonidine and 5-hydroxytryptophan on spinal sympathetic pathways. Madsen PW, et al. **Clin Exp Hypertens** 1981;3(6):1151–63

Effects of pergolide, a dopamine receptor agonist, and clonidine on cardiovascular responses evoked by activation of peripheral sympathetic outflow in rats. Cavero I. **Clin Exp Hypertens [A]** 1982;4(1–2):221–33

Impairment of neurally-mediated vasoconstriction in DOCA-salt hypertensive dogs. Hamed AT, et al. **Clin Exp Hypertens [A]** 1982;4(6):867–81

Alterations in noradrenergic function during clorgyline treatment. Pickar D, et al. **Commun Psychopharmacol** 1980; 4(5):379–86

Corticotropin-releasing factor: actions on the sympathetic nervous system and metabolism. Brown MR, et al. **Endocrinology** 1982 Sep;111(3):928–31

Effects of 2-deoxy-D-glucose on the cardiac sympathetic nerves and the adrenal medulla in the rat: further evidence for a dissociation of sympathetic nervous system and adrenal medullary responses. Rappaport EB, et al. **Endocrinology** 1982 Feb;110(2):650–6

Differential morphological changes in sympathetic nerve fibers elicited by lead, cadmium, and mercury. Björklund H, et al. **Environ Res** 1981 Oct;26(1):69–80

Dopaminergic inhibition of cardiac sympathetic nerve function by pergolide. Barrett RJ, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):79–83

Presynaptic inhibition of sympathetic neurotransmission by adenosine in the rat kidney. Ekas RD Jr, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):301–7

Differential sensitivity of four central sympathetic pathways to depression by clonidine. Franz DN, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):53–9

D-Amphetamine at low doses suppresses noradrenergic functions. Huang YH, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):187–95

Presynaptic dual inhibitory actions of guanabenz on adrenergic transmission. Misu Y, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):177–81

Effect of captopril on cardiovascular, sympathetic and vasopressin responses to hemorrhage. Zerbe RL, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):391–5

Influence of alcohol on peripheral neurotransmitter function. Pohorecky LA. **Fed Proc** 1982 Jun;41(8):2452–5 (44 ref.)

Sympathetic nervous system response to graded exercise: effect of beta-blockade. Barontini MB, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-155–9

A model for investigating the effect of drugs on the peripheral sympathetic nervous system in man. Glynn CJ, et al. **J Auton Nerv Syst** 1982 Mar;5(2):195–205

Structure-activity relations for presynaptic inhibition of noradrenergic and cholinergic transmission by adenosine: evidence for action on A1 receptors. Paton DM. **J Auton Pharmacol** 1981 Sep;1(4):287–90

gamma-Aminobutyric acid and postganglionic sympathetic transmission in the pulmonary artery of the rabbit. Starke K, et al. **J Auton Pharmacol** 1980 Nov;1(1):45–51

Effect of prostaglandin synthesis inhibition and sympathectomy on ouabain-induced arrhythmia in cats. Kelliher GJ, et al. **J Cardiovasc Pharmacol** 1981 Nov-Dec; 3(6):1278–86

Effects of captopril, an angiotensin-converting enzyme inhibitor, in normotensive sodium-replete volunteers. Shepherd AN, et al. **J Cardiovasc Pharmacol** 1982 May-Jun;4(3):381–7

The effects of cadmium ions on blood pressure, dopamine-beta-hydroxylase activity and on the responsiveness of in vivo preparations to sympathetic nerve stimulation, noradrenaline and tyramine. Fadloun Z, et al. **J Pharm Pharmacol** 1981 Oct;33(10):660–4

A pre-junctional action of 5-hydroxytryptamine and methysergide on noradrenergic nerves in dog isolated saphenous vein. Watts AD, et al. **J Pharm Pharmacol** 1981 Aug;33(8):515–20

Modulation of peripheral adrenergic neurotransmission by methionine-enkephalin. Gaddis RR, et al. **J Pharmacol Exp Ther** 1982 May;221(2):282–8

Presynaptic inhibition by dopamine receptor agonists of noradrenergic neurotransmission in the rabbit hypothalamus. Galzin AM, et al. **J Pharmacol Exp Ther** 1982 May;221(2):461–71

Effects of 4-aminopyridine on the adrenergic nerve terminals of rabbit arteries. Ikushima S, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):792–7

Augmentation by theophylline of [3H]purine release from vascular adrenergic nerves: evidence for presynaptic autoinhibition. Katsuragi T, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):152–6

Inhibition of phrenic and sympathetic vasomotor neurons in cats by the serotonin analog 5-methoxy-N,N-dimethyltryptamine. Lalley PM. **J Pharmacol Exp Ther** 1982 Jan;220(1):39–48

Modulation of the vasoconstrictor response to adrenergic stimulation by nucleosides and nucleotides. Lukacsko P, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):344–9

Impaired development of central and peripheral catecholamine neurotransmitter systems in preweanling rats treated with alpha-difluoromethylornithine, a specific irreversible inhibitor of ornithine decarboxylase. Slotkin TA, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):746–51

Sympathetic and pressor hyperresponsiveness to intracisternal injections of hypertonic NaCl in DOCA hypertensive rats. Takeda K, et al. **Jpn Circ J** 1981 Sep; 45(9):1126–9

Modulation of reflex sympathetic discharge by the cholinergic agonist oxotremorine and by clonidine. Baum T, et al. **Life Sci** 1981 Nov 23;29(21):2181–7

Corticotropin-releasing factor: effects on the sympathetic nervous system and oxygen consumption. Brown MR, et al. **Life Sci** 1982 Jan 11;30(2):207–10

Inhibitory effects of pergolide on peripheral adrenergic neurotransmission in spontaneously hypertensive rats. Hahn RA. **Life Sci** 1981 Dec 14;29(24):2501–9

Development of clonidine-tolerance in the rat vas deferens: cross tolerance to other presynaptic inhibitory agents. Ishii K, et al. **Life Sci** 1982 Jan 18;30(3):285–92

Prostacyclin infusion in hypertension: acute hemodynamic and hormonal effects [letter] Chaignon M, et al. **N Engl J Med** 1982 Aug 26;307(9):559

Intravenous beta-blockade in coronary heart disease: is cardioselectivity or intrinsic sympathomimetic activity hemodynamically useful? Taylor SH, et al. **N Engl J Med** 1982 Mar 18;306(11):631–5

Effects of beta-adrenoceptor antagonists on the firing rate of noradrenergic neurones in the locus coeruleus of the rat. Dahlöf C, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):26–30

In vitro studies on 6-fluoronoradrenaline at several peripheral sympathetic neuroeffector junctions. Shepperson NB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):1–4

Effect of adrenalectomy and sodium intake on sympathetic nervous function in the rat. Dailey JW, et al. **Neuropharmacology** 1981 Sep;20(9):877–81

A quantitative assessment of CNS sympatho-inhibition produced by psychotropic drugs. Koss MC. **Neuropharmacology** 1982 Jan;21(1):73–9

Inotropic effect of PGF2 alpha on isolated rat atria. Influence of adrenergic mechanisms. Canga L, et al. **Pharmacol Res Commun** 1981 Jun;13(6):559–70

Adrenergic pharmacology of aqueous humor dynamics. Potter DE. **Pharmacol Rev** 1981 Sep;33(3):133–53

Effects of L-dopa and L-tyrosine on adrenergic transmission in the canine saphenous vein. Muldoon SM, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):341–9

The effect of sulfinpyrazone on the response to sympathetic nervous system stimulation. Kelliher GJ, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):63–71

Influence of sympathotropic drugs on the acute toxicity of cystamine in non-irradiated and irradiated mice. Kuna P, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):527–32

Spinal sympathetic neurons: possible sites of opiate-withdrawal suppression by clonidine. Franz DN, et al. **Science** 1982 Mar 26;215(4540):1643–5

Substance P counteracts neurotoxin damage on norepinephrine neurons in rat brain during ontogeny. Jonsson G, et al. **Science** 1982 Jan 1;215(4528):75–7

[Antihypertensive agents acting on the nervous system. 3: peripheral action] Béroniade V. **Union Med Can** 1982 Jan; 111(1):49–54 (Eng. Abstr.) **(Fre)**

[The effect of enflurane anaesthesia and operation on the sympathoadrenal and adrenocortical system (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct; 30(10):493–6 (Eng. Abstr.) **(Ger)**

[Adrenergic cardiovascular responses during neuroleptanalgesia (author's transl)] Ehehalt V, et al. **Anaesthesist** 1982 Feb;31(2):77–81 (Eng. Abstr.) **(Ger)**

[Plethysmographic study on sympathetic block in peridural anaesthesia and peridural morphine analgesia (author's transl)] Zenz M, et al. **Anaesthesist** 1981 Oct;30(10):70–3 (Eng. Abstr.) **(Ger)**

[Effect of anapryline on the autonomic regulation of cardiovascular system and hemodynamic indices in men and women with hypertension] Veber VR, et al. **Ter Arkh** 1982;54(5):71–3 **(Rus)**

[Effects of antiarrhythmia agents and sympathetic regulation of the heart] Kaverina NV, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):23–8 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Sex differences in lung and adrenal neurosympathetic development in rabbits. Padbury JF, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):199–204

Transmitter phenotypic expression in the embryo. Black IB, et al. **Ciba Found Symp** 198u Oct;(83):177–93

Development of the intrinsic innervation of the gut. Cochard P, et al. **Scand J Gastroenterol [Suppl]** 1982;71:1–14

[Formation of the ultrastructure and adrenergic innervation of magistral vessel walls in chicken ontogenesis] Govyrin VA, et al. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):39–51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Increased dopamine in the failing hamster heart: transvesicular transport of dopamine limits the rate of norepinephrine synthesis. Sole MJ, et al. **Am J Cardiol** 1982 May;49(7):1682–90

GROWTH & DEVELOPMENT

Developmental influences on vascular structure and function. Bevan JA, et al. **Ciba Found Symp** 1980 Oct;(83):94–107

Maturation of sympathetic neurotransmission in the rat heart. VIII. Slowed development of noradrenergic synapses resulting from hypothyroidism. Lau C, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):629–36

Growth of sympathetic postganglionic axons after partial chemical destruction with guanethidine. Rodionov IM, et al. **Pflugers Arch** 1981 Dec;392(2):206–9

IMMUNOLOGY

Sympathetic immunoregulation: difference between high- and low-responder animals. del Rey A, et al. **Am J Physiol** 1982 Jan;242(1):R30–3

Immunoregulation mediated by the sympathetic nervous system, II. del Rey A, et al. **Cell Immunol** 1981 Sep 15; 63(2):329–34

INJURIES

Functional anatomy of the cervical sympathetic trunk [letter] Vandam LD. **Anesthesiology** 1982 Aug;57(2):139–40

METABOLISM

Fate of [3H]amezinium in sympathetically innervated rabbit tissues. Steppeler A, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1075–80

Hyperkinetic heart syndrome: the role of the sympathetic nervous system. Hörtnagl H, et al. **Cardiology** 1982; 69(2):74–83

Possible selective inhibition of [3H]adenosine uptake by papaverine in vascular adrenergic nerves. Katsuragi T, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):111–5

Biochemical quantification of sympathetic nervous activity in humans using radiotracer methodology: fallibility of plasma noradrenaline measurements. Esler M, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S152–7

Dual expression of neurotransmitter synthesis in cultured autonomic neurons. Iacovitti L, et al. **J Neurosci** 1981 Jul; 1(7):685–90

Disulfide bond reduction inhibits norepinephrine accumulation in postganglionic sympathetic nerve endings. Simpson LL. **J Pharmacol Exp Ther** 1982 Aug; 222(2):419–23

Epinephrine as a tool to investigate the question of recycling of sympathetic storage vesicles in the heart: chemical and morphological studies. Wakade AR, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):820–7

Initiation, duration and dissipation of diet-induced changes in sympathetic nervous system activity in the rat. Rappaport EB, et al. **Metabolism** 1982 Feb;31(2):143–6

Identification of neural and adrenal medullary surface membrane glycoproteins recognized by antisera to cultured rat sympathetic neurons and PC12 pheochromocytoma cells. Lee VM, et al. **Neuroscience** 1981;6(12):2773–86

Noradrenergic and serotonergic fibers innervate complementary layers in monkey primary visual cortex: an immunohistochemical study. Morrison JH, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2401–5

[Hypermetabolism in head injury and tetanus: patho-physiological and new therapeutic conceptions] Hörtnagl H, et al. **Infusionsther Klin Ernahr** 1980 Dec; 7(6):312–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cold injury of the rat skin. A fluorescence histochemical study of adrenergic nerves, mast cells and patency of cutaneous blood vessels. Waris T, et al. **Scand J Plast Reconstr Surg** 1982;16(1):1–9

[Possible alteration of adrenergic neurons in the mesolimbic system of psychotics (author's transl)] Kopp N, et al. **Ann Pathol** 1981;1(4):308–10 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Adrenergic and peptidergic neuromuscular mechanisms in the human Fallopian tube, with special regard to cyclic influences. Helm G. **Acta Obstet Gynecol Scand [Suppl]** 1981;104:1–23

Cerebral circulation in acute arterial hypertension--protective effects of sympathetic nervous activity. Beausang-Linder M, et al. **Acta Physiol Scand** 1981 Feb;111(2):193–9

Nervous control of pancreatic endocrine secretion in pigs. V. Influence of the sympathetic nervous system on the pancreatic secretion of insulin and glucagon, and on the insulin and glucagon response to vagal stimulation. Holst JJ, et al. **Acta Physiol Scand** 1981;113(3):279–83

Degeneration release of noradrenaline in skin flaps in rats. Jurell G, et al. **Acta Physiol Scand** 1981;113(3):285–9

Sympathetic activity in muscle nerves--a factor influencing the postural heart rate increase? Lindblad LE, et al. **Acta Physiol Scand** 1981 Apr;111(4):509–10

Complementary role of vasoactive intestinal polypeptide (VIP) and acetylcholine for cat submandibular gland blood flow and secretion. I. VIP release. Lundberg JM, et al. **Acta Physiol Scand** 1981;113(3):317–27

Secretory potentials in the submaxillary gland of the cat. Thesleff P. **Acta Physiol Scand** 1981 Mar;111(3):281–6

Studies on beta-adrenoceptor mediated facilitation of sympathetic neurotransmission. Dahlöf C. **Acta Physiol Scand [Suppl]** 1981;500:1–147

Interstitial cells of Cajal: intestinal pacemaker cells? Thuneberg L. **Adv Anat Embryol Cell Biol** 1982;71:1–130

Effects of guanethidine-induced sympathectomy on morphology of the pre- and postclosure ileum of the neonatal rat. McKenzie JC, et al. **Am J Anat** 1982 Jun; 164(2):175–86

Effects of nutritional status on autonomic nervous system function. Landsberg L, et al. **Am J Clin Nutr** 1982 May; 35(5 Suppl):1234–40

Sympathoadrenal activity in infants of diabetic mothers. Artal R, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):436–9

Sympathetic nerve discharge in chronic spinal cat. Ardell JL, et al. **Am J Physiol** 1982 Sep;243(3):H463–70

Starvation suppresses sympathoadrenal medullary response to cold exposure in rats. Avakian EV, et al. **Am J Physiol** 1981 Oct;241(4):E316–20

Hypothalamic neurons with activity patterns related to sympathetic nerve discharge. Barman SM, et al. **Am J Physiol** 1982 Jan;242(1):R34–43

Responses to activation of cardiac sympathetic afferents with epicardial bradykinin. Felder RB, et al. **Am J Physiol** 1982 Feb;242(2):H148–53

Sympathetic activity in thyroid-treated Zucker rats. Levin BE, et al. **Am J Physiol** 1982 Jul;243(1):R170–8

Excitation of cardiac sympathetic afferent nerves: effects on renal function. Meckler RL, et al. **Am J Physiol** 1981 Nov; 241(5):R267–70

Impairment of trophic response of brown fat to cold in guanethidine-treated rats. Mory G, et al. **Am J Physiol** 1982 Mar;242(3):C159–65

Efficacy of sympathetic influences as related to initial vascular tonicity. Rodionov IM, et al. **Am J Physiol** 1981 Nov;241(5):H691–9

Changes in vagal phasic chronotropic responses with sympathetic stimulation in the dog. Stuesse SL, et al. **Am J Physiol** 1981 Dec;241(6):H850–6

Bradykinin effects on adrenergic transmission in the canine kidney: relation to prostaglandins. Sušić H, et al. **Am J Physiol** 1981 Sep;241(3):R146–51

Sympathetic transients caused by abrupt alterations or carotid baroreceptor activity in humans. Wallin BG, et al. **Am J Physiol** 1982 Feb;242(2):H185–90

Sympathetic supraspinal control of venous membrane potential in spontaneous hypertension in vivo. Willems WJ, et al. **Am J Physiol** 1982 Sep;243(3):C101–6

Reflex sympathetic augmentation of left-ventricular inotropic state in the conscious dog. Yoran C, et al. **Am J Physiol** 1981 Dec;241(6):H857–63

Trophic effect of the sympathetic nervous system on the early development of the rat parotid gland: a quantitative ultrastructural study. Bloom GD, et al. **Anat Rec** 1981 Dec; 201(4):645–54

Sympathetic control of renin release. Torretti J. **Annu Rev Pharmacol Toxicol** 1982;22:167–92 (204 ref.)

The influence of chemical sympathectomy on oxygen uptake during development of rat brain cortical tissue. Andjelković D. **Arch Int Physiol Biochim** 1982 Apr;90(1):49–54

The effects of sympathetic trunk stimulation on the position and mobility of the canine tooth of the cat. Aars H, et al. **Arch Oral Biol** 1982;27(5):399–404

Effects of demand for performance, self-monitoring of arousal, and increased sympathetic nervous system activity on male erectile response. Lange JD, et al. **Arch Sex Behav** 1981 Oct;10(5):443–64

Neurogenic and myogenic control of conduit coronary a.: a possible interference. Gerová M, et al. **Basic Res Cardiol** 1981 Sep-Oct;76(5):503–7

The peripheral sympathetic nervous system in rats strains selectively bred for differences in response to stress. Blizard DA, et al. **Behav Neural Biol** 1982 Mar;34(3):319–25

Sympathetic control of brown adipose tissue in the regulation of body weight. Stock MJ, et al. **Biochem Soc Trans** 1981

Dec;9(6):525-7

Influence of intrinsic sympathomimetic activity of beta-adrenoceptor blockers on the heart rate and blood pressure responses to graded exercise. Jennings G, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):355-62

Comparative studies of (—)-, (+/-)-propranolol, atenolol, guanethidine, bretylium and tetracaine on adrenergic transmission. Kaiho M, et al. **Br J Pharmacol** 1981 Oct; 74(2):365-70

Hypothalamic sites for cardiovascular and sympathetic modulation by prostaglandin E2. Feuerstein G, et al. **Brain Res** 1982 Jan 14;231(2):335-42

Role of the renin-angiotensin and of the adrenergic system in the blood pressure regulation at exercise in normotensive subjects and in hypertensive patients. Amery A, et al. **Cardiology** 1981;68(2):103-17

New approaches to regulation of fluid secretion in airways. Nadel JA. **Chest** 1981 Dec;80(6 Suppl):849-51

Growth and development of sympathetic neurons in tissue culture. Johnson MI, et al. **Ciba Found Symp** 1980 Oct; (83):108-22

Responsiveness to cardiac sympathetic nerve stimulation during maximal coronary dilation produced by adenosine. Johannsen UJ, et al. **Circ Res** 1982 Apr;50(4):510-7

A positive feedback sympathetic pressor reflex during stretch of the thoracic aorta in conscious dogs. Pagani M, et al. **Circ Res** 1982 Jan;50(1):125-32

Evidence against an interaction of angiotensin II with the sympathetic nervous system in man. Nicholls MG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):423-30

Strain differences in the facilitatory action of angiotensin on noradrenergic transmission in the rat mesentery. Eikenburg DC, et al. **Clin Exp Hypertens** 1981;3(5):1039-51

Inter-relationship of sympathetic nervous system and renin-angiotensin-aldosterone system in three renin subgroups of borderline and persistent essential hypertension. Mikami K, et al. **Clin Exp Hypertens** 1981; 3(6):1091-107

Possible mechanisms of sodium-dependent hypertension: volume expansion or vasoconstriction? Gavras H. **Clin Exp Hypertens [A]** 1982;4(4-5):737-49

Decrease in sympathetic nervous system activity and attenuation in response to stress following renal denervation in the one-kidney one-clip Goldblatt hypertensive rat. Katholi RE, et al. **Clin Exp Hypertens [A]** 1982;4(4-5):707-16

The role of the sympathetic nervous system in the modulation of sodium excretion. Weinberger MH, et al. **Clin Exp Hypertens [A]** 1982;4(4-5):719-35

Sodium-neural interactions in the development of spontaneous hypertension. Winternitz SR, et al. **Clin Exp Hypertens [A]** 1982;4(4-5):751-60

Assessment of sympathetic nervous function in humans from noradrenaline plasma kinetics. Esler M. **Clin Sci** 1982 Mar; 62(3):247-54 (39 ref.)

Functional interaction between angiotensin and sympathetic reflexes in cats. Hatton R, et al. **Clin Sci** 1982 Jan;62(1):51-6

Pharmacological evidence for adrenergic activation of hyperthermic responses associated with psychosocial stimulation. Andrews RV. **Comp Biochem Physiol [C]** 1982; 71C(1):111-4

Effects of selective inhibition of type A and type B monoamine oxidase on intraocular pressure in the cat and the rabbit. Colasanti BK, et al. **Curr Eye Res** 1981-82; 1(9):501-6

Effects of handling during infancy on the sympathetic-adrenal medullary system of rats. McCarty R, et al. **Dev Psychobiol** 1981 Dec;14(6):533-9

Adrenergic modulation of gastric inhibitory polypeptide secretion in man. Salera M, et al. **Dig Dis Sci** 1982 Sep; 27(9):794-800

Direct control of glycogen metabolism in the perfused rat liver by the sympathetic innervation. Hartmann H, et al. **Eur J Biochem** 1982 Apr;123(3):521-6

Lack of adrenergic influence on renin release after furosemide in normal man. Elmgreen J, et al. **Eur J Clin Pharmacol** 1981;20(5):339-42

Modulation by prostaglandins of the release of [3H] noradrenaline evoked by potassium and nerve stimulation in the isolated rat heart. Khan MT, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):213-8

Dopamine beta-hydroxylase activity in the aqueous humour: effects of cervical sympathetic stimulation and reserpine. Gual A, et al. **Exp Eye Res** 1982 May;34(5):789-96

Target regulation of sympathetic sprouting in the rat hippocampal formation. Crutcher KA, et al. **Exp Neurol** 1982 Feb;75(2):347-59

Cholinergic denervation of rat neocortex results in sympathetic innervation. Crutcher KA. **Exp Neurol** 1981 Oct;74(1):324-9

Intracerebroventricular angiotensin II increases arterial blood pressure in rhesus monkeys by stimulation of pituitary hormones and the sympathetic nervous system. Schölkens BA, et al. **Experientia** 1982 Apr 15;38(4):469-70

Palmar skin potential reflex and serum dopamine-beta-hydroxylase activity of the aged. Nomura S, et al. **Folia Psychiatr Neurol Jpn** 1981;35(1):3-9

Adrenergic regulation of distention-induced gastrin release in humans. Peters MN, et al. **Gastroenterology** 1982 Apr; 82(4):659-63

Sources of calcium mobilized by alpha-adrenergic stimulation in perfused rat liver. Kimura S, et al. **Horm Metab Res** 1982 Mar;14(3):133-8

Altered neural control of cardiovascular function in sodium-depleted dogs. Takishita S, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):175-82

Influence of the adrenergic nervous system on the lower urinary tract and its clinical implications. Norlén L, et al. **Int Rehabil Med** 1982;4(1):37-43

Nonpurinergic nature and efficacy of nonadrenergic bronchodilation. Irvin CG, et al. **J Appl Physiol** 1982 Mar; 52(3):562-9

Sympathetic and parasympathetic cardiac control in athletes and nonathletes at rest. Katona PG, et al. **J Appl Physiol** 1982 Jun;52(6):1652-7

The somato-adrenal medullary reflexes in rats. Araki T, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):161-70

Problems associated with the identification of brain stem neurons responsible for sympathetic nerve discharge. Barman SM, et al. **J Auton Nerv Syst** 1981 Apr; 3(2-4):369-77

Tonic catecholaminergic inhibition of the spinal somato-sympathetic reflexes originating in the ventrolateral medulla oblongata. Dembowsky K, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):277-90

Brain stem neurons governing the discharges of sympathetic nerves. Gebber GL, et al. **J Auton Nerv Syst** 1982 Jan; 5(1):55-61

Sympathetic rhythms in spinal cats. Gootman PM, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):379-87

Role of carotid and central chemoreceptors in the CO2 response of sympathetic preganglionic neurons. Hanna BD, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):421-35

Organization of the sympathetic innervation supplying the hairless skin of the cat's paw. Jänig W, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):215-30

Neurophysiological background of central neural cardiovascular-respiratory coordination: basic remarks and experimental approach. Koepchen HP, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):335-68

Control of reciprocal and non-reciprocal action of vagal and sympathetic efferents: study of centrally induced reactions. Koizumi K, et al. **J Auton Nerv Syst** 1981 Apr; 3(2-4):483-501

Cardiovascular reflexes and interrelationships between sympathetic and parasympathetic activity. Kollai M, et al. **J Auton Nerv Syst** 1981 Jul;4(2):135-48

Ascending spinal pathways mediating somato-cardiovascular reflexes. Kozelka JW, et al. **J Auton Nerv Syst** 1981 Apr; 3(2-4):171-5

Central control and interactions affecting sympathetic and parasympathetic activity. Langhorst P, et al. **J Auton Nerv Syst** 1981 Jul;4(2):149-63

Gastric and pyloric motor response to sympathetic nerve stimulation after chemical sympathectomy. Lerman SH, et al. **J Auton Nerv Syst** 1981 Sep;4(3):207-15

Descending pathways to sympathetic and parasympathetic preganglionic neurons. Loewy AD. **J Auton Nerv Syst** 1981 Apr;3(2-4):265-75

Functions of afferents in cardiovascular sympathetic nerves. Malliani A, et al. **J Auton Nerv Syst** 1981 Apr;3(2-4):231-6

Stabilization of the discharge rate of sympathetic preganglionic neurons. Polosa C, et al. **J Auton Nerv Syst** 1982 Jan;5(1):45-54

Heart rate changes reflecting modifications of efferent cardiac sympathetic outflow by cutaneous and muscle afferent volleys. Sato A, et al. **J Auton Nerv Syst** 1981 Sep;4(3):231-47

Some remarks on the history of research on sympathetic nerve action potentials: research at Heidelberg. Schaefer H. **J Auton Nerv Syst** 1981 Apr;3(2-4):123-31

Is the central inspiratory activity responsible for pCO2-dependent drive of the sympathetic discharge? Trzebski A, et al. **J Auton Nerv Syst** 1981 Apr; 3(2-4):401-20

Cardiac sympathetic afferent influences on renal nerve activity. Weaver LC. **J Auton Nerv Syst** 1981 Apr; 3(2-4):253-63

Modification of the vasomotor actions of methysergide in the femoral arterial bed of the anaesthetized dog by changes in sympathetic nerve activity. Feniuk W, et al. **J Auton Pharmacol** 1981 Mar;1(2):127-32

Sympathetic control of the cerebral circulation. McCalden TA. **J Auton Pharmacol** 1981 Dec;1(5):421-31 (89 ref.)

Prejunctional alpha-adrenoreceptors subserve a physiological role in cardiac noradrenergic transmission. McCulloch MW, et al. **J Auton Pharmacol** 1981 Dec; 1(5):407-12

Histamine modulation of neurotransmission in the sympathetic nervous system. Marshall I. **J Auton Pharmacol** 1981 Jun;1(3):235-50 (115 ref.)

Involvement of central noradrenergic mechanisms in the rebound hypertension following clonidine withdrawal. Augustine SJ, et al. **J Cardiovasc Pharmacol** 1982 May-Jun; 4(3):449-55

Captopril interferes with neurogenic vasoconstriction in the pithed rat by angiotensin-dependent mechanisms. Hatton R, et al. **J Cardiovasc Pharmacol** 1982;4(1):116-23

Segmental variation of adrenergic innervation in rabbit mesenteric vasculature. Hejtmancik M Jr, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):1141-51

Role of the adrenergic nerve terminal in digitalis-induced cardiac toxicity: a study of the effects of pharmacological and surgical denervation. Lathers CM, et al. **J Cardiovasc Pharmacol** 1982;4(1):91-8

Vagal and sympathetic contributions to the heart rate at rest and during isometric and dynamic exercise in young healthy men. Nyberg G. **J Cardiovasc Pharmacol** 1981 Nov-Dec;3(6):1243-50

Pial artery diameter and blood flow velocity during sympathetic stimulation in cats. Busija DW, et al. **J Cereb Blood Flow Metab** 1982 Sep;2(3):363-7

Effect of diet and cold exposure on norepinephrine turnover in brown adipose tissue of the rat. Young JB, et al. **J Clin Invest** 1982 May;69(5):1061-71

Electrocardiographic changes induced by the stellate ganglion block in normal subjects. Kashima T, et al. **J Electrocardiol** 1981;14(2):169-74

The regeneration of the sympathetic catecholaminergic nerve fibers in the process of burn wound healing in guinea pigs. Kishimoto S, et al. **J Invest Dermatol** 1982 Sep;79(3):141-6

Noradrenaline and dopamine-beta-hydroxylase levels in rat salivary glands after preganglionic nerve stimulation: evidence for re-use of amine storage granules in transmitter release. Häggendal J. **J Neural Transm** 1982;53(2-3):147-58

Sympathetic regulation of circadian rhythm of serotonin N-acetyltransferase activity in pineal gland of infant rat. Deguchi T. **J Neurochem** 1982 Mar;38(3):797-802

Binding, internalization, and retrograde transport of 125I-nerve growth factor in cultured rat sympathetic neurons. Claude P, et al. **J Neurosci** 1982 Apr;2(4):431-42

Inhibition of sympathetic preganglionic neurons by catecholamines and clonidine: mediation by an alpha-adrenergic receptor. Guyenet PG, et al. **J Neurosci** 1981 Aug;1(8):908-17

Termination of responses to sympathetic nerve stimulation and to noradrenaline in a perfused arterial preparation: the role of neuronal and extraneuronal uptake. Chan CC, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):731-40

Postjunctional supersensitivity in young rat heart produced by immunological and chemical sympathectomy. Ishii K, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):209-15

Effects of chemical sympathectomy on the increases in plasma catecholamines and dopamine-beta-hydroxylase induced by forced immobilization and insulin-induced hypoglycemia: origin and fate of plasma dopamine-beta-hydroxylase. Israel AS, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):577-83

Involvement of serotonin in the central regulation of blood pressure: evidence for a facilitating effect on sympathetic nerve activity. McCall RB, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):94-102

Adrenergic control of immunoreactive beta-endorphin release from the pituitary of the rat: in vitro and in vivo studies. Pettibone DJ, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):103-8

The effects of stimulation of autonomic nerves on carotid body blood flow in the cat. Acker H, et al. **J Physiol (Lond)** 1981 Jun;315:99-110

The release of adenosine and inosine from canine subcutaneous adipose tissue by nerve stimulation and noradrenaline. Fredholm BB, et al. **J Physiol (Lond)** 1981; 313:351-67

Interaction between perfusion pressure and sympathetic nerves in renin release by carotid baroreflex in conscious dogs. Gross R, et al. **J Physiol (Lond)** 1981;313:237-50

Responses of carotid body chemosensory activity and blood flow to stimulation of sympathetic nerves in the cat. O'Regan RG. **J Physiol (Lond)** 1981 Jun;315:81-98

Sympathetically induced changes in the responses of guard hair and type II receptors in the cat. Pierce JP, et al. **J Physiol (Lond)** 1981 May;314:411-28

Evidence for direct neural control of ovarian steroidogenesis in rats. Weiss GK, et al. **J Reprod Fertil** 1982 Jul; 65(2):507-11

The role of the adrenal gland and sympathetic nervous system in pregnancy. Zuspan FP, et al. **J Reprod Med** 1981 Sep; 26(9):483-91 (16 ref.)

A comparative study of changes in innervation and development of supersensitivity in the rat vas deferens after various procedures. Saito A, et al. **Jpn J Pharmacol** 1982 Feb;32(1):169-79

Exercise-induced glycogenolysis in sympathectomized rats. Hashimoto I, et al. **Jpn J Physiol** 1982;32(2):153-60

Protein production and release by dispersed rat submandibular gland cells in vitro after adrenergic stimulation. Baum BJ, et al. **Life Sci** 1981 Sep 14; 29(11):1143-51

Noradrenergic inhibitory innervation of the lung. Richardson JB. **Lung** 1981;159(6):315-22 (64 ref.)

Adrenergic modulation of pancreatic somatostatin, insulin, and glucagon secretion: evidence for differential sensitivity of islet A, B, and D cells. Itoh M, et al. **Metabolism** 1982 Jul;31(7):715-20

Structure and function of the adrenergic nerves in the canine pulmonary vascular bed. Kadowitz PJ, et al. **Methods Find Exp Clin Pharmacol** 1981 Nov-Dec; 3(6):347-59

Intracellular Ca2+ activates a fast voltage-sensitive K+ current in vertebrate sympathetic neurones. Adams PR, et al. **Nature** 1982 Apr 22;296(5859):746-9

Sympathetic Nerve Stimulation on the perfused rat heart. Affinities of N-methylatropine and pirenzepine at pre- and postsynaptic muscarine receptors. Fuder H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):210-9

Nicotine receptors do not modulate the 3H-noradrenaline release from the isolated rat heart evoked by sympathetic nerve stimulation. Fuder H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):301-7

Resistance of adrenergic neurotransmission in the toad heart to adrenoceptor blockade. Morris JL, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):331-8

Antidromic activation of sensory afferent fibres in sympathetic nerves of the cat by stimulation of collaterals within the dorsal medulla oblongata. Dembrowsky K, et al. **Neurosci Lett** 1982 Apr 26;29(3):249-54

Two types of dopaminergic nerve terminals in the rat neostriatum. An ultrastructural study. Kaiya H, et al. **Neurosci Lett** 1981 Sep 25;25(3):251-6

Adrenaline neurons in the rostral ventrolateral medulla innervate thoracic spinal cord: a combined immunocytochemical and retrograde transport demonstration. Ross CA, et al. **Neurosci Lett** 1981 Sep 25; 25(3):257-62

Origins of spinal noradrenergic pathways demonstrated by retrograde transport of antibody to dopamine-beta-hydroxylase. Westlund KN, et al. **Neurosci Lett** 1981 Sep 25;25(3):243-9

Functional significance of coactivation of vagal and sympathetic cardiac nerves. Koizumi K, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2116-20

Substance P-immunoreactive peripheral branches of sensory neurons innervate guinea pig sympathetic neurons. Matthews MR, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1668-72

Neural and metabolic control of blood flow to respiratory muscles of rabbits. DeHaan SJ, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):485-92

Release of prostaglandins I2 and E2 from the perfused mesenteric arterial bed of normotensive and hypertensive rats. Effects of sympathetic nerve stimulation and norepinephrine administration. Pipili E, et al. **Prostaglandins** 1982 Apr;23(4):543-9

Sympathetic skin nerve discharges in relation to amplitude of skin resistance responses. Lidberg L, et al. **Psychophysiology** 1981 May;18(3):268-70

The response in efferent cardiac sympathetic nerves to stimulation of atrial receptors, carotid sinus baroreceptors and carotid chemoreceptors. Linden RJ, et al. **Q J Exp Physiol** 1982 Jan;67(1):151-63

The nature of the atrial receptors responsible for a reflex increase in activity in efferent cardiac sympathetic nerves. Linden RJ, et al. **Q J Exp Physiol** 1982 Jan;67(1):143-9

Influence of monoaminergic nuclei in lower medulla and their neurotransmitters on the activity of nociceptive units in sp.nal cord. Xie YK, et al. **Sci Sin** 1981 Oct;24(10):1455-64

alpha 2-adrenoceptor-mediated hyperpolarization of locus coeruleus neurons: intracellular studies in vivo. Aghajanian GK, et al. **Science** 1982 Mar 12;215(4538):1394-6

Hypotensive effect of fasting: possible involvement of the sympathetic nervous system and endogenous opiates. Einhorn D, et al. **Science** 1982 Aug 20;217(4561):727-9

Reduced sympathetic nervous system responsivity associated with the relaxation response. Hoffman JW, et al. **Science** 1982 Jan 8;215(4529):190-2

Central noradrenergic pathways for the integration of hypothalamic neuroendocrine and autonomic responses. Sawchenko PE, et al. **Science** 1981 Nov 6;214(4521):685-7

Reaction of pial arteries and veins to sympathetic stimulation in the cat. Auer LM, et al. **Stroke** 1981 Jul-Aug; 12(4):528-31

Evidence for adrenergic transmission in the circular smooth muscle of the guinea-pig seminal vesicle. Ohkawa H. **Tohoku J Exp Med** 1981 Jun;134(2):141-58

[Variation of sympathetic activity and prostaglandin E level under acupuncture anesthesia (author's transl)] Zhang XZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec;2(4):259-62 (Eng. Abstr.) **(Chi)**

[The role of noradrenergic neurons in morphine analgesia (author's transl)] Zou G, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):85-8 (Eng. Abstr.) **(Chi)**

[Sympathetic control of thyroid gland (author's transl)] Kong DJ. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):301-4, 336 **(Chi)**

[Sympathetic activity and blood pressure in normotensive and hypertensive patients undergoing ophthalmic surgery under electrostimulation anaesthesia (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 Oct;30(10):497-9 (Eng. Abstr.) **(Ger)**

[Can determination of catecholamines in the blood reflect slight changes in sympathetic activity?] Ferrari A, et al. **Boll Soc Ital Cardiol** 1980;25(11):1265-9 **(Ita)**

[Role of the sympathetic nervous system in repolarization changes] Morace G, et al. **Recenti Prog Med** 1981 Nov; 71(5):532-40 (46 ref.) (Eng. Abstr.) **(Ita)**

[Effects of electrical stimulation of the ventral noradrenergic bundle on the lateral hypothalamic area in the rat (author's transl)] Miyahara S. **Fukuoka Igaku Zasshi** 1981 Jun; 72(6):311-21 (Eng. Abstr.) **(Jpn)**

[The effect of ouabain on the automaticity of the A-V junctional area with reference to sympathetic nervous system (author's transl)] Yano K, et al. **Kokyu To Junkan** 1981 Jul;29(7):707-11 **(Jpn)**

[Effects of sympathetic nerve stimulation, intracoronary infused catecholamine, and atrial pacing to the cardiac function, cardiac metabolism and artero-coronary sinus difference of catecholamine (author's transl)] Yoshida S, et al. **Kokyu To Junkan** 1981 Jul;29(7):717-21 **(Jpn)**

[Sympathetic activities observed through venous reactions in an arm under the tourniquet application (author's transl)] Kano T, et al. **Masui** 1981 May;30(5):466-71 (Eng. Abstr.) **(Jpn)**

[Sympathetic innervation of the site of the aqueous secretion and outflow of the Japanese monkey (Macacus fuscatus); fluorescent histochemistry and electron microscopy (author's transl)] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1339-49 (Eng. Abstr.) **(Jpn)**

[Modulation by endogenous opioid peptides of non-adrenergic neurotransmission in the guinea-pig taenia coli (author's transl)] Ishii T. **Nippon Yakurigaku Zasshi** 1981 Oct;78(4):335-46 (Eng. Abstr.) **(Jpn)**

[Heart rate regulation during depressor reflexes] Dugin SF, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):387-9 (Eng. Abstr.) **(Rus)**

[Dynamics of the change in the prostaglandin content of brain tissue in upper cervical sympathectomy and circulatory hypoxia] Govorova LV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):3-6 (Eng. Abstr.) **(Rus)**

[Morphofunctional characteristics of the myocardium in chronically sympathectomized rats] Rodionov IM, et al. **Biull Eksp Biol Med** 1982 May;93(5):34-7 (Eng. Abstr.) **(Rus)**

[Changes in catecholamine excretion in adolescents at high altitudes] Nagnibeda NN, et al. **Fiziol Zh** 1982 Jan-Feb; 28(1):91-2 **(Rus)**

[Spontaneous and evoked contractile activity of vascular smooth muscle at different perfusate temperatures] Solov'ev AI. **Fiziol Zh** 1981 Sep-Oct;27(5):650-3 (Eng. Abstr.) **(Rus)**

[Sympathetic tonus of the cerebral vessels] Balueva TV, et al. **Fiziol Zh SSSR** 1982 May;68(5):596-600 (Eng. Abstr.) **(Rus)**

[Changes in plasma composition resulting in an increase in the osmotic pressure of venous blood during the cholinergic dilatation effect] Berdina NA, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1647-51 (Eng. Abstr.) **(Rus)**

[Mechanism of changes in blood volume in a lobe of the lung upon stimulation of the vagosympathetic trunk] Kuz'minykh LP, et al. **Fiziol Zh SSSR** 1982 Mar; 68(3):399-404 **(Rus)**

[Circulatory features of 'chemically' desympathized rats] Rodionov IM, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1040-6 (Eng. Abstr.) **(Rus)**

[Functional heterogeneity of neurons of the enteric (enterometasympathetic) division of the autonomic nervous system] Tikhomirov OI, et al. **Fiziol Zh SSSR** 1981 Aug; 67(8):1189-93 (Eng. Abstr.) **(Rus)**

[Physiologic mechanisms of the development of profound states of artificial hypobiosis] Timofeev NN, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1014-20 (Eng. Abstr.) **(Rus)**

[Sympathetic-adrenal system status of cosmonauts completing 7-day flights] Davydova NA, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):88-91 **(Rus)**

[Routes of transmission of sympatho-activating stimulation to the spinal cord] Baklavadzhian OG, et al. **Neirofiziologiia** 1982;14(3):307-14 (Eng. Abstr.) **(Rus)**

[Effect of the extracardiac nerves on systolic phase structure and cardiac lipid metabolism in dogs] Gereliuk IP. **Patol Fiziol Eksp Ter** 1981;(6):72-6 (Eng. Abstr.) **(Rus)**

[Changes in the cholesterol metabolism of rats following sympathetic and parasympathetic denervation of the liver] Shanygina KI, et al. **Vopr Med Khim** 1981;27(4):505-9 (Eng. Abstr.) **(Rus)**

[Ureteral response, through adrenergic stimulation, to the action of progesterone and estradiol] García Sacristán A, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):129-32 **(Spa)**

PHYSIOPATHOLOGY

Sympathetic activity in labile essential hypertension in young men. Part I. Plasma catecholamines after orthostatic and emotional stress test. Přikryl P, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):29-30

Symphathetic activity in labile essential hypertension in young men. Part II. Influence of exercise on plasma catecholamines. Ryšánek K, et al. **Act Nerv Super (Praha)** 1982 Mar;24(1):30-1

Sympathetic neuroeffector transmission to pulmonary vascular smooth muscle in porcine superior mesenteric arterial occlusion (SMAO) shock. Greenberg S, et al. **Adv Shock Res** 1980;4:173-99

Response of plasma norepinephrine and epinephrine to dynamic exercise in patients with congestive heart failure. Francis GS, et al. **Am J Cardiol** 1982 Apr 1;49(5):1152-6

Plasma norepinephrine as an indicator of sympathetic neural activity in clinical cardiology. Goldstein DS. **Am J Cardiol** 1981 Dec;48(6):1147-74

Activity of the sympathetic nervous system and renin-angiotensin system assessed by plasma hormone levels and their relation to hemodynamic abnormalities in congestive heart failure. Levine TB, et al. **Am J Cardiol** 1982 May;49(7):1659-66

Sympathetic responsiveness and plasma norepinephrine during therapy of chronic congestive heart failure with captopril. Cody RJ, et al. **Am J Med** 1982 May;72(5):791-7

Postural tachycardia syndrome. Reversal of sympathetic hyperresponsiveness and clinical improvement during sodium loading. Rosen SG, et al. **Am J Med** 1982 May; 72(5):847-50

Sympathetic nerve function and vascular reactivity in spontaneously hypertensive rats. Ekas RD Jr, et al. **Am J Physiol** 1981 Nov;241(5):R379-84

Sympathetic and vascular dysfunction in early experimental juvenile diabetes mellitus. Mueller SM, et al. **Am J Physiol** 1982 Aug;243(2):H139-44

Selective sympathetic neural changes in hypertrophied right ventricle. Schmid PG, et al. **Am J Physiol** 1982 Aug; 243(2):H175-80

Pericoronary nerve mediates inhibitory sympathetic response to coronary occlusion. Suehiro S, et al. **Am J Physiol** 1982 Aug;243(2):H170-4

Mechanisms of neurogenic pulmonary edema. Minnear FL, et al. **Ann NY Acad Sci** 1982;384:169-90

Transdermal transcutaneous electric nerve stimulation for pain: the search for an optimal waveform. Jenkner FL, et al. **Appl Neurophysiol** 1981;44(5-6):330-7

Effects of cloxazolam and pindolol on the sympathetic and adrenal stress reaction during oral surgery in man. Brisse B, et al. **Arzneimittelforsch** 1981;31(11):1958-62

Sympathetic activation of brown-adipose-tissue thermogenesis in cachexia. Brooks SL, et al. **Biosci Rep** 1981 Jun;1(6):509-17

Sympathoadrenal and cardiovascular responses to mental stress, isometric handgrip, and cold pressor test in asymptomatic young men with primary T wave abnormalities in the electrocardiogram. Atterhög JH, et al. **Br Heart J** 1981 Sep;46(3):311-9

Role of sympathetic nervous system in non-ischaemic ventricular arrhythmias. Coumel P, et al. **Br Heart J** 1982 Feb;47(2):137-47

Hypercapnia and hypoxia: chemoreceptor-mediated control of locus coeruleus neurons and splanchnic, sympathetic nerves. Elam M, et al. **Brain Res** 1981 Oct 19;222(2):373-81

Sympathoadrenal and adrenal hormonal responses of newborn calves to hypothermia. Olson DP, et al. **Can J Comp Med** 1981 Jul;45(3):321-6

Assessment of myocardial sympathetic activity in coronary heart disease. Michelet MC, et al. **Cardiology** 1981; 68(4):206-17

Biochemical indices of sympathetic activity in migraine. Anthony M. **Cephalalgia** 1981 Jun;1(2):83-9

Sympathetic cross-innervation of SHR and genetic controls suggests a trophic influence on vascular muscle membranes. Abel PW, et al. **Circ Res** 1981 Dec;49(6):1311-8

Cardiac dynamics during hemorrhage. Relative unimportance of adrenergic inotropic responses. Hintze TH, et al. **Circ Res** 1982 May;50(5):705-13

The value of grip test as an index of autonomic function in hypertension. Chrysant SG. **Clin Cardiol** 1982 Feb; 5(2):139-43

Withdrawal of endogenous sympathetic drive lowers blood pressure in primary aldosteronism. Nicholls MG, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):253-8

Norepinephrine release in arteries of spontaneously hypertensive rats. Zsotér TT, et al. **Clin Exp Hypertens [A]** 1982;4(3):431-44

Transcutaneous sympathetic stimulation: effects of autonomic nervous function. Bajada S, et al. **Clin Exp Neurol** 1981; 17:139-45

Central aminergic mechanisms associated with the clonidine withdrawal syndrome. Lewis SJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct;8(5):489-95

Variations in individual organ release of noradrenaline measured by an improved radioenzymatic technique; limitations of peripheral venous measurements in the assessment of sympathetic nervous activity. Brown MJ, et al. **Clin Sci** 1981 Nov;61(5):585-90

Sympathetic reflex control of subcutaneous blood flow in tetraplegic man during postural changes. Skagen K, et al. **Clin Sci** 1982 Jun;62(6):605-9

Elevated plasma adrenaline reflects sympathetic overactivity and enhanced alpha-adrenoceptor-mediated vasoconstriction in essential hypertension. Bolli P, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):161s-164s

A sympathetic hypertensive reflex from the heart of conscious dogs. Pagani M, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):181s-183s

Role of the sympathetic nervous system in spontaneous hypertension: changes in central adrenoceptors and plasma catecholamine levels. Palermo A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):195s-198s

Reflex control of sympathetic nerve activity and heart rate from arterial baroreceptors in conscious spontaneously hypertensive rats. Ricksten SE, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):169s-172s

Effect of minoxidil on sympathetic nervous activity in clonidine-treated hypertensive patients. Velasco M, et al. **Eur J Clin Pharmacol** 1981;20(4):259-62

Sympathetic nervous activity and renal and systemic hemodynamics in cirrhosis: plasma norepinephrine concentration, hepatic extraction, and renal release. Ring-Larsen H, et al. **Hepatology** 1982 May-Jun; 2(3):304-10

The sympathetic system in hypertension. State-of-the-art review. Abboud FM. **Hypertension** 1982 May-Jun;4(3 Pt 2):208-25 (145 ref.)

Pre- and postcapillary vascular responses to sympathetic

nerve stimulation in DOCA-hypertensive dogs. Brock TA, et al. **Hypertension** 1981 Jul-Aug;3(4):471-8

Exaggerated sympathetic responses to bradykinin in spontaneously hypertensive rats. Buñag RD, et al. **Hypertension** 1981 Jul-Aug;3(4):433-40

Interaction of the sympathetic nervous system with vasopressin and renin in the maintenance of blood pressure. Gavras H, et al. **Hypertension** 1982 May-Jun;4(3):400-5

Importance of the renal nerves in established two-kidney, one clip Goldblatt hypertension. Katholi RE, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):166-74

Sympathetic system function and vascular reactivity in hypercalcemic patients. Vlachakis ND, et al. **Hypertension** 1982 May-Jun;4(3):452-8

Long-term converting enzyme inhibition and sympathetic nerve function in hypertensive humans. Zanella MT, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-216-21

Changes in parasympathetic and sympathetic neurochemical indices in hearts of myopathic hamsters. Lund DD, et al. **J Auton Nerv Syst** 1982 Mar;5(2):237-46

Mechanism of the antihypertensive action of DL-alpha-monofluoromethyldopa: implications for the role of the sympathetic nervous system in maintenance of elevated blood pressure in spontaneously hypertensive rats. Fozard JR, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct; 3(5):1038-49

Cardiac arrhythmias elicited by interaction between acute myocardial ischemia and sympathetic hyperactivity: a new experimental model for the study of antiarrhythmic drugs. Schwartz PJ, et al. **J Cardiovasc Pharmacol** 1981 Nov-Dec; 3(6):1251-9

Role of the sympathetic nervous system in blood pressure maintenance in obesity. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1181-6

Decrease in peripheral sympathetic nervous system activity following renal denervation or unclipping in the one-kidney one-clip Goldblatt hypertensive rat. Katholi RE, et al. **J Clin Invest** 1982 Jan;69(1):55-62

Noradrenergic challenges in the affective disorders. Siever L, et al. **J Clin Psychopharmacol** 1981 Jul;1(4):193-206 (144 ref.)

Effects of sympathetic stimulation on refractory periods of ischemic canine ventricular myocardium. Burgess MJ, et al. **J Electrocardiol** 1982 Jan;15(1):1-8

Experimental partial sympathicotonia, and effects of some drugs on it in restraint and water immersion stressed animals. Yoneda R, et al. **J Pharmacobiodyn** 1980 Dec; 3(12):692-701

Enhanced angiotensin-mediated facilitation of adrenergic neurotransmission in spontaneously hypertensive rats. Kawasaki H, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):112-6

Relevance of sympathetic dyssynergia in the region of external urethral sphincter: possible mechanism of voiding dysfunction in the absence of (somatic) sphincter dyssynergia. Koyanagi T, et al. **J Urol** 1982 Feb; 127(2):277-82

Augmented sympathetic nervous function in young subjects with borderline hypertension. Kawano Y, et al. **Jpn Circ J** 1982 May;46(5):483-5

Sympathetic nervous systems in chronic hypoxic states from pulmonary tuberculosis: a clinical study on plasma norepinephrine and cyclic AMP levels. Watanabe E, et al. **Jpn J Med** 1981 Jul;20(3):180-7

Abnormal relationship between sodium intake and sympathetic nervous system activity in salt-sensitive patients with essential hypertension. Campese VM, et al. **Kidney Int** 1982 Feb;21(2):371-8

Clonidine withdrawal: activation of brain noradrenergic neurons with specifically reduced alpha 2-receptor sensitivity. Engberg G, et al. **Life Sci** 1982 Jan 18; 30(3):235-43

Reduced sympathetic nervous system activity in rats with ventromedial hypothalamic lesions. Vander Tuig JG, et al. **Life Sci** 1982 Mar 15;30(11):913-20

Enhanced renal sympathetic tone in liver cirrhosis: evaluation by intrarenal administration of dihydroergocristine. Gatta A, et al. **Nephron** 1982;30(4):364-7

Reactivity disorders of sympathetic nervous system in patients with brainstem infarction. Stoica E, et al. **Neurol Psychiatr (Bucur)** 1981 Jul-Sep;19(3):205-18

Adrenergic innervation in autonomic failure. Bannister R, et al. **Neurology (NY)** 1981 Dec;31(12):1501-6

Normal and abnormal sympathoadrenal function; in patients with insulin-dependent diabetes mellitus. Cryer PE. **NY State J Med** 1982 May;82(6):886-91 (35 ref.)

Sympathetic influence on striated urethral sphincter in urinary incontinence. Nordling J, et al. **Prog Clin Biol Res** 1981;78:101-3

Sympathetic nerves protect against blood-brain barrier disruption in the spontaneously hypertensive rat. Mueller SM, et al. **Stroke** 1982 Jan-Feb;13(1):83-8

[Postoperative adreno-sympathetic neuroendocrine responses (author's transl)] Huang ZQ. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):104-8 **(Chi)**

[Borderline essential hypertension and the adrenergic nervous system. Identification assay] Cuche JL, et al. **Arch Mal Coeur** 1981 Jun;74 Spec No:107-15 (Eng. Abstr.) **(Fre)**

[The renin-angiotensin system and the sympathetic nervous system in essential hypertension] Vincent M, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:91-4 (Eng. Abstr.) **(Fre)**

[Vascular reactivity in young genetically hypertensive rats of the Lyons strain] Yoccoz D, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:67-70 (Eng. Abstr.) **(Fre)**

[The sympathetic nervous system and sudden cardiac death] Schwartz PJ. **G Ital Cardiol** 1981;11(9):1191-7 (56 ref.) **(Ita)**

[Role of the adrenergic system in the pathogenesis of essential arterial hypertension. Dynamic evaluation of plasma catecholamines] Cerasola G, et al. **Recenti Prog Med** 1982 Mar;72(3):284-303 (Eng. Abstr.) **(Ita)**

[The effect of the sympathetic nervous system on cervical spondylosis (author's transl)] Watanuki A. **Nippon Seikeigeka Gakkai Zasshi** 1981 Apr;55(4):371-85 (Eng. Abstr.) **(Jpn)**

[Activity of the adrenergic system in children with emotional-autonomic disorders] Szewczyk L. **Pol Tyg Lek** 1981 Oct-Dec;36(42-52):1637-9 **(Pol)**

[Sympathetic-adrenal system in chronic salpingo-oophoritis] Koreneva GP, et al. **Akush Ginekol (Mosk)** 1982 Apr; (4):26-8 (Eng. Abstr.) **(Rus)**

[Sympathetic mechanism of regulating heart function in acute transitory coronary insufficiency of different duration] Litvitskii PF. **Biull Eksp Biol Med** 1981 Aug;92(8):17-20 (Eng. Abstr.) **(Rus)**

[New data on the state of the sympathetic-adrenal system in hypertension] Parfenova EV, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):19-26 (Eng. Abstr.) **(Rus)**

[Functional status of the sympatho-adrenal system of rats during emotional-painful stress] Manukhin BN, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1182-8 (Eng. Abstr.) **(Rus)**

[Acetylcholine-acetylcholinesterase and sympathetic-adrenal systems in dust bronchitis] Makotchenko VM, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):12-5 (Eng. Abstr.) **(Rus)**

[Indices of sympathetic-adrenal system and renin activity in ischemic heart disease before and after obzidan treatment] Orlov VN, et al. **Kardiologiia** 1982 Mar;22(3):53-7 (Eng. Abstr.) **(Rus)**

[Sympathetico-adrenal and hypophyseal-adrenal systems in the pathogenesis of the postischemic syndrome] Sergeeva NA, et al. **Kardiologiia** 1982;22(7):75-80 (Eng. Abstr.) **(Rus)**

[Sympathetic-adrenal system in ischemic heart disease before and after obzidan treatment] Orlov VN, et al. **Klin Med (Mosk)** 1981 Jun;59(6):74-8 **(Rus)**

[Human sympathetic-adrenal system during water immersion] Davydova NA, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):30-4 (Eng. Abstr.) **(Rus)**

[State of the cardiovascular and sympathetic-adrenal system in experimental cardiogenic shock] Leont'eva GV, et al. **Patol Fiziol Eksp Ter** 1981;(6):13-8 (Eng. Abstr.) **(Rus)**

[Functional state of the adrenal cortex and sympathico-adrenal system in in acute pneumonia in hypotrophic children] Nazarmukhamedov FKh, et al. **Pediatriia** 1982 May;(5):64-5 **(Rus)**

[Various adrenergic reactions in experimental hyperthyroidism] Sobolev VI. **Probl Endokrinol (Mosk)** 1981 Sep-Oct;27(5):63-9 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on the activities of the sympathetic-adrenal system and the blood kallikrein-kinin system in acute arrhythmia] Ivleva VI, et al. **Ter Arkh** 1981; 53(5):66-8 (Eng. Abstr.) **(Rus)**

[Relationship between the activity of sympathico-adrenal system and clinico-physiological parameters in patients with ischemic heart disease during inderal therapy] Orlov VN, et al. **Ter Arkh** 1982;54(5):53-7 (Eng. Abstr.) **(Rus)**

[Functional status of the adrenals in patients with urolithiasis in Kirghizia] Tynaliev MT, et al. **Urol Nefrol (Mosk)** 1982 May-Jun;(3):11-5 (Eng. Abstr.) **(Rus)**

[Sympathico-adrenal system in lung cancer] Filatova NA, et al. **Vopr Onkol** 1982;28(8):30-5 (Eng. Abstr.) **(Rus)**

[Functional activity of the sympathetic-adrenal system and body immunological reactivity in oncological patients] Filatova NA, et al. **Vopr Onkol** 1982;28(2):80-4 (Eng. Abstr.) **(Rus)**

[The sympathetic-adrenal system in breast cancer patients] Mel'nikov RA, et al. **Vopr Onkol** 1981;27(12):9-14 **(Rus)**

[Functional activity of the sympathetico-adrenal system in breast cancer] Sidorenko LN, et al. **Vopr Onkol** 1982; 28(6):85-6 **(Rus)**

[Clinical manifestations and treatment of interoreceptive-psychogenic coitus dysfunction] Iunda IF, et al. **Vrach Delo** 1981 Nov;(11):52-5 (Eng. Abstr.) **(Rus)**

[Sympathetic mediator theory of the pathogenesis of progressive muscular dystrophies (a review)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1722-6 (64 ref.) **(Rus)**

SECRETION

Positive feedback regulation of noradrenaline release from sympathetic nerves: a questionable hypothesis. Kalsner S. **Can J Physiol Pharmacol** 1982 May;60(5):737-43

ACTH1-24 increases stimulation-evoked noradrenaline release from sympathetic nerves by acting on presynaptic ACTH receptors. Göthert M. **Eur J Pharmacol** 1981 Dec 3;76(2-3):295-6

Nicotinic release of noradrenaline in the presence of tetrodotoxin from sympathetic nerve terminals in rabbit isolated atria. Sarantos-Laska C, et al. **J Pharm Pharmacol** 1981 May;33(5):315-6

SURGERY

[Our experience in endonasal rhino-neuro-microsurgery] Jovanovic M, et al. **Acta Otorhinolaryngol Belg** 1981; 35(1):74-6 **(Fre)**

TRANSPLANTATION

Factors regulating growth of catecholamine-containing nerves, as revealed by transplantation and explantation studies. Olson L, et al. **Ciba Found Symp** 1980 Oct; (83):213-31

SYMPATHETIC TRANSMITTER RELEASERS see **SYMPATHOMIMETICS**

SYMPATHINS see **CATECHOLAMINES**

SYMPATHOLYTICS

Noradrenergic neurone blocking agents. Boura AL, et al. **J Auton Pharmacol** 1981 Jun;1(3):255-67

The discovery of the noradrenergic neurone blocking action of TM10 (xylocholine). Fielden R. **J Auton Pharmacol** 1981 Jun;1(3):251-4

Some autonomic blocking properties of zetidoline (DL 308-IT), a novel potential anti-psychotic drug. Fosbraey P, et al. **J Pharm Pharmacol** 1982 Feb;34(2):127-8

Adrenergic nerve-blocking activity of a new guanidine derivative. Kirpekar SM, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):748-51

[Central inhibitory effect of scopolamine and its adrenergic antagonistic activity (author's transl)] Bian CF, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Jun;2(2):78-81 (Eng. Abstr.) **(Chi)**

[Studies on the specific-adrenolytic and unspecific-cardiodepressive action of the beta-blocker acebutolol (author's transl)] Noack E. **Arzneimittelforsch** 1981;31(9):1410-6 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

[Correction of hypersensitivity to strophanthin in experimental myocardial infarction by pharmacologic effects on extracardiac innervation] Gendenshtein EI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):696-8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Norepinephrine analog detects pheochromocytoma [news] Bolsen B. **JAMA** 1982 May 7;247(17):2341

[Effect of adrenergic drugs on cardiac activity and cerebral electrical activity in hypoxic rabbits] Akopian NS, et al. **Fiziol Zh** 1981 Sep-Oct;27(5):633-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

On the mechanism of action of an adrenergic blocking guanidine (CG8345-Go). Kaul CL, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):192-204

Gluconeogenesis in rabbit liver. IV. The effects of glucagon, epinephrine, alpha- and beta-adrenergic agents on gluconeogenesis and pyruvate kinase in hepatocytes given dihydroxyacetone or fructose. Yorek MA, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):309-15

The short term effects of propranolol, atenolol and labetalol on antipyrine kinetics in normal subjects. Daneshmend TK, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):817-20

Antihypertensive and adrenoceptor blocking properties of new sulfonamide-substituted phenylethylamines. Takenaka T, et al. **Clin Exp Hypertens [A]** 1982;4(1-2):125-37

Adrenergic agents as possible regulators of liver regeneration. Morley CG, et al. **Int J Biochem** 1981;13(9):969-73 (46 ref.)

Influence of adrenoceptor blockade on endotoxin-induced histopathological changes in murine Meth A sarcoma. Kuper CF, et al. **Int J Immunopharmacol** 1982;4(1):49-55

Glucose, glucagon, and insulin during adrenergic blockade in exercising sheep. Brockman RP, et al. **J Appl Physiol** 1982 Feb;52(2):315-9

Exogenously stimulated gastric secretion in dogs after ganglion and sympathetic blockade and antral acidification. Etzel K, et al. **J Auton Pharmacol** 1982 Mar;2(1):45-51

Time-course effects of adrenergic and cholinergic antagonists on systemic arterial blood pressure, heart rate and temperature in conscious squirrel monkeys. Byrd LD, et al. **J Med Primatol** 1981;10(2-3):81-92

Paradoxical resistance to adrenolytic agents of field-stimulated bladder base of rabbit. Slack BE, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):216-22

Adrenergic pharmacology of aqueous humor dynamics. Potter DE. **Pharmacol Rev** 1981 Sep;33(3):133-53

Induction of wet dog shakes by intracerebroventricular bethanechol in rats. Antagonism by neurotransmitter receptor blockers. Turski L, et al. **Pharmacology** 1982 Feb; 24(2):105-10

Epinephrine induced myocardial necrosis: effects of aminophylline and adrenergic blockade. Blaiklock RG, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):179-92

Modification of toxic effects of cystamine by adrenergic agents in rats. Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):541–7

Sympatholytic effect on striated urethral sphincter. A peripheral or central nervous system effect? Nordling J, et al. **Scand J Urol Nephrol** 1981;15(3):173–80

[Elimination of urinary catecholamines and their metabolites after administration of atropine and of alpha and beta sympatholytics in healthy volunteers (author's transl)] Veselková A, et al. **Cas Lek Cesk** 1981;120(50):1533–6 **(Cze)** (Eng. Abstr.)

[Antihypertensive agents acting on the nervous system. 3: peripheral action] Béroniade V. **Union Med Can** 1982 Jan; 111(1):49–54 (Eng. Abstr.) **(Fre)**

[Effect of obstetric drugs on the oxygen-induced contraction of the ductus arteriosus in the rabbit fetus] Endreffy E, et al. **Orv Hetil** 1981 Sep 27;122(39):2401–5 **(Hun)**

[Changes in blood sugar after administration of xylazine and adrenergic blockers in the rat] Koppel J, et al. **Vet Med (Praha)** 1982 Feb;27(2):113–8 (Eng. Abstr.) **(Slo)**

POISONING

[Hemiton poisoning] Popov IM, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):55 **(Rus)**

THERAPEUTIC USE

Antiadrenergic therapy: special aspects in hypertension in the elderly. Messerli FH, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–226–9

Usefulness of home BP determination in treating borderline hypertension. Cottier C, et al. **JAMA** 1982 Aug 6; 248(5):555–8

[Current concept of antihypertensive therapy (author's transl)] Vetter W. **Praxis** 1982 Jan 12;71(2):53–7 **(Ger)**

[Treatment of arterial hypertension in patients with cerebrovascular insufficiency] Strazzulio P, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:82–5 **(Ita)**

[Role of the adrenolytic properties of neuroleptics in their effects on ethanol addiction] Lakoza GN, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):151–4 (Eng. Abstr.) **(Rus)**

[Stimulation and blocking of adrenergic receptors in the therapy of cardiovascular diseases] Cárdenas M. **Gac Med Mex** 1981 Dec;117(12):466–71 **(Spa)**

SYMPATHOMIMETICS

Sympathomimetic and cardiodepressant effects of acebutolol, oxprenolol, pindolol, and propranolol. A comparative study on changes in hemodynamics, contractility, heart rate, and AV-conduction time at therapeutic doses. Gülker H, et al. **Arzneimittelforsch** 1981;31(9):1416–22

Intrinsic sympathomimetic activity and coronary blood flow. Berdeaux A, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):175S–180S

The effect of intrinsic sympathomimetic activity of beta-adrenoceptor blockers on circadian heart rate. Fitscha P, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):211S–215S

Beta-adrenoceptor blockade and atrio-ventricular conduction in dogs. Role of intrinsic sympathomimetic activity. Giudicelli JF, et al. **Br J Clin Pharmacol** 1982; 13(Suppl 2):167S–174S

How intrinsic sympathomimetic activity modulates the haemodynamic responses to beta-adrenoceptor antagonists. A clue to the nature of their antihypertensive mechanism. Man in 't Veld AJ, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):245S–257S

ADMINISTRATION & DOSAGE

Method for localized and sustained administration of drugs to the vas deferens of rats. Wadsworth RM, et al. **J Pharmacol Methods** 1981 Jun;5(4):313–20

[Use of partusisten for preventing uterine inertia in women with a prolonged preliminary period] Gorovenko VN, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):53 **(Rus)**

[Effect of the successive administration of obzidan and novodrin on carbohydrate metabolism under different types of general anesthesia] Gimmel'farb GN, et al. **Anesteziol Reanimatol** 1981 May–Jun;(3):25–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Mydriatic and cycloplegic drugs: a review of ocular and systemic complications. Rengstorff RH, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):162–77 (148 ref.)

Influence of intrinsic sympathomimetic activity (ISA) during beta-adrenoceptor blockade in asthmatics. Dorow P. **Br J Clin Pharmacol** 1982;13(Suppl 2):321S–323S

Psychiatric morbidity from long-term medications [editorial] DePaulo JR. **JAMA** 1982 Apr 2;247(13):1867

Chronic hallucinosis from nasal drops. Escobar JI, et al. **JAMA** 1982 Apr 2;247(13):1859–60

[Acute glaucoma precipitated by systemic therapy with adrenergic/anticholinergic drugs] Andersen SR, et al. **Ugeskr Laeger** 1981 May 25;143(22):1397–9 (Eng. Abstr.) **(Dan)**

[Juvenile arteriopathy and nasal sympathomimetics (letter)] Dezellus P, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2231 **(Fre)**

[The effect of tokolysis by means if beta- mimetics on fetuses and neonates (author's transl)] Rosanelli K, et al. **Z Geburtshilfe Perinatol** 1982 Apr–May;186(2):93–6 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Inhibitory effect of captopril on adrenergic vasoconstriction [letter] Kondo K, et al. **Clin Sci** 1982 May;62(5):565–6

DIAGNOSTIC USE

Disruption of iris adrenergic transmission as an index of poor endorphin modulation in headache. Fanciullacci M, et al. **Adv Neurol** 1982;33:365–74

[Effect of adrenergic drugs on cardiac activity and cerebral electrical activity in hypoxic rabbits] Akopian NS, et al. **Fiziol Zh** 1981 Sep–Oct;27(5):633–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Fate of [3H]amezinium in sympathetically innervated rabbit tissues. Steppeler A, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1075–80

PHARMACODYNAMICS

Effect of sympathomimetic substances and analogues on tail absorption of frog larva. Csaba G, et al. **Acta Biol Acad Sci Hung** 1981;32(2):103–9

Beta-mimetics and the preterm neonatal lung. An experimental and clinical study. Bergman B. **Acta Physiol Scand [Suppl]** 1981;497:1–52

Suppression of mammotropic development and prolactin release by sympathomimetic drugs in rats. Shani J, et al. **Arch Farmacol Toxicol** 1981 Aug;7(2):201–8

Comparison of effects of adrenaline, ethylphenylephrine, isoprenaline and terbutaline on the vascular system. Cyong JC, et al. **Arch Int Pharmacodyn Ther** 1982 Jun; 257(2):255–62

Gluconeogenesis in rabbit liver. IV. The effects of glucagon, epinephrine, alpha- and beta-adrenergic agents on gluconeogenesis and pyruvate kinase in hepatocytes given dihydroxyacetone or fructose. Yorek MA, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3–4):309–15

The influences of glucagon, epinephrine and adrenergic agents on glycogen phosphorylase a and pyruvate kinase activities in hepatocytes from juvenile and adult rabbits. Yorek MA, et al. **Biochim Biophys Acta** 1982 Jul 16; 717(1):143–8

Electrophysiological effects of cardioselective and non-cardioselective beta-adrenoceptor blockers with and without ISA at rest and during exercise. Hombach V, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):285S–293S

Can ISA compensate for bradycardia due to beta-adrenoceptor blockade? Lohmöller G, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):315S

Beta-adrenoceptor blocking drugs: the relevance of intrinsic sympathomimetic activity. Louis WJ, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):317S–320S (27 ref.)

Peripheral haemodynamic effects of beta-adrenoceptor blocking drugs with ISA or relative beta 1-selectivity at rest and during physical exercise. Rieckert H, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):227S–228S

The influence of beta-adrenoceptor blocking drugs with and without intrinsic sympathomimetic activity on the hormonal responses to hypo- and hyperglycaemia. Schlüter KJ, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):407S–417S

Vasodilating properties of beta-adrenoceptor blockers with intrinsic sympathomimetic activity. Thulesius O, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):229S–230S

The effect of intrinsic sympathomimetic activity on beta-receptor responsiveness after beta-adrenoceptor blockade withdrawal. Walden RJ, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):359S–364S

The response of the rabbit rectococcygeus muscle to stimulation of extrinsic inhibitory nerves and to sympathomimetic drugs. King BF, et al. **Br J Pharmacol** 1981 May;73(1):87–95

Inhibition of the n-formylmethionyl-leucyl-phenylalanine induced respiratory burst in human neutrophils by adrenergic agonists and prostaglandins of the E series. Wong K, et al. **Can J Physiol Pharmacol** 1981 Sep; 59(9):915–20

Evidence against significant resting sympathetic coronary vasoconstrictor tone in the conscious dog. Chilian WM, et al. **Circ Res** 1981 Oct;49(4):866–76

Adrenergic neurotransmission failure in isolated canine jejunal arteries during hemorrhagic shock. Bond RF, et al. **Circ Shock** 1981;8(5):519–31

Adrenergic responsiveness in prehypertensive subjects. Kotchen TA, et al. **Circulation** 1982 Feb;65(2):285–90

George E. Brown memorial lecture. Local modulation of adrenergic neurotransmission. Shepherd JT, et al. **Circulation** 1981 Oct;64(4):655–66 (75 ref.)

Measurement of partial agonist activity of pindolol. Carruthers SG, et al. **Clin Pharmacol Ther** 1981 Nov; 30(5):581–6

Blunted pressor response to angiotensin and sympathomimetic amines in bile-duct ligated dogs. Finberg JP, et al. **Clin Sci** 1981 Nov;61(5):535–9

Sympathomimetic drugs stimulate the output of secretory glycoproteins from human bronchi in vitro. Phipps RJ, et al. **Clin Sci** 1982 Jul;63(1):23–8

Response of the isolated rabbit ciliary epithelium to adrenergic drugs following superior cervical ganglionectomy. Green K, et al. **Curr Eye Res** 1981; 1(4):217–22

Regulation of progesterone-metabolizing enzyme by adrenergic agents, prolactin, and prostaglandins in cultured rat ovarian granulosa cells. Jones PB, et al. **Endocrinology** 1981 Nov;109(5):1347–54

Effects of adrenergic drugs on raphe unit activity in freely moving cats. Heym J, et al. **Eur J Pharmacol** 1981 Sep 11;76(2–3):117–25

Effects of adrenergic drugs on miniature contractions of isolated dog urinary bladder. Ueda S, et al. **Eur Urol** 1982; 8(1):37–41

Effect of adrenotropic substances on the growth and maturation of oocytes of the sea urchin, Strongylocentrotus nudus. Khotimchenko YuS. **Experientia** 1982 Jun 15; 38(6):696–7

Adrenergic and dopaminergic modulation of growth hormone and prolactin secretion in normal and tumor bearing human pituitaries in monolayer culture. Tallo D, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1278–84

Effects of parasympathomimetic and sympathomimetic drugs on the secretion and composition of rat sublingual saliva. Abe K, et al. **J Dent Res** 1982 Jan;61(1):52–6

The effects of alpha and beta adrenergic agonists and cyclic adenosine 3':5'-monophosphate on epidermal metabolism. Harris RR, et al. **J Invest Dermatol** 1981 Oct;77(4):337–40

Effects of intraventricular administration of sympathomimetic agents on metabolic, vasomotor and temperature responses in Taiwan monkeys. Chern YF, et al. **Jpn J Physiol** 1981;31(4):599–603

Development of clonidine-tolerance in the rat vas deferens: cross tolerance to other presynaptic inhibitory agents. Ishii K, et al. **Life Sci** 1982 Jan 18;30(3):285–92

Response of the isolated rat iris sphincter to cholinergic and adrenergic agents and electrical stimulation. Narita S, et al. **Life Sci** 1981 Jul 20;29(3):285–92

Development of stimulus–secretion coupling in salivary glands. Cutler LS, et al. **Methods Cell Biol** 1981;23:531–45

The effect of temperature upon the responses of isolated cardiac muscle to sympathomimetic amines. Broadley KJ. **Methods Find Exp Clin Pharmacol** 1980 Aug;2(4):181–93 (83 ref.)

Conformational preferences of amphetamine analogues for inhibition of phenylethanolamine N-methyltransferase. Conformationally defined adrenergic agents. 5. Grunewald GL, et al. **Mol Pharmacol** 1981 Sep;20(2):377–81

Castration alters the stimulatory and inhibitory adrenergic influences on isolated rat vas deferens. Borda E, et al. **Pharmacol Res Commun** 1981 Nov;13(10):981–96

Adrenergic pharmacology of aqueous humor dynamics. Potter DE. **Pharmacol Rev** 1981 Sep;33(3):133–53

Sympathomimetic amine-induced release of norepinephrine-3H from different intraneuronal storage compartments. Takimoto GS, et al. **Pharmacology** 1981; 23(6):310–25

Ontogenetic studies on adrenergic lipolysis in rat adipocytes from subcutaneous adipose tissue. Mühlbachová E, et al. **Physiol Bohemoslov** 1982;31(1):37–43

The glycemic effects of sympathomimetics in stressed mice. Fletcher HP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):377–88

Modification of toxic effects of cystamine by adrenergic agents in rats. Volenec K, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(4):541–7

[The action of sympathomimetic amines in relation to cardiac lesions and blood oxygen tension (author's transl)] Sawabe T, et al. **Yakugaku Zasshi** 1981 Feb;101(2):161–8 (Eng. Abstr.) **(Jpn)**

[Effect of adrenomimetic, adreno- and ganglionic-blocking agents during hyperbaric oxygenation] Filatov AF, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):35–9 (Eng. Abstr.) **(Rus)**

[Age-associated characteristics of the effect of adrenomimetics on myocardial energy metabolism] Viktorov AP. **Farmakol Toksikol** 1981 Sep–Oct;44(5):571–6 **(Rus)**

[Antiarrhythmic action of nitroglycerin on extrasystoles due to the administration of the alpha-adrenomimetic mezaton in unanesthetized cats] Dugin SF, et al. **Kardiologiia** 1982 Jan;22(1):103–5 **(Rus)**

PHYSIOLOGY

Adrenergic agents as possible regulators of liver regeneration. Morley CG, et al. **Int J Biochem** 1981;13(9):969–73 (46 ref.)

POISONING

[Hemiton poisoning] Popov IM, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):55 **(Rus)**

THERAPEUTIC USE

Experiences with the use of a uterine muscle relaxant preparation (Hanegif inj, ad us. vet.).. Horváth G, et al. **Acta Vet Acad Sci Hung** 1981;29(1):65–9

Sympathomimetic amines: potential clinical applications in ischemic heart disease. Goldberg LI, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):724–9

Clinical relevance of intrinsic sympathomimetic activity of beta blockers. Kostis JB, et al. **Angiology** 1981 Nov; 32(11):780–7 (10 ref.)

The influence of beta-adrenoceptor antagonists with and without intrinsic sympathomimetic activity on local wall motion abnormalities in patients with coronary heart disease. Gleichmann U, et al. **Br J Clin Pharmacol** 1982; 13(Suppl 2):301S–304S

Acute myocardial infarction: selective or ISA-type beta-adrenoceptor blocking drug? Heikkilä J, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):299S

Relationship of plasma catecholamines to blood pressure in hypertensive patients during beta-adrenoceptor blockade with and without intrinsic sympathomimetic activity. Kirsten R, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):397S–406S

Effects of inhaled sympathomimetics on obstructive response to respiratory heat loss. Rossing TH, et al. **J Appl Physiol** 1982 May;52(5):1119–23

Protective action of diazepam and of sympathomimetic amines against amitryptyline-induced toxicity. Follmer CH, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):424–9

[Monitoring control and tocolysis in premature labor using beta-adrenomimetics] Ivanov S. **Akush Ginekol (Sofiia)** 1981;20(5):403–8 (27 ref.) **(Bul)**

[Monitoring changes in fetal heart rate deceleration in premature labor during tocolysis with the beta-adrenomimetics Partusisten and Pre-par] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1982;21(1):25–7 (Eng. Abstr.) **(Bul)**

[Sympathomimetics in intensive medicine] Vogel F, et al. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1383–5 **(Ger)**

[Drug interactions between cardiac and circulatory drugs. Cardiac glycosides, anti-arrhythmia agents, sympathomimetics] Estler CJ. **Fortschr Med** 1981 Sep 3; 99(33):1285–95 **(Ger)**

[Therapy of the orthostatic syndrome. Studies using dimepropion-HCl] Soholing WE. **Fortschr Med** 1982 Feb 18;100(7):289–93 (Eng. Abstr.) **(Ger)**

[Comparative studies of the efficacy of amezinium and etilefrin in aged patients with hypotonic blood circulation regulatory disorders] Jansen W. **Med Welt** 1982 Oct 2; 32(40):1491–6 **(Ger)**

[Intrinsic sympathomimetic activity with beta-receptor blockers. Significance for differential therapy (author's transl)] Noack E. **MMW** 1982 Apr 16;124(15):377–80 (33 ref.) (Eng. Abstr.) **(Ger)**

[Sympathomimetics in the study of asthmatic disease (editorial)] Perez Martin J. **Alergia** 1982 Jan;29(1):1–3 **(Spa)**

[Stimulation and blocking of adrenergic receptors in the therapy of cardiovascular diseases] Cárdenas M. **Gac Med Mex** 1981 Dec;117(12):466–71 **(Spa)**

SYMPHYSIOTOMY

A retrospective study of matched symphysiotomies and caesarian sections at Port Moresby General Hospital. Mola G, et al. **Papua New Guinea Med J** 1981 Jun;24(2):103–12

METHODS

Immediate transpubic approach to avulsions of the prostatomembranous urethra. Dunlap DJ. **Minn Med** 1981 Dec;64(12):759–60

SYNAPSES

Onset of synapse formation in the human spinal cord. Okado N. **J Comp Neurol** 1981 Sep 10;201(2):211–9

Synaptic termination of thalamic and callosal afferents in cingulate cortex of the rat. Vogt BA, et al. **J Comp Neurol** 1981 Sep 10;201(2):265–83

ANALYSIS

Laminin, fibronectin, and collagen in synaptic and extrasynaptic portions of muscle fiber basement membrane. Sanes JR. **J Cell Biol** 1982 May;93(2):442–51

Identification of synapse specific components: synaptic glycoproteins, proteins, and transmitter binding sites. Mena EE, et al. **J Neurochem** 1981 Dec;37(6):1557–66

Isolation, morphology, and protein and glycoprotein composition of synaptic junctional fractions from the brain of lower vertebrates: antigen PSD-95 as a junctional marker. Nieto-Sampedro M, et al. **J Neurosci** 1982 Jun; 2(6):722–34

Optimal concentration of iodonitrotetrazolium for the isolation of junctional fractions from rat brain. Nieto-Sampedro M, et al. **Neurochem Res** 1981 Mar; 6(3):307–20

Synaptic cleft glycoproteins contain homologous amino acid sequences. Mena EE, et al. **Science** 1982 Apr 23; 216(4544):422–4

ANATOMY & HISTOLOGY

Inverse relationship between transmitter release and terminal length in synapses on frog muscle fibers of uniform input resistance. Nudell BM, et al. **J Neurosci** 1982 Feb; 2(2):216–24

CYTOLOGY

Decreased synaptic areas on Purkinje spines in the cerebellar cortex of the mutant Japanese quail, Coturnix coturnix japonica. Ueda S, et al. **Brain Res** 1982 Jan 28;232(1):17–28

The relation of postsynaptic geometry to the number of presynaptic axons that innervate autonomic ganglion cells. Purves D, et al. **J Neurosci** 1981 May;1(5):441–52

DRUG EFFECTS

Mechanism of neuromuscular blocking effect of the venom of Dendroaspis angusticeps. Identification of pre-and post-synaptic fractions isolated by column chromatography. Wangai J, et al. **Agressologie** 1982 Mar; 23(1):37–40

Evidence for postsynaptic effect of captopril in isolated perfused rabbit kidney. Mimran A, et al. **Am J Cardiol** 1982 Apr 21;49(6):1540–1

Presynaptic effect of clonidine antagonized by the tetramine disulphide, benextramine. Belleau B, et al. **Br J Pharmacol** 1982 Apr;75(4):617–21

Consequences of axonal transport blockade by batrachotoxin on mammalian neuromuscular junction. II. Late pre- and postsynaptic changes. Deshpande SS, et al. **Brain Res** 1981 Nov 23;225(1):115–29

Effects of 4-aminopyridine on synaptic transmission in the cat spinal cord. Jankowska E, et al. **Brain Res** 1982 May 20;240(1):117–29

Baclofen selectively inhibits excitatory synaptic transmission in the hippocampus. Lanthorn TH, et al. **Brain Res** 1981 Nov 23;225(1):171–8

Opiate alkaloids antagonize postsynaptic glycine and GABA responses: correlation with convulsant action. Werz MA, et al. **Brain Res** 1982 Mar 18;236(1):107–19

Heterogeneity of human vascular pre- and post-synaptic alpha-adrenoceptors. Stevens MJ, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):203s–206s

Intracellular analysis of a postsynaptic action of adenosine in the rat hippocampus. Segal M. **Eur J Pharmacol** 1982 Apr 23;79(3–4):193–9

Further support for the postsynaptic action of substance P and its blockade with baclofen in neurons of the guinea-pig hypothalamus in vitro. Ogata N, et al. **Experientia** 1981 Jul 15;37(7):759–61

A comparison of peripheral pre- and postsynaptic alpha 2-adrenoreceptors using meta-substituted imidazolidines. De Jonge A, et al. **J Auton Pharmacol** 1981 Dec;1(5):377–83

Tetrodotoxin-resistant propagating action potentials in presynaptic axon of the lobster. Niwa A, et al. **J Neurophysiol** 1982 Mar;47(3):353–61

Pre- and postsynaptic effects of sulpiride in the rat isolated vas deferens. Badia A, et al. **J Pharm Pharmacol** 1982 Apr; 34(4):266–8

Quantitative assessment of the pre- and postsynaptic alpha adrenoceptor antagonist potency of amitriptyline. Leighton HJ. **J Pharmacol Exp Ther** 1982 Feb;220(2):299–304

Norepinephrine enhancement of inhibitory synaptic mechanisms in cerebellum and cerebral cortex: mediation by beta adrenergic receptors. Waterhouse BD, et al. **J Pharmacol Exp Ther** 1982 May;221(2):495–506

Pentobarbitone interference with inhibitory synaptic transmission in crayfish stretch receptor neurones. Aickin CC, et al. **J Physiol (Lond)** 1981 Jun;315:175–87

Metabolism and presynaptic inhibitory activity of 2',3' and 5'-adenine nucleotides in rat vas deferens. Willemot J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):110–4

Pharmacological characterization of presynaptic alpha-adrenoceptors in the nucleus tractus solitarii and the cerebral cortex of the rat. Wemer J, et al. **Neuropharmacology** 1982 Jun;21(6):499–506

The effect of kainic acid on excitatory synaptic activity in the rat hippocampal slice preparation. Collingridge GL, et al. **Neurosci Lett** 1981 Nov 18;27(1):31–6

Intracellular observations on the disinhibitory action of acetylcholine in the hippocampus. Ben-Ari Y, et al. **Neuroscience** 1981;6(12):2475–84

Diamide, a thiol oxidizing agent, uncouples the electrotonic junctions of crayfish septate axons, but not those of Navanax motoneurons. Giaume C, et al. **Neuroscience** 1981; 6(11):2239–47

Disinhibitory action of acetylcholine in the rat's hippocampus: extracellular observations. Krnjević K, et al. **Neuroscience** 1981;6(12):2465–74

[Arguments in favor of postsynaptic antagonism by captopril (SQ 14,225) in the perfused kidney] Casellas D, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:51–4 (Eng. Abstr.) **(Fre)**

[Mianserin, presynaptic receptor and biochemical model of depression of Tissot (author's transl)] Dereux JF. **Encephale** 1981;7(4 Suppl):399–400 (Eng. Abstr.) **(Fre)**

[Pharmacology of glutamate sensitive synapses (I). Glutamate agonists (author's transl)] Shinozaki H. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):237–49 (Eng. Abstr.) **(Jpn)**

[Presynaptic action of the phospholipases A2 from cobra and bee venoms deprived of enzymatic activity] Kamenskaia MA, et al. **Dokl Akad Nauk SSSR** 1981;259(5):1271–3 **(Rus)**

ENZYMOLOGY

Irreversible inhibitors of histidine decarboxylase in Aplysia ganglia: a tool for the identification of histaminergic synapses. Weinreich D, et al. **Comp Biochem Physiol [C]** 1981;69(2):383–5

Central noradrenergic neurons: identification, distribution and synaptic interactions with axons containing morphine-like peptides. Pickel V. **J Clin Psychiatry** 1982 Jun;43(6 Pt 2):13–6

Regenerative synaptoneogenesis in the Mammalian spinal cord: dynamics of synaptochemical restoration in the Rolando Substance after transganglionic degenerative atrophy. Csillik B, et al. **J Neural Transm** 1981;52(4):303–17

Synaptic acid phosphatase: ultrastructural localisation, possible function and the effects of electrical stimulation. Wilks PN. **Med Lab Sci** 1981 Jul;38(3):217–36

IMMUNOLOGY

Presynaptic plasma membranes and synaptic vesicles of cholinergic nerve endings demonstrated by means of specific antisera. Walker JH, et al. **Cell Tissue Res** 1982; 223(1):101–16

Postsynaptic density antigens: preparation and characterization of an antiserum against postsynaptic densities. Sampedro MN, et al. **J Cell Biol** 1981 Sep; 90(3):675–86

Concanavalin A receptors associated with rat brain synaptic junctions are high mannose-type oligosaccharides. Gurd JW, et al. **J Neurochem** 1982 Sep;39(3):719–25

METABOLISM

Adrenergic receptor sensitivity in depression. Effects of clonidine in depressed patients and healthy subjects. Charney DS, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):290–4

Impaired presynaptic regulation of norepinephrine in schizophrenia. Effects of clonidine in schizophrenic patients and normal controls. Sternberg DE, et al. **Arch Gen Psychiatry** 1982 Mar;39(3):285–9

Identification of myosin in isolated synaptic junctions. Beach RL, et al. **Brain Res** 1981 Nov 23;225(1):75–93

Evidence that the 40,000 Mr phosphoprotein influenced by high frequency synaptic stimulation is the alpha subunit of pyruvate dehydrogenase. Browning M, et al. **Brain Res** 1981 Aug 10;218(1–2):255–66

Presynaptic muscarinic receptors on dopaminergic terminals in the nucleus accumbens. De Belleroche J, et al. **Brain Res** 1982 Feb 25;234(2):327–37

Subcellular localization of the 52,000 molecular weight major postsynaptic density protein. Kelly PT, et al. **Brain Res** 1982 Feb 11;233(2):265–86

Presynaptic localization of phosphoprotein B-50. Sorensen RG, et al. **Brain Res Bull** 1981 Jul;7(1):57–61

Methylazoxymethanol acetate ablation of mouse cerebellar granule cells: effects on synaptic neurochemistry. Slevin JT, et al. **Dev Neurosci** 1982;5(1):3–12

Studies on the mechanisms of the epileptiform activity induced by U186661. I Gross alteration of the lipids of synaptosomes and myelin. Sarkar CP, et al. **Epilepsia** 1982 Jun;23(3):243–55

The isolation, from electromotor neurone perikarya, of messenger RNAs coding for synaptic proteins. Schmid D, et al. **Eur J Biochem** 1982 Mar 1;122(3):633–9

Dopaminergic receptors in cat brain. Action of triton X-100 on [3H]spiroperidol binding and localization in relation to the synaptic region. Jimenez Aguilar C, et al. **Eur J Pharmacol** 1982 Apr 8;79(1–2):1–9

Structural heterogeneity and subcellular distribution of nicotinic synapse-associated proteins. Gysin R, et al. **J Biol Chem** 1981 Nov 25;256(22):11373–6

Affinity-purified anti-protein I antibody. Specific inhibitor of phosphorylation of protein I, a synaptic protein. Naito S, et al. **J Biol Chem** 1981 Oct 25;256(20):10657–63

The development of pre- and postsynaptic components of the noradrenergic system in the rat cerebellum. Waddington G, et al. **J Neurochem** 1981 Sep;37(3):576–81

Isolation from cholinergic synapses of a protein that binds to membranes in a calcium-dependent manner. Walker JH. **J Neurochem** 1982 Sep;39(3):815–23

Glutamate and aspartate binding sites are enriched in synaptic junctions isolated from rat brain. Foster AC, et al. **J Neurosci** 1981 Jun;1(6):620–5

Stimulation of acetylcholine synthesis by blockade of presynaptic muscarinic inhibitory autoreceptors: observations in rat and human brain preparations and comparison with the effect of choline. Marek KL, et al. **Life Sci** 1982 May 3;30(18):1517–24

Transsynaptic retrograde labeling in the oculomotor system of the monkey with [125I]tetanus toxin BIIb fragment. Büttner-Ennever JA, et al. **Neurosci Lett** 1981 Nov 4; 26(3):233–8

Postsynaptic action by four antidepressive drugs in an animal model of depression. Nagayama H, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):125–30

Alterations of synaptic high and low affinity opiate binding sites after acute and chronic morphine administration in mice. Sivam SP, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):119–27

[Cyclic AMP- and Ca-dependent phosphorylation of functionally significant proteins in presynaptic structures] Glebov RN. **Usp Sovrem Biol** 1981 May-Jun;91(3):433–50 (119 ref.) **(Rus)**

PATHOLOGY

[Heterogenous distribution of filamentous-tubular substance in the pathological synapses and axons of the central

nervous system] Sotnikov OS, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):91-5 **(Rus)**

PHYSIOLOGY

Effect of cooling on latency of monosynaptic discharges evoked in motoneurons of the frog. Tegzes-Dezsö G, et al. **Acta Biochim Biophys Acad Sci Hung** 1981; 16(1-2):95-100

Synaptic inputs on a bimodal pacemaker neuron in Helix pomatia L. Salánki J, et al. **Acta Physiol Acad Sci Hung** 1981;57(4):355-64

Changes in the character of the postsynaptic potentials of the fundic smooth-muscle cells after functional loading. Bayguinov O, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(1):3-10

Monosynaptic transmission during epileptiform activity induced by penicillin in hippocampal slices in vitro. Gjerstad L, et al. **Acta Physiol Scand** 1981;113(3):355-62

Brain plasticity: the themes and case studies of neuro-biophysics. Tsukahara N. **Adv Biophys (Tokyo)** 1982; 15:131-72 (60 ref.)

Transneuronal vestibular afferent influence on the nodular molecular layer synaptogenesis. Fritzsch B. **Anat Embryol (Berl)** 1981;162(2):199-208

System diseases and visual evoked potential diagnosis in neurology: changes due to synaptic malfunction. Bodis-Wollner I, et al. **Ann NY Acad Sci** 1982;388:327-48

The synapse: from electrical to chemical transmission. Eccles JC. **Annu Rev Neurosci** 1982;5:325-39

Brain function, synapse renewal, and plasticity. Cotman CW, et al. **Annu Rev Psychol** 1982;33:371-401

L-Glutamate effects on electrical potentials of synaptic plasma membrane vesicles. Chang HH, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):285-94

Chronic exposure to a 60-Hz electric field: effects on synaptic transmission and peripheral nerve function in the rat. Jaffe RA, et al. **Bioelectromagnetics** 1980;1(2):131-47

A microcomputer system for the data acquisition and quantitative analysis of synaptic relationships in the central nervous system. Albright BC, et al. **Biomed Sci Instrum** 1981;17:21-6

Voltage independence of an electrotonic synapse. Johnston MF, et al. **Biophys J** 1982 Jul;39(1):115-7

Effects of rectification on synaptic efficacy. Joyner RW, et al. **Biophys J** 1982 Apr;38(1):39-46

Electrical signs of an oligosynaptic visual projection to the rat hippocampus. Vastola EF. **Brain Behav Evol** 1982; 20(1-2):1-18

Electrophysiological analysis of synaptic distribution in CA1 of rat hippocampus after chronic ethanol exposure. Abraham WC, et al. **Brain Res** 1982 Apr 8;237(1):91-105

Monosynaptic excitation of principal cells in the lateral geniculate nucleus by corticofugal fibers. Ahlsen G, et al. **Brain Res** 1982 Feb 25;234(2):454-8

Synaptic and non-synaptic components of the dorsal horn potential in isolated hamster spinal cord. Bagust J, et al. **Brain Res** 1982 Feb 4;233(1):186-94

Intracellular recordings from crustacean motor axons during presynaptic inhibition. Baxter DA, et al. **Brain Res** 1981 Nov 2;223(2):422-8

Miniature synaptic potentials absent from motoneurons of intact spinal cord. Blight AR, et al. **Brain Res** 1982 Apr 22;238(1):228-32

Plasticity of the parallel fiber-Purkinje cell synapse by spine takeover and new synapse formation in the adult rat. Chen S, et al. **Brain Res** 1982 May 27;240(2):205-20

The effects of chlordiazepoxide on synaptic transmission and amino acid neurotransmitter release in slices of rat olfactory cortex. Collins GG. **Brain Res** 1981 Nov 16;224(2):389-404

Selective innervation of target regions within fetal mouse spinal cord and medulla explants by isolated dorsal root ganglia in organotypic co-cultures. Crain SM, et al. **Brain Res** 1981 Oct;254(3):341-62

Inhibitory modulation of long-term potentiation: evidence for a postsynaptic locus of control. Douglas RM, et al. **Brain Res** 1982 May 27;240(2):259-72

Synaptic organization in the pacemaker nucleus of a medium-frequency weakly electric fish, Eigenmannia sp. Elekes K, et al. **Brain Res** 1982 Apr 15;237(2):267-81

Establishment of normal synaptic density in deafferented olfactory cortex. Friedman B, et al. **Brain Res** 1981 Oct 26;223(1):146-51

The presynaptic effects of valproic acid in the isolated frog spinal cord. Hackman JC, et al. **Brain Res** 1981 Sep 14; 220(2):269-85

A new type of lesion-induced synaptogenesis: II. The effect of aging on synaptic turnover in non-denervated zones. Hoff SF, et al. **Brain Res** 1981 Oct 5;222(1):15-27

A new type of lesion-induced synaptogenesis: I. Synaptic turnover in non-denervated zones of the dentate gyrus in young adult rats. Hoff SF, et al. **Brain Res** 1981 Oct 5; 222(1):1-13

Neuronal plasticity: how changes in dendritic architecture can affect the spread of postsynaptic potentials. Horwitz B. **Brain Res** 1981 Nov 16;224(2):412-8

Synaptogenesis in chick paravertebral sympathetic ganglia: a morphometric analysis. Hruschak KA, et al. **Brain Res** 1982 Jun;256(2):229-40

Posttraining changes in excitability of the commissural path-CA1 pyramidal cell synapse in the hippocampus of mice. Jaffard R, et al. **Brain Res** 1981 Sep 7;220(1):167-72

Ganglion cells and (dye-coupled) amacrine cells in the turtle retina that have possible synaptic connection. Jensen RJ, et al. **Brain Res** 1982 May 20;240(1):146-50

Axolemmal infoldings bind calcium in nerve endings of the stimulated neocortex. Joó F, et al. **Brain Res** 1981 Nov 16;224(2):426-30

Alteration of the electrophysiological activity in sympathetic ganglia infected with a neurotropic virus. I. Presynaptic origin of the spontaneous bioelectric activity. Kiraly M, et al. **Brain Res** 1982 May 20;240(1):43-54

Synaptic basis of orbital cortically induced rhythmical masticatory activity of trigeminal motoneurons in immobilized cats. Kubo Y, et al. **Brain Res** 1981 Dec 28; 230(1-2):97-110

Synaptic organization of inhibitory pathways to principal cells in the lateral geniculate nucleus of the cat. Lindström S. **Brain Res** 1982 Feb 25;234(2):447-53

Synaptic organization of the lateral geniculate nucleus of the rabbit: lack of feed-forward inhibition. Lo FS. **Brain Res** 1981 Sep 28;221(2):387-92

Periodic fluctations in synaptic transmission and enhancement of transmission in hippocampal slices. Low WC, et al. **Brain Res** 1982 Jan 14;231(2):438-43

Antidromic inhibition of acetylcholine release from presynaptic nerve terminals in bullfrog's sympathetic ganglia. Miyagawa M, et al. **Brain Res** 1981 Nov 16; 224(2):305-13

Stimulation of pre- and postsynaptic dopamine receptors by an ergoline and b, partial ergoline. Rabey JM, et al. **Brain Res** 1981 Nov 30;225(2):347-56

Sprouting and synapse formation by motor axons separated from their cell bodies. Rotshenker S. **Brain Res** 1981 Oct 26;223(1):141-5

A multiaction synapse evoking both EPSPs and enhancement of endogenous bursting. Russell DF, et al. **Brain Res** 1981 Oct 26;223(1):19-38

Synaptic feedback onto photoreceptors in the ocellar retina. Stone SL, et al. **Brain Res** 1981 Sep 28;221(2):374-81

Lingually induced inhibitory postsynaptic potentials in hypoglossal motoneurons after axotomy. Takata M. **Brain Res** 1981 Nov 9;224(1):165-9

The properties of excitatory postsynaptic potentials evoked in trigeminal motoneurons by trigeminal nerve stimulation. Takata M, et al. **Brain Res** 1982 Jun 3;241(1):171-5

The effect of diamide on transmitter release and on synaptic vesicle population at vertebrate synapses. Wade PD, et al. **Brain Res** 1981 Nov 30;225(2):357-72

Changes in the hippocampal slices energy metabolism following stimulation and long-term potentiation of Schaffer collaterals-pyramidal cell synapses tested with the 2-deoxyglucose technique. Wieraszko A. **Brain Res** 1982 Apr 15;237(2):449-57

Long-term synaptic enhancement in hippocampus is not regulated by postsynaptic membrane potential. Wigström H, et al. **Brain Res** 1982 Feb 4;233(1):195-9

Simulation of post-synaptic activities in hippocampal cells during theta rhythm. Fuentes J, et al. **Brain Res Bull** 1981 Aug;7(2):157-62

Synaptic inputs and action potentials of magnocellular neuropeptidergic cells: intracellular recording and staining in slices of rat hypothalamus. MacVicar BA, et al. **Brain Res Bull** 1982 Jan;8(1):87-93

Synaptic transmission in suprasylvian visual cortex is reduced by excitatory amino acid antagonists. Hicks TP, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):893-6

Modulation of synapse RC1-R15 of Aplysia californica by fiber(s) of the right connective. Tremblay JP, et al. **Can J Physiol Pharmacol** 1982 May;60(5):685-97

Comparison of fast and slow synaptic terminals in lobster muscle. Hill RH, et al. **Cell Tissue Res** 1981;221(2):303-10

Morphological studies on neuroglia. V. Microglial cells in the cerebral cortex of the rat, with special reference to their possible involvement in synaptic function. Murabe Y, et al. **Cell Tissue Res** 1982;223(3):493-506

Regulation of synaptic connections in the rabbit ciliary ganglion. Purves D, et al. **Ciba Found Symp** 1980 Oct; (83):232-51

Peripheral synapses in Limulus chemoreceptors. Hayes WF, et al. **Comp Biochem Physiol [A]** 1982;72(2):287-93

Proliferation and relocation of developing lobster neuromuscular synapses. Govind CK, et al. **Dev Biol** 1982 Mar;90(1):67-78

Development and aging of cholinergic synapses. VI. Mechanisms of acetylcholine biosynthesis in the chick iris. Marchi M, et al. **Dev Neurosci** 1981;4(6):442-50

Delays in growth and biochemical development of rat brain caused by maternal methadone administration: are the alterations in synaptogenesis and cellular maturation independent of reduced maternal food intake? Seidler FJ, et al. **Dev Neurosci** 1982;5(1):13-8

Evidence against transmitter function of met-enkephalin and chemosynaptic impulse generation in 'Merkel cell' mechanoreceptors. Gottschaldt KM, et al. **Exp Brain Res** 1982;45(3):459-63

Supraspinal facilitation of cutaneous polysynaptic EPSPs in cat medical gastrocnemius motoneurons. Pinter MJ, et al. **Exp Brain Res** 1982;45(1-2):133-43

Formation of functional synapses in the adult cat red nucleus from the cerebrum following cross-innervating of forelimb flexor and extensor nerves. I. Appearance of new synaptic potentials. Tsukahara N, et al. **Exp Brain Res** 1982; 45(1-2):1-12

Quantal analysis of excitatory postsynaptic potentials induced in hippocampal neurons by activation of granule cells. Yamamoto C. **Exp Brain Res** 1982;46(2):170-6

Discharge pattern of reticular formation unit pairs in waking and REM sleep. Siegel JM, et al. **Exp Neurol** 1981 Dec; 74(3):875-91

Inhibitory postsynaptic potentials evoked in hypoglossal motoneurons by lingual nerve stimulation. Takata M. **Exp Neurol** 1982 Jan;75(1):103-11

Amino acids as central synaptic transmitters or modulators in mammalian thermoregulation. Bligh J. **Fed Proc** 1981 Nov;40(13):2746-9

Calmodulin in neurotransmitter release and synaptic function. DeLorenzo RJ. **Fed Proc** 1982 May;41(7):2265-72

Mechanisms of synaptic modulation. Shain W, et al. **Int Rev Neurobiol** 1981;22:205-50 (254 ref.)

Synaptic interactions in the enteric plexuses. Wood JD. **J Auton Nerv Syst** 1981 Jul;4(2):121-33

Quantitative study of synapse formation in the duck olfactory bulb. Rebiere A, et al. **J Comp Neurol** 1981 Nov 20; 203(1):103-20

Morphologically distinct classes of inhibitory synapses arise from the same neurons: ultrastructural identification from crossed vestibular interneurons intracellularly stained with HRP. Triller A, et al. **J Comp Neurol** 1981 Nov 20; 203(1):131-55

Properties of synapses made by IVN command-interneurones in the stomatogastric ganglion of the spiny lobster Panulirus interruptus. Sigvardt KA, et al. **J Exp Biol** 1982 Apr; 97:153-68

Synaptic mechanisms that generate network oscillations in the absence of discrete postsynaptic potentials. Anderson WW, et al. **J Exp Zool** 1981 Apr;216(1):187-91

Influx of calcium, strontium, and barium in presynaptic nerve endings. Nachshen DA, et al. **J Gen Physiol** 1982 Jun; 79(6):1065-87

Types of neurons and synaptic connections at hypostome-tentacle junctions in Hydra. Kinnamon JC, et al. **J Morphol** 1982 Jul;173(1):119-28

Pacemaking mechanism of the afterdischarge of the ovulation hormone-producing caudo-dorsal cells in the gastropod mollusc Lymnaea stagnalis. Kits KS, et al. **J Neurobiol** 1981 Sep;12(5):425-39

Characterization of the synaptic actions of an interneuron in the central nervous system of Tritonia. Snow RW. **J Neurobiol** 1982 May;13(3):251-66

Effects of fetal methylazoxymethanol acetate lesion on the synaptic neurochemistry of the adult rat striatum. Beaulieu M, et al. **J Neurochem** 1981 Oct;37(4):878-87

Biochemical and electrophysiological demonstrations of the actions of beta-bungarotoxin on synapses in brain. Halliwell JV, et al. **J Neurochem** 1982 Aug;39(2):543-50

Rate and duration of stimulation determine presynaptic effects of haloperidol on dopaminergic neurons. Hoffmann IS, et al. **J Neurochem** 1982 Aug;39(2):585-8

Effects of cyclic AMP analogues and phosphodiesterase inhibitors on K+-induced [3H]noradrenaline release from rat brain slices and on its presynaptic alpha-adrenergic modulation. Wemer J, et al. **J Neurochem** 1982 Aug; 39(2):349-56

Cerebral synaptic transmission during anoxia is protected by creatine. Whittingham TS, et al. **J Neurochem** 1981 Dec; 37(6):1618-21

Ultrastructural observations on synapse elimination in neonatal rabbit skeletal muscle. Bixby JL. **J Neurocytol** 1981 Feb;10(1):81-100

Morphometric synaptology of gracilo-diencephalic relay cells: an electron microscopic study in the cat using retrograde transport of horseradish peroxidase. Blomqvist A. **J Neurocytol** 1981 Aug;10(4):709-24

Synaptogenesis in the first optic neuropile of the fly's visual system. Fröhlich A, et al. **J Neurocytol** 1982 Feb; 11(1):159-80

Effect of denervation on 'synaptic' ribbon populations in the rat pineal gland. King TS, et al. **J Neurocytol** 1982 Feb; 11(1):19-28

Synaptic proliferation in the auditory cortex of the young adult rat following callosal lesions. Vaughan DW, et al. **J Neurocytol** 1982 Feb;11(1):29-51

A quantitative study of thalamocortical and other synapses involving the apical dendrites of corticothalamic projection cells in mouse SmI cortex. White EL, et al. **J Neurocytol** 1982 Feb;11(1):137-57

Synaptic regeneration and glial reactions in the transected spinal cord of the lamprey. Wood MR, et al. **J Neurocytol** 1981 Feb;10(1):57-79

Pattern of segmental monosynaptic input to cat dorsal neck motoneurons. Brink EE, et al. **J Neurophysiol** 1981 Sep; 46(3):496-505

Identification of interneurons with contralateral, caudal axons in the lamprey spinal cord: synaptic interactions and morphology. Buchanan JT. **J Neurophysiol** 1982 May; 47(5):961-75

Electrophysiological characterization of remote chemical synapses. Carnevale NT, et al. **J Neurophysiol** 1982 Apr; 47(4):606-21

Distributions of EPSP latency at different group Ia-fiber-alpha-motoneuron connections. Cope TC, et al. **J Neurophysiol** 1982 Mar;47(3):469-78

Parallel fluctuations of EPSP amplitude and rise time with latency at single Ia-fiber-motoneuron connections in the cat. Cope TC, et al. **J Neurophysiol** 1982 Mar;47(3):455-68

Regeneration of specific neuromuscular connections in the

crayfish. I. Pattern of connections and synaptic strength. Ely P, et al. **J Neurophysiol** 1982 Apr;47(4):656–65
Membrane potential, synaptic activity, and excitability of hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Oct;46(4):839–54
Group I excitatory and inhibitory potentials in hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Nov;46(5):1089–101
Motor organization of Tritonia swimming. II. Synaptic drive to flexion neurons from premotor interneurons. Hume RI, et al. **J Neurophysiol** 1982 Jan;47(1):75–90
Convergence of parallel sensory channels on crayfish claw motor neurons. Changing firing probabilities and synaptic effects of simultaneously monitored proprioceptors. Lindsey BG, et al. **J Neurophysiol** 1982 Jun;47(6):1144–59
Synaptic efficacy and EPSP summation in granule cells of rat fascia dentata studied in vitro. McNaughton BL, et al. **J Neurophysiol** 1981 Nov;46(5):952–66
Comparison of response of properties of three types of monosynaptic S-cell in cat striate cortex. Mustari MJ, et al. **J Neurophysiol** 1982 Mar;47(3):439–54
Blockade of synaptic inhibition reveals long-lasting synaptic excitation in isolated turtle olfactory bulb. Nowycky MC, et al. **J Neurophysiol** 1981 Sep;46(3):649–58
GABAergic mechanisms of dendrodendritic synapses in isolated turtle olfactory bulb. Nowycky MC, et al. **J Neurophysiol** 1981 Sep;46(3):639–48
Presynaptic depolarization of terminals of rubrospinal tract fibers in intermediate nucleus of cat spinal cord. Rudomin P, et al. **J Neurophysiol** 1981 Sep;46(3):517–31
Mechanisms involved in presynaptic depolarization of group I and rubrospinal fibers in cat spinal cord. Rudomin P, et al. **J Neurophysiol** 1981 Sep;46(3):532–48
Convergent cholinergic neurons produce similar postsynaptic actions in Aplysia: implications for neural organization. Segal MM, et al. **J Neurophysiol** 1982 Apr;47(4):742–59
Postsynaptic localization of alpha 2-adrenergic receptors in rat submandibular gland. Bylund DB, et al. **J Neurosci** 1981 Sep;1(9):1003–7
Quantitative histochemical effects of whisker damage on single identified cortical barrels in the adult mouse. Dietrich WD, et al. **J Neurosci** 1981 Sep;1(9):929–35
Depolarization-induced synaptic plasticity at cholinergic synapses in tissue culture. Fishman MC, et al. **J Neurosci** 1981 Sep;1(9):1043–51
Morphology and synaptic connections of ultrafine primary axons in lamina I of the spinal dorsal horn: candidates for the terminal axonal arbors of primary neurons with unmyelinated (C) axons. Gobel S, et al. **J Neurosci** 1981 Oct;1(10):1163–79
Cerebral compensation for chronic noradrenergic denervation induced by locus ceruleus lesion: recovery of receptor binding, isoproterenol-induced adenylate cyclase activity, and oxidative metabolism. Harik SI, et al. **J Neurosci** 1981 Jun;1(6):641–9
Ribbon synapses in the developing intact and cultured organ of Corti in the mouse. Sobkowicz HM, et al. **J Neurosci** 1982 Jul;2(7):942–57
Trans-synaptic modulation of histamine H-1 receptor development in rat brain. Subramanian N, et al. **J Neurosci** 1981 Jun;1(6):674–8
Presynaptic inhibitory effect of acetylcholine in the hippocampus. Valentino RJ, et al. **J Neurosci** 1981 Jul; 1(7):784–92
Advantages of the triangularis sterni muscle of the mouse for investigations of synaptic phenomena. McArdle JJ, et al. **J Neurosci Methods** 1981 Aug;4(2):109–15
Synaptic transmission within the central nervous system. Neatherlin JS, et al. **J Neurosurg Nurs** 1981 Jun;13(3):146–9
Maturation of sympathetic neurotransmission in the rat heart. VIII. Slowed development of noradrenergic synapses resulting from hypothyroidism. Lau C, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):629–36
Sustained synaptic input to ganglion cells of mudpuppy retina. Belgum JH, et al. **J Physiol (Lond)** 1982 May; 326:91–108
Role of presynaptic calcium ions and channels in synaptic facilitation and depression at the squid giant synapse. Charlton MP, et al. **J Physiol (Lond)** 1982 Feb;323:173–93
The effect of lesions in the neural crest on the formation of synaptic connexions in the embryonic chick spinal cord. Eide AL, et al. **J Physiol (Lond)** 1982 Mar;324:453–78
Synaptic organization of sensory and motor neurones innervating triceps brachii muscles in the bullfrog. Frank E, et al. **J Physiol (Lond)** 1982 Mar;324:479–94
Chemical transmission between individual Retzius and sensory neurones of the leech in culture. Fuchs PA, et al. **J Physiol (Lond)** 1982 Feb;323:195–210
Quantal analysis of a decremental response at hair cell–afferent fibre synapses in the goldfish sacculus. Furukawa T, et al. **J Physiol (Lond)** 1982 Jan;322:181–95
Post-tetanic potentiation and facilitation of synaptic potentials evoked in cat spinal motoneurones. Hirst GD, et al. **J Physiol (Lond)** 1981 Dec;321:97–109
Modifications to synaptic transmission at group Ia synapses on cat spinal motoneurones by 4-aminopyridine. Jack JJ, et al. **J Physiol (Lond)** 1981 Dec;321:111–26
The components of synaptic potentials evoked in cat spinal motoneurones by impulses in single group Ia afferents. Jack JJ, et al. **J Physiol (Lond)** 1981 Dec;321:65–96
Oligosynaptic excitation of motoneurones by impulses in group Ia muscle spindle afferents in the cat. Jankowska E, et al. **J Physiol (Lond)** 1981 Jul;316:411–25
Mediators of slow synaptic potentials in the myenteric plexus of the guinea-pig ileum. Johnson SM, et al. **J Physiol (Lond)** 1981 Nov;320:175–86
Long-term synaptic enhancement and short-term potentiation in rat fascia dentata act through different mechanisms. McNaughton BL. **J Physiol (Lond)** 1982 Mar; 324:249–62
Selective synapse formation during sprouting after partial denervation of the guinea-pig superior cervical ganglion. Maehlen J, et al. **J Physiol (Lond)** 1981;319:555–67
Electrophysiological analysis of inhibitory synaptic mechanisms in the preoptic area of the rat. Mayer ML. **J Physiol (Lond)** 1981 Jul;316:327–46
Analysis of synaptic potentials in mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Physiol (Lond)** 1981 May;314:295–309
Development of post-tetanic potentiation at identified inhibitory and excitatory synapses in Aplysia. Ohmori H. **J Physiol (Lond)** 1982 Jan;322:223–40
Functional maturation of motor nerve terminals in the avian iris: ultrastructure, transmitter metabolism and synaptic reliability. Pilar G, et al. **J Physiol (Lond)** 1981 Dec; 321:175–93
Calcium helps to send out signals [news] **Nature** 1981 Oct 15–21;293(5833):522–3
Long-term potentiation of the perforant path in vivo is associated with increased glutamate release. Dolphin AC, et al. **Nature** 1982 Jun 10;297(5866):496–8
Calcium and the control of synaptic strength by learning [news] Kandel ER. **Nature** 1981 Oct 29;293(5835):697–700
Functional synapses are established between ciliary ganglion neurones in dissociated cell culture. Margiotta JF, et al. **Nature** 1982 Mar 11;296(5853):152–4
Mechanisms of slow postsynaptic potentials [letter] Petersen OH. **Nature** 1981 Oct 29;293(5835):759–60
Differences in the kinetics of rod and cone synaptic transmission. Schnapf JL, et al. **Nature** 1982 Apr 29; 296(5860):862–4
Aneural muscle cell cultures make synaptic basal lamina components. Silberstein L, et al. **Nature** 1982 Jan 14; 295(5845):143–5
A mutation in Drosophila alters normal connectivity between two identified neurones. Thomas JB, et al. **Nature** 1982 Aug 12;298(5875):650–1
Alpha-receptor-mediated facilitation of somatosensory cortical neuronal responses to excitatory synaptic inputs and iontophoretically applied acetylcholine. Waterhouse BD, et al. **Neuropharmacology** 1981 Oct;20(10):907–20
Thalamocortical synapses with corticothalamic projection neurons in mouse SmI cortex: electron microscopic demonstration of a monosynaptic feedback loop. Hersch SM, et al. **Neurosci Lett** 1981 Jul 17;24(3):207–10
Presynaptic excitability changes induced in the solitary tract endings of laryngeal primary afferents by stimulation of nucleus raphe magnus and locus coeruleus. Lucier GE, et al. **Neurosci Lett** 1981 Nov 4;26(3):221–6
In vivo stimulation of a cholinergic synapse of the chick ciliary ganglion induces a reduction in the number of dense core vesicles. Philippe E, et al. **Neurosci Lett** 1981 Jul 17; 24(3):307–12
Maturation of synapses in chicken forebrain. Rostas JA, et al. **Neurosci Lett** 1981 Sep 25;25(3):299–304
A late increase in potassium conductance follows synaptic stimulation of granule neurons of the dentate gyrus. Thalmann RH, et al. **Neurosci Lett** 1982 Apr 26;29(3):243–8
Two types of synaptic facilitation recorded in pyramidal cells of in vitro hippocampal slices from guinea pigs. Wigström H, et al. **Neurosci Lett** 1981 Oct;26(1):73–8
Do opioid peptides mediate a presynaptic control of C-fibre transmission in the rat spinal cord? Woolf CJ, et al. **Neurosci Lett** 1982 Mar 17;29(1):67–72
Fast axonal transport. its role in synaptic function and intercellular communication. Kreutzberg GW. **Neurosci Res Program Bull** 1981 Oct;20(1):107–9
Slow synaptic potentials in AH-type myenteric plexus neurons. Hodgkiss JP. **Pflugers Arch** 1981 Oct;391(4):331–3
Transmission by presynaptic spike-like depolarization in the squid giant synapse. Llinás R, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2415–9
Simultaneous characterization of pre- and postsynaptic neuron contact sites in brain. Palkovits M, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2705–8
Plasticity of synaptic size with constancy of total synaptic contact area on Purkinje cells in the cerebellum. Hillman DE, et al. **Prog Clin Biol Res** 1981;59A:229–45
Acetylcholine as modulator of amino-acid-mediated synaptic transmission. Krnjević K. **Prog Clin Biol Res** 1981; 68:127–41 (66 ref.)
Quantitation of developing and adult synapses. Vrensen G, et al. **Prog Clin Biol Res** 1981;59A:199–215
The role of adenosine and its nucleotides in central synaptic transmission. Phillis JW, et al. **Prog Neurobiol** 1981; 16(3–4):187–239 (338 ref.)
An unusual synaptic response mediated by a serotonin neurone. Cottrell GA. **Q J Exp Physiol** 1981 Oct; 66(4):475–85
Physiological role of a slow, voltage-sensitive, synaptic response mediated by an identified serotonin-containing neurone. Cottrell GA. **Q J Exp Physiol** 1982 Jan; 67(1):179–83
Relative muscarinic synaptic activation by anionic, neutral or cationic liposomes. Ritter C, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec;34(3):441–9
Calcium antagonism of anionic liposome actions at a muscarinic synapse. Ritter C, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec;34(3):451–9
Long-term synaptic potentiation in the superior cervical ganglion. Brown TH, et al. **Science** 1982 Mar 12; 215(4538):1411–3
Synapses between neurons regenerate accurately after destruction of ensheathing glial cells in the leech. Elliot EJ, et al. **Science** 1982 Mar 5;215(4537):1260–1
Modulation of parallel fiber excitability by postsynaptically mediated changes in extracellular potassium. Malenka RC, et al. **Science** 1981 Oct 16;214(4518):339–41
Extracellular potassium ions mediate specific neuronal interaction. Yarom Y, et al. **Science** 1982 Apr 2; 216(4541):80–2
Synergism of the two subunits of crotoxin. Bon C. **Toxicon** 1982;20(1):105–9
Hydrostatic pressure reduces synaptic efficiency by inhibiting transmitter release. Parmentier JL, et al. **Undersea Biomed Res** 1981 Sep;8(3):175–83
[Quantitative relation between the spectral density of spontaneous bioelectric activity and the excitability of commissural synapses of the CA1 area of the dorsal hippocampus of conscious mice] Jeantet Y, et al. **C R Seances Acad Sci [III]** 1981 Nov 9;293(9):545–8 (Eng. Abstr.) **(Fre)**
[Action of piribedil on synaptic transmission in the cockroach central nervous system (Periplaneta americana L.) (author's transl)] Hue B, et al. **J Pharmacol** 1981 Nov–Dec; 12(4):455–63 (Eng. Abstr.) **(Fre)**
[Presynaptic receptors and modulation of neurotransmitter release] Langer SZ. **J Pharmacol** 1982;13 Suppl 1:45–52 (33 ref.) **(Fre)**
[Membrane potential, spike activity and oxygen tension on the surface of Retzius neurons upon synaptic activation] Merkulova OS, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):350–4 (Eng. Abstr.) **(Rus)**
[Role of adrenoreceptors in regulating the efficiency of adrenergic synaptic transmission] Bazian AS. **Usp Sovrem Biol** 1981 Jul–Aug;92(1):115–26 (71 ref.) **(Rus)**

ULTRASTRUCTURE

Synaptic reorganization in the rabbit hippocampus after lesion of commissural afferents. Frotscher M, et al. **Anat Embryol (Berl)** 1981;163(1):15–30
Axoglial synaptoid contacts in the neural lobe of the human fetus. Okado N, et al. **Anat Rec** 1982 Jan;202(1):117–24
A transsynaptic autoradiographic study of the pathways controlling the extraocular eye muscles, using [125I]B–IIb tetanus toxin fragment. Büttner-Ennever JA, et al. **Ann NY Acad Sci** 1981;374:157–70
Quantitative ultrastructural changes in rat cortical synapses during early-, mid- and late-adulthood. Adams I, et al. **Brain Res** 1982 May 13;239(2):349–63
Ultrastructure of a histaminergic synapses in Aplysia. Bailey CH, et al. **Brain Res** 1982 Apr 22;238(1):205–10
Demonstration of synaptic input from prefrontal cortex to the habenula in the rat. Greatrex RM, et al. **Brain Res** 1982 Apr 22;238(1):192–7
A morphometric study of cultured rat cerebral synapses exposed to different cationic media. Janka Z, et al. **Brain Res** 1982 Jun 10;241(2):215–25
An ultrastructural study of the synaptic contacts of alpha 1-motoneuron axon collaterals. II. Contacts in lamina VII. Lagerbäck PA, et al. **Brain Res** 1981 Oct 5;222(1):29–41
Fine structure of spinocervical tract neurones and the synaptic boutons in contact with them. Maxwell DJ, et al. **Brain Res** 1982 Feb 11;233(2):394–9
Vestibular axons form synapses on abnormally derived Mauthner cells. Model PG, et al. **Brain Res** 1982 Jan; 255(1):123–9
The role of the noradrenergic system on the formation of synapses in the visual cortex of the rat. Parnavelas JG, et al. **Brain Res** 1982 Jan;255(1):140–4
Cochlear synaptogenesis after sectioning the efferent bundle. Pujol R, et al. **Brain Res** 1982 Jan;255(1):151–4
Nerve outgrowth, synaptogenesis and bioelectric activity in fetal rat cerebral cortex tissue cultured in serum-free, chemically defined medium. Romijn HJ, et al. **Brain Res** 1981 Nov;254(4):583–9
Presynaptic bodies in outer hair cells of the chinchilla organ of Corti. Siegel JH, et al. **Brain Res** 1981 Sep 7; 220(1):183–93
Observations on the synaptology of intracellularly injected spinothalamic tract neurons in the cat. Snow PJ, et al. **Brain Res** 1981 Dec 21;229(2):491–5
Electron microscopic observations of axon collateral synaptic endings of cat oculomotor motoneurons stained by intracellular injection of horseradish peroxidase. Spencer RF, et al. **Brain Res** 1982 Feb 25;234(2):423–9
Changes in size and shape of synaptic connections after visual training: an ultrastructural approach of synaptic plasticity. Vrensen G, et al. **Brain Res** 1981 Aug 10;218(1–2):79–97
Synaptic contact curvature: effects of differential rearing on rat occipital cortex. Wesa JM, et al. **Brain Res** 1982 Jun; 256(2):253–7
Morphological identification of axo-axonic and dendro-dendritic synapses in the rat substantia gelatinosa. Zhu CG, et al. **Brain Res** 1981 Dec 28;230(1–2):25–40

Neuronal and synaptic organization of the lateral geniculate nucleus of the tree shrew, Tupaia glis. Hajdu F, et al. **Cell Tissue Res** 1982;224(1):207–23

Electron microscopic study of immunoreactive LHRH perikarya with special reference to neuronal regulation. Hisano S, et al. **Cell Tissue Res** 1981;220(3):511–8

The ultrastructure of synapses in the brain of Gastrocotyle trachuri (Monogenea, Platyhelminthes). Shaw MK. **Cell Tissue Res** 1981;220(1):181–9

Free postsynaptic sites in the lateral geniculate nucleus of adult cats following chronic decortication. Somogyi J, et al. **Cell Tissue Res** 1982 Jul;225(2):437–42

Synaptic parameters in developing rat cerebral cortex: comparison of anaesthetized and unanaesthetized states. Devon RM, et al. **Dev Neurosci** 1981;4(5):351–62

'Synaptic' ribbons and spherules of the rat pineal gland: day/night changes in vitro? Karasek M, et al. **Exp Brain Res** 1982;46(2):205–8

Rat occipital cortical synapses after ovariectomy. Medosch CM, et al. **Exp Neurol** 1982 Jan;75(1):120–33

A stereological evaluation of synaptic diversity on spinal motoneurons in the rat. Momoh CK, et al. **Experientia** 1982 Jun 15;38(6):694–5

Cytoskeletal organization at the postsynaptic complex. Gulley RL, et al. **J Cell Biol** 1981 Oct;91(1):298–302

Synaptogenesis and its relation to growth of the postsynaptic cell: a quantitative study of the developing Mauthner neuron of the axolotl. Jacoby J, et al. **J Comp Neurol** 1982 Feb 1;204(4):364–76

Regulation in the number of fly photoreceptor synapses: the effects of alterations in the number of presynaptic cells. Nicol D, et al. **J Comp Neurol** 1982 May 1;207(1):45–60

An analysis of the number and composition of the synaptic populations formed by photoreceptors of the fly. Nicol D, et al. **J Comp Neurol** 1982 May 1;207(1):29–44

Development of axosomatic synapses of the Xenopus spinal cord with special reference to subsurface cisterns and C-type synapses. Watanabe H. **J Comp Neurol** 1981 Aug 10;200(3):323–8

The ultrastructure of identified locust motor neurones and their synaptic relationships. Watson AH, et al. **J Comp Neurol** 1982 Mar 10;205(4):383–97

Structure of the subsynaptic sarcoplasm in the interfolds of the frog neuromuscular junction. Couteaux R. **J Neurocytol** 1981 Dec;10(6):947–62

Differentiation of identifiable lobster neuromuscular synapses during development. Govind CK, et al. **J Neurocytol** 1982 Apr;11(2):235–47

Fine structural study of the abdominal muscle receptor organs of the crayfish (Procambarus clarkii). Sensory endings and synaptic structures. Komuro T. **J Neurocytol** 1981 Feb;10(1):27–43

Regularity and differentiation within the structure of brain postsynaptic densities. Matus A, et al. **J Neurocytol** 1981 Dec;10(6):889–96

A freeze-fracture study of synaptogenesis in the distal retina of larval Xenopus. Nagy AR, et al. **J Neurocytol** 1981 Dec; 10(6):897–919

Large dense-core vesicle exocytosis and membrane recycling in the mossy fibre synapses of the rabbit hippocampus during epileptiform seizures. Nitsch C, et al. **J Neurocytol** 1981 Apr;10(2):201–9

Direct demonstration of transsynaptic degeneration in the human visual system: a comparison of retrograde and anterograde changes. Beatty RM, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):143–6

Light microscopic analysis of contacts between pairs of identified leech neurons with combined use of horseradish peroxidase and lucifer yellow. DeRiemer SA, et al. **J Neurosci** 1981 Jun;1(6):650–7

A restructuring off hypothalamic synapses is associated with motherhood. Hatton JD, et al. **J Neurosci** 1982 Jun; 2(6):704–7

The giant serotonergic neuron of Aplysia: a multi-targeted nerve cell. Schwartz JH, et al. **J Neurosci** 1981 Jun; 1(6):606–19

Bouton renewal patterns in rat hindlimb cortex after thoracic dorsal funicular lesions. Ganchrow D, et al. **J Neurosci Res** 1981;6(4):525–37

Synaptogenetic mechanisms during chick cerebellar cortex development. Palacios-Prü EL, et al. **J Submicrosc Cytol** 1981 Apr;13(2):145–67

Geometry of neonatal neurones and the regulation of synapse elimination. Hume RI, et al. **Nature** 1981 Oct 8; 293(5832):469–71

Effect of androgen on sexual differentiation of synaptic organization in the hypothalamic arcuate nucleus: an ontogenetic study. Matsumoto A, et al. **Neuroendocrinology** 1981 Sep;33(3):166–9

Synaptic organization of individual layers in area 4 of the cerebral cortex of the cat. Rybakov VL. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):500–4

Synaptic organization in the olivary pretectal nucleus of the adult rat. Campbell G, et al. **Neurosci Lett** 1982 Feb 12; 28(2):151–5

Sexual dimorphisms of axo-spine synapses and postsynaptic density material in the suprachiasmatic nucleus of the rat. Güldner FH. **Neurosci Lett** 1982 Feb 12;28(2):145–50

Boutons originating from the same axon do not participate equally in synaptic transmission. Laurie RE, et al. **Neurosci Lett** 1982 Apr 16;29(2):135–40

Synaptic terminals from an identified motoneuron in locust muscle: comparison between first instar larva and adult. Walther C. **Neurosci Lett** 1981 Dec 23;27(3):237–42

Presynaptic microtubules: organisation and assembly/disassembly. Gordon-Weeks PR, et al. **Neuroscience** 1982 Mar;7(3):739–49

Synaptogenesis in mouse cerebellum: a comparative in vivo and tissue culture study. Herndon RM, et al. **Neuroscience** 1981;6(12):2587–98

Synaptic terminals in the dorsal lateral geniculate nucleus from neurons of the thalamic reticular nucleus: a light and electron microscope autoradiographic study. Montero VM, et al. **Neuroscience** 1981;6(12):2561–77

An ultrastructural study of the development of synaptic endings in the nucleus vestibularis tangentialis of the chick embryo. Peusner KD. **Neuroscience** 1981;6(11):2335–50

Are the presynaptic membrane particles the calcium channels? Pumplin DW, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7210–3

Synaptic ultrastructure in unanesthetized and experimentally modified cerebral cortex. Jones DG. **Prog Clin Biol Res** 1981;59A:217–27

Are there noradrenergic synapses in Auerbach's plexus? Gordon-Weeks PR. **Scand J Gastroenterol [Suppl]** 1981; 70:181–2

[Ultrastructural differences in the morphology of the optic tectum of the carp (Cyprinus carpio) and rainbow trout (Salmo gairdneri) with special reference to the synapses] Choms A, et al. **J Hirnforsch** 1981;22(3):299–306 (Eng. Abstr.) **(Ger)**

[Quantitative morphologic examination of the vesicle population of mixed synapses--method and significance] Saballus R, et al. **J Hirnforsch** 1982;23(2):175–90 (Eng. Abstr.) **(Ger)**

[Asymmetrical gap junctions in the fish brain (author's transl)] Schuster T. **Z Mikrosk Anat Forsch** 1981; 95(3):353–68 (Eng. Abstr.) (Ger)

[Comparative study of the neuronal and synaptic organization of the tectum mesencephali in the Caspian (Clemmys caspica Gmel.) and pond (Emys orbicularis L.) tortoises] Davydova TV, et al. **Arkh Anat Gistol Embriol** 1981 Oct; 81(10):24–30 (Eng. Abstr.) **(Rus)**

[New data on the early synaptogenesis in the spinal cord of human embryo] Milokhin AA, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):95–8 **(Rus)**

[Plasticity of the neocortical synapses in the postresuscitation period] Semchenko VV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):9–11 **(Rus)**

[Ultrastructural of the neurons and synaptic architectonics of the central nucleus of the inferior colliculi in the cat brain] Lazriev IL. **Tsitologiia** 1981 Jul;23(7):767–72 (Eng. Abstr.) **(Rus)**

SYNAPTIC MEMBRANES

ANALYSIS

Gangliosides associated with microsomal subfractions of brain: comparison with synaptic plasma membranes. Skrivanek JA, et al. **J Neurobiol** 1982 Mar;13(2):95–106

Synaptic plasma membrane tubulin may be an integral constituent. Babitch JA. **J Neurochem** 1981 Dec; 37(6):1394–400

The characterization of tubulin in CNS membrane fractions. Strocchi P, et al. **J Neurochem** 1981 Nov;37(5):1295–307

Optimal concentration of iodonitrotetrazolium for the isolation of junctional fractions from rat brain. Nieto-Sampedro M, et al. **Neurochem Res** 1981 Mar; 6(3):307–20

Purification of the synaptic membrane glycoprotein D2 from rat brain. Rasmussen S, et al. **Scand J Immunol** 1982 Feb; 15(2):179–85

DRUG EFFECTS

Effects of ethanol and related drugs on the physical and functional properties of brain membranes. Harris RA, et al. **Curr Alcohol** 1981;8:461–8

The effect of tetrodotoxin on the synaptic and extrasynaptic membrane in frog skeletal muscle. Nasledov GA, et al. **Experientia** 1982 May 15;38(5):576–7

Differential effects of ascorbate and EDTA on high-affinity binding of 3H-apomorphine and 3H-ADTN to calf caudate membranes. Arana GW, et al. **Neuropharmacology** 1982 Jun;21(6):601–4

Actions of endotoxins on excitation-secretion coupling at the neural membrane. Person RJ. **Prog Clin Biol Res** 1981; 62:65–79

ENZYMOLOGY

The effects of development on activity, specificity and endogenous substrates of synaptic membrane sialidase. Cruz TF, et al. **Biochim Biophys Acta** 1981 Jul;675(2):201–8

Synaptosomal Na+,K+-ATPase as a membrane probe in studying the in vivo action of morphine. Wan-Kan O, et al. **Can J Biochem** 1981 Aug;59(8):687–92

Inhibitory effect of prostaglandin A2 on Na+-K+-ATPase activity in synaptic plasma membrane of rat brain in vitro. Shibata Y, et al. **Int J Biochem** 1982;14(5):347–50

Calcium-stimulated adenosine triphosphatases in synaptic membranes. Sorensen RG, et al. **J Neurochem** 1981 Dec; 37(6):1407–18

GTP, as well as ATP, can act as a substrate for the intrinsic protein kinase activity of synaptic plasma membranes. Weller M, et al. **Mol Cell Biochem** 1981 Oct 30;40(2):75–85

Effects of dopamine and dopamine-derived tetrahydroisoquinolines on Ca++-Mg++-ATPase. Ross DH, et al. **Prog Clin Biol Res** 1982;90:289–99

Na-K, adenosine triphosphatase activity in myelin, axoplasmic and synaptic plasma membranes isolated from rat brain: effect of ethanol. Levental M, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):493–506

Effects of beta-bungarotoxin and phospholipase A2 from Naja naja atra snake venom on ATPase activities of synaptic membranes from rat cerebral cortex. Lin-Shiau SY, et al. **Toxicon** 1982;20(2):409–17

METABOLISM

Identification of the acetylcholine receptor in different membrane species. Tarrab-Hazdai R. **Ann NY Acad Sci** 1981;377:20–37

Kidney neutral endopeptidase and the hydrolysis of enkephalin by synaptic membranes show similar sensitivity to inhibitors. Fulcher IS, et al. **Biochem J** 1982 May 1; 203(2):519–22

The incorporation in vitro of sulphate ions into synaptic-membrane glycoproteins. White CJ. **Biochem J** 1981 Nov 15;200(2):373–7

Intrinsic protein phosphorylation in synaptic plasma membrane fragments from the rat. General characteristics and migration behaviour on polyacrylamide gels of the main phosphate acceptors. Gower H, et al. **Biochim Biophys Acta** 1982 May 5;716(1):45–52

Stimulation of benzodiazepine binding to rat brain membranes and solubilized receptor complex by avermectin B1a and gamma-aminobutyric acid. Pong SS, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):143–50

L-glutamate and L-aspartate bind to separate sites in rat brain synaptic membranes. Foster AC, et al. **Brain Res** 1981 Dec 14;229(1):246–50

Chloride ions enhance L-glutamate binding to rat brain synaptic membranes. Mena EE, et al. **Brain Res** 1982 Jul 15;243(2):378–81

Regulation of GABA receptor binding to synaptic plasma membrane of rat cerebral cortex: the role of endogenous phospholipids. Toffano G, et al. **Brain Res** 1981 Oct 5; 222(1):95–102

Influence of morphine dependence on GABA-stimulated benzodiazepine binding to mouse brain synaptic membranes. Sivam SP, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):335–6

The effect of digestion with phospholipase C on intrinsic protein phosphorylation in synaptic plasma membrane fragments. Dösemeci A, et al. **FEBS Lett** 1982 Mar 8; 139(1):22–6

Proteolytic conversion of beta-endorphin by brain synaptic membranes. Characterization of generated beta-endorphin fragments and proposed metabolic pathway. Burbach JP, et al. **J Biol Chem** 1981 Dec 10;256(23):12463–9

L-glutamate stimulation of Na+ efflux from brain synaptic membrane vesicles. Chang HH, et al. **J Biol Chem** 1981 Oct 10;256(19):10084–7

Binding of beta-bungarotoxin to synaptic membrane fractions of chick brain. Rehm H, et al. **J Biol Chem** 1982 Sep 10; 257(17):10015–22

Use of phospholipase A to compare phospholipid organization in synaptic membranes, myelin, and liposomes. Butler M, et al. **J Membr Biol** 1982;66(1):1–7

Action of detergents and pre- and postsynaptic localization of 3H-naloxone binding in synaptosomal membranes. A structural approach. Criado M, et al. **J Neurobiol** 1981 May; 12(3):259–67

Inhibition of [3H]GABA binding to postsynaptic receptors in human cerebellar synaptic membranes by carboxyl and amino derivatives of GABA. Breckenridge RJ, et al. **J Neurochem** 1981 Oct;37(4):837–44

Heterogeneity of the S-100 protein specific binding sites in synaptosomal particulate fractions and subfractions. Donato R. **J Neurochem** 1982 Jul;39(1):117–24

The specific interaction of S-100 protein with synaptosomal particulate fractions. Modulation of binding by fractional occupancy of sites and by the physical state of membranes. Donato R. **J Neurochem** 1982 Jul;39(1):125–31

The binding of the GABA agonist [3H]THIP to rat brain synaptic membranes. Falch E, et al. **J Neurochem** 1982 Apr; 38(4):1123–9

Cysteine sulfinic acid in the central nervous system: specific binding of [35S]cysteic acid to cortical synaptic membranes--an investigation of possible binding sites for cysteine sulfinic acid. Iwata H, et al. **J Neurochem** 1982 May;38(5):1275–9

Binding of [3H]gamma-aminobutyric acid and [3H]muscimol in purified rat brain synaptic plasma membranes and the effects of bicuculline. Jordan CC, et al. **J Neurochem** 1982 Jul;39(1):52–8

Evidence that the synaptic phosphoprotein B-50 is localized exclusively in nerve tissue. Kristjansson GI, et al. **J Neurochem** 1982 Aug;39(2):371–8

Ontogenetic development of the striatal [3H]spiperone binding: regulation by sodium and guanine nucleotide in rats. Nomura Y, et al. **J Neurochem** 1982 Apr;38(4):902–8

High-affinity calcium binding in rat synaptosomal plasma membranes: decrease in young, genetically hypertensive rats. Nunez AM, et al. **J Neurochem** 1982 May;38(5):1342–7

Characterization of infant rat cerebral cortical membrane

proteins phosphorylated in vivo: identification of the ACTH-sensitive phosphoprotein B-50. Oestreicher AB, et al. **J Neurochem** 1982 Sep;39(3):683–92

Melittin stimulates incorporation and degradation of sphingomyelin in synaptosomal plasma membranes. Pellkofer R, et al. **J Neurochem** 1982 May;38(5):1230–5

Complex binding of L-[3H]glutamate to hippocampal synaptic membranes in the absence of sodium. Werling LL, et al. **J Neurochem** 1982 Apr;38(4):1050–62

Low affinity, adenosine 5'-triphosphate-dependent [3H]dopamine binding in synaptic membranes from bovine caudate is unrelated to dopamine-stimulated adenylate cyclase. Near JA, et al. **J Neurosci** 1982 May;2(5):553–61

A comparative study of avermectin B1a and other modulators of the gamma-aminobutyric acid receptor . chloride ion channel complex. Pong SS, et al. **J Neurosci** 1982 Jul; 2(7):966–71

Taurine binding to membranes from rat brain regions. López-Colomé AM, et al. **J Neurosci Res** 1981;6(4):475–85

Acute and chronic effects of pentobarbital in relation to postsynaptic GABA receptors: a study with muscimol. Sivam SP, et al. **J Neurosci Res** 1982;7(1):37–47

Evidence for a gamma-aminobutyric acid (GABA) mediation in the benzodiazepine inhibition of the release of Met5-enkephalin elicited by depolarization. Harsing LG Jr, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):616–20

The effect of acute opioid administration on the phosphorylation of rat striatal synaptic membrane proteins. Williams N, et al. **J Pharmacol Exp Ther** 1982 Feb; 220(2):278–86

Benzodiazepine receptors in rat brain: action of Triton X-100 and localization in relation to the synaptic region. Sábato UC, et al. **J Recept Res** 1981;2(2):119–33

The GABA postsynaptic membrane receptor–ionophore complex. Site of action of convulsant and anticonvulsant drugs. Olsen RW. **Mol Cell Biochem** 1981 Sep 25;39:261–79 (214 ref.)

Developmental changes in the fatty acids of synaptic membrane phospholipids: effect of protein malnutrition. Hitzemann R. **Neurochem Res** 1981 Sep;6(9):935–47

Endogenous inhibitors of Na+-independent [3H]GABA binding to crude synaptic membranes. Massotti M, et al. **Neurochem Res** 1981 May;6(5):551–65

Differential effects of metal ligands on synaptic membrane glutamate binding and uptake systems. Michaelis EK, et al. **Neurochem Res** 1982 Apr;7(4):423–36

Phospholipids and benzodiazepine recognition sites of brain synaptic membranes. Ueno E, et al. **Neuropharmacology** 1981 Dec;20(12A):1169–76

Comparison of [3H]clonidine and [3H]guanfacine binding to alpha 2 adrenoceptors in membranes from rat cerebral cortex. Summers RJ, et al. **Neurosci Lett** 1981 Aug 7; 25(1):31–6

Cholecystokinin octa- and tetrapeptide degradation by synaptic membranes. I. Evidence for competition with enkephalins for in vitro common degradation pathways. Deschodt-Lanckman M, et al. **Peptides (Fayetteville)** 1981; 2 Suppl 2:113–8

[Operator hypothesis in presynaptic membrane and vesicular hypothesis in synaptic vesicle (author's transl)] Ohsawa K. **Tanpakushitsu Kakusan Koso** 1982 Feb;27(3):466–74 (13 ref.) **(Jpn)**

[Comparative study of beta-adrenoreceptors of rat brain synaptic membranes] Aksentsev SL, et al. **Biofizika** 1982 Jan-Feb;27(1):156–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Variable homeoviscous responses of different brain membranes of thermally-acclimated goldfish. Cossins AR, et al. **Biochim Biophys Acta** 1982 May 7;687(2):303–9

Effects of 2-chloroadenosine on electric potentials in brain synaptic membrane vesicles. Michaelis ML, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):55–62

Effects of rectification on synaptic efficacy. Joyner RW, et al. **Biophys J** 1982 Apr;38(1):39–46

Membrane characteristics of visual cortical neurons in in vitro slices. Ogawa T, et al. **Brain Res** 1981 Dec 7; 226(1-2):315–9

Chloride and calcium ions reveal a pharmacologically distinct population of L-glutamate binding sites in synaptic membranes: correspondence between biochemical and electrophysiological data. Fagg GE, et al. **J Neurosci** 1982 Jul;2(7):958–65

Visualization at the mouse neuromuscular junction of a submembrane structure in common with Torpedo postsynaptic membranes. Sealock R. **J Neurosci** 1982 Jul; 2(7):918–23

Aneural muscle cell cultures make synaptic basal lamina components. Silberstein L, et al. **Nature** 1982 Jan 14; 295(5845):143–5

Ionic mechanisms of analog-code conversion in nerve-fiber membrane. Krylov BV, et al. **Neurosci Behav Physiol** 1981 Mar-Apr;11(2):202–5

Changes in input resistance of a cortical neuron and in threshold of stimulation of its electrically excitable membrane by a depolarizing current during habituation. Pivovarov AS, et al. **Neurosci Behav Physiol** 1981 Mar-Apr;11(2):141–50

The computation of simulated endplate potentials. Ginsborg BL, et al. **Proc R Soc Lond [Biol]** 1981 Oct 14; 213(1191):233–42

[Synaptic currents in smooth muscles] Ganitkevich VIa, et al. **Dokl Akad Nauk SSSR** 1982;263(4):1022–4 **(Rus)**

PHYSIOPATHOLOGY

Bicuculline: a convulsant with synaptic and nonsynaptic actions. Heyer EJ, et al. **Neurology (NY)** 1981 Nov; 31(11):1381–90

ULTRASTRUCTURE

Structural changes in alkaline-treated postsynaptic membranes from Torpedo marmorata are not due to lipid hydrolysis. Neugebauer DC, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):272–6

Effects of ouabain and electrical stimulation on the fine structure of nerve endings in the electric organ of Torpedo marmorata. Solsona C, et al. **Cell Tissue Res** 1981; 220(4):857–71

Cytoskeletal organization at the postsynaptic complex. Gulley RL, et al. **J Cell Biol** 1981 Oct;91(1):298–302

Nicotinic postsynaptic membranes from Torpedo: sidedness, permeability to macromolecules, and topography of major polypeptides. St. John PA, et al. **J Cell Biol** 1982 Feb; 92(2):333–42

Cytoplasmic surface structure in postsynaptic membranes from electric tissue visualized by tannic-acid-mediated negative contrasting. Sealock R. **J Cell Biol** 1982 Feb; 92(2):514–22

Internal and external differentiations of the postsynaptic membrane at the neuromuscular junction. Hirokawa N, et al. **J Neurocytol** 1982 Jun;11(3):487–510

A freeze-fracture study of photoreceptor presynaptic membranes during ribbon synapse formation. McLaughlin BJ, et al. **J Neurocytol** 1981 Apr;10(2):183–99

Membrane structures and physiology of an immature synapse. Rheuben MB, et al. **J Neurocytol** 1981 Aug;10(4):557–75

Structural correlates of physiological activity in chick photoreceptor synaptic terminals: effects of light and dark stimulation. Cooper NG, et al. **J Ultrastruct Res** 1982 Apr; 79(1):58–73

[A simple method for the accumulation of synaptosomal membranes] Repke H, et al. **Z Med Lab Diagn** 1981; 22(2):94–9 **(Ger)**

SYNAPTIC RECEPTORS

Molecular size of benzodiazepine receptor in rat brain in situ: evidence for a functional dimer? Doble A, et al. **Nature** 1982 Feb 11;295(5849):522–3

[Benzodiazepine receptors] Ledaal P. **Tidsskr Nor Laegeforen** 1981 Oct 30;101(30):1705–7 (Eng. Abstr.) **(Nor)**

ANALYSIS

The prevention of an artifact in receptor binding assay by an improved technique. Hung CR, et al. **Life Sci** 1982 May 17;30(20):1713–20

DRUG EFFECTS

Effects of prenatal methylazoxymethanol treatment on the development of central monoamine neurons. Jonsson G, et al. **Brain Res** 1981 Nov;254(4):513–30

Phosphonate analogues of acidic amino acids: inhibition of excitatory amino acid transmitter binding to cerebellar membranes and of the stimulation of cerebellar cyclic GMP levels. Roberts PJ, et al. **Brain Res** 1982 Apr 29; 238(2):475–9

A historical and biological overview: brain transmitters, receptors single cells, and a new treatment for opiate addiction. Redmond DE Jr. **J Clin Psychiatry** 1982 Jun; 43(6 Pt 2):4–8

Kainic acid stimulates excitatory amino acid neurotransmitter release at presynaptic receptors. Ferkany JW, et al. **Nature** 1982 Aug 19;298(5876):757–9

Unusual interactions of benzodiazepine receptor antagonists. Nutt DJ, et al. **Nature** 1982 Feb 4;295(5848):436–8

Neurotoxic action of methyltetrahydrofolate in rat cerebellum unrelated to direct activation of kainate receptors. Roberts PJ, et al. **Nature** 1981 Oct 22; 293(5834):654–5

The effects of several muscarinic antagonists on pre- and postsynaptic receptors in the isolated rabbit heart. Fuder H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):31–7

Effect of lithium on circadian neurotransmitter receptor rhythms. Kafka MS, et al. **Neuropsychobiology** 1982 Jan-Feb;8(1):41–50

Effects of chronic phencyclidine on fixed-ratio responding: no relation to neurotransmitter receptor binding in rat cerebral cortex. Schwartz RD, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):647–52

The influence of hormones on drug-induced modifications in neurotransmitter receptor binding. Kendall DA, et al. **Prog Clin Biol Res** 1982;79:193–207

ISOLATION & PURIFICATION

Some properties of solubilized GABA receptor. Ito Y, et al. **Brain Res** 1982 Mar 25;236(2):351–64

Localization of synaptic and nonsynaptic nicotinic-acetylcholine receptors in the goldfish retina. Zucker C, et al. **J Comp Neurol** 1982 Jan 10;204(2):188–95

Physical separation and characterization of two types of benzodiazepine receptors. Lo MM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):680–4

METABOLISM

Environmental enrichment and neurotransmitter receptors. Por SB, et al. **Behav Neural Biol** 1982 Feb;34(2):132–40

Alterations in neurotransmitter receptor binding in the spinal cord after transection. Charlton G, et al. **Brain Res** 1981 Aug 10;218(1-2):372–5

Chloride ions enhance L-glutamate binding to rat brain synaptic membranes. Mena EE, et al. **Brain Res** 1982 Jul 15;243(2):378–81

Glutamate binding in the rat cerebral cortex during ontogeny. Sanderson C, et al. **Brain Res** 1981 Oct;254(3):329–39

Affinity of thiocolchicoside and thiocolchicoside analogues for the postsynaptic GABA receptor site. Biziere K, et al. **Eur J Pharmacol** 1981 Oct 22;75(2-3):167–8

Endogenous GABA determines the characteristics of [3H]GABA-binding. Gardner CR, et al. **Eur J Pharmacol** 1981 Oct 22;75(2-3):83–92

L-glutamate receptor binding in bovine retina. Höckel SH, et al. **Exp Eye Res** 1982 Jul;35(1):55–60

Involvement of tyrosyl residues in the binding of benzodiazepines to their brain receptors. Sherman-Gold R, et al. **FEBS Lett** 1981 Aug 31;131(2):313–6

Regulation of catecholamine release by presynaptic receptor system. Patel S, et al. **Gen Pharmacol** 1981;12(6):405–22 (200 ref.)

Demonstration of an endogenous, highly potent, noncompetitive protein inhibitor(s) of 3H-diazepam binding in bovine brain. Kenessey A, et al. **Int J Pept Protein Res** 1981 Jul;18(1):103–6

Inhibition of [3H]GABA binding to postsynaptic receptors in human cerebellar synaptic membranes by carboxyl and amino derivatives of GABA. Breckenridge RJ, et al. **J Neurochem** 1981 Oct;37(4):837–44

Inactivation of benzodiazepine binding sites by N-ethylmaleimide. Martini C, et al. **J Neurochem** 1982 Jun; 38(6):1768–70

Molecular interactions of etazolate with benzodiazepine and picrotoxinin binding sites. Ticku MK, et al. **J Neurochem** 1982 Apr;38(4):1180–2

Complex binding of L-[3H]glutamate to hippocampal synaptic membranes in the absence of sodium. Werling LL, et al. **J Neurochem** 1982 Apr;38(4):1050–62

gamma-Aminobutyric acid concentration, L-glutamate l-decarboxylase activity, and properties of the gamma-aminobutyric and postsynaptic receptor in cobalt epilepsy in the rat. Ross SM, et al. **J Neurosci** 1981 Dec; 1(12):1388–96

Barbiturate and GABA receptors coupled to benzodiazepine receptors in rat hippocampal formation: a radiohistochemical study. Valdes F, et al. **Life Sci** 1981 Nov 2;29(18):1895–900

The benzodiazepine receptor: anatomical aspects. Kuhar MJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(33):12–21

Autoradiographic localization of GABAB receptors in rat cerebellum. Wilkin GP, et al. **Nature** 1981 Dec 10; 294(5841):584–7

High affinity binding of L-glutamate to chick retinal membranes. López-Colomé AM. **Neurochem Res** 1981 Sep; 6(9):1019–33

6 -Hydroxydopamine decreases benzodiazepine but not GABA receptor binding in rat cerebellum. Doble A, et al. **Neurosci Lett** 1981 Dec 11;27(2):199–204

Changes in rat hippocampal benzodiazepine receptors and lack of changes in muscarinic receptors after fimbria-fornix lesions. Sábato UC, et al. **Neurosci Lett** 1981 Dec 11; 27(2):193–7

A receptor for protons in the membrane of sensory neurons may participate in nociception. Krishtal OA, et al. **Neuroscience** 1981;6(12):2599–601

Benzodiazepine receptor increases after repeated seizures: evidence for localization to dentate granule cells. Valdes F, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):193–7

Excitatory amino acid receptors. McLennan H. **Prog Clin Biol Res** 1981;68:19–27

Sleep deprivation: effects on circadian rhythms of rat brain neurotransmitter receptors. Wirz-Justice A, et al. **Psychiatry Res** 1981 Aug;5(1):67–76

Opiate and benzodiazepine receptors. Snyder SH. **Psychosomatics** 1981 Nov;22(11):986–9

Different synaptic location of mianserin and imipramine binding sites. Brunello N, et al. **Science** 1982 Feb 26; 215(4536):1112–5

Presynaptic location and axonal transport of beta 1-adrenoreceptors in the rat brain. Levin BE. **Science** 1982 Aug 6;217(4559):555–7

[Receptor-ligand reaction in the central nervous system (principal problems and prospects for development)] Korneev AIa, et al. **Vestn Akad Med Nauk SSSR** 1981; (5):56–9 (Eng. Abstr.) **(Rus)**

[Synaptic membrane receptors. Localization and properties] De Robertis E. **Medicina (B Aires)** 1981;41(6):815–21 **(Spa)**

PHYSIOLOGY

Ionic mechanisms sustaining activity in ampullar receptors of the frog. Zucca G, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5-6):355–62

Influence of presynaptic receptors on neuromuscular

transmission in rat. Wilson DF. **Am J Physiol** 1982 May; 242(5):C366–72
Receptors and the mechanism of action of ECT. Lerer B, et al. **Biol Psychiatry** 1982 Apr;17(4):497–511
Block of locust muscle glutamate receptors by delta-philanthotoxin occurs after receptor activations. Clark RB, et al. **Brain Res** 1982 Jun 3;241(1):105–14
Stereoselectivity of presynaptic autoreceptors modulating dopamine release. Arbilla S, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):345–51
Respiratory depression produced by activation of GABA receptors in hindbrain of cat. Yamada KA, et al. **J Appl Physiol** 1981 Nov;51(5):1278–86
Chloride and calcium ions reveal a pharmacologically distinct population of L-glutamate binding sites in synaptic membranes: correspondence between biochemical and electrophysiological data. Fagg GE, et al. **J Neurosci** 1982 Jul;2(7):958–65
Interactions between three slow potassium responses controlled by three distinct receptors in Aplysia neurones. Ascher P, et al. **J Physiol (Lond)** 1982 Mar;324:67–92
Benzodiazepines and the gamma-aminobutyric acid (GABA) receptor. Higashi H, et al. **Kurume Med J** 1981;28(4):349–51
Relationship between receptors, calcium channels, and responses in exocrine gland cells. Putney JW Jr, et al. **Methods Cell Biol** 1981;23:503–11 (40 ref.)
Benzodizepines: biochemistry of function. Tallman JF. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(33):4–11
Closure of membrane channels gated by glutamate receptors may be a two-step process. Gration KA, et al. **Nature** 1982 Feb 18;295(5850):599–603
Non-dopaminergic fibres may regulate dopamine-sensitive adenylate cyclase in the prefrontal cortex and nucleus accumbens. Tassin JP, et al. **Nature** 1982 Feb 25; 295(5851):696–8
Vascular autonomic nerves and corresponding receptors in brain vessels. Edvinsson L. **Pathol Biol (Paris)** 1982 May; 30(5):261–8 (32 ref.)
Presynaptic receptors of central catecholamine neurones. Starke K. **Postgrad Med J** 1981;57 Suppl 1:30–5
The nature of the atrial receptors responsible for a reflex increase in activity in efferent cardiac sympathetic nerves. Linden RJ, et al. **Q J Exp Physiol** 1982 Jan;67(1):143–9
The response in efferent cardiac sympathetic nerves to stimulation of atrial receptors, carotid sinus baroreceptors and carotid chemoreceptors. Linden RJ, et al. **Q J Exp Physiol** 1982 Jan;67(1):151–63
Hindbrain GABA receptors influence parasympathetic outflow to the stomach. Williford DJ, et al. **Science** 1981 Oct 9;214(4517):193–4
[Regulatory effects of the presynaptic receptors on transmitter release (author's transl)] Yang K. **Sheng Li Ko Hsueh Chin Chan** 1982 Jan;13(1):43–7 **(Chi)**
[Trends in experimental pharmacology] Anichkov SV. **Vestn Akad Med Nauk SSSR** 1982;(5):3–9 **(Rus)**

SECRETION

Presynaptic receptors and modulation of the release of noradrenaline, dopamine and GABA. Langer SZ, et al. **Postgrad Med J** 1981;57 Suppl 1:18–29 (111 ref.)

ULTRASTRUCTURE

On the use of lesions of afferents to localize neurotransmitter receptor sites in the striatum. Hattori T, et al. **Brain Res** 1982 Apr 22;238(1):245–50
Quantitative densitometry of neurotransmitter receptors. Rainbow TC, et al. **J Neurosci Methods** 1982 Jan; 5(1–2):127–38

SYNAPTIC VESICLES

ANALYSIS

Glycoproteins from adult rat brain synaptic vesicles. Fractionation on four immobilized lectins. Zanetta JP, et al. **Biochim Biophys Acta** 1981 Oct 28;670(3):393–400
Amino acids and peptides in synaptosomes and synaptic vesicles. Lähdesmäki P. **Cell Mol Biol** 1982;28(1):119–23
31P-NMR analysis of synaptic vesicles. Status of ATP and internal pH. Füldner HH, et al. **Eur J Biochem** 1982 Jan; 121(3):519–24
Identification of actin in highly purified synaptic vesicles from the electric organ of Torpedo marmorata. Zechel K, et al. **J Neurochem** 1982 Sep;39(3):788–95

ENZYMOLOGY

Increased dopamine in the failing hamster heart: transvesicular transport of dopamine limits the rate of norepinephrine synthesis. Sole MJ, et al. **Am J Cardiol** 1982 May;49(7):1682–90

IMMUNOLOGY

Immunohistochemical localization of a synaptic-vesicle antigen in a cholinergic neuron under conditions of stimulation and rest. Jones RT, et al. **Cell Tissue Res** 1982; 223(1):117–26
Appearance and distribution of neuronal cell surface and synaptic vesicle antigens in the developing rat superior cervical ganglion. Greif KF, et al. **J Neurosci** 1982 Jul; 2(7):843–52

METABOLISM

Uncoupling of acetylcholine uptake from the Torpedo cholinergic synaptic vesicle ATPase. Anderson DC, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):422–8
Inhibition of norepinephrine uptake into synaptic vesicles by butylated hydroxytoluene. Gould JM, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1106–11
pH dependence of [3H]norepinephrine uptake into catecholamine storage vesicles isolated from rat brain, heart and adrenal medulla. Evoniuk G, et al. **Biochem Pharmacol** 1981 Oct;30(20):2872–3
Proton gradient linkage to active uptake of [3H]acetylcholine by Torpedo electric organ synaptic vesicles. Anderson DC, et al. **Biochemistry** 1982 Jun 22;21(13):3037–43
Efflux of L-glutamate by synaptic plasma membrane vesicles isolated from rat brain. Kanner BI, et al. **Biochemistry** 1982 Jun 22;21(13):3143–7
Divalent cation, ATP-dependent [3H]leu-enkephalin uptake by synaptic vesicle fraction isolated from bovine caudate nucleus. Takeda M, et al. **Brain Res** 1982 Feb 25; 234(2):319–26
Newly synthesized L-[14C]dopamine failed to accumulate immediately in synaptic vesicles within isolated rat brain synaptosomal cytoplasm. Tsudzuki T. **J Biochem (Tokyo)** 1981 Nov;90(5):1341–9
L-glutamate stimulation of Na+ efflux from brain synaptic membrane vesicles. Chang HH, et al. **J Biol Chem** 1981 Oct 10;256(19):10084–7
Identification of a synaptic vesicle-specific membrane protein with a wide distribution in neuronal and neurosecretory tissue. Matthew WD, et al. **J Cell Biol** 1981 Oct; 91(1):257–69
Ca2+ and calmodulin-dependent phosphorylation of endogenous synaptic vesicle tubulin by a vesicle-bound calmodulin kinase system. Burke BE, et al. **J Neurochem** 1982 May;38(5):1205–18
Effects of iron deficiency on serotonin uptake in vitro by rat brain synaptic vesicles. Kaladhar M, et al. **J Neurochem** 1982 Jun;38(6):1576–81
ADP-ribosylation of membrane proteins in cholinergic nerve terminals. Lester HA, et al. **J Neurochem** 1982 Apr; 38(4):1080–6
ACh release from osmotically shocked synaptosomes refilled with transmitter. Israël M, et al. **Nature** 1981 Dec 3; 294(5840):474–5
Nucleotide uptake by isolated cholinergic synaptic vesicles: evidence for a carrier of adenosine 5'-triphosphate. Luqmani YA. **Neuroscience** 1981;6(6):1011–21
[Operator hypothesis in presynaptic membrane and vesicular hypothesis in synaptic vesicle (author's transl)] Ohsawa K. **Tanpakushitsu Kakusan Koso** 1982 Feb;27(3):466–74 (13 ref.) **(Jpn)**

PHYSIOLOGY

Surface potential and surface charge density of the cerebral-cortex synaptic vesicle and stability of vesicle suspension. Ohsawa K, et al. **Biochim Biophys Acta** 1981 Nov 6;648(2):206–14
The effect of diamide on transmitter release and on synaptic vesicle population at vertebrate synapses. Wade PD, et al. **Brain Res** 1981 Nov 30;225(2):357–72
Determination of delta psi, delta pH and the proton electrochemical gradient in isolated cholinergic synaptic vesicles. Angel I, et al. **Life Sci** 1981 Jul 27;29(4):411–6
Non vesicular release of neurotransmitter. Tauc L. **Physiol Rev** 1982 Jul;62(3):857–93 (211 ref.)
Interaction of brain synaptic vesicles induced by endogenous Ca2+ -dependent phospholipase A2. Moskowitz N, et al. **Science** 1982 Apr 16;216(4543):305–7

ULTRASTRUCTURE

Occurrence of uranaffin-positive synaptic vesicles in both adrenergic and non-adrenergic nerves of the rat anococcygeus muscle. Iijima T. **Cell Tissue Res** 1981; 220(2):427–33
Effects of ouabain and electrical stimulation on the fine structure of nerve endings in the electric organ of Torpedo marmorata. Solsona C, et al. **Cell Tissue Res** 1981; 220(4):857–71
Synaptic connections of substance P-immunoreactive nerve terminals in the substantia nigra of the rat. A correlated light- and electron-microscopic study. Somogyi P, et al. **Cell Tissue Res** 1982;223(3):469–86
Exocytosis and nerve terminal pseudopodia. Boyne AF, et al. **Fed Proc** 1982 Apr;41(6):2188–92
Development of axosomatic synapses of the Xenopus spinal cord with special reference to subsurface cisterns and C-type synapses. Watanabe H. **J Comp Neurol** 1981 Aug 10;200(3):323–8
Fine structural study of the abdominal muscle receptor organs of the crayfish (Procambarus clarkii)-morphometrical analysis of synaptic vesicles. Komuro T. **J Electron Microsc (Tokyo)** 1981;30(1):22–8
Architecture and synaptic relationships in the intermediolateral nucleus of the thoracic spinal cord of the rat: HRP labelling, catecholamine histochemistry and electron microscopic studies. Chiba T, et al. **J Neurocytol** 1981 Apr;10(2):315–29
Synaptic vesicle exocytosis. Reese T. **JAMA** 1981 Oct 2; 246(14):1593
ZIO-impregnated boutons in neuropile of supraoptic and paraventricular nuclei of the rat. Loesch A. **Neuropatol Pol** 1981 Apr-Jun;19(2):157–74
Changes in the size and shape of synaptic vesicles in the sensorimotor cortex of the rat brain after repeated epileptic seizures. Havel J, et al. **Physiol Bohemoslov** 1982;31(1):91–4
Smooth endoplasmic reticulum and synaptic vesicles in cultured murine neuroblastoma cells. Spoerri PE, et al. **Z Mikrosk Anat Forsch** 1981;95(4):521–30
[Quantitative morphologic examination of the vesicle population of mixed synapses--method and significance] Saballus R, et al. **J Hirnforsch** 1982;23(2):175–90 (Eng. Abstr.) **(Ger)**
[The effect of conditioning on the ultrastructural distribution of synaptic vesicles in the hippocampus of the rat] Wenzel J, et al. **J Hirnforsch** 1981;22(4):453–63 (Eng. Abstr.) **(Ger)**
[Evidence of the recycling of vesicle membranes by means of morphometric measurement of the vesicle density (author's transl)] Schuster T, et al. **Z Mikrosk Anat Forsch** 1981;95(3):428–44 (Eng. Abstr.) **(Ger)**
[Effect of enflurane on the motor cortex synapses in rabbits during the developmental period. Electron-microscopic studies by the routine method and after impregnation with ZIO] Dydyk L, et al. **Neuropatol Pol** 1981 Apr-Jun; 19(2):175–87 (Eng. Abstr.) **(Pol)**

SYNAPTOSOMES

ANALYSIS

Characterization of immunoreactive somatostatin released from rat nervous system in vitro. Sheppard MC, et al. **Biochem J** 1982 Feb 1;201(2):321–8
Compartmentalization of clathrin in synaptic terminals. Cheng TP, et al. **Brain Res** 1982 May 6;239(1):201–12
Internal K+ and Na+ concentrations and the volume of hypothalamic synaptosomes. Warberg J. **Brain Res** 1981 Sep 14;220(2):309–23
Amino acids and peptides in synaptosomes and synaptic vesicles. Lähdesmäki P. **Cell Mol Biol** 1982;28(1):119–23
Isolation of a presynaptic plasma membrane fraction from Torpedo cholinergic synaptosomes: evidence for a specific protein. Morel N, et al. **J Cell Biol** 1982 May;93(2):349–56
Perforant path lesion depletes glutamate content of fascia dentata synaptosomes. Nadler JV, et al. **Neurosci Lett** 1981 Sep 25;25(3):275–80
[Quantitative determination of neurospecific protein S-100 in mouse brain cortical synaptosomes] Starostina MV, et al. **Biokhimiia** 1981 Nov;46(11):2030–42 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Interaction at the synaptic level of fusaric acid with neurotransmitters. Fischer HD, et al. **Acta Biol Med Ger** 1980;39(8–9):935–40
Effect of lithium on synaptosomal brain enzymes. Guerri C. **Biochem Pharmacol** 1982 Feb 1;31(3):449–53
Effects of (D-alanine2, methionine5) enkephalinamide on the release of acetylcholine and noradrenaline from brain slices and isolated nerve terminals. Jones CA, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):455–8
Inhibitory effects of scorpion venom on the uptake of amino acids by synaptosomes and synaptosomal membrane vesicles. Rhoads DE, et al. **Biochem Pharmacol** 1982 May 15;31(10):1875–9
The effect of scorpion venom tityustoxin on the uptake of calcium in synaptosomes. Henriques MC, et al. **Brain Res Bull** 1981 Sep;7(3):255–9
Synaptosomal Na+,K+-ATPase as a membrane probe in studying the in vivo action of morphine. Wan-Kan O, et al. **Can J Biochem** 1981 Aug;59(8):687–92
The effect of gamma-aminobutyric acid on the potassium movements of rat cortical synaptosomes. Tozalakian PV, et al. **Exp Brain Res** 1982;46(1):24–8
Effects of local anesthetics on phospholipid topology and dopamine uptake and release in rat brain synaptosomes. Bradford PG, et al. **J Membr Biol** 1982;67(3):211–8
The effects of Cycloheximide and Anisomycin on monoamine synthesis in a brain synaptosome preparation. Schweri MM, et al. **J Neural Transm** 1982;54(1–2):41–50
Cannabinoids inhibit calcium uptake by brain synaptosomes. Harris RA, et al. **J Neurosci** 1982 Apr;2(4):443–7
Effects of phencyclidine on synaptosomal dopamine continuously appearing from phenylalanine: sensitivity to reserpine. Bagchi SP. **Neuropharmacology** 1981 Sep; 20(9):845–51
Effects of chronic methamphetamine administration on tryptophan hydroxylase activity, [3H]serotonin synaptosomal uptake, and serotonin metabolism in rat brain following systemic tryptophan loading. Trulson ME, et al. **Neuropharmacology** 1982 Jun;21(6):521–7
[GABA-neurotransmitter and its relation with the convulsions: rate, synthesis, uptake and release at the synaptosomal level (author's transl)] Gonzalez Rios FU, et al. **Cell Mol Biol** 1981;27(2–3):203–14 (Eng. Abstr.) **(Fre)**
[Effect of extracellular ATP on the characteristics of synaptosomes from the rat cerebral cortex] Korolev AM, et al. **Tsitologiia** 1981 Sep;23(9):1008–19 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The influence of nicergoline on reaction kinetics of synaptosomal adenosine triphosphatases from porcine brain. Leskovac V, et al. **Arzneimittelforsch** 1981; 31(11):1907–9

Increase of Na+/K+ ATPase activity in intact rat brain synaptosomes after their interaction with phosphatidylserine vesicles. Floreani M, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1337–44

Inhibition of dog brain synaptosomal Na+ -K+ ATPase and K+-stimulated phosphatase activities by long chain n-alkyl-amine and -piperidine, and N'-alkylnicotinamide derivatives. Abdelfattah AS, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3195–200

Compensatory increase in synaptosomal aldehyde reductase activity in rat brain after chronic barbital treatment. Minegishi A, et al. **Biochem Pharmacol** 1981 Oct 1; 30(19):2657–62

The effects of dopamine agonists and antagonists on Na+,K+-ATPase and Mg2+-ATPase activities of synaptosomes. Sawas AH, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1531–3

Uptake and metabolism of catecholamines in rat brain synaptosomes: studies on the contribution of monoamine oxidase. Urwyler S, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2777–85

Regulation of rat brain (Na+ +K+)-ATPase activity by cyclic AMP. Lingham RB, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):475–85

Brain renin: localization in rat brain synaptosomal fractions. Husain A, et al **Brain Res** 1981 Oct 5;222(1):182–6

Monoamine oxidase-catalyzed metabolism of 3,4-dihydroxyphenylethylamine in the dopaminergic synaptosomes from rat corpus striatum. Katz IR. **J Neurochem** 1982 Mar;38(3):859–62

Tyrosine hydroxylase activity in rat brain synaptosomes: direct measurement using high performance liquid chromatography. Messripour M, et al. **J Neurochem** 1982 Apr;38(4):1139–43

Adenylate cyclase of Torpedo synaptosomes is inhibited by calcium and not affected by muscarinic ligands. Pinchasi I, et al. **J Neurochem** 1982 May;38(5):1223–9

Postnatal changes in enzyme activities in synaptosomes isolated from hamster optic nerve endings. Specht SC. **J Neurochem** 1982 Aug;39(2):310–4

Endogenous activation of guanylate cyclase in synaptosomal soluble fraction from rat brain. Yoshikawa K, et al. **J Neurosci Res** 1981;6(6):733–9

Distribution of guanylate cyclase in rat cerebral cortex: neuronal, glial, capillary, pia-arachnoid and synaptosomal fractions plus choroid plexus. Palmer GC. **Neuroscience** 1981;6(12):2547–53

Effect of citreoviridin, a mycotoxin from Penicillium citreoviride, on kinetic constants of acetylcholinesterase and ATPase in synaptosomes and microsomes from rat brain. Datta SC, et al. **Toxicon** 1981;19(4):555–62

METABOLISM

Synaptosomal uptake and release of dopamine and 5-hydroxy-tryptamine in the nucleus accumbens in vitro following in vivo administration of lysergic acid diethylamide in rats. Hetey L, et al. **Acta Biol Med Ger** 1980;39(8–9):889–95

Uptake and metabolism of serotonin and amino acids in thiamine deficiency. Plaitakis A, et al. **Adv Exp Med Biol** 1981;133:391–416

Analysis of dual transport systems by means of Hill plots. Peterson NA. **Anal Biochem** 1981 Jul 1;114(2):322–9

The effects of imidazole on neuromuscular transmission and on synaptosomal calcium uptake in the rat. Ribeiro JA, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):270–84

Structural modifications of nerve membranes during experimental scrapie evolution in mouse. Viret J, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):830–6

Glycine transport into plasma-membrane vesicles derived from rat brain synaptosomes. Mayor F Jr, et al. **Biochem J** 1981 Sep 15;198(3):535–41

The binding of [3H]adenosine to synaptosomal and other preparations from the mammalian brain. Newman ME, et al. **Biochem J** 1981 Feb 15;194(2):611–20

Studies on valinomycin inhibition of synaptosome-fraction protein synthesis. Verity MA, et al. **Biochem J** 1981 Apr 15;196(1):25–32

Inhibitory effects of type A and type B monoamine oxidase inhibitors on synaptosomal accumulation of [3H]dopamine: a reflection of antidepressant potency. Azzaro AJ, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2195–7

High affinity choline uptake and acetylcholine release by guinea pig neocortex synaptosomes: inhibition by adenosine derivatives. Corrieri AG, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2732–4

Release of radiolabelled adenosine derivatives from superfused synaptosome beds. Evidence for the output of adenosine. Daval JL, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2559–67

Prostaglandins D2 and E2 are not regulators of amino acid release from rat cortical synaptosomes. Druce D, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1001–4

Ethanol and pentobarbital inhibition of intrasynaptosomal sequestration of calcium. Harris RA. **Biochem Pharmacol** 1981 Dec 1;30(23):3209–15

Differences in the inhibitory effect of Cd2+, Mn2+ and Al3+ on the uptake of dopamine by synaptosomes from forebrain and from striatum of the rat. Lai JC, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3123–5

Displacement of Ca2+ bound to synaptosomal membrane sialoglycoconjugates by serotonin and serotonergic drugs and the effect on endogenous sialidase (neuraminidase) activity. Leskawa KC, et al. **Biochem Pharmacol** 1982 May 1;31(9):1787–90

Comparative effects of benztropine and nomifensine on dopamine uptake and release from striatal synaptosomes. McKillop D, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2753–8

[3H]Dopamine release by d-amphetamine from striatal synaptosomes of reserpinized rats. Masuoka DT, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):1969–74

In vitro biochemical effects of nefopam hydrochloride, a new analgesic agent. Tresnak-Rustad NJ, et al. **Biochem Pharmacol** 1981 Oct;30(20):2847–50

Endogenous effector of the benzodiazepine binding site: purification and characterization. Woolf JH, et al. **Biochemistry** 1981 Jul 21;20(15):4263–9

The effect of sodium on depolarization-induced calcium uptake and acetylcholine release by synaptosomes. Metlaš R, et al. **Biochim Biophys Acta** 1982 May 7;687(2):340–2

Characteristics of high-affinity [3H]adenosine binding to rat brain synaptosomes and turkey erythrocyte membranes. Newman M, et al. **Biochim Biophys Acta** 1982 Feb 23; 685(2):129–36

Photoaffinity labelling of the serotonin carrier protein in platelets and brain synaptosomes. Rotman A, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):173–6

Changes in synaptosomal high affinity choline uptake following electrical stimulation of guinea-pig cortical slices: effect of atropine and physostigmine. Antonelli T, et al. **Br J Pharmacol** 1981 Nov;74(3):525–31

Synaptosomes prepared from fresh human cerebral cortex; morphology, respiration and release of transmitter amino acids. Dodd P, et al. **Brain Res** 1981 Nov 16;224(2):419–25

Oxygen dependence of dopamine-beta-hydoxylase activity and lactate metabolism in synaptosomes from rat brain. Katz IR. **Brain Res** 1982 Jan 14;231(2):399–409

Specific binding of [3H]prostaglandin E2 to rat brain membranes and synaptosomes. Malet C, et al. **Brain Res** 1982 Mar 18;236(1):227–33

Binding of alpha-[125I]bungarotoxin to a particulate fraction of toad brain. Oswald RE, et al. **Brain Res** 1981 Aug 10; 218(1-2):406–11

Evidence for cysteine sulfinate as a neurotransmitter. Recasens M, et al. **Brain Res** 1982 May 6;239(1):153–73

Postnatal changes in [3H]fucosyl glycopeptides of hamster optic nerve synaptosomal membrane. Specht SC. **Brain Res** 1982 May;256(1):109–14

Analgesic dipeptide, kyotorphin (Tyr-Arg), is highly concentrated in the synaptosomal fraction of the rat brain. Ueda H, et al. **Brain Res** 1982 Jan 7;231(1):222–4

A comparison of the actions of pentobarbitone and etomidate on [3H]GABA binding to crude synaptosomal rat brain membranes. Willow M. **Brain Res** 1981 Sep 14; 220(2):427–31

A new synaptosomal biosynthetic pathway of proline from ornithine and its negative feedback inhibition by proline. Yoneda Y, et al. **Brain Res** 1982 May 13;239(2):479–88

Phenothiazines inhibit adenosine uptake by rat brain synaptosomes. Phillis JW, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1108–10

Effect of barbiturates on calcium metabolism in rat brain synaptosomes visualized by chlorotetracycline as a fluorescent chelate probe. Lazarewicz JW, et al. **Cell Mol Biol** 1981;27(4):325–32

High affinity 3,5,3'-L-triiodothyronine binding to synaptosomes in rat cerebral cortex. Mashio Y, et al. **Endocrinology** 1982 Apr;110(4):1257–61

Ca2+ transport by intact synaptosomes: the voltage-dependent Ca2+ channel and a re-evaluation of the role of sodium/calcium exchange. Akerman KE, et al. **Eur J Biochem** 1981 Jul;117(3):491–7

Lack of effect of 6-hydroxydopamine pretreatment on depolarization-induced release of ATP fron rat brain synaptosomes. Potter PE, et al. **Eur J Pharmacol** 1982 May 7;80(1):143–7

Glutamate stimulation of 45Ca uptake by rat striatal synaptosomes. Retz KC, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):319–22

Sodium-dependent choline binding in rat hippocampal synaptosomes. Simpson J, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):267–70

Influence of age upon the cerebral metabolic changes induced by acute hypoxia on the synaptosomes from dog brain. Benzi G, et al. **Exp Gerontol** 1982;17(1):19–31

Aging of membrane transport mechanisms in the central nervous system. GABA transport in rat cortical synaptosomes. Wheeler DD. **Exp Gerontol** 1982; 17(1):71–85

Phenytoin inhibits both synaptosomal 45Ca uptake and efflux. Pincus JH, et al. **Exp Neurol** 1981 Oct;74(1):293–8

ATP depletion increases Ca2+ uptake by synaptosomes. Akerman KE, et al. **FEBS Lett** 1981 Nov 30;135(1):212–4

Lysis of cholinergic synaptosomes by an antiserum to choline acetyltransferase. Docherty M, et al. **FEBS Lett** 1982 Jul 19;144(1):47–50

Comparative biochemical and biophysical studies on rat brain synaptosomes. Hargittai P, et al. **FEBS Lett** 1982 Jan 11; 137(1):67–70

The role of citrate derived from glucose in the acetylcholine synthesis in rat brain synaptosomes. Szutowicz A, et al. **Int J Biochem** 1981;13(8):887–92

Study on hyperbaric oxygen-induced convulsion with particular reference to gamma-aminobutyric acid in synaptosomes. Hori S. **J Biochem (Tokyo)** 1982 Feb; 91(2):443–8

Sodium channel, sodium pump, and sodium-calcium exchange activities in synaptosomal plasma membrane vesicles. Gill DL. **J Biol Chem** 1982 Sep 25; 257(18):10986–90

Preparation of a pure monoiodo derivative of the bee venom neurotoxin apamin and its binding properties to rat brain synaptosomes. Hugues M, et al. **J Biol Chem** 1982 Mar 25;257(6):2762–9

Energetics of gamma-aminobutyrate transport in rat brain synaptosomes. Pastuszko A, et al. **J Biol Chem** 1982 Jul 10;257(13):7514–9

Reconstitution of the voltage-sensitive sodium channel of rat brain from solubilized components. Tamkun MM, et al. **J Biol Chem** 1981 Nov 25;256(22):11457–63

Drug action on the metabolic changes induced by acute hypoxia on synaptosomes from the cerebral cortex. Benzi G, et al. **J Cereb Blood Flow Metab** 1982;2(2):229–39

Effects of certain hallucinogenic amphetamine analogues on the release of [3H]serotonin from rat brain synaptosomes. Nichols DE, et al. **J Med Chem** 1982 May;25(5):530–5

The stimulus-induced release of 5-hydroxytryptamine and tryptophan from superfused rat brain synaptosomes. Collard KJ, et al. **J Neural Transm** 1982;53(2–3):223–30

Uptake of [N-Me-3H]-choline by synaptosomes from the central nervous system of Locusta migratoria. Breer H. **J Neurobiol** 1982 Mar;13(2):107–17

ACTH1—24 releases a protein from synaptosomal plasma membranes. Aloyo VJ, et al. **J Neurochem** 1982 Apr; 38(4):871–5

Carbon balance studies of glucose metabolism in rat cerebral cortical synaptosomes. Bauer U, et al. **J Neurochem** 1982 Jul;39(1):239–43

Some biochemical properties of the rapid adenosine uptake system in rat brain synaptosomes. Bender AS, et al. **J Neurochem** 1981 Nov;37(5):1282–90

Experimental galactose toxicity: effects on synaptosomal phosphatidylinositol metabolism. Berry G, et al. **J Neurochem** 1981 Oct;37(4):888–91

Effect of depolarizing agents on the incorporation of amino acids into soluble cytoplasmic and membrane-bound proteins of synaptosome fractions. Boyar MM, et al. **J Neurochem** 1981 Dec;37(6):1371–6

Cholinergic modulation of the release of [3H]acetylcholine from synaptosomes of the myenteric plexus. Briggs CA, et al. **J Neurochem** 1982 Feb;38(2):501–8

Phosphatidylserine enhancement of [3H]gamma-aminobutyric acid uptake by rat whole brain synaptosomes. Chweh AY, et al. **J Neurochem** 1982 Mar; 38(3):691–5

Dopamine inhibition of the release of endogenous acetylcholine from corpus striatum and cerebral cortex in tissue slices and synaptosomes: a presynaptic response? de Belleroche J, et al. **J Neurochem** 1982 Jul;39(1):217–22

Synaptosomal calcium uptake systems: prostaglandins are probably not involved in the regulation of calcium fluxes into and within the nerve endings. Denzlinger C, et al. **J Neurochem** 1982 Aug;39(2):499–506

Characteristics of protein carboxyl methylation in the rat hypothalamus. Eiden LE, et al. **J Neurochem** 1982 Mar; 38(3):631–7

Enhancement of the muscarinic synaptosomal phospholipid labeling effect by the ionophore A23187. Fisher SK, et al. **J Neurochem** 1981 Oct;37(4):968–77

Phospholipid methylation and noradrenaline exchanges in a synaptosomal preparation from the rat brain. Fonlupt P, et al. **J Neurochem** 1982 Jun;38(6):1615–20

Cysteine sulfinic acid in the central nervous system: uptake and release of cysteine sulfinic acid by a rat brain preparation. Iwata H, et al. **J Neurochem** 1982 May; 38(5):1268–74

The role of chloride in acetylcholine metabolism. Ksiezak-Reding HJ, et al. **J Neurochem** 1982 Jan; 38(1):121–9

[3H]Diazepam displacing activity in human cerebrospinal fluid. Kuhn W, et al. **J Neurochem** 1981 Oct;37(4):1045–7

The effects of chronic manganese chloride treatment expressed as age-dependent, transient changes in rat brain synaptosomal uptake of amines. Lai JC, et al. **J Neurochem** 1982 Mar;38(3):844–7

ADP-ribosylation of membrane proteins in cholinergic nerve terminals. Lester HA, et al. **J Neurochem** 1982 Apr; 38(4):1080–6

L-Aspartate transport into plasma membrane vesicles derived from rat brain synaptosomes. Marvizón JG, et al. **J Neurochem** 1981 Dec;37(6):1401–6

Studies on alpha-latrotoxin receptors in rat brain synaptosomes: correlation between toxin binding and stimulation of transmitter release. Meldolesi J. **J Neurochem** 1982 Jun;38(6):1559–69

Neurochemical characterization of an antimony-choline analog in rat cortical synaptosomes. Meyer EM, et al. **J Neurochem** 1982 Aug;39(2):321–6

'On' and 'off' responses of K+-induced synaptosomal proline

release: involvement of the sodium pump. Nickolson VJ. **J Neurochem** 1982 Jan;38(1):289–92
Neurotransmitter metabolism in rat brain synaptosomes: effect of anoxia and pH. Pastuszko A, et al. **J Neurochem** 1982 Jun;38(6):1657–67
Stimulation of Na+–dependent, veratridine–sensitive synaptosomal amino acid uptakes by serum albumin. Rhoads DE, et al. **J Neurochem** 1982 May;38(5):1305–10
Effects of free fatty acids on synaptosomal amino acid uptake systems. Rhoads DE, et al. **J Neurochem** 1982 May; 38(5):1255–60
Phosphate ion transport in rabbit brain synaptosomes. Salamin A, et al. **J Neurochem** 1981 Dec;37(6):1419–24
Glutamate–stimulated phosphorylation of a specific protein in P2 fractions of rat cerebral cortex. Sieghart W. **J Neurochem** 1981 Nov;37(5):1116–24
The contribution of citrate to the synthesis of acetyl units in synaptosomes of developing rat brain. Szutowicz A, et al. **J Neurochem** 1982 May;38(5):1196–204
The effect of ouabain on the release of [14C]acetylcholine and other substances from synaptosomes. Vyas S, et al. **J Neurochem** 1981 Dec;37(6):1467–74
Isolation from cholinergic synapses of a protein that binds to membranes in a calcium–dependent manner. Walker JH. **J Neurochem** 1982 Sep;39(3):815–23
The differential effect of ischemia on the active uptake of dopamine, gamma–aminobutyric acid, and glutamate by brain synaptosomes. Weinberger J, et al. **J Neurochem** 1982 Apr;38(4):963–8
Fucose incorporation and identification of fucosylglycoproteins in synaptosomes. White CJ, et al. **J Neurochem** 1981 Nov;37(5):1155–63
Dual action of pentobarbitone on GABA binding: role of binding site integrity. Willow M, et al. **J Neurochem** 1981 Nov;37(5):1291–4
Adenosine receptor agonists inhibit K+–evoked Ca2+ uptake by rat brain cortical synaptosomes. Wu PH, et al. **J Neurochem** 1982 Sep;39(3):700–8
A new synaptosomal biosynthetic pathway of glutamate and GABA from ornithine and its negative feedback inhibition by GABA. Yoneda Y, et al. **J Neurochem** 1982 Jun; 38(6):1686–94
Notexin preferentially inhibits the release of newly synthesized acetylcholine from rat brain synaptosomal fractions. Gundersen CB, et al. **J Neurosci** 1981 Oct; 1(10):1113–6
3H–muscimol binding in synaptosomal fractions from bovine and developing rabbit retinas. Redburn DA, et al. **J Neurosci Res** 1981;6(4):487–95
Effect of delta9–tetrahydrocannabinol on the synthesis of dopamine and norepinephrine in mouse brain synaptosomes. Bloom AS. **J Pharmacol Exp Ther** 1982 Apr; 221(1):97–103
Comparative actions of phenytoin and other anticonvulsant drugs on potassium– and veratridine–stimulated calcium uptake in synaptosomes. Ferrendelli JA, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):29–34
Effects of vanadium on different adenosinetriphosphatases and binding of 3H–labeled ouabain and calcium–45 to rat brain synaptosomes. Mishra SK, et al. **J Toxicol Environ Health** 1981 Sep;8(3):449–61
Effect of 1,1–diphenyl–3–piperidinobutanol hydrochloride (Aspaminol) on the stimuli–induced calcium uptake in rat brain synaptosomes. Konno F, et al. **Jpn J Pharmacol** 1981 Dec;31(6):995–1003
Effects of betahistine on the binding of nicotine to nicotinic cholinergic receptors in rat brain synaptosomes. Yoshida K, et al. **Jpn J Pharmacol** 1981 Oct;31(5):842–4
Developmental regulation of phospholipid methylation in rat brain synaptosomes. Hitzemann R. **Life Sci** 1982 Apr 12; 30(15):1297–303
Increase of dopamine synthesis in synaptosomes from rats treated with neuroleptics or reserpine. Tissari AH. **Med Biol** 1982 Feb;60(1):38–41
Studies on the role of Na+, K+ and Cl– ion permeabilities in K+–induced release of 3H–noradrenaline from rat brain slices and synaptosomes and in its presynaptic alpha–adrenergic modulation. Wemer J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Sep; 317(2):103–9
The effect of phentolamine on synaptosomal phosphatidylinositol in experimental galactose toxicity. Berry G, et al. **Neurochem Res** 1982 Jan;7(1):49–54
Studies on the release of exogenous and endogenous GABA and glutamate from rat brain synaptosomes. Levi G, et al. **Neurochem Res** 1981 Mar;6(3):275–85
Effects of postdecapitative ischemia on arachidonate release from brain synaptosomes. Majewska MD, et al. **Neurochem Res** 1981 May;6(5):567–76
Possible role of sialocompounds in the uptake of choline into synaptosomes and nerve cell cultures. Massarelli R, et al. **Neurochem Res** 1982 Mar;7(3):301–16
The subsynaptosomal distribution and release of [3H]acetylcholine synthesized by rat cerebral cortical synaptosomes. Rowell PP, et al. **Neurochem Res** 1981 Dec; 6(12):1265–82
Metabolism of oleoyl–CoA in rat brain synaptosomes: effects of calcium and post–decapitative ischemia. Strosznajder J, et al. **Neurochem Res** 1981 Nov;6(11):1231–40
Resolution of monoamine uptake into binding and translocation components. Wood MD, et al. **Neuropharmacology** 1982 Apr;21(4):375–8
Met–enkephalin uptake by a synaptosome–enriched fraction of rat striatum. George SR, et al. **Neurosci Lett** 1981 Nov 4;26(3):297–300
Evidence for compartmentalization of glutamate in rat brain synaptosomes using the glutamate sensitivity of phosphate–activated glutaminase as a functional test. Kvamme E, et al. **Neurosci Lett** 1981 Sep 1;25(2):193–8
Phenobarbitone binding sites in rat brain synaptosomal membranes. Willow M, et al. **Neurosci Lett** 1981 Jul 17; 24(3):301–6
Binding of beta–bungarotoxin to Torpedo electric organ synaptosomes. A high resolution autoradiographic study. Esquerda JE, et al. **Neuroscience** 1982 Mar;7(3):751–8
Hemicholinium 3–bromo mustard: a new high affinity inhibitor of sodium–dependent high affinity choline uptake. Smart L. **Neuroscience** 1981;6(9):1765–70
Competitive inhibition of the uptake of adenosine into rat brain synaptosomes by prostaglandins. Bender AS, et al. **Pharmacol Res Commun** 1982 May;14(5):409–16
Effects of some rigid analogues of imipramine and amitriptyline on the uptake of noradrenaline, serotonin and choline in rat brain synaptosomes. Sparatore A, et al. **Pharmacol Res Commun** 1982 Mar;14(3):257–65
Lateralization of norepinephrine, serotonin and choline uptake into hippocampal synaptosomes of sinistral rats. Valdes JJ. et al. **Physiol Behav** 1981 Aug;27(2):381–3
Thiamine as an integral component of brain synaptosomal membranes. Matsuda T, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5886–9
Alcohol feeding alters (3H)dopamine uptake into rat cortical and brain stem synaptosomes. Tan AT, et al. **Prog Biochem Pharmacol** 1981;18:224–30
Vasoactive intestinal peptide stimulates luteinizing hormone–releasing hormone release from median eminence synaptosomes. Samson WK, et al. **Regul Pept** 1981 Aug; 2(4):253–64
Acetylcholine synthesis in synaptosomes: mode of transfer of mitochondrial acetyl coenzyme A. Benjamin AM, et al. **Science** 1981 Sep 25;213(4515):1495–7
High–affinity choline transport in proteoliposomes derived from rat cortical synaptosomes. Meyer EM, et al. **Science** 1982 Aug 27;217(4562):843–5
Localization of sites for 125I–labelled botulinum neurotoxin at murine neuromuscular junction and its binding to rat brain synaptosomes. Dolly JO, et al. **Toxicon** 1982; 20(1):141–8
[Ethanol and synaptosomal calcium binding] Harris RA, et al. **Biochem Pharmacol** 1982 May 1;31(9):1790–2 **(Chi)**
[L–Glutamine transport into synaptosomes isolated from rat brain] Besagni D, et al. **C R Seances Acad Sci [III]** 1981 Jul 6;293(1):85–8 (Eng. Abstr.) **(Fre)**
[Role of sialo compounds in choline uptake by synaptosomes] Wong TY, et al. **C R Seances Acad Sci [III]** 1981 Jul 6; 293(1):31–7 (Eng. Abstr.) **(Fre)**
[Citrate metabolism in the rat brain under normal conditions and in hypoxia. Summary of the thesis] Rafałowska U. **Neuropatol Pol** 1981 Apr–Jun;19(2):283–91 **(Pol)**
[Effect of phospholipase A2 from the venoms of bee and Middle Asian cobra on choline uptake by synaptosomes] Kocherga VI, et al. **Biokhimiia** 1981 Sep;46(9):1552–7 (Eng. Abstr.) **(Rus)**
[Nipecotic acid, a competitive inhibitor of the net uptake of 3H–GABA by rat brain synaptosomes] Kovalev GI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):692–4 (Eng. Abstr.) **(Rus)**
[Effect of peritol on serotonin uptake by synaptosomes of brain limbic structures and blood platelets in normal and adrenalectomized rats] Kononenko VIa, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):676–80 **(Rus)**
[Inhibition of noradrenaline and choline active capture by rat brain synaptosomes in the presence of terephthalic acid and its dimethyl ester] Davidenko AV, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):211–3 (Eng. Abstr.) **(Rus)**
[Role of Ca2+ and Mg2+ ions in the mechanism of presynaptic effect of central M– and N–cholinolytics] Semenov EV. **Vopr Med Khim** 1982 Jan–Feb;28(1):67–71 **(Rus)**

PHYSIOLOGY

Fluorescence changes of rhodamine 6G associated with changes in membrane potential in synaptosomes. Aiuchi T, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):289–96
Acetylcholine release and muscarinic receptors in cortical synaptosomes from epileptic rats. Coutinho–Netto J, et al. **Exp Neurol** 1981 Dec;74(3):837–46
Differential labeling of depot and active acetylcholine pools in nondepolarized and potassium–depolarized rat brain synaptosomes. Suszkiw JB, et al. **J Neurochem** 1982 Jun; 38(6):1668–75
Membrane potential of olfactory bulb synaptosomal fractions: characterization with the lipophilic cation tetraphenylphosphonium. Rochel S, et al. **J Neurosci** 1981 Oct;1(10):1180–92
A method for studying synaptosomal release of neurotransmitter candidates, as evaluated by studies on cortical cholecystokinin octapeptide release. Klaff LJ, et al. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):155–61
Characterization of alpha–latrotoxin interaction with rat brain synaptosomes and PC12 cells. Grasso A, et al. **Toxicon** 1982;20(1):149–56
Electrophysiological analysis of the presynaptic action of beta–bungarotoxin in the central nervous system. Halliwell JV, et al. **Toxicon** 1982;20(1):121–7

RADIATION EFFECTS

Calcium accumulation and retention by synaptosomes irradiated with high–energy electrons. Ely MJ, et al. **Radiat Res** 1981 Dec;88(3):623–30

SECRETION

Continuous determination by a chemiluminescent method of acetylcholine release and compartmentation in Torpedo electric organ synaptosomes. Israël M, et al. **J Neurochem** 1981 Dec;37(6):1475–83
Carnosine release from olfactory bulb synaptosomes is calcium–dependent and depolarization–stimulated. Rochel S, et al. **J Neurochem** 1982 Jun;38(6):1505–14
Control of noradrenaline release from hippocampal synaptosomes. West DP, et al. **J Neurochem** 1981 Oct; 37(4):1052–3
The stimulus–induced release of unmetabolized 5–hydroxytryptamine from superfused rat brain synaptosomes. Collard KJ, et al. **J Neurosci Methods** 1981 Aug;4(2):163–79

ULTRASTRUCTURE

Morphology of developing cerebral cortical synaptosomal fractions isolated from eu– and hypothyroid rats. Battie CA, et al. **Brain Res** 1982 Feb;255(2):219–27
A rapid method for preparing synaptosomes: comparison, with alternative procedures. Dodd PR, et al. **Brain Res** 1981 Dec 7;226(1–2):107–18
The rapid preparation of synaptosomes, using a vertical rotor. Wood MD, et al. **J Neurochem** 1981 Sep;37(3):795–7
Structural destabilization of synaptosomal particles by lysis and sequential chemical treatments. Crawford GD, et al. **J Neurocytol** 1981 Jun;10(3):457–73
Ethanol disordering of spin–labeled mouse brain membranes: correlation with genetically determined ethanol sensitivity of mice. Goldstein DB, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4231–3
[A simple method for the accumulation of synaptosomal membranes] Repke H, et al. **Z Med Lab Diagn** 1981; 22(2):94–9 **(Ger)**

SYNCHROCYCLOTRONS see **PARTICLE ACCELERATORS**

SYNCHROTRONS see **PARTICLE ACCELERATORS**

SYNCOPE

Syncope. Miller AG Jr. **Dent Clin North Am** 1982 Jan; 26(1):119–22

CHEMICALLY INDUCED

[Sudden arrest of respiration and attacks of syncope induced by small dose of quinidine––report of the clinical data of 6 cases (author's transl)] Cui GG. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):439–41 **(Chi)**

COMPLICATIONS

Glossopharyngeal neuralgia associated with syncope and seizures. St. John JN. **Neurosurgery** 1982 Mar;10(3):380–3
[Study on the vasospastic angina with syncope (author's transl)] Hiasa Y, et al. **Kokyu To Junkan** 1982 Feb; 30(2):221–4 (Eng. Abstr.) **(Jpn)**
[Six cases of Jervell and Lange–Nielsen syndrome–epidemiological study of 8 schools for the deaf (author's transl)] Kawano M, et al. **Kokyu To Junkan** 1981 May;29(5):553–62 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Reflex cardiac arrest presenting as epilepsy. Braham J, et al. **Ann Neurol** 1981 Sep;10(3):277–8
Syncope of unknown origin. The need for a more cost–effective approach to its diagnosis evaluation. Kapoor WN, et al. **JAMA** 1982 May 21;247(19):2687–91
Continuous ambulatory simultaneous EEG/ECG recording [letter] **Neurology (NY)** 1982 Apr;32(4):458
[Jervell–Lang Nielsen syndrome. Differential diagnosis in epilepsy and angina pectoris] Hansen PH. **Ugeskr Laeger** 1981 Jun 22;143(26):1662–3 (Eng. Abstr.) **(Dan)**
[The syncopal attack. definition and differential diagnosis] Lohmann FW. **Ther Ggw** 1981 Jun;120(6):537–42 **(Ger)**
[The importance of prompt diagnosis for intensive therapy] Röse W. **Z Arztl Fortbild (Jena)** 1981 Oct 1;75(19):899–901 **(Ger)**
[Syncope. A year's material from an general medical department] Alexandersen O. **Tidsskr Nor Laegeforen** 1981 Dec 10;101(34–36):1954–6 (Eng. Abstr.) **(Nor)**

ETIOLOGY

A new nonvascular interpretation of syncopal migraine. Sicuteri F, et al. **Adv Neurol** 1982;33:199–208
Carotid sinus syncope as a manifestation of parotid tumors. Mathew TM, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):316–9
Convulsive syncope in blood donors. Lin JT, et al.

Ann Neurol 1982 May;11(5):525–8
Coronary artery spasm with sinus node dysfunction and syncope. Bashour TT, et al. **Arch Intern Med** 1982 Sep; 142(9):1719–21
Coronary artery spasm appearing as syncope. Beltran P, et al. **Arch Intern Med** 1982 Jan;142(1):192–4
Carotid sinus syncope [editorial] Leatham A. **Br Heart J** 1982 May;47(5):409–10
Syncope in hypertrophic cardiomyopathy. McKenna W, et al. **Br Heart J** 1982 Feb;47(2):177–9
Cough syncope: a complication of adult whooping cough. Jenkins P, et al. **Br J Dis Chest** 1981 Jul;75(3):311–3
Cardiac rhythm abnormalities in patients presenting with transient non-focal neurological symptoms: a diagnostic grey area? de Bono DP, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1437–9
Syncope. Noble RJ. **Cardiovasc Clin** 1981;12(1):119–30
Preventable sudden death: the 'long Q–T syndrome'. Neel EU. **J Adolesc Health Care** 1981 Sep;2(1):49–51
An evaluation of falls, syncope, and dizziness by prolonged ambulatory cardiographic monitoring in a geriatric institutional setting. Gordon M, et al. **J Am Geriatr Soc** 1982 Jan;30(1):6–12
Micturition syncope. Godec CJ, et al. **J Urol** 1981 Oct; 126(4):551–2
Patients with syncope admitted to medical intensive care units. Silverstein MD, et al. **JAMA** 1982 Sep 10; 248(10):1185–9
Alpha-methyldopa and carotid-sinus hypersensitivity [letter] Morley CA, et al. **N Engl J Med** 1981 Dec 3;305(23):1418
Syncope caused by cough-induced complete atrioventricular block. Hart G, et al. **PACE** 1982 Jul;5(4):564–6
Rapid AV nodal re-entrant tachycardias presenting with syncope or pre-syncope: use of electrophysiological studies to select therapy. Wiener I, et al. **PACE** 1982 Mar; 5(2):173–9
The prolonged QT syndrome in childhood. Case reports. Benatar A, et al. **S Afr Med J** 1982 Jul 24;62(4):139–41
[Transient loss of consciousness in ischaemic cerebral events. A study of 557 ischaemic strokes and transient ischaemic attacks (author's transl)] Bousser MG, et al. **Ann Med Interne (Paris)** 1981;132(5):300–5 (Eng. Abstr.) **(Fre)**
[Giant aneurysm of both vertebral arteries. Drop-attacks (author's transl)] Gautier JC, et al. **Rev Neurol (Paris)** 1982; 138(1):63–7 (Eng. Abstr.) **(Fre)**
[Syncope attack] Schranz W. **Fortschr Med** 1981 Jan 29; 99(4):92–5 **(Ger)**
[A 23-year-old Lebanese (Egypt sojourn) with stress dyspnea, syncope and liver parenchyma damage] Kluge F, et al. **Internist (Berlin)** 1981 Nov;22(11):705–9 **(Ger)**
[Syncope in the carotid sinus syndrome] **MMW** 1982 Mar 12;124(10):89 **(Ger)**
[Unconsciousness as a result of cardiac arrhythmias] Enke KU. **Ther Ggw** 1981 Nov;120(11):1010–25 **(Ger)**
[Diagnosis and therapy of orthostatic circulatory disorders as the origin of syncopal attacks] Franz IW. **Ther Ggw** 1981 Jun;120(6):543–56 **(Ger)**
[Electrophysiological findings and follow-up in patients with syncope (author's transl)] Yeh HL, et al. **Z Kardiol** 1982 Apr;71(4):263–70 (Eng. Abstr.) **(Ger)**
[Indeterminate syncopal attacks of cardiac etiology in old age] Förster A, et al. **ZFA (Dresden)** 1981;36(3):167–72 **(Ger)**
[Syncope and prinzmetal phenomenon without angor. A case report (author's transl)] Capucci A, et al. **G Ital Cardiol** 1981;11(6):840–6 **(Ita)**
[Syncopal bradyarrhythmias during acute myocardial ischemia without chest pain (author's transl)] Chimienti M, et al. **G Ital Cardiol** 1982;11(11):1809–13 (Eng. Abstr.) **(Ita)**
[Syncope caused by electro-mechanical dissociation in painless variant angina pectoris] Svetoni N, et al. **G Ital Cardiol** 1981;11(10):1556–63 **(Ita)**
[Two-dimensional echocardiographic findings during syncopal attack due to obstruction in the outflow tract of the left ventricle in a patient with hypertrophic obstructive cardiomyopathy (author's transl)] Nishiyama S, et al. **J Cardiogr** 1981 Jun;11(2):439–48 (Eng. Abstr.) **(Jpn)**
[Case of tussive syncope] Zakariadze TV, et al. **Probl Tuberk** 1981 Dec;(12):64–6 **(Rus)**
[Nonspecific brain systems in neurogenic syncopes] Mazhukin VI, et al. **Sov Med** 1981;(9):48–52 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

A study of the inheritance pattern of Romano-Ward syndrome. Prolonged Q–T interval, syncope, and sudden death. Itoh S, et al. **Clin Pediatr (Phila)** 1982 Jan;21(1):20–4
[Familial Q–T prolongation syndrome (author's transl)] Qi SS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):132–3 **(Chi)**

PATHOLOGY

[5 cases of the cough-syncope syndrome] Jarema M, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):537–9 **(Pol)**

PHYSIOPATHOLOGY

Intracardiac electrophysiologic techniques in recurrent syncope of unknown case. DiMarco JP, et al. **Ann Intern Med** 1981 Nov;95(5):542–8
Cerebral blood flow changes in orthostatic dysregulation fainters. Shimizu H, et al. **Brain Dev** 1982;4(1):21–6
Orthostatic fluid–electrolyte and endocrine responses in fainters and nonfainters. Shvartz E, et al. **J Appl Physiol** 1981 Dec;51(6):1404–10
[The 'genuine' reflex cardiovascular syncope attack. Part 1] Schiffter R. **Ther Ggw** 1981 Sep;120(9):788–805 **(Ger)**
[Characterization of the status of nonspecific brain systems in cerebral autonomic-vascular crises and neurogenic syncope] Veĭn AM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(7):988–94 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Epidemic faintness: a psychophysiological investigation. Boulougouris JC, et al. **Psychiatr Clin (Basel)** 1981; 14(4):215–25
[Psychogenic fainting in medical practice] Stumpfe KD. **ZFA (Stuttgart)** 1982 Mar 31;58(9):493–7 **(Ger)**

THERAPY

Carotid sinus syncope treated by pacing. Analysis of persistent symptoms and role of atrioventricular sequential pacing. Morley CA, et al. **Br Heart J** 1982 May;47(5):411–8
[Use of hyperbaric oxygenation in paroxysmal states due to vertebrobasilar insufficency] Shal'kevich VB. **Vrach Delo** 1982 May;(5):73–5 (Eng. Abstr.) **(Rus)**

SYNDACTYLIA

CLASSIFICATION

Congenital central ray deficiency in the hand– a survey of 59 cases and subclassification. Tada K, et al. **J Hand Surg** 1981 Sep;6(5):434–41

COMPLICATIONS

No link between Poland syndrome and leukemia? [letter] Gilman PA, et al. **Am J Dis Child** 1982 Feb;136(2):176
Mitral valve prolapse and partial syndactyly of the hands. Fitzharris JW. **Clin Cardiol** 1982 Mar;5(3):231–3
Bilateral cryptophthalmos-syndactyly syndrome. Gupta GP, et al. **Indian J Ophthalmol** 1981 Jan;28(4):231–5
[Focal dermal hypoplasia syndrome (Goltz-Gorlin syndrome) (author's transl)] Seemanová E, et al. **Cesk Dermatol** 1982 Apr;57(2):79–83 (Eng. Abstr.) **(Cze)**
[A case of congenital pure red cell anemia, accompanied by thenar defect, syndactyly, and cardiovascular anomalies (author's transl)] Fujiwara K, et al. **Rinsho Ketsueki** 1981 Dec;22(12):1948–54 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Syndactyly type V. Robinow M, et al. **Am J Med Genet** 1982 Apr;11(4):475–82
Present nosology of the Cenani-Lenz type of syndactyly. Pfeiffer RA, et al. **Clin Genet** 1982 Jan;21(1):74–9
Familial dermatoglyphic analysis in syndactyly type I. Matton M, et al. **J Hand Surg** 1981 Nov;6(6):537–42
A case of the orocraniodigital (Juberg-Hayward) syndrome. Nevin NC, et al. **J Med Genet** 1981 Dec;18(6):478–81
[A pedigree of syndactyly and triphalangeal thumb in three consecutive generations (author's transl)] Xiao KZ. **Chung Hua I Hsueh Tsa Chih** 1981 Dec;61(12):758–61 (Eng. Abstr.) **(Chi)**
[Oculo-dental-digital dysplasia: report of a case with spastic paraplegia] Nivelon-Chevallier A, et al. **J Genet Hum** 1981 Jun;29(2):171–9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Oculo-dento-osseous dysplasia] Moreau PG, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):683–6 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Vascular changes in developmental defects of the upper extremities in children, based on angiographic data] Vodolazov IuA, et al. **Klin Khir** 1981 Jun;(6):42–6 **(Rus)**
[Synostosis of hand and foot bones] Aliev AB. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):87–9 **(Rus)**

SURGERY

Syndactylism and its surgical repair. Coleman WB, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):545–50
[Syndactylism of the hand. Pathogenetic and therapeutic aspects (author's transl)] Feller AM, et al. **Z Kinderchir** 1981 Jun;33(2):166–74 (Eng. Abstr.) **(Ger)**
[Surgical treatment of syndactylia in recessive dystrophic epidermolysis bullosa (author's transl)] Lamesch A, et al. **Z Kinderchir** 1982 Mar;35(3):118–20 (Eng. Abstr.) **(Ger)**

SYNDROME see under **DISEASE**

SYNEPHRINE

DIAGNOSTIC USE

[Tests of cardiocirculatory function with p-methylamino-ethanolphenol tartrate] Stramba-Badiale M, et al. **Clin Ter** 1981 Mar 15;96(5):535–8 (Eng. Abstr.) **(Ita)**

METABOLISM

Identification and quantitative determination of m-hydroxyphenylglycol in mammalian urine. Crowley JR, et al. **Biomed Mass Spectrom** 1982 Apr;9(4):146–52

SYNGAMIASIS

COMPLICATIONS

Bronchial syngamosis as cause of chronic cough [letter] Mornex JF, et al. **Lancet** 1981 Nov 21;2(8256):1166

SYNGAMUS

ANATOMY & HISTOLOGY

[Syngamus trachea (Mont. 1811) Chapin 1925 found in Gavia stellata (Pont. 1763)] Okulewicz A. **Wiad Parazytol** 1981; 27(4–5):665–7 **(Pol)**

SYNOSTOSIS

[An unusual morphological anomaly of the carpal skeleton: the os lunato-triquetrum (semilunar-pyramidal synostosis)] Battaglia L, et al. **Chir Organi Mov** 1979 May–Jun; 65(3):347–9 **(Ita)**

COMPLICATIONS

Bilateral pseudoankylosis of the temporomandibular joint due to synostoses between the mandible and maxilla. Super S, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):590–2
[Clinico-electromyographic examinations in craniovertebral anomalies] Kir'iakov VA, et al. **Sov Med** 1981;(11):63–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Naviculo-cuneiform coalition: a case report. Miki T, et al. **J Foot Surg** 1979 Summer;18(2):81–2

ETIOLOGY

Bone fusion in the foetal alcohol syndrome. Jaffer Z, et al. **J Bone Joint Surg [Br]** 1981;63B(4):569–71
Tarsal coalitions: an instructional review. Jacobs AM, et al. **J Foot Surg** 1981 Winter;20(4):214–21 (49 ref.)
Talectomy leading to an ankle fusion: a case history. Poss K, et al. **J Foot Surg** 1979 Summer;18(2):76–81

FAMILIAL & GENETIC

[Radioulnar synostosis as characteristic feature of chromosome aberrations (author's transl)] Küsswetter W, et al. **Z Orthop** 1981 Feb;119(1):10–3 (Eng. Abstr.) **(Ger)**
[Clinico-radiological study of congenital radio ulnar synostosis] Luna E, et al. **Chir Ital** 1981 Apr;33(2):626–34 **(Ita)**
[Semilunar-pyramidal synostosis. 2 familial cases, including 1 surgically-treated, incomplete and painful case] Nardini C. **Chir Organi Mov** 1979 Sep–Oct;65(5):623–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

The relationship of rapid maxillary expansion to surgery with special reference to midpalatal synostosis. Timms DJ, et al. **Br J Oral Surg** 1981 Sep;19(3):180–96

RADIOGRAPHY

Synostosis lunato-triquetra. A case-report of a rare congenital malformation. van der Linden W, et al. **Anat Anz** 1982;151(1):101–3
[Symphalangism (author's transl)] Seigneuric C, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):213–6 (Eng. Abstr.) **(Fre)**
[Congenital synostosis of the arcus anterior atlantis with the dens axis] Klaus E, et al. **ROFO** 1982 Jan;136(1):91–2 **(Ger)**

SURGERY

[Radiocubital congenital synostosis. Report on one case in two uniovular female twins (author's transl)] de la Caffiniere JY, et al. **Chir Pediatr** 1982 Mar–Apr; 23(2):129–32 **(Fre)**

SYNOVIAL CYST

COMPLICATIONS

Entrapment neuropathy of the inferior branch of the suprascapular nerve by ganglia. Thompson RC Jr, et al. **Clin Orthop** 1982 Jun;(166):185–7
Popliteal cysts, femoral erosion and degenerative changes in the knee joint. Fenelon MJ, et al. **J Can Assoc Radiol** 1982 Mar;33(1):28–31
Compression of posterior interosseous nerve by a ganglion--case report. Mass DP, et al. **J Hand Surg** 1982 Jan;7(1):92–4
Rupture of a posterior synovial cyst of the elbow. Pirani M, et al. **J Rheumatol** 1982 Jan–Feb;9(1):94–6

DIAGNOSIS

Evaluation of popliteal cysts and painful calves with ultrasonography: comparison with arthrography. Gompels BM, et al. **Ann Rheum Dis** 1982 Aug;41(4):355–9

Popliteal cysts. Moore PT. **Semin Roentgenol** 1982 Jan; 17(1):3–4

Similar thermographic pattern of deep vein thrombosis and ruptured Baker's cyst. Jacobsson H. **Vasa** 1982;11(2):139–43

[Dermatological manifestations of synovial cysts of the lower limbs (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1981;108(6–7):531–6 (Eng. Abstr.) **(Fre)**

[Meniscus ganglia. Diagnosis and differential diagnosis] Biehl T, et al. **Fortschr Med** 1982 Jan 21;100(3):74–6 (Eng. Abstr.) **(Ger)**

[The value of positive arthrography in the diagnosis and pathogenesis of retrofemoral Baker's cysts (author's transl)] Grepl J. **Z Orthop** 1982 Feb;120(1):1–4 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of adnexal swelling (pelvic synovial cyst)] Aletti L, et al. **Minerva Ginecol** 1981 Dec; 33(12):1165–6 **(Ita)**

ETIOLOGY

Pathogenesis, clinic, and treatment of ganglion. Soren A. **Arch Orthop Trauma Surg** 1982;99(4):247–52

PATHOLOGY

All wrist masses are not ganglions. A review of the extensor digitorum brevis manus. Wise DM, et al. **Mo Med** 1981 Nov;78(11):694–6,700

RADIOGRAPHY

Dissecting synovial cysts of the shoulder: a complication of chronic rotator cuff tears. Nance EP Jr, et al. **AJR** 1982 Apr;138(4):739–41

Communicating semimembranoso–gastrocnemial Bursa. Ritsema GH. **Diagn Imaging** 1981;50(4):178–85

Ruptured Baker's cyst: a radiological diagnosis. Hatlinghus S, et al. **Eur J Radiol** 1981 May;1(2):85–7

Knee arthrography for the preoperative evaluation of juxta–articular masses. De Smet AA, et al. **Radiology** 1982 Jun;143(3):663–6

Case report 181: calcified popliteal cyst (Baker cyst). Kattapuram SV. **Skeletal Radiol** 1982 Jan;7(4):279–81

Case report 170: subperiosteal synovial cyst of knee. Rosenthal DI, et al. **Skeletal Radiol** 1981;7(2):142–5

[The meniscus ganglion. Early diagnosis by measurements of standardised arthrograms (author's transl)] Schäfer H. **ROFO** 1982 May;136(5):505–14 (Eng. Abstr.) **(Ger)**

[Mucous cysts of the bone or osseous 'ganglia': clinical and anatomo–radiological considerations] Priolo F, et al. **Radiol Med (Torino)** 1982 Jun;68(6):489–93 **(Ita)**

[Differential diagnosis of subpopliteal fossa changes] Bednarek J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):483–6 (Eng. Abst.) **(Pol)**

RADIONUCLIDE IMAGING

Intra–articular radionuclides for the detection of synovial cysts [letter] Adisehan N. **Clin Nucl Med** 1982 May; 7(5):243–4

SURGERY

Carpal tunnel syndrome caused by a simple ganglion. Harvey FJ, et al. **Hand** 1981 Jun;13(2):164–6

The office treatment of simple paronychias and ganglions. Lee TC. **Med Times** 1981 Sep;109(9):49–51, 54–5

['Turning–out' suture versus enucleation method in treatment of ganglion (author's transl)] Wang DZ. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):492–3 (Eng. Abstr.) **(Chi)**

[The giant ganglion of the coxofemoral joint. Personal case] Viola S, et al. **Minerva Chir** 1981 Sep 15;36(17):1115–8 **(Ita)**

SYNOVIAL FLUID

Eosinophilic synovial effusions complicating chronic urticaria and angioedema. Klofkorn RW, et al. **Arthritis Rheum** 1982 Jun;25(6):708–9

Preliminary trial of synovial fluid transfer for treating joint lameness in Standardbreds. Rülcker C, et al. **Equine Vet J** 1981 Oct;13(4):264–6

Ferrography—a new method for isolation of particles from biological fluids. Hunter JA, et al. **J Clin Pathol** 1982 Jun; 35(6):689–90

Examination of the synovial fluid. Samuelson CO Jr, et al. **J Fam Pract** 1982 Feb;14(2):343–9

ANALYSIS

DNA synthesis–potentiating activity on mouse thymocytes of synovial fluid of rheumatoid arthritis patients. Ise K, et al. **Acta Pathol Jpn** 1982 May;32(3):491–503

Quantitation of hyaluronic acid in equine synovia. Rowley G, et al. **Am J Vet Res** 1982 Jun;43(6):1096–9

Aqueous procaine penicillin G in the horse: serum, synovial, peritoneal, and urine concentrations after single–dose intramuscular administration. Stover SM, et al. **Am J Vet Res** 1981 Apr;42(4):629–31

Fibronectin in rheumatoid and non–rheumatoid arthritic synovial fluids and in synovial fluid cryoproteins. Lu–Steffes M, et al. **Ann Clin Lab Sci** 1982 May–Jun; 12(3):178–85

Lactate UV–system: a rapid method for diagnosis of septic arthritis. Behn AR, et al. **Ann Rheum Dis** 1981 Oct; 40(5):489–92

Change of prostaglandin E level in joint fluids after treatment with flurbiprofen in patients with rheumatoid arthritis and osteoarthritis. Tokunaga M, et al. **Ann Rheum Dis** 1981 Oct;40(5):462–5

Gas–liquid chromatographic analysis of synovial fluid. Succinic acid and lactic acid as markers for septic arthritis. Borenstein DG, et al. **Arthritis Rheum** 1982 Aug; 25(8):947–53

Detection and quantitation of fibronectin in synovial fluid from patients with rheumatic disease. Carsons S, et al. **Arthritis Rheum** 1981 Oct;24(10):1261–7

Diagnostic potential of rapid electron microscopic analysis of joint effusions. Cherian PV, et al. **Arthritis Rheum** 1982 Jan;25(1):98–100

Different molecular forms of fibronectin in rheumatoid synovial fluid. Clemmensen I, et al. **Arthritis Rheum** 1982 Jan;25(1):25–31

DNA in synovial fluid and the circulation of patients with arthritis. Leon SA, et al. **Arthritis Rheum** 1981 Sep; 24(9):1142–50

Gonococcal arthritis–dermatitis syndrome. Study of serum and synovial fluid immune complex levels. Manicourt DH, et al. **Arthritis Rheum** 1982 May;25(5):574–8

Charcot–Leyden crystals in synovial fluid [letter] Ménard HA, et al. **Arthritis Rheum** 1981 Dec;24(12):1591–3

Identification of cartilage wear fragments in synovial fluid from equine joints. Tew WP, et al. **Arthritis Rheum** 1981 Nov;24(11):1419–24

The wear particles of synovial fluid: their ferrographic analysis and pathophysiological significance. Evans CH, et al. **Bull Prosthet Res** 1981 Fall;18(2):13–26

Cefoxitin antibiotic concentration in bone and synovial fluid. Schurman DJ, et al. **Clin Orthop** 1982 Aug;(168):64–8

Tolmetin kinetics and synovial fluid prostaglandin E levels in rheumatoid arthritis. Dromgoole SH, et al. **Clin Pharmacol Ther** 1982 Sep;32(3):371–7

Synovial fluid fibronectin [letter] Carsons S, et al. **Eur J Clin Invest** 1982 Feb;12(1):9

Fibronectin in synovial fluid and tissue in rheumatoid arthritis. Vartio T, et al. **Eur J Clin Invest** 1981 Jun; 11(3):207–12

Synovial fluid lactic acid measurement in the diagnosis and management of septic arthritis. Riordan T, et al. **J Clin Pathol** 1982 Apr;35(4):390–4

Chick 'crooked–toe' syndrome induced by polar lipid in synovial fluids from some rheumatoid arthritis patients. Diener TO, et al. **J Rheumatol** 1982 Mar–Apr;9(2):172–82

Measurement of beta–thromboglobulin connective tissue activating peptide–III platelet antigen concentrations in pathologic synovial fluids. Myers SL, et al. **J Rheumatol** 1982 Jan–Feb;9(1):6–12

Gentamicin sulfate in the horse: serum, synovial, peritoneal, and urine concentrations after single dose intramuscular administration. Brown MP, et al. **J Vet Pharmacol Ther** 1982 Jun;5(2):119–22

Synovial fluid lactate in septic arthritis [editorial] **Lancet** 1982 Jan 30;1(8266):261–2

Synovial fluid lactate [letter] Riley TV. **Lancet** 1982 Apr 24;1(8278):972

Synovial fluid lactate determinations as a diagnostic aid in cases of monoarticular arthritis. Paulsen O, et al. **Scand J Infect Dis** 1981;13(3):239–40

Measurement of soluble pyrophosphate in plasma and synovial fluid of patients with various rheumatic diseases. Micheli A, et al. **Scand J Rheumatol** 1981;10(3):237–40

Ibuprofen levels in serum and synovial fluid. Mäkelä AL, et al. **Scand J Rheumatol [Suppl]** 1981;39:15–7

Collagen–related hydroxyproline in rheumatoid and osteoarthritic synovial fluids. Ferraccioli GF, et al. **Z Rheumatol** 1981 Sep–Oct;40(5):205–7

[Beta–2 microglobulin in the serum and synovial fluid of patients with rheumatoid arthritis and reactive synovitis due to local causes (author's transl)] Hrnčíř Z, et al. **Cas Lek Cesk** 1981 Oct 22;120(42):1273–6 (Eng. Abstr.) **(Cze)**

[Complement in the synovial fluid. Diagnostic usefulness of its correction with protein fractions] Gambari PF, et al. **Recenti Prog Med** 1981 Jul;71(1):69–75 (Eng. Abstr.) **(Ita)**

[A study on the lipid peroxide and its scavenging enzymes in rheumatoid arthritis (author's transl)] Kaneda H. **Nippon Seikeigeka Gakkai Zasshi** 1982 May;56(5):387–97 (Eng. Abstr.) **(Jpn)**

[Determination of the concentration of free and protein–bound hydroxyproline in synovial fluid] Guseva ED. **Lab Delo** 1982;(6):14–7 **(Rus)**

[Glycosaminoglycans of synovial fluid in the evaluation of acute synovitis in gout and rheumatoid arthritis] Novoselova TM. **Ter Arkh** 1981;53(7):14–7 (Eng. Abstr.) **(Rus)**

[Diagnosis of mono– and oligoarthritis of different etiologies] Erov NK, et al. **Vopr Revm** 1982 Jan–Mar;(1):41–4 **(Rus)**

CYTOLOGY

Frequency of occurrence, mode of development, and significance or rice bodies in rheumatoid joints. Popert AJ, et al. **Ann Rheum Dis** 1982 Apr;41(2):109–17

Ia+ T cells in synovial fluid and tissues of patients with rheumatoid arthritis. Burmester GR, et al. **Arthritis Rheum** 1981 Nov;24(11):1370–6

LE cells in Reiter's syndrome [letter] Tomlinson IW, et al. **Arthritis Rheum** 1982 Feb;25(2):239–40

A direct simultaneous plate assay of proteoglycan and collagen degradation by cells in culture and its application to synovial cells. Peeters–Joris C, et al. **Biochem J** 1981 Apr 15;196(1):95–104

Morphological effects of prostaglandins E1, E2 and F2 alpha on fibroblast–like cultures of human synovial cells. Clarris BJ. **Experientia** 1982 Mar 15;38(3):350–1

Synovial fluid lymphocytes differ from peripheral blood lymphocytes in patients with rheumatoid arthritis. Fox RI, et al. **J Immunol** 1982 Jan;128(1):351–4

Studies of rheumatoid synovial fluid lymphocytes. I. Evidence for activated natural killer– (NK) like cells. Silver RM, et al. **J Immunol** 1982 Apr;128(4):1758–63

The effects on synovial permeability and synovial fluid leukocyte counts in symptomatic osteoarthritis after intraarticular corticosteroid administration. Eymontt MJ, et al. **J Rheumatol** 1982 Mar–Apr;9(2):198–203

alpha 2–Macroglobulin as an inclusion in synovial fluid monocytes. Flory E, et al. **Rheumatol Int** 1981;1(2):61–4

The cytology of joint exudates in rheumatoid arthritis. Morphology and preparation techniques. Bjelle A, et al. **Scand J Rheumatol** 1982;11(2):124–8

Investigation of blood platelets in synovial fluid from patients with rheumatoid arthritis. Endresen GK. **Scand J Rheumatol** 1981;10(3):204–8

[Chyliform effusions in rheumatoid arthritis. Cytochemical and ultrastructural studies of the foam cells] Taccari E, et al. **Rev Rhum Mal Osteoartic** 1981 Jul–Sep; 48(7–9):555–62 (Eng. Abstr.) **(Fre)**

[Unusual nucleolar types in lymphocytes of inflammatory joint exudates] Smetana K, et al. **Z Rheumatol** 1981 Mar–Apr;40(2):93–6 (Eng. Abstr.) **(Ger)**

[LE phenomenon in the synovial fluid in rheumatoid arthritis] Zimmermann–Górska I. **Reumatologia** 1981;19(1):7–12 (Eng. Abstr.) **(Pol)**

[Mechanism responsible for the cellular nature of rheumatoid effusions] Svartman C, et al. **AMB** 1981 Dec;27(12):365 (Eng. Abstr.) **(Por)**

[Scanning electron microscopy of the synovial membrane and synovial fluid] Mul'diarov PIa. **Vopr Revm** 1981 Oct–Dec;(4):55–9 (63 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effect of intra–articular injection of orgotein and saline solution on equine synovia. Wagner AE, et al. **Am J Vet Res** 1982 Apr;43(4):594–7

ENZYMOLOGY

Increased level of translatable collagenase messenger ribonucleic acid in rabbit synovial fibroblasts treated with phorbol myristate acetate or crystals of monosodium urate monohydrate. Brinckerhoff CE, et al. **Biochemistry** 1982 May 25;21(11):2674–9

Modulation by retinoic acid and corticosteroids of collagenase production by rabbit synovial fibroblasts treated with phorbol myristate acetate or poly(ethylene glycol). Brinckerhoff CE, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):424–32

Identification of plasma kallikrein as an activator of latent collagenase in rheumatoid synovial fluid. Nagase H, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):133–42

A remarkable increase of superoxide dismutase activity in synovial fluid of patients with rheumatoid arthritis. Igari T, et al. **Clin Orthop** 1982 Jan–Feb;(162):282–7

Collagenase production by cloned populations of rabbit synovial fibroblasts. Brinckerhoff CE, et al. **Coll Relat Res** 1981 Sep;1(5):433–44

Preparation of a monospecific antibody to purified rabbit synovial fibroblast collagenase. Vater CA, et al. **Coll Relat Res** 1981;1(6):527–42

Cytochemical detection of proteases in synovial fluid of arthritic joints. Johannes ML, et al. **Histochemistry** 1981; 73(1):49–56

A precursor form of latent collagenase produced in a cell–free system with mRNA from rabbit synovial cells. Nagase H, et al. **J Biol Chem** 1981 Dec 10;256(23):11951–4

Active and latent collagenases in rheumatoid synovial fluid with special reference to the pathological state of the joint tissues. Nakamura T, et al. **Ryumachi** 1981 May; 21(3):166–72

[Diagnostic role of determination of hexokinase activity in the synovial fluid of knee joints] Logvinenko IuB, et al. **Lab Delo** 1982;(4):212–4 **(Rus)**

IMMUNOLOGY

Antigen handling in antigen–induced arthritis in mice: an autoradiographic and immunofluorescence study using whole joint sections. van den Berg WB, et al. **Am J Pathol** 1982 Jul;108(1):9–16

Serum and synovial fluid Ig, C3 and CRP levels in rheumatoid arthritis. Ionescu Dorohoi T, et al.

Arch Roum Pathol Exp Microbiol 1981 Oct-Dec; 40(4):305-11

Synovial immunoglobulin and antibody in vaccinated and nonvaccinated calves challenged with Mycoplasma bovis. Chima JC, et al. **Can J Comp Med** 1981 Jan;45(1):92-6

Molecular analysis of complement-fixing rheumatoid synovial fluid immune complexes. Male DK, et al. **Clin Exp Immunol** 1981 Dec;46(3):521-9

Hidden 19S IgM rheumatoid factor in synovial fluid. Neucks SH, et al. **J Rheumatol** 1981 Sep-Oct;8(5):811-4

T lymphocytes in blood and synovial fluid in rheumatoid arthritis [letter] Veys EM, et al. **Lancet** 1982 Jan 23; 1(8265):225-6

Induction of a lymphotoxin-like mediator in peripheral blood and synovial fluid lymphocytes by incubation with synovial fluid from patients with rheumatoid arthritis. Burmester GR, et al. **Rheumatol Int** 1981;1(3):139-43

Demonstration of C1q - binding to collagen - anticollagen immune complexes in synovial fluids of RA-patients. Menzel J, et al. **Z Rheumatol** 1982 Mar-Apr;41(2):47-9

[Rheumatoid factor in native and concentrated synovial fluid in the diagnosis of rheumatoid arthritis] Hrnčíř Z, et al. **Vnitr Lek** 1981 Dec;27(12):1160-6 (Eng. Abstr.) **(Cze)**

[Complement (C3)-activating material in synovial fluid from patients with rheumatoid arthritis] Stojan B. **Z Rheumatol** 1981 Sep-Oct;40(5):208-12 (Eng. Abstr.) **(Ger)**

[(Fab')2-antiglobulins in serum and synovial fluid in patients with chronic polyarthritis] Vorbeck A, et al. **Z Rheumatol** 1981 Jul-Aug;40(4):171-8 (Eng. Abstr.) **(Ger)**

[Comparative study of blood and synovial fluid levels and other parameters of beta-2-microglobulin in rheumatoid arthritis and arthrosis] Falus A, et al. **Orv Hetil** 1982 Apr 18;123(16):977-81 **(Hun)**

[Determination of the migration inhibition factor in the blood serum and synovial fluid in rheumatic diseases] Konenkov VI, et al. **Ter Arkh** 1982;54(6):34-6 (Eng. Abstr.) **(Rus)**

[Immunoglobulins in the oropharyngeal secretion, synovial fluid and blood serum of children with rheumatoid arthritis] Fokina TV, et al. **Vopr Revm** 1982 Jan-Mar;(1):29-33 **(Rus)**

[Cytological and immunological characteristics of synovial fluid in patients with rheumatoid arthritis] Makarova OV, et al. **Vopr Revm** 1981 Jul-Sep;(3):23-7 (Eng. Abstr.) **(Rus)**

METABOLISM

The record synovial effusion [letter] Leisen JC. **Arthritis Rheum** 1982 Mar;25(3):357

The synovial prostaglandin system in chronic inflammatory arthritis: differential effects of steroidal and nonsteroidal anti-inflammatory drugs. Bombardieri S, et al. **Br J Pharmacol** 1981 Aug;73(4):893-901

Protection against superoxide and hydrogen peroxide in synovial fluid from rheumatoid patients. Blake DR, et al. **Clin Sci** 1981 Oct;61(4):483-6

Synovial fluid and plasma fibronectin levels in rheumatoid arthritis. Scott DL, et al. **Clin Sci** 1982 Jan;62(1):71-6

Amikacin penetration into synovial fluid during treatment of septic arthritis. Honda DH, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):284-6

Calcium pyrophosphate deposition disease: a commonly unrecognized entity. Moss EG, et al. **J Med Soc NJ** 1981 May;78(5):369-72

Leukotriene B4 in synovial fluid. Davidson EM, et al. **J Pharm Pharmacol** 1982 Jun;34(6):410

Synovial fluid lactate in septic arthritis [letter] Kirwan JR. **Lancet** 1982 Feb 20;1(8269):457

A comparative study on the rate of de-esterification of dexamethasone phosphate and dexamethasone sulfate in synovial fluids. Sakaguchi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov;55(11):1621-5

The penetration of metronidazole into synovial fluid. Sattar MA, et al. **Postgrad Med J** 1982 Jan;58(675):20-4

[Local rheumatoid therapy. Indomethacin level in the synovia and serum after application of Amuno ointment] Miehle W, et al. **Fortschr Med** 1981 Nov 26;99(44):1830-3 (Eng. Abstr.) **(Ger)**

[Effect of the stimulated neutrophils from the synovial fluid of the patients with rheumatoid arthritis on the lymphocytes and tissues (author's transl)] Niwa Y, et al. **Nippon Naika Gakkai Zasshi** 1982 Jan 10;71(1):24-36 **(Jpn)**

MICROBIOLOGY

Therapy for septic arthritis. Ho G Jr, et al. **JAMA** 1982 Feb 12;247(6):797-800

Joint sepsis: a chance for cure [editorial] McCarthy DJ. **JAMA** 1982 Feb 12;247(6):835

Isolation of rubella virus from synovial fluid in five cases of seronegative arthritis. Grahame R, et al. **Lancet** 1981 Sep 26;2(8248):649-51

Recovery of microorganisms from synovial and pleural fluids of animals using hyperosmolar media. Buchanan AM, et al. **Vet Microbiol** 1982 Mar;7(1):19-33

Atypical colony-like structures developing in control media and in clinical L-form cultures containing serum. Buchanan AM. **Vet Microbiol** 1982 Mar;7(1):1-18

PATHOLOGY

Palindromic onset of rheumatoid arthritis. Clinical, synovial fluid, and biopsy studies. Schumacher HR. **Arthritis Rheum** 1982 Apr;25(4):361-9

PHYSIOLOGY

Inflammatory activities of synovial fluids from rheumatoid- and osteo-arthritis to guinea pig skin. Kambara T, et al. **Acta Pathol Jpn** 1982 Jul;32(4):575-83

The influence of synovial fluid from patients with rheumatoid arthritis on the proliferation of peripheral blood lymphocytes and the prostanoid release from monocytes. Seitz M, et al. **Agents Actions** 1981 Dec;11(6-7):606-8

Modes of lubrication in human hip joints. Roberts BJ, et al. **Ann Rheum Dis** 1982 Jun;41(3):217-24

The synovial cavity as a 'tissue culture in situ'--science or nonsense? Potenza AD, et al. **J Hand Surg** 1982 Mar; 7(2):196-9

Functional characteristics of synovial fluid and blood mononuclear cells in rheumatoid arthritis and traumatic synovitis. Petersen J, et al. **Scand J Rheumatol** 1982; 11(2):75-80

[Transformation of connective tissue cells by pathological altered synovial fluid as demonstrated by experimental studies (author's transl)] Fassbender HG. **Klin Wochenschr** 1981 Oct 1;59(19):1121-2 (Eng. Abstr.) **(Ger)**

[Biorheological contribution to the problem of rheumatic joint diseases] Ribitsch V, et al. **Z Rheumatol** 1981 Sep-Oct; 40(5):199-204 (Eng. Abstr.) **(Ger)**

[Movement of H2O through the pores of articular cartilage under load, with reference to the mechanism of lubrication of the joints] Guzzanti V, et al. **Arch Putti Chir Organi Mov** 1981;31:129-37 (Eng. Abstr.) **(Ita)**

[Pathogenesis of anemia in collagen diseases (4): effect of synovial fluid lymphocytes from rheumatoid arthritis (RA) patients on heme synthesis of human bone marrow erythroblasts (author's transl)] Sugimoto M, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Nov;44(6):1102-6 (Eng. Abstr.) **(Jpn)**

[[Nitroblue tetrazolium tests of blood and synovial fluid cells in rheumatoid arthritis and osteoarthritis (author's transl)] Ishihara Y. **Nippon Seikeigeka Gakkai Zasshi** 1981 May; 55(5):485-95 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Hypodermic needle separation during arthrocentesis [letter] Gottlieb NL. **Arthritis Rheum** 1981 Dec;24(12):1593-4

Synovial fluid total hemolytic complement activity in rheumatic diseases - a reappraisal. Sheppeard H, et al. **J Rheumatol** 1981 May-Jun;8(3):390-7

Experimental joint trauma: synovial response to blunt trauma and inflammatory reaction to intraarticular injection of fat. Weinberger A, et al. **J Rheumatol** 1981 May-Jun;8(3):380-9

SYNOVIAL MEMBRANE

The variable manifestations of extraarticular synovial chondromatosis. Karlin CA, et al. **AJR** 1981 Oct; 137(4):731-5

Tenosynovial chondromatosis of the shoulder. Small R, et al. **Bull Hosp Joint Dis** 1981;41:37-47

Motion, not immobility, advocated for healing synovial joints [news] Korcok M. **JAMA** 1981 Nov 6;246(18):2005-6

Synovial chondromatosis of the hand. Cremone JC Jr, et al. **Plast Reconstr Surg** 1982 May;69(5):871-4

Case report 176: Synovial chondromatosis of the ankle with extracapsular extension. Levinson ED, et al. **Skeletal Radiol** 1981;7(3):219-21

Ulnar palsy caused by synovial chondromatosis. Lister JR, et al. **Surg Neurol** 1981 Jun;15(6):428-30

[Synovial chondromatosis of the temporomandibular joint] Brants JF, et al. **Acta Stomatol Belg** 1982;79(1):37-44 (Eng. Abstr.) **(Dut)**

[Tuberculosis of the synovial membrane and tendons of the extensor muscles of the hand] Belov VM, et al. **Probl Tuberk** 1982 May;(5):68-9 **(Rus)**

[Synovial chondromatosis of the knee (author's transl)] Astorga G, et al. **Rev Med Chil** 1981 Aug;109(8):740-5 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunoelectron microscopic demonstration of prostaglandin E in rheumatoid synovium. Shiozawa S, et al. **Arthritis Rheum** 1982 Jun;25(6):685-93

PRedominance of type II collagen in synovial chondromatosis. Ryan LM, et al. **Clin Orthop** 1982 Aug; (168):173-7

Fibronectin in synovial fluid and tissue in rheumatoid arthritis. Vartio T, et al. **Eur J Clin Invest** 1981 Jun; 11(3):207-12

Appearance of anti-HLA-DR-reactive cells in normal and rheumatoid synovial tissue. Klareskog L, et al. **Scand J Immunol** 1981;14(2):183-92

[Ultrastructural and microanalytic study of gold depots in the synovial membrane of man and animals during treatment with sodium aurothiopropanol sulfonate] Laoussadi S, et al. **C R Soc Biol (Paris)** 1981;175(4):474-84 (Eng. Abstr.) **(Fre)**

[Assay of oxyphenbutazone in synovial tissue and articular cartilage] Gaucher A, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):157-9 **(Fre)**

[Studies on degradation of cartilage proteoglycan by rheumatoid synovial tissue. Part I: On the degraded products of proteoglycan (author's transl)] Shimizu K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov; 55(11):1585-94 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The distal interphalangeal joints of human fingers. Gigis PI, et al. **J Hand Surg** 1982 Mar;7(2):176-82

[Pathology of the synovial folds of the knee. Value of arthroscopy] Dorfmann H, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):67-73 (21 ref.) **(Fre)**

[Synovial folds of the knee (plica synoviales). Treatment under arthroscopy] Harrewyn JM, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):3-9 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Changes in the microcirculation in patients with rheumatoid arthritis during irradiation of affected joints with laser beams] Tupikin GV, et al. **Vopr Revm** 1981 Jul-Sep;(3):20-3 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Membrane properties and esterase activity of synovial lining cells: further evidence for a mononuclear phagocyte subpopulation. Edwards JC, et al. **Ann Rheum Dis** 1982 Jun;41(3):282-6

Human synovial fibroblast plasminogen activator. Modulation of enzyme activity by antiinflammatory steroids. Hamilton JH, et al. **Arthritis Rheum** 1981 Oct; 24(10):1296-303

The origin of type A synovial lining cells. Edwards JC. **Immunobiology** 1982 Apr;161(3-4):227-31

Effect of soluble products from lectin-stimulated lymphocytes on the growth, adhesiveness, and glycosaminoglycan synthesis of cultured synovial fibroblastic cells. Anastassiades TP, et al. **J Clin Invest** 1981 Sep;68(3):792-802

Streptococcal cell walls and synovial cell activation. Stimulation of synovial fibroblast plasminogen activator activity by monocytes treated with group A streptococcal cell wall sonicates and muramyl dipeptide. Hamilton JA, et al. **J Exp Med** 1982 Jun 1;155(6):1702-18

Ultrastructural evidence for two distinct types of synoviocytes in rat synovial membrane. Graabaek PM. **J Ultrastruct Res** 1982 Mar;78(3):321-39

[Study of human synovial cells in culture] Lhoest-Gauthier MP, et al. **Bull Assoc Anat (Nancy)** 1981 Dec; 65(191):459-66 (Eng. Abstr.) **(Fre)**

[Age-related changes in the synovial membrane of human knee joint] Bel'skaia OB. **Vopr Revm** 1982 Jan-Mar;(1):25-8 **(Rus)**

DRUG EFFECTS

Stimulation of the plasminogen activator activity of human synovial fibroblasts by retinoids. Hamilton JA. **Arthritis Rheum** 1982 Apr;25(4):432-40

Effects of all-trans-retinoic acid (retinoic acid) and 4-hydroxyphenylretinamide on synovial cells and articular cartilage. Brinckerhoff CE, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):591-602

The effect of cortisol on porcine articular tissues in organ culture. Tyler JA, et al. **J Pathol** 1982 Aug;137(4):335-51

The effect of water-soluble contrast media on the synovial membrane. Pastershank SP, et al. **Radiology** 1982 May; 143(2):331-4

Stimulation of secretion of collagenase and prostaglandin E2 by synovial fibroblasts in response to crystals of monosodium urate monohydrate: a model for joint destruction in gout. Hasselbacher P, et al. **Trans Assoc Am Physicians** 1981;94:243-52

[Changes in the synovial membrane and the articular cartilage after treatment with osmic acid] Szepesi J, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):126-34 (Eng. Abstr.) **(Ger)**

[DNA metabolism of synovial cells in chronic polyarthritis after intra-articular administration of prednisolone] Bröll H. **Z Rheumatol** 1981 Nov-Dec;40(6):243-4 (Eng. Abstr.) **(Ger)**

[Changes in the synovial membrane and articular cartilage following osmic acid therapy (letter)] Konrád K. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):316-9 **(Hun)**

[Effect of oxygen on the rate of synovial membrane regeneration and the adhesive process in joints after synovectomy (an experimental study)] Balkulova NG, et al. **Ortop Travmatol Protez** 1982 Feb;(2):64-6 **(Rus)**

EMBRYOLOGY

Synovial plicae of the knee. Deutsch AL, et al. **Radiology** 1981 Dec;141(3):627-34

ENZYMOLOGY

Release of collagenase, neutral protease, and prostaglandins from cultured mammalian synovial cells by hydroxyapatite and calcium pyrophosphate dihydrate crystals. Cheung HS,

et al. **Arthritis Rheum** 1981 Nov;24(11):1338–44

Release of neutral proteinases from mononuclear phagocytes and synovial cells in response to cartilaginous wear particles in vitro. Evans CH, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):287–94

Production of collagenase and inhibitor (TIMP) by normal, rheumatoid and osteoarthritic synovium in vitro: effects of hydrocortisone and indomethacin. McGuire MB, et al. **Clin Sci** 1981 Dec;61(6):703–10

Characterization of collagenase, other metallo-proteinases and an inhibitor (TIMP) produced by human synovium and cartilage in culture. Murphy G, et al. **Clin Sci** 1981 Dec;61(6):711–6

Biochemical and pharmacological studies on synovium–cartilage interactions in organ culture. Crossley MJ, et al. **Eur J Rheumatol Inflamm** 1982;5(1):15–29

Comparison of rheumatoid synovial microsomes and bovine seminal vesicle microsomes for determining the relative potencies of prostaglandin synthetase inhibitors. Steele L, et al. **J Pharmacol Methods** 1981 Jun;5(4):341–5

Uridine diphosphate glucose dehydrogenase in rheumatoid synovial cells in culture. Ross GT, et al. **J Rheumatol** 1981 Sep–Oct;8(5):710–5

The production in culture of metalloproteinases and an inhibitor by joint tissues from normal rabbits, and from rabbits with a model arthritis. I. Synovium. Cambray GJ, et al. **Rheumatol Int** 1981;1(1):11–6

The effects of dexamethasone in vitro on the production of collagenase and inhibitor by synovial and cartilage explants from the joints of rabbits with a proliferative arthritis. Cambray GJ, et al. **Rheumatol Int** 1981;1(2):69–72

[Studies on degradation of cartilage proteoglycan by rheumatoid synovial tissue. Part II: On the property of acid and neutral proteases obtained from rheumatoid synovial tissue (author's transl)] Shimizu K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov; 55(11):1595–605 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immune functions of human synovial cells. Phenotypic and T cell regulatory properties of macrophage-like cells that express HLA-DR. Klareskog L, et al. **Arthritis Rheum** 1982 May;25(5):488–501

Histochemical discrimination of HLA-DR positive cell populations in the normal and arthritic synovial lining. Poulter LW, et al. **Clin Exp Immunol** 1982 May;48(2):381–8

Anticoagulant antibodies in the synovial membranes of patients suffering from haemophilia, rheumatoid arthritis and other rheumatic disorders. Rainsford SG, et al. **J Clin Pathol** 1982 Jun;35(6):673–80

Synovial immunofluorescence in patients with slipped capital femoral epiphysis. Morrissy RT, et al. **J Pediatr Orthop** 1981;1(1):55–60

Lack of antibody in rheumatoid sera to autologous synovial macrophages and dendritic cells by antibody-dependent cellular cytotoxicity assays (ADCC). Griffiths MM, et al. **J Rheumatol** 1981 Jul–Aug;8(4):647–52

Immunoregulation in the synovium of rheumatoid arthritis [letter] Gatenby PA, et al. **Lancet** 1981 Dec 12;2(8259):1348

Augmented numbers of HLA-DR-positive T lymphocytes in the synovial fluid and synovial tissue of patients with rheumatoid arthritis and juvenile rheumatoid arthritis: in vivo-activated T lymphocytes are potent stimulators in the mixed lymphocyte reaction. Førre O, et al. **Scand J Immunol** 1982 Feb;15(2):227–31

Murine synovial intima contains I-A-, I-E/C-positive bone-marrow-derived cells. Klareskog L, et al. **Scand J Immunol** 1981 May;15(5):509–14

Relationship between HLA-DR-expressing cells and T lymphocytes of different subsets in rheumatoid synovial tissue. Klareskog L, et al. **Scand J Immunol** 1981 May; 15(5):501–7

Demonstration of Ia antigens on certain dendritic cells and on a novel elongate cell found in human synovial tissue. Winchester RJ, et al. **Scand J Immunol** 1981 Oct; 14(4):439–44

[Immunofluorescence of the synovial membrane. Study of 100 cases] Roux H, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):787–92 (Eng. Abstr.) **(Fre)**

[Distribution of immunoglobulin classes in joint capsules in osteoarthritis (arthrosis) and chronic polyarthritis] Fritz P, et al. **Z Rheumatol** 1981 Jul–Aug;40(4):187–94 (Eng. Abstr.) **(Ger)**

INJURIES

The pathologic medical shelf. Jackson RW, et al. **Orthop Clin North Am** 1982 Apr;13(2):307–12

METABOLISM

Chronic immune synovitis in rabbits. I. Immunoglobulin and beta-glucuronidase analyses of synovial tissues and joint exudates. Goldlust MB, et al. **Agents Actions** 1981 Dec; 11(6–7):723–8

Intermediate filaments in synovial lining cells in rheumatoid arthritis and other arthritides are of vimentin type. Osung OA, et al. **Ann Rheum Dis** 1982 Feb;41(1):74–7

In vitro conditions affecting the synthesis of sulfated proteoglycans by normal and rheumatoid synovial cells in culture. Marsh JM, et al. **Arthritis Rheum** 1982 Feb; 25(2):196–203

RNA and DNA viral stimulation of prostaglandin E production by human synovial fibroblasts. Yaron M, et al. **Arthritis Rheum** 1981 Dec;24(12):1582–6

Characterization of catabolin, the major product of pig synovial tissue that induces resorption of cartilage proteoglycan in vitro. Saklatvala J. **Biochem J** 1981 Dec 1;199(3):705–14

The effect of diflunisal on hyaluronic acid production by 'activated' human synovial fibroblasts. Yaron M, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):423–6

The distribution of fibronectin in the pannus in rheumatoid arthritis. Scott DL, et al. **Br J Exp Pathol** 1981 Aug; 62(4):362–8

Synovial cartilage interactions with special reference to the prostanoids as metabolic agents in cartilage under normal and pathological conditions. Mitrovic D. **Eur J Rheumatol Inflamm** 1982;5(1):3–14 (73 ref.)

Ammoniacal silver staining of normal and inflamed rat synovial membrane. Meetz GD, et al. **Experientia** 1982 Feb 15;38(2):272–3

Effect of a mononuclear cell culture medium on collagen and glycosaminoglycan production by synovial cells in culture. Daireaux M, et al. **FEBS Lett** 1981 Sep 14; 132(1):93–7

The localization of cathepsin D with a biotin-labelled pepstatin. Matthews IT, et al. **FEBS Lett** 1981 Nov 16; 134(2):253–6

Connective tissue activation. XXI. Regulation of glycosaminoglycan metabolism by lymphocyte (CTAP-I) and platelet (CTAP-III) growth factors. Castor CW, et al. **In Vitro** 1981 Sep;17(9):777–85

Immunoglobulin G3 subclass production by rheumatoid synovial tissue cultures. Hoffman WL, et al. **J Clin Invest** 1982 Jan;69(1):136–44

The uptake of horseradish peroxidase in the temporomandibular joint synovium of the rat following unilateral extraction of molars. Ueno S. **J Dent Res** 1982 Mar;61(3):516–20

The biochemistry of the human synovial lining with special reference to alterations in metabolism in rheumatoid arthritis. Henderson B. **Pathol Res Pract** 1981 Jul; 172(1–2):1–24

Uraniosomes produced in the synovial membrane by uranyl acetate. Ghadially FN, et al. **Pathology** 1982 Apr; 14(2):121–7

Protein synthesis in rheumatoid synovial tissue. Smiley JD, et al. **Springer Semin Immunopathol** 1981;4(2):103–23

[Hydroxyapatite microcrystals in synovial mitochondria in human and experimental rheumatism] Delbarre F, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):567–74 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Cell division in the synovial lining in experimental allergic arthritis: proliferation of cells during the development of chronic arthritis. Henderson B, et al. **Ann Rheum Dis** 1982 Jun;41(3):275–81

Heberden Oration 1980: aspects of the cell biology of the rheumatoid synovial lesion. Krane SM. **Ann Rheum Dis** 1981 Oct;40(5):433–48 (98 ref.)

The giant cells in the synovial membrane. Soren A, et al. **Ann Rheum Dis** 1981 Oct;40(5):496–500

Vascular changes in psoriatic synovium. A light and electron microscopic study. Espinoza LR, et al. **Arthritis Rheum** 1982 Jun;25(6):677–84

Arthropathy of Behcet's disease with marked synovial pleocytosis responsive to colchicine [letter] Frayha RA. **Arthritis Rheum** 1982 Feb;25(2):235–6

Experimental allergic arthritis in the rabbit: alterations in the cellularity and the rate of cellular proliferation in the synovial linings of the challenged joints of rabbits immunized with antigen in Freund's incomplete adjuvant. Henderson B, et al. **Br J Exp Pathol** 1982 Feb;63(1):5–12

Origin of synovial type A cells during inflammation. An experimental approach. Dreher R. **Immunobiology** 1982 Apr;161(3–4):232–45

Reactive synovitis from particulate silastic. Worsing RA Jr, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):581–5

The pathogenesis of chronic haemophilic arthropathy. Stein H, et al. **J Bone Joint Surg [Br]** 1981;63B(4):601–9

Sulphated proteoglycan synthesis by rheumatoid synovial membrane and rheumatoid synovial tissue cells in culture: an autoradiographic study. Ross GT, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep;25(3):89–98

Arthralgia and crystal deposits in Crohn's disease. Heuman R, et al. **Scand J Rheumatol** 1981;10(4):313–7

Osteoarthritis--an arthritis? Soren A. **Z Rheumatol** 1982 Jan–Feb;41(1):1–6

[The relationship between synovial plicae and patellar chondropathy (author's transl)] de la Caffinière JY, et al. **Rev Chir Orthop** 1981;67(4):479–84 (Eng. Abstr.) **(Fre)**

[Fibroblastic rheumatism. A case with study of synovial histology] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):469–72 **(Fre)**

[Articular synovial chondromatosis] De Santis E, et al. **Arch Putti Chir Organi Mov** 1981;31:253–69 (Eng. Abstr.) **(Ita)**

[Effect of laser therapy on the morphology of rheumatoid synovitis] Tupikin GV, et al. **Ter Arkh** 1981;53(7):96–9 (Eng. Abstr.) **(Rus)**

[Objective assessment of the manifestations of rheumatoid arthritis that characterize its evolution. II. Method of transcutaneous puncture biopsy of the synovial membrane using a modified Parker and Pearson needle] Krel' AA, et al. **Vopr Revm** 1981 Oct–Dec;(4):16–9 (Eng. Abstr.) **(Rus)**

[Morphological changes in the synovial membrane of the knee in the early stage of systemic scleroderma (light, immunofluorescence and electron microscope studies)] Rusakova MS, et al. **Vopr Revm** 1981 Oct–Dec;(4):28–31 (Eng. Abstr.) **(Rus)**

[Estimation of the manifestations of rheumatoid arthritis characterizing its evolution. III. Method of estimating the morphological manifestations of synovitis from the data of puncture biopsies] Shekhter AB, et al. **Vopr Revm** 1982 Jan–Mar;(1):19–25 **(Rus)**

PHYSIOLOGY

Enhanced breakdown of bovine articular cartilage proteoglycans by conditioned synovial medium. The effect of serum and dextran sulphate. Jones IL, et al. **Scand J Rheumatol** 1982;11(1):41–6

PHYSIOPATHOLOGY

Permeability of rheumatoid and normal human synovium to specific plasma proteins. Levick JR. **Arthritis Rheum** 1981 Dec;24(12):1550–60

The effects on synovial permeability and synovial fluid leukocyte counts in symptomatic osteoarthritis after intraarticular corticosteroid administration. Eymontt MJ, et al. **J Rheumatol** 1982 Mar–Apr;9(2):198–203

Experimental joint trauma: synovial response to blunt trauma and inflammatory reaction to intraarticular injection of fat. Weinberger A, et al. **J Rheumatol** 1981 May–Jun;8(3):380–9

RADIATION EFFECTS

Synoviorthesis in patients with hemophilia and inhibitors. Rivard GE, et al. **Can Med Assoc J** 1982 Jul 1;127(1):41–2

The efficacy and safety of radiosynovectomy [editorial] Lee P. **J Rheumatol** 1982 Mar–Apr;9(2):165–8

[Intra-articular injection of radioactive yttrium 90 in the hemophilic arthropathies. About nine cases (author's transl)] Michel G, et al. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1277–81 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Synovial plicae of the knee. Apple JS, et al. **Skeletal Radiol** 1982 Jan;7(4):251–4

SECRETION

Stimulation of collagenase secretion from rheumatoid synovial tissue by human collagen peptides. Fisher WD, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):546–57

SURGERY

Radiologic evaluation of synovectomy in rheumatoid arthritis. de Carvalho A, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):505–9

The role of synovectomy in the management of recurrent haemarthroses in haemophilia. Kay L, et al. **Br J Haematol** 1981 Sep;49(1):53–60

Post-operative complications and joint function after knee synovectomy in haemophiliacs [letter] Storti E, et al. **Br J Haematol** 1982 Mar;50(3):544–6

Partial synovectomy in the treatment of tuberculosis of the knee. Misgar MS, et al. **Int Surg** 1982 Jan–Mar;67(1):53–5

Synovectomy of the knee in haemophiliac arthropathy. Thakore HK, et al. **Ir Med J** 1981 Jan;74(1):12–3

Synovectomy of the hip in juvenile chronic arthritis. Mogensen B, et al. **J Bone Joint Surg [Br]** 1982;64(3):295–9

The synovial shelf syndrome. Vaughan-Lane T, et al. **J Bone Joint Surg [Br]** 1982;64(4):475–6

Ankle synovectomy: an approach to the rheumatoid ankle. Hecker RL, et al. **J Foot Surg** 1982 Spring;21(1):4–6

Arthroscopic synovectomy. Highgenboten CL. **Orthop Clin North Am** 1982 Apr;13(2):399–405

A clinical evaluation of arthroscopic synovectomy of the knee joint with the electric resectoscope. Aritomi H, et al. **Ryumachi** 1981;21 Suppl:11–20

[A new method of treatment for Legg-Perthes disease (author's transl)] Di JD, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):14–8 (Eng. Abstr.) **(Chi)**

[Synovectomy for rheumatoid arthritis of knee: report of 85 cases (author's transl)] Guo WZ, et al. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):43–6 **(Chi)**

[Total synovectomy of the knee in patients with rheumatoid arthritis. II (author's transl)] Vavřík P, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):121–6 (Eng. Abstr.) **(Cze)**

[Total synovectomy of the knee in patients with rheumatoid arthritis. I (author's transl)] Vavřík P, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):111–20 (Eng. Abstr.) **(Cze)**

[Synovectomy in rare forms of arthritis] Köhler G, et al. **Beitr Orthop Traumatol** 1982 Jan;29(1):25–33 (Eng. Abstr.) **(Ger)**

[Synovectomy in chronic polyarthritis] Wessinghage D. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):231–5 **(Ger)**

[Results of synovectomy of the elbow joint (author's transl)] Gschwend N. **Orthopade** 1981 Sep;10(4):338–9 **(Ger)**

[Feasibility of surgical treatment for rheumatic patients] Ziller R, et al. **Z Arztl Fortbild (Jena)** 1981 Jul 15;

75(14):648–52 (Ger)
[Synoviorthesis and synovectomy in the treatment of rheumatoid arthritis of the knee] Solarino GB, et al. **Chir Organi Mov** 1981;66(2):173–9 (En.g. Abstr.) (Ita)
[Synovectomy] Boero G. **Minerva Med** 1981 Nov 10; 72(44):2955–9 (Eng. Abstr.) (Ita)
[Clinical results of synovectomy for rheumatoid wrist compared with the opposite side (author's transl)] Namba H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jun;55(6):527–41 (Eng. Abstr.) (Jpn)
[Use of cryosurgery in the treatment of patients with rheumatoid arthritis] Skliarenko ET, et al. **Klin Khir** 1981 Dec;(12):14–6 (Rus)

TRANSPLANTATION

Matrix antigens in allografts. The humoral response. Yablon IG, et al. **Clin Orthop** 1982 Aug;(168):243–51

ULTRASTRUCTURE

Demonstration of bone marrow derived cells in synovial lining by means of giant intracellular granules as genetic markers. Edwards JC, et al. **Ann Rheum Dis** 1982 Apr; 41(2):177–82
Primary synovial chondromatosis. An ultrastructural study. McCarthy EF, et al. **Clin Orthop** 1982 Aug;(168):178–86
Electron microscopic studies of the synovial–cartilage junction in rheumatoid arthritis. Muirden KD. **Eur J Rheumatol Inflamm** 1982;5(1):30–8
The fine structure of the synovial membrane of the knee joint in rats with special reference to regional differences. Nishijima T. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jun; 55(6):601–13
[Functional structure of the synovial membrane] Wassilev W. **Verh Anat Ges** 1981;75(Pt 1):221–34 (Eng. Abstr.) (Ger)
[Ultrastructural aspects of articular pigmented villo–nodular synovitis] De Santis E, et al. **Arch Putti Chir Organi Mov** 1981;31:237–43 (Ita)
[Ultrastructural changes of the synovial membrane in Reiter's disease] Logroscino CA. **Arch Putti Chir Organi Mov** 1981; 31:245–52 (Eng. Abstr.) (Ita)
[Scanning electron microscopy of the synovial membrane and synovial fluid] Mul'diiarov PIa. **Vopr Revm** 1981 Oct–Dec;(4):55–9 (63 ref.) (Eng. Abstr.) (Rus)

SYNOVIOMA

Tumors of the blood vessels and of the mesothelial coverlayers. Alvarez–Fernandez E. **Pathologica** 1981 Jan–Feb;73(1023):125–8

CHEMICALLY INDUCED

Experimentally induced synovial sarcoma. De Santis E, et al. **Int Orthop** 1981;5(1):37–41
[experimental reproduction of synovial sarcoma] De Santis E, et al. **Arch Putti Chir Organi Mov** 1980;30:163–72 (Eng. Abstr.) (Ita)

COMPLICATIONS

Calcifying synovial sarcoma. Varela–Duran J, et al. **Cancer** 1982 Jul 15;50(2):345–52
An unusual cause of Morton's syndrome—a synovial sarcoma: report of a case. Ueo T, et al. **J Foot Surg** 1979 Spring;18(1):23–5

ETIOLOGY

Giant cell tumor of tendon sheath developing at the site of tendon laceration. Wittels M, et al. **Clin Orthop** 1982 Sep; (169):207–10

PATHOLOGY

Retroperitoneal synovial sarcoma. A report of four cases. Shmookler BM. **Am J Clin Pathol** 1982 Jun;77(6):686–91
Monophasic, glandular, synovial sarcomas and carcinomas of the soft tissues. Farris KB, et al. **Arch Pathol Lab Med** 1982 Mar;106(3):129–32
Orofacial synovial sarcoma: a clinicopathologic study of 11 new cases and review of the literature. Shmookler BM, et al. **Cancer** 1982 Jul 15;50(2):269–76
The natural history of metastatic synovial sarcoma: experience of the Southwest Oncology group. Ryan JR, et al. **Clin Orthop** 1982 Apr;(164):257–60
Synovial sarcoma. Wright PH, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):112–22
Intra–osseous synovial sarcoma. Rose AG, et al. **S Afr Med J** 1982 May 1;61(18):673–4
[Clinical aspects of synoviomas (author's transl)] Benz K. **MMW** 1982 Jun 18;124(24):591–5 (Eng. Abstr.) (Ger)
[Cytomorphological changes in human tumor cells exposed to high–polar compounds] Viadro MM, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):586–8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Synovial cell sarcoma of the temporomandibular joint. Computed tomographic findings. DelBalso AM, et al. **Arch Otolaryngol** 1982 Aug;108(8):520–2

RADIONUCLIDE IMAGING

[Extra–osseous accumulation of 99mTc–MDP in 2 cases of soft–tissue sarcoma (author's transl)] Nakajima H, et al. **Rinsho Hoshasen** 1981 Mar;26(3):417–20 (Eng. Abstr.) (Jpn)

SECONDARY

[Synovial sarcoma] Strømann–Møller T, et al. **Ugeskr Laeger** 1981 Apr 6;143(15):934–5 (Eng. Abstr.) (Dan)

THERAPY

[Results of treatment of synovial sarcoma] Ternovoĭ KC, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):83–5 (Eng. Abstr.) (Rus)

ULTRASTRUCTURE

Monophasic synovial sarcoma, epithelioid sarcoma and chordoid sarcoma: ultrastructural evidence for a common histogenesis, despite light microscopic diversity. Cooney TP, et al. **Histopathology** 1982 Mar;6(2):163–90
Synovial sarcoma of the abdominal wall: a case report and study of its fine structure. Al–Dewachi HS, et al. **J Surg Oncol** 1981;18(4):335–44

SYNOVITIS

BLOOD

Assessment of iron stores in inflammation by assay of serum ferritin concentrations. Blake DR, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1147–8

CHEMICALLY INDUCED

Experimental joint trauma: synovial response to blunt trauma and inflammatory reaction to intraarticular injection of fat. Weinberger A, et al. **J Rheumatol** 1981 May–Jun;8(3):380–9
Development of an inflammatory synovitis following total–dose infusion of iron–dextran. A case report. Brighton SW, et al. **S Afr Med J** 1982 Jul 24;62(4):141–2

CLASSIFICATION

[Histological classification of rheumatoid synovitis compared with cell–kinetics and morphology of experimental immune synovitis (author's transl)] Dreher R, et al. **Immun Infekt** 1981 Nov;9(6):204–12 (Eng. Abstr.) (Ger)

COMPLICATIONS

Eosinophilic fasciitis (Shulman syndrome) with prominent synovitis. Aelion JA, et al. **Isr J Med Sci** 1982 Jul; 18(7):793–7
[Skeletal changes caused by villonodular pigmented tenosynovitis] Bonacina P, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):163–9 (Ita)
[Bone involvement in pigmented villonodular synovitis. A case report (author's transl)] Matsubara T, et al. **Ryumachi** 1982 Apr;22(2):143–50 (Eng. Abstr.) (Jpn)

DIAGNOSIS

Arthrosonography in the diagnosis of pigmented villonodular synovitis. Kaufman RA, et al. **AJR** 1982 Aug;139(2):396–8
Diagnosis and treatment of diffuse pigmented villonodular synovitis of the hip. Danzig LA, et al. **Clin Orthop** 1982 Aug;(168):42–7
Intra–articular osteoid–osteoma of the humerus simulating synovitis of the elbow. A case report. Cronemeyer RL, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1172–4
Extraskeletal calcified synoviobursitis. Weiss RF. **J Foot Surg** 1981 Winter;20(4):222–3
Circulating activated lymphocytes in rheumatoid arthritis: a marker of synovial inflammation. Papadimitriou GM, et al. **J Rheumatol** 1982 Mar–Apr;9(2):217–23
[Transient synovitis ('toxic synovitis') of the hip (author's transl)] Mouchet A, et al. **Ann Pediatr (Paris)** 1981 Dec; 28(10):743–6 (Eng. Abstr.) (Fre)
[What is your diagnosis?] Wessinghage D. **Med Klin** 1981 Oct 9;76(21):46, 70 (Ger)
[Chronic pigmented villonodular synovitis causing locking of the knee joint] Wasserlof S, et al. **Harefuah** 1982 Feb 15;102(4):155–6 (Eng. Abstr.) (Heb)
[Pigmented villonodular synovitis: research methods and differential diagnostic problems] Bonacina P, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):170–84 (Ita)
[Pigmented villonodular synovitis] Bakhtiiarova VI, et al. **Ortop Travmatol Protez** 1981 Nov;(11):29–31 (Rus)
[Glycosaminoglycans of synovial fluid in the evaluation of acute synovitis in gout and rheumatoid arthritis] Novoselova TM. **Ter Arkh** 1981;53(7):14–7 (Eng. Abstr.) (Rus)

DRUG THERAPY

Chronic immune synovitis in rabbits. II. Modulation by anti–inflammatory and anti–rheumatic agents. Goldlust MB, et al. **Agents Actions** 1981 Dec;11(6–7):729–35
Rheumatoid knee synovitis successfully treated with intra–articular rifamycin SV. Caruso I, et al. **Ann Rheum Dis** 1982 Jun;41(3):232–6
Intraarticular amphotericin B. Gonzales J, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):884–5
Knee function after intra–articular hydrocortisone. Bossingham DH, et al. **Rheumatol Rehabil** 1981 May; 20(2):98–101
Osmic acid versus yttrium–90 in rheumatoid synovitis of the knee. Sheppeard H, et al. **Scand J Rheumatol** 1981; 10(3):234–6
[Rheumatoid synovitis of the knee, treated successfully with intra–articular rifamycin SV] Cottafava F, et al. **Minerva Pediatr** 1982 Jan 31;34(1–2):33–7 (Ita)

ETIOLOGY

The irritable hip syndrome in children. A long–term follow–up. Sharwood PF. **Acta Orthop Scand** 1981 Dec; 52(6):633–8
Localized pigmented villonodular synovitis of the ankle: a case study and a review of the literature. Rothstein AS. **J Am Podiatry Assoc** 1981 Nov;71(11):607–10
Synovial and osseous inflammation in failed silicone–rubber prostheses. Gordon M, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):574–80
Synovitis due to migration of a screw into the knee joint. A case report. Moreno M, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):622–3
Reactive synovitis from particulate silastic. Worsing RA Jr, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):581–5
Inflammatory synovitis in degenerative joint disease. Goldenberg DL, et al. **J Rheumatol** 1982 Mar–Apr; 9(2):204–9
[Sea urchin spines synovitis. A case report with positive pasteurellosis antigen intradermoreaction (author's transl)] Dreyfus P, et al. **Ann Med Interne (Paris)** 1981;132(6):404–7 (Eng. Abstr.) (Fre)
[Histopathogenesis of synovialitis in experimental allergic rabbit arthritis. Comparative studies on rheumatoid synovialitis] Püschel W. **Z Rheumatol** 1982 Jan–Feb; 41(1):7–15 (Eng. Abstr.) (Ger)
[Rheumatic synovitis in chronic aspecific synovitis. Histopathological contribution (author's transl)] Martelli C, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):327–41 (15 ref.) (Ita)

METABOLISM

The biochemical response of rabbit articular cartilage matrix to an induced talcum synovitis. Gershuni DH, et al. **Acta Orthop Scand** 1981 Dec;52(6):599–603
Chronic immune synovitis in rabbits. I. Immunoglobulin and beta–glucuronidase analyses of synovial tissues and joint exudates. Goldlust MB, et al. **Agents Actions** 1981 Dec; 11(6–7):723–8
[Beta–2 microglobulin in the serum and synovial fluid of patients with rheumatoid arthritis and reactive synovitis due to local causes (author's transl)] Hrnčíř Z, et al. **Cas Lek Cesk** 1981 Oct 22;120(42):1273–6 (Eng. Abstr.) (Cze)

PATHOLOGY

The giant cells in the synovial membrane. Soren A, et al. **Ann Rheum Dis** 1981 Oct;40(5):496–500
The role of synovial biopsy in tuberculosis synovitis knee. Misgar MS, et al. **J Indian Med Assoc** 1981 Oct 16; 77(8):125–7
Rabbit synovial tissue in culture: influence of the inflammatory state in vivo on the secretion of collagenase. Ciosek CP Jr, et al. **J Rheumatol** 1981 May–Jun;8(3):367–79
[Transient synovitis of the hip in childhood. 'observation hip' (author's transl)] Mallet JF, et al. **Rev Chir Orthop** 1981; 67(8):791–803 (Eng. Abstr.) (Fre)
[Ultrastructure of detritus synovitis ('hydroxylapatite synovitis?') (author's transl)] Mohr W, et al. **Z Orthop** 1981 Oct;119(5):463–8 (Eng. Abstr.) (Ger)
[Ultrastructural aspects of articular pigmented villo–nodular synovitis] De Santis E, et al. **Arch Putti Chir Organi Mov** 1981;31:237–43 (Ita)
[Effect of laser therapy on the morphology of rheumatoid synovitis] Tupikin GV, et al. **Ter Arkh** 1981;53(7):96–9 (Eng. Abstr.) (Rus)
[Estimation of the manifestations of rheumatoid arthritis characterizing its evolution. III. Method of estimating the morphological manifestations of synovitis from the data of puncture biopsies] Shekhter AB, et al. **Vopr Revm** 1982 Jan–Mar;(1):19–25 (Rus)

PHYSIOPATHOLOGY

The influence of an experimental immune synovitis on the failure mode and strength of the rabbit anterior cruciate ligament. Goldberg VM, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):900–6
Functional characteristics of synovial fluid and blood mononuclear cells in rheumatoid arthritis and traumatic synovitis. Petersen J, et al. **Scand J Rheumatol** 1982; 11(2):75–80

RADIOGRAPHY

Pigmented villonodular synovitis of a lumbar vertebral facet joint. Campbell AJ, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):145–6
Case report 157. Clark CR, et al. **Skeletal Radiol** 1981; 6(4):286–9
Case report 190. Thorn–induced synovitis. Southgate GW,

et al. **Skeletal Radiol** 1982;8(1):79–80
Case report 195: inflammatory synovitis due to familial Mediterranean fever (FMF) of left third metatarso-phalangeal joint. Yagil Y, et al. **Skeletal Radiol** 1982;8(2):157–9

RADIOTHERAPY

Synoviorthesis in patients with hemophilia and inhibitors. Rivard GE, et al. **Can Med Assoc J** 1982 Jul 1;127(1):41–2
Recurrent villonodular synovitis of the knee. Successful treatment with yttrium-90. Wiss DA. **Clin Orthop** 1982 Sep;(169):139–44
The efficacy and safety of radiosynovectomy [editorial] Lee P. **J Rheumatol** 1982 Mar–Apr;9(2):165–8

SURGERY

Total elbow arthroplasty: a clinical review of 30 cases employing the Mayo and AHSC prostheses. Brumfield RH Jr, et al. **Clin Orthop** 1981 Jul–Aug;(158):137–41
Pigmented villonodular synovitis of joints. Johansson JE, et al. **Clin Orthop** 1982 Mar;(163):159–66
Partial synovectomy in the treatment of tuberculosis of the knee. Misgar MS, et al. **Int Surg** 1982 Jan–Mar;67(1):53–5
Ankle synovectomy: an approach to the rheumatoid ankle. Hecker RL, et al. **J Foot Surg** 1982 Spring;21(1):4–6
Anatomic separation of the suprapatellar pouch spares its involvement by rheumatoid synovitis in the knee. Cooke TD, et al. **Rheumatol Int** 1981;1(2):99–102

THERAPY

The effect of plasma exchange on synovitis in rheumatoid arthritis. Dequeker J, et al. **Scand J Rheumatol** 1981; 10(4):273–9
[Synovectomy] Boero G. **Minerva Med** 1981 Nov 10; 72(44):2955–9 (Eng. Abstr.) **(Ita)**

VETERINARY

Synovitis and bovine syncytial virus isolation in experimentally induced malignant catarrhal fever. Liggitt HD, et al. **J Comp Pathol** 1980 Oct;90(4):519–33

SYNOVITIS, PIGMENTED VILLONODULAR see under **SYNOVITIS**

SYNSTIGMIN see **NEOSTIGMINE**

SYPHACIA see under **OXYUROIDEA**

SYPHILIDS see **SYPHILIS, CUTANEOUS**

SYPHILIS

[Primary syphilitic proctitis associated with liver involvement (author's transl)] Le Marchant JM, et al. **Sem Hop Paris** 1981 Sep 18–25;57(33–36):1434–8 (43 ref.) (Eng. Abstr.) **(Fre)**
[Influence of the parents' family on the formation of stereotypic sex behavior in syphilis patients] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1981 May;(5):26–30 (Eng. Abstr.) **(Rus)**

BLOOD

[Circulating anticoagulant during primosecondary syphilis and Q fever (letter)] Arlet P, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2909 **(Fre)**
[Lipid metabolic state in syphilis] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):41–3 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

A review (1970–1980) of 28 presumptive cases of syphilitic uveitis. Schlaegel TF Jr, et al. **Am J Ophthalmol** 1982 Apr; 93(4):412–4
Syphilitic phlebitis simulating branch vein occlusion. Lobes LA Jr, et al. **Ann Ophthalmol** 1981 Jul;13(7):825–7
Syphilitic osteomyelitis of the mandible. Yusuf H, et al. **Br J Oral Surg** 1982 Jun;20(2):122–8
Osteitis in early syphilis. A case report. Graudal C, et al. **Br J Vener Dis** 1981 Oct;57(5):312–4
Subacute Wernicke's encephalopathy due to gastric syphilis. Reid AC, et al. **Br J Vener Dis** 1981 Oct;57(5):309–11
Sexually transmitted diseases. Secondary syphilis. Felman YM, et al. **Cutis** 1982 Apr;29(4):322–4, 326–8, 334
Case: syphilitic gastritis. Lichtenstein JE. **Gastrointest Radiol** 1981;6(4):371–4
Medical management of sensorineural hearing loss. Part I: late syphilis; cardiovascular system; endocrine system; renal system. Booth JB. **J Laryngol Otol** 1982 Aug;96(8):673–84
Syphilis and leprosy [letter] Murray KA. **JAMA** 1982 Apr 16;247(15):2097–8
Granulomatous conjunctivitis secondary to Treponema pallidum. Spektor FE, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):863–5
Multiple sexually transmitted diseases. Fiumara NJ, et al. **Sex Transm Dis** 1982 Apr–Jun;9(2):98–9
Reversible penile leukoderma in a man with secondary syphilis: a case report. Pattman RS. **Sex Transm Dis** 1982 Apr–Jun;9(2):96–7
[Acute hearing loss and vertigo in secondary syphilis] Kassis V, et al. **Ugeskr Laeger** 1981 Sep 28;143(40):2591–2 (Eng. Abstr.) **(Dan)**
[Detection and incidence of hepatitis in secondary syphilis. Seventy case-reports (author's transl)] Jeanmougin M, et al. **Sem Hop Paris** 1982 Jan 28;58(4):199–203 (Eng. Abstr.) **(Fre)**
[Hepatic syphillis with amyloidosis and chronic diarrhea. A discussion of etiologic mechanisms (author's transl)] Naveau S, et al. **Sem Hop Paris** 1982 Apr 22;58(16):988–90 (Eng. Abstr.) **(Fre)**
[A case of secondary syphilis associated with nephrotic syndrome and acute hepatitis (author's transl)] Uehara Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Nov;23(11):1457–64 (Eng. Abstr.) **(Jpn)**
[Bone lesion in tertiary syphilis] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1981 May;(5):58–61 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Tuberculosis and syphilis [letter] Schlaegel TF Jr, et al. **Arch Ophthalmol** 1981 Dec;99(12):2206–7
Primary syphilis of the tonsil. Fiumara NJ, et al. **Arch Otolaryngol** 1982 Jan;108(1):43–4
Tumour-like pulmonary lesion in secondary syphilis. A case report. Schibli H, et al. **Br J Vener Dis** 1981 Dec; 57(6):367–71
Diagnosis of syphilis. Luger A. **Bull WHO** 1981;59(5):647–54
Sexually transmitted diseases of the oral cavity: part I. Felman YM, et al. **Cutis** 1982 Jun;29(6):552, 560, 562 passim
Rectal mass caused by Treponema pallidum: confirmation by immunofluorescent staining. Quinn TC, et al. **Gastroenterology** 1982 Jan;82(1):135–9
Posttreatment serological response of biologic false-positive reactors. Fiumara NJ. **JAMA** 1982 Feb 12;247(6):817–8
Early syphilis with liver involvement. Keisler DS Jr, et al. **JAMA** 1982 Apr 9;247(14):1999–2000
Primary syphilis of the tonsil: presentation of four cases. Viers WA. **Laryngoscope** 1981 Sep;91(9 Pt 1):1507–11
A case of monorecidive syphilitic chancre. Mehta SP. **Sex Transm Dis** 1981 Jul–Sep;8(3):222–3
Comparison between enzyme-linked immunosorbent assay (ELISA) and Treponema pallidum hemagglutination (TPHA) test in the diagnosis of syphilis. Tantivanich S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):610
Don't forget syphilis. Maw RD, et al. **Ulster Med J** 1981; 50(2):132–6
[Modern problems in the diagnosis of syphilis] Pospíšil L. **Vnitr Lek** 1982 Feb;28(2):177–81 (Eng. Abstr.) **(Cze)**
[Dermatology: what relationship?] Journet M, et al. **Union Med Can** 1981 Nov;110(11):1003 **(Fre)**
[A case from medical practice] Riniker M. **Praxis** 1981 Dec 15;70(51):2333–5 **(Ger)**
[Primary syphilitic lesions of extragenital location] Starzycki Z, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):475–81 (Eng. Abstr.) **(Pol)**
[Current characteristics of the clinical aspects and course of syphilis] Babaiants RS, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):4–8 (Eng. Abstr.) **(Rus)**
[Use of sonicated Treponema antigen in the complement fixation reaction for syphilis] D'iachenko LA, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):23–5 **(Rus)**
[2,4-dinitrochlorobenzene skin test as an index of the primary cellular immunological response in skin diseases and syphilis] Fedotov VP, et al. **Vestn Dermatol Venerol** 1981; (10):7–12 (Eng. Abstr.) **(Rus)**
[Current aspects of the clinical picture and course of secondary recurrent syphilis] Grebennikov VA, et al. **Vestn Dermatol Venerol** 1982 May;(5):67–71 (Eng. Abstr.) **(Rus)**
[Differentiated use of serological tests in syphiilology practice] Milich MV, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):26–31 (Eng. Abstr.) **(Rus)**
[Error in the diagnosis of the infectious form of syphilis] Nemkaeva RM, et al. **Vestn Dermatol Venerol** 1981 Jun; (6):73–5 (Eng. Abstr.) **(Rus)**
[Syphilis acquired during pregnancy] Capel'a J. **Med Pregl** 1981;34(3–4):163–5 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Treating syphilis with tetracycline. Fiumara NJ. **Am Fam Physician** 1982 Jul;26(1):131–3
Comparison of the activities of ceftriaxone and penicillin G against experimentally induced syphilis in rabbits. Johnson RC, et al. **Antimicrob Agents Chemother** 1982 Jun; 21(6):984–9
Meningovascular syphilis after 'appropriate' treatment of primary syphilis. Moskovitz BL, et al. **Arch Intern Med** 1982 Jan;142(1):139–40
Treatment of syphilis. Willcox RR. **Bull WHO** 1981; 59(5):655–63
Effect of cortisone administration on host-parasite relationships in early experimental syphilis. Lukehart SA, et al. **J Immunol** 1981 Oct;127(4):1361–8
A reminiscence. Carr JW. **Nebr Med J** 1981 Dec;66(12):263–4
A survey of 251 patients with acute syphilis treated in the collaborative penicillin study of 1943–1950. Kampmeier RH, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4):266–79
Treatment of syphilis: a short critical review. Panconesi E, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):321–5
Acute syphilis: long term (upwards of 35 years) follow up of a penicillin treated group. Kampmeier RH, et al. **Trans Am Clin Climatol Assoc** 1981;93:63–77
[Erythromycin in the treatment of syphilis (author's transl)] Hamáková K, et al. **Cesk Dermatol** 1981 Dec;56(6):387–90 (Eng. Abstr.) **(Cze)**
[First experiences in short period infusion therapy of syphilis (author's transl)] Sönnichsen N, et al. **Dermatol Monatsschr** 1982 Apr;168(4):233–5 (Eng. Abstr.) **(Ger)**
[Present aspects of syphilis: 2. Serology, therapy] Krause H. **Fortschr Med** 1981 Feb 26;99(8):245–8 (Eng. Abstr.) **(Ger)**
[Immediate treatment results in infectious forms of syphilis using penicillin, bismuth preparations and cobalt] Al'mukhametov SKh. **Vestn Dermatol Venerol** 1981 May; (5):67–9 (Eng. Abstr.) **(Rus)**
[Immediate and late treatment results in early forms of syphilis using the permanent combined method] Bogacheva LG, et al. **Vestn Dermatol Venerol** 1981 May;(5):61–5 (Eng. Abstr.) **(Rus)**
[Late treatment results using various methods in syphilis] Kaganovich EL, et al. **Vestn Dermatol Venerol** 1981 May; (5):70–2 (Eng. Abstr.) **(Rus)**
[Immediate treatment results in recurrent syphilis using penicillin preparations in combination with levamisole (dekaris)] Mavrov II, et al. **Vestn Dermatol Venerol** 1982 May;(5):73–6 (Eng. Abstr.) **(Rus)**
[Time period for clinicoserological follow-up of patients finishing treatment for syphilis] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1981;(10):59–62 (Eng. Abstr.) **(Rus)**
[Bicillin treatment of rabbits with syphilis in combination with methyluracil] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):31–3 (Eng. Abstr.) **(Rus)**
[Immediate and long-term results of intensive treatment of patients with contageous variants of syphilis] Vasil'ev TV, et al. **Vestn Dermatol Venerol** 1982;(1):74–7 (Eng. Abstr.) **(Rus)**
[Critique of the basic elements on which various syphilis treatments are founded] Collart P, et al. **Med Cutan Iber Lat Am** 1981;9(3):221–8 (Eng. Abstr.) **(Spa)**

ECONOMICS

[Determination of the economic costs of syphilis treatment] Khalemin IaA, et al. **Vestn Dermatol Venerol** 1981 May; (5):31–2 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Case of bipolar chancre] Miliavskiĭ AI. **Vestn Dermatol Venerol** 1982 Apr;(4):71 **(Rus)**
[Rectal syphilis. Apropos of 5 cases] Ypas AR. **Acta Gastroenterol Latinoam** 1981;11(4):527–32 (Eng. Abstr.) **(Spa)**

HISTORY

Role played by Italy in the history of syphilis. Waugh MA. **Br J Vener Dis** 1982 Apr;58(2):92–5
Fracastoro's 'syphilis' and Priapus. Graziani R. **Clio Med** 1981 Dec;16(2–3):93–9
James George Beaney: his authorship [letter] Gandevia B, et al. **Med J Aust** 1981 Aug 8;2(3):160
The continuous treatment of early syphilis by arsphenamin and heavy metals. Kampmeier RH. **Sex Transm Dis** 1981 Jul–Sep;8(3):224–6
The introduction of penicillin for the treatment of syphilis. Kampmeier RH. **Sex Transm Dis** 1981 Oct–Dec;8(4):260–5
[Mercury ointment in Bad Aachen as a former treatment of syphilis] Wehsarg FK. **Rehabilitation (Bonn)** 1981; 34(3–4):26–32 **(Ger)**
[The illness of H. Heine. A controversy not resolved even after the 125th anniversary of the poet's death] Kenéz J. **Orv Hetil** 1982 May 16;123(20):1246–50 **(Hun)**

IMMUNOLOGY

Hydrophobic interaction chromatography used for purification of a Treponema Reiter ribonucleic acid antigen precipitating with antibodies in human syphilitic sera. Petersen CS, et al. **Anal Biochem** 1981 Nov 1;117(2):231–7
Effect of route of infection with Treponema pallidum. In vitro cellular response to treponemal antigens. Maret SM, et al. **Arch Pathol Lab Med** 1982 Sep;106(9):436–9
Analysis of serum IgG against Treponema pallidum protein antigens in experimentally infected rabbits. Alderete JF, et al. **Br J Vener Dis** 1981 Oct;57(5):302–8
Alterations in T lymphocytes and T-lymphocyte subpopulations in patients with syphilis. Jensen JR, et al. **Br J Vener Dis** 1982 Feb;58(1):18–22
Demonstration of specific 19S(IgM) antibodies in untreated and treated syphilis. Comparative studies of the 19S(IgM)-FTA test, the 19S(IgM)-TPHA test, and the solid phase haemadsorption assay. Müller F, et al. **Br J Vener Dis** 1982 Feb;58(1):12–7
Ability of macrophages to process and present Treponema pallidum Bosnia A strain antigens in experimental syphilis of syrian hamsters. Bagasra O, et al. **Infect Immun** 1982 Apr;36(1):176–83
Reappraisal of lymphocyte responsiveness to concanavalin A during experimental syphilis: evidence that glycosaminoglycans in the sera and tissues interfere ith

active binding sites on the lectin and not with the lymphocytes. Baughn RE, et al. **Infect Immun** 1982 Feb; 35(2):552–9

Activation of macrophages by products of lymphocytes from normal and syphilitic rabbits. Lukehart SA. **Infect Immun** 1982 Jul;37(1):64–9

Transfer of resistance with syphilitic immune cells: lack of correlation with mitogenic activity. Schell RF, et al. **Infect Immun** 1982 Jan;35(1):187–92

Immune complexes in experimental T. pallidum infection in rabbits. Maret SM, et al. **J Clin Lab Immunol** 1982 May; 8(1):47–50

Avoidance of host defences by Treponema pallidum in situ and on extraction from infected rabbit testes. Penn CW. **J Gen Microbiol** 1981 Sep;126(Pt 1):69–75

Humoral immune response in human syphilis to polypeptides of Treponema pallidum. Hanff PA, et al. **J Immunol** 1982 Sep;129(3):1287–91

Identification of Treponema pallidum antigens: comparison with a nonpathogenic treponeme. Lukehart SA, et al. **J Immunol** 1982 Aug;129(2):833–8

Laboratory evidence for impaired cellular immunity in different stages of syphilis. Gschnait F, et al. **J Invest Dermatol** 1982 Jul;79(1):40–1

Isolation and characterization of TR-c, an antigen of the Reiter treponeme precipitating with antibodies in syphilis. Sand Petersen C, et al. **Scand J Immunol** 1981 May; 15(5):459–65

Isolation of a heat-stable antigen from Treponema Reiter, using an immunoadsorbent with antibodies from syphilitic patients. Strandberg Pedersen N, et al. **Scand J Immunol** 1981;14(2):137–44

[Comparative determination of syphilis-specific antibodies in the blood of newborn infants in various regions of West Germany] Sander J, et al. **Off Gesundheitswes** 1982 May; 44(5):311–2 **(Ger)**

[Serodiagnosis of syphilis (author's transl)] Rufli T. **Praxis** 1982 Apr 20;71(16):665–73 **(Ger)**

[Lymphocyte transformation test in syphilis] Wroński A, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):471–4 (Eng. Abstr.) **(Pol)**

[Quantitative T- and B-lymphocyte correlations in patients with T. rubrum infection, pyodermatitis, syphilis and psoriasis] Fedotov VP, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):16–21 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Accelerated lesion development in experimental syphilis. Fitzgerald TJ. **Infect Immun** 1981 Nov;34(2):478–82

Experimental syphilitic orchitis in rabbits: ultrastructural appearance of Treponema pallidum during phagocytosis and dissolution by macrophages in vivo. Sell S, et al. **Lab Invest** 1982 Apr;46(4):355–64

[Ultrastructural and immunological characterization of a Treponema isolated from pleural effusion in a syphilis patient] Falcieri E, et al. **Boll Ist Sieroter Milan** 1981 Nov; 60(5):386–93 **(Ita)**

[Studies on the morphology, pathogenicity and antigenic properties of Treponema pallidum 'P' strain] Zając W. **Przegl Dermatol** 1981 May–Jun;68(3):343–9 (Eng. Abstr.) **(Pol)**

[Detection of atypical Treponema pallidum in the chancre of a white mouse] Ivlieva MS, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):21–4 (Eng. Abstr.) **(Rus)**

[Treponema pallidum ultrastructure and the mechanisms of cellular protection before and during syphilis therapy] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1981 Dec; (12):37–40 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Rubella susceptibility and syphilis in Asian pregnancies. Birdsong WM, et al. **Am J Obstet Gynecol** 1982 Mar 15; 142(6 Pt 1):705–6

Early syphilis morbidity in New York City: an analysis of trends and contributing factors. Felman YM. **Cutis** 1981 Nov;28(5):527–8, 531 (7 ref.)

Syphilis control in populations previously exposed to yaws. Hart G. **Int J Epidemiol** 1982 Jun;11(2):181–7

Etiogenesis of the European cystic fibrosis polymorphism: heterozygote advantage against venereal syphilis? Hollander DH. **Med Hypotheses** 1982 Feb;8(2):191–7

Syphilis trends in the United States. **MMWR** 1981 Sep 11; 30(35):441–4, 449

[Clinical aspects of primary syphilis in men treated at the Dermatological Clinic in Cracow during the years 1925–1939 and 1965–1979] Starzycki Z. **Przegl Dermatol** 1981 May–Jun;68(3):357–63 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The retrocorneal ridge in syphilitic and herpetic interstitial keratitis: an electron-microscopic study. Kanai A, et al. **Ann Ophthalmol** 1982 Feb;14(2):120–4

Development of caries sicca in a dry calvaria. Hackett CJ. **Virchows Arch [Pathol Anat]** 1981;391(1):53–79

[Vitiligo and specific leukoderma in secondary recurrent syphilis] Anchupane IS, et al. **Vestn Dermatol Venerol** 1982 May;(5):72–3 (Eng. Abstr.) **(Rus)**

[Clinical laboratory and electron microscopic study of the cell makeup of the lymph nodes of white mice infected with different Treponema pallidum strains] Ivlieva MS, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):21–4 (Eng. Abstr.) **(Rus)**

[Experimental syphilis in white mice infected with different strains of Treponema pallidum] Ivlieva MS. **Vestn Dermatol Venerol** 1981;(10):20–5 (Eng. Abstr.) **(Rus)**

[Cytology of the chancres in primary syphilis] Kolpakov FI, et al. **Vestn Dermatol Venerol** 1982 May;(5):36–9 (Eng. Abstr.) **(Rus)**

[Syphilis in a child (a rare case of a home infection with penile localization of the hard chancre)] Lempert AS, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):76–7 (Eng. Abstr.) **(Rus)**

[2 cases of an early syphilitic lesion of the stomach] Levin MM, et al. **Vestn Dermatol Venerol** 1981 May;(5):65–7 (Eng. Abstr.) **(Rus)**

[Current clinical aspects of syphilis. Apropos of the frequency of atypical clinical forms] Capdevila JM, et al. **Actas Dermosifiliogr** 1981 May–Jun;72(5–6):271–4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Auditory brain-stem responses in syphilis. Rosenhall U, et al. **Br J Vener Dis** 1981 Aug;57(4):241–5

[Liver function in early forms of syphilis] Shinskiĭ GE, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):31–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Achievements in syphilis, leprosy and tinea capitis control in new China. Hu CK, et al. **Chin Med J [Engl]** 1982 Feb; 95(2):109–12

PSYCHOLOGY

[Mental and personality characteristics of married couples with infectious forms of syphilis] Egorov NA, et al. **Vestn Dermatol Venerol** 1981 May;(5):73–6 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Syphilis d'emblée due to blood transfusion. Case report. Soendjojo A, et al. **Br J Vener Dis** 1982 Jun;58(3):149–50

Sexually transmitted diseases. Primary syphilis. Felman YM, et al. **Cutis** 1982 Feb;29(2):122–4, 128, 133, 136

[Sexually transmitted multiple infections in the picture of acute hepatitis. A case report] Wolfert W, et al. **Internist (Berlin)** 1981 Sep;22(9):585–9 **(Ger)**

SYPHILIS, CARDIOVASCULAR

COMPLICATIONS

Rupture of syphilitic aneurysm of ascending aorta into main pulmonary artery: successful emergency repair [letter] Panday S, et al. **J Thorac Cardiovasc Surg** 1982 Mar; 83(3):470–1

[Report of two successful correction of syphilitic coronary ostial obstruction (author's transl)] Wake K, et al. **Kyobu Geka** 1982;35(2):136–9 (Eng. Abstr.) **(Jpn)**

[Clinical and morphological variants of cardiovascular syphilis] Saksonov SI, et al. **Ter Arkh** 1981;53(12):28–32 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Neurosyphilitic arteritis. Clinical, paraclinical and therapeutic data. A review of six cases (author's transl)] Aupy M, et al. **Sem Hop Paris** 1982 May 6;58(18):1101–6 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Treatment of syphilis: a short critical review. Panconesi E, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):321–5

ETIOLOGY

Meningovascular syphilis after 'appropriate' treatment of primary syphilis. Moskovitz BL, et al. **Arch Intern Med** 1982 Jan;142(1):139–40

PATHOLOGY

[Case of pulmonary artery compression by an aortic aneurysm in tertiary syphilis] Ashmarin Iula, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):72–4 (Eng. Abstr.) **(Rus)**

SURGERY

Severe tricuspid incompetence secondary to florid syphilitic aortic regurgitation--successful surgical management. Pandey S, et al. **Indian Heart J** 1981 Nov–Dec; 33(6):298–300

SYPHILIS, CONGENITAL

COMPLICATIONS

Late appearance of nephrotic syndrome in congenital syphilis. Repetto HA, et al. **J Pediatr** 1982 Apr;100(4):591–2

[The nephrotic syndrome in congenital syphilis] De Caprio P, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):417–33 (Eng. Abstr.) **(Ita)**

[Thrombocytosis in a case of congenital syphilis] Martucci E, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):861–9 **(Ita)**

DIAGNOSIS

The cost of routine antenatal screening for syphilis. Bryce RL, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):211–3

[Syphilitic keratitis (apropos of a case)] Lamdouar Bellakhdar N, et al. **Maroc Med** 1981 Jun–Oct;3(2–3):679–84 (Eng. Abstr.) **(Fre)**

[Syphilis antibody determination in pregnancy] Sander J, et al. **MMW** 1982 Mar 5;124(9):219–20 **(Ger)**

[Specificity and sensitivity of immunological diagnosis of congenital neonatal syphilis by the 19S(IgM)-FTA-ABS test (author's transl)] Müller F, et al. **Z Hautkr** 1982 Jul 1;57(13):983–1001 (Eng. Abstr.) **(Ger)**

[Congenital syphilis today] Calvani M, et al. **Recenti Prog Med** 1981 Nov;71(5):510–4 **(Ita)**

[Diagnosis of early congenital syphilis] Kapkaev RA, et al. **Vestn Dermatol Venerol** 1981;(10):62–6 (Eng. Abstr.) **(Rus)**

[Congenital syphilis in adopted children from developing countries] Gustavson KH, et al. **Lakartidningen** 1981 Aug 5;78(32–33):2773–4 **(Swe)**

DRUG THERAPY

Treatment of syphilis: a short critical review. Panconesi E, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):321–5

OCCURRENCE

Screening test for syphilis-specific antibodies added to a screening program for congenital hypothyroidism. Sander J, et al. **J Pediatr** 1982 Jan;100(1):93–5

PATHOLOGY

Congenital syphilis in the fetus and neonate. Oppenheimer EH, et al. **Perspect Pediatr Pathol** 1981;6:115–38

PREVENTION & CONTROL

Sexually transmitted disease surveillance [letter] Schofield CB. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):825

RADIOGRAPHY

Osseous manifestations in congenital syphilis: a study of 55 cases. Sachdev M, et al. **Clin Radiol** 1982 May 3; 33(3):319–23

[Iconographic rubric: Late manifestation of congenital syphilis] Ferré P, et al. **Arch Fr Pediatr** 1982 Feb; 39(2):111–2 **(Fre)**

SYPHILIS, CUTANEOUS

COMPLICATIONS

[Penile gangrene] Ezhkov GA. **Vestn Dermatol Venerol** 1982 Apr;(4):58–64 **(Rus)**

DIAGNOSIS

Nodular secondary syphilis. Graham WR Jr, et al. **Arch Dermatol** 1982 Mar;118(3):205–6

[Case of malignant course of secondary recurrent syphilis] Toporovskiĭ LM, et al. **Vestn Dermatol Venerol** 1982 Feb; (2):70–1 **(Rus)**

PATHOLOGY

In situ identification of mononuclear cells in cutaneous infiltrates in discoid lupus erythematosus, sarcoidosis and secondary syphilis. Bjerke JR, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):371–80

Leukaemia cutis mimicking primary syphilis. Czarnecki DB, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):368–9

[Vitiligo and specific leukoderma in secondary recurrent syphilis] Anchupane IS, et al. **Vestn Dermatol Venerol** 1982 May;(5):72–3 (Eng. Abstr.) **(Rus)**

[Case of ecthymiform and rupioid syphilid] Zuĭ GI, et al. **Vestn Dermatol Venerol** 1981;(10):67–8 (Eng. Abstr.) **(Rus)**

[Current clinical aspects of syphilis. Apropos of the frequency of atypical clinical forms] Capdevila JM, et al. **Actas Dermosifiliogr** 1981 May–Jun;72(5–6):271–4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Jarisch-Herxheimer reaction in complement-depleted rabbits. Histological and immunofluorescence studies of early cutaneous lesions. Aronson IK, et al. **Br J Vener Dis** 1981 Aug;57(4):226–31

SYPHILIS, LATENT

CEREBROSPINAL FLUID

Cerebrospinal fluid penicillin levels during therapy for latent syphilis. Ducas J, et al. **JAMA** 1981 Dec 4;246(22):2583–4

Penetration of penicillin into the cerebrospinal fluid of patients with latent syphilis. Goldmeier D, et al. **Pharmatherapeutica** 1981;3(1):14–7

DIAGNOSIS

[Syphilitic keratitis (apropos of a case)] Lamdouar Bellakhdar N, et al. **Maroc Med** 1981 Jun-Oct;3(2-3):679-84 (Eng. Abstr.) **(Fre)**

[Problems raised by endemic treponematoses (endemic syphiles and pian)] Maleville J. **Rev Med Suisse Romande** 1982 Jan;102(1):55-8 **(Fre)**

[Errors in the diagnosis of latent syphilis] Frishman MP. **Vestn Dermatol Venerol** 1982 Apr;(4):72-5 **(Rus)**

IMMUNOLOGY

[Specific serological reactions and factors in the natural resistance of the body in latent syphilis] Budanova NP, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):41-3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Primary syphilis latency] Il'in II. **Vestn Dermatol Venerol** 1981 Jun;(6):65-8 (Eng. Abstr.) **(Rus)**

THERAPY

Defusing a geriatric menace--latent VD. Klein LE, et al. **Geriatrics** 1982 Aug;37(8):125-8, 132

SYPHILIS SERODIAGNOSIS

Laws mandating premarital serologic tests for syphilis should be repealed. Felman YM. **Arch Dermatol** 1982 Mar; 118(3):145-6

False-negative test results to non-agglutinating (incomplete) antibodies [letter] de Klerk E, et al. **Br J Vener Dis** 1982 Aug;58(4):275-6

Diagnosis of syphilis. Luger A. **Bull WHO** 1981;59(5):647-54

Fluorescent treponemal antibody-absorption (FTA-ABS) test. Bos JD. **Int J Dermatol** 1982 Apr;21(3):125-30 (65 ref.)

How useful are the serologic tests for syphilis? Felman Y. **Int J Dermatol** 1982 Mar;21(2):79-81

Syphilis control in populations previously exposed to yaws. Hart G. **Int J Epidemiol** 1982 Jun;11(2):181-7

Increased risk of infection with hepatitis A and B viruses in men with a history of syphilis: relation to sexual contacts. Kryger P, et al. **J Infect Dis** 1982 Jan;145(1):23-6

Routine screening of hospital blood samples for syphilis. A pilot study in Mount Isa, Queensland. Curson PM, et al. **Med J Aust** 1981 Dec 12-26;2(12-13):672

Luetic meningitis with gumma [letter] Simon DB. **Neurology (NY)** 1982 May;32(5):573

Does it make sense for blood transfusion services to continue the time-honored syphilis screening with cardiolipin antigen? **Vox Sang** 1981 Sep;41(3):183-92

[Modern problems in the diagnosis of syphilis] Pospíšil L. **Vnitr Lek** 1982 Feb;28(2):177-81 (Eng. Abstr.) **(Cze)**

[Present aspects of syphilis: 2. Serology, therapy] Krause H. **Fortschr Med** 1981 Feb 26;99(8):245-8 (Eng. Abstr.) **(Ger)**

[Evaluating the sensitivity of various serologic syphilis tests] Trüb CL, et al. **Off Gesundheitswes** 1982 Jan;44(1):11-3 **(Ger)**

[Heroin addiction and false-positive tests for syphilis] Orsini S, et al. **Recenti Prog Med** 1982 Feb;72(2):229-36 (Eng. Abstr.) **(Ita)**

[Studies on the Treponema reactions in the cerebrospinal fluid and serum of patients with syphilis] Manikowska-Lesińska W, et al. **Przegl Dermatol** 1981 May-Jun;68(3):335-41 (Eng. Abstr.) **(Pol)**

[Specific serological reactions and factors in the natural resistance of the body in latent syphilis] Budanova NP, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):41-3 (Eng. Abstr.) **(Rus)**

[Role of serological studies in the detection of syphilis among patients in internal disease hospitals] Fel'ker AIa, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):69-70 (Eng. Abstr.) **(Rus)**

[Time period for clinicoserological follow-up of patients finishing treatment for syphilis] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1981;(10):59-62 (Eng. Abstr.) **(Rus)**

[Current problems in the serodiagnosis of syphilis] Ovchinnikov NM. **Vestn Dermatol Venerol** 1981 Aug; (8):22-6 (Eng. Abstr.) **(Rus)**

[Borderline sera in syphilis serodiagnosis] Zając W, et al. **Vestn Dermatol Venerol** 1981;(10):14-20 (Eng. Abstr.) **(Rus)**

[Serology for determining syphilis among Hansen's patients in the municipality of Plaza de la Revolución during 1970] Lovio Cárdenas Z, et al. **Rev Cubana Med Trop** 1981 May-Aug;33(2):135-40 (Eng. Abstr.) **(Spa)**

ECONOMICS

The cost of routine antenatal screening for syphilis. Bryce RL, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):211-3

Public health notes: premarital syphilis testing. Blankenbaker RG. **J Indiana State Med Assoc** 1982 Feb;75(2):135, 144

HISTORY

[Priority of the discovery of specific immobilization of Treponema (author's transl)] Pospíšil L. **Cesk Dermatol** 1981 Oct;56(5):346-8 (Eng. Abstr.) **(Cze)**

METHODS

Interpreting serologic tests for syphilis. Stewart TW Jr. **Am Fam Physician** 1982 Aug;26(2):157-62

Rapid Plasma Reagin Card Test for serodiagnosis of syphilis. Saha KC, et al. **Indian J Public Health** 1981 Apr-Jun; 25(2):79-82

Heated versus unheated sera in the hemagglutination treponemal test for syphilis. Hambie EA, et al. **J Clin Microbiol** 1982 Feb;15(2):337-8

Fluorescent treponemal antibody-absorption double-staining procedure. Hunter EF, et al. **J Clin Microbiol** 1981 Aug; 14(2):184-8

Specificity, sensitivity, and reproducibility among the fluorescent treponemal antibody-absorption test, the microhemagglutination assay for Treponema pallidum antibodies, and the hemagglutination treponemal test for syphilis. Larsen SA, et al. **J Clin Microbiol** 1981 Oct; 14(4):441-5

Unheated serum reagin test as a quantitative test for syphilis. Pettit DE, et al. **J Clin Microbiol** 1982 Feb;15(2):238-42

Evaluation of the microenzyme-linked immunosorbent assay with Treponema pallidum antigen. Pope V, et al. **J Clin Microbiol** 1982 Apr;15(4):630-4

Serodiagnosis of syphilis by an enzyme-linked immunosorbent assay for IgG antibodies against the Reiter treponeme flagellum. Pedersen NS, et al. **Scand J Immunol** 1982 Apr;15(4):341-8

Serologic tests for syphilis. Chung SJ. **South Med J** 1981 Oct;74(10):1220-1, 1224

Evaluation of VDRL test in Sudanese blood donors. Omer EF, et al. **Trop Doct** 1982 Apr;12(2):61-2

[Non-specifically positive TPHA test (author's transl)] Fadrhoncová A, et al. **Cesk Dermatol** 1981 Oct;56(5):302-6 (Eng. Abstr.) **(Cze)**

[The SPHA technic (solid phase hemadsorption) in syphilis serology. A year's experience in routine laboratory procedure] Luber A, et al. **Hautarzt** 1982 Mar;33(3):138-44 (Eng. Abstr.) **(Ger)**

[The 19S(IgM)-FTA-ABS test in the serodiagnosis of syphilis. Technique, sources of error and diagnostical information of results (author's transl)] Müller F. **Immun Infekt** 1982 Jan;10(1):23-34 (99 ref.) (Eng. Abstr.) **(Ger)**

[Serologic criteria in the diagnosis and therapy of neurosyphilis] Ritter G, et al. **Med Welt** 1981 Aug 21; 32(34):1250-1 **(Ger)**

[Syphilis antibody determination in pregnancy] Sander J, et al. **MMW** 1982 Mar 5;124(9):219-20 **(Ger)**

[Serodiagnosis of syphilis (author's transl)] Rufli T. **Praxis** 1982 Apr 20;71(16):665-73 **(Ger)**

[Serological diagnosis of syphilis by the SPHA test (author's transl)] Luger A, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):506-8 (Eng. Abstr.) **(Ger)**

[Specificity and sensitivity of immunological diagnosis of congenital neonatal syphilis by the 19S(IgM)-FTA-ABS test (author's transl)] Müller F, et al. **Z Hautkr** 1982 Jul 1;57(13):983-1001 (Eng. Abstr.) **(Ger)**

[Serodiagnosis of syphilis (lues)] **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):1-8 **(Ger)**

[Modern laboratory diagnosis of syphilis] Horváth I. **Orv Hetil** 1982 Jan 17;123(3):149-54 **(Hun)**

[Cause and methods of elimination of nonspecific immunofluorescence of Treponema pallidum. Role of human complement in the Treponema pallidum immunofluorescence reaction] Ruczkowska J. **Przegl Dermatol** 1981 Mar-Apr;68(2):181-7 (Eng. Abstr.) **(Pol)**

[Use of the peripheral blood macrophage stimulation test in the diagnosis of syphilis] al-Hajj al-To. **Lab Delo** 1981; (6):364-6 (Eng. Abstr.) **(Rus)**

[Counterimmunoelectroosmophoretic method for syphilis diagnosis (preliminary report)] Margolina AN, et al. **Lab Delo** 1981;(11):678-80 (Eng. Abstr.) **(Rus)**

[Use of specific serological reactions for syphilis in the examination of pregnant women] Arkhangel'skaia EI, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):70-3 (Eng. Abstr.) **(Rus)**

[Passive hemagglutination reaction for syphilis serodiagnosis] Balashov MP. **Vestn Dermatol Venerol** 1981 Sep;(9):36-9 (52 ref.) **(Rus)**

[Differentiated use of serological tests in syphilology practice] Milich MV, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):26-31 (Eng. Abstr.) **(Rus)**

STANDARDS

Posttreatment serological response of biologic false-positive reactors. Fiumara NJ. **JAMA** 1982 Feb 12;247(6):817-8

[Spontaneous false negative results of the standard serodiagnostic reactions in syphilis] Ovchinnikov NM. **Vestn Dermatol Venerol** 1982;(1):68-73 **(Rus)**

SYRINGES

Diazepam adsorption to infusion sets and plastic syringes. Winsnes M, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):93-6

Significance of dead space in syringes. Wong DL. **Am J Nurs** 1982 Aug;82(8):1237

Syringes are unsuitable for pipetting submicromolar solutions of nucleoside triphosphates because of adsorption. Goswami T, et al. **Anal Biochem** 1981 Nov 1;117(2):336-8

An unusual cause for increased resistance to injection during administration of spinal anesthesia [letter] Glick RV. **Anesthesiology** 1982 Jul;57(1):64-5

Measurement of bubble volume in dental anaesthetic cartridges. Darvell BW. **Aust Dent J** 1982 Apr;27(2):119

Chemical leaching from Terumo syringe seals [letter] Graham DT, et al. **Aust NZ J Med** 1982 Jun;12(3):305-6

A modified self-aspirating syringe. Hill CM. **Br Dent J** 1982 May 18;152(10):354-5

Blood gas analysis: effect of air bubbles in syringe and delay in estimation. Biswas CK, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):923-7

Multiple use of ordinary disposable syringes for insulin injections. Oli JM, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):236

Nickel contact dermatitis in a blood bank. Fernández de Corres L, et al. **Contact Dermatitis** 1982 Jan;8(1):32-7

Efficacy of various syringe shields for 99mTc. McElroy NL. **Health Phys** 1981 Sep;41(3):535-42

Sorption to plastic syringes of drugs administered by syringe pump. Simmons A, et al. **J Clin Hosp Pharm** 1981 Mar; 6(1):71-3

Insulin residues in hypodermic syringes and needles. Fletcher SM. **J Forensic Sci Soc** 1982 Jan;22(1):45-6

Recovery of Pseudomonas aeruginosa from syringes of drug addicts with endocarditis. Rajashekaraiah KR, et al. **J Infect Dis** 1981 Nov;144(5):482

Syringeability of nonaqueous parenteral formulations--development and evaluation of a testing apparatus. Chien YW, et al. **J Parenter Sci Technol** 1981 Nov-Dec;35(6):281-4

Reuse of disposable insulin syringes. Stepanas TV, et al. **Med J Aust** 1982 Apr 3;1(7):311-3

A versatile carrier for simply constructed wire knives and microsyringes. Scouten CW, et al. **Physiol Behav** 1981 Jun; 26(6):1115-9

Failure of amniotic fluid cell cultures due to syringe toxicity [letter] Kohn G. **Prenatal Diagn** 1981 Jul;1(3):233

Does transfusion using a syringe infusion pump and small-gauge needle cause hemolysis? Wilcox GJ, et al. **Transfusion** 1981 Nov-Dec;21(6):750-1

[Injectors of inert and radioactive gas boluses (author's transl)] Ben Jebria A, et al. **Bull Eur Physiopathol Respir** 1981;17(2):261-7 (Eng. Abstr.) **(Fre)**

[Device for filling syringes with gaseous oxygen] Kulish TK, et al. **Oftalmol Zh** 1981;36(3):186-7 **(Rus)**

HISTORY

Hypodermic medication; early history. Haller JS Jr. **NY State J Med** 1981 Oct;81(11):1671-9

STANDARDS

Leaching of a contaminant into the contents of disposable syringes. **Aust NZ J Med** 1981 Aug;11(4):435

Insulin syringe dead-space and diabetic control [letter] Mann NP, et al. **Lancet** 1981 Nov 14;2(8255):1120-1

Insulin syringes: dangers of dead space. Arnott RD, et al. **Med J Aust** 1982 Jul 10;2(1):39-40

Disposable insulin syringes [letter] Colagiuri S. **Med J Aust** 1981 Aug 22;2(4):207

Plastic syringes and intravenous infusions [letter] Roberts MS, et al. **Med J Aust** 1981 Nov 28;2(11):580-1

SYRINGOMYELIA

COMPLICATIONS

Charcot's elbow (a case report). Bhaskaran R, et al. **J Postgrad Med** 1981 Jul;27(3):194-6

Familial syringomyelia with mental impairment. Jefferson TO, et al. **J R Army Med Corps** 1982 Feb;128(1):41-2

Spinal haemangioblastoma associated with syringomyelia and multiple lung lesions. Iannotti F, et al. **Surg Neurol** 1981 Nov;16(5):373-9

DIAGNOSIS

Syringomyelia and syringomielic syndrome by cervical spondylosis. Report on three cases presenting with neurogenic osteoarthropathies. Lucci B, et al. **J Neurosurg Sci** 1981 Jul-Dec;25(3-4):169-72

Hydromyelia: clinical presentation and comparison of modalities of treatment. Schlesinger EB, et al. **Neurosurgery** 1981 Oct;9(4):356-65

DRUG THERAPY

[Amelioration of trophic disorders using thyrocalcitonin in syringobulbia (letter)] Treves R, et al. **Rev Rhum Mal Osteoartic** 1981 Jul-Sep;48(7-9):606-7 **(Fre)**

ETIOLOGY

Syringomyelia after spinal cord injury. Padilla CR. **Am Fam Physician** 1982 Jul;26(1):145-51

Some observations on the pathogenesis of syringomyelia. Newman PK, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov;44(11):964-9

Infantile hypoventilation syndrome, neurenteric cyst, and syringobulbia. Chung HD, et al. **Neurology (NY)** 1982 Apr;

32(4):441–4
[Post-traumatic syringomyelia] Ohry A, et al. **Harefuah** 1981 Apr 1;100(7):340–1 **(Heb)**

FAMILIAL & GENETIC

HLA and syringomyelia. Newman PK, et al. **J Neuroimmunol** 1982 Aug;3(1):23–6

PATHOLOGY

Cerebellar medulloblastoma associated with lumbosacral syringomyelia. Nishio S, et al. **J Neurol** 1982;227(2):67–73

PHYSIOPATHOLOGY

A case of syringomyelia: electrophysiological analysis and treatment for attacks of periodical spasms and intractable pain. Taguchi K, et al. **Neurol Med Chir (Tokyo)** 1981 Jan; 21(1):135–42
[Role of the muscle factor in the pathogenesis of painful forms of syringomyelia] Ivanichev GA, et al. **Zh Nevropatol Psikhiatr** 1982;82(4):49–52 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Considerations in the diagnosis and treatment of syringomyelia and the Chiari malformation. Cahan LD, et al. **J Neurosurg** 1982 Jul;57(1):24–31
CT appearance of syringohydromyelia. Giordano GB, et al. **J Neurosurg Sci** 1981 Apr–Jun;25(2):85–8
Computed tomography of 'cystic' intramedullary lesions. Pullicino P, et al. **Neuroradiology** 1982;23(3):117–21
[Metrizamide computed tomography in syringomyelia (author's transl)] Ogawa T, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1307–11 (Eng. Abstr.) **(Jpn)**
[Syringomyelia in myelographic findings and computer tomography] Gołąbek R, et al. **Wiad Lek** 1982 Apr 15; 35(2):141–4 **(Pol)**

REHABILITATION

[Rehabilitation of syringomyelia patients] Vesel'skiĭ ISh, et al. **Vrach Delo** 1981 Jul;(7):76–8 **(Rus)**

SURGERY

Surgical management of syringomyelia [editorial] Pearce JM. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1204–5
Favorable results with syringosubarachnoid shunts for treatment of syringomyelia. Tator CH, et al. **J Neurosurg** 1982 Apr;56(4):517–23
The syringo–hydromyelia and its surgical treatment. Zander E, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):271–7
Syringoperitoneal shunt for syringomyelia: a preliminary report. Phillips TW, et al. **Surg Neurol** 1981 Dec; 16(6):462–6

SYRINGOPINE see **SYROSINGOPINE**

SYROSINGOPINE

PHARMACODYNAMICS

Effect of an amnesic dose of reserpine, syrosingopine or guanethidine on the levels of whole brain dopamine and norepinephrine in the mouse. Brown OM, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):911–4

THERAPEUTIC USE

Prolactin secretion during reserpine and syrosingopine treatment. Camanni E, et al. **Eur J Clin Pharmacol** 1981; 20(5):347–9

SYSTEMS ANALYSIS

see related
RESEARCH
SYSTEMS THEORY
TASK PERFORMANCE AND ANALYSIS

A computer primer: systems development. Alleyne J. **Dimens Health Serv** 1982 Jun;59(6):6–7
A computer primer: systems requirements. Alleyne J. **Dimens Health Serv** 1982 May;59(5):46
A computer primer: systems planning. Alleyne J. **Dimens Health Serv** 1982 Apr;59(4):38–9
A computer primer: the systems development process. Alleyne J. **Dimens Health Serv** 1982 Mar;59(3):26–7
A systems approach to nursing the patient with multiple systems failure. Maher AB. **Heart Lung** 1981 Sep–Oct; 10(5):866–73
A systematic approach to medical motion picture production. Myers RL. **J Biol Photogr** 1981 Oct;49(4):123–36
A systematic approach to medical motion picture production. Part II. Myers RL. **J Biol Photogr** 1982 Jan;50(1):15–29
Systems analysis: a promising focus for biosocial research. Shimkin DB. **J Biosoc Sci** 1981 Apr;13(2):127–37
Managing medical malpractice risk via system science. Grose VL. **J Med Syst** 1982 Feb;6(1):89–103
Clinical hyperthermia systems engineering. Samaras GM, et al. **J Microwave Power** 1981 Jun;16(2):161–9
Using computer simulation to predict ICU staffing needs. Duraiswamy N, et al. **J Nurs Adm** 1981 Feb;11(2):39–44
Diagnosis, size estimation and prediction of acute myocardial infarction from S-myoglobin observations. A system analysis to assess the influence of various sources of variability. Groth T, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:111–24
[Information and health programs] Záček A. **Cesk Zdrav** 1982 Jan;30(1):7–16 (Eng. Abstr.) **(Cze)**
[Intensive care chart for postoperative treatment based on systems analysis] Toscano M, et al. **G Ital Cardiol** 1981; 11(12):2193–8 **(Ita)**
[Materno–fetus functional system. Experience of the systems approach to the physiology of fetal–maternal relationship] Savchenkov IuI. **Akush Ginekol (Mosk)** 1981 Jun;(6):3–7 (31 ref.) **(Rus)**
[Systems analysis in pathology and its potential use in studying the morphogenesis of infections] Ariél' BM. **Arkh Patol** 1981;43(11):3–13 (56 ref.) (Eng. Abstr.) **(Rus)**
[Ethical requirements from the public health officer as evaluated by systems analysis] Strwmousov BA, et al. **Gig Sanit** 1982 Feb;(2):45–8 **(Rus)**
[Quantitative analysis of systems regulation of cardiac activity] Medelianovskiĭ AN, et al. **Vestn Akad Med Nauk SSSR** 1982;(2):82–8 (Eng. Abstr.) **(Rus)**

SYSTEMS THEORY

see related
MODELS, THEORETICAL

The arteries of the spinal cord. The history of a paradigmal shift. Luyendijk W. **Acta Neurochir (Wien)** 1982; 61(1–3):25–41
A model of human occupation, Part 4. Assessment and intervention. Kielhofner G, et al. **Am J Occup Ther** 1980 Dec;34(12):777–88
The aesthetic preference: overcoming the pragmatic error. Allman LR. **Fam Process** 1982 Mar;21(1):43–56
Paradoxes, double binds, and reflexive loops: an alternative theoretical perspective. Cronen VE, et al. **Fam Process** 1982 Mar;21(1):91–112
Beyond homeostasis: toward a concept of coherence. Dell PF. **Fam Process** 1982 Mar;21(1):21–41
Some conceptual distinctions are more useful than others. de Shazer S. **Fam Process** 1982 Mar;21(1):71–84
Openness: a round-table discussion. Elkaïm M, et al. **Fam Process** 1982 Mar;21(1):57–70
Paradox as epistemological jump. Rosenbaum RL. **Fam Process** 1982 Mar;21(1):85–90
A systematic approach to faculty development for family practice faculty. Bland CJ, et al. **J Fam Pract** 1982 Mar; 14(3):537–43
Genograms: a guide to understanding one's own family system. Starkey PJ. **Perspect Psychiatr Care** 1981 Sep–Dec; 19(5–6):164–73
Bowen's family systems theory as exemplified in Bergman's 'Scenes from a Marriage'. Weinstein RK. **Perspect Psychiatr Care** 1981 Sep–Dec;19(5–6):156–63
[System theoretical aspects of senescence (author's transl)] Beier W. **ZFA (Dresden)** 1980;35(5):349–53 (Eng. Abstr.) **(Ger)**
[To the self-organization of living systems as a concept of theoretical investigations in gerontology (author's transl)] Laue R. **ZFA (Dresden)** 1980;35(5):355–7 (Eng. Abstr.) **(Ger)**
[Biological system reactions to adequate weak low-frequency electromagnetic fields] Kislovskiĭ LD. **Probl Kosm Biol** 1982;43:148–66 (36 ref.) **(Rus)**
[Development of a model of interaction of hierarchical levels of the living matter] Bobrovskiĭ PP, et al. **Vestn Akad Med Nauk SSSR** 1982;(4):21–9 **(Rus)**
[Activity of the individual cortical neurons in unrestrained animal behavior studied on the basis of the theory of functional systems] Fadeev IuA, et al. **Vestn Akad Med Nauk SSSR** 1982;(2):42–7 (Eng. Abstr.) **(Rus)**
[Systems approach as a conceptual basis for the study of emotional stress] Iumatov EA. **Vestn Akad Med Nauk SSSR** 1982;(2):63–9 (54 ref.) (Eng. Abstr.) **(Rus)**
[Systems integration of pain excitation] Kaliuzhnyĭ LV. **Vestn Akad Med Nauk SSSR** 1982;(2):75–81 (26 ref.) (Eng. Abstr.) **(Rus)**
[Systemogenesis of paired and polyorganismic relationships] Kokina NN. **Vestn Akad Med Nauk SSSR** 1982;(2):35–42 (Eng. Abstr.) **(Rus)**
[Plastic properties of motivation as a leading component of the systems organization of purposeful behavioral acts] Kotov AV, et al. **Vestn Akad Med Nauk SSSR** 1982; (2):17–21 (13 ref.) (Eng. Abstr.) **(Rus)**
[Development of the hypothesis of systems quantitation of behavior with reference to human occupational activity] Ryzhikov GV. **Vestn Akad Med Nauk SSSR** 1982;(2):14–7 (Eng. Abstr.) **(Rus)**
[Brain-specific proteins in the systems activity of the neuron] Sherstnev VV. **Vestn Akad Med Nauk SSSR** 1982;(2):47–53 (Eng. Abstr.) **(Rus)**
[Dynamic properties of the systems organization of purposeful behavior] Shumilina AI, et al. **Vestn Akad Med Nauk SSSR** 1982;(2):26–34 (Eng. Abstr.) **(Rus)**
[New aspects of the theory of a functional system] Sudakov KV. **Vestn Akad Med Nauk SSSR** 1982;(2):3–14 (45 ref.) (Eng. Abstr.) **(Rus)**
[Systems mechanisms of human subconscious activity] Umriukhin EA. **Vestn Akad Med Nauk SSSR** 1982; (2):88–95 (Eng. Abstr.) **(Rus)**
[Systems relations in neuropathology and psychiatry (theoretical questions)] Kryzhanovskiĭ GN. **Zh Nevropatol Psikhiatr** 1981;81(7):961–9 **(Rus)**

SYSTOLE see under **MYOCARDIAL CONTRACTION**

SYSTOLIC CLICK–MURMUR SYNDROME see **MITRAL VALVE PROLAPSE**

SZONDI TEST see under **PROJECTIVE TECHNICS**

2,4,5-T see **2,4,5-TRICHLOROPHENOXYACETIC ACID**

T-2 TOXIN see under **SESQUITERPENES**

T-GROUPS see **SENSITIVITY TRAINING GROUPS**

T-INDEPENDENT ANTIGENS see **ANTIGENS, T-INDEPENDENT**

T-MYCOPLASMA see **UREAPLASMA**

T-PHAGES

ANALYSIS

Electrophoresis in density gradients of metrizamide. Serwer P, et al. **Anal Biochem** 1981 Jul 1;114(2):342–8
Characterization of bacteriophage T4 and D RNA, a low-molecular-weight RNA of unknown function. Plunkett G, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):298–306
Assembly of bacteriophage T7. Dimensions of the bacteriophage and its capsids. Stroud RM, et al. **Biophys J** 1981 Dec;36(3):743–57
Flow birefringence of T7 phage DNA: dependence on salt concentration. Cairney KL, et al. **Biopolymers** 1982 May; 21(5):923–34
Identification of some bacteriophage T4 prereplicative proteins on two-dimensional gel proteins. Cook KS, et al. **J Virol** 1982 Jun;42(3):767–72
Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. I. Identification of T4D gene 28 product in the tail plug. Kozloff LM, et al. **J Virol** 1981 Dec;40(3):635–44
Second-step transfer of bacteriophage T5 DNA: purification and characterization of the T5 gene A2 protein. Snyder CE Jr, et al. **J Virol** 1981 Oct;40(1):248–57

DRUG EFFECTS

Antimicrobial action of silver nitrate. Richards RM. **Microbios** 1981;31(124):83–91
Inhibitory effect of hydroquinone and related agents on multiplicity reactivation and genetic recombination of bacteriophage T4. Maezawa H, et al. **Tokai J Exp Clin Med** 1982 Jan;7(1):85–93

ENZYMOLOGY

Existence of intermediates in the refolding of T4 lysozyme at pH 7.4. Desmadril M, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):563–9
Stereochemical course of nucleotidyl transfer catalyzed by bacteriophage T7 induced DNA polymerase. Brody RS, et al. **Biochemistry** 1982 May 11;21(10):2570–2
T7 ribonucleic acid polymerase–promotor interactions. Osterman HL, et al. **Biochemistry** 1981 Aug 18; 20(17):4884–92
Lysozyme activity of bacteriophage T4 ghosts. Szewczyk B, et al. **Biochim Biophys Acta** 1981 Nov 13;662(1):131–7
Bacteriophage fd gene-2 protein. Processing of phage fd viral strands replicated by phage T7 enzymes. Harth G, et al. **Eur J Biochem** 1981 Oct;119(3):663–8
The specificity requirements of bacteriophage T4 lysozyme. Involvement of N-acetamido groups. Kleppe G, et al. **Eur J Biochem** 1981 Oct;119(3):589–93
Characterization of the active site of ribonucleotide reductase of Escherichia coli, bacteriophage T4 and mammalian cells by inhibition studies with hydroxyurea analogues. Larsen IK, et al. **Eur J Biochem** 1982 Jun 15;125(1):75–81
Immunochemical study of phage T4 lysozyme. Desmadril M, et al. **FEBS Lett** 1981 Oct 12;133(1):183–7
The topoisomerase activity of T4 amG39 mutant is restored in Mu lysogens. Ghelardini P, et al. **FEBS Lett** 1982 Jan 11;137(1):49–52
Affinity purification of bacteriophage T4 lysozyme free of nuclease. Szewczyk B, et al. **FEBS Lett** 1982 Mar 8; 139(1):97–100
Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689–92
Purification and characterization of normal and mutant forms of T4 endonuclease V. Nakabeppu Y, et al. **J Biol Chem** 1982 Mar 10;257(5):2556–62
A study of the mechanism of T4 DNA polymerase with diastereomeric phosphorothioate analogues of

deoxyadenosine triphosphate. Romaniuk PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7684–8

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10,257(3):1267–73

Structure of the tyrosyl radical in bacteriophage T4–induced ribonucleotide reductase. Sahlin M, et al. **J Biol Chem** 1982 Jan 10;257(1):366–9

Amino acid substitutions far from the active site of bacteriophage T4 lysozyme reduce catalytic activity and suggest that the C–terminal lobe of the enzyme participates in substrate binding. Grütter MG, et al. **J Mol Biol** 1982 Jan 25;154(3):525–35

Membrane–associated DNase activity controlled by genes 46 and 47 of bacteriophage T4D and elevated DNase activity associated with the T4 das mutation. Mickelson C, et al. **J Virol** 1981 Oct;40(1):65–77

Evidence that the UV endonuclease activity induced by bacteriophage T4 contains both pyrimidine dimer–DNA glycosylase and apyrimidinic/apurinic endonuclease activities in the enzyme molecule. Warner HR, et al. **J Virol** 1981 Oct;40(1):204–10

Specific and reversible inhibition of the blunt end joining activity of the T4 DNA ligase. Ferretti L, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3695–705

Sealing of gaps in duplex DNA by T4 DNA ligase. Nilsson SV, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1425–37

Selective inhibition by harmane of the apurinic apyrimidinic endonuclease activity of phage T4–induced UV endonuclease. Warner HR, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6083–92

RNA polymerase–dependent mechanism for the stepwise T7 phage DNA transport from the virion into E. coli. Zavriev SK, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1635–52

Studies on the function of gene 49 controlled endonuclease of phage T4 (endonuclease VII). Kemper B, et al. **Prog Clin Biol Res** 1981;64:151–66

Replication of linear duplex DNA in vitro with bacteriophage T5 DNA polymerase. Fujimura RK, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:49–62

Influence of dimethylsulfoxide on transcription by bacteriophage T3–induced RNA polymerase. Musielski H, et al. **Z Allg Mikrobiol** 1981;21(6):447–56

[Biosynthesis of early enzymes induced by bacteriophage T4] Vaitkiavichene RS, et al. **Biokhimiia** 1981 Sep; 46(9):1596–602 (Eng. Abstr.) **(Rus)**

GENETICS

Inhibitor studies of phage T4 wild–type and mutant DNA polymerases. II. Differential inhibition by pyridoxal 5'–phosphate. Jantschak J, et al. **Acta Virol (Praha)** 1982 Jan;26(1–2):50–5

Amino terminal sequence of the bacteriophage T5–coded gene A2 protein. Fox JW, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):265–9

Cloning of genes for bacteriophage T5 stable RNAs. Ksenzenko VN, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):235–42

Cloning of bacteriophage T5 DNA fragments. III. Expression in Escherichia coli mini–cells. Brunel F, et al. **Gene** 1981 Dec;16(1–3):107–18

Mapping of the XhoI and SacI restriction sites on the bacteriophage T5 DNA. Davison J. **Gene** 1981 Dec; 16(1–3):97–8

Cloning of bacteriophage T5 DNA fragments. II. Isolation of recombinants carrying T5 PstI fragments. Davison J, et al. **Gene** 1981 Dec;16(1–3):99–106

Physical mapping and cloning of bacteriophage T4 anti–restriction endonuclease gene. Dharmalingam K, et al. **J Bacteriol** 1982 Feb;149(2):694–9

In vitro system for middle T4 RNA. II. Studies with T4–modified RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4097–101

In vitro system for middle T4 RNA. I. Studies with Escherichia coli RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4087–96

Bacteriophage T4 gene 45. Sequences of the structural gene and its protein product. Spicer EK, et al. **J Biol Chem** 1982 Aug 10;257(15):8972–9

Partial exclusion of bacteriophage T2 by bacteriophage T4: an exclusion–resistant mutation in gene 56 of T2. Okker RJ, et al. **J Gen Virol** 1981 Mar;53(Pt 1):13–9

Partial exclusion of bacteriophage T2 by bacteriophage T4: induction of early enzymes by excluded T2. Okker RJ. **J Gen Virol** 1981 Oct;56(Pt 2):267–74

Sequences of three class II promoters for the bacteriophage T7 RNA polymerase. Carter AD, et al. **J Mol Biol** 1981 Dec 15;153(3):825–30

The gol site: a cis–acting bacteriophage T4 regulatory region that can affect expression of all the T4 late genes. Champness WC, et al. **J Mol Biol** 1982 Mar 15; 155(4):395–407

Gene 20 product of bacteriophage T4 its purification and structure. Driedonks RA, et al. **J Mol Biol** 1981 Nov 15; 152(4):641–62

Nucleotide sequence from the genetic left end of bacteriophage T7 DNA to the beginning of gene 4. Dunn JJ, et al. **J Mol Biol** 1981 Jun 5;148(4):303–30

Mapping of transcription units in the bacteriophage T4 tRNA gene cluster. Goldfarb A, et al. **J Mol Biol** 1981 Mar 15; 146(4):393–412

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of binding at bacteriophage T7 promoter A1 using a template competition assay. Kadesch TR, et al. **J Mol Biol** 1982 Feb 15;155(1):1–29

Construction and properties of a recombinant plasmid containing gene 32 of bacteriophage T4D. Krisch HM, et al. **J Mol Biol** 1981 May 25;148(3):199–218

Kinetics and mechanism of the association of the bacteriophage T4 gene 32 (helix destabilizing) protein with single–stranded nucleic acids. Evidence for protein translocation. Lohman TM, et al. **J Mol Biol** 1981 Oct 15;152(1):67–109

Utilization of bacteriophage T7 late promoters in recombinant plasmids during infection. McAllister WT, et al. **J Mol Biol** 1981 Dec 15;153(3):527–44

Translational reinitiation in the rIIB cistron of bacteriophage T4. Napoli C, et al. **J Mol Biol** 1981 Jul 5;149(3):433–49

Mutations that detoxify an aberrant T4 membrane protein. Nelson MA, et al. **J Mol Biol** 1981 Jul 5;149(3):377–403

Cloned genes for bacteriophage T4 late functions are expressed in Escherichia coli. Oliver DB, et al. **J Mol Biol** 1981 Oct 25;152(2):267–83

DNA sequence of the tail fibre genes 36 and 37 of bacteriophage T4. Oliver DB, et al. **J Mol Biol** 1981 Dec 15;153(3):545–68

Processing of bacteriophage T4 tRNAs. The role of RNAase III. Pragai B, et al. **J Mol Biol** 1981 Dec 15;153(3):619–30

Processing of bacteriophage T4 transfer RNAs. Structural analysis and in vitro processing of precursors that accumulate in RNase E–strains. Pragai B, et al. **J Mol Biol** 1982 Jan 25;154(3):465–84

rII cistrons of bacteriophage T4. DNA sequence around the intercistronic divide and positions of genetic landmarks. Pribnow D, et al. **J Mol Biol** 1981 Jul 5;149(3):337–76

Influence of diverse gene 43 DNA polymerases on the incorporation and replication in vivo of 2–aminopurine at A X T base–pairs in bacteriophage T4. Ripley LS. **J Mol Biol** 1981 Aug 5;150(2):197–216

Genetic and physiological studies of the role of the RNA ligase of bacteriophage T4. Runnels JM, et al. **J Mol Biol** 1982 Jan 15;154(2):273–86

Analysis in vivo of translational mutants of the rIIB cistron of bacteriophage T4. Singer BS, et al. **J Mol Biol** 1981 Jul 5;149(3):405–32

Nucleotide sequence of the cloned gene for bacteriophage T7 RNA polymerase. Stahl SJ, et al. **J Mol Biol** 1981 Jun 5;148(4):481–5

Identification and mapping of five new genes in bacteriophage T7. Studier FW. **J Mol Biol** 1981 Dec 15; 153(3):493–502

Genetic and physical mapping of the late region of bacteriophage T7 DNA by use of cloned fragments of T7 DNA. Studier FW, et al. **J Mol Biol** 1981 Dec 15; 153(3):503–25

Preferred sites of frameshift mutagenesis in AT– and GC–rich microbial DNA. Clarke CH. **J Theor Biol** 1982 Feb 7; 94(3):519–34

Genetic studies on capsid–length determination in bacteriophage T4. II. Genetic evidence that specific protein–protein interactions are involved. Doherty DH. **J Virol** 1982 Aug;43(2):655–63

Genetic studies on capsid–length determination in bacteriophage T4. I. Isolation and partial characterization of second–site revertants of a gene 23 mutation affecting capsid length. Doherty DH. **J Virol** 1982 Aug;43(2):641–54

Late events in T4 bacteriophage DNA replication. III. Specificity of DNA reinitiation as revealed by hybridization to cloned genetic fragments. Halpern M, et al. **J Virol** 1982 May;42(2):422–31

Plasmid pR386 renders Escherichia coli cells restrictive to the growth of bacteriophage T4 unf mutants. Herman RE, et al. **J Virol** 1982 Jan;41(1):330–3

Rescue of first–step–transfer amber mutants by 'second–step–transfer–blocked' bacteriophage T5 on an su– strain. Hulen C, et al. **J Virol** 1981 Nov;40(2):602–4

Genetic complementation by cloned bacteriophage T4 late genes. Jacobs KA, et al. **J Virol** 1981 Jul;39(1):31–45

Regulation of expression of cloned bacteriophage T4 late gene 23. Jacobs KA, et al. **J Virol** 1981 Jul;39(1):46–59

Bacteriophage T4 alc gene product: general inhibitor of transcription from cytosine–containing DNA. Kutter EM, et al. **J Virol** 1981 Dec;40(3):822–9

Genetic recombination of bacteriophage T7 in vivo studied by use of a simple physical assay. Lee D, et al. **J Virol** 1981 Dec;40(3):839–47

Partial replication of UV–irradiated T4 bacteriophage DNA results in amplification of specific genetic areas. Ling SK, et al. **J Virol** 1981 Nov;40(2):403–10

Modification of RNA polymerase from Escherichia coli by pre–early gene products of bacteriophage T5. McCorquodale DJ, et al. **J Virol** 1981 Dec;40(3):958–62

den V gene of bacteriophage T4 codes for both pyrimidine dimer–DNA glycosylase and apyrimidinic endonuclease activities. McMillan S, et al. **J Virol** 1981 Oct;40(1):211–23

New physical map of bacteriophage T5 DNA. Rhoades M. **J Virol** 1982 Aug;43(2):566–73

Genetic and amber fragment maps of genes 46 and 47 of bacteriophage T4D. Wiberg JS, et al. **J Virol** 1981 Oct; 40(1):309–13

Monocistronic and polycistronic bacteriophage T4 gene 23 messages. Young ET, et al. **J Virol** 1981 Dec;40(3):790–9

Sizes of bacteriophage T4 early mRNA's separated by preparative polyacrylamide gel electrophoresis and identified by in vitro translation and by hybridization to recombinant T4 plasmids. Young ET, et al. **J Virol** 1981 Dec;40(3):772–89

Genetic analysis of bacteriophage T4 transducing bacteriophages. Young KK, et al. **J Virol** 1982 Jan; 41(1):345–7

A T7 amber mutant defective in DNA–binding protein. Araki H, et al. **MGG** 1981;183(1):66–73

Reversion of bacteriophage T4rII mutants by high levels of pyrimidine deoxyribonucleosides. DeVries JK, et al. **MGG** 1982;186(1):101–5

Assembly of bacteriophage T4 tail fibers: identification and characterization of the nonstructural protein gp57. Herrmann R, et al. **MGG** 1981;184(1):125–32

Influence of phage T3 and T7 gene functions on a type III(EcoP1) DNA restriction–modification system in vivo. Krüger DH, et al. **MGG** 1982;185(3):457–61

Cloning of bacteriophage T5 promoters. Ksenzenko VN, et al. **MGG** 1982;185(3):520–2

Physical mapping of bacteriophage T4. Niggemann E, et al. **MGG** 1981;184(2):289–99

Molecular cloning of the T4 genome: organization and expression of the tail fiber gene cluster 34—38. Revel HR. **MGG** 1981;182(3):445–55

In vivo expression of the rII region of bacteriophage T4 present in chimeric plasmids. Selzer G, et al. **MGG** 1981; 183(3):505–13

A possible role in transcription for the single–stranded DNA binding protein of bacteriophage T7. Yeats SM, et al. **MGG** 1981;183(1):187–91

Mutagenic specificity of nitrosomethylurea in bacteriophage T4. Ripley LS. **Mutat Res** 1981 Aug;83(1):1–14

T4 late transcripts are initiated near a conserved DNA sequence. Christensen AC, et al. **Nature** 1982 Sep 23; 299(5881):369–71

Mapping of in vitro transcription units and identification of primary transcripts of the D region of bacteriophage T4. Goldfarb A, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2791–800

Nucleotide sequence of the bacteriophage T4 gene 57 and a deduced amino acid sequence. Herrmann R. **Nucleic Acids Res** 1982 Feb 11;10(3):1105–12

Termination of transcription of the coliphage T7 'early' operon in vitro: slowness of enzyme release, and lack of any role for sigma. O'Hare KM, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4689–707

Specific deletion of DNA sequences between preselected bases. Panayotatos N, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5679–88

A minimal mechanism for abortive initiation of transcription of T7 DNA. Smagowicz W, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5845–54

Translational regulation: identification of the site on bacteriophage T4 rIIB mRNA recognized by the regA gene function. Karam J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4669–73

Initiation of DNA replication at the primary origin of bacteriophage T7 by purified proteins: requirement for T7 RNA polymerase. Romano LJ, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4107–11

Organization of the bacteriophage T4 tail fiber gene cluster 34–38. Revel HR. **Prog Clin Biol Res** 1981;64:353–64

In vitro packaging of damaged bacteriophage T7 DNA. Masker WE, et al. **Prog Nucleic Acid Res Mol Biol** 1981; 26:227–36

Novel amber mutants of bacteriophage T7, growth of which depends on Escherichia coli DNA–binding protein. Araki H, et al. **Virology** 1982 Apr 15;118(1):260–2

Nonsense suppressor mutants of bacteriophage T5. Macaluso A, et al. **Virology** 1982 Feb;117(1):275–9

Replication and plasmid–bacteriophage recombination. I. Marker rescue analysis. Smith RD, et al. **Virology** 1981 Dec;115(2):223–36

Plasmid–bacteriophage recombination. II. Density transfer analysis. Smith RD, et al. **Virology** 1982 Jun;119(2):439–49

Cloning of uvsW and uvsY genes of bacteriophage T4. Takahashi H, et al. **Virology** 1982 Jul 15;120(1):122–9

The synthesis of coliphage T1 DNA: studies on the roles of T1 genes 1, 2, and 4. Walling L, et al. **Virology** 1981 Oct 30;114(2):309–18

[W–reactivation and W–mutagenesis in lambda and T7 bacteriophages: a comparative study of the action of ultraviolet radiation (254 nm) and of the photosensitizing agents, 8–methoxypsoralen and angelicin] Zavil'gel'skiĭ GB, et al. **Genetika (Moskva)** 1982;18(1):24–35 (Eng. Abstr.) **(Rus)**

[Escherichia coli characteristics in phage DNA transfection] Iasnova LN, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):324–7 **(Rus)**

[Restriction mapping of T4 bacteriophage late gene region which contains the origins of DNA replication] Krutilina AI, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):883–93 (Eng. Abstr.) **(Rus)**

[Discontinuous transfer of phage T7 DNA molecules into Escherichia coli cells during infection] Zavriev SK, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):411–23 (Eng. Abstr.) **(Rus)**

[Effect of Escherichia coli mutation affecting the RNA polymerase sigma factor on phage T4 development] Zograf IuN. **Mol Biol (Mosk)** 1982 Jan–Feb;16(1):94–7 (Eng.

Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Lipopolysaccharide requirement of phage T6 inactivation in Escherichia coli K12. Yamato I, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):205-7

Bacteriophage T5 growth in Escherichia coli containing PstI fragments of the colicin Ib plasmid. Pinkerton T, et al. **Gene** 1981 Dec;16(1-3):89-96

Inhibition of T7 development at high concentrations of the phage. Haarr L, et al. **J Gen Virol** 1981 Mar;53(Pt 1):115-23

Involvement of the bacterial groM gene product in bacteriophage T7 reproduction. I. Arrest at the level of DNA packaging. Kuhn AH, et al. **J Virol** 1982 Feb; 41(2):657-73

Escherichia coli mutant which restricts T7 bacteriophage has an altered RNA polymerase. Shanblatt SH, et al. **J Virol** 1982 Jun;42(3):1123-6

On the role of the Escherichia coli RNA polymerase sigma factor in T4 phage development. Zograff YN. **MGG** 1981; 183(3):557-8

The role of rho in bacteriophage T4 development. I. Control of growth and polarity. Daegelen P, et al. **Virology** 1982 Feb;117(1):105-20

The role of rho in bacteriophage T4 development. II. mot-dependent (middle mode) RNA synthesis. Daegelen P, et al. **Virology** 1982 Feb;117(1):121-34

IMMUNOLOGY

Specificity for tail fibers of a humoral crab factor neutralizing T2 bacteriophage. Donnelly C, et al. **Dev Comp Immunol** 1982 Winter;6(1):171-4

ISOLATION & PURIFICATION

Adsorption of coliphages T1 and T7 to clay minerals. Schiffenbauer M, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):590-6

METABOLISM

Kinetics of head-tail joining in bacteriophage T4D studied by quasi-elastic light scattering: effects of temperature, pH, and ionic strength. Aksiyote-Benbasat J, et al. **Biochemistry** 1981 Aug 18;20(17):5018-25

Mechanism of ribonucleic acid chain initiation. Molecular pulse-labeling study of ribonucleic acid syntheses on T7 deoxyribonucleic acid template. Shimamoto N, et al. **Biochemistry** 1981 Aug 4;20(16):4745-55

Thermodynamic and kinetic studies of the interaction between T5-phages and their receptor, isolated from Escherichia coli b, in the absence and presence of Triton X-100. Zarybnicky V, et al. **Biophys J** 1981 Sep; 35(3):615-36

Injection defect in alkylated and depurinated T7 bacteriophage: analysis by DNA ejection. Mamet-Bratley MD, et al. **Can J Biochem** 1982 Mar;60(3):232-42

Influence of the deletions of A2-A3 promoters or a terminator of early genes upon the rate of T7 DNA entrance into Escherichia coli cell. Zavriev SK, et al. **FEBS Lett** 1981 Aug 17;131(1):99-102

Role of lipopolysaccharide in the receptor function for bacteriophage Tulb in Escherichia coli. Yu F, et al. **J Bacteriol** 1981 Nov;148(2):712-5

Nucleic binding affinity of bacteriophage T4 gene 32 protein in the cooperative binding mode. Bobst AM, et al. **J Biol Chem** 1982 Jun 10;257(11):6184-93

Binding of Escherichia coli RNA polymerase holoenzyme to bacteriophage T7 DNA. Measurements of the rate of open complex formation at T7 promoter A. Rosenberg S, et al. **J Mol Biol** 1982 Feb 15;155(1):31-51

DNA ligase is required for encapsidation of bacteriophage T4 DNA. Zachary A, et al. **J Mol Biol** 1981 Jul 15; 149(4):641-58

Semiconservative DNA replication is initiated at a single site in recombination-deficient gene 32 mutants of bacteriophage T4. Dannenberg R, et al. **J Virol** 1981 Dec; 40(3):890-900

Polymannose O-antigens of Escherichia coli, the binding sites for the reversible adsorption of bacteriophage T5+ via the L-shaped tail fibers. Heller K, et al. **J Virol** 1982 Jan; 41(1):222-7

Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. II. Folate metabolism and polyglutamate cleavage activity of uninfected and infected Escherichia coli cells and bacteriophage. Kozloff LM, et al. **J Virol** 1981 Dec; 40(3):645-56

In vitro packaging of bacteriophage T7 DNA requires ATP. Masker WE. **J Virol** 1982 Jul;43(1):365-7

Excision repair and patch size in UV-irradiated bacteriophage T4. Yarosh DB, et al. **J Virol** 1981 Nov; 40(2):465-71

Control of promoter utilization by bacteriophage T4-induced modification of RNA polymerase alpha subunit. Goldfarb A, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4863-78

Laser crosslinking of E. coli RNA polymerase and T7 DNA. Harrison CA, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2399-414

Two alternative mechanisms for initiation of DNA replication forks in bacteriophage T4: priming by RNA polymerase and by recombination. Luder A, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1101-5

Host receptor site for the short tail fibers of bacteriophage T4D. Zorzopulos J, et al. **Virology** 1982 Jul 15;120(1):33-41

[Regulation of long tail fibril assembly and attachment in bacteriophage T4] Selivanov NA, et al. **Dokl Akad Nauk SSSR** 1981;260(5):1262-6 **(Rus)**

PHYSIOLOGY

In vitro host cell reactivation of alkylated bacteriophage T7 deoxyribonucleic acid by repair-deficient strains of Escherichia coli. Dodson LA, et al. **J Bacteriol** 1981 Sep; 147(3):720-7

Roles of cell surface components of Escherichia coli K-12 in bacteriophage T4 infection: interaction of tail core with phospholipids. Furukawa H, et al. **J Bacteriol** 1982 May; 150(2):916-24

RADIATION EFFECTS

Alterations in molecular size of messenger RNA from ultraviolet-irradiated T-4-phage. Nitta T, et al. **J Radiat Res (Tokyo)** 1981 Mar;22(1):116-24

Alteration of bacteriophage attachment capacity by near-UV irradiation. Hartman PS, et al. **J Virol** 1982 Aug; 43(2):529-32

[Reaction of thiols with primary radiation damage in bacteriophages] Korystov IuN, et al. **Radiobiologiia** 1982 Mar-Apr;22(2):171-5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Hydrodynamics, size, and shape of bacteriophage T4D tails and baseplates. Benbasat JA, et al. **Biopolymers** 1982 Apr; 21(4):797-804

Structural characteristics of the short-tail fibers of T4 bacteriophage. Zorzopulos J, et al. **J Cell Biochem** 1982; 18(3):363-75

X-ray diffraction study of tail-tubes from bacteriophage T2L. Moody MF, et al. **J Mol Biol** 1981 Aug 5; 150(2):217-44

A proposed structure of the prolate phage T4 prehead core. An electron microscopic study. Engel A, et al. **J Ultrastruct Res** 1982 Jul;80(1):12-22

Visualization of the DNA thread packing within bacteriophage T4 heads. Fujiyoshi Y, et al. **J Ultrastruct Res** 1982 May;79(2):235-40

Evidence for an internal component of the bacteriophage T4D tail core: a possible length-determining template. Duda RL, et al. **J Virol** 1982 Aug;43(2):714-20

Function of an internal bacteriophage T7 core during assembly of a T7 procapsid. Serwer P, et al. **J Virol** 1982 May;42(2):595-601

Detection and characterization of agarose-binding, capsid-like particles produced during assembly of a bacteriophage T7 procapsid. Serwer P, et al. **J Virol** 1982 May;42(2):583-94

Contraction and dissociation of the bacteriophage T4 tail sheath induced by heat and urea. Arisaka F, et al. **Prog Clin Biol Res** 1981;64:365-79

Studies of the mechanism of bacteriophage T4 DNA encapsidation. Black LW, et al. **Prog Clin Biol Res** 1981; 64:111-26

The quaternary structure of the T4 gene product 20 oligomer. Driedonks RA. **Prog Clin Biol Res** 1981;64:315-23

Studies on factors involved in in vitro packaging of phage T3 dna. Fujisawa H, et al. **Prog Clin Biol Res** 1981; 64:239-52

Composition of the T4D bacteriophage baseplate and the binding of the central tail plug. Kozloff LM. **Prog Clin Biol Res** 1981;64:327-42

Interactions between the maturation protein gp17 and the single-stranded DNA binding protein gp32 initiate DNA packaging and compete with initiation of secondary DNA replication forks in phage T4. Mosig G, et al. **Prog Clin Biol Res** 1981;64:139-50

Bacteriophage T4 head assembly. In vivo characterisation of the morphopoietic core. Traub F, et al. **Prog Clin Biol Res** 1981;64:127-37

T4 head assembly and high temperature. Wever GH, et al. **Prog Clin Biol Res** 1981;64:167-92

Polymerization of Escherichia coli bacteriophage T4D short tail fibers into filaments and filament bundles. Zorzopulos J, et al. **Prog Clin Biol Res** 1981;64:343-51

Partial denaturation mapping of phage T4 DNA at low temperature. Grossi GF, et al. **Z Naturforsch [C]** 1981 Nov-Dec;36(11-12):980-7

T RNA METHYLTRANSFERASES see **RNA, TRANSFER, METHYLTRANSFERASES**

TABES DORSALIS

COMPLICATIONS

Tabetic lightning pains: high-dosage intravenous penicillin versus carbamazepine therapy. Giménez-Roldán S, et al. **Eur Neurol** 1981;20(5):424-8

DIAGNOSIS

Rapid development of neurosyphilis in a long-standing diabetic. Gorsuch AN, et al. **Postgrad Med J** 1981 Mar; 57(665):183-4

HISTORY

Arthur Conan Doyle's thesis on tabes dorsalis. Rodin AE, et al. **JAMA** 1982 Feb 5;247(5):646-50

Doyle on tabes dorsalis [letter] Sugar O. **JAMA** 1982 May 21;247(19):2659-60

PATHOLOGY

[Case of tabes dorsalis with tabetic arthropathies] Ashmarin Iula, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):69-70 (Eng. Abstr.) **(Rus)**

[Developing symptomatology in treated tabes dorsalis] Giménez-Roldán S, et al. **Rev Clin Esp** 1982 Mar 15; 164(5):299-304 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[What is it? Tabes dorsalis] Przyborowski A, et al. **Pol Przegl Radiol** 1981 Jan-Feb;45(1):65-6 **(Pol)**

THERAPY

[Treatment of tabetic pain by neurostimulation of the posterior funiculus of the spinal cord (letter)] Laporte A, et al. **Nouv Presse Med** 1981 Sept 12;10(32):2665-6 **(Fre)**

TABLETS

Studies on direct compression of tablets. III. The effect on tablet strength of changes in particle shape and texture obtained by milling. Alderborn G, et al. **Acta Pharm Suec** 1982;19(2):147-56

Evaluation of some lubricants by the comparison of friction coefficients and tablet properties. Hölzer AW, et al. **Acta Pharm Suec** 1981;18(3):139-48

The coating of disk surfaces by tablet lubricants, determined by an intrinsic rate of dissolution method. Nicklasson M, et al. **Acta Pharm Suec** 1982;19(2):99-108

A rotating disk method to study the influence of binding agents on the dissolution rate. Nicklasson M, et al. **Acta Pharm Suec** 1982;19(2):119-26

Studies on the physical properties of tablets and tablet excipients. V. Film coating for protection of a light-sensitive tablet-formulation. Nyqvist H, et al. **Acta Pharm Suec** 1982;19(3):223-8

Studies on the physical properties of tablets and tablet excipients. III. Water sorption and its effect on hardness and disintegration. Nyqvist H, et al. **Acta Pharm Suec** 1981; 18(5):305-14

Ring shear cell measurements of granule flowability and the correlation to weight variations at tableting. Nyqvist H, et al. **Acta Pharm Suec** 1982;19(2):81-90

Studies on the physical properties of tablets and tablet excipients. IV. A program for accelerated light stability testing. Nyqvist H, et al. **Acta Pharm Suec** 1982;19(2):91-8

Stability of packaged solid dosage forms. V. Prediction of the effect of aging on the disintegration of packaged tablets influenced by moisture and heat. Nakabayashi K, et al. **Chem Pharm Bull (Tokyo)** 1981 Jul;29(7):2051-6

Effects of tableting procedures on the preferred orientation of crystalline particles. Nakagawa H. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1401-7

Multiple compression of powders in a tablet press. Armstrong NA, et al. **J Pharm Pharmacol** 1982 Jan;34(1):9-13

Gastrointestinal transit time of single-unit tablets. Bechgaard H, et al. **J Pharm Pharmacol** 1981 Dec;33(12):791-2

Ordered mixing with lubricant and glidant in tableting mixtures. Bolhuis GK, et al. **J Pharm Pharmacol** 1981 Dec; 33(12):790

The effect of compression on the capillary microstructure of tablets. Carli F, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):129-35

An alternate mechanism responsible for the bridging of intagliations on film-coated tablets. Down GR. **J Pharm Pharmacol** 1982 Apr;34(4):281-2

A comparison of the behaviour of tablet and capsule formulations in vivo. Hunter E, et al. **J Pharm Pharmacol** 1981 Sep;33(9):617-8

Effect of slugging pressure on the properties of granules and tablets prepared from potassium phenethicillin. Khan KA, et al. **J Pharm Pharmacol** 1981 Oct;33(10):627-31

Effect on particle size on the compaction mechanism and tensile strength of tablets. McKenna A, et al. **J Pharm Pharmacol** 1982 Jun;34(6):347-51

A technique for investigating changes in the surface roughness of tablets during film coating. Prater DA, et al. **J Pharm Pharmacol** 1981 Oct;33(10):666-8

The effect of plasticizer type and concentration on the incidence of bridging of intagliations on film-coated tablets. Rowe RC, et al. **J Pharm Pharmacol** 1981 Mar;33(3):174-5

The adhesion of film coatings to tablet surfaces--a problem of stress distribution. Rowe RC. **J Pharm Pharmacol** 1981 Sep;33(9):610-2

Bridging of the intagliations on film coated tablets. Rowe RC, et al. **J Pharm Pharmacol** 1982 Apr;34(4):282

The influence of initial packing on the compression of powders. Sheikh-Salem M, et al. **J Pharm Pharmacol** 1981 Aug;33(8):491-4

Theoretical considerations of the influence of polymer film coatings on the mechanical strength of tablets. Stanley P, et al. **J Pharm Pharmacol** 1981 Sep;33(9):557-60

Quantitative evaluation of pharmaceutical effervescent systems II: Stability monitoring by reactivity and porosity

measurements. Anderson NR, et al. **J Pharm Sci** 1982 Jan; 71(1):7–13

Quantitative evaluation of pharmaceutical effervescent systems I: Design of testing apparatus. Anderson NR, et al. **J Pharm Sci** 1982 Jan;71(1):3–6

Noninvasive dissolution measurement using perturbed angular correlation. Beihn RM, et al. **J Pharm Sci** 1981 Dec;70(12):1325–8

Interaction of tablet disintegrants and magnesium stearate during mixing I: Effect on tablet disintegration. Bolhuis GK, et al. **J Pharm Sci** 1981 Dec;70(12):1328–30

Compression properties of granulations made with binders containing different moisture contents. Chowhan ZT, et al. **J Pharm Sci** 1981 Oct;70(10):1134–9

Factors influencing axial and radial tensile strengths of tablets. Jarosz PJ, et al. **J Pharm Sci** 1982 Jun;71(6):607–14

Tensile strengths and hardness of tablets. Jarosz PJ, et al. **J Pharm Sci** 1982 Jun;71(6):705–7

Effect of compaction pressure and punch curvature on the indentation hardness profiles of some compressed tablets. Aulton ME. **Pharm Acta Helv** 1981;56(12):332–6

The construction and uses of facto.ial designs in the preparation of solid dosage forms. Part 3. Effect of temperature and time on the mechanical properties of sintered tablets. El-Banna HM, et al. **Pharmazie** 1981 Nov; 36(11):772–5

The construction and uses of factorial designs in the preparation of solid dosage forms. El-Banna HM, et al. **Pharmazie** 1981 Dec;36(12):819–23

Update on imprinting. Robertson WO, et al. **Vet Hum Toxicol** 1981;23(Suppl 1):30

[Equipments and aqueous coating procedures with low viscosity HPMC at laboratory scale (author's transl)] Delporte JP, et al. **J Pharm Belg** 1981 Sep–Oct; 36(5):337–47 (Eng. Abstr.) **(Fre)**

[Breakability of tablets and film-coated dragees] Spang R. **Pharm Acta Helv** 1982;57(4):99–111 (Eng. Abstr.) **(Ger)**

[Importance of tablet geometry to tablet strength] Hüttenrauch R, et al. **Pharmazie** 1981 Oct;36(10):712–3 **(Ger)**

STANDARDS

Uniformity of content requirements for tablets and capsules. Kendall CE, et al. **J Pharm Pharmacol** 1981 Apr; 33(4):197–202

[Measurement and quality control of dosage forms. XIX. Weibull's statistical distribution and its use in the study of mechanical strength of tablets] Záček H, et al. **Cesk Farm** 1981 Jun;30(5):150–5 (Eng. Abstr.) **(Cze)**

[Quality control of tablets during manufacture using atomic absorption methods] Ellmann M, et al. **Acta Pharm Hung** 1981;51(5):208–16 (Eng. Abstr.) **(Hun)**

[In vitro biopharmaceutical control of drug preparations. 2. Comparison of various extraction-testing apparatuses with coated tablets containing Aparkazin (diethazine chloride)] Keserü P, et al. **Acta Pharm Hung** 1981 Nov;51(6):264–9 (Eng. Abstr.) **(Hun)**

[Computer optimization of the dimensions of tablet cores for sugar-coated tablets] Agostini G, et al. **Boll Chim Farm** 1981 Jul;120(7):427–36 (Eng. Abstr.) **(Ita)**

TABLETS, ENTERIC-COATED

The permeability of enteric coatings and the dissolution rates of coated tablets. Porter SC, et al. **J Pharm Pharmacol** 1982 Jan;34(1):5–8

TABOO

Incest taboo in the popular literature [letter] Macklin M. **Am J Psychiatry** 1982 Jan;139(1):143

Of science and sorcery. Caplan RM. **J Iowa Med Soc** 1981 Nov;71(11):497, 500

[Disease and religious taboos—the leper in medieval to early 16th century European society] Hörger H. **Gesnerus** 1982 Jan;39(1):53–70 (Eng. Abstr.) **(Ger)**

TACHYCARDIA

Terminology of torsade de pointes [letter] Stern S, et al. **Circulation** 1981 Dec;64(6):1297

[Torsade de pointes] Härtel G. **Duodecim** 1982;98(7):520–5 **(Fin)**

CHEMICALLY INDUCED

An episode of hypotension associated with tachycardia during anesthesia which resisted vasoconstrictor treatment. Case report. Capouet V, et al. **Acta Anaesthesiol Belg** 1981; 32(3):221–6

Direct current conversion of maternal supraventricular tachycardia developed during the treatment of a pregnant heroin addict with ritodrine. Fink BJ, et al. **Acta Obstet Gynecol Scand** 1981;60(5):521–2

Electrophysiologic observations of concealed ventricular depolarizations due to amiodarone. Ezri MD, et al. **Am Heart J** 1982 Jul;104(1):169–72

Flecainide-induced QT prolongation and ventricular tachycardia. Lui HK, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):567–9

Malignant ventricular tachyarrhythmias associated with the use of encainide. Winkle RA, et al. **Am Heart J** 1981 Nov; 102(5):857–64

Q-T prolongation and polymorphous ('torsade de pointes') ventricular arrhythmias associated with organophosphorus insecticide poisoning. Ludomirsky A, et al. **Am J Cardiol** 1982 May;49(7):1654–8

Aprindine-induced polymorphous ventricular tachycardia. Scagliotti D, et al. **Am J Cardiol** 1982 Apr 1;49(5):1297–300

Adverse drug interaction involving pancuronium and aminophylline. Belani KG, et al. **Anesth Analg (Cleve)** 1982 May;61(5):473–4

Neuropathy due to monosodium glutamate intolerance. Freed DL, et al. **Ann Allergy** 1982 Feb;48(2):96–7

Atypical ventricular tachycardia (torsade de pointes) induced by amiodarone: arrhythmia previously induced by quinidine and disopyramide. Keren A, et al. **Chest** 1982 Mar;81(3):384–6

Prolongation of the Q-T interval caused by sotalol--possible association with ventricular tachyarrhythmias. Laakso M, et al. **Eur Heart J** 1981 Aug;2(4):353–8

Ventricular tachyarrhythmia: complication of atropine therapy in acute myocardial infarction. Goel VK, et al. **Indian Heart J** 1981 Nov–Dec;33(6):301–2

Substance P [letter] Bernstein JE, et al. **J Invest Dermatol** 1981 Aug;77(2):250–1

EKG of the month. Subventricular tachycardia and AV dissociation diagnosed as digitalis toxicity. Campbell WB. **J Tenn Med Assoc** 1982 Jan;75(1):51–2

Dangerous interaction between amiodarone and quinidine. Tartini R, et al. **Lancet** 1982 Jun 12;1(8285):1327–9

Desipramine cardiac toxicity. Carpenter P, et al. **Minn Med** 1982 Apr;65(4):231–4

Satalol-induced torsade de pointes. Kontopoulos A, et al. **Postgrad Med J** 1981 May;57(667):321–3

A case of prenylamine toxicity showing the torsade de pointes phenomenon in sinus rhythm? Meanock CI, et al. **Postgrad Med J** 1981 Jun;57(668):381–4

Relationship between plasma delta-9-tetrahydrocannabinol concentration and pharmacologic effects in man. Cocchetto DM, et al. **Psychopharmacology (Berlin)** 1981;75(2):158–64

A pharmacological evaluation of the potential of a bronchodilator trimetoquinol to produce tachycardia and skeletal muscle tremor. Gwee MC. **Singapore Med J** 1981 Oct;22(5):250–3

Variant ventricular tachycardia in desipramine toxicity. Lee WR, et al. **South Med J** 1981 Oct;74(10):1268–9

[Prolonged QT interval and 'torsades de pointes' after therapy with prenylamin (Segontin) (author's transl)] Burri C, et al. **Praxis** 1981 Apr 14;70(16):717–20 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Tachycardia-dependent and bradycardia-dependent intraventricular conduction defects in acute myocardial infarction: electrocardiographic, electrophysiologic, and clinical correlates. Tavazzi L, et al. **Am Heart J** 1981 Oct; 102(4):675–85

Supraventricular tachycardia with edema, ascites, and hydrops in fetal sheep. Stevens DC, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):316–22

Tachycardia-dependent left posterior hemiblock. Chimienti M, et al. **Br Heart J** 1981 Dec;46(6):687–90

Right ventricular dysplasia: a report of 24 adult cases. Marcus FI, et al. **Circulation** 1982 Feb;65(2):384–98

Transient tachycardia- and bradycardia-dependent left anterior and left posterior hemiblocks. Effects of isoproterenol. Kretz A, et al. **Int J Cardiol** 1981;1(1):49–64

Idiopathic long QT syndrome: association of ventricular tachycardia with alternating left and right bundle branch block. McVay MR, et al. **J Electrocardiol** 1982 Apr; 15(2):189–94

A case of coexisting tachycardia- and bradycardia-dependent bilateral bundle branch block. Mitamura H, et al. **J Electrocardiol** 1981;14(2):195–200

[An unusual association of supraventricular tachycardia and conduction disturbances during exercise testing (author's transl)] Heraudeau A, et al. **Ann Cardiol Angeiol (Paris)** 1982 Jan–Feb;31(1):55–8 (Eng. Abstr.) **(Fre)**

[Supraventricular tachycardia in obstructive myocardiopathy. A retrospective study of 51 cases by the Working Group on myocardiography] Bouhour JB, et al. **Arch Mal Coeur** 1981 Sep;74(9):993–1000 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

M-mode echogram in differential diagnosis of VT vs SVT with aberration [letter] Curione M, et al. **Am Heart J** 1982 Jun;103(6):1084

Ventricular tachycardia inititated by late-coupled ventricular extrasystoles: the concept of longitudinal dissociation in the microreentry pathway. Kinoshita S, et al. **Am Heart J** 1982 Jun;103(6):1090–5 (32 ref.)

Post-myocardial infarction incessant supraventricular tachycardia due to concealed accessory pathway. Prystowsky EN, et al. **Am Heart J** 1982 Mar;103(3):426–30

Sustained macroreentrant ventricular tachycardia. Welch WJ, et al. **Am Heart J** 1982 Jul;104(1):166–9

Mechanisms of regular, wide QRS tachycardia in infants and children. Benson DW Jr, et al. **Am J Cardiol** 1982 May; 49(7):1778–88

Prevalence of late potentials in patients with and without ventricular tachycardia: correlation with angiographic findings. Breithardt G, et al. **Am J Cardiol** 1982 Jun; 49(8):1932–7

Initiation of ventricular tachycardia by interpolated ventricular premature depolarizations. Friedman PL, et al. **Am J Cardiol** 1981 Nov;48(5):967–72

Role of catheter mapping in the preoperative evaluation of ventricular tachycardia. Josephson ME, et al. **Am J Cardiol** 1982 Jan;49(1):207–20

Ventricular activation during ventricular endocardial pacing. II. Role of pace-mapping to localize origin of ventricular tachycardia. Josephson ME, et al. **Am J Cardiol** 1982 Jul; 50(1):11–22

Polymorphous ventricular tachycardia associated with normal and long Q-T intervals. Soffer J, et al. **Am J Cardiol** 1982 Jun;49(8):2021–9

Surgical treatment of ventricular tachycardia guided by ventricular mapping in 23 patients without coronary artery disease. Guiraudon G, et al. **Ann Thorac Surg** 1981 Nov; 32(5):439–50

Recognition and management of supraventricular tachyarrhythmias. Tonkin A. **Aust NZ J Med** 1981 Dec; 11(6):697–705

Repetitive ventricular response. Its incidence, inducibility, reproducibility, mechanism, and significance. Gomes JA, et al. **Br Heart J** 1981 Aug;46(2):159–67

Repetitive ventricular response. Prevalence and prognostic significance. Naccarelli GV, et al. **Br Heart J** 1981 Aug; 46(2):152–8

Triple tachycardia. Brugada P, et al. **Chest** 1982 Jun; 81(6):730–2

A simple echocardiographic method to detect atrioventricular dissociation. A useful aid in the differential diagnosis of regular tachycardia with wide QRS complexes. Manyari DE, et al. **Chest** 1982 Jan;81(1):67–73

Electrocardiogram of the month: endocardial mapping of a para-Hisian PVC. Strasberg B, et al. **Chest** 1982 Feb; 81(2):239–41

Esophageal pacing: a diagnostic and therapeutic tool. Gallagher JJ, et al. **Circulation** 1982 Feb;65(2):336–41

Torsade de pointes [letter] Santinelli V, et al. **Circulation** 1982 Jul;66(1):250–1

Intracardiac extrastimulation studies: How to? Where? By whom? Surawicz B. **Circulation** 1982 Mar;65(3):428–31

Non-invasive detection of late potentials in man--a new marker for ventricular tachycardia. Breithardt G, et al. **Eur Heart J** 1981 Feb;2(1):1–11

Double ventricular response in dual AV nodal pathways mimicking supraventricular as well as ventricular tachycardia. Neuss H, et al. **Eur Heart J** 1982 Apr; 3(2):146–54

Wide QRS tachycardias. Sapru RP. **Indian Heart J Teach Ser** 1980;(7):332–42

Electrocardiogram of the month. Old concepts never die... supraventricular tachycardia. Martinez-Lopez JI. **J La State Med Soc** 1981 Aug;133(8):126–8

Another view of an old enemy: wide QRS tachycardia. Nelson WP. **Med Times** 1981 Aug;109(8):47–50

Bradycardia-tachycardia syndrome due to sinus node disease and concealed Wolff-Parkinson-White syndrome. Civera RG, et al. **PACE** 1982 Jul;5(4):517–22

Rapid AV nodal re-entrant tachycardias presenting with syncope or pre-syncope: use of electrophysiological studies to select therapy. Wiener I, et al. **PACE** 1982 Mar; 5(2):173–9

Exercise-induced ventricular tachycardia. Alpert BS, et al. **Pediatr Cardiol** 1982;2(1):51–5

'Torsade de pointes' - A unique ventricular arrhythmia report of eight cases and review of the literature. Chia BL, et al. **Singapore Med J** 1981 Aug;22(4):219–23

Recurrent ventricular tachycardia in the absence of overt heart disease: clinical characteristics and response to drug therapy. Roden DM, et al. **South Med J** 1981 Sep; 74(9):1090–4

[Recurrent ventricular tachycardia due to right ventricular dysplasia. Association with left ventricular anomalies] Halphen C, et al. **Arch Mal Coeur** 1981 Sep;74(9):1113–8 (Eng. Abstr.) **(Fre)**

[Demonstration of complex ventricular tachy-arrhythmias by long-term ECG monitoring: relationship to duration of monitoring] Andresen D, et al. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):571–4 (Eng. Abstr.) **(Ger)**

[Clinical relevance of non-invasively recorded late ventricular potentials (author's transl)] Breithardt G, et al. **Dtsch Med Wochenschr** 1982 Apr 30;107(17):643–8 (Eng. Abstr.) **(Ger)**

[Prognostic significance of complex ventricular ectopy in 24-hour ambulatory electrocardiographic monitoring (author's transl)] Spielberg C, et al. **Z Kardiol** 1982 Apr; 71(4):271–7 (Eng. Abstr.) **(Ger)**

[Ventricular tachycardia exhibiting the 'Torsade de Pointes' (editorial)] Grenadier E, et al. **Harefuah** 1981 Oct; 101(7–8):188–9 **(Heb)**

[The vectorcardiogram in prefibrillation ventricular tachycardia] Alella A, et al. **Boll Soc Ital Cardiol** 1980; 25(10):1227–30 **(Ita)**

[Recurrent ventricular tachycardias: clinical characteristics and follow-up] Capucci A, et al. **G Clin Med** 1982 Feb; 63(2):85–92 (Eng. Abstr.) **(Ita)**

[Intra-atrial conduction disorders of the Wenckebach period type in atrial tachycardias] Dąbrowski A, et al. **Kardiol Pol** 1982;25(1):9–15 (Eng. Abstr.) **(Pol)**

[Diagnostic and treatment characteristics of ectopic atrial tachycardia] Danilenko AM, et al. **Kardiologiia** 1982 Mar; 22(3):79–82 (Eng. Abstr.) **(Rus)**

[Accelerated idioventricular cardiac rhythm in children] Galstman AA, et al. **Pediatriia** 1982 Feb;(2):62 **(Rus)**

[Supraventricular tachycardia in childhood. Experience with 43 cases and review of the literature] Moreno Granado F, et al. **Rev Esp Cardiol** 1981;34(5):403–11 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

The clinical uses of calcium antagonists. Hope RR, et al. **Adv Intern Med** 1982;27:435–52 (71 ref.)

Verapamil effects on retrograde conduction in supraventricular tachycardia therapy [letter] Arsyanpur-Kashani I. **Am Heart J** 1982 Feb;103(2):306–8

Randomized double-blind placebo controlled crossover trial documenting oral lorcainide efficacy in suppression of symptomatic ventricular tachyarrhythmias. Keefe DL, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):511–8

Mechanisms of ventricular tachycardia: wide, complex ignorance. Mason JW, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1083–7

Antiarrhythmic efficacy and electrophysiologic actions of amiodarone in patients with life-threatening ventricular arrhythmias: potent suppression of spontaneously occurring tachyarrhythmias versus inconsistent abolition of induced ventricular tachycardia. Nademanee K, et al. **Am Heart J** 1982 Jun;103(6):950–9

Drug conversion of nonsustained ventricular tachycardia to sustained ventricular tachycardia during serial electrophysiologic studies: identification of drugs that exacerbate tachycardia and potential mechanisms. Rinkenberger RL, et al. **Am Heart J** 1982 Feb; 103(2):177–84

Prediction of response to class I antiarrhythmic drugs during electrophysiologic study of ventricular tachycardia. Swiryn S, et al. **Am Heart J** 1982 Jul;104(1):43–50

Method for evaluating the effects of antiarrhythmic drugs on ventricular tachycardias with different electrophysiologic characteristics and different mechanisms in the infarcted canine heart. Davis J, et al. **Am J Cardiol** 1982 Apr 1;49(5):1176–84

Electrophysiologic effects of diltiazem hydrochloride on supraventricular tachycardia. Rozanski JJ, et al. **Am J Cardiol** 1982 Feb 18;49(3):621–8

Safety and efficacy of short- and long-term verapamil therapy in children with tachycardia. Sapire DW, et al. **Am J Cardiol** 1981 Dec;48(6):1091–7

Modification of left ventricular response to pacing tachycardia in nifedipine in patients with coronary artery disease. Lorell BH, et al. **Am J Med** 1981 Oct;71(4):667–75

Intravenous antiarrhythmic drugs: newer aspects of therapy. Abbott JA. **Angiology** 1982 Apr;33(4):251–8 (27 ref.)

Digoxin, propranolol, and atrioventricular reentrant tachycardia in the Wolff–Parkinson–White syndrome. Hung JS, et al. **Ann Intern Med** 1982 Aug;97(2):175–82

Response of recurrent sustained ventricular tachycardia to verapamil. Belhassen B, et al. **Br Heart J** 1981 Dec; 46(6):679–82

Effects of lignocaine on bidirectional tachycardia and on digitalis-induced atrial tachycardia with block. Castellanos A, et al. **Br Heart J** 1982 Jul;48(1):27–32

Mexiletine for ventricular arrhythmia after repair of tetralogy of Fallot [letter] Malcolm I, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1314–5

Treatment of the bradycardia-tachycardia syndrome with low doses of amiodarone. Riccioni N, et al. **Cardiology** 1981;68(2):118–23

Verapamil for treatment of supraventricular tachyarrhythmias. Waxman HL. **Chest** 1982 Mar; 81(3):267–8

Effects of oral disopyramide phosphate on induction and sustenance of atrioventricular reentrant tachycardia incorporating retrograde accessory pathway conduction. Kou HC, et al. **Circulation** 1982 Aug;66(2):454–62

Pharmacokinetic significance of serum reverse T3 levels during amiodarone treatment: a potential method for monitoring chronic drug therapy. Nademanee K, et al. **Circulation** 1982 Jul;66(1):202–11

Procainamide and retrograde atrioventricular nodal conduction in man. Shenasa M, et al. **Circulation** 1982 Feb; 65(2):355–62

Serial electrophysiological testing of antiarrhythmic drug efficacy in patients with recurrent ventricular tachycardia. Breithardt G, et al. **Eur Heart J** 1980 Feb;1(1):11–24

The effect of alinidine (St 567) on emotionally induced tachycardia in man. Auböck J, et al. **Eur J Clin Pharmacol** 1982;21(6):467–71

Verapamil responsive reentrant ventricular tachycardia: a case report with electrophysiological investigation. Hasin Y, et al. **Isr J Med Sci** 1982 Apr;18(4):499–502

Comparison of the antiarrhythmic efficacy of disopyramide and mexiletine against stimulus-induced ventricular tachycardia. Breithardt G, et al. **J Cardiovasc Pharmacol** 1981 Sep–Oct;3(5):1026–37

Comparative trial of mexiletine and lignocaine in the treatment of early ventricular tachyarrhythmias after acute myocardial infarction. Horowitz JD, et al. **J Cardiovasc Pharmacol** 1981 May–Jun;3(3):409–19

The electropharmacology of acute drug testing using pacemakers. Engel TR. **PACE** 1982 Jul;5(4):577–86 (71 ref.)

Procainamide in the induction and perpetuation of ventricular tachycardia in man. Kang PS, et al. **PACE** 1982 May; 5(3):311–22

[Alleviation of cardiac arrhythmia with propanidine (letter)] Delacour JL, et al. **Anesth Analg (Paris)** 1982;38(11–12):747 **(Fre)**

[Reproducibility of ventricular arrhythmias induced before and after drug therapy. Predictive value of their anti-arrhythmic effect] Frank R, et al. **Arch Mal Coeur** 1981 Dec;74 Spec No:79–86 (Eng. Abstr.) **(Fre)**

[Therapy of ventricular tachyarrhythmias refractory to lidocaine with propafenone (author's transl)] Laimer H, et al. **Acta Med Austriaca** 1981;8(5):140–4 (Eng. Abstr.) **(Ger)**

[Drug therapy of frequent tachycardias] Heinecker R. **Med Welt** 1982 Jan 8;33(1):58–68 **(Ger)**

[A new anti-arrhythmia agent (AQ–A 39) for the treatment of sinus tachycardia] Bender F, et al. **MMW** 1982 Apr 16;124(15):387–8 **(Ger)**

[Electrophysiological effects of flecainide on stimulus-inducible ventricular tachycardia] Breithardt G, et al. **Z Kardiol** 1982 Apr;71(4):278–83 (Eng. Abstr.) **(Ger)**

[Emergency in general medicine (12). Arrhythmias, part I: Tachycardia] Hüdepohl M. **ZFA (Stuttgart)** 1982 Feb 28; 58(6):349–50 **(Ger)**

[Cordichin in the treatment of ventricular extrasystole and tachycardial rhythm disorders] Jancke T. **ZFA (Stuttgart)** 1982 Mar 20;58(8):488–92 **(Ger)**

[Long-term drug therapy of reciprocating supraventricular tachycardia: re-examination of a selected series of cases, using computerized programs] Inama G, et al. **Boll Soc Ital Cardiol** 1980;25(10):1153–66 (26 ref.) **(Ita)**

[Long-term use of amiodarone in the treatment of ventricular pre-excitation with tachyarrhythmia attacks] Negro R, et al. **Clin Ter** 1981 May 15;97(3):291–7 **(Ita)**

[The phenomenon of accelerated A–V conduction. Electrophysiological study with a 'selective' calcium antagonist (Verapamil)] Disertori M, et al. **G Ital Cardiol** 1981;11(4):447–57 (Eng. Abstr.) **(Ita)**

[Pharmacological therapy and prevention of recurrent ventricular tachycardia] Vajola SF, et al. **G Ital Cardiol** 1982;11(11):1743–9 (Eng. Abstr.) **(Ita)**

[Possible use of diphenylhydantoin in the treatment of ventricular tachycardia with torsade de pointe] Puccinelli G, et al. **Minerva Cardioangiol** 1981 Jul–Aug; 29(7–8):423–30 (Eng. Abstr.) **(Ita)**

[Treatment of supraventricular tachycardia] Peters RW. **Recenti Prog Med** 1981 Jul;71(1):48–68 (Eng. Abstr.) **(Ita)**

[Verapamil treatment in supraventricular tachyarrhythmias appearing after acute myocardial infarct] Iliescu M, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):365–8 (Eng. Abstr.) **(Rum)**

[Longterm effects of amiodarone in supraventricular tachyarrhythmias (author's transl)] Chadid P, et al. **Rev Med Chil** 1981 Apr;109(4):318–23 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Two-dimensional echocardiographic detection of arrhythmogenic right ventricular dysplasia. Baran A, et al. **Am Heart J** 1982 Jun;103(6):1066–7

Arrhythmogenic right ventricular dysplasia: a cause of ventricular tachycardia in children with apparently normal hearts. Dungan WT, et al. **Am Heart J** 1981 Oct; 102(4):745–50

Mechanisms of ventricular tachycardia: wide, complex ignorance. Mason JW, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1083–7

Exercise provocable right ventricular outflow tract tachycardia. Palileo EV, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):185–93

Prevalence, characteristics and significance of ventricular tachycardia (three or more complexes) detected with ambulatory electrocardiographic recording in the late hospital phase of acute myocardial infarction. Bigger JT Jr, et al. **Am J Cardiol** 1981 Nov;48(5):815–23

Patterns of interectopic activation recorded during pleomorphic ventricular tachycardia after myocardial infarction in the dog. Kabell G, et al. **Am J Cardiol** 1982 Jan;49(1):56–62

Role of electrophysiologic testing in managing patients who have ventricular tachycardia unrelated to coronary artery disease. Naccarelli GV, et al. **Am J Cardiol** 1982 Jul; 50(1):165–71

The electrophysiologic basis and management of symptomatic recurrent tachycardia in patients with Ebstein's anomaly of the tricuspid valve. Smith WM, et al. **Am J Cardiol** 1982 Apr 1;49(5):1223–34

Beta-receptor blockade and tracheal intubation. Farnon D, et al. **Anaesthesia** 1981 Aug;36(8):803–5

Further electrophysiologic and anatomic correlates in a canine model of chronic myocardial infarction susceptible to the initiation of sustained ventricular tachyarrhythmias. Michelson EL, et al. **Anat Rec** 1981 Sep;201(1):55–65

Pericardial effusion and severe tachycardia. Moon GJ. **Anesth Analg (Cleve)** 1982 Apr;61(4):384–6

Supraventricular tachyarrhythmia in association with the Chinese restaurant syndrome [letter] Goldberg LH. **Ann Emerg Med** 1982 Jun;11(6):333

Post-acceleration chaotic atrial rhythm. Whinnery JE **Aviat Space Environ Med** 1982 Apr;53(4):390–2

Recurrent ventricular tachycardia associated with gangrene. Forster RM, et al. **Can Anaesth Soc J** 1982 Jan;29(1):68–70

Clinical significance and characteristics of exercise-induced ventricular tachycardia. Codini MA, et al. **Cathet Cardiovasc Diagn** 1981;7(3):227–34

Hypomagnesemia and ventricular tachycardia: a complication of ulcerative colitis and parenteral hyperalimentation in a nondigitalized noncardiac patient. Levine SR, et al. **Chest** 1982 Feb;81(2):244–7

Etiology, warning signs and therapy of torsade de pointes. A study of 10 patients. Keren A, et al. **Circulation** 1981 Dec;64(6):1167–74

Peritoneovenous shunt-induced ventricular tachycardia. Pozen RG, et al. **Crit Care Med** 1982 Jan;10(1):65–6

ECG casebook: irregular tachycardia after cardiac surgery. Hancock EW. **Hosp Pract** 1982 Jul;17(7):53–4

Heart rate on distending superior vena caval–right atrial junction. Agarwal JL, et al. **Indian Heart J** 1981 May–Jun; 33(3):95–9

Pacemaker-induced ventricular tachycardia in patients with acute inferior myocardial infarction. Cueni TA, et al. **Int J Cardiol** 1981;1(1):93–7

Pacemaker induced ventricular tachycardia [letter] Furman S. **Int J Cardiol** 1982;1(3–4):333–4

Sexual intercourse and angina pectoris. Jackson G. **Int Rehabil Med** 1981;3(1):35–7

EKG of the month: torsades de pointes. Campbell WB. **J Tenn Med Assoc** 1981 Mar;74(3):195–6

Nonparoxysmal AV junctional tachycardia with 2/1 exit block during atrial fibrillation in the absence of digitalis toxicity. The effect of exercise. Luca C. **Med Interne** 1981 Jul–Sep;19(3):247–9

Torsade de pointes caused by disopyramide and hypokalemia. Schweitzer P, et al. **Mt Sinai J Med (NY)** 1982 Mar–Apr; 49(2):110–4

Tachycardias related to atrial synchronous ventricular pacing. Bathen J, et al. **PACE** 1982 Jul;5(4):471–5

Pacemaker related tachycardias. Den Dulk K, et al. **PACE** 1982 Jul;5(4):476–85

Recurrent ventricular tachycardia induced by an atrial synchronous ventricular-inhibited pacemaker. Freedman RA, et al. **PACE** 1982 Jul;5(4):490–4

Endless loop tachycardia in an AV universal [DDD] pacemaker. Furman S, et al. **PACE** 1982 Jul;5(4):486–9

Induction of ventricular tachycardia by pacemaker programming. Scheibelhofer W, et al. **PACE** 1982 Jul; 5(4):587–92

Pacer-induced tachycardia associated with an atrial synchronous ventricular inhibited (ASVIP) pulse generator. Tolentino AO, et al. **PACE** 1982 Mar;5(2):251–9

Asynchronous ventricular pacing: a rare cause of ventricular tachycardia. Tommaso C, et al. **PACE** 1982 Jul;5(4):561–3

Episodic anxiety and cardiac arrhythmias. Brown HN, et al. **Psychosomatics** 1981 Oct;22(10):907–15

[Junctional tachycardia precipitated by atrial premature beat with concealed conduction (author's transl)] Fu XX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):317 **(Chi)**

[Bidirectional ventricular tachycardia (arguments in favor of reentry)] Aliot E, et al. **Arch Mal Coeur** 1982 May; 75(5):513–9 (Eng. Abstr.) **(Fre)**

[Arrhythmogenic right ventricular dysplasia and Uhl's disease] Fontaine G, et al. **Arch Mal Coeur** 1982 Apr; 75(4):361–71 (Eng. Abstr.) **(Fre)**

[Malignant ventricular tachyarrythmia due to atrial fibrillation in the Wolff–Parkinson–White syndrome. Section of the Kent bundle apropos of 2 cases] Garabedian V, et al. **Arch Mal Coeur** 1981 Jul;74(7):829–36 (Eng. Abstr.) **(Fre)**

[Postprandial bidirectional tachycardia] Lévy S, et al. **Arch Mal Coeur** 1982 Apr;75(4):389–94 (Eng. Abstr.) **(Fre)**

[Hypertensive and tachycardial circulatory reactions during neuroleptanalgesia--a specific side effect of the method?] Kettler D. **Anaesthesist** 1982 Feb;31(2):49–50 **(Ger)**

[Pathogenetic mechanism of permanent reciprocating supraventricular tachycardias] Chimienti M, et al. **Boll Soc Ital Cardiol** 1980;25(11):1261–4 **(Ita)**

[Dual intranodal conduction pathway] Denes P. **Bol Asoc Med PR** 1981 Dec;73(12):596–601 **(Spa)**

METABOLISM

3H-digoxin distribution in the nervous system in ventricular tachycardia. Frazer G, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1296–305

MORTALITY

Long-term survival of patients with malignant ventricular arrhythmia treated with antiarrhythmic drugs. Graboys TB, et al. **Am J Cardiol** 1982 Sep;50(3):437–43

[Prognostic significance of tachycardial ventricular rhythm disorders] Beck OA. **Med Klin [Prax]** 1982 Mar 12; 77(6):14–9 **(Ger)**

PHYSIOPATHOLOGY

Clinical confirmation of ECG criteria for left atrial rhythm. Beder SD, et al. **Am Heart J** 1982 May;103(5):848–52

Criteria of torsades de pointes [letter] Belhassen B, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1081–2

Prolonged and decremental antegrade conduction properties

in right anterior accessory connections: Wide QRS antidromic tachycardia of left bundle branch block pattern without Wolff-Parkinson-White configuration in sinus rhythm. Gillette PC, et al. **Am Heart J** 1982 Jan; 103(1):66-74

QTc interval in torsades de pointes [letter] Motro M, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1080-1

Electrophysiologic study demonstrating triple antegrade AV nodal pathways in patients with spontaneous and/or induced supraventricular tachycardia. Swiryn S, et al. **Am Heart J** 1982 Feb;103(2):168-76

A model of chronic ischemic arrhythmias: the relation between electrically inducible ventricular tachycardia, ventricular fibrillation threshold and myocardial infarct size. Gang ES, et al. **Am J Cardiol** 1982 Sep;50(3):469-77

One to one atrioventricular conduction during atrial pacing at rates of 300/minute in absence of Wolff-Parkinson-White Syndrome. Moleiro F, et al. **Am J Cardiol** 1981 Oct;48(4):789-96 (44 ref.)

Role of early cycle ventricular extrasystoles in initiation of ventricular tachycardia and fibrillation: evaluation of the R on T phenomenon during acute ischemia in a canine model. Naito M, et al. **Am J Cardiol** 1982 Feb 1; 49(2):317-22

Quintuple pathways participating in three distinct types of atrioventricular reciprocating tachycardia in a patient with Wolff-Parkinson-White syndrome. Portillo B, et al. **Am J Cardiol** 1982 Aug;50(2):347-52

Clinical and electrophysiologic findings in patients with repetitive monomorphic ventricular tachycardia and otherwise normal electrocardiogram. Rahilly GT, et al. **Am J Cardiol** 1982 Sep;50(3):459-68

Electrophysiologic mapping to determine the mechanism of experimental ventricular tachycardia initiated by premature impulses. Experimental approach and initial results demonstrating reentrant excitation. Wit AL, et al. **Am J Cardiol** 1982 Jan;49(1):166-85

Postural tachycardia syndrome. Reversal of sympathetic hyperresponsiveness and clinical improvement during sodium loading. Rosen SG, et al. **Am J Med** 1982 May; 72(5):847-50

Canine models for ventricular tachyarrhythmia. Michelson EL. **Ann Intern Med** 1981 Nov;95(5):648-9

'Torsade de pointes' tachycardia. Re-entry or focal activity? D'Alnoncourt CN, et al. **Br Heart J** 1982 Sep;48(3):213-6

Incessant junctional reciprocating tachycardia caused by dual atrioventricular nodal pathways and atrio-nodal bypass tract. Santarelli P, et al. **Br Heart J** 1982 Jun;47(6):613-8

Reciprocating tachycardia with only odd-numbered beats in the Wolff-Parkinson-White syndrome. Schamroth JM, et al. **Chest** 1981 Nov;80(5):643-6

Acceleration of ventricular tachycardia induced by a chest thump. Sclarovsky S, et al. **Chest** 1981 Nov;80(5):596-9

Atrioventricular nodal dysfunction in patients with atrial septal defect. Abnormalities of conduction and reciprocal rhythms. Sobrino JA, et al. **Chest** 1982 Apr;81(4):477-82

Changes in ventriculoatrial intervals with bundle branch block aberration during reciprocating tachycardia in patients with accessory atrioventricular pathways. Kerr CR, et al. **Circulation** 1982 Jul;66(1):196-201

His-ventricular dissociation in a patient with reciprocating tachycardia and a nodoventricular bypass tract. Morady F, et al. **Circulation** 1981 Oct;64(4):839-44

Cycle length alternation in circus movement tachycardia using an atrioventricular accessory pathway. A study of the role of the atrioventricular node using a computer model of tachycardia. Ross DL, et al. **Circulation** 1982 May;65(5):862-8

Determinants of ventricular tachycardia in patients with ventricular aneurysms: results of intraoperative epicardial and endocardial mapping. Wiener I, et al. **Circulation** 1982 May;65(5):856-61

Atrioventricular nodal tachycardia with and without discontinuous anterograde and retrograde atrioventricular nodal conduction curves: a reappraisal of the dual pathway concept. Brugada P, et al. **Eur Heart J** 1980 Dec; 1(6):399-407

Retrograde P wave polarity in reciprocating tachycardia utilizing lateral bypass tracts. Garcia Civera R, et al. **Eur Heart J** 1980 Apr;1(2):137-45

Alternating Wenckebach phenomenon in the His-Purkinje system: a case report. Leclercq JF, et al. **Eur Heart J** 1980 Aug;1(4):293-8

Ventriculo-atrial conduction over accessory pathways exhibiting decremental properties. Ward DE, et al. **Eur Heart J** 1982 Jun;3(3):267-75

Torsades de pointes: occurrence in myocardial ischaemia as a separate entity. Multiform ventricular tachycardia or not? Zilcher H, et al. **Eur Heart J** 1980 Feb;1(1):63-71

Reentrant tachycardias. Pahlajani DB. **Indian Heart J Teach Ser** 1980;(7):325-31

Increased normoxic-to-ischemic tissue borderzone as the cause for reentrant ventricular tachyarrhythmias. Wetstein L, et al. **J Surg Res** 1982 May;32(5):526-34

Encircling endocardial ventriculotomy for refractory ischemic ventricular tachycardia. I. Electrophysiological effects. Ungerleider RM, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):840-9

'Entrainment' phenomenon during reciprocating tachycardia in the Wolff-Parkinson-White syndrome. Inoue H, et al. **Jpn Heart J** 1982 Jan;23(1):129-35

Significance of the automaticity recovery phase following tachycardic overdrive. Otsuka K, et al. **Jpn Heart J** 1982 Mar;23(2):161-8

Observations on mechanisms of circus movement tachycardia in the Wolff-Parkinson-White syndrome. Role of different tachycardia circuits and sites of block in maintenance of tachycardia. Brugada P, et al. **PACE** 1981 Sep;4(5):507-16

Ventricular tachycardia with concealed retrograde conduction to two atrio-ventricular nodal pathways. Brugada P, et al. **PACE** 1982 May;5(3):431-3

Multifocal or chaotic atrial rhythm: report of nine infants, delineation of clinical course and management, and review of the literature. Liberthson RR, et al. **Pediatr Cardiol** 1982; 2(3):179-84

Observations with endocardial electrography on ventricular tachycardia by intracoronary saline in dogs. Abe S. **Tohoku J Exp Med** 1982 Mar;136(3):323-35

[Tachycardia accompanying W-P-W pre-excitation syndrome (author's transl)] Jin L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):117-21 **(Chi)**

[Torsade de pointes: a unique type of ventricular tachycardia (author's transl)] Lin FC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):465-71 (Eng. Abstr.) **(Chi)**

[Analysis of complete atrioventricular block with accelerated rhythm in acute myocardial infarction from the viewpoint of the trifascicular theory] Stejfa M, et al. **Vnitr Lek** 1981 Nov;27(11):1114-25 (Eng. Abstr.) **(Cze)**

[Ventricular tachycardia. Study methods and status of current knowledge] Fillette F, et al. **Arch Mal Coeur** 1982 Apr;75(4):501-5 (52 ref.) **(Fre)**

[Nodoventricular Mahaim fibres. 2 cases confirmed by electrophysiological study] Montely JM, et al. **Arch Mal Coeur** 1982 Jul;75(7):801-9 (Eng. Abstr.) **(Fre)**

[Tachycardial ventricular rhythm disorders] Beck OA. **Med Klin [Prax]** 1982 Mar 12;77(6):20-31 (19 ref.) **(Ger)**

[Alternating Wenckebach period] Szabó Z, et al. **Orv Hetil** 1982 Jan 17;123(3):163-5 **(Hun)**

[Case of bidirectional tachycardia during an attack of atrial tachycardia] Lukasik S, et al. **Kardiol Pol** 1982;25(2):139-46 (Eng. Abstr.) **(Pol)**

[Rare variants of isolated atrial tachycardia] Amboian AS. **Kardiologiia** 1982 Apr;22(4):117-8 **(Rus)**

[Persistent auricular tachycardia. Clinical, electrophysiological and pharmacological characteristics] Mendoza I, et al. **Bol Asoc Med PR** 1981 Dec;73(12):586-90 **(Spa)**

[Ectopic auricular tachycardia with anomalous response in nodal conduction. Electrophysiologic studies] Sobrino JA, et al. **Rev Esp Cardiol** 1981;34(4):265-70 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Management of recurrent sustained ventricular tachycardia complicating chronic ischemic heart disease [editorial] Strasberg B, et al. **Chest** 1981 Oct;80(4):390-1

Verapamil to inhibit the cardiovascular side effects of ritodrine. Rodriguez-Escudero FJ, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):333-6

[Preventive treatment of refractory tachycardia (author's transl)] Frank R, et al. **Ann Cardiol Angeiol (Paris)** 1981 Dec;30(7):507-15 (Eng. Abstr.) **(Fre)**

[Preventive treatments of tachycardias in Wolff-Parkinson-White syndrome] Frank R, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1325-9 (Eng. Abstr.) **(Fre)**

[The heart rate decreasing activity of the beta-blocker propranolol in various types of tachycardia in conscious dogs (author's transl)] Lehmann HD. **DTW** 1981 Jun 5; 88(6):239-41 (Eng. Abstr.) **(Ger)**

SURGERY

Successful surgical treatment of atrial, junctional, and ventricular tachycardia unassociated with accessory connections in infants and children. Gillett PC, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):984-91

Long-term results of endocardial resection for sustained ventricular tachycardia in coronary disease patients. Josephson ME, et al. **Am Heart J** 1982 Jul;104(1):51-7

Aneurysmectomy and endocardial resection for ventricular tachycardia: favorable hemodynamic and antiarrhythmic results in patients with global left ventricular dysfunction. Martin JL, et al. **Am Heart J** 1982 Jun;103(6):960-5

Rationale for a direct surgical approach to control ventricular arrhythmias: relation of specific intraoperative techniques to mechanism and location of arrhythmic circuit. Boineau JP, et al. **Am J Cardiol** 1982 Feb 1;49(2):381-96 (111 ref.)

Surgical management of ventricular tachycardia unrelated to myocardial ischemia or infarction. Fontaine G, et al. **Am J Cardiol** 1982 Feb 1;49(2):397-410 (45 ref.)

Relative efficacy of blind left ventricular aneurysm resection for the treatment of recurrent ventricular tachycardia. Mason JW, et al. **Am J Cardiol** 1982 Jan;49(1):241-8

Seminar on surgical therapy for ventricular arrhythmias--part I. Introduction and perspective. Waldo AL. **Am J Cardiol** 1982 Jan;49(1):163-5

Surgery for recurrent sustained ventricular tachycardia associated with coronary artery disease: the role of subendocardial resection. Josephson ME, et al. **Ann NY Acad Sci** 1982;382:381-95

Surgical treatment of ventricular tachycardia guided by ventricular mapping in 23 patients without coronary artery disease. Guiraudon G, et al. **Ann Thorac Surg** 1981 Nov; 32(5):439-50

Surgical division of right and left free wall accessory atrioventricular electrical connections in a child with incessant supraventricular tachycardia. Richards D, et al. **Aust NZ J Med** 1982 Feb;12(1):52-5

Surgery for ventricular tachycardia: efficacy of left ventricular aneurysm resection compared with operation guided by electrical activation mapping. Mason JW, et al. **Circulation** 1982 Jun;65(6):1148-55

Anatomic effects of cryoablation of the atrioventricular conduction system. Ohkawa S, et al. **Circulation** 1982 Jun; 65(6):1155-62

Encircling endocardial ventriculotomy for refractory ischemic ventricular tachycardia. IV. Clinical indication, surgical technique, mechanism of action, and results. Cox JL, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):865-72

Encircling endocardial ventriculotomy for refractory ischemic ventricular tachycardia. II. Effects on regional myocardial blood flow. Ungerleider RM, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):850-6

Encircling endocardial ventriculotomy for refractory ischemic ventricular tachycardia. III. Effects on regional left ventricular function. Ungerleider RM, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):857-64

Endomyocardial resection for recurrent ventricular tachycardia. Report of a case. Furuse A, et al. **Jpn Heart J** 1982 Mar;23(2):245-51

Accelerated junctional tachycardia at a rate of 190 beats/minute following cryosurgery and aneurysmectomy for ventricular tachycardia: a case report. Kerr CR, et al. **PACE** 1982 May;5(3):442-54

[When is surgery of ventricular tachycardia indicated? (editorial)] Fontaine G, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3539-40 **(Fre)**

[Indication for surgery of tachycardic arrhythmias] Seipel L. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):563-4 **(Ger)**

[Surgical possibilities in the therapy of tachycardiac arrhythmias (surgical methods, risks and results)] Bircks W, et al. **Verh Dtsch Ges Herz Kreislaufforsch** 1981;47:80-6 (Eng. Abstr.) **(Ger)**

[Electrophysiological studies in the surgical treatment of ventricular tachyarrhythmias] Belhassen B, et al. **Harefuah** 1981 Dec 15;101(12):337-41 (Eng. Abstr.) **(Heb)**

[An experimental study of cryosurgical treatment for ventricular tachycardia (author's transl)] Kobayashi H. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug;29(8):1334-44 (Eng. Abstr.) **(Jpn)**

[Electircal isolation of the left atrium as a model of surgical treatment of various disorders of heart rhythm] Bokeriia LA, et al. **Grudn Khir** 1981;(6):28-33 **(Rus)**

[Surgical treatment of 24 patients with Wolff-Parkinson-White syndrome and tachycardia: topographic diagnosis of Kent bundles and evaluation of results] Márquez-Montes J, et al. **Rev Esp Cardiol** 1981; 34(4):271-81 (Eng. Abstr.) **(Spa)**

THERAPY

The sparkling joules of internal cardiac stimulation: cardioversion, defibrillation, and ablation. Fisher JD, et al. **Am Heart J** 1982 Jul;104(1):177-81 (16 ref.)

Successful conversion of out-of-hospital life-threatening arrhythmias with the implanted automatic defibrillator. Mirowski M, et al. **Am Heart J** 1982 Jan;103(1):147-8

Clinical transvenous cardioversion of recurrent life-threatening ventricular tachyarrhythmias: low energy synchronized cardioversion of ventricular tachycardia and termination of ventricular fibrillation in patients using a catheter electrode. Zipes DP, et al. **Am Heart J** 1982 May; 103(5):789-94

Additional observations on transvenous cardioversion of recurrent ventricular tachycardia. Zipes DP, et al. **Am Heart J** 1982 Jul;104(1):163-4

Role of implantable pacemakers in control of recurrent ventricular tachycardia. Fisher JD, et al. **Am J Cardiol** 1982 Jan;49(1):194-206

Long-term endocardial atrial pacing in children with postoperative bradycardia-tachycardia syndrome and limited ventricular access. McGoon MD, et al. **Am J Cardiol** 1982 May;49(7):1750-7

Implantable automatic scanning pacemaker for termination of supraventricular tachycardia. Spurrell RA, et al. **Am J Cardiol** 1982 Mar;49(4):753-60

Medical treatment of ventricular tachycardia: considerations in the selection of patients for surgical treatment. Wellens HJ, et al. **Am J Cardiol** 1982 Jan;49(1):186-93

Advances in the treatment of life-threatening ventricular rhythm disturbances. Ruffy R, et al. **Arch Intern Med** 1982 Sep;142(9):1697-1701

Ventricular tachycardia 'pleomorphism' induced by chest thump. Sclarovsky S, et al. **Chest** 1982 Jan;81(1):97-8

Low-energy synchronous cardioversion of ventricular tachycardia using a catheter electrode in a canine model of subacute myocardial infarction. Jackman WM, et al. **Circulation** 1982 Jul;66(1):187-95

Valsalva termination of ventricular tachycardia [letter] Lee YC, et al. **Circulation** 1982 Jun;65(6):1287-8

Termination of ventricular tachycardia with ventricular

stimulation: salutary effect of increased current strength. Waxman HL, et al. **Circulation** 1982 Apr;65(4):800–4

A new self-anchoring endocardial electrode. Robicsek F, et al. **Coll Works Cardiopulm Dis** 1982 May;23:77–82

Use of a multi-programmable pacemaker in the dual demand mode: influence of pacing rate on termination of tachycardias. Sowton E, et al. **Eur Heart J** 1980 Jun; 1(3):165–70

Brady tachy arrhythmias in Wolff Parkinson White syndrome treated with permanent transvenous pacing and amiodrone hydrochloride. Talwar KK, et al. **Indian Heart J** 1981 Mar–Apr;33(2):52–5

Patient activated asynchronous ventricular pacing at normal rates for termination of ventricular tachycardia. Engler R, et al. **J Electrocardiol** 1981 Oct;14(4):409–12

Ventricular pacing in atypical ventricular tachycardia. Keren A, et al. **J Electrocardiol** 1981;14(2):201–5

A patient-activated radio frequency pacemaker system: therapy for recurrent ventricular tachycardia. Dunnigan A, et al. **J Pediatr** 1982 Sep;101(3):403–6

Management of ventricular tachyarrhythmias. Part I. Akhtar M. **JAMA** 1982 Feb 5;247(5):671–4

Management of ventricular tachyarrhythmias. Part II. Akhtar M. **JAMA** 1982 Feb 26;247(8):1178–81

Clinical conferences at The Johns Hopkins Hospital: ventricular tachycardia and the internal defibrillator. Reid PR, et al. **Johns Hopkins Med J** 1982 Jul;151(1):24–9

Catheter technique for closed-chest ablation of the atrioventricular conduction system. Gallagher JJ, et al. **N Engl J Med** 1982 Jan 28;306(4):194–200

A tactic of last resort [editorial] Surawicz B. **N Engl J Med** 1982 Jan 28;306(4):234–6

Clinical utility of implantable multiprogrammable automatic antitachycardia pulse generator as an external device. Barold SS, et al. **PACE** 1981 Sep;4(5):571–4

Termination of ventricular tachycardia by programmed extrastimuli from an externally-activated permanent pacemaker. Greene HL, et al. **PACE** 1982 May;5(3):434–9

The treatment of ventricular tachycardia using an automatic tachycardia terminating pacemaker. Griffin JC, et al. **PACE** 1981 Sep;4(5):582–8

Therapeutic pacing in tachyarrhythmias by implanted pacemakers. Lüderitz B, et al. **PACE** 1982 May;5(3):366–71

Clinical evaluation of an adaptive tachycardia intervention pacemaker with automatic cycle length adjustment. Nathan A, et al. **PACE** 1982 Mar;5(2):201–7

External electrical stimulation in the management of acute tachyarrhythmias. Wirtzfeld A, et al. **PACE** 1981 Nov; 4(6):679–91

[Conversion of tachyarrhythmias by rapid cardiac pacing (author's transl)] Wang FZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):112–6 (Eng. Abstr.) **(Chi)**

[Temporary and permanent antitachycardial stimulation] Lüderitz B. **Verh Dtsch Ges Herz Kreislaufforsch** 1981; 47:111–32 **(Ger)**

[The transesophageal approach to the heart in electrotherapy of tachycardia. II. Transesophageal cardioversion by means of direct current shock] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Dec 15;36(24):951–7 (Eng. Abstr.) **(Ger)**

[The transesophageal approach to the heart in electrotherapy of trachycardiac arrhythmias. I. Transesophageal electrostimulation procedure] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):903–8 (Eng. Abstr.) **(Ger)**

[Multiprogrammable pacemaker. Current status and future prospects] Antonioli GE, et al. **G Ital Cardiol** 1981; 11(12):2155–66 **(Ita)**

[Long-term electrical stimulation of tachycardias: control by ambulatory electrocardiographic monitoring (author's transl)] Critelli G, et al. **G Ital Cardiol** 1981;11(10):1433–40 (Eng. Abstr.) **(Ita)**

[Use of implantable pacemakers in patients with tachyarrhythmias] Castellanos A, et al. **Bol Asoc Med PR** 1981 Dec;73(12):633–43 **(Spa)**

VETERINARY

[Inhibition of isoprenaline-induced tachycardia in calves with the beta-receptor blockader carazolol] Gränzer W, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 1;95(3):47–9 **(Ger)**

TACHYCARDIA, PAROXYSMAL

BLOOD

[Relationship between arrhythmia and blood serum free fatty acid level in children with pneumonia] Urban M. **Pediatr Pol** 1981 Oct;56(10):1175–82 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Atrioventricular dissociation during paroxysmal junctional tachycardia. Ko PT, et al. **PACE** 1981 Nov;4(6):670–8

['Slowing' right bundle-branch block in reciprocating tachycardia from a latent right lateral Kent bundle] Cassagneau B, et al. **Arch Mal Coeur** 1981 Nov; 74(11):1283–90 (Eng. Abstr.) **(Fre)**

[Decreased right branch block. Observations of 68 junctional paroxysmal tachycardias with normal intercritical ECG] Perrot B, et al. **Cardiology** 1981;68 Suppl 1:101–8 **(Fre)**

[Paroxysmal supraventricular tachycardia – an equivalent to migraine?] Bjellerup M, et al. **Lakartidningen** 1981 Nov 4;78(45):4050 **(Swe)**

DIAGNOSIS

Les torsades des pointes. Parrish C, et al. **Ann Emerg Med** 1982 Mar;11(3):143–6

Electrocardiogram recording by telephone in antiarrhythmic drug trials. Pritchett EL, et al. **Chest** 1982 Apr;81(4):473–6

Factitious atrial tachycardia [letter] Tilelli JA. **Crit Care Med** 1982 Mar;10(3):201

The case of the emergency room visit for paroxysmal tachycardia. Hancock EW. **Hosp Pract** 1981 Dec; 16(12):75–6

EKG of the month. Sinus tachycardia. Short runs of supraventricular tachycardia with aberrant intraventricular conduction. **IMJ** 1981 Sep;160(3):143, 196

Grand rounds. Paroxysmal supraventricular tachycardia: mechanism, diagnosis and treatment. Reddy CP. **J Ky Med Assoc** 1981 Oct;79(10):661–9

[Prognosis of supraventricular paroxysmal tachycardia in children] Ringelová J, et al. **Cesk Pediatr** 1982 Feb; 37(2):54–8 (Eng. Abstr.) **(Cze)**

[Diagnosis and prognosis of paroxysmal tachycardia] Frisch P. **Lebensversicherungsmedizin** 1981 Mar 26;33(3):55–9 (Eng. Abstr.) **(Ger)**

[Multifocal atrial tachycardia] Perticone F, et al. **Boll Soc Ital Cardiol** 1980;25(6):619–24 (Eng. Abstr.) **(Ita)**

[Paroxysmal supraventricular tachycardias due to re-entry via concealed retrograde atrio-His bypass (author's transl)] Alboni P, et al. **G Ital Cardiol** 1981;11(12):1871–82 (Eng. Abstr.) **(Ita)**

[Electrophysiological studies of the heart conduction system in healthy persons with a short PQ interval and normal QRS complexes. I. Registration of bundle of His potentials] Dąbrowski A, et al. **Kardiol Pol** 1982;25(1):17–24 (Eng. Abstr.) **(Pol)**

[Electrophysiological studies of the heart conduction system in healthy persons with a short PQ interval and normal QRS complexes. II. Diagnostic atrial stimulation] Dąbrowski A, et al. **Kardiol Pol** 1982;25(1):25–32 (Eng. Abstr.) **(Pol)**

[Supraventricular paroxysmal tachycardia: clinico-electrocardiographic analysis and classification] Kushakovskiĭ MS. **Kardiologiia** 1981 Oct;21(10):5–9 **(Rus)**

[Significance of a differentially amplified ECG in the diagnosis of paroxysmal tachycardias] Rugenius IuIu, et al. **Kardiologiia** 1981 Sep;21(9):32–7 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of disorders of cardiac rhythm: role of the intracardiac electrophysiological methods] Smetnev AS, et al. **Kardiologiia** 1982 May;22(5):38–42 (12 ref.) (Eng. Abstr.) **(Rus)**

[Modern diagnosis of paroxysmal supraventricular tachycardia and the basis of treatment methods with children] Bredikis IuIu, et al. **Pediatriia** 1982 Mar;(3):32–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Comparison of the electrophysiologic effects of intravenous and oral verapamil in patients with paroxysmal supraventricular tachycardia. Klein GJ, et al. **Am J Cardiol** 1982 Jan;49(1):117–24

Absence of slow channel-dependent conduction within the His-Purkinje (bundle branch) reentrant circuit: a clinical and experimental study of the effects of verapamil. Reddy CP, et al. **Am J Cardiol** 1982 Mar;49(4):724–32

Episodic drug treatment in the management of paroxysmal arrhythmias [letter] Singh RB. **Am J Cardiol** 1981 Oct; 48(4):807–8

Verapamil in the treatment of PSVT. Kuhn M. **Ann Emerg Med** 1981 Oct;10(10):538–44 (67 ref.)

Oral verapamil for paroxysmal supraventricular tachycardia: a long-term, double-blind randomized trial. Mauritson DR, et al. **Ann Intern Med** 1982 Apr;96(4):409–12

Treatment of supraventricular arrhythmias with intravenous and oral verapamil. Gonzalez R, et al. **Chest** 1981 Oct; 80(4):465–70

Treatment of paroxysmal supraventricular tachycardia in infancy with digitalis, adenosine-5'-triphosphate, and verapamil: a comparative study. Greco R, et al. **Circulation** 1982 Sep;66(3):504–8

Effects of quinidine on atrioventricular nodal reentrant paroxysmal tachycardia. Wu D, et al. **Circulation** 1981 Oct; 64(4):823–31

Metoprolol in the treatment and prophylaxis of paroxysmal reentrant supraventricular tachycardia. Gmeiner R, et al. **J Cardiovasc Pharmacol** 1982;4(1):5–13

[Antiarrhythmic actions of disopyramide phosphate in patients with paroxysmal supraventricular tachycardia (author's transl)] Satoh M, et al. **Kokyu To Junkan** 1981 May;29(5):537–44 (Eng. Abstr.) **(Jpn)**

[Evaluation of antiarrhythmic agents by means of artificial provocation of supraventricular tachycardia (author's transl)] Atarashi H. **Nippon Ika Daigaku Zasshi** 1981 Feb; 48(1):12–25 (Eng. Abstr.) **(Jpn)**

[Principles of differential treatment and prophylaxis of paroxysmal disorders of cardiac rhythm] Golikov AP, et al. **Kardiologiia** 1982 May;22(5):67–71 **(Rus)**

[Effect of etmozin on the atrioventricular conduction system function of the heart in paroxysmal subventricular tachycardia] Shugushev KhKh, et al. **Kardiologiia** 1982 Apr;22(4):56–62 (Eng. Abstr.) **(Rus)**

[Intravenous cordaron administration in the emergency therapy of supraventricular paroxysmal tachyarrhythmia] Anshelevich IuV, et al. **Klin Med (Mosk)** 1982 May; 60(5):55–9 (Eng. Abstr.) **(Rus)**

[Novocainamide in the treatment of paroxysmal supraventricular tachycardia and auricular fibrillation in premature ventricular excitation syndrome (relation between novocainamide dose, its blood level, and antiarrhythmia effect)] Ankhimiuk ON, et al. **Ter Arkh** 1982;54(3):92–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Onset of atrial fibrillation during antidromic tachycardia: association with sudden cardiac arrest and ventricular fibrillation in a patient with Wolff-Parkinson-White syndrome. Cosio FG, et al. **Am J Cardiol** 1982 Aug; 50(2):353–9

Exercise-triggered paroxysmal ventricular tachycardia. A repetitive rhythmic activity possibly related to afterdepolarization. Wu D, et al. **Ann Intern Med** 1981 Oct; 95(4):410–4

AV block and pseudo sinus exit block in a patient with PSVT due to dual AV nodal pathways. Herbstman BL, et al. **Chest** 1981 Nov;80(5):627–8

Recurrent paroxysmal supraventricular tachycardia complicating poliomyelitis. Shahar E, et al. **Clin Pediatr (Phila)** 1982 May;21(5):310

Concealed atrio-His bypass with anterograde conduction only. Filippi L, et al. **G Ital Cardiol** 1982;11(11):1817–22

Toxic myocarditis with resultant arrhythmias due to scorpion sting. Rao AV, et al. **J Assoc Physicians India** 1981 Jun; 29(6):481–3

Atrial parasystole induced recurrent supraventricular tachycardia: report of a case. Agarwal SK. **J Natl Med Assoc** 1981 Sep;73(9):872–5

[Paroxysmal supraventricular tachycardia following swallowing: report of 4 cases (author's transl)] Fei YJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):209–11 **(Chi)**

[Recurrent short paroxysms of ventricular tachycardia and flutter-fibrillation due to hypopotassemia (author's transl)] Tao SQ. **Chung Hua Nei Ko Tsa Chih** 1981 Nov; 20(11):655–8 **(Chi)**

[Paroxysmal tachycardia in the Wolff-Parkinson-White syndrome (author's transl)] Laham J, et al. **Ann Cardiol Angeiol (Paris)** 1981 Oct;30(5):345–60 (21 ref.) (Eng. Abstr.) **(Fre)**

[Pseudoventricular tachycardia linked to a reciprocal antidromic rhythm from Mahaim's fibers] Desoutter P, et al. **Arch Mal Coeur** 1981 Dec;74(12):1477–85 (Eng. Abstr.) **(Fre)**

[Induction and termination of paroxysmal supraventricular tachycardia by electrical stimulation of the right atrium (author's transl)] Nakayama K. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):49–68 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Analysis of anterograde and retrograde fast pathway properties in patients with dual atrioventricular nodal pathways: observations regarding the pathophysiology of the Lown-Ganong-Levine syndrome. Bauernfeind RA, et al. **Am J Cardiol** 1982 Feb 1;49(2):283–90

Reentry confined to the atrioventricular node: electrophysiologic and anatomic findings. Sheinman MM, et al. **Am J Cardiol** 1982 May;49(7):1814–8

Reflex mechanisms responsible for early spontaneous termination of paroxysmal supraventricular tachycardia. Waxman MB, et al. **Am J Cardiol** 1982 Feb 1;49(2):259–72

Slowing of paroxysmal tachycardia with loss of functional bundle-branch block. Bauernfeind RA, et al. **Br Heart J** 1982 Jul;48(1):75–7

Documentation of sporadic dysrhythmia. Bauernfeind RA. **Chest** 1982 Apr;81(4):401–2

Enhanced atrioventricular conduction in patients without preexcitation syndrome: relation to heart rate in paroxysmal reciprocating tachycardia. Benditt DG, et al. **Circulation** 1982 Jun;65(7):1474–9

Concealed accessory pathway and dual AV conduction: drug-dependent reentrant tachycardia. Gmeiner R, et al. **Clin Cardiol** 1979 Aug;2(4):291–6

Electrophysiological effects of propafenone studied with programmed electrical stimulation of the heart in patients with recurrent paroxysmal supraventricular tachycardia. Waleffe A, et al. **Eur Heart J** 1981 Aug;2(4):345–52

Double atrial tachycardia with functional atrial dissociation. Filippi L, et al. **G Ital Cardiol** 1981;11(9):1219–27

Electrophysiological studies on paroxysmal supraventricular tachycardia due to atrial reentry. Jain SC, et al. **Indian Heart J** 1981 Mar–Apr;33(2):65–8

The clinical and electrophysiologic characteristics of patients with accelerated atrioventricular nodal conduction. Holmes DR Jr, et al. **Mayo Clin Proc** 1982 Jun;57(6):339–44

[Intranodal reentrant tachycardia] Perrot B, et al. **Arch Mal Coeur** 1981 Nov;74(11):1263–76 (Eng. Abstr.) **(Fre)**

[Electrophysiologic demonstration of dual atrioventricular nodal pathways and final common pathway in a case of

A-V nodal paroxysmal tachycardia. Considerations on the functional complexity of the A-V node (author's transl)] Guaragna RF, et al. **G Ital Cardiol** 1981;11(4):517-23 (Eng. Abstr.) **(Ita)**

[The electrogram of the bundle of His. III. Supraventricular and ventricular paroxysmal tachycardias] Gizzi JC, et al. **Arq Bras Cardiol** 1981 Nov;37(5):409-24 (Eng. Abstr.) **(Por)**

[Effect of the changes of heart rate on the hemodynamics of systemic circulation] Ternova TI, et al. **Pediatriia** 1982 Apr;(4):31-3 **(Rus)**

[Importance of the circular movement in clinical medicine] Cárdenas M. **Arch Inst Cardiol Mex** 1981 Sep-Oct; 51(5):403-6 **(Spa)**

[Mechanism of paroxysmal supraventricular tachycardia (author's transl)] González R. **Rev Med Chil** 1981 Mar; 109(3):246-51 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[Effect of continuous cardiac pacing on the incidence of ectopic tachycardia in the sick sinus syndrome] Kutarski A, et al. **Pol Tyg Lek** 1981 Oct 12;36(41):1565-8 (Eng. Abstr.) **(Pol)**

[Prevention of frequent paroxysmal ventricular tachycardia by combined use of anti-arrhythmia drugs] Kesler DF. **Klin Med (Mosk)** 1981 Nov;59(11):98-9 **(Rus)**

RADIONUCLIDE IMAGING

Sequential regional phase mapping of radionuclide gated biventriculograms in patients with sustained ventricular tachycardia: close correlation with electrophysiologic characteristics. Swiryn S, et al. **Am Heart J** 1982 Mar; 103(3):319-32

SURGERY

Surgical exclusion of focal paroxysmal atrial tachycardia. Anderson KP, et al. **Am J Cardiol** 1982 Mar;49(4):869-74

The surgical treatment of reentrant atrioventricular tachycardia (Wolff-Parkinson-White syndrome) [editorial] Burchell HB. **Mayo Clin Proc** 1982 Jun;57(6):387-9

THERAPY

Treating paroxysmal supraventricular tachycardia [letter] Anderson DP. **Arch Intern Med** 1982 Jan;142(1):201

Long-term control of reciprocating paroxysmal tachycardia by ventricular pacing in a case of Wolff-Parkinson-White syndrome. Nilsson G, et al. **Br Heart J** 1982 Jun; 47(6):609-12

Termination of ventricular tachycardia by carotid sinus massage. Hess DS, et al. **Circulation** 1982 Mar;65(3):627-33

Initial experience with a fully implantable, programmable, scanning, extrastimulus pacemaker for tachycardia termination. Nathan AW, et al. **Clin Cardiol** 1982 Jan; 5(1):22-6

Rate-related accelerating (autodecremental) atrial pacing for reversion of paroxysmal supraventricular tachycardia. Nathan A, et al. **J Electrocardiol** 1982 Jan;15(1):77-84

Upside-down position for paroxysmal supraventricular tachycardia [letter] Tai YP, et al. **Lancet** 1981 Dec 5; 2(8258):1289

Refractory supraventricular reentry tachycardia treated by radiofrequency atrial pacemaker. Solti F, et al. **PACE** 1982 Mar;5(2):275-7

[Interruption of atrial flutter and supraventricular paroxysmal tachycardia by temporary electrostimulation (personal case studies)] Mobilij A, et al. **Boll Soc Ital Cardiol** 1980; 25(4):383-9 (Eng. Abstr.) **(Ita)**

[Therapy of ventricular tachycardia. Use of high-frequency electrostimulation] Arlotti M, et al. **G Ital Cardiol** 1981; 11(3):409-12 **(Ita)**

[Electrotherapy of ectopic paroxysmal arrhythmia] Kutarski A, et al. **Kardiol Pol** 1981;24(8):579-86 (34 ref.) **(Pol)**

[Our experience in the treatment of paroxysmal tachycardia with high-frequency electrical stimulation] Kutarski A, et al. **Pol Tyg Lek** 1982 Mar 29;37(3):83-6 (Eng. Abstr.) **(Pol)**

[Treatment of paroxysmal ventricular tachycardia with paired electric cardiac stimulation] Briskin VR, et al. **Vrach Delo** 1981 Mar;(3):95-6 **(Rus)**

TACHYPHYLAXIS

Management of refractory CHF with prazosin: importance of tolerance and tachyphylaxis. Awan NA, et al. **Acta Med Scand [Suppl]** 1981;652:115-24

The lack of tachyphylaxis following prolonged therapy of asthma with inhaled albuterol aerosol. Repsher LH, et al. **Ann Allergy** 1981 Nov;47(5 Pt 2):405-9

Effect of age and spontaneous hypertension on the tachyphylaxis to 5-hydroxytryptamine and angiotensin II in the isolated rat kidney. De Mey C, et al. **Hypertension** 1981 Nov-Dec;3(6):718-24

Angiotensin I, II, and II tachyphylaxis in the mesenteric vascular circuit of the rat. Fasciolo JC, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-166-70

Histamine tachyphylaxis in canine isolated airways: role of endogenous prostaglandins. Brink C, et al. **J Pharm Pharmacol** 1982 Mar;34(3):199-201

Renal vascular tachyphylaxis to angiotensin II: specificity of the response for angiotensin. de Leeuw PW, et al. **Life Sci** 1982 Mar 8;30(10):813-9

Allergen tachyphylaxis of guinea pigs in vivo; a prostaglandin E mediated phenomenon? Dorsch W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):351-6

[Desensitization of receptors] Alonzo de Florida F. **Bol Estud Med Biol** 1980 Jul-Oct;31(3-4):149-60 **(Spa)**

TACHYPLEUS see **HORSESHOE CRABS**

TACRINE see under **ACRIDINES**

TAENIA

ANALYSIS

Lipid composition of metacestodes of Taenia taeniaeformis and lipid changes during growth. Mills GL, et al. **Mol Biochem Parasitol** 1981 Sep;3(5):301-18

ANATOMY & HISTOLOGY

[Rostellar organ or Taenia crassiceps (Cestoda: Taeniidae) larvae] Krasnoshchekov GP, et al. **Parazitologiia** 1981 Nov-Dec;15(6):519-24 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of fertilizers on eggs of Taenia saginata Goeze, 1782 under field conditions. Jelenová I. **Folia Parasitol (Praha)** 1981;28(3):285-7

Preliminary studies on the effect of fenbendazole and oxfendazole on Taenia saginata cysticerci in calves. Walther M, et al. **Zentralbl Veterinarmed [B]** 1982 Feb; 29(1):80-2

EMBRYOLOGY

SEM observations of the membranous structure of eggs from Taenia solium. Wang SS, et al. **Scan Electron Microsc** 1981; (Pt 3):183-6

ENZYMOLOGY

Presence of cholinesterases in the membrane of the vesicles of Cysticercus cellulosae. González-Barranco D, et al. **Arch Invest Med (Mex)** 1982;13(1):1-5 **(Eng, Spa)**

GROWTH & DEVELOPMENT

Development of oncospheres of Taenia saginata after a concomitant infection by oral and subcutaneous routes. Stěrba J, et al. **Folia Parasitol (Praha)** 1981;28(4):353-8

The growth and antigenicity of the metacestodes of Taenia crassiceps in several different strains of rats. Chernin J. **J Helminthol** 1981 Sep;55(3):209-22

The chemical removal of embryophoric blocks from eggs of Taenia ovis and Taenia hydatigena prior to in vitro cultivation. Osborn PJ, et al. **J Parasitol** 1982 Apr; 68(2):339-41

In vitro hatching and activation of Taenia taeniaeformis oncospheres. Brandt JR, et al. **Vet Res Commun** 1981 Dec; 5(2):193-9

A preliminary report on Meriones unguiculatus as an experimental host for Taenia saginata metacestodes. Geerts S, et al. **Vet Res Commun** 1982 May;5(3):301-4

The in vitro cultivation of Taenia pisiformis to sexually mature adults. Osuna-Carrillo A, et al. **Z Parasitenkd** 1982; 67(1):67-71

IMMUNOLOGY

Enzyme-linked immunosorbent assay (ELISA) for the detection of antibody to cysticerci of Taenia solium. Diwan AR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):364-9

Immunization of mice against Taenia taeniaeformis using solubilized oncospheral antigens. Rajasekariah GR, et al. **Int J Parasitol** 1982 Jun;12(2-3):111-6

Analysis of antigenic variation in cysticerci of Taenia solium. Yakoleff-Greenhouse V, et al. **J Parasitol** 1982 Feb; 68(1):39-47

Taenia solium: mitogenic effect of larval extracts on murine B lymphocytes. Sealey M, et al. **Parasite Immunol** 1981 Winter;3(4):299-307

Antibody levels in cattle naturally infected with Taenia saginata metacestodes in Britain. Harrison LJ, et al. **Res Vet Sci** 1981 Jul;31(1):62-4

Immunisation of lambs against infection with Taenia ovis using an extract of Taenia ovis eggs. Osborn PJ, et al. **Res Vet Sci** 1981 Jul;31(1):90-2

Vaccination of sheep against Taenia ovis. The response to various dose rates of antigens obtained by incubation of oncospheres in vitro. Osborn PJ, et al. **Res Vet Sci** 1982 May;32(3):351-3

Field trial to evaluate the use of antigens from Taenia hydatigena oncospheres to prevent infection with Taenia saginata in cattle grazing on sewage-irrigated pasture. Rickard MD, et al. **Res Vet Sci** 1982 Mar;32(2):189-93

Inoculation of calves and adult cattle with oncospheres of Taenia saginata and their resistance to challenge infection. Gallie GJ, et al. **Trop Anim Health Prod** 1981 Aug; 13(3):147-54

Attempted immunisation of calves against infection with the cysticercus stage of Taenia saginata. Gallie GJ, et al. **Trop Anim Health Prod** 1981 Nov;13(4):213-6

Preliminary investigations into the immunization of lambs against infection with Taenia multiceps metacestodes. Edwards GT, et al. **Vet Parasitol** 1982 Feb;9(3-4):193-9

Antibody responses of experimentally infected lambs to antigens collected during in vitro maintenance of the adult, metacestode or oncosphere stages of Taenia hydatigena and Taenia ovis with further observations on anti-oncospheral antibodies. Craig PS, et al. **Z Parasitenkd** 1982; 67(2):197-209

Isolation of fraction no. 10 from Taenia saginata and evaluation of its specificity for the diagnosis of bovine cysticercosis. Geerts S, et al. **Z Parasitenkd** 1981; 66(2):201-6

Immunisation of mice against Taenia taeniaeformis using antigens prepared from T. pisiformis and T. hydatigena eggs or oncospheres. Rickard MD, et al. **Z Parasitenkd** 1981;66(1):49-56

[Value of a serologic diagnosis of taenia saginata infestation in the human] Flentje B, et al. **Angew Parasitol** 1981 May; 22(2):65-8 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Inactivation of Cysticercus cellulosae in pork by freezing (author' s transl)] Plaza J, et al. **Rev Med Chil** 1981 Apr; 109(4):312-7 (Eng. Abstr.) **(Spa)**

PATHOGENICITY

[Contribution to the knowledge of Taenia crassiceps (Zeder, 1800) Rudolphi, 1810 (Cestoda, Taeniidae) (author's transl)] Rietschel G. **Z Parasitenkd** 1981;65(3):309-15 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Longevity and productivity of Taenia taeniaeformis in cats. Williams JF, et al. **Am J Vet Res** 1981 Dec;42(12):2182-3

Ultrastructure of the hatched and unhatched oncospheres of Taenia saginata. Schramlová J, et al. **Folia Parasitol (Praha)** 1982;29(1):45-50

Interactions between taenia taeniaeformis and host cells in vitro: rapid adherence of peritoneal cells to strobilocerci. Engelkirk PG, et al. **Int J Parasitol** 1981 Dec;11(6):463-74

Recovery of Taenia crassiceps cysticerci (ERS Tol derived strain) from sub-zero temperature. Ham PJ. **J Helminthol** 1982 Jun;56(2):131-3

ULTRASTRUCTURE

On the nature of the proglottids of cestodes: a light and electron microscopic study on Taenia, Hymenolepis, and Echinococcus. Mehlhorn H, et al. **Z Parasitenkd** 1981; 65(3):243-59

[2 types of secretory neurons in Taenia crassiceps (Cestoda: Taeniidae) larvae] Krasnoshchekov GP, et al. **Dokl Akad Nauk SSSR** 1981;261(2):491-3 **(Rus)**

TAENIA INFECTIONS see **TAENIASIS**

TAENIACIDES see **ANTICESTODAL AGENTS**

TAENIARHYNCHUS see **TAENIA**

TAENIASIS

see related
CYSTICERCOSIS

[Two unusual cases of human infection with Taenia solium (author's transl)] Reyes H, et al. **Rev Med Chil** 1981 Nov; 109(11):1079-81 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

[Inflammatory rheumatism associated with intestinal parasitosis (letter)] Bussière JL, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2990 **(Fre)**

DIAGNOSIS

[Value of a serologic diagnosis of taenia saginata infestation in the human] Flentje B, et al. **Angew Parasitol** 1981 May; 22(2):65-8 (Eng. Abstr.) **(Ger)**

[Evaluation of different methods of laboratory diagnosis of taeniasis] Iakhontov BV, et al. **Med Parazitol (Mosk)** 1981 Sep-Oct;50(5):82-3 **(Rus)**

DRUG THERAPY

Flubendazole versus mebendazole in intestinal helminthic infections. Feldmeier H, et al. **Acta Trop (Basel)** 1982 Jun; 39(2):185-9

Treatment of taeniasis with Puag-Haad: a crude extract of Artocarpus lakoocha wood. Charoenlarp P, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):568-70

[Therapeutic effect of cucurbitine on dog taeniasis (author's transl)] Chen ZK, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):124-6 (Eng. Abstr.) **(Chi)**

[Efficacy and tolerance of Fenasal tablets in taeniasis] Magdieva SR, et al. **Med Parazitol (Mosk)** 1981 Sep-Oct; 50(5):53-5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunization of mice against Taenia taeniaeformis using solubilized oncospheral antigens. Rajasekariah GR, et al. **Int J Parasitol** 1982 Jun;12(2-3):111-6

BCG-induced inhibition and destruction of Taenia taeniaeformis in mice. Thompson RC, et al.

Parasite Immunol 1982 Mar;4(2):93–9
ELISA antibodies to cysticerci of Taenia solium in human populations in New Guinea, Oceania, and Southeast Asia. Coker-Vann MR, et al.
Southeast Asian J Trop Med Public Health 1981 Dec; 12(4):499–505
A comparison of the enzyme linked immunosorbent assay and the indirect haemagglutination technique applied to sera from cattle experimentally infected with Taenia saginata (Goeze, 1782). Harrison LJ, et al.
Vet Immunol Immunopathol 1981 Feb;2(1):67–73
Immunisation of mice against Taenia taeniaeformis using antigens prepared from T. pisiformis and T. hydatigena eggs or oncospheres. Rickard MD, et al. **Z Parasitenkd** 1981;66(1):49–56

OCCURRENCE

[Taenia infection of the Turkish population in West Berlin. Contribution to the epidemiological situation] Beier A.
Off Gesundheitswes 1982 Jun;44(6):415–7 **(Ger)**
[Intestinal parasites. I. Taeniasis and other parasitic diseases] Zembrzuski K. **Przegl Epidemiol** 1981;35(1):159–65 **(Pol)**
[Studies on the epidemiology of Taenia saginata infection and cysticercosis] Pawłowski Z. **Wiad Parazytol** 1980; 26(6):539–52 (49 ref.) (Eng. Abstr.) **(Pol)**
[Importance of epidemiological case history in the fight against teniarhynchosis (author's transl)] Straka S, et al.
Cesk Epidemiol Mikrobiol Imunol 1982 May;31(3):156–60 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Pathology of Taenia taeniaeformis infection in the rat: hepatic, lymph node and thymic changes. Cook RW, et al. **J Comp Pathol** 1981 Apr;91(2):219–26
Pathology of Taenia taeniaeformis infection in the rat: gastrointestinal changes. Cook RW, et al.
J Comp Pathol 1981 Apr;91(2):205–17

PHYSIOPATHOLOGY

Interactions between taenia taeniaeformis and host cells in vitro: rapid adherence of peritoneal cells to strobilocerci. Engelkirk PG, et al. **Int J Parasitol** 1981 Dec;11(6):463–74

VETERINARY

Longevity and productivity of Taenia taeniaeformis in cats. Williams JF, et al. **Am J Vet Res** 1981 Dec;42(12):2182–3
Development of oncospheres of Taenia saginata after a concomitant infection by oral and subcutaneous routes. Stěrba J, et al. **Folia Parasitol (Praha)** 1981;28(4):353–8
Antibody levels in cattle naturally infected with Taenia saginata metacestodes in Britain. Harrison LJ, et al.
Res Vet Sci 1981 Jul;31(1):62–4
Immunisation of lambs against infection with Taenia ovis using an extract of Taenia ovis eggs. Osborn PJ, et al.
Res Vet Sci 1981 Jul;31(1):90–2
Vaccination of sheep against Taenia ovis. The response to various dose rates of antigens obtained by incubation of oncospheres in vitro. Osborn PJ, et al. **Res Vet Sci** 1982 May;32(3):351–3
Field trial to evaluate the use of antigens from Taenia hydatigena oncospheres to prevent infection with Taenia saginata in cattle grazing on sewage-irrigated pasture. Rickard MD, et al. **Res Vet Sci** 1982 Mar;32(2):189–93
Inoculation of calves and adult cattle with oncospheres of Taenia saginata and their resistance to challenge infection. Gallie GJ, et al. **Trop Anim Health Prod** 1981 Aug; 13(3):147–54
Attempted immunisation of calves against infection with the cysticercus stage of Taenia saginata. Gallie GJ, et al.
Trop Anim Health Prod 1981 Nov;13(4):213–6
Preliminary investigations into the immunization of lambs against infection with Taenia multiceps metacestodes. Edwards GT, et al. **Vet Parasitol** 1982 Feb;9(3–4):193–9
The incidence of adult and larval stage Taenia hydatigena in Uttar Pradesh (India). Pathak KM, et al.
Vet Parasitol 1982 Mar;10(1):91–5
Effect of albendazole on Taenia saginata cysticerci in naturally infected cattle. Stevenson P, et al. **Vet Rec** 1981 Jul 25;109(4):82
Varying infectivity of Taenia taeniaeformis for rats and mice. Brandt JR, et al. **Vet Res Commun** 1981 Dec;5(2):187–91
A preliminary report on Meriones unguiculatus as an experimental host for Taenia saginata metacestodes. Geerts S, et al. **Vet Res Commun** 1982 May;5(3):301–4
Antibody responses of experimentally infected lambs to antigens collected during in vitro maintenance of the adult, metacestode or oncosphere stages of Taenia hydatigena and Taenia ovis with further observations on anti-oncospheral antibodies. Craig PS, et al. **Z Parasitenkd** 1982; 67(2):197–209
[Contribution to the knowledge of Taenia crassiceps (Zeder, 1800) Rudolphi, 1810 (Cestoda, Taeniidae) (author's transl)] Rietschel G. **Z Parasitenkd** 1981;65(3):309–15 (Eng. Abstr.) **(Ger)**

TAENIORHYNCUS see under **MOSQUITOES**

TAGATURONATE REDUCTASE see under **CARBOHYDRATE DEHYDROGENASES**

TAI 284 see under **INDENES**

TAIL

The epidemiology of squamous cell carcinoma of the perineal region of sheep. Hawkins CD, et al. **Aust Vet J** 1981 Oct; 57(10):455–7
Organization of collagen fibers in rat tail tendon at the optical microscope level. Niven H, et al. **Coll Relat Res** 1982; 2(2):131–42
Two extragonadal teratomas in a mouse, with discussion of possible histogenesis. Phillips RJ, et al. **J Comp Pathol** 1982 Apr;92(2):273–84
Evolution and the human tail: a case report. Ledley FD. **N Engl J Med** 1982 May 20;306(20):1212–5
[Histochemical studies of the structure of the regenerated cartilage in the tail of Lacerta sicula] Alibardi L, et al.
Arch Ital Anat Embriol 1981;86(1–2):163–81 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Arterial morphometry in neonatal and infant spontaneously hypertensive rats. Karr-Dullien V, et al. **Blood Vessels** 1981;18(6):253–62
Prolongation of rat tail bleeding time caused by oral doses of a thromboxane synthetase inhibitor which have little effect on platelet aggregation. Butler KD, et al.
Thromb Haemost 1982 Feb 26;47(1):46–9

EMBRYOLOGY

Morphogenetic processes involved in the remodeling of the tail region of the chick embryo. Schoenwolf GC.
Anat Embryol (Berl) 1981;162(2):183–97

INJURIES

[Healing of fractures and soft tissues depending on tissue pressure (animal experiment)] Helmke U, et al.
Z Exp Chir 1981;14(4):210–7 **(Ger)**

INNERVATION

Responses of primate spinothalamic neurons located in the sacral intermediomedial gray (Stilling's nucleus) to proprioceptive input from the tail. Milne RJ, et al.
Brain Res 1982 Feb 25;234(2):227–36
Afferent and efferent connections of the rat tail flick reflex (a model used to analyze pain control mechanisms). Grossman ML, et al. **J Comp Neurol** 1982 Mar 20; 206(1):9–16

PHYSIOLOGY

Thermoregulatory responses of tailed and tailless rats to isoproterenol. Spiers DE, et al.
Can J Physiol Pharmacol 1981 Aug;59(8):847–52
Evidence for on–off control of heat dissipation from the tail of the rat. Young AA, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):392–8
Design for an inexpensive unit for measuring tail flick latencies. Isabel G, et al. **J Pharmacol Methods** 1981 May; 5(3):241–7

SURGERY

Effect of docking on health, blood cells and metabolites and growth of Dorset lambs. Wohlt JE, et al. **J Anim Sci** 1982 Jan;54(1):23–8

TAKAYASU SYNDROME see under **AORTIC ARCH SYNDROMES**

TALAMPICILLIN see under **AMPICILLIN**

TALC

ADVERSE EFFECTS

The role of depilation and deodorants in hidradenitis suppurativa. Morgan WP, et al. **Arch Dermatol** 1982 Feb; 118(2):101–2
Evaluation of respiratory effects in miners and millers exposed to talc free of asbestos and silica. Wegman DH, et al. **Br J Ind Med** 1982 Aug;39(3):233–8
Ovarian cancer and talc: a case-control study. Cramer DW, et al. **Cancer** 1982 Jul 15;50(2):372–6
Embolic retinopathy from carotid artery self-injection. A case of true 'mainline' talc retinopathy. Keane JR.
J Clin Neuro Ophthalmol 1981 Jun;1(2):119–21
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 35–1982. A 29-year-old Puerto Rican man with a military pulmonary pattern on radiological examination. **N Engl J Med** 1982 Sep 2; 307(10):605–14
Talcum powder pneumoconiosis—diagnosis by transbronchial biopsy using energy-dispersive x-ray analysis. Goldbach PD, et al. **West J Med** 1982 May; 136(5):439–42
[Experimental studies of talc retinopathy in monkeys. I. Clinico-pathological study (author's transl)] Setogawa T, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):751–9 (Eng. Abstr.) **(Jpn)**
[Talcosis—an unrecognized pneumoconiosis? A mineralogical study of talc dust in pulmonary tissue as a diagnostic tool, illustrated by a case] Berner A, et al.
Tidsskr Nor Laegeforen 1981 Jun 20;101(17–18):1061–3 (Eng. Abstr.) **(Nor)**

ANALYSIS

Potential complications in myelography: I. Technical considerations. Seigel RS, et al. **AJR** 1982 Apr;138(4):705–8

POISONING

Occupational exposure to talc containing asbestos [letter] Dement JM, et al. **Am Ind Hyg Assoc J** 1982 Jun; 43(6):A24–5
The mortality experience of upstate New York talc workers. Stille WT, et al. **JOM** 1982 Jun;24(6):480–4

THERAPEUTIC USE

Talc pleurodesis : a controversial issue. Weissberg D.
Poumon Coeur 1981;37(5):291–4
[Indications for intrapleural talc under pleuroscopic control in malignant recurrent pleural effusions. Based on 26 cases (author's transl)] Migueres J, et al. **Poumon Coeur** 1981; 37(5):295–7 (Eng. Abstr.) **(Fre)**
[Intrapleural talc in malignant pleural effusions (author's transl)] Scarbonchi J, et al. **Poumon Coeur** 1981;37(5):283–9 (Eng. Abstr.) **(Fre)**
[Pleural talcage in patients with spontaneous pneumothorax (author's transl)] Vanderschueren RG. **Poumon Coeur** 1981; 37(4):273–6 (Eng. Abstr.) **(Fre)**

TALENT see **APTITUDE**

TALIPES see **CLUBFOOT**

TALUS

Articular osteoid osteoma of the talus: a case report. Gould N. **Foot Ankle** 1981 Mar;1(5):284–5
Problems encountered in the diagnosis and treatment of osteoid osteoma of the talus. Kenzora JE, et al.
Foot Ankle 1981 Nov;2(3):172–8
Systemic lipomatosis of bone. A case report. Döhler R, et al. **J Bone Joint Surg [Br]** 1982;64(1):84–7
Osteochondritis dissecans of the talus: diagnosis, treatment, and case report. Portillo RL. **J Foot Surg** 1981 Winter; 20(4):239–42
The significance of the os trigonum. Reinherz RP.
J Foot Surg 1979 Summer;18(2):61–3
Subtalar dislocation. El-Khoury GY, et al.
Skeletal Radiol 1982;8(2):99–103
[Intraosseous mucous cyst. Description of a case and anatomo-pathological considerations] Boriani S.
Chir Organi Mov 1978 Nov-Dec;64(6):661–3 **(Ita)**

ABNORMALITIES

Congenital metacarpotalar syndrome. Ashley RK, et al.
Ann Acad Med Singapore 1981 Oct;10(4):434–41
Congenital convex pes valgus: results of an early comprehensive release and a review of congenital vertical talus at Richmond Crippled Children's Hospital and the University of Alabama in Birmingham. Adelaar RS, et al.
Foot Ankle 1980 Sep;1(2):62–73
Congenital vertical talus and congenital calcaneovalgus deformity: a comparison. Greenberg AJ. **J Foot Surg** 1981 Winter;20(4):189–93
[Talus verticalis] Majeský B, et al.
Acta Chir Orthop Traumatol Cech 1981 Aug;48(4):301–3 (Eng. Abstr.) **(Slo)**

INJURIES

Fracture of the fused os trigonum. Ihle CL, et al.
Am J Sports Med 1982 Jan-Feb;10(1):47–50
Traumatic osteochondral lesions of the talus. Israeli A, et al. **Br J Sports Med** 1981 Sep;15(3):159–62
Fractures of the neck of the talus in children. Letts RM, et al. **Foot Ankle** 1980 Sep;1(2):74–7
The role of intraosseous phlebography in the prognosis of injuries of the talus. Nyári T, et al. **Injury** 1982 Jan; 13(4):317–23
Stress fracture of the talar neck and distal calcaneus. Perry DR, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):637–8
Subtalar dislocation. Monson ST, et al.
J Bone Joint Surg [Am] 1981 Sep;63A(7):1156–8
Lateral dome fracture of the talus. Wray DG, et al.
J Trauma 1981 Sep;21(9):818–9
Arthrographic differential diagnosis between ruptures of the anterior talofibular ligament, the joint capsule and the anterior tibiofibular ligament. van Moppes FI, et al.
ROFO 1980 Nov;133(5):534–9
[Therapy and results of traumatic cartilage-bone lesions of the talus (author's transl)] Lies A, et al.
Aktuel Traumatol 1982 Jan;12(1):23–9 (Eng. Abstr.) **(Ger)**
[Gluing of fresh cartilaginous lesions of the talus using concentrated fibrinogen adhesive (author's transl)] Paar O, et al. **Aktuel Traumatol** 1982 Jan;12(1):19–22 (Eng. Abstr.) **(Ger)**
[Late results after dislocations and fractures of the ankle and foot (author's transl)] Hierholzer G, et al.
Langenbecks Arch Chir 1981;355:443–8 (Eng. Abstr.) **(Ger)**

[Choice of treatment of central talus fractures (author's transl)] Schöntag H, et al. **Langenbecks Arch Chir** 1981; 354(3):221–9 (Eng. Abstr.) **(Ger)**

[Fractures of the ankle joint and the astragalus. New aspects in diagnosis and treatment (author's transl)] Weber BG. **Langenbecks Arch Chir** 1981;355:421–5 (Eng. Abstr.) **(Ger)**

[Surgical treatment of complex injuries to the talus] Drachuk PS, et al. **Vestn Khir** 1982 Feb;128(2):81–3 (Eng. Abstr.) **(Rus)**

[Treatment of closed injuries of the talocrural joint] Nikitin GD, et al. **Vestn Khir** 1982 Apr;128(4):91–5 **(Rus)**

PHYSIOLOGY

Mobility of the ankle joint: recording of rotatory movements in the talocrural joint in vitro with and without the lateral collateral ligaments of the ankle. Rasmussen O, et al. **Acta Orthop Scand** 1982 Feb;53(1):155–60

The subtalar articulation: physiology by prints under pressure. le Floch P. **Folia Morphol (Praha)** 1981; 29(4):326–9

[Study of the talus and calcaneus using microdurometry, penetrometry and compression] Guillot M, et al. **Bull Assoc Anat (Nancy)** 1981 Dec;65(191):411–24 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Osteochondritis dissecans of the talus: use of the high resolution computed tomography scanner. Zinman C, et al. **Acta Orthop Scand** 1982 Aug;53(4):697–700

A radiographic study of skeletal deformities in treated clubfeet. Ponseti IV, et al. **Clin Orthop** 1981 Oct; (160):30–42

RADIONUCLIDE IMAGING

Radionuclide bone scanning in subtalar coalitions: differential considerations. Goldman AB, et al. **AJR** 1982 Mar; 138(3):427–32

SURGERY

Osteochondritis dissecans of the talus. The late results of surgical treatment. O'Farrell TA, et al. **J Bone Joint Surg [Br]** 1982;64(4):494–7

Talectomy leading to an ankle fusion: a case history. Poss K, et al. **J Foot Surg** 1979 Summer;18(2):76–81

[Subastragalar arthrodesis with compression osteosynthesis and immediate prosthesis in treating defective foot stumps] Sanin VG, et al. **Ortop Travmatol Protez** 1981 Jan;(1):45–8 (Eng. Abstr.) **(Rus)**

TAMARINS see **CALLITHRICIDAE**

TAMIAS see **SCIURIDAE**

TAMOXIFEN

ADMINISTRATION & DOSAGE

Dibromodulcitol and adriamycin +/– tamoxifen in advanced breast cancer. Tormey DC, et al. **Am J Clin Oncol** 1982 Feb;5(1):33–9

Phase II study of high–dose tamoxifen (NSC–180973) in patients with disseminated malignant melanoma. Creagan ET, et al. **Cancer** 1982 Apr 1;49(7):1353–4

Tamoxifen–induced remission in breast cancer by escalating the dose to 40 mg daily after progression on 20 mg daily: a case report and review of the literature. Manni A, et al. **Cancer** 1981 Aug 15;48(4):873–5

Tamoxifen and aminoglutethimide in advanced breast cancer. Corkery J, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3409s–3414s

Progress report on two clinical trials in women with advanced breast cancer. Trial I: tamoxifen versus tamoxifen plus aminoglutethimide. Trial II: aminoglutethimide in patients with prior tamoxifen exposure. Ingle JN, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3461s–3467s

Clinical trial of multiple endocrine therapy for metastatic and locally advanced breast cancer with tamoxifen–aminoglutethimide–danazol compared to tamoxifen used alone. Powles TJ, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3458s–3460s

Southwest Oncology Group experience with tamoxifen in metastatic melanoma [letter] Reimer RR, et al. **Cancer Treat Rep** 1982 Aug;66(8):1680–1

Trial of tamoxifen at a dose of 40 mg daily after disease progression during tamoxifen therapy at a dose of 20 mg daily. Stewart JF, et al. **Cancer Treat Rep** 1982 Jun; 66(6):1445–6

Response to aminoglutethimide after tamoxifen therapy in advanced breast cancer. Allison RW, et al. **Med J Aust** 1982 Jan 9;1(1):44–5

Tamoxifen therapy for advanced ovarian cancer. Schwartz PE, et al. **Obstet Gynecol** 1982 May;59(5):583–8

Combination hormonotherapy with tamoxifen and fluoxymesterone in patients with advanced breast cancer relapsing on hormonotherapy. Goldhirsch A, et al. **Oncology** 1982;39(5):284–6

High–dose tamoxifen in metastatic renal cell carcinoma. Lanteri VJ, et al. **Urology** 1982 Jun;19(6):623–5

[Simultaneous or sequential hormono/chemotherapy and a comparison of various polychemotherapies in the treatment of metastatic breast cancer] Cavalli F, et al. **Schweiz Med Wochenschr** 1982 May 29;112(22):774–83 (Eng. Abstr.) **(Ger)**

[Tamoxifen in treating disseminated breast cancer] Dement'eva NP, et al. **Vopr Onkol** 1981;27(8):30–4 **(Rus)**

ANALOGS & DERIVATIVES

Comparative antioestrogen action in experimental breast cancer. Jordan VC. **Adv Exp Med Biol** 1981;138:165–78

Binding of [3H]monohydroxytamoxifen by immature rat tissues in vivo. Jordan VC, et al. **Endocrinology** 1982 Apr; 110(4):1281–91

Tamoxifen aziridines: effective inactivators of the estrogen receptor. Robertson DW, et al. **Endocrinology** 1981 Oct; 109(4):1298–300

Effect of monohydroxytamoxifen on mouse mammary tumors. Sluyser M, et al. **Eur J Cancer Clin Oncol** 1981 Sep;17(9):1063–5

Tissue distribution of the radiolabeled antiestrogen [125I]iodotamoxifen. Hanson RN, et al. **Int J Nucl Med Biol** 1982;9(2):105–7

Physical properties of estrogen receptor complexes in MCF–7 human breast cancer cells. Differences with anti–estrogen and estrogen. Eckert RL, et al. **J Biol Chem** 1982 Aug 10;257(15):8840–6

Antiestrogen basicity--activity relationships: a comparison of the estrogen receptor binding and antiuterotrophic potencies of several analogues of (Z)–1,2–diphenyl–1–[4–[2–(dimethylamino)ethoxy]phenyl] (tamoxifen, Nolvadex) having altered basicity. Robertson DW, et al. **J Med Chem** 1982 Feb;25(2):167–71

Effects of hydroxytamoxifen and tamoxifen on peroxidase activity in the immature rat uterus. Vass MA, et al. **J Steroid Biochem** 1982 Jan;16(1):125–7

ANALYSIS

Determination of tamoxifen and biologically active metabolites in human breast tumours and plasma. Daniel P, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1183–9

BLOOD

Clinical pharmacology of tamoxifen in patients with breast cancer: correlation with clinical data. Fabian C, et al. **Cancer** 1981 Aug 15;48(4):876–82

Serum concentrations of tamoxifen and major metabolite during long–term nolvadex therapy, correlated with clinical response. Patterson JS, et al. **Eur J Cancer** 1980; Suppl 1:89–92

METABOLISM

The distribution and metabolism of 14C–labelled tamoxifen in spayed female mice. Wilking N, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar;50(3):161–8

Comparative binding affinities of tamoxifen, 4–hydroxytamoxifen, and desmethyltamoxifen for estrogen receptors isolated from human breast carcinoma: correlation with blood levels in patients with metastatic breast cancer. Fabian C, et al. **Biopharm Drug Dispos** 1981 Oct–Dec;2(4):381–90

Tamoxifen and metabolites in MCF7 cells: correlation between binding to estrogen receptor and inhibition of cell growth. Coezy E, et al. **Cancer Res** 1982 Jan;42(1):317–23

Heterogeneity of binding sites for tamoxifen and tamoxifen derivatives in estrogen target and nontarget fetal organs of guinea pig. Gulino A, et al. **Cancer Res** 1982 May; 42(5):1913–21

A high–affinity binding site for the antioestrogens, tamoxifen and CI 628, in immature rat uterine cytosol which is distinct from the oestrogen receptor. Murphy LC, et al. **J Endocrinol** 1981 Oct;91(1):155–61

[Tamoxifen induced fluorescence as a marker of hormone receptors: cytological study of fine needle biopsy of malignant breast tumors in treated women] Mouriquand J, et al. **C R Seances Acad Sci [III]** 1981 Dec 21; 293(15):801–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of the antioestrogen tamoxifen on steroid induced morphological and biochemical changes in the castrated dog prostate. Funke PJ, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):462–72

Effects of tamoxifen, medroxyprogesterone acetate, and their combination on human endometrial estrogen and progestin receptor concentrations, 17 beta–hydroxysteroid dehydrogenase activity, and serum hormone concentrations. Kokko E, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):382–8

The effect of tamoxifen on spermatogenesis in subfertile men. Traub AI, et al. **Andrologia** 1981 Sep–Oct;13(5):486–90

Dephosphorylation of oestradiol nuclear receptor in vitro. A hypothesis on the mechanism of action of non–steroidal anti–oestrogens. Auricchio F, et al. **Biochem J** 1981 Sep 15;198(3):699–702

Inhibition by tamoxifen of estrogen–stimulated accumulation of preprolactin messenger ribonucleic acid. Spona J, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):45–54

Combined effects of progesterone and tamoxifen in the chick oviduct. Binart N, et al. **Endocrinology** 1982 Jul;111(1):7–16

A comparison of the effects of oestrogen and tamoxifen on the synthesis of uterine high molecular mass RNA. Waters AP, et al. **FEBS Lett** 1981 Jun 29;129(1):17–20

Hypothalamic, pituitary and uterine cytoplasmic and nuclear oestrogen receptors and their relationship to the serum concentration of tamoxifen and its metabolite, 4–hydroxytamoxifen, in the ovariectomized rat. Bowman SP, et al. **J Endocrinol** 1982 Aug;94(2):167–75

Tamoxifen effects on mammary gland morphology and ovarian activity in Macaca fascicularis. Lee AE, et al. **J Med Primatol** 1981;10(2–3):102–9

The regulation of progesterone receptor by 17 beta estradiol and tamoxifen in the Zr–75–1 human breast cancer cell line in defined medium. Allegra JC, et al. **J Recept Res** 1981;2(1):17–27

Effects of the aromatase inhibitor 1,4,6–androstatriene–3,17–dione and the anti–oestrogen tamoxifen on rat testicular function. Donaldson MD, et al. **J Steroid Biochem** 1981 Sep;14(9):823–8

Tamoxifen antiestrogens. A comparison of the activity, pharmacokinetics, and metabolic activation of the cis and trans isomers of tamoxifen. Robertson DW, et al. **J Steroid Biochem** 1982 Jan;16(1):1–13

Effects of hydroxytamoxifen and tamoxifen on peroxidase activity in the immature rat uterus. Vass MA, et al. **J Steroid Biochem** 1982 Jan;16(1):125–7

Tamoxifen inhibits Leydig cell steroidogenesis: in vivo and in vitro studies. Lin T, et al. **Metabolism** 1982 Jun; 31(6):543–7

2–bromo–alpha–ergocryptine (CB–154) and tamoxifen (ICI 46,474) induced suppression of the genesis of mammary carcinomas in female rats treated with 7,12–dimethylbenzanthracene (DMBA): a comparison. Welsch CW, et al. **Oncology** 1982 Mar–Apr;39(2):88–92

[Feminization of embryonic chicken testicle by diethylstilbestrol and antagonistic action of tamoxifen] Samsel J, et al. **Biochimie** 1982 May;64(5):369–76 (Eng. Abstr.) **(Fre)**

[Changes in the female gonads of the chick embryo after tamoxifen] Salzgeber B, et al. **C R Seances Acad Sci [III]** 1981 Sep 21;293(2):133–8 (Eng. Abstr.) **(Fre)**

[Inhibitory effects of tamoxifen on the normal differentiation of the female gonads of the quail embryo] Scheib D, et al. **C R Seances Acad Sci [III]** 1981 Nov 9;293(9):513–8 (Eng. Abstr.) **(Fre)**

[Tamoxifen antagonizes the feminizing effect of androgens in the chick embryo] Weniger JP, et al. **C R Seances Acad Sci [III]** 1981 Nov 2;293(8):451–2 (Eng. Abstr.) **(Fre)**

[Autoradiographic study of hormonal regulation of proliferating golden hamster uterus cells during postnatal ontogeny] Loktionov AS, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):359–61 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Endometrial carcinoma insensitive to progestin and cytotoxic chemotherapy may respond to tamoxifen. Kauppila A, et al. **Acta Obstet Gynecol Scand** 1981;60(6):589–90

Randomized clinical trial of megestrol acetate versus tamoxifen in paramenopausal or castrated women with advanced breast cancer. Ingle JN, et al. **Am J Clin Oncol** 1982 Apr;5(2):155–60

A phase II study Nolvadex: tamoxifen citrate in the treatment of advanced prostatic adenocarcinoma. Spremulli E, et al. **Am J Clin Oncol** 1982 Apr;5(2):149–53

Tamoxifen and carcinoid tumor [letter] Myers CF, et al. **Ann Intern Med** 1982 Mar;96(3):383

Tamoxifen and aminoglutethimide in the management of patients with advanced endometrial carcinoma not responsive to medroxyprogesterone. Quinn MA, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):226–9

Tamoxifen, aminoglutethimide and danazol: effect of therapy on hormones in post–menopausal patients with breast cancer. Coombes RC, et al. **Br J Cancer** 1982 Jul;46(1):30–4

Adjuvant tamoxifen therapy for early breast cancer: an experimental study with reference to oestrogen and progesterone receptors. Wilson AJ, et al. **Br J Surg** 1982 Mar;69(3):121–5

Tamoxifen–induced tumour regression associated with dermatomyositis. Harris AL, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1674–5

Tamoxifen as initial sole treatment of localised breast cancer in elderly women: a pilot study. Preece PE, et al. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):869–70

Tamoxifen versus aminoglutethimide in advanced breast carcinoma: a randomized cross–over trial. Smith IE, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1432–4

Symposium on the management of early breast cancer (stages I and II). Part II: Clinical experience with treatment methods. 5. Adjuvant endocrine therapy. Palshof T. **Can J Surg** 1981 Jul;24(4):379–84 (48 ref.)

Phase II trial of tamoxifen in metastatic carcinoma of the prostate. Glick JH, et al. **Cancer** 1982 Apr 1;49(7):1367–72

Androgen–induced remissions after antiestrogen and hypophysectomy in stage IV breast cancer. Manni A, et al. **Cancer** 1981 Dec 1;48(11):2507–9

Aminoglutethimide after tamoxifen therapy in advanced breast cancer: M. D. Anderson Hospital experience. Buzdar AU, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3448s–3450s

Cross–over comparison of tamoxifen and aminoglutethimide in advanced breast cancer. Harvey HA, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3451s–3453s

Randomized trial of aminoglutethimide versus tamoxifen in metastatic breast cancer. Lipton A, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3434s-3436s

Aminoglutethimide in tamoxifen-resistant patients: The Melbourne Experience. Murray RM, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3437s-3441s

Antiestrogen treatment of breast cancer: an overview. Pearson OH, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3424s-3429s

Tamoxifen versus aminoglutethimide versus combined tamoxifen and aminoglutethimide in the treatment of advanced breast carcinoma. Smith IE, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3430s-3433s

Tamoxifen-induced regression of cerebral metastases in breast carcinoma. Carey RW, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):793-5

Phase II trial of tamoxifen in malignant melanoma. Leichman CG, et al. **Cancer Treat Rep** 1982 Jun;66(6):1447

Phase II study of tamoxifen in patients with metastatic malignant melanoma. Telhaug R, et al. **Cancer Treat Rep** 1982 Jun;66(6):1437

Hormono-chemotherapy versus hormonotherapy followed by chemotherapy in the treatment of disseminated breast cancer. Cavalli F, et al. **Eur J Cancer** 1980;Suppl 1:125-9

Alternating cyclical hormonal-cytotoxic combination chemotherapy in postmenopausal patients with breast cancer. An EORTC trial. Heuson JC, et al. **Eur J Cancer** 1980;Suppl 1:113-7

Steroid hormone receptors in mammary carcinoma: the effect of tamoxifen. Koenders AJ, et al. **Eur J Cancer** 1980;Suppl 1:63-6

Therapeutic effect of tamoxifen versus combined tamoxifen and diethylstilboestrol in advanced breast cancer in postmenopausal women. Mouridsen HT, et al. **Eur J Cancer** 1980;Suppl 1:107-10

CMF versus CMF plus tamoxifen in advanced breast cancer in postmenopausal women. An EORTC trial. Mouridsen HT, et al. **Eur J Cancer** 1980;Suppl 1:119-23

Adjuvant endocrine therapy of primary operable breast cancer. Report on the Copenhagen breast cancer trials. Palshof T, et al. **Eur J Cancer** 1980;Suppl 1:183-7

Hormone therapy in advanced breast cancer: high dose medroxyprogesterone acetate (MAP) vs tamoxifen (TMX). Preliminary results. Pannuti F, et al. **Eur J Cancer** 1980; Suppl 1:93-8

The tamoxifen trial - a double-blind comparison with stilboestrol in postmenopausal women with advanced breast cancer. Stewart HJ, et al. **Eur J Cancer** 1980;Suppl 1:83-8

Peroxidase activity in mammary tumors - effect of tamoxifen. Levy J, et al. **Eur J Cancer Clin Oncol** 1981 Sep; 17(9):1023-6

Effect of an estrogen antagonist (tamoxifen) on the initiation and progression of gamma-irradiation-induced mammary tumors in female Sprague-Dawley rats. Welsch CW, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1255-8

Tamoxifen in the therapy of post-menopausal endometrial cancer: variations in some hormonal parameters. Marchesoni D, et al. **Eur J Gynaec Oncol** 1980 May; 1(2):116-21

Tamoxifen in the treatment of infertility associated with luteal phase deficiency. Fukushima T, et al. **Fertil Steril** 1982 Jun;37(6):755-61

A comparative study of the estrogenic effects of tamoxifen and 17 beta-estradiol in postmenopausal women. Helgason S, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):404-8

Tamoxifen encouraging for breast cancer [news] Korcok M. **JAMA** 1981 Oct 23-30;246(17):1872

Quantitative oestradiol receptor values in primary breast cancer and response of metastases to endocrine therapy. Campbell FC, et al. **Lancet** 1981 Dec 12;2(8259):1317-9

Chemotherapy and tamoxifen for breast cancer [letter] **N Engl J Med** 1981 Oct 22;305(17):1014-5

Tamoxifen before orchiectomy for breast cancer in men [letter] Abele R, et al. **N Engl J Med** 1981 Oct 29; 305(18):1091-2

Tamoxifen for lymphangioleiomyomatosis [letter] Tomasian A, et al. **N Engl J Med** 1982 Mar 25;306(12):745-6

Effect of tamoxifen administration on prolactin release by invasive prolactin-secreting pituitary adenomas. Lamberts SW, et al. **Neuroendocrinology** 1982;34(5):339-42

Tamoxifen therapy in postmenopausal advanced breast cancer: efficacy at the primary tumor site in 46 evaluable patients. Veronesi A, et al. **Tumori** 1981 May-Jun; 67(3):235-8

[Effectiveness of Nolvadex in the treatment of advanced breast cancer in the menopause] Serkies K, et al. **Pol Tyg Lek** 1981 Jul 20;36(29):1111-3 (Eng. Abstr.) **(Pol)**

TOXICITY

Neonatal stimulation of the uterus by clomiphene, tamoxifen and nafoxidine: relationship to the development of reproductive tract abnormalities. Clark JH, et al. **Adv Exp Med Biol** 1981;138:87-98

The anti-implantation action of tamoxifen in mice. Pugh DM, et al. **Arch Toxicol [Suppl]** 1982;5:209-13

Tamoxifen-induced generalized lipidosis in rats subchronically treated with high doses. Lüllmann H, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):138-46

TAMPONS

Treatment of mandibular bone haemangioma by biological plastic tamponade in children. Kolesov AA, et al. **Acta Chir Plast (Prague)** 1981;23(4):202-5

Toxic shock syndrome occurring in the luteal phase of the menstrual cycle. Podlas J, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):225-7

Toxic shock syndrome: an ecologic imbalance within the genital microflora of women? Sanders CC, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):977-82

Use of Teflon pledgets in esophageal anastomoses. Zilberstein B, et al. **Am J Surg** 1982 Sep;144(3):374-5

A combined oropharyngeal airway and dental pack. Green RA, et al. **Anaesthesia** 1981 Sep;36(9):889-91

A pharyngeal pack fixed on to the tracheal tube. Scheck PA. **Anaesthesia** 1981 Sep;36(9):892-5

Psychological correlates of tampon use in adolescents. Brooks-Gunn J, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):962-5

In-vitro studies of interactions between tampons and Staphylococcus aureus. Broome CV, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):959-62

Predictors of tampon use in adolescents after media coverage of toxic shock syndrome. Irwin CE Jr, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):966-8

Effects of tampon components on growth and dissemination of Neisseria gonorrhoeae. Arko RJ, et al. **Br J Vener Dis** 1982 Apr;58(2):105-8

Double-blind evaluation of miconazole tampons, compared with clotrimazole vaginal tablets, in vaginal candidiasis. Lolis D, et al. **Clin Ther** 1981;4(3):212-6

Recurrent febrile shock in an adolescent girl. Kohl S. **Hosp Pract** 1982 Feb;17(2):32A, 32D, 32H

Swabs and swab-transport media kits in the isolation of upper respiratory bacteria. Ross PW, et al. **J Clin Pathol** 1982 Feb;35(2):223-7

Recovery of cytomegalovirus and Chlamydia trachomatis from vaginal tampons. Larew MS, et al. **J Med Virol** 1982; 9(1):37-42

Toxic shock syndrome shared between couple [news] **JAMA** 1981 Oct 16;246(16):1763

Toxic shock and tampons. Evaluation of the epidemiologic evidence. Harvey M, et al. **JAMA** 1982 Aug 20; 248(7):840-6

Risk factors for development of toxic shock syndrome. Association with a tampon brand. Schlech WF 3d, et al. **JAMA** 1982 Aug 20;248(7):835-9

Microbial degradation of carboxymethylcellulose from tampons [letter] Hanna BA. **Lancet** 1982 Jan 30;1(8266):279

Collagen sponge in gynecologic use. Chvapil M, et al. **Obstet Gynecol Annu** 1981;10:363-73 (27 ref.)

Fogarty catheter tamponade of ruptured abdominal aortic aneurysms. Hyde GL, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):197-9

A new educational responsibility: toxic-shock syndrome. Brame JB, et al. **Tex Med** 1982 Mar;78(3):49

Observations during the treatment with antithrombin-III concentrate of a case of a tampon-related toxic shock syndrome and disseminated intravascular coagulation. Discrepancies between functional and immunologic determinations of antithrombin. Jespersen J, et al. **Thromb Res** 1982 Jun 15;26(6):457-62

[Toxic shock syndrome in menstruating women] Rutanen EM, et al. **Duodecim** 1981;97(10):678-82 (Eng. Abstr.) **(Fin)**

ADVERSE EFFECTS

Tampon-related toxic-shock syndrome. Histopathologic and clinical findings in a fatal case. Blair JD, et al. **Am J Clin Pathol** 1982 Sep;78(3):372-6

Risk factors for staphylococcal toxic-shock syndrome. Kehrberg MW, et al. **Am J Epidemiol** 1981 Dec; 114(6):873-9

The effect of menses and use of catamenial products on cervical carriage of Staphylococcus aureus. Noble VS, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):186-9

Emerging patterns of tampon use in the adolescent female: the impact of toxic shock syndrome. Irwin CE Jr, et al. **Am J Public Health** 1982 May;72(5):464-7

Toxic shock syndrome in Canada. Clayton AJ. **Ann Intern Med** 1982 Jun;96(6 Pt 2):881-2

Toxic shock syndrome in Oregon: epidemiologic findings. Helgerson SD, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):909-11

Toxic shock syndrome in Utah: a case-control and surveillance study. Latham RH, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):906-8

Toxic shock syndrome: relation to catamenial products, personal health and hygiene, and sexual practices. Osterholm MT, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):954-8

Toxic shock syndrome: case-control studies at the Centers for Disease Control. Shands KN, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):895-8

Toxic shock syndrome in Canada. Clayton AJ, et al. **Can Med Assoc J** 1982 Apr 1;126(7):776-9 (15 ref.)

Tampon effects on vaginal health. Friedrich EG Jr. **Clin Obstet Gynecol** 1981 Jun;24(2):395-406

Tampon use as a cause of recurrent cholestatic jaundice [letter] Verncau A, et al. **Gastroenterology** 1982 Aug; 83(2):523-4

Tri-state toxic-shock syndrome study. II. Clinical and laboratory findings. Davis JP, et al. **J Infect Dis** 1982 Apr; 145(4):441-8

Tri-state toxic-state syndrome study. I. Epidemiologic findings. Osterholm MT, et al. **J Infect Dis** 1982 Apr; 145(4):431-40

Tampon leachable substances: acute toxicity. Autian J, et al. **J Pharm Sci** 1982 May;71(5):598-9

Tampon absorbency may 'culture' bacteria [news] Baer K. **JAMA** 1982 May 7;247(17):2339

Tampons and toxic shock syndrome [editorial] Hulka BS. **JAMA** 1982 Aug 20;248(7):872-4

Possible tampon-associated toxic shock syndrome in a man [letter] **Tack KJ. Lancet** 1981 Dec 12;2(8259):1354

Cellulase activity of microorganisms on carboxymethylcellulose from tampons [letter] Tierno PM Jr. **Lancet** 1981 Oct 3;2(8249):746-7

Toxic shock syndrome: current status and future prospects. Tofte RW, et al. **Minn Med** 1981 Aug;64(8):463-7 (17 ref.)

Staphylococcal toxic shock: two fulminant cases with recovery. Scobie BA. **NZ Med J** 1982 Mar 10; 95(703):145-7

Tampon-induced injuries. Gray MJ, et al. **Obstet Gynecol** 1981 Nov;58(5):667-8

Use of 'Super-plus' tampons discouraged [news] Sun M. **Science** 1982 Jun 18;216(4552):1300

Tampon associated toxic shock syndrome [letter] MacIntyre J, et al. **Scott Med J** 1982 Apr;27(2):200

[The toxic shock syndrome and vaginal tampons] Kristensen M, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1472-3 (Eng. Abstr.) **(Dan)**

[Toxic shock syndrome] Milman N. **Ugeskr Laeger** 1982 Jan 25;144(4):219-20 **(Dan)**

[The toxic shock syndrome] Ovesen L, et al. **Ugeskr Laeger** 1981 Jun 1;143(23):1471-2 **(Dan)**

[Toxic shock syndrome] Stalder H, et al. **Schweiz Med Wochenschr** 1981 Sep 19;111(38):1382-6 (Eng. Abstr.) **(Ger)**

[A case report of toxic shock syndrome treated in Vefsn hospital] Raknes I. **Tidsskr Nor Laegeforen** 1981 Sep 10; 101(25):1396-7 (Eng. Abstr.) **(Nor)**

[Toxic shock syndrome and staphylococcal scarlet fever] Tjønndal H, et al. **Tidsskr Nor Laegeforen** 1982 Jan 10; 102(1):12-3 (Eng. Abstr.) **(Nor)**

STANDARDS

Preventing tampon-associated toxic shock [letter] Shelley WB. **Lancet** 1982 Jan 23;1(8265):221

UTILIZATION

Survey of tampon use and toxic shock syndrome, Tennessee, 1979 to 1981. Gustafson TL, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):369-74

TANGIER DISEASE see under **HYPOLIPOPROTEiNEMIA**

TANNIC ACID see under **TANNINS**

TANNING

A twin study of skin reflectance. Clark P, et al. **Ann Hum Biol** 1981 Nov-Dec;8(6):529-41

Health hazards in the leather and shoe-making industries [letter] Randell RA. **Br Med J [Clin Res]** 1982 Feb 6; 284(6313):416

Chronic shoe dermatitis from chromium tanned leather. Farkas J. **Contact Dermatitis** 1982 Mar;8(2):140

[Erythrocyte tanning and the characteristics of protein sensitins] Karal'nik BV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):91-5 **(Rus)**

TANNINS

The use of glutaraldehyde and tannic acid to preserve reconstituted collagen for electron microscopy. Meek KM. **Histochemistry** 1981;73(1):115-20

Precipitation of thiamine and tannic acid by calcium and magnesium cations. Kajadphai A, et al. **Int J Vitam Nutr Res** 1982;52(1):102-3

[Effects of the interaction of tannins with Co-existing substances. I. Inhibitory effects of tannins on cupric ion-catalyzed autoxidation of ascorbic acid (author's transl)] Yoshida T, et al. **Yakugaku Zasshi** 1981 Aug; 101(8):695-9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Tannin content of foods commonly consumed in India and its influence on ionisable iron. Narasinga Rao BS, et al. **J Sci Food Agric** 1982 Jan;33(1):89-96

DIAGNOSTIC USE

Tannic acid staining of 'microtubules' in venom-secreting cells of a stingray. Smith DS, et al. **Toxicon** 1981; 19(6):737-42

METABOLISM

Reactions between phosphorylated thiamines and tannic acid as followed by difference spectroscopy. Panijpan B, et al.

Int J Vitam Nutr Res 1981;51(4):380–4
Nutrient digestibility and performance of pigs fed sorghums varying in tannin concentration. Cousins BW, et al. **J Anim Sci** 1981 Dec;53(6):1524–37

PHARMACODYNAMICS

Tannic acid–induced biochemical changes in the liver of two teleost fishes, Clarias batrachus and Ophiocephalus punctatus. Goel BB, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):418–23
Effect of tea consumption on the levels of alpha-ketoglutarate and pyruvate dehydrogenase in rat brain. Ruenwongsa P, et al. **Experientia** 1982 Jul 15; 38(7):787–8
The effect of tannic acid on the preservation of tissue culture cells for scanning electron microscopy. Katsumoto T, et al. **J Electron Microsc (Tokyo)** 1981;30(3):177–82
The use of tannic acid fixation for the electron microscope visualization of fluorochrome-labelled antibodies attached to cell surface antigens. Roholl PJ, et al. **J Immunol Methods** 1981;42(3):285–9
Tannic acid–glutaraldehyde fixative and pleomorphic adenomas of the salivary gland: an ultrastructural study. David R, et al. **J Oral Pathol** 1982 Feb;11(1):26–38
Iron staining of the acquired enamel pellicle after exposure to tannic acid or chlorhexidine: preliminary report. Nordbö H, et al. **Scand J Dent Res** 1982 Apr;90(2):117–23
[Effect of galascorbin on activity of lactate and malate dehydrogenases and their isoenzymic spectrum in experimental pyelonephritis] Chebotareva VD, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):93–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of Novikov's antiseptic fluid as a biological dressing in hearing-restoring operations] Gol'dman II. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):69 **(Rus)**

TANTALUM

Miniature implantable tantalum/tantalum oxide stimulating electrodes. Lerner H, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):290–2
The specific gamma-ray constant and exposure rate constant of 182Ta. Glasgow GP, et al. **Med Phys** 1982 Mar–Apr; 9(2):250–3

DIAGNOSTIC USE

Calculation of left ventricular volume using implanted tantalum markers: a method reproducible despite rotation of the heart. Davis PL, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):7–13
Rapid assessment of ventricular function in acute volume overload using opaque myocardial markers. Santamore WP, et al. **Cathet Cardiovasc Diagn** 1982;8(3):311–7
[Insufflation bronchography with tantalum. Experimental and clinical investigations (author's transl)] Szmigielski W, et al. **Pol Przegl Radiol** 1981 Jul–Sep;45(4):207–11 (Eng. Abstr.) **(Pol)**

TAPE RECORDING

Ambulatory EEG monitoring with a 24 hour cassette recorder in epileptic patients. Bruens JH, et al. **Monogr Neural Sci** 1981;5:295–7
Relaxation training tapes: preferences and effects of gender and background. Nathan RG, et al. **Percept Mot Skills** 1981 Dec;53(3):927–34
[Phonography of voluntary cough under pathological conditions (author's transl)] Korpáš J, et al. **Bratisl Lek Listy** 1982 May;77(5):534–43 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Continuous tape-recording of ambulatory blood pressure. Technical considerations. Millar-Craig MW, et al. **Biotelem Patient Monit** 1981;8(1–2):56–66
Modification of a standard quarter-track open reel tape recorder for half-track master recordings with added facility for 1 kHz pulses. Gilson CC, et al. **J Audiov Media Med** 1981 Oct;4(4):144–5
[Priz-2M attachment for automatic tape recording of medical documentation in a central district hospital] Vorob'ev AF, et al. **Med Tekh** 1981 Nov–Dec;(6):55–7 **(Rus)**

TAPE RECORDING, VIDEO see **VIDEOTAPE RECORDING**

TAPEWORM INFECTION see **CESTODE INFECTIONS**

TAPEWORMS see **CESTODA**

TARICHA see **SALAMANDRIDAE**

TARICHATOXIN see **TETRODOTOXIN**

TARS

Mayonnaise and hot tar burns. Shea PC Jr, et al. **J Med Assoc Ga** 1981 Sep;70(9):659–60
Treatment of bitumen burns [letter] Pruitt BA Jr, et al. **JAMA** 1982 Mar 19;247(11):1565
[Tar burns. Etiology and treatment illustrated by the follow-up examination of 45 victims] Juhl M, et al. **Ugeskr Laeger** 1981 Feb 9;143(7):435–8 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Treatment of hot tar burns. Bose B, et al. **Can Med Assoc J** 1982 Jul 1;127(1):21–2
[Exposure to tobacco tars and risk of lung cancer in smokers] Vutuc C. **Fortschr Med** 1982 Jan 28;100(4):109, 112–3 (Eng. Abstr.) **(Ger)**

ANALYSIS

A color-matching technique for monitoring tar/nicotine yields to smokers. Kozlowski LT, et al. **Am J Public Health** 1982 Jun;72(6):597–9
Effect of cigarette tar content and smoking habits on respiratory symptoms in women. Schenker MB, et al. **Am Rev Respir Dis** 1982 Jun;125(6):684–90
Would a medium-nicotine, low-tar cigarette be less hazardous to health? Stepney R. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1292–6
Analysis of environmental and tar samples from the nearshore south Texas area after oiling from the Ixtoc-1 blowout. Bedinger CA Jr, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):166–71
Changes in the tar, nicotine and carbon monoxide yields of cigarettes sold in the United Kingdom. Fairweather FA, et al. **Health Bull (Edinb)** 1981 Nov;39(6):367–76
Peptic ulcer disease and the tar and nicotine yield of currently smoked cigarettes. Petitti DB, et al. **J Chronic Dis** 1982; 35(7):503–7

PHARMACODYNAMICS

[Phenols, other components of oil share tars and asbestos as factors of modifying the action of benzo(a)-pyrene (author's transl)] Bogovski P, et al. **Arch Geschwulstforsch** 1982;52(1):49–55 (Eng. Abstr.) **(Ger)**

TOXICITY

A survey of pathological changes associated with long-term high tar tobacco smoke exposure in a murine model. Keast D, et al. **J Pathol** 1981 Dec;135(4):249–57
Epithelial lesions induced by alpha particles and cigarette smoke condensates in organotypic culture of human bronchus. Morais R, et al. **Recent Results Cancer Res** 1982; 82:21–31

TARSAL BONES

Solitary bony metastasis to the foot with long survival following amputation. Ghandur-Mnaymneh L, et al. **Clin Orthop** 1982 Jun;(166):117–20
Köhler's disease of the tarsal navicular. Williams GA, et al. **Clin Orthop** 1981 Jul–Aug;(158):53–8
Naviculo-cuneiform coalition: a case report. Miki T, et al. **J Foot Surg** 1979 Summer;18(2):81–2
[Case of a severe form of diabetic osteoarthropathy] Sidel'nikova MV, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):29–31 **(Rus)**

ABNORMALITIES

The bipartite tarsal scaphoid. Wiley JJ, et al. **J Bone Joint Surg [Br]** 1981;63B(4):583–6
The symptomatic accessory navicular bone. Strayhorn G, et al. **J Fam Pract** 1982 Jul;15(1):59–64 (12 ref.)
Tarsal coalitions: an instructional review. Jacobs AM, et al. **J Foot Surg** 1981 Winter;20(4):214–21 (49 ref.)
[Radiological study of the accessory skeletal elements in the foot and ankle (author's transl)] Tsuruta T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Apr;55(4):357–70 (Eng. Abstr.) **(Jpn)**
[Rare anomaly of the tarsal bones] Aliev AB. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):73–6 **(Rus)**

ANATOMY & HISTOLOGY

The relationship of tarsal coalitions to ankle sprains in athletes. Snyder RB, et al. **Am J Sports Med** 1981 Sep–Oct; 9(5):313–7

INJURIES

Irreducible tarsometatarsal fracture-dislocation. Engber WD, et al. **Clin Orthop** 1982 Aug;(168):102–4
Management of slab fractures of the third tarsal bone in 5 horses. Lindsay WA, et al. **Equine Vet J** 1982 Jan; 14(1):55–8
Lisfranc's fracture-dislocation with intercuneiform dislocation: presentation of two cases an a plan for treatment. Cain PR, et al. **Foot Ankle** 1981 Nov;2(3):156–60
Dislocation of the intermediate cuneiform bone. McGlinchey JJ. **Injury** 1981 May;12(6):501–2
Subtalar dislocation of the foot. DeLee JC, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):433–7
Stress fractures of the tarsal navicular. A retrospective review of twenty-one cases. Torg JS, et al. **J Bone Joint Surg [Am]** 1982 Jun;64(5):700–12
Case report 183: dislocation of the cuboid bone without fracture. Fagel VL, et al. **Skeletal Radiol** 1982 Jan; 7(4):287–8
[Fractures and dislocation fractures of os calcis, tarsi, metatarsi, and hallux (author's transl)] Jahna H. **Langenbecks Arch Chir** 1981;355:427–33 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Osteoarthritis of the tarsal bones of the foot. Roth A, et al. **J Am Podiatry Assoc** 1982 May;72(5):244–7

RADIOGRAPHY

Computed tomography and bone scintigraphy in the evaluation of tarsal coalition. Deutsch AL, et al. **Radiology** 1982 Jul;144(1):137–40
Case report 178: Gout affecting the tarsal and metatarsal bones of the left foot and right hand. Lacey PG, et al. **Skeletal Radiol** 1981;7(3):225–7

RADIONUCLIDE IMAGING

[Sympathetic reflex dystrophy with hypofixation of technetium 99 m pyrophosphates on bone scintigraphy (author's transl)] Doury P, et al. **Sem Hop Paris** 1981 Sep 8–15;57(29–32):1325–7 (Eng. Abstr.) **(Fre)**

SURGERY

Surgical reconstruction for calcaneonavicular coalition. Evaluation of function and gait. Chambers RB, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):829–36

TARSAL JOINT

The early complications of subtalar dislocation. Mac SS, et al. **Foot Ankle** 1981 Mar;1(5):270–4
The sinus tarsi syndrome. Taillard W, et al. **Int Orthop** 1981; 5(2):117–30
Mid-foot disassociation in rheumatoid arthritis. Pastershank SP. **J Can Assoc Radiol** 1981 Sep;32(3):166–7

ANATOMY & HISTOLOGY

Talonavicular joint surface anatomy and prototype resurfacing prostheses. Daniels AU, et al. **Foot Ankle** 1981 Jul;2(1):5–14
[Ligament systems of talocrural and intertarsal joints in man] Schmidt HM, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(6):792–831 (Eng. Abstr.) **(Ger)**

INJURIES

Pediatric Lisfranc injury: 'bunk bed' fracture. Johnson GF. **AJR** 1981 Nov;137(5):1041–4
Subtleties of Lisfranc fracture-dislocations. Norfray JF, et al. **AJR** 1981 Dec;137(6):1151–6
Long-term prognosis of tarsal dislocations. Mestdagh H, et al. **Arch Orthop Trauma Surg** 1982;99(3):153–9
Lisfranc's fracture-dislocation with intercuneiform dislocation: presentation of two cases an a plan for treatment. Cain PR, et al. **Foot Ankle** 1981 Nov;2(3):156–60
Lisfranc's joint dislocation: a review and case report. Cook JM, et al. **J Am Podiatry Assoc** 1981 Nov;71(11):611–7
Injuries to the tarsometatarsal joint. Incidence, classification and treatment. Hardcastle PH, et al. **J Bone Joint Surg [Br]** 1982;64(3):349–56
Tarso-metatarsal joint injuries in children. Wiley JJ. **J Pediatr Orthop** 1981;1(3):255–60
Irreducible tarsometatarsal fracture-dislocation. Blair WF. **J Trauma** 1981 Nov;21(11):988–90
[Injuries in the Lisfranc joint (author's transl)] Maerschalk P. **Unfallchirurgie** 1982 Apr;8(2):112–24 (Eng. Abstr.) **(Ger)**

INNERVATION

The intermetatarsal nerve: a microscopic evaluation. Graham CE, et al. **Foot Ankle** 1981 Nov;2(3):150–2

PHYSIOPATHOLOGY

[Electrogoniometric studies of the knee and foot movements in children during walking after surgical treatment of clubfoot] Marciniak W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(5):453–7 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Reverse buckling to reduce metatarsus primus varus: a preliminary investigation. Fenton CF 3d, et al. **J Am Podiatry Assoc** 1982 Jul;72(7):342–6
Diagnosis of subtalar joint coalition. Schlefman BS, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):166–70
Tarsal pseudo-coalition [letter] Azouz EM. **J Can Assoc Radiol** 1982 Jun;33(2):105
Computed tomography and bone scintigraphy in the evaluation of tarsal coalition. Deutsch AL, et al. **Radiology** 1982 Jul;144(1):137–40

SURGERY

Pantalar arthrodesis: a long-term follow-up. Barrett GR, et al. **Foot Ankle** 1981 Mar;1(5):279–83
Arthroereisis update. Lanham RH Jr. **J Am Podiatry Assoc** 1981 Dec;71(12):693–4

['Extended' arthrolysis of the tibio-tarsal articulation (author's transl)] Evrard J, et al. **Int Orthop** 1981;5(3):183–8 (Eng. Abstr.) **(Fre)**

TARSAL TUNNEL SYNDROME

DIAGNOSIS

Standardized technique for diagnosis of tarsal tunnel syndrome. Irani KD, et al. **Am J Phys Med** 1982 Feb; 61(1):26–31

ETIOLOGY

Neurilemoma (schwannoma) as a cause of tarsal tunnel syndrome. Case report and review. Dowling GL, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):45–8

Postoperative tarsal tunnel syndrome: case presentation and discussion. Naito J, et al. **J Foot Surg** 1980 Summer; 19(2):85–7

Prevalence of the tarsal tunnel syndrome in rheumatoid arthritis. Baylan SP, et al. **Rheumatol Rehabil** 1981 Aug; 20(3):148–50

[A case of tarsal tunnel syndrome caused by neurinoma of the medial plantar nerve] Sanguinetti C, et al. **Arch Putti Chir Organi Mov** 1981;31:421–3 **(Ita)**

SURGERY

The tarsal tunnel syndrome in children. Albrektsson B, et al. **J Bone Joint Surg [Br]** 1982;64(2):215–7

TARSIIDAE see **PROSIMII**

TARSIUS see **PROSIMII**

TARSUS, ANIMAL see under **HINDLIMB**

TARTRATES

ADVERSE EFFECTS

[Toxicoallergic reaction to bismoverol] Anchupane IS, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):63–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

NMR spectroscopy of dental materials. II. The role of tartaric acid in glass–ionomer cements. Prosser HJ, et al. **J Biomed Mater Res** 1982 Jul;16(4):431–45

DIAGNOSTIC USE

[Use of the tartaric acid reaction for the presence of sperm in the forensic medical study of material evidence] Zaretskaia EF, et al. **Sud Med Ekspert** 1981 Oct–Dec; 24(4):35–6 **(Rus)**

METABOLISM

Existence of tartrate–resistant acid phosphatase activity in differentiated lymphoid leukemic cells. Usui T, et al. **Am J Hematol** 1982 Feb;12(1):47–54

D-(−)-tartrate dehydratase of Rhodopseudomonas sphaeroides: purification, characterization, and application to enzymatic determination of D-(−)-tartrate. Rode H, et al. **J Bacteriol** 1982 Jun;150(3):1061–8

PHARMACODYNAMICS

Bone acid phosphatase: tartrate–resistant acid phosphatase as a marker of osteoclast function. Minkin C. **Calcif Tissue Int** 1982 May;34(3):285–90

Enzyme immunoassay for tartrate–resistant acid phosphatase. Lam KW, et al. **Clin Chem** 1982 Mar;28(3):467–70

[B-lymphosarcoma cell leukaemia (centroblastic type) with tartrate–sensitive acid phosphatase (isoenzyme 5) activity (author's transl)] Montserrat E, et al. **Sangre (Barc)** 1981; 26(4):504–7 (Eng. Abstr.) **(Spa)**

TOXICITY

Short–term toxicity study of metatartaric acid in rats. Ingram AJ, et al. **Food Chem Toxicol** 1982 Jun;20(3):253–7

TARTRAZINE see under **AZO COMPOUNDS**

TARTRONATES

PHARMACODYNAMICS

The disposition of citric acid cycle intermediates by isolated rat heart mitochondria. Hiltunen JK, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):115–21

TASK PERFORMANCE AND ANALYSIS

Feedback effects on target search and velocity extrapolation by mentally retarded and nonretarded adolescents. Holden EA Jr, et al. **Am J Ment Defic** 1982 Jan;86(4):414–20

A model for dental workload measurement. Parker WA, et al. **Am J Public Health** 1982 Sep;72(9):1022–7

Factors affecting an anaesthetist's work: some findings on vigilance and performance. Paget NS, et al. **Anaesth Intensive Care** 1981 Nov;9(4):359–65 (37 ref.)

Television computer games: a 'new look' in performance testing. Kennedy RS, et al. **Aviat Space Environ Med** 1982 Jan;53(1):49–53

Visual scanning behavior and mental workload in aircraft pilots. Tole JR, et al. **Aviat Space Environ Med** 1982 Jan; 53(1):54–61

Anticipatory cardiac deceleration prior to total body movement in grade school children. Stamps LE, et al. **Biol Psychol** 1981 Jun;12(4):305–12

Analysis of newborn intensive care by time–lapse photography. Tyson JE, et al. **Crit Care Med** 1981 Nov; 9(11):780–4

A four–year experience with GRASP. Part 2. Clayton A, et al. **Dimens Health Serv** 1981 Dec;58(12):24–6

Nursing workload: the busyness factor. Engwer L. **Dimens Health Serv** 1981 Nov;58(11):18–20

The management clinic: managing your time. Slattery S, et al. **Dimens Health Serv** 1982 Jun;59(6):36–8

Dissociation of alpha and theta activity as a function of verbal and visuospatial tasks. Rugg MD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb;53(2):201–7

External and internal attentional environments. I. The utilization of cardiac deceleratory and acceleratory response data for evaluating differences in mental workload between machine–paced and self–paced work. Sharit J, et al. **Ergonomics** 1982 Feb;25(2):107–20

Time management training for providers of special services. Maher CA. **Except Child** 1982 Apr;48(6):523–8

Assessing productivity in the laboratory. Holloway LA. **Hospitals** 1982 Aug 16;56(16):92–100

Performance effects of noise intensity, psychological set, and task type and complexity. Gawron VJ. **Hum Factors** 1982 Apr;24(2):225–43

The Aberdeen Formula as an illustration of the difficulty of determining nursing requirements. Gault AR. **Int J Nurs Stud** 1982;19(2):61–77

Characteristics of geriatric patients as related to nursing needs. Magid S, et al. **Int J Nurs Stud** 1981;18(2):97–106

The assessment of patients' need for nursing care on geriatric wards. Wade B, et al. **Int J Nurs Stud** 1981;18(4):261–71

Identification of clinical dietetic practitioners' time use for the provision of nutrition care. **J Am Diet Assoc** 1981 Dec; 79(6):708–15

Pharmacists' tasks, skills and attributes. Their professional importance and desirable teaching environment in the Australian state of Tasmania. Roberts MS, et al. **J Clin Hosp Pharm** 1981 Mar;6(1):11–25

Time–motion and cost comparison study of micro–ID, API 20E, and conventional biochemical testing in identification of Enterobacteriaceae. Bale MJ, et al. **J Clin Microbiol** 1981 Dec;14(6):665–70

Constructional strategies on complex figure drawings after unilateral brain damage. Binder LM. **J Clin Neuropsychol** 1982 May;4(1):51–8

Time – motion study in pediatric outpatient service. Ratanabanangkoon K, et al. **J Med Assoc Thai** 1982 Feb; 65(2):72–8

Point localisation in patients with unilateral brain damage. Tartaglione A, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):935–41

Comparison of interlaboratory survey date in terms of receiver operating characteristic (ROC) indices. Hermann GA, et al. **J Nucl Med** 1982 Jun;23(6):525–31

Job analysis: the basis of effective appraisal. Ignatavicius D, et al. **J Nurs Adm** 1982 Jul–Aug;12(7–8):37–41

Managing your own time: the most important management task. McCarthy MJ. **J Nurs Adm** 1981 Nov–Dec; 11(11–12):61–5

Environment in motion–HM ships at sea. Davies JW. **J R Nav Med Serv** 1981;67(3):131–7

The new challenges of personnel selection for rehabilitation and human services. Fraser RT, et al. **J Rehabil** 1981 Jul–Sep;47(3):62–7

SNP responds to research article: 'School nurse practitioners analysis of questionnaire and time/motion data' [letter] White DH. **J Sch Health** 1981 Nov;51(9):584

Effects of environmental enrichment upon maze performance in rats with microcephaly induced by prenatal X–irradiation. Kiyono S, et al. **Jpn J Physiol** 1981; 31(5):769–73

Measurement of task delegations among nurses by nominal group process analysis. Trivedi VM. **Med Care** 1982 Feb; 20(2):154–64

Relationship between simulated fire fighting tasks and physical performance measures. Davis PO, et al. **Med Sci Sports Exerc** 1982;14(1):65–71

Job enrichment and the mentally retarded worker. Morris JL, et al. **Ment Retard** 1981 Dec;19(6):290–4

Spatial abilities, sex differences and EEG functioning. Ray WJ, et al. **Neuropsychologia** 1981;19(5):719–22

Comparison of accelerod and rotarod sensitivity in detecting ethanol– and acrylamide–induced performance decrement in rats: review of experimental considerations of rotating rod systems. Bogo V, et al. **Neurotoxicology (Park Forest II)** 1981 Dec;2(4):765–87

Skin reflectance, iris pigmentation and information processing in children. Floyd HM, et al. **Physiol Behav** 1981 Aug; 27(2):255–9

A twin study of psychomotor performance during alcohol intoxication: early results. Martin NG, et al. **Prog Clin Biol Res** 1981;69 Pt C:89–96

Naloxone changes self–ratings but not performance in normal subjects. File SE, et al. **Psychopharmacology (Berlin)** 1981; 74(4):353–4

Sedative–hypnotics and human performance. Johnson LC, et al. **Psychopharmacology (Berlin)** 1982;76(2):101–13

Effects of method of subject selection (volunteer vs random) and treatment variable on motor performance. Arnett B, et al. **Res Q Exerc Sport** 1981 Dec;52(4):433–40

Contextual factors and age group differences in coincidence–anticipation performance. Haywood KM, et al. **Res Q Exerc Sport** 1981 Dec;52(4):458–64

The use of capacitive touch sensors for temporal measurements. McIntyre DR, et al. **Res Q Exerc Sport** 1981 Dec;52(4):512–7

Characteristics of successful distributors in the community–based distribution of contraceptives in Guatemala. Bertrand JT, et al. **Stud Fam Plann** 1980 Sep–Oct;11(9–10):274–85

[A modern and orientational model of the structure of the working time of ambulatory care physicians] Kutěj B, et al. **Cesk Zdrav** 1982 Mar;30(3):107–14 (Eng. Abstr.) **(Cze)**

[A modern and orientational model of the structure of the physician's working time in selected hospital departments] Kutěj B, et al. **Cesk Zdrav** 1982 Apr;30(4):167–71 (Eng. Abstr.) **(Cze)**

[Visual demands and capacity for performance in special working places in microelectronics] Methling D, et al. **Z Gesamte Hyg** 1981;27(8):596–601 (Eng. Abstr.) **(Ger)**

[Time consumption and calculations of fees in systemic treatment of periodontitis] Gjermo P. **Nor Tannlaegeforen Tid** 1981 Jul;91(10):347–9 **(Nor)**

[Characteristics of the activity of neurons of the parietal cortex of alert monkeys in comparison to the frontal and motor areas] Orlov AA, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1002–9 (Eng. Abstr.) **(Rus)**

TASTE

Taste perception of sodium chloride in relation to dietary intake of salt. Pangborn RM, et al. **Am J Clin Nutr** 1982 Mar;35(3):510–20

High sensitivity of Xenopus gustatory receptors to amino acids and bitter substances. Yoshii K, et al. **Am J Physiol** 1982 Jul;243(1):R42–8

Compensatory effects of palatable and non–palatable substances on the ethanol consumption in a free–choice procedure in rats. De Witte P, et al. **Arch Int Physiol Biochim** 1982 Apr;90(1):31–3

Shock facilitation of taste aversion learning. Lasiter PS, et al. **Behav Neural Biol** 1981 Jul;32(3):277–81

Selective sensitization induced by lithium malaise and footshock in rats. Miller V, et al. **Behav Neural Biol** 1981 Jan;31(1):42–55

Extinction of a conditioned taste aversion in young, mid–aged, and aged C57/BL6 mice. Springer AD, et al. **Behav Neural Biol** 1981 Jul;32(3):282–94

The influence of rendering rats anosmic on the poisoned–partner effect. Stierhoff KA, et al. **Behav Neural Biol** 1982 Feb;34(2):180–9

Some aspects of the relationship between the structure of a bitter diketopiperazine and its receptor. Shiba T, et al. **Biopolymers** 1981 Sep;20(9):1985–7

Direct connectivity between pontine taste areas and gustatory neocortex in rat. Lasiter PS, et al. **Brain Res** 1982 Feb 18;234(1):111–21

Coupling between chorda tympani nerve fibres in the cat. Lisney SJ. **Brain Res** 1981 Nov 2;223(2):413–6

Axonal transport maintains taste responses. Oakley B, et al. **Brain Res** 1981 Sep 28;221(2):289–98

Cortical neurons responding to tactile, thermal and taste stimulations of the rat's tongue. Yamamoto T, et al. **Brain Res** 1981 Sep 21;221(1):202–6

Taste aversion following backward conditioning procedures in preweanling and adult rats. Franchina JJ, et al. **Dev Psychobiol** 1981 Dec;14(6):499–505

Insect antifeedant terpenes, hot–tasting to humans. Kubo I, et al. **Experientia** 1981 Oct 15;37(10):1063–4

Relationship of L–quinine bitterness threshold to central nervous system drug sensitivity [letter] Kappeler T. **J Clin Psychopharmacol** 1982 Feb;2(1):70

Selective associations in one–day–old rats: taste–toxicosis and texture–shock aversion learning. Gemberling GA, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):105–13

Tongue brushing, dentifrice, and age effects on taste and smell. Hyde RJ, et al. **J Dent Res** 1981 Oct;60(10):1730–4

Sucrose taste thresholds: age–related differences. Moore LM, et al. **J Gerontol** 1982 Jan;37(1):64–9

Structure–activity studies on sulfamate sweeteners II: semiquantitative structure–taste relationship for sulfamate (RNHSO–3) sweeteners–the role of R. Spillane WJ, et al. **J Pharm Sci** 1981 Aug;70(8):933–5

Effect of denture base thermal conductivity on gustatory response. Kapur KK, et al. **J Prosthet Dent** 1981 Dec; 46(6):603–9

From the NIH: Variation in taste thresholds with human aging. **JAMA** 1982 Feb 12;247(6):775

Taste and smell: the neglected senses [news] Ziporyn T. **JAMA** 1982 Jan 15;247(3):277–9, 282–5

Bitter drugs replacing bitter plant juice to stop infants breast feeding [letter] Barnabas G, et al. **Lancet** 1982 May 15; 1(8281):1133

The unnecessary sense [letter] Siddiqui AR. **N Engl J Med** 1982 Oct 7;307(15):958

Age and sex effects on taste of sucrose, NaCl, citric acid and caffeine. Hyde RJ, et al. **Neurobiol Aging** 1981 Winter; 2(4):315–8

Aversiveness of cadmium in solution. Cory-Slechta DA, et al. **Neurotoxicology (Park Forest II)** 1981 Dec;2(4):711–24

Naltrexone suppresses hyperphagia induced in the rat by a highly palatable diet. Apfelbaum M, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):89–91

Influence of diet palatability on noradrenergic feeding response in the rat. Sclafani A, et al. **Pharmacol Biochem Behav** 1981 Jul;15(1):15–9

The effects of pimozide on the consumption of a palatable saccharin–glucose solution in the rat. Xenakis S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):435–42

Studies on the perception of taste: do primaries exist? Erickson RP. **Physiol Behav** 1982 Jan;28(1):57–62

Taste neophobia in individually and socially reared male rats. Gentsch C, et al. **Physiol Behav** 1981 Aug;27(2):199–202

Conditioned aversion to a taste perceived while grooming. Reidinger RF Jr, et al. **Physiol Behav** 1982 Apr; 28(4):715–23

Hyperactivity and obesity: the interaction of social isolation and cafeteria feeding. Sahakian BJ, et al. **Physiol Behav** 1982 Jan;28(1):117–24

Sodium chloride detection threshold in the rat determined using a simple operant taste discrimination task. Slotnick BM. **Physiol Behav** 1982 Apr;28(4):707–10

In utero taste/odor aversion conditioning in the rat. Stickrod G, et al. **Physiol Behav** 1982 Jan;28(1):5–7

Taste aversion learning and long-term retention in juvenile rats. Balcom FW, et al. **Psychol Rep** 1981 Aug;49(1):266

Pre-exposure to flavor and conditioned taste aversion: amphetamine and lithium reinforcers. Wellman PJ. **Psychol Rep** 1982 Apr;50(2):555–8

Studies on the role of central histamine in the acquisition of a radiation-induced conditioned taste aversion. Rabin BM, et al. **Radiat Res** 1982 Jun;90(3):609–20

State-dependent interactions in the antihistamine-induced disruption of a radiation-induced conditioned taste aversion. Rabin BM, et al. **Radiat Res** 1982 Jun;90(3):621–7

Active ion transport in dog tongue: a possible role in taste. DeSimone JA, et al. **Science** 1981 Nov 27; 214(4524):1039–41

Taste thresholds, preferences for sweet taste and dental caries in 15-year-old children. A pilot study. Nilsson B, et al. **Swed Dent J** 1982;6(1):21–7

[Clinical experience with an electrogustometer of our design] Tománek Z, et al. **Cesk Otolaryngol** 1982 Jan;31(1):41–4 (Eng. Abstr.) **(Cze)**

[Food favoritism and taste perception for P. T. C. in Hungarian pupils (author's transl)] Forrai G, et al. **Arztl Jugendkd** 1981;72(4):246–51 (Eng. Abstr.) **(Ger)**

[Food preferences of adolescents participating in central feeding and their relation to sensory sensitivity] Gawęcki J, et al. **Nahrung** 1981;25(10):929–36 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Zinc nutrition and salt preference in rats. Jakinovich W Jr, et al. **Am J Physiol** 1981 Sep;241(3):R233–9

Rapid communication recuperation from lithium-induced illness: flavor enhancement for rats. Hasegawa Y. **Behav Neural Biol** 1981 Oct;33(2):252–5

Brief report food-aversion conditioning in Japanese monkeys (Macaca fuscata): a dissociation of feeding in two separate situations. Hasegawa Y, et al. **Behav Neural Biol** 1981 Oct; 33(2):237–42

Long-term effect of pentobarbital anesthesia on neophobia in the rat. McGee R, et al. **Behav Neural Biol** 1981 Jul; 32(3):376–9

Pharmacological generality of the Avfail effect. Revusky S, et al. **Behav Neural Biol** 1982 Mar;34(3):240–60

Flavour modulates the antidipsogenic effect of substance P. Morley JE, et al. **Brain Res** 1981 Dec 7;226(1–2):334–8

Bad taste from cefamandole [letter] Hodgson TG. **Drug Intell Clin Pharm** 1981 Feb;15(2):136

Epinephrine-induced conditioned taste aversion. Caza PA, et al. **Horm Behav** 1982 Mar;16(1):31–45

Drug states as discriminative stimuli in a flavor-aversion learning experiment. Revusky S, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):200–11

Atropine fails to block the overconsumption of sugar solutions by hypothalamic hyperphagic rats. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):708–19

Lithium chloride-induced taste aversion in C57BL/6J and DBA/2J mice. Ingram DK. **J Gen Psychol** 1982 Apr; 106(Second Half):233–49

Trichloromethane-induced taste aversions in mice. Landauer MR, et al. **Neurobehav Toxicol Teratol** 1982 May–Jun; 4(3):305–9

Studies on the flavor aversions induced by trialkyltin compounds. MacPhail RC. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):225–30

Conditioned flavor aversions: a toxicity test of the anticholinesterase agent, physostigmine. Parker LA, et al. **Neurobehav Toxicol Teratol** 1982 Jan–Feb;4(1):93–8

The effects of antidepressant drugs on conditioned taste aversion learning of the olfactory bulbectomized rat. Jancsár SM, et al. **Neuropharmacology** 1981 Dec; 20(12B):1341–5

Effects of diazepam and of serotonin agonists on hyponeophagia in rats. Shephard RA, et al. **Neuropharmacology** 1982 Apr;21(4):337–40

Morphine conditioned taste aversion reversed by periaqueductal gray lesions. Blair R, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):651–3

Pimozide attenuates conditioned taste preferences induced by self-stimulation in rats. Ettenberg A, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):915–9

The effects of cocaine in a gustatory avoidance paradigm: a procedural analysis. Foltin RW, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):347–52

Conditioned gustatory avoidance induced by three cholinergic agents. Preston KL, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):827–8

Physostigmine and norepinephrine: effects of injection into the amygdala on taste associations. Ellis ME, et al. **Physiol Behav** 1981 Aug;27(2):203–9

Taste aversion to sugars by the gerbil. Jakinovich W Jr. **Physiol Behav** 1982 Jun;28(6):1065–71

High sensitivity of minnow gustatory receptors to amino acids. Kiyohara S, et al. **Physiol Behav** 1981 Jun; 26(6):1103–8

Flavor enhances the antidipsogenic effect of naloxone. Levine AS, et al. **Physiol Behav** 1982 Jan;28(1):23–5

Tastes of fifteen halide salts following water and NaCl: anion and cation effects. Murphy C, et al. **Physiol Behav** 1981 Jun;26(6):1083–95

Taste responses to neohesperidin dihydrochalcone in rats and baboon monkeys. Naim M, et al. **Physiol Behav** 1982 Jun; 28(6):979–86

2-Deoxy-D-glucose produces delayed hypophagia and conditioned taste aversion in rats. Thompson CI, et al. **Physiol Behav** 1981 Dec;27(6):1001–4

The suppression of sucrose intake by cholecystokinin is scaled according to the magnitude of the orosensory control over feeding. Waldbillig RJ, et al. **Physiol Behav** 1982 Apr; 28(4):591–5

Intraoral currents and taste thresholds. Nilner K, et al. **Swed Dent J** 1982;6(3):105–13

PHYSIOLOGY

A genetic analysis of taste threshold for phenylthiocarbamide. Morton CC, et al. **Acta Genet Med Gemellol (Roma)** 1981; 30(1):51–7

Serum zinc and taste acuity in Tel-Aviv patients with inflammatory bowel disease. Tiomny E, et al. **Am J Gastroenterol** 1982 Feb;77(2):101–4

Diagnostic indices of zinc deficiency in children with renal diseases. Siegler RL, et al. **Ann Clin Lab Sci** 1981 Sep–Oct; 11(5):428–33

Taste perception in three individuals on a low sodium diet. Bertino M, et al. **Appetite** 1981 Mar;2(1):67–73

Release of feeding by the sweet taste in rats: the influence of body weight. Mook DG, et al. **Appetite** 1981 Mar; 2(1):15–34

Age-related changes in flavor perception. Stevens DA, et al. **Appetite** 1981 Jun;2(2):127–36

The effects of desalivation by duct ligation or salivary gland extirpation on taste preference in rats. Galili D, et al. **Arch Oral Biol** 1981;26(11):853–8

Lesions of the olfactory pathways affecting neophobia and learned aversion differentially. Royet JP, et al. **Behav Brain Res** 1982 Mar;4(3):251–62

Neophobia: generality and function. Miller RR, et al. **Behav Neural Biol** 1981 Sep;33(1):17–44

Associative and nonassociative effects of exteroceptive context in taste-aversion conditioning with rats. Sjödén PO, et al. **Behav Neural Biol** 1981 Sep;33(1):74–92

Electrophysiological evidence for the topographical arrangement of taste and tactile neurons in the facial lobe of the channel catfish. Marui T, et al. **Brain Res** 1982 Jan 7;231(1):185–90

Relationships between spontaneous discharge rates and taste responses of the dog thalamic neurons. Ninomiya Y, et al. **Brain Res** 1982 Jun 17;242(1):67–76

Hypoglossal motor nerve activity elicited by taste and thermal stimuli applied to the tongue in rats. Yamamoto T, et al. **Brain Res** 1982 Apr 22;238(1):89–104

Gustatory functions of the nucleus tractus solitarius in the rabbit. Schwartzbaum JS, et al. **Brain Res Bull** 1982 Mar; 8(3):285–92

Dietary influences on the development of sucrose acceptability in rats. Bertino M, et al. **Dev Psychobiol** 1981 Jan;14(1):19–28

The genetics of tasting in mice. I. Sucrose octaacetate. Lush IE. **Genet Res** 1981 Aug;38(1):93–5

Intestinal bypass surgery produces conditioned taste aversion in rats. Sclafani A, et al. **Int J Obes** 1981;5(5):497–500

Sodium regulation: Sensory aspects. Beauchamp GK, et al. **J Am Diet Assoc** 1982 Jan;80(1):40–5 (45 ref.)

Cortical substrates of taste aversion learning: dorsal prepiriform (insular) lesions disrupt taste aversion learning. Lasiter PS, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):376–92

Vagotomy blocks hypothalamic hyperphagia in rats on a chow diet and sucrose solution, but not on a palatable mixed diet. Sclafani A, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):720–34

Diet palatability modulates sham feeding in VMH-lesion and normal rats: implications for finickiness and evaluation of sham-feeding data. Weingarten HP. **J Comp Physiol Psychol** 1982 Apr;96(2):223–33

Candidate codes in the gustatory system of caterpillars. Dethier VG, et al. **J Gen Physiol** 1982 Apr;79(4):549–69

Taste thresholds: quality specific variation with human aging. Weiffenbach JM, et al. **J Gerontol** 1982 May;37(3):372–7

Developmental changes in taste response characteristics of rat single chorda tympani fibers. Hill DL, et al. **J Neurosci** 1982 Jun;2(6):782–90

Taste response in the facial nerve of the carp, Cyprinus carpio L. Funakoshi M, et al. **Jpn J Physiol** 1981;31(3):381–90

Role of ions in generation of taste nerve responses to electrical tongue stimulation in rats. Ninomiya Y, et al. **Jpn J Physiol** 1981;31(6):891–902

Molecular mechanism of sweet taste: relationship of hydrogen bonding to taste sensitivity for both young and elderly. Schiffman SS, et al. **Neurobiol Aging** 1981 Fall; 2(3):173–85

Enkephalin-like immunoreactivity in the gustatory lobes and visceral nuclei in the brains of goldfish and catfish. Finger TE. **Neuroscience** 1981;6(12):2747–58

Effects of bilateral amygdala lesions on neophobia and conditioned taste aversion in mice. Shimai S, et al. **Percept Mot Skills** 1982 Feb;54(1):127–30

Alcohol dependence and taste-mediated learning in the rat. Crawford D, et al. **Pharmacol Biochem Behav** 1982 Feb; 16(2):253–61

Multiple receptor sites mediate sweetness: evidence from cross adaptation. Schiffman SS, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):377–88

The dopaminergic mediation of a sweet reward in normal and VMH hyperphagic rats. Xenakis S, et al. **Pharmacol Biochem Behav** 1982 Feb;16(2):293–302

Differential effects of amygdaloid lesions on conditioned taste aversion learning by rats. Aggleton JP, et al. **Physiol Behav** 1981 Sep;27(3):397–400

Effects of temperature on the perceived sweetness of sucrose. Bartoshuk LM, et al. **Physiol Behav** 1982 May;28(5):905–10

Consummatory responses to taste stimuli in rats selected for high and low rates of self-stimulation. Ganchrow JR, et al. **Physiol Behav** 1981 Dec;27(6):971–6

Olfactory bulbectomy in infant rats: survival, growth and ingestive behaviors. Hill DL, et al. **Physiol Behav** 1981 Nov;27(5):811–7

Taste preferences for amino acids in the house musk shrew, Suncus murinus. Iwasaki K, et al. **Physiol Behav** 1982 May; 28(5):829–33

Influence of chirality of amino acids on the growth of perceived taste intensity with concentration. Schiffman SS, et al. **Physiol Behav** 1982 Mar;28(3):457–65

Learned aversions in rats fed a tryptophan-free diet. Treneer CM, et al. **Physiol Behav** 1981 Nov;27(5):757–60

The role of odor in the maintenance of flavor aversion. Van Buskirk RL. **Physiol Behav** 1981 Aug;27(2):189–93

Flavor preferences in malnourished Mexican infants. Vazquez M, et al. **Physiol Behav** 1982 Mar;28(3):513–9

Sham feeding as a procedure for assessing the influence of diet palatability on food intake. Weingarten HP, et al. **Physiol Behav** 1982 Mar;28(3):401–7

Flavor preferences, food intake, and weight gain in baboons (Papio sp.). Wene JD, et al. **Physiol Behav** 1982 Mar; 28(3):569–73

Neural effects of electrical taste stimuli. Bujas Z, et al. **Sens Processes** 1979 Dec;3(4):353–65

An exponential model for adaptation in taste. Gent JF. **Sens Processes** 1979 Dec;3(4):303–16

[Functional diagnosis of the petrosus major by electrogustometry of the soft palate and Schirmer's test of lacrimation (author's transl)] Gudziol H. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):184–5 **(Ger)**

[Threshold for electric stimulation of taste in diabetes mellitus] Kleinschmidt EG, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):407–11 (Eng. Abstr.) **(Ger)**

[Testing of the sense of taste] Lelkes K. **Fogorv Sz** 1982 Feb; 75(2):41–4 (Eng. Abstr.) **(Hun)**

[Effect of tobacco smoking on the electrogustometric threshold of taste perception] Jatczak J, et al. **Med Pr** 1981; 32(6):403–8 (Eng. Abstr.) **(Pol)**

[The behaviour of taste tested by qualitative gustometry in diabetics (author's transl)] Bem A. **Otolaryngol Pol** 1982; 36(1):43–7 **(Pol)**

[A project of electrogustometer (author's transl)] Krzeski A, et al. **Otolaryngol Pol** 1982;36(2–3):177–9 **(Pol)**

[Taste disorders in kidney diseases] Siciński A, et al. **Pol Arch Med Wewn** 1981 Aug;66(2):103–10 (Eng. Abstr.) **(Pol)**

[Direct transfer of a conditioned taste aversion reflex] Vartanian GA, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1265–7 **(Rus)**

[Age and sex differences in the elaboration and maintenance of conditioned taste aversion in rats] Kassil' VG, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):630–2 **(Rus)**

RADIATION EFFECTS

Appetite perversions and taste changes triggered or abolished by radiotherapy. Brewin TB. **Clin Radiol** 1982 Jul; 33(4):471–5

Long-term effects of radiotherapy on taste and salivary function in man. Mossman K, et al. **Int J Radiat Oncol Biol Phys** 1982 Jun;8(6):991–7

Taste aversions conditioned with partial body radiation exposures. Smith JC, et al. **Physiol Behav** 1981 Nov; 27(5):903–13

A comparison of dependent measures used to quantify radiation-induced taste aversion. Spector AC, et al. **Physiol Behav** 1981 Nov;27(5):887-901

Quantitative radiation dose-response relationships for normal tissues in man. I. Gustatory tissue response during photon and neutron radiotherapy. Mossman KL. **Radiat Res** 1982 Aug;91(2):265-74

TASTE BUDS

ANALYSIS

Influence of innervation on the levels of noradrenaline and serotonin in the circumvallate papilla of the rat. Cano J, et al. **J Neurobiol** 1982 Jan;13(1):1-7

ANATOMY & HISTOLOGY

On the distribution and origins of substance P in the papillae of the rat tongue: an experimental and immunohistochemical study. Nishimoto T, et al. **J Comp Neurol** 1982 May 1;207(1):85-92

Regeneration of taste buds after reinnervation of a denervated tongue papilla by a normally nongustatory nerve. Zalewski AA. **J Comp Neurol** 1981 Aug 10;200(3):309-14

Taste buds reinnervated by carotid sinus nerve fibers. Dinger B, et al. **Neurosci Lett** 1981 Dec 23;27(3):285-9

CYTOLOGY

[Cellular composition of taste buds of the rat tongue after denervation and application of colchicine to the nerve] Chelyshev IuA, et al. **Biull Eksp Biol Med** 1982 Mar; 93(3):92-4 (Eng. Abstr.) **(Rus)**

[Evolution of the structural and cytochemical organization of the taste buds in vertebrates] Pevzner RA. **Zh Evol Biokhim Fiziol** 1981 Sep-Oct;17(5):486-91 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Stimulation of the gerbil's gustatory receptors by saccharin. Jakinovich W Jr. **J Neurosci** 1982 Jan;2(1):49-56

METABOLISM

Biogenic monoamines in developing taste buds of mouse circumvallate papillae. Takeda M, et al. **Arch Histol Jpn** 1981 Nov;44(5):485-95

Binding of [35S]saccharin to a protein fraction of rat tongue epithelia. Shimazaki K, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):331-8

PHYSIOLOGY

High sensitivity of Xenopus gustatory receptors to amino acids and bitter substances. Yoshii K, et al. **Am J Physiol** 1982 Jul;243(1):R42-8

Some aspects of the relationship between the structure of a bitter diketopiperazine and its receptor. Shiba T, et al. **Biopolymers** 1981 Sep;20(9):1985-7

Taste transduction mechanism: similar effects of various modifications of gustatory receptors on neural responses to chemical and electrical stimulation in the frog. Kashiwayanagi M, et al. **J Gen Physiol** 1981 Sep; 78(3):259-75

[Electrometric study of the human taste analyzer normally and in the modelling of weightlessness] Iakovleva IIa. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):15-7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Scanning electron microscopic and histochemical studies of foliate papillae in the rabbit, rat and mouse. Liu HC, et al. **Acta Anat (Basel)** 1982;112(4):310-20

The chemoreceptor surface of the taste organ in the frog Rana esculenta. A freeze-fracture analysis. Röhlich P, et al. **Cell Tissue Res** 1982;224(2):409-20

Taste buds of the fungiform papillae in Cynomolgus monkey. Arvidson K, et al. **J Anat** 1981 Sep;133(Pt 2):271-80

Fine structure of taste buds in the human fungiform papilla. Arvidson K, et al. **Scand J Dent Res** 1981 Aug; 89(4):297-306

[Scanning electron microscope study of the ontogeny of human lingual taste buds] Liubimova ZV. **Biull Eksp Biol Med** 1981 Jun;91(6):643-7 (Eng. Abstr.) **(Rus)**

TASTE DISORDERS

Taste and smell: the neglected senses [news] Ziporyn T. **JAMA** 1982 Jan 15;247(3):277-9, 282-5

CHEMICALLY INDUCED

[Reversible loss of taste as a side effect in thiamazole therapy] Reck R, et al. **Fortschr Med** 1982 Mar 18;100(11):444-5 (Eng. Abstr.) **(Ger)**

[Evaluation of the senses of taste and smell in petroleum chemistry workers based on 3-year observations] Latkowski B, et al. **Med Pr** 1981;32(1):51-7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[An electrogustometer for routine clinical practice] Tománek Z, et al. **Cesk Otolaryngol** 1981;30(6):381-2 (Eng. Abstr.) **(Cze)**

[Clinical experience with an electrogustometer of our design] Tománek Z, et al. **Cesk Otolaryngol** 1982 Jan;31(1):41-4 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Is taste related to anorexia in cancer patients? Trant AS, et al. **Am J Clin Nutr** 1982 Jul;36(1):45-58

Learned food aversions and cancer anorexia. Bernstein IL, et al. **Cancer Treat Rep** 1981;65 Suppl 5:43-7

Learned taste aversion as a factor in cancer therapy. Smith JC, et al. **Cancer Treat Rep** 1981;65 Suppl 5:37-42

Diabetes: diagnostic and therapeutic significance of taste impairment. Abbasi AA. **Geriatrics** 1981 Dec;36(12):73-8

Zinc supplementation in chronic renal failure. Eggert JV, et al. **Int J Pediatr Nephrol** 1982 Mar;3(1):21-4

The missing zinc [interview] Cassirer AM. **J Am Med Wom Assoc** 1981 Aug;36(8):269-70

Taste loss persists after head/neck irradiation [news] Korcok M. **JAMA** 1982 Jan 22-29;247(4):422

Loss of taste and somatic sensations over the tongue in leprous facial palsy - a case report. Malaviya GN, et al. **Lepr India** 1981 Oct;53(4):656-9

Decreased taste acuity in chronic renal patients. **Nutr Rev** 1981 May;39(5):207-10

Taste acuity, plasma zinc levels, and weight loss during radiotherapy: a study of relationships. Bolze MS, et al. **Radiology** 1982 Jul;144(1):163-9

[Taste disorders following ear surgery (author's transl)] Alvarez S. **HNO** 1981 Oct;29(10):328-30 (Eng. Abstr.) **(Ger)**

TASTE THRESHOLD see under **TASTE**

TATTOOING

Electron-microscopic investigation of tattoos in rabbit skin. Mann R, et al. **Arch Dermatol Res** 1981;271(4):367-72

Carbon dioxide laser treatment of cutaneous hemangiomas and tattoos. Levine H, et al. **Arch Otolaryngol** 1982 Apr; 108(4):236-8

The implications of tattooing in prisoners. Newman G. **J Clin Psychiatry** 1982 Jun;43(6):231-4

[Value of tattooing cancerous lesions of the mouth and oropharynx during surgical intervention after radiotherapy] Rose KG, et al. **Acta Otorhinolaryngol Belg** 1981;35(1):5-10 (Eng. Abstr.) **(Fre)**

[To the personality of the tattooed young person - a contribution for the prophylaxis of tattoos (author's transl)] Köstler E. **Dermatol Monatsschr** 1981 Aug;167(8):486-91 (Eng. Abstr.) **(Ger)**

[Tattoos as a surgico-dermatological problem (author's transl)] Köstler E. **Dermatol Monatsschr** 1982 Jan; 168(1):1-9 (52 ref.) (Eng. Abstr.) **(Ger)**

[Delayed treatment of foreign body tattooings of the face by means of punch plastics (author's transl)] Sebastian G, et al. **Dermatol Monatsschr** 1981 May;167(5):298-302 (Eng. Abstr.) **(Ger)**

[Possibilities for tattoo removal. Report of experiences] Grösser A, et al. **Fortschr Med** 1982 Apr 22;100(15):687-93 (Eng. Abstr.) **(Ger)**

[Removal of tattoos by transplantation (author's transl)] Friederich HC. **Z Hautkr** 1982 Mar 1;57(5):326-33 (Eng. Abstr.) **(Ger)**

[On the treatment of tattoos by argon laser (author's transl)] Strempel H. **Z Hautkr** 1982 Mar 1;57(5):335-41 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Tinea in tattoos. Brancaccio RR, et al. **Cutis** 1981 Nov; 28(5):541-2

Pseudolymphomatous reaction to tattoos. Report of three cases. Blumental G, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 1):485-8

[Red pigment dyes and acne. Clinical observations and experimental investigations (author's transl)] Franz E, et al. **Z Hautkr** 1982 May 1;57(9):655-61 (Eng. Abstr.) **(Ger)**

[Some observations on tattooing and the incidence of HBsAg and anti-HBs in the population (author's transl)] Maretić Z, et al. **Lijec Vjesn** 1981;103(3):53-4 (Eng. Abstr.) **(Scr)**

[Lichenoid sarcoidosis on skin tattoos produced by traditional herbal treatments] Soyinka F, et al. **Med Cutan Iber Lat Am** 1981;9(2):135-8 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

[Clinico-criminological aspects of tattoo removal] Blasi B, et al. **Acta Biomed Ateneo Parmense** 1981;52(6):263-7 (Eng. Abstr.) **(Ita)**

VETERINARY

Tatto identification of spayed or neutered dogs and cats. Davis FL Jr. **J Am Vet Med Assoc** 1981 Dec 15; 179(12):1421-2

TAURINE

Physiochemical properties of taurine. Huxtable RJ. **Adv Exp Med Biol** 1981;139:1-4

ANALOGS & DERIVATIVES

Effect of protein-free parathyroid extract (PF-PTE) and gamma-L-glutamyl-taurine (glutaurine) on X-ray induced hyperglycaemia in the rat. Feuer L, et al. **Acta Med Acad Sci Hung** 1981;38(2):159-62

Effect of glutaurine and its derivatives and their combinations with radiation protective substances upon irradiated mice. Feuer L, et al. **Acta Radiol [Oncol]** 1981;20(5):319-24

Do taurine and its analogs or cogeners have actions in common? **Adv Exp Med Biol** 1981;139:471-86

Hypotaurine aminotransferase. Fellman JH, et al. **Adv Exp Med Biol** 1981;139:99-113

Hypotaurine uptake in mouse brain slices. Oja SS, et al. **Adv Exp Med Biol** 1981;139:115-26

Comparative metabolism and taurine-depleting effects of guanidinoethanesulfonate in cats, mice, and guinea pigs. Huxtable RJ, et al. **Arch Biochem Biophys** 1981 Sep; 210(2):698-709

The anion-transfer system of erythrocyte membranes. N-(7-Nitrobenzofurazan-4-yl)taurine, a fluorescent substrate-analogue of the system. Eidelman O, et al. **Biochem J** 1981 May 1;195(2):503-13

Effect of glutaurine (gamma-L-glutamyl-taurine) on serum, hepatic, and renal uric acid levels. Feuer L, et al. **Biochem Med** 1981 Dec;26(3):326-9

Mechanism of anion exchange across the red cell membrane by band 3: interactions between stilbenedisulfonate and NAP-taurine binding sites. Macara IG, et al. **Biochemistry** 1981 Sep 29;20(20):5695-701

Oxidation of hypotaurine in vitro by mouse liver and brain tissues. Oja SS, et al. **Biochim Biophys Acta** 1981 Nov 5; 677(3-4):350-7

Inhibition of the purified and reconstituted calcium pump of erythrocytes by micro M levels of DIDS and NAP-taurine. Niggli V, et al. **FEBS Lett** 1982 Feb 22; 138(2):164-6

Effect of treatment with glutaurine on human antibody-dependent cell-mediated cytotoxicity (ADCC). Láng I, et al. **Immunol Commun** 1981;10(6):499-509

Selective antagonism of the Ca2+ transport ATPase of the red cell membrane by N-(14-azido-2-nitrophenyl)-2-aminoethylsulfonate (NAP-taurine). Minocherhomjee A, et al. **J Biol Chem** 1982 May 25;257(10):5426-30

Central cardiovascular effects of taurine: comparison with homotaurine and muscimol. Bousquet P, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):213-8

Spontaneous and depolarization-induced efflux of hypotaurine from mouse cerebral cortex slices: comparison with taurine and GABA. Korpi ER, et al. **Life Sci** 1981 Aug 24;29(8):811-6

Depletion of retinal taurine by treatment with guanidinoethyl sulfonate. Lake N. **Life Sci** 1981 Aug 3;29(5):445-8

Hypotaurine transport in brain slices: comparison with taurine and GABA. Kontro P, et al. **Neurochem Res** 1981 Nov;6(11):1179-91

Homotaurine (3 aminopropanesulfonic acid; 3APS) protects from the convulsant and cytotoxic effect of systemically administered kainic acid. Fariello RG, et al. **Neurology (NY)** 1982 Mar;32(3):241-5

Formation of gamma-glutamyl-taurine in the rat brain. Török K, et al. **Neurosci Lett** 1981 Dec 11;27(2):145-9

ANALYSIS

Taurine and tapetum structure. Sturman JA, et al. **Adv Exp Med Biol** 1981;139:65-78

Free amino acid content of lymphocytes nd granulocytes compared. Fukuda K, et al. **Clin Chem** 1982 Aug; 28(8):1758-61

Rapid liquid-chromatographic/fluorometric method for taurine in biological fluids, involving pre-derivatization with fluorescamine [letter] Stabler TV, et al. **Clin Chem** 1981 Oct;27(10):1771

ANTAGONISTS & INHIBITORS

Further evidence for selective antagonism of taurine by 6-aminomethyl-3-methyl-4H-1,2,4-benzothiadiazine-1,1-Martin GE, et al. **Brain Res** 1981 Dec 21;229(2):530-5

Aminomethyl-1,2,4-benzothiadiazines as potential analogues of gamma-aminobutyric acid. Unexpected discovery of a taurine antagonist. Girard Y, et al. **J Med Chem** 1982 Feb; 25(2):113-6

Neuropharmacological characterization of a taurine antagonist. Yarbrough GG, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):604-13

BLOOD

Elevated blood taurine levels after myocardial infarction of cardiovascular surgery: is there any significance? Cooper MW, et al. **Adv Exp Med Biol** 1981;139:191-205

The oxidation of L- and D-cysteine to inorganic sulfate and taurine in the rat. Krijgsheld KR, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):7-12

Serum taurine assay: a caution [letter] Goodman HO. **Clin Chem** 1982 Apr;28(4 Pt 1):721-2

Change in platelet taurine and migraine. Dhopesh VP, et al. **Headache** 1982 Jul;22(4):165-6

Elevated blood taurine levels in acute and evolving

myocardial infarction. Lombardini JB, et al. **J Lab Clin Med** 1981 Dec;98(6):849–59

Effects of cardiovascular surgery on blood concentrations of taurine and amino acids. Lombardini JB, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):498–505

[A study on the constitutional change of taurine and other free amino acids during the fetal development (author's transl)] Moriyama I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):769–75 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Identification of taurine occurring sporulating cells of Bacillus subtilis. Nakashio S, et al. **Microbios** 1982; 33(132):73–80

METABOLISM

Taurine in nutrition and neurology. **Adv Exp Med Biol** 1981; 139:1–551

How are tissue taurine concentrations regulated? **Adv Exp Med Biol** 1981;139:403–26

What does taurine do? **Adv Exp Med Biol** 1981;139:447–70

Taurine and Friedreich's ataxia: an update. Barbeau A, et al. **Adv Exp Med Biol** 1981;139:389–99

The sulfur-containing amino acid pathway in normal and malignant cell growth. Baskin SI, et al. **Adv Exp Med Biol** 1981;139:127–41

Studies on the renal handling of taurine: changes during maturation and after altered dietary intake. Chesney RW, et al. **Adv Exp Med Biol** 1981;139:47–63

Sources and turnover rates of taurine in newborn, weanling, and mature rats. Huxtable RJ, et al. **Adv Exp Med Biol** 1981;139:23–45

Coordination and binding of taurine as determined by nuclear magnetic resonance measurements on 13C-labeled taurine. Irving CS, et al. **Adv Exp Med Biol** 1981;139:5–17

Interaction of taurine with its precursor, cysteine sulfinic acid. In the central nervous system. Iwata H, et al. **Adv Exp Med Biol** 1981;139:211–9

Central neuropharmacology of D-Ala2-Met-enkephalinamide and its interactions with taurine in rats. Izumi K, et al. **Adv Exp Med Biol** 1981; 139:325–43

Differential effects of light and dark adaptations on function and metabolism of retinal taurine and gamma-aminobutyric acid (GABA). Kuriyama K, et al. **Adv Exp Med Biol** 1981; 139:221–38

Taurine receptors in CNS membranes: binding studies. López-Colomé AM. **Adv Exp Med Biol** 1981;139:293–310

The role of taurine in nervous tissue: its effects on ionic fluxes. Pasantes-Morales H, et al. **Adv Exp Med Biol** 1981; 139:273–92

Taurine, cysteinesulfinic acid decarboxylase and glutamic acid in brain. Rassin DK. **Adv Exp Med Biol** 1981; 139:257–71

Taurine transport by reconstituted membrane vesicles. Schaffer SW, et al. **Adv Exp Med Biol** 1981;139:143–60

Specific binding of taurine in central nervous system. Segawa T, et al. **Adv Exp Med Biol** 1981;139:311–24

Changed taurine-glutamic acid content and altered nervous tissue cytoarchitecture. Van Gelder NM. **Adv Exp Med Biol** 1981;139:239–56

Placental transfer of taurine in the rhesus monkey. Stegink LD, et al. **Am J Clin Nutr** 1981 Dec;34(12):2685–92

Renal handling of taurine in marine fish. Schröck H, et al. **Am J Physiol** 1982 Jan;242(1):R64–9

Comparative metabolism and taurine-depleting effects of guanidinoethanesulfonate in cats, mice, and guinea pigs. Huxtable RJ, et al. **Arch Biochem Biophys** 1981 Sep; 210(2):698–709

Solubilization and characterization of cardiac sarcolemmal taurine-binding proteins. Kulakowski EC, et al. **Arch Biochem Biophys** 1981 Aug;210(1):204–9

The binding of Ca2+ to taurine and glycine-conjugated bile salt micelles. Rajagopalan N, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):66–74

Development of taurine metabolism in beagle pups: effects of taurine-free total parenteral nutrition. Malloy MH, et al. **Biol Neonate** 1981;40(1–2):1–8

Baclofen: effects on evoked field potentials and amino acid neurotransmitter release in the rat olfactory cortex slice. Collins GG, et al. **Brain Res** 1982 Apr 29;238(2):371–83

Accumulation of [35S]taurine in peripheral layers of the olfactory bulb. Quinn MR, et al. **Brain Res** 1981 Dec 28; 230(1–2):378–83

Origin of taurine in developing rat brain. Sturman JA. **Brain Res** 1981 Aug;254(1):111–28

Nutritional problems in cats: taurine deficiency and vitamin A excess. Hayes KC. **Can Vet J** 1982 Jan;23(1):2–5 (28 ref.)

Taurine levels in Trichinella spiralis infected versus noninfected rat diaphragms. Harley JP, et al. **Comp Biochem Physiol [B]** 1982;72(1):87–92

Taurine in development and aging of ocular tissues. Gupta K, et al. **Exp Eye Res** 1982 May;34(5):835–9

Chlorination of taurine by human neutrophils. Evidence for hypochlorous acid generation. Weiss SJ, et al. **J Clin Invest** 1982 Sep;70(3):598–607

Changes in concentrations of taurine in murine Harderian glands and retinas during postnatal development. Hilton FK, et al. **J Exp Zool** 1981 Jun;216(3):493–5

Na+-dependent uptake and release of taurine by neuroblastoma x glioma hybrid cells. Kürzinger K, et al. **J Neurochem** 1981 Oct;37(4):956–67

Sulfur amino acid metabolism in the developing rhesus monkey brain: subcellular studies of taurine, cysteinesulfinic acid decarboxylase, gamma-aminobutyric acid, and glutamic acid decarboxylase. Rassin DK, et al. **J Neurochem** 1981 Sep;37(3):740–8

Alteration of metabolism of retinal taurine following prolonged light and dark adaptation: a quantitative comparison with gamma-aminobutyric acid (GABA). Ida S, et al. **J Neurosci Res** 1981;6(4):497–509

Taurine binding to membranes from rat brain regions. López-Colomé AM, et al. **J Neurosci Res** 1981;6(4):475–85

Diet and biosynthesis as sources of taurine in the mouse. Huxtable RJ, et al. **J Nutr** 1982 May;112(5):1003–10

Changes in Mg+2-ATPase and taurine levels in Mg+2-deficient rats. Watkins JD, et al. **J Nutr** 1982 Aug; 112(8):1586–9

Amino acid transport in Myxicola giant axon: stability of the amino acid pool, taurine efflux, and trans effect of sodium. Horn LW. **J Physiol (Lond)** 1981 Aug;317:103–27

Characteristics of taurine transport in freshly isolated rat hepatocytes. Ohkuma S, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):1061–70

Spontaneous and depolarization-induced efflux of hypotaurine from mouse cerebral cortex slices: comparison with taurine and GABA. Korpi ER, et al. **Life Sci** 1981 Aug 24;29(8):811–6

Depletion of retinal taurine by treatment with guanidinoethyl sulfonate. Lake N. **Life Sci** 1981 Aug 3;29(5):445–8

Hypotaurine transport in brain slices: comparison with taurine and GABA. Kontro P, et al. **Neurochem Res** 1981 Nov;6(11):1179–91

Sagittal cerebellar microbands of taurine neurons: immunocytochemical demonstration by using antibodies against the taurine-synthesizing enzyme cysteine sulfinic acid decarboxylase. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4221–5

Taurine in the mammalian cerebellum: demonstration by autoradiography with [3H]taurine and immunocytochemistry with antibodies against the taurine-synthesizing enzyme, cysteine-sulfinic acid decarboxylase. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2695–9

Renal transport of taurine adapts to perturbed taurine homeostasis. Rozen R, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2101–5

Insights on function: metabolism and pharmacology of taurine in the brain. Huxtable RJ. **Prog Clin Biol Res** 1981; 68:53–97 (210 ref.)

[Taurine metabolism in rat liver during thiamine deficiency] Nefedov LI, et al. **Vopr Med Khim** 1982 May-Jun; 28(3):124–7 **(Rus)**

PHARMACODYNAMICS

Are the pharmacological actions of taurine related to its physiological functions? **Adv Exp Med Biol** 1981; 139:427–46

Taurine and thermoregulation: behavioral and cellular studies. Carlà V, et al. **Adv Exp Med Biol** 1981;139:361–72

Observations on the action of taurine at arterial and cardiac levels. Franconi F, et al. **Adv Exp Med Biol** 1981; 139:181–90

Central effects of taurine: antagonistic effects on central actions of angiotensin. Furukawa T, et al. **Adv Exp Med Biol** 1981;139:345–59

Influence of centrally administered taurine on thermoregulation and fever. Lipton JM. **Adv Exp Med Biol** 1981;139:373–87

Electrophysiological effects of taurine in cardiac Purkinje fibers and myocardial taurine loss during ischemia. Is there a relationship? Nathan RD, et al. **Adv Exp Med Biol** 1981; 139:165–80

The influence of the aminosulfonic acid taurine on the efficacy of digoxin and ouabain in the guinea-pig atrium. Knorr A, et al. **Arch Farmacol Toxicol** 1981 Dec; 7(3):291–306

The effect of taurine on high potassium- and noradrenaline-induced contraction in rabbit ear artery. Franconi F, et al. **Br J Pharmacol** 1982 Apr;75(4):605–12

Role of taurine in furazolidone-induced cardiomyopathy. Schaffer SW, et al. **Comp Biochem Physiol [C]** 1982; 72(1):137–40

Effect of taurine on mitogen response of human lymphocytes. Pasantes-Morales H, et al. **Experientia** 1981;37(9):993–4

Cysteine sulfinic acid in the central nervous system: antagonistic effect of taurine on cysteine sulfinic acid-stimulated formation of cyclic AMP in guinea pig hippocampal slices. Baba A, et al. **J Neurochem** 1982 May; 38(5):1280–5

Protective effect of taurine on the light-induced disruption of isolated frog rod outer segments. Pasantes-Morales H, et al. **J Neurosci Res** 1981;6(3):337–48

Effect of taurine on seizures induced by 4-aminopyridine. Pasantes-Morales H, et al. **J Neurosci Res** 1981;6(4):465–74

Interaction between organic calcium-channel blockers and taurine in vitro and in vivo. Franconi F, et al. **J Pharm Pharmacol** 1982 May;34(5):329–30

Effect of taurine on the gastrointestinal absorption of drugs--ionic requirement for the action. Kim KS, et al. **J Pharmacobiodyn** 1982 Mar;5(3):172–8

Effect of taurine on drug absorption from the rat gastrointestinal tract. Kimura T, et al. **J Pharmacobiodyn** 1981 Jan;4(1):35–41

Central cardiovascular effects of taurine: comparison with homotaurine and muscimol. Bousquet P, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):213–8

Hypothermia induced in rabbits by intracerebroventricular taurine: specificity and relationships with central serotonin (5-HT) systems. Sgaragli G, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):778–85

Taurine activation of a bicarbonate-dependent, ATP-supported calcium uptake in frog rod outer segments. Pasantes-Morales H, et al. **Neurochem Res** 1982 Mar; 7(3):317–28

Effect of protein and taurine content of maternal diet on the physical development of neonates. van Gelder NM, et al. **Neurochem Res** 1981 May;6(5):539–49

Taurine diet decreases spontaneous and increases exploratory activity of spontaneously hypertensive rats. Liljequist R, et al. **Pharmacol Res Commun** 1982 Mar;14(3):247–56

The influence of taurine on acetylcholine content and synthesis in rat brain. Kleinrok AT, et al. **Pol J Pharmacol Pharm** 1980 May-Jun;32(3):313–7

Inhibitory effects of motilin, somatostatin, [Leu]enkephalin, [Met]enkephalin, and taurine on neurons of the lateral vestibular nucleus: interactions with gamma-aminobutyric acid. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3355–9

The role of taurine and glutamic acid in the epileptic process: a genetic predisposition. van Gelder NM. **Rev Pure Appl Pharmacol Sci** 1981 Oct-Dec;2(4):293–316 (80 ref.)

PHYSIOLOGY

Is taurine essential in development? **Adv Exp Med Biol** 1981; 139:487–512

Does taurine have clinical significance? **Adv Exp Med Biol** 1981;139:513–32

Taurine nutrition in man. Gaull GE. **Adv Exp Med Biol** 1981; 139:89–95

Taurine deficiency: a rationale for taurine depletion. Hayes KC, et al. **Adv Exp Med Biol** 1981;139:79–87

A parallel change of taurine and the ERG in the developing rat retina. Parmer R, et al. **Comp Biochem Physiol [C]** 1982; 72(1):109–11

Transmembrane components of taurine flux across frog retinal pigment epithelium. Ostwald TJ, et al. **Curr Eye Res** 1981;1(8):437–43

Histochemical localization of zinc in the feline tapetum. Effect of taurine depletion. Sturman JA, et al. **Histochemistry** 1981;72(3):341–50

Taurine-induced thalamocortical dissociative effects in an experimental model of epilepsy. Lombardini JB, et al. **Prog Clin Biol Res** 1981;68:171–9

A neuromodulatory role for taurine in controlling prolactin secretion in female rats. Scheibel J, et al. **Psychoneuroendocrinology** 1981;6(2):139–44

Taurine: possible role in osmotic regulation of mammalian heart. Thurston JH, et al. **Science** 1981 Dec 18; 214(4527):1373–4

SECRETION

Potassium-stimulated release of radiolabelled taurine and glycine from the isolated rat retina. Smith LF, et al. **J Neurochem** 1982 Sep;39(3):653–8

THERAPEUTIC USE

Normalization of muscle transmembrane ionic fluxes induced by taurine in patients affected with myotonic dystrophy. Mutani R, et al. **Acta Neurol Belg** 1982 May-Jun; 82(3):122–7

Taurine and hyperexcitable human muscle: effects of taurine on potassium-induced hyperexcitability of dystrophic myotonic and normal muscles. Durelli L, et al. **Ann Neurol** 1982 Mar;11(3):258–65

Therapeutic trial by taurine for intractable childhood epilepsies. Fukuyama Y, et al. **Brain Dev** 1982;4(1):63–9

Therapy of myotonia. Electromyographic evaluation of acute effects of taurine. Durelli L, et al. **Ital J Neurol Sci** 1981 May;2(2):185–7

[Taurine in the treatment of epilepsy (Results in patients under 15 years of age treated with taurine)] Sbarbaro V, et al. **Riv Neurobiol** 1980 Apr-Jun;26(2):219–27 (Eng. Abstr.) **(Ita)**

[Clinical study on the effect of taurine on intractable epileptics (author's transl)] Pasantes-Morales H, et al. **Rev Invest Clin** 1981 Oct-Dec;33(4):373–8 (Eng. Abstr.) **(Spa)**

URINE

A possible genetic pattern of taurine urinary excretion in Friedreich's Ataxia. Barbeau A, et al. **Can J Neurol Sci** 1982 May;9(2):209–15

Dietary adaptation of taurine transport by rat renal epithelium. Friedman A, et al. **Life Sci** 1981 Dec 7; 29(23):2415–9

[Determination of the taurine content of urine] Bezkrovnaia LA, et al. **Lab Delo** 1981;(9):539–41 **(Rus)**

TAURINE CHOLATE see **TAUROCHOLIC ACID**

TAUROCHENODEOXYCHOLIC ACID see under **CHENODEOXYCHOLIC ACID**

TAUROCHOLATE see **TAUROCHOLIC ACID**

TAUROCHOLIC ACID

ADMINISTRATION & DOSAGE

Secretin enhances [14C]erythritol clearance in unanesthetized dogs. Lewis MH, et al. **Dig Dis Sci** 1982 Jan;27(1):57–64

ANALOGS & DERIVATIVES

Enterohepatic circulation in man of a gamma-emitting bile-acid conjugate, 23-selena-25-homotauracholic acid (SeHCAT). Merrick MV, et al. **J Nucl Med** 1982 Feb; 23(2):126–30

Absorbed dose to man from the Se-75 labeled conjugated bile salt SeHCAT: concise communication. Soundy RG, et al. **J Nucl Med** 1982 Feb;23(2):157–61

DIAGNOSTIC USE

New method for the determination of bile acid turnover using 75Se-homocholic acid taurine. Delhez H, et al. **Eur J Nucl Med** 1982;7(6):269–71

Sodium taurocholate, ineffective as an adjuvant in oral cholecystography. Katevuo K, et al. **Radiologe** 1982 Jan; 22(1):32–3

METABOLISM

Effects of inhibitors of Na+-coupled ion transport on bile acid uptake by isolated rat hepatocytes. Blitzer BL, et al. **Am J Physiol** 1982 Jul;243(1):G48–53

Preincubation accelerates taurocholate uptake into isolated liver cells. Schwenk M, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):344–7

Albumin does not mediate the removal of taurocholate by the rat liver [letter] Colburn WA. **J Pharm Sci** 1982 Mar; 71(3):373–4

Biliary transport maximum of tauroursodeoxycholate is twice as high as that of taurocholate in the rat. Kitani K, et al. **Life Sci** 1981 Jul 20;29(3):269–75

Intestinal bile acid malabsorption in cystic fibrosis: a primary mucosal cell defect. Fondacaro JD, et al. **Pediatr Res** 1982 Jun;16(6):494–8

Uptake of taurocholate by hepatocytes isolated from developing rats. Suchy FJ, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):282–5

PHARMACODYNAMICS

The measurement of bile acid-dependent and independent fractions of rat bile. Rassero JA, et al. **Acta Physiol Lat Am** 1978;28(6):309–13

Bile acid and bile salt disrupt gastric mucosal barrier in the dog by different mechanisms. Duane WC, et al. **Am J Physiol** 1982 Feb;242(2):G95–9

Acidification of arterial blood enhances gastric mucosal injury induced by bile salts in dogs. Cheung LY, et al. **Am J Surg** 1982 Jan;143(1):74–9

Synthesis and release of lipids and lipoproteins by isolated rat jejunal enterocytes in the presence of sodium taurocholate. Hoffman AG, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):283–98

Intestinal cholesterol uptake from mixed micelles. In vitro effects of taurocholate, taurochenodeoxycholate and tauroursodeoxycholate. Reynier MO, et al. **Biochim Biophys Acta** 1981 Jun 23;664(3):616–9

Duodenal perfusion with sodium taurocholate inhibits biliary but not pancreatic secretion in man. Björnsson OG, et al. **Clin Sci** 1982 Jun;62(6):651–9

Studies of acid and alkaline secretion by rabbit gastric fundus in vitro: effect of low concentrations of sodium taurocholate. Rees WD, et al. **Gastroenterology** 1982 Aug; 83(2):435–40

Use of sodium taurocholate to enhance spore recovery on a medium selective for Clostridium difficile. Wilson KH, et al. **J Clin Microbiol** 1982 Mar;15(3):443–6

Intestinal absorption of aspirin. Influence of pH, taurocholate, ascorbate, and ethanol. Hollander D, et al. **J Lab Clin Med** 1981 Oct;98(4):591–8

Tauroursodeoxycholate prevents taurocholate induced cholestasis. Kitani K, et al. **Life Sci** 1982 Feb 7;30(6):515–23

The influence of sodium taurocholate (TCNa) on the absorption of salicylic acid from the rat small intestine. Garcin-Salomon C, et al. **Pharm Acta Helv** 1981; 56(3):78–81

Effects of solution of low pH and taurocholate on release of beta-endorphin-like immunoreactivity from human duodenal mucosa in vitro. Matsumura M, et al. **Regul Pept** 1982 Mar;3(3–4):173–81

[Intestinal endotoxin and obstructive jaundice. 2. Effect of bile salts on the intestinal absorption of endotoxins] Martínez Veiga JL, et al. **Rev Esp Enferm Apar Dig** 1981 Sep;60(3):217–20 (Eng. Abstr.) **(Spa)**

TAURODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

TAUROLITHOCHOLIC ACID see under **LITHOCHOLIC ACID**

TAXES

The economics of alcohol abuse. Maynard A, et al. **Br J Addict** 1981 Dec;76(4):339–45

Your accounts: capital taxes-2. Hepburn PF. **Br J Hosp Med** 1982 Apr;27(4):418, 420

Bankrupting America: the impact of President Reagan's military budget. Anderson JR. **Int J Health Serv** 1981; 11(4):623–9

Threats to tax-exempt financing for hospitals and universities [editorial] Cooper JA. **J Med Educ** 1982 Aug;57(8):649–50

New federal tax laws may make your estate plan obsolete. Geer TL. **Mich Med** 1981 Oct;80(29):540–1

Family Social Security taxes compared with Federal income taxes, 1979. Bridges B Jr. **Soc Secur Bull** 1981 Dec; 44(12):12–8

A comparison of Social Security taxes and Federal income taxes, 1980–90. Schobel BD. **Soc Secur Bull** 1981 Dec; 44(12):19–20

Tax-wise: how to take the sting out of taxes. Blackman IL. **VM SAC** 1982 Jan;77(1):123–4

[Sale of a practice under the tax law] Kühr C. **Dtsch Med Wochenschr** 1981 Nov 20;106(47):1591–3 **(Ger)**

LEGISLATION & JURISPRUDENCE

Facts on the Economic Recovery Tax Act of 1981 for speech-language pathologists and audiologists. Auerbach A. **ASHA** 1982 Feb;24(2):107–8

Hospital taxation: the dollars and the sense of it. Schroeder DH. **Health Care Manage Rev** 1982 Spring;7(2):7–16

Business perspectives: taking advantage of IRAs. Moscatello E. **Nurse Pract** 1982 Apr;7(4):20, 34

What does the new tax law mean to physicians? Beck LC, et al. **Penn Dent J (Phila)** 1981 Oct;84(10):14

TAY-SACHS DISEASE

DIAGNOSIS

Diagnosis of Tay-Sachs disease using [3H]N-acetylneuraminic acid labelled GM2 ganglioside as substrate. Poulos A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):331–40

Tay-Sachs carrier detection. Wappner RS. **J Indiana State Med Assoc** 1982 Apr;75(4):251–4

Adult GM2 gangliosidosis in association with Tay-Sachs disease: a new phenotype. Navon R, et al. **Neurology (NY)** 1981 Nov;31(11):1397–1401

ENZYMOLOGY

Hereditary heat-labile hexosaminidase B: its implication for recognizing Tay-Sachs genotypes. Navon R, et al. **Am J Hum Genet** 1981 Nov;33(6):907–15

Degradation of keratan sulfate by beta-N-acetylhexosaminidases in GM2-gangliosidosis. Yutaka T, et al. **Clin Genet** 1982 Mar;21(3):196–202

FAMILIAL & GENETIC

A new variant of type-AB GM2-gangliosidosis. Li SC, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):479–85

METABOLISM

Adsorptive pinocytosis of phosphorylated oligosaccharides by human fibroblasts. Creek KE, et al. **J Biol Chem** 1982 Sep 10;257(17):9931–7

OCCURRENCE

Screening people of Jewish origin for Tay-Sachs disease carriers. Hecht F. **Ariz Med** 1981 Jan;38(1):21–3

Screening for Tay-Sachs carriers in Hawaii, 1980. Hisa YE, et al. **Hawaii Med J** 1981 Nov;40(11):327

Community-based genetic education: sources of information in a Tay Sachs disease screening program. Clark M, et al. **Ohio State Med J** 1982 Mar;78(3):218–20

PATHOLOGY

Two siblings, including a fetus, with Tay-Sachs disease. Yamada E, et al. **Acta Pathol Jpn** 1981 Nov;31(6):1053–61

PHYSIOPATHOLOGY

Long-term intracellular retention of hexosaminidase A by Tay-Sachs disease brain and lung cells in vitro. Brooks SE, et al. **J Neurosci Res** 1981;6(3):381–8

PREVENTION & CONTROL

Estimation of the frequency of hexosaminidase a variant alleles in the American Jewish population. Greenberg DA, et al. **Am J Hum Genet** 1982 May;34(3):444–51

Screening for Tay-Sachs disease [letter] Barnett HB, et al. **Can Med Assoc J** 1981 Nov 1;125(9):963

Tay-Sachs screening clinic [letter] Gitelman BJ, et al. **Can Med Assoc J** 1981 Oct 15;125(8):814, 816

Evaluation of a Tay-Sachs screening program on a college campus. Krischer JP, et al. **South Med J** 1982 Feb; 75(2):169–74

Knowledge and attitudes toward Tay-Sachs disease among a college student population. Austein CF, et al. **Yale J Biol Med** 1981 Sep-Oct;54(5):345–54

THERAPY

Control and therapy of lipid storage diseases: present status and future strategies. Brady RO. **Ala J Med Sci** 1982 Apr; 19(2):161–4

TDE see **DDD**

TEA

see related **THEOPHYLLINE**

Tea drinking and neuroleptic dosage [letter] Cheung HK. **Am J Psychiatry** 1981 Nov;138(11):1517

Sister chromatid exchanges induced by methylxanthines contained in coffee, tea and cocoa. Renner HW. **Experientia** 1982 May 15;38(5):600

Effect of tea consumption on the levels of alpha-ketoglutarate and pyruvate dehydrogenase in rat brain. Ruenwongsa P, et al. **Experientia** 1982 Jul 15; 38(7):787–8

Oral fluphenazine and tea and coffee drinking [letter] Wallace SM, et al. **Lancet** 1981 Sep 26;2(8248):691

Rest easy, lemon-tea drinkers [letter] Monte WC. **N Engl J Med** 1982 Jun 24;306(25):1554–5

Coffee and tea consumption and breast disease. Lawson DH, et al. **Surgery** 1981 Nov;90(5):801–3

[A preliminary discussion of the effect of high fluorine content in tea leaves on caries prevention (author's transl)] Zhou DC. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):53–4 **(Chi)**

ADVERSE EFFECTS

Caffeine consumption and benign breast disease: a case-control comparison. Marshall J, et al. **Am J Public Health** 1982 Jun;72(6):610–2

Antithiamins of plant origin: their chemical nature and mode of action. Hilker DM, et al. **Ann NY Acad Sci** 1982; 378:137–45 (28 ref.)

Interaction of chlorpromazine with tea and coffee. Cheeseman HJ, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):165–9

Ventilatory function in workers exposed to tea and wood dust. Al Zuhair YS, et al. **Br J Ind Med** 1981 Nov; 38(4):339–45

[Tea drinker's syndrome] Højgaard L, et al. **Ugeskr Laeger** 1981 Oct 26;143(44):2893–5 (Eng. Abstr.) **(Dan)**

['Sweet tea caries': a new form of deciduous tooth caries in small children] Wetzel WE. **Dtsch Zahnarztl Z** 1981 May;36(5):330–2 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Fluoride content of various kinds of tea] Strübig W, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):379–81 (Eng. Abstr.) **(Ger)**

TEACHING

Children under fire: the role of the schools. Schwartz RE. **Am J Orthopsychiatry** 1982 Jul;52(3):409–19

Principles and practice of clinical teaching--a need for structure. Pletts M. **Br J Disord Commun** 1981 Sep; 16(2):129–34

Teaching health units – an idea whose time has come [editorial] Suttie B. **Can J Public Health** 1981 Jul–Aug; 72(4):222–7 **(Eng, Fre)**

Teacher response to the methylphenidate (ritalin) versus placebo status of hyperactive boys in the classroom. Whalen CK, et al. **Child Dev** 1981 Sep;52(3):1005–14

Misconceptions of regular classroom teachers about physically handicapped students. Frith GH, et al. **Except Child** 1981 Oct;48(2):182–4

Changing vocational teachers' attitudes toward the handicapped. McDaniel L. **Except Child** 1982 Jan; 48(4):377–8

Expectations of vocational teachers for handicapped students. Minner S. **Except Child** 1982 Feb;48(5):451–3

Educating the special needs student in the regular classroom. Schultz LR. **Except Child** 1982 Jan;48(4):366–8

Teacher nominations and peer evaluations in the identification of socioemotional at-risk students. Tyne TF, et al. **Except Child** 1981 Sep;48(1):66–8

Monkey laws in the courts. Annas GJ. **Hastings Cent Rep** 1982 Apr;12(2):22–3

Geriatric gobbledygook. Morowitz HJ. **Hosp Pract** 1982 Mar;17(3):185–6

A multitrait-multimethod analysis of variance of teachers' ratings of aggression, hyperactivity, and inattention. Roberts MA, et al. **J Abnorm Child Psychol** 1981 Sep; 9(3):371–80

Congruence of parents' and teachers' ratings of children's behavior problems. Touliatos J, et al. **J Abnorm Child Psychol** 1981 Sep;9(3):347–54

Cognitive correlates of teacher stress and depressive symptoms: implication for attributional models of depression. Hammen C, et al. **J Abnorm Psychol** 1982 Apr; 91(2):96–101

Learning at a distance. Manwaring G. **J Audiov Media Med** 1982 Apr;5(2):61–2

Nursery nurses and nursery teachers I: Their assessment of children's verbal-social behaviour. Gipps C.

J Child Psychol Psychiatry 1982 Jul;23(3):237–54

Nursery nurses and nursery teachers II: Their attitudes towards pre-school children and their parents. Gipps C. **J Child Psychol Psychiatry** 1982 Jul;23(3):255–65

Adults' cognitive demands at home and at nursery school. Tizard B, et al. **J Child Psychol Psychiatry** 1982 Apr; 23(2):105–16

Further development and validation of the prosocial behaviour questionnaire for use by teachers. Weir K, et al. **J Child Psychol Psychiatry** 1981 Oct;22(4):357–74

Future faculty training requirements and job opportunities: a survey of U.S. dental school deans. Herzberg MC, :. al. **J Dent Educ** 1982 May;46(5):261–5

The effect of instructor variance on students' grades. Mescher KD, et al. **J Dent Educ** 1982 Feb;46(2):83–7

Resident and faculty perceptions of effective clinical teaching in family practice. Gjerde CL, et al. **J Fam Pract** 1982 Feb;14(2):323–7

The teaching of health law in 1980: results of a survey. Schramm CJ, et al. **J Health Polit Policy Law** 1981 Fall; 6(3):558–61

Teaching in the ambulatory care setting. Medley ES. **J Med Educ** 1982 Apr;57(4):322–3

Resident preferences for the clinical teaching of ambulatory care. Stritter FT, et al. **J Med Educ** 1982 Jan;57(1):33–41

A first-hand view of the unit teacher role. Meisenhelder JB. **J Nurs Adm** 1982 Jan;12(1):35–9

Teacher attitudes toward normal and exceptional groups. Leyser Y, et al. **J Psychol** 1982 Mar;110(Second half):227–38

Can teachers cross continents? Experiences in Sri Lanka. Metcalfe DH, et al. **J R Coll Gen Pract** 1981 Oct; 31(231):605–10

Education on sexuality: proceed with caution. Cortese PA. **J Sch Health** 1981 Dec;51(10):676–7

The death of a classmate: a teacher's experience dealing with tragedy in the classroom. Evans BJ. **J Sch Health** 1982 Feb;52(2):104–7

To parents of children with learning disabilities . . . Some insights from a teacher's perspective. Montgomery E. **J Sch Health** 1982 Feb;52(2):116–7

Strategies for dealing with students whose clinical performance is unsatisfactory. Welborn P, et al. **JNE** 1982 May;21(5):26–30

Programme of health education among school teachers. A study conducted at Gremaltes. Gershon W, et al. **Lepr India** 1981 Oct;53(4):641–55

Training primary health care workers in Upper Volta. Cross I. **Med Educ** 1982 Mar;16(2):102–4

Student evaluation of instruction. A comparison of medicine and engineering. Neumann L. **Med Educ** 1982 May; 16(3):121–6

A method of evaluating opportunistic teaching in clinical medicine. Stanley IM, et al. **Med Educ** 1981 Nov; 15(6):389–91

Medical teachers' perspectives on development and use of objectives. Williams RG, et al. **Med Educ** 1982 Mar; 16(2):68–71

Teaching letter writing to medical undergraduates. Beran RG. **Med J Aust** 1982 May 15;1(10):434–5

Sounding board. On teachers. Ratzan RM. **N Engl J Med** 1982 Jun 10;306(23):1420–2

Teaching nursing in China--an exchange program. Dirschel KM. **Nurs Outlook** 1981 Dec;29(12):722–5

Nursing home; place for teaching geriatrics. Margolis EJ, et al. **NY State J Med** 1981 Oct;81(11):1683–6

Deafness at school [letter] Drake ML. **NZ Med J** 1981 Dec 23;94(698):471

Code for description of pacemaker functions [letter] Tyers GF. **PACE** 1982 Jul;5(4):616–7

Classroom teachers' impressions of hearing impaired and deaf children. Blood IM, et al. **Percept Mot Skills** 1982 Jun; 54(3):877–8

Problems of the trainer and trainee in general practice. Gomez G. **Practitioner** 1981 Apr;225(1354):439–41

Burnout and its relationship to teachers' somatic complaints and illnesses. Belcastro PA. **Psychol Rep** 1982 Jun;50(3 Pt 2):1045–6

Suinn Test Anxiety Behavior Scale: normative data for graduate students in education. Ginter EJ, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1116–8

Teachers' perceptions of assertive and aggressive behavior at school: a discriminant analysis. Roberts A, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):827–32

Characteristics of effective teaching. Gardner JM. **Radiol Technol** 1981 May-Jun;52(6):607–9

Relationship between working environment, self-concept, real-ideal self discrepancy, and functionality in physical education teachers. Holmen MG, et al. **Res Q Exerc Sport** 1981 Oct;52(3):311–23

Educating the family practice resident in the use of community resources. Chapin BA. **Soc Work Health Care** 1981 Spring;6(3):49–56

The social worker as educator of family practice residents: principles for practice. Chernin ME. **Soc Work Health Care** 1981 Spring;6(3):25–34

Social workers in a Family Practice Residency Network. Twersky RK, et al. **Soc Work Health Care** 1981 Spring; 6(3):13–23

Teaching the behavioral science component in a family practice residency: social work role. Wolkenstein AS, et al. **Soc Work Health Care** 1981 Spring;6(3):35–47

[An analysis of the education courses for examination clinics] Dohn H, et al. **Ugeskr Laeger** 1981;143(33):2116–26 **(Dan)**

[Experience in teaching an experimental discipline (biology) in medical school. Big problems and little suggestions] Alescio T, et al. **Recenti Prog Med** 1980 Mar;68(3):327–45 (Eng. Abstr.) **(Ita)**

[The medical student and his teachers] Hunskår S. **Nord Med** 1982 Jun;97(6–7):184–6 **(Nor)**

[Self – Education in the field of educational problematics at the Psychiatric Department of the Medical Academy of Warsaw (author's transl)] Wardaszko-Lyskowska H, et al. **Psychiatr Pol** 1981 Mar-Apr;15(2):179–81 **(Pol)**

[Concern and attention to scientific research and the training of science teaching personnel] Shirinskiĭ PP, et al. **Sud Med Ekspert** 1981 Oct-Dec;24(4):3–6 **(Rus)**

HISTORY

Socrates revisited: his relevance today. Hoffmann WF. **J Fam Pract** 1982 Jan;14(1):179–80

MANPOWER

[Training of teachers for the military departments of medical colleges] Korotkikh PP, et al. **Voen Med Zh** 1981 Nov; (11):17–22 **(Rus)**

[Training the teacher for the military department of a medical college] Minaev VV, et al. **Voen Med Zh** 1981 Oct; (10):23–5 **(Rus)**

METHODS

Learning anesthesiology made less stressful by increasing teacher effectiveness. Tobias R. **AANA J** 1981 Aug; 49(4):386–8

Characteristics of teachers of emotionally disturbed adolescents. Algozzine B, et al. **Adolescence** 1982 Spring; 17(65):167–75

Classroom to community to classroom: a multi-media approach to teaching functional skills to multi-handicapped hearing-impaired students. Attletweed B, et al. **Am Ann Deaf** 1981 Sep;126(6):751–4

The use of creative movement, dramatics, and dance to teach learning-objectives to the hearing-impaired child. Chamberlain-Rickard P. **Am Ann Deaf** 1982 Jun; 127(3):369–73

Media and instructional techniques for Usher's syndrome. Fischer C. **Am Ann Deaf** 1981 Sep;126(6):582–6

A deaf-blind resource room. Grell G, et al. **Am Ann Deaf** 1981 Sep;126(6):681–8

The use of a multi-image slide presentation and experiential strategies to enhance personal/social development of deaf students with developmental disabilities. Kessler MI. **Am Ann Deaf** 1981 Sep;126(6):727–30

Conflict resolution training program: problem solving strategies for hearing-impaired students with behavior problems. Owner SZ, et al. **Am Ann Deaf** 1981 Sep; 126(6):619–26

The acquisition of creative thought processes via the study of creative people. Shaw CC. **Am Ann Deaf** 1981 Sep; 126(6):675–80

Training counseling and problem-solving skills with university students. Borck LE, et al. **Am J Community Psychol** 1982 Apr;10(2):225–37

Effects of the advance organizer with oral and written presentation on recall and inference of EMR adolescents. Peleg ZR, et al. **Am J Ment Defic** 1982 May;86(6):621–6

Teacher feedback to mentally retarded and nonretarded children. Raber SM, et al. **Am J Ment Defic** 1981 Sep; 86(2):148–56

Intraclassroom comparison of two arrangements for teaching profoundly mentally retarded children. Westling DL, et al. **Am J Ment Defic** 1982 May;86(6):601–8

Setting the stage for learning. Furlong B. **Am J Nurs** 1982 Feb;82(2):300–1

Conducting pre- and postconferences. Mitchell CA, et al. **Am J Nurs** 1982 May;82(5):823–5

'Natural methods' of foreign-language teaching: can they exist? What criteria must they meet? Diller K. **Ann NY Acad Sci** 1981;379:75–86

The effects of modularized instruction and traditional teaching techniques on cognitive and affective behaviors of student nurses [letter] Thompson MA. **ANS** 1981 Oct; 4(1):x–xi

Training procedures for acquisition and retention of reading in retarded youth. McGee GG, et al. **Appl Res Ment Retard** 1981;2(3):263–76

Correspondence between effectiveness and staff use of instructions for severely retarded persons. Repp AC, et al. **Appl Res Ment Retard** 1981;2(3):237–45

The role of the attending physician. Greganti MA, et al. **Arch Intern Med** 1982 Apr;142(4):698–9

Instructor pilot teaching behavior and student pilot stress in flight training. Krahenbuhl GS, et al. **Aviat Space Environ Med** 1981 Oct;52(10):594–7

The effect of 'block' and 'longitudinal' orthodontic teaching: a survey of the recently qualified graduates of two dental schools. Brown ID, et al. **Br J Orthod** 1982 Apr;9(2):98–106

Health education by children for children. Smith R. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):782–3

Training objectives and in-service training. Vaughan DH. **Community Med** 1981 Nov;3(4):333–6

Continuing ed: program development. Kamenir S. **Dimens Health Serv** 1982 Jul;59(7):38–9

Cognitive learning in the health sciences: a case for self-instruction. Gould B. **Educ Med Salud** 1982; 16(2):174–82

Regular classroom teacher involvement in the development and utilization of IEP's. Pugach MC. **Except Child** 1982 Jan;48(4):371–4

Is teaching ethics 'making' or 'doing'? Goodpaster KE. **Hastings Cent Rep** 1982 Feb;12(1):37–9

A psychologist looks at the teaching of ethics. Rest JR. **Hastings Cent Rep** 1982 Feb;12(1):29–36

Evaluating patient education: a case study of a diabetes program. Legge JS Jr, et al. **Health Educ Q** 1980 Summer; 7(2):148–58

The Mega-Code for training the advanced cardiac life support team. Kaye W, et al. **Heart Lung** 1981 Sep-Oct; 10(5):860–5

Three-way interviews and psychiatric training. Digiacomo JN. **Hosp Community Psychiatry** 1982 Apr;33(4):287–91

Tactile artificial sight: segmentation of images for scene simplification. Pun T. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):293–9

Training older people in empathy: effects on empathy, attitudes, and self-exploration. Isquick MF. **Int J Aging Hum Dev** 1981;13(1):1–14

The primary health care team: linked group discussion as a learning medium. Milne MA. **J Adv Nurs** 1981 Sep; 6(5):349–54

Digestive tract endoscopy: teaching with live television coverage. Jolly B, et al. **J Audiov Media Med** 1982 Jan; 5(1):4–8

Conventional and high-technology teaching methods for educating health professionals in developing nations. McArthur JR. **J Audiov Media Med** 1982 Jan;5(1):21–6

Oral hygiene instruction of adults by means of a self-instructional manual. Glavind L, et al. **J Clin Periodontol** 1981 Jun;8(3):165–76

Improving listening in the elementary grades. Meinders PM, et al. **J Commun Disord** 1981 Nov;14(6):513–8

Laboratory grouping based on previous courses. Doemling DB, et al. **J Dent Educ** 1981 Dec;45(12):797–800

An alternative approach to teaching statistics to dental students. Hutton JG Jr, et al. **J Dent Educ** 1982 Mar; 46(3):147–52

The swing lab and liaison committee in a preclinical restorative dentistry course. May KN, et al. **J Dent Educ** 1982 May;46(5):297–8

The effect of teaching method on endodontic problem solving. Mendel RW, et al. **J Dent Educ** 1982 Sep; 46(9):548–52

A case study of a nontraditional basic science curriculum. Roth GI, et al. **J Dent Educ** 1982 Jun;46(6):314–22

Teaching clinical problem solving in a preclinical operative dentistry course. Silvestri AR Jr, et al. **J Dent Educ** 1981 Nov; (11):765–8

Teaching styles in the faculty-resident relationship. Bibace R, et al. **J Fam Pract** 1981 Nov;13(6):895–900

Faculty development and evaluation of teaching performance [editorial] Geyman JP. **J Fam Pract** 1982 Jun;14(6):987–8

Telephone management training [letter] Smith SR. **J Fam Pract** 1982 Jan;14(1):22–4

Patient simulation and team-teaching in a medical interviewing course. Coulehan JL, et al. **J Med Educ** 1982 Jul;57(7):560–2

The effect on instructor-student interaction of video replay to teach history-taking skills. Davis JC, et al. **J Med Educ** 1981 Oct;56(10):864–6

Clinical discussion groups: verbal participation and outcomes. Foster PJ. **J Med Educ** 1981 Oct;56(10):831–8

Teaching residents how to teach: a one-year study. Jewett LS, et al. **J Med Educ** 1982 May;57(5):361–6

Teaching episiotomy incision and repair to medical students and junior residents. Lupe P, et al. **J Med Educ** 1981 Oct; 56(10):866

Teaching the mental status examination: comparison of three methods. Pohl R, et al. **J Med Educ** 1982 Aug;57(8):626–9

Retention of knowledge in clinical biochemistry and the effect of the Keller Plan. Schwartz PL. **J Med Educ** 1981 Sep;56(9 Pt 1):779–81

Peer teaching in gross anatomy. Yeager VL. **J Med Educ** 1981 Nov;56(11):922

Consultation-liaison outcome evaluation system, Part I. Teaching, applications. Mackenzie TB, et al. **J Nerv Ment Dis** 1981 Oct;169(10):648–53

Instructional aid for teaching removable partial denture design. Williams EO, et al. **J Prosthet Dent** 1982 Aug; 48(2):222

Group dynamic practices applied to health education. Grubel MF. **J Sch Health** 1981 Dec;51(10):656–8

Competing with Ronald McDonald, Cap'n Crunch and the Pepsi generation. Kamholtz JD, et al. **J Sch Health** 1982 Jan;52(1):17–8

Alyce annie: a new CPR home practice manikin. Schultz A, et al. **J Sch Health** 1981 Sep;51(8):507–11

Activities for National Children's Dental Health Month. Seffrin S. **J Sch Health** 1982 Jan;52(1):37

Decision story strategy: a practical approach for teaching decision making. Smith DL, et al. **J Sch Health** 1981 Dec; 51(10):637–40

First, teach them to read: practical suggestions for health teachers in secondary schools. Thompson KG, et al. **J Sch Health** 1982 Mar;52(3):180–2

Training of medical assistants in maternal and child health in Ifakara, Tanzania: their reaction to the challenge of active participation in the classroom. Bollag U. **J Trop Pediatr** 1982 Feb;28(1):20–4

One approach to teaching cultural similarities and differences. Baker CM, et al. **JNE** 1982 Apr;21(4):17–22

Nursing continuing education: California to Texas via teleconference. Graham LE, et al. **JNE** 1982 Feb;21(2):45–7

Client assessment: an integrated model. Hill L, et al. **JNE** 1981 Nov;20(9):16–23

Development and implementation of a contract grading system. Kruse LC, et al. **JNE** 1982 May;21(5):31–7

Teaching psychiatric/mental health nursing via the contract for learning activities. Lord AS, et al. **JNE** 1982 Apr; 21(4):23–8

Too much instruction--too little learning: an experience in teaching community health nursing. Miller T. **JNE** 1982 Apr;21(4):4–11

The use of case studies in bioethics courses. Mitchell JJ Jr. **JNE** 1981 Nov;20(9):31–6

Innovation in orientation: a community health learning package. Seigel H. **JNE** 1982 May;21(5):8–15

Teaching through groups. Smallegan MJ. **JNE** 1982 Jan; 21(1):23–31

On promoting creativity. Stafford L. **JNE** 1981 Sep; 20(7):27–30

Effectiveness of breast self-examination teaching to women of low socioeconomic class. McLendon MS, et al. **JOGN Nurs** 1982 Jan–Feb;11(1):7–10

An evaluation of a workshop on educational methods for health science teachers in Lagos, Nigeria. Bamisaiye A, et al. **Med Educ** 1982 May;16(3):161–5

The impact of instructional style on the development of professional characteristics. Colditz GA, et al. **Med Educ** 1982 May;16(3):127–32

Interdisciplinary field training research and rural development programme. Hamad B. **Med Educ** 1982 Mar; 16(2):105–7

The relationship between prior clerkship experience and student performance in medicine clerkships. Implications for grading. Jackson JR, et al. **Med Educ** 1982 May; 16(3):133–6

A model case-study for teaching the principles of emergency medical referrals in a rural African setting. Kale OO. **Med Educ** 1981 Nov;15(6):383–8

The psychiatrist and family medicine: a different training approach. Lesser AL. **Med Educ** 1981 Nov;15(6):398–406

Undergraduate teaching of orthopaedic surgery. Norris SH. **Med Educ** 1982 May;16(3):166–9

A comparison of teaching by script and slides with audiotape and slides. Parbrook EO, et al. **Med Educ** 1982 Mar; 16(2):97–101

Theoretical versus practical orientations in pre-clinical biochemistry teaching. Redford-Ellis M, et al. **Med Educ** 1982 Mar;16(2):76–80

A factor analytic study of teaching in off-campus general practice clerkships. Shellenberger S, et al. **Med Educ** 1982 May;16(3):151–5

Therapy, counselling and small-group learning: some similarities and differences examined from a linguistic viewpoint. Sketchley J. **Med Educ** 1982 Mar;16(2):88–93

Integrated medical student teaching. A combined course in community medicine, general practice, geriatric medicine and mental health. Stout RW, et al. **Med Educ** 1982 May; 16(3):143–6

Patient preferences and the bedside manner. Thompson JA, et al. **Med Educ** 1982 Jan;16(1):17–21

Prompting sequences in teaching independent living skills. Walls RT, et al. **Ment Retard** 1981 Oct;19(5):242–5

Faculty role modeling. Archer SE, et al. **Nurs Outlook** 1981 Oct;29(10):586–9

Clinical evaluation--an instructor's dilemma. Meisenhelder JB. **Nurs Outlook** 1982 Jun;30(6):348–51

Program articulation: what it is and what it is not. Stevens BJ. **Nurs Outlook** 1981 Dec;29(12):700–6

GUTS: teaching assertiveness skills by stimulation and gaming. Hamm BH, et al. **Nurs Res** 1982 Jul–Aug; 31(4):246–7

Stimulating excitement in first aid training. Hartunian P. **Occup Health Saf** 1981 Dec;50(12):18–22

Self-instruction guides in the undergraduate oral surgery curriculum. Smith RA, et al. **Oral Surg** 1981 Jul;52(1):28–30

Simulation games as a teaching technique in psychiatric nursing. Davidhizar RE. **Perspect Psychiatr Care** 1982 Jan–Mar;20(1):8–12

A brief look at medical grand rounds. Bogdonoff MD. **Pharos** 1982 Winter;45(1):16–8

Pedagogy, self-education, and the information explosion. Waugh D. **Pharos** 1982 Spring;45(2):20–1

Experimental studies to increase BSE-preliminary findings. Grady KE, et al. **Prog Clin Biol Res** 1982;83:91–105

The prevention SCIT: developing a system for communicating smoking and cancer issues to teachers. Harsen JM, et al. **Prog Clin Biol Res** 1982;83:373–9

Psychiatric education of the internist: a teaching conference approach. Brown JT, et al. **Psychosomatics** 1981 Dec; 22(12):1038–43

How to link theory and practice in training courses. Smith RF. **Radiography** 1982 Mar;48(567):47–57

Research implications on choosing a program to teach about disabilities. Heinisch BS. **Rehabil Lit** 1981 Nov–Dec; 42(11–12):344–6

The micro- or home computer as a teaching aid in postgraduate medical study. La Grange PD, et al. **S Afr Med J** 1982 Mar 27;61(13):485–7

Integration and teaching styles. Lynas W. **Spec Educ Forward Trends** 1981 Sep;8(3):11–4

Daily evaluation in the classroom. Muncey J, et al. **Spec Educ Forward Trends** 1981 Sep;8(3):31–4

Teaching with precision. Raybould T, et al. **Spec Educ Forward Trends** 1982 Jun;9(2):9–13

Bedside teaching. Morgan WL Jr. **Trans Am Clin Climatol Assoc** 1981;93:164–71

[Pedagogical training of medical school teachers in the USSR (author's transl)] Mareš J. **Cas Lek Cesk** 1982 Jan 22; 121(3):83–5 (Eng. Abstr.) (Cze)

[Studies of the use of audiovisual aids in teaching of normal human anatomy] De' Faveri Tron M, et al. **Arch Ital Anat Embriol** 1981;86(1–2):183–8 (Eng. Abstr.) (Ita)

[Debatable questions in the teaching of medical embryology] Klishov AA, et al. **Arkh Anat Gistol Embriol** 1982 May; 82(5):99–105 (Rus)

[Problems in integrating the teaching of specialty disciplines in a health and hygiene department] Borisenko NF, et al. **Gig Sanit** 1981 Oct;(10):51–4 (Rus)

[Topic assignment: an important form of student academic research work] Borisenko NF, et al. **Gig Sanit** 1982;(1):36–9 (Rus)

[Teaching young schoolchildren measures for preventing injuries] Karataeva NB, et al. **Gig Sanit** 1982 May;(5):49–52 (Rus)

[Effectiveness of the teaching of nutritional hygiene to health officers by advanced lecture series] Karpliuk IA, et al. **Gig Sanit** 1982 May;(5):40–2 (Rus)

[Forms of controlling the knowledge of hygiene disciplines of students and physician trainees] Sychev AA, et al. **Gig Sanit** 1982 Jun;(6):61–2 (Rus)

[Attempt at introducing the elements of student-independent work into the academic process] Tarasenko NIu, et al. **Gig Sanit** 1981 Jul;(7):37–40 (Rus)

[Teaching the course 'Age-related Physiology and School Hygiene' in a pedagogical institute] Zhilov IuD. **Gig Sanit** 1981 Aug;(8):46–8 (Rus)

[Role of the 'paired object' method in the teaching of roentgenology] Firsov EF, et al. **Med Radiol (Mosk)** 1981 Dec;26(12):73 (Rus)

[Organization of independent work by students in the study of endocrinology] Bodnar PN, et al. **Probl Endokrinol (Mosk)** 1982 Mar–Apr;28(2):79–80 (7 ref.) (Rus)

[Organization and management of the teaching process in a department of advanced surgery] Lukomskii GI, et al. **Sov Med** 1981;(10):80–4 (Rus)

[Integration of the teaching of social hygiene and public health organization with clinical departments] Miniaev VA, et al. **Sov Zdravookhr** 1982;(6):43–5 (Rus)

[Family social hygiene studies as 1 of the forms of student academic research work] Panachina MI, et al. **Sov Zdravookhr** 1982;(4):39–42 (Rus)

[Planning of academic methodological work in a medical institute] Zakharova OA, et al. **Sov Zdravookhr** 1981; (9):58–61 (Eng. Abstr.) (Rus)

[Problem-oriented instruction in departments of operative surgery and topographical anatomy in the training of dentists] Toporov GN, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):63–5 (Rus)

[Organization of student instructional, academic and research work in the Department of Forensic Medicine of the Leningrad Health and Hygiene Medical Institute] Dement'eva NM, et al. **Sud Med Ekspert** 1981 Oct–Dec; 24(4):49–51 (Rus)

[Experience in improving the qualifications of dermatologists and venereologists by postgraduate lecture tours] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):29–32 (Eng. Abstr.) (Rus)

[Our experience in teaching venereology to interns in obstetrics and gynecology] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):48–50 (Eng. Abstr.) (Rus)

[Instructional, methodological and ideological education work experience in the Department of Skin Diseases of the Pirogov II Moscow Medical Institute] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):35–8 (Rus)

[Preparation and conduction of pedagogical experiment with regard to teaching ophthalmological subjects at the Chair of pediatrics] Lantukh VV. **Vestn Oftalmol** 1981 Sep–Oct; (5):60–1 (Eng. Abstr.) (Rus)

[Optimizing the teaching of therapy in a military medicine department] Barashkov NA, et al. **Voen Med Zh** 1981 Sep; (9):17–9 (Rus)

[Method of teaching military field surgery] Shvabe IuIa, et al. **Voen Med Zh** 1981 Nov;(11):22–3 (Rus)

[Means of stimulating independent cognitive activities in students] Sukhanov NV. **Voen Med Zh** 1981 Dec;(12):22–5 (Rus)

[Experience teaching rheumatology in medical institutes] Bagirova VV. **Vopr Revm** 1981 Apr–Jun;(2):61–3 (Rus)

[Modern methods of teaching cardiorheumatology in pediatrics] Barlybaeva NA. **Vopr Revm** 1981 Oct–Dec; (4):63–4 (Rus)

[Experience in introducing academic research work into the process of training the hygienist and epidemiologist] Kalmykova GN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):118–20 (Rus)

[Methodology and content of seminar classes for student physicians in postgraduate training] Khisamutdinov AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):116–8 (Rus)

STANDARDS

Students' perceptions of instructor performance in specialized professional training programs in deafness: recommendations for teaching strategies. Zieziula FR. **Am Ann Deaf** 1981 Dec;126(9):1037–42

An evaluation of a workshop for teachers of nursing by comparing the members' expectations with their opinions of the outcome. Sheahan J. **J Adv Nurs** 1981 Nov; 6(6):483–9

Teaching effectiveness in coordinated undergraduate program in dietetics. Assessments of students, graduates, and program directors. Spence H, et al. **J Am Diet Assoc** 1982 Aug;81(2):151–8

Teaching behaviors of clinical instructors. Use of the critical incident technique to determine teacher effectiveness. Weitzenfeld DP, et al. **J Am Diet Assoc** 1982 May; 80(5):450–4

A survey of health education in Western Kentucky high schools. Higgins CW, et al. **J Sch Health** 1982 Mar; 52(3):162–7

Faculty and student perceptions of effective clinical teachers. Brown ST. **JNE** 1981 Nov;20(9):4–15

Clinical instruction in nursing: a national survey. Meleca CB, et al. **JNE** 1981 Oct;20(8):32–40

Validity of students' ratings of clinical instructors. Benbassat J, et al. **Med Educ** 1981 Nov;15(6):373–6

Clinical evaluation of the nursing instructor: another dimension of professional accountability. Curry MA. **Nurs Forum** 1981;20(1):62–71

[Work of the Department of Histology, Cytology and Embryology of the Kiev Medical School as the basis for a college for improving the qualifications of medical university teachers in the USSR] Kabak KS, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):115–7 (Rus)

[Means of improving the teaching of maxillofacial traumatology in medical, pediatric and health and hygiene departments] Bazhanov NN, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):60–2 (Rus)

[Improvement in the level of teaching surgery to graduate course students] Grinev MV. **Voen Med Zh** 1982 Mar; (3):20–2 (Rus)

TRENDS

[Ideological and educat l trends in ophthalmology teaching in the medica itute] Smelovskii AS, et al. **Oftalmol Zh** 1981;36(3): -2 (Rus)

[Experience in the teaching of radiology at the II Moscow Medical Institute] Khomiakov IuS, et al. **Vestn Rentgenol Radiol** 1982;(2):71–3 (Rus)

TEACHING MATERIALS

Classroom to community to classroom: a multi-media approach to teaching functional skills to multi-handicapped hearing-impaired students. Attletweed B, et al. **Am Ann Deaf** 1981 Sep;126(6):751–4

Hearing-impaired learner with special needs: the deaf-blind. Bishop CM. **Am Ann Deaf** 1981 Sep;126(6):654–61

The instructional technologist and hearing-impaired learner: determining a need for professional development support. Carroll J. **Am Ann Deaf** 1982 Jun;127(3):365–8

Media for ability, not disability. Chapman D. **Am Ann Deaf** 1981 Sep;126(6):612–8

Lens curve instructional media. Coyle PG. **Am Ann Deaf** 1981 Sep;126(6):747–50

Creating instructional media to meet the needs of preschool hearing-impaired children with developmental disabilities. Evans JF. **Am Ann Deaf** 1981 Sep;126(6):689–702

Media and instructional techniques for Usher's syndrome. Fischer C. **Am Ann Deaf** 1981 Sep;126(6):582–6

Media design for the gifted hearing impaired. Fleury P, et al. **Am Ann Deaf** 1981 Sep;126(6):715–21

Use of media in teaching the hearing-impaired student who has additional learning problems. Flores R. **Am Ann Deaf** 1981 Sep;126(6):662–8

Television program + script = high motivation in vocabulary and English. Hendricks P, et al. **Am Ann Deaf** 1981 Sep;126(6):755–9

Use of educational media in preparing 'gifted' hearing-impaired children for early mainstreaming. Lieding R. **Am Ann Deaf** 1981 Sep;126(6):607–11

An interdisciplinary approach to instructional media production. McLean BM, et al. **Am Ann Deaf** 1981 Sep; 126(6):669–74

Media development project for the hearing impaired: project update. Propp G, et al. **Am Ann Deaf** 1981 Sep;126(6):760–8

How the use of media will develop the 'gift of gab' in gifted hearing-impaired students. Solomon J. **Am Ann Deaf** 1981 Sep;126(6):578–81

Hearing-impaired learner with special needs: summary. Stepp RE Jr. **Am Ann Deaf** 1981 Sep;126(6):769–74

Findings of teaching aids study are inaccurate [letter] Wakefield DS. **Am J Occup Ther** 1981 Oct;35(10):668–9

Use of a drinking straw in teaching external jugular caval

catheterization. Lindsey D. **Ann Emerg Med** 1981 Dec; 10(12):643–4
Resistance behaviors and teaching media for children in day surgery. Abrams L. **AORN J** 1982 Feb;35(2):244–58
An improved method for the preservation of teaching specimens. Bickley HC, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):674–6
The aging game: a new teaching method in geriatric medicine. Robertson D, et al. **J Am Geriatr Soc** 1981 Dec; 29(12):576–8
Left brain–right brain theory and the design of medical teaching materials. Gilder RS. **J Audiov Media Med** 1982 Apr;5(2):45–50
Reaching the region: a re-assessment of the educational technology service provided by Southampton University for the Wessex Health Region. Hart A. **J Audiov Media Med** 1981 Apr;4(2):62–5
Microfiche-based exercise in clinical microbiology--a valuable assessment technique for teachers and students. Hartwig NG, et al. **J Audiov Media Med** 1981 Jan;4(1):26–8
A multiple-choice quiz board for health education. Paton JS, et al. **J Audiov Media Med** 1980 Jul;3(3):107–8
Instant scanning electron microscopy in teaching. Pelliniemi LJ, et al. **J Audiov Media Med** 1982 Jan;5(1):12–3
A method for developing breast teaching models. Wilcox MA, et al. **J Audiov Media Med** 1982 Apr;5(2):58–60
A systematic approach to medical motion picture production. Myers RL. **J Biol Photogr** 1981 Oct;49(4):123–36
Evaluation of two Salmonella typhi strains with reduced virulence for use in teaching and proficiency testing. Hickman FW, et al. **J Clin Microbiol** 1982 Jun; 15(6):1085–91
A learning aid for DSM-III: computerized prompting of diagnostic criteria. Swartz CM, et al. **J Clin Psychiatry** 1981 Sep;42(9):359–61
An instructional resource center in a senior dental clinic. Berrong JM, et al. **J Dent Educ** 1982 Aug;46(8):479–84
A cardiology patient simulator for continuing education of family physicians. Gordon MS, et al. **J Fam Pract** 1981 Sep;13(3):353–6
Partial denture design: a simple teaching aid. Cowles KR. **J Prosthet Dent** 1982 Feb;47(2):219
Moneymed: a game to develop management skills in general practice. Essex B, et al. **J R Coll Gen Pract** 1981 Dec; 31(233):735–9
Sources of dental health teaching aids. Crawford JH. **J Sch Health** 1982 Jan;52(1):54–6
Industry-sponsored dental health teaching aids: selection criteria and program examples. Travis DL. **J Sch Health** 1982 Jan;52(1):57–8
Simple electronic analogue for teaching on the nerve cell. Roy G, et al. **Med Biol Eng Comput** 1981 Nov;19(6):749–58
Use of video-tapes in psychological medicine. Parameshvara Deva M. **Med J Malaysia** 1981 Dec;36(4):268–71
There are many benefits for doctor with good patient education programs. Hatton RL. **Mich Med** 1981 Nov; 80(32):582–4
Radiographs on television. Penney JC, et al. **Radiography** 1981 Nov;47(563):273–5
Primary health care nurse training in Kwazulu. An evaluation of diagnostic flow charts versus a conventional training method. Solarsh G, et al. **S Afr Med J** 1982 Jul 17; 62(3):100–4
[Evaluation of audiovisual media. Goal and method] Dahmer J. **Med Welt** 1981 Oct 16;32(42):1596–8 **(Ger)**
[Television recording and demonstration of open surgical procedures with a new system (author's transl)] Mauermayer W, et al. **Urologe [Ausg A]** 1981 Mar; 20(2):102–4 (Eng. Abstr.) **(Ger)**
[Pictures in scientific information] Tripodi F. **Recenti Prog Med** 1982 Mar;72(3):379–81 **(Ita)**
[Principles of organizing laboratory projects in pharmacology] Kharkevich DA. **Farmakol Toksikol** 1981 Nov-Dec;44(6):726–33 **(Rus)**
[Methodical study aid for self-training of students in hospital internal medicine] Komarov FI, et al. **Klin Med (Mosk)** 1981 Feb;59(2):114–7 **(Rus)**
[Training of community health aides by means of a self-instruction 'package'] Dalhaus AA. **Educ Med Salud** 1981;15(2):124–33 (Eng. Abstr.) **(Spa)**
[The computer as patient. Trials with computer-based simulation in medical education in Umeå] Bergin R, et al. **Nord Med** 1981 Oct;96(10):244–6 **(Swe)**

ECONOMICS

Designing interactive materials for cost-effective learning. Forsdale JR. **Am Ann Deaf** 1981 Sep;126(6):722–6
Cost recovery for instructional resources--boon or bane? Klosevych S. **J Audiov Media Med** 1981 Apr;4(2):49–51

STANDARDS

Dental health: testing the readability of educational materials. Blinkhorn AS. **Int J Health Educ** 1982;24(3):200–3

SUPPLY & DISTRIBUTION

Classroom films for medical geography. Weil C. **Soc Sci Med [D]** 1981 Aug;15D(3):417–20

TEAR GASES

ADVERSE EFFECTS

[Morphological findings in the rabbit cornea after tear gas cauterization (author's transl)] Pfannkuch F, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(4):177–84 (Eng. Abstr.) **(Ger)**

POISONING

[Acute exposure to CS tear gas and clinical studies] Krapf R, et al. **Schweiz Med Wochenschr** 1981 Dec 26; 111(52):2056–60 (Eng. Abstr.) **(Ger)**

TEARS

Bloody tears [letter] Eiferman RA. **Am J Ophthalmol** 1982 Apr;93(4):524–5
Granuloma pyogenicum of the palpebral conjunctiva. Sen DK. **J Pediatr Ophthalmol Strabismus** 1982 Mar-Apr; 19(2):112–4
[Bloody tears. An unusual clinical symptom] Riedel K, et al. **MMW** 1982 Mar 26;124(12):297–8 **(Ger)**

ANALYSIS

Lysozyme, alfa-1-antitrypsin and serum albumin in tear fluid of timolol treated glaucoma patients with and without symptoms of dry eyes. Nielsen NV, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):503–9
Effect of stimulus on the chemical composition of human tears. Frey WH 2d, et al. **Am J Ophthalmol** 1981 Oct; 92(4):559–67
Eosinophil granule major basic protein and Charcot-Leyden crystal protein in human tears. Udell IJ, et al. **Am J Ophthalmol** 1981 Dec;92(6):824–8
Tear film analysis. Hill RM. **Am J Optom Physiol Opt** 1981 Aug;58(8):609–13
Biochemical and surface characteristics of human tear proteins. Holly FJ, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):43–50
Calcium and protein in tears: diurnal variation. Huth SW, et al. **Arch Ophthalmol** 1981 Sep;99(9):1628–33
Distribution of penicillin in the cornea, tears and aqueous humour at various times following a single intravenous injection. Avaria M, et al. **Can J Ophthalmol** 1982 Feb; 17(1):21–3
Comparison of electrophoretic techniques for the analysis of human tear fluid proteins. Janssen PT, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):207–18
The free fraction of valproic acid in tears, saliva, and cerebrospinal fluid. Monaco F, et al. **Epilepsia** 1982 Feb; 23(1):23–6
Isolation and purification of bactericides from human tears. Selsted ME, et al. **Exp Eye Res** 1982 Mar;34(3):305–18
Human tear lysozyme. A comparison of electro-immunodiffusion, radial immunodiffusion and a spectrophotometric assay. Grabner G, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):265–70
Concentrations of antimicrobial agents in middle ear fluid, saliva and tears. Nelson JD, et al. **Int J Pediatr Otorhinolaryngol** 1981 Dec;3(4):327–34
Human tear glucose. Daum KM, et al. **Invest Ophthalmol Vis Sci** 1982 Ap.;22(4):509–14
Tear calcium levels in normal subjects. Caldeira JA, et al. **Ophthalmologica** 1982 Jan;184(2):114–9
Functional exploration of the lacrimal gland by tear electrophoresis. Liotet S, et al. **Ophthalmologica** 1982 Jan; 184(2):87–91
[Clinical examination and semiologic value of the superficial lacrimal lipid film] Royer J, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:183–6 **(Fre)**

DRUG EFFECTS

The effect of calcium dobesilate on albumin leakage of the conjunctival vessels. van Bijsterveld OP, et al. **Curr Eye Res** 1981;1(7):425–30
The influence of long-term treatment with timolol on human tear lysozyme albumin content. Strasser G, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):93–5
Bromhexine treatment of Sjögren's syndrome: effect on lacrimal and salivary secretion, and on proteins in tear fluid and saliva. Manthorpe R, et al. **Scand J Rheumatol** 1981; 10(3):177–80

ENZYMOLOGY

Lysozyme content of tears in some external eye infections. Avisar R, et al. **Am J Ophthalmol** 1981 Oct;92(4):555–8
Immunochemical determination of human tear lysozyme (muramidase) in keratoconjunctivitis sicca. Janssen PT, et al. **Clin Chim Acta** 1982 May 20;121(2):251–60
Protease activities in human tears. Tsung PK, et al. **Curr Eye Res** 1981;1(6):351–5
Effect of genetic diabetes on beta – N-acetylglucosaminidase activity in tears and retina. Rao GM. **Horm Metab Res** 1981 Sep;13(9):533–4
Investigation of the accuracy of tear lysozyme determination by the Quantiplate method. Copeland JR, et al. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):103–10

IMMUNOLOGY

A contribution to the immunopathology of vernal keratoconjunctivitis. Sompolinsky D, et al. **Doc Ophthalmol** 1982 May 14;53(1):61–92
Inhibition of hemolytic complement activity by lactoferrin in tears. Veerhuis R, et al. **Exp Eye Res** 1982 Feb; 34(2):257–65
Comparison fo agglutinin titers for Streptococcus mutans in tears, saliva, and serum. Allansmith MR, et al. **Infect Immun** 1982 Jan;35(1):202–4
Immunoglobulin A antibody levels in human tears, saliva, and serum. Burns CA, et al. **Infect Immun** 1982 Jun; 36(3):1019–22
Serum and tear antibodies to Chlamydia after reinfection with guinea pig inclusion conjunctivitis agent. Malaty R, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):833–41
[Demonstration of local production of antiherpetic antibodies in tears and its development over the years] Liotet S, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:187–90 **(Fre)**
[Local production of immunoglobulin E in allergic conjunctivitis] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):17–9 **(Fre)**
[Immune complexes and soluble immunoglobulin G aggregates: error factors when determining immunity loads in tears and serum (author's transl)] Liotet S, et al. **J Fr Ophtalmol** 1982;5(1):41–4 (Eng. Abstr.) **(Fre)**
[Immunoglobulin content of the lacrimal fluid with intraocular correction] Malanova NL, et al. **Oftalmol Zh** 1982;37(1):26–8 (Eng. Abstr.) **(Rus)**
[Immunoglobulin level in the serum and tears in uveitis] Murav'eva TV, et al. **Vestn Oftalmol** 1981 Sep-Oct;(5):50–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Measuremen of lithium concentrations in human tears. Brenner R, et al. **Am J Psychiatry** 1982 May;139(5):678–9
Ocular irritation from high-dose methotrexate therapy: pharmacokinetics of drug in the tear film. Doroshow JH, et al. **Cancer** 1981 Nov 15;48(10):2158–62
Concentrations of N-(phosphonacetyl)-L-aspartate (PALA) in plasma and tears in man. Lankelma J, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1199–204
Clinical biochemistry of tears. Van Haeringen NJ. **Surv Ophthalmol** 1981 Sep-Oct;26(2):84–96 (156 ref.)
Etho·uximide in tears, saliva, and cerebrospinal fluid. Piredda S, et al. **Ther Drug Monit** 1981;3(4):321–3
[Examinat·on of tear film by specular microscopy (author's transl)] Clip H, et al. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):49–52 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Quantitation of herpes simplex virus type 1 shed in preocular tear film of rabbits treated with acyclovir. Green MT, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):580–2
Quantitation of herpes simplex virus in vitro and in preocular tear film. Green MT, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):882–6
Electron microscopy for the diagnosis of ocular viral infections. Boerner CF, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1377–81

PHYSIOLOGY

Effects of contact lens deformation on tear film pressures induced during blinking. Conway HD, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):13–20
Tear film physiology and contact lens wear. I. Pertinent aspects of tear film physiology. Holly FJ. **Am J Optom Physiol Opt** 1981 Apr;58(4):324–30
Tear film physiology and contact lens wear. II. Contact lens-tear film interaction. Holly FJ. **Am J Optom Physiol Opt** 1981 Apr;58(4):331–41
The change of precorneal tear film by the application of contact lenses. Hamano H. **Contact Intraocular Lens Med J** 1981 Jul-Sep;7(3):205–9
Human precorneal tear film pH measured by microelectrodes. Fischer FH, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(3):168–70
Ophthalmic fluorophotometry: a new solid state fluorophotometer. Jones DP, et al. **J Biomed Eng** 1982 Apr; 4(2):113–7
Basal and reflex human tear analysis. I. Physical measurements: osmolarity, basal volumes, and reflex flow rate. Farris RL, et al. **Ophthalmology (Rochester)** 1981 Aug; 88(8):852–7
[Critical review of our knowledge and presentation of a new working hypothesis concerning the stability of the precorneal tear film (PCTF) (author's transl)] Haberich FJ, et al. **Klin Monatsbl Augenheilkd** 1982 Feb;180(2):115–26 (Eng. Abstr.) **(Ger)**
[Studies on the precorneal tear film. First communication: an optical system for demonstrating tear film without fluorescein (author's transl)] Lingelbach B, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):216–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Sanguineous tears following head trauma: report of a case and review of the literature. Wetmore RF, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):184–6

SECRETION

Normal sweating and tear production in congenital ichthyosiform erythroderma with deafness and keratitis. van Everdingen JJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):76–8

Tear production in vitamin A–responsive xerophthalmia. Sommer A, et al. **Am J Ophthalmol** 1982 Jan;93(1):84–7

Inhibition of salivary and lacrimal secretion by an enkephalin analogue [letter] Sullivan SN. **Am J Psychiatry** 1982 Mar; 139(3):385–6

Sarcoidosis manifesting as eyelid swelling. Diestelmeier MR, et al. **Arch Dermatol** 1982 May;118(5):356–7

Dry eye syndrome and other tear film abnormalities. Jelks GW, et al. **Clin Plast Surg** 1981 Oct;8(4):803–10

The role of the lids in soft lens spoilage. Tripathi RC, et al. **Contact Intraocular Lens Med J** 1981 Jul–Sep; 7(3):234–41

Management of intractable epiphora. Singhal NC. **Indian J Ophthalmol** 1981 OCT;29(3):235–7

The effect of contact lenses on ocular responses to sulphur dioxide. Coe JE, et al. **J Soc Occup Med** 1982 Apr; 32(2):92–4

Ocular findings of acute cytomegalovirus infection in an immunologically competent adult. England AC 3d, et al. **N Engl J Med** 1982 Jul 8;307(2):94–5

Minimal tear flows [letter] Goldstein AM. **Ophthalmology (Rochester)** 1982 Mar;89(3):290

Basal and reflex human tear analysis. II. Chemical analysis: lactoferrin and lysozyme. Stuchell RN, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):858–61

Curiosa Paediatrica VI: Dacryohaemorrhoea. James T. **S Afr Med J** 1982 Aug 7;62(7):218

[Contribution of infrared thermography to the study of the lacrimal film] Deschamps F, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1155–7 (Eng. Abstr.) **(Fre)**

TECHNETIUM

The influence of reducing agents on the composition of 99Tc–complexes: implications for 99mTc–radiopharmaceutical preparation. Baldas J, et al. **Eur J Nucl Med** 1982;7(4):187–9

Tc–generators – yield of 99mTc and ratio to 'inactive' 99Tc. Bauer R, et al. **Eur J Nucl Med** 1982;7(1):35–6

Analysis of 99mTc–pyridoxylidene–glutamate complex formation and its preparation with tin–adsorbed–resin: Sn–Resin kit method. Horiuchi K, et al. **Eur J Nucl Med** 1981 Dec;6(12):567–72

Determination of radiochemical purity and stability of 99mTc–diethyl HIDA. Jovanović V, et al. **Eur J Nucl Med** 1981;6(8):375–8

Composition of 99mTc–HIDA as a function of time after kit preparation [letter] Nicholson RW, et al. **Eur J Nucl Med** 1982;7(5):242

Evaluation of methods for sizing of colloidal radiopharmaceuticals. Pedersen B, et al. **Eur J Nucl Med** 1981;6(11):521–6

Cell labelling with colloidal substances in whole blood. Schroth HJ, et al. **Eur J Nucl Med** 1981;6(10):469–72

External radiation exposure of personnel working with 99mTechnetium. Schürnbrand P, et al. **Eur J Nucl Med** 1982;7(5):237–9

The determination of methylene diphosphonic acid in lyophilized radiopharmaceuticals. Barnes RK, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):174–5

Reaction of 99mTc–diphosphonate with N–donor ligands. Johannsen B. **Int J Appl Radiat Isot** 1982 Jun;33(6):429–32

Valence state of technetium in technetium methylene diphosphonate at tracer concentrations, measured by amperometry. Mulder G, et al. **Int J Appl Radiat Isot** 1981 Sep;32(9):675–7

Formation of 99mTc–plasmin in presence of gentisic acid using 99mTc pretreated with concentrated hydrochloric acid and vacuum evaporation. Sundrehagen E. **Int J Appl Radiat Isot** 1982 Feb;33(2):93–7

The influence of experimental conditions on the formation of various 99mTc(Sn)EHDP complexes. van den Brand JA, et al. **Int J Appl Radiat Isot** 1982 Jan;33(1):39–45

Preparation of technetium–99–DMS renal complex in solution and its chemical and biological characterization. Vanlić–Razumenić N, et al. **Int J Appl Radiat Isot** 1982 Apr;33(4):277–84

Quality control studies of 99mTc–labeled radiopharmaceuticals by high–performance liquid chromatography. Wong SH, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):185–6

Technetium–99 m complexes of EDTA analogs: studies of the radiochemistry and biodistribution. Baker RJ, et al. **Int J Nucl Med Biol** 1981;8(2–3):159–69

An attempt to use the Tc–99m–thiodisuccinic acid (TDSA) complex in renoscintigraphy. I. Preparation of the complex. Ogiński M. **Int Urol Nephrol** 1981;13(4):315–9

Labeling of preformed liposomes with Ga–67 and Tc–99m by chelation. Hnatowich DJ, et al. **J Nucl Med** 1981 Sep; 22(9):810–4

Influence of 1,8–dihydroxyanthraquinone and loperamide on the paracellular permeability across colonic mucosa. Verhaeren EH, et al. **J Pharm Pharmacol** 1981 Aug; 33(8):526–8

99mTc–labelled compounds prepared with sodium dithionite as reducing agent. Vilček S, et al. **Nuklearmedizin** 1981 Dec;20(6):283–9

Comparison between modulation transfer function curves and a new type of phantom for the assessment of the Anger camera performance in 99mTc and 201Tl studies. Guidarelli G, et al. **Ric Clin Lab** 1981 Jul–Sep;11(3):271–7

ADMINISTRATION & DOSAGE

An improved technique for inhalation imaging. Adiseshan N. **Clin Nucl Med** 1982 Apr;7(4):180–6

Hyperdynamic radionuclide cerebrospinal fluid study. Bladwin RD, et al. **Clin Nucl Med** 1982 Feb;7(2):82

Bone scanning in assessing viability of vascularized skeletal tissue transplants. Lipson RA, et al. **Clin Orthop** 1981 Oct; (160):279–89

Efficacy of various syringe shields for 99mTc. McElroy NL. **Health Phys** 1981 Sep;41(3):535–42

Radiation dose to bladder wall following the administration of 99mTc–microspheres and 99mTc–DTPA. Smith T. **Health Phys** 1981 Nov;41(5):777–80

The use of a commercially available aerosol apparatus for lung ventilation studies. Carling PP. **Radiography** 1981 Oct; 47(562):235–6

ADVERSE EFFECTS

[Radiation dose to the hands with the preparation of 99mTc–radiopharmaca (author's transl)] Schneider J, et al. **Radiobiol Radiother (Berl)** 1981;22(6):809–12 (Eng. Abstr.) **(Ger)**

ANALYSIS

Factors affecting the labeling efficiency and stability of technetium–99m–labeled glucoheptonate. Zbrzeznj DJ, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1499–502

Composition of 99mTc–HIDA as a function of time after kit preparation. Pauwels EK, et al. **Eur J Nucl Med** 1981; 6(9):433–4

Rapid miniaturized chromatography for Tc–99m IDA agents: comparison with gel chromatography. Zimmer AM, et al. **Eur J Nucl Med** 1982;7(2):88–91

Quantitative temporal analysis of 99mTechnetium p–isopropyl–iminodiacetic acid (PIPIDA) as a measure of hepatic function in health and disease. Joshi SN, et al. **Gastroenterology** 1981 Dec;81(6):1045–51

Valence state of technetium in technetium methylene diphosphonate at tracer concentrations, measured by amperometry. Mulder G, et al. **Int J Appl Radiat Isot** 1981 Sep;32(9):675–7

Radiochemical analysis of Tc–99m human serum albumin with high–pressure liquid chromatography: concise communication. Vallabhajosula S, et al. **J Nucl Med** 1982 Apr;23(4):326–9

Re: radiochemical purity of Tc–99m oxidronate [letter] Williams CC. **J Nucl Med** 1981 Nov;22(11):1015–6

BLOOD

An examination of the labelling of intact human erythrocytes with 99mTc. Thompson S, et al. **Br J Haematol** 1981 Dec; 49(4):575–80

CHEMICAL SYNTHESIS

Time dependence of iprofenin–labeling with technetium Tc 99m. Ponto JA, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1939–41

[Bleomycin A derivative, 99mTc–BLAIDA: synthesis and distribution in tumor–bearing mice (author's transl)] Hu YL, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun; 3(2):120–4 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

Diagnosis of deep vein thrombosis with 99Tcm–plasmin. Adolfsson L, et al. **Acta Med Scand** 1982;211(5):365–8

Diagnosis of deep venous thrombosis by phlebography and 99Tcm–plasmin. Edenbrandt CM, et al. **Acta Med Scand** 1982;211(1–2):59–64

99mTc–pertechnetate uptake after total knee replacement in rheumatoid arthritis. Boerbooms AM, et al. **Acta Orthop Scand** 1982 Feb;53(1):125–9

Blood flow rates in canine cortical and cancellous bone measured with 99Tcm–labelled human albumin microspheres. Tøndevold E, et al. **Acta Orthop Scand** 1982 Feb;53(1):7–11

Human serum albumin labelled with 99Tcm and 131I for total blood volume determination: A critical and comparative analysis in vivo and in vitro. Alberola N, et al. **Acta Radiol [Oncol]** 1981;20(6):379–83

Localization of gastrointestinal bleeding: superiority of 99mTc sulfur colloid compared with angiography. Alavi A, et al. **AJR** 1981 Oct;137(4):741–8

Hepatoblastoma: technetium sulfur colloid uptake simulating focal nodular hyperplasia. Diament MJ, et al. **AJR** 1982 Jul;139(1):168–71

Glomerular filtration rate: estimation from fractional renal accumulation of 99mTc–DTPA (stannous). Gates GF. **AJR** 1982 Mar;138(3):565–70

Pitfalls in scintigraphic localization of gastrointestinal hemorrhage. Glanz S, et al. **AJR** 1982 Apr;138(4):768–70

99mTc red blood cells for detection of gastrointestinal bleeding: experience with 80 patients. McKusick KA, et al. **AJR** 1981 Dec;137(6):1113–8

Technetium–99m–HIDA visualization of an obstructed gallbladder via an accessory hepatic duct. Reimer DE, et al. **AJR** 1981 Sep;137(3):610–1

PIPIDA scintigraphy for cholecystitis: false positives in alcoholism and total parenteral nutrition. Shuman WP, et al. **AJR** 1982 Jan;138(1):1–5

Evaluation of acute right upper quadrant pain: sonography and 99mTc–PIPIDA cholescintigraphy. Shuman WP, et al. **AJR** 1982 Jul;139(1):61–4

Abdominal masses in children: multiorgan imaging with 99mTc methylene diphosphonate. Siddiqui AR, et al. **AJR** 1982 Jul;139(1):35–8

Lymphoscintigraphy in malignant melanoma: 99mTc antimony sulfur colloid. Sullivan DC, et al. **AJR** 1981 Oct; 137(4):847–51

Cholecystitis: prospective evaluation of sonography and 99mTc–HIDA cholescintigraphy. Worthen NJ, et al. **AJR** 1981 Nov;137(5):973–8

Unexpected lung scan pattern after Fontan operation for tricuspid atresia. Yousefzadeh DK, et al. **AJR** 1982 May; 138(5):958–61

Increased incidence and clinical correlation of persistently abnormal technetium pyrophosphate myocardial scintigrams following acute myocardial infarction in patients with diabetes mellitus. Nicod P, et al. **Am Heart J** 1982 May;103(5):822–9

Value of positive myocardial technetium–99m–pyrophosphate scintigraphy in the noninvasive diagnosis of cardiac amyloidosis. Wizenberg TA, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):468–73

Measurement of infarct size using single photon emission computed tomography and technetium–99m pyrophosphate: a description of the method and comparison with patient prognosis. Holman BL, et al. **Am J Cardiol** 1982 Sep;50(3):503–11

Myocardial infarct imaging. Holman BL. **Am J Cardiol** 1982 Apr 1;49(5):1347–54

Pertechnetate imaging following cimetidine administration in Meckel's diverticulum of the ileum. Baum S. **Am J Gastroenterol** 1981 Nov;76(5):464–5

Technical problems associated with the production of technetium Tc 99m tin(II) pyrophosphate kits. Kowalsky RJ, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1722–6

Diagnosis of acute cholecystitis using hepatobiliary scan with technetium–99m PIPIDA. Bennett MT, et al. **Am J Surg** 1981 Sep;142(3):338–43

Differentiation of cholestatic jaundice in infants. Utility of diethyl–IDA. Hitch DC, et al. **Am J Surg** 1981 Dec; 142(6):671–7

Scintigraphic thyroid abnormalities after radiation. A controlled study with 99mTc pertechnetate scanning. Gonzalez–Villalpando C, et al. **Ann Intern Med** 1982 Jul; 97(1):55–8

Enterococcal endocarditis: a rare cause of focal cardiac uptake in infarct–avid myocardial scintigraphy. Kerber G, et al. **Arch Intern Med** 1982 Jul;142(7):1360–2

Radioisotopic method for measurement of nasal mucociliary activity. Kärjä J, et al. **Arch Otolaryngol** 1982 Feb; 108(2):99–101

Radionuclide scanning for the rapid diagnosis of acute cholecystitis. Gupta SM, et al. **Aust NZ J Med** 1982 Jun; 12(3):265–8

The intraperitoneal use of Technetium Sulphur Colloid. Bolitho LE, et al. **Australas Radiol** 1981 Jul;25(2):159–61

Ureteral obstruction in a transplanted kidney renal dynamic study (99m Tc–DTPA). Garcia M, et al. **Bol Asoc Med PR** 1981 Mar;73(3):109–10

In–vivo labelling of renal calculi with technetium 99m methylene diphosphonate. Barker MC, et al. **Br J Radiol** 1982 Jan;55(649):39–41

The effect of photon absorption by breast tissue in liver imaging with technetium 99m [letter] Packer S, et al. **Br J Radiol** 1982 May;55(653):379–80

Technetium 99m–diethyl–IDA hepatobiliary scintigraphy in the pre–operative diagnosis of choledochal cyst. Paramsothy M, et al. **Br J Radiol** 1981 Dec;54(648):1104–7

Axillary lymphoscintigraphy [letter] Ege GN. **Br J Surg** 1982 Feb;69(2):116–7

An assessment of dynamic gastric scanning with 99Tcm–pertechnetate. Keane FB, et al. **Br J Surg** 1982 Jul;69(7):383–5

Milk 99Tcm–EHIDA test for enterogastric bile reflux. Mackie CR, et al. **Br J Surg** 1982 Feb;69(2):101–4

99mTechnetium DMSA and the prediction of recovery in obstructive uropathy. Chibber PJ, et al. **Br J Urol** 1981 Dec;53(6):492–5

The location of urinary calculi using radionuclide imaging. Noble RL, et al. **Br J Urol** 1981 Dec;53(6):513–5

Electrocardiography, cardioenzymes and myocardial imaging to detect perioperative myocardial infarction. Ko PT, et al. **Can J Surg** 1982 Mar;25(2):225–9

Primary angiosarcoma of the heart detected by technetium–labeled erythrocyte cardiac imaging. Bennett MT, et al. **Cancer** 1982 [illegible]un 15;49(12):2587–90

The indications for and limitations of bone scintigraphy in osteogenic sarcoma: a review of 55 patients. McKillop JH, et al. **Cancer** 1981 Sep 1;48(5):1133–8

Localization of gelfoam emboli after partial splenic embolization utilizing 99mTc–labeled emboli. Berger JL, et al. **Cardiovasc Intervent Radiol** 1982;5(1):20–4

Tumor visualization by 99mTc–labeled ethylenediamine–N,N–diacetic acid. Karube Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2385–7

Radionuclide detection of the site of hemoptysis. Coel MN, et al. **Chest** 1982 Feb;81(2):242–3

Effect of EHDP on calcium accumulation and technetium–99m pyrophosphate uptake in experimental myocardial infarction. Buja LM, et al. **Circulation** 1981 Nov;64(5):1012–7

Effect of exercise on erythrocyte count and blood activity concentration after technetium–99m in vivo red blood cell labeling. Konstam MA, et al. **Circulation** 1982 Sep; 66(3):638–42

The high–risk angina patient. Identification by clinical features, hospital course, electrocardiography and technetium–99m stannous pyrophosphate scintigraphy. Olson HG, et al. **Circulation** 1981 Oct;64(4):674–84

The diagnosis of renal osteodystrophy: a comparison of Technetium–99m–pyrophosphate bone scintigraphy with other techniques. Hodson EM, et al. **Clin Nephrol** 1981 Jul;16(1):24–8

Thyroid imaging and function studies. Ashkar FS. **Clin Nucl Med** 1981 Oct;6(10S):P77–86

Scintigraphic evaluation of dysphagia. Blue PW. **Clin Nucl Med** 1981 Oct;6(10):489–90

Disparate images in acute hepatitis using E–HIDA and sulfur colloid. Coel MN, et al. **Clin Nucl Med** 1982 Jul;7(7):315–7

Localization of Tc–99m–MDP in a paravertebral colon carcinoma metastasis. Fajman WA, et al. **Clin Nucl Med** 1981 Oct;6(10):502–3

Diffuse extravasation of urine after renal transplant. Front D, et al. **Clin Nucl Med** 1981 Oct;6(10):479–80

Visualization of cutaneous hemangioma with Tc–99m tagged red blood cells. Gordon L, et al. **Clin Nucl Med** 1981 Oct; 6(10):468–9

Focal uptake of sulfur colloid in an area of atelectasis [letter] Greenberg A. **Clin Nucl Med** 1982 May;7(5):244

Tricuspid insufficiency detected by equilibrium gated radionuclide study. Handler B, et al. **Clin Nucl Med** 1981 Oct;6(10):485–8

Potential pitfalls in the interpretation of erythrocyte scintigraphy for gastrointestinal hemorrhage. Haseman MK. **Clin Nucl Med** 1982 Jul;7(7):309–10

Gastrointestinal bleeding: an accessory spleen causing a false–positive Tc–99m–sulfur colloid study. Heyman S, et al. **Clin Nucl Med** 1982 Jan;7(1):38–40

Ulcerative colitis and a bleeding polyp detected on Tc–99m–pertechnetate abdominal scintigraphy. Howman–Giles R. **Clin Nucl Med** 1981 Oct;6(10):474–5

Unusual Tc–99m–PIPIDA images. Kasner JR, et al. **Clin Nucl Med** 1981 Nov;6(11):554–5

Complementary role of reticuloendothelial and hepatobiliary imaging agents in the assessment of liver disease. Kim EE, et al. **Clin Nucl Med** 1982 Feb;7(2):64–6

Accumulation of MDP in hepatic metastases from mucinous adenocarcinoma of the colon. Kirby JC, et al. **Clin Nucl Med** 1982 Jan;7(1):25–7

Malignant pleural effusion and Tc–99m MDP accumulation. Lamki L, et al. **Clin Nucl Med** 1982 Jul;7(7):331–3

Fortuitous findings of Tc–99m PIPIDA hepatobiliary scintigraphy. Lecklitner ML, et al. **Clin Nucl Med** 1982 May;7(5):203–9

Clarification of a false liver lesion. Lee JY. **Clin Nucl Med** 1982 Apr;7(4):171

Liver scans in evaluation of lesions of the diaphragm. Levinson ED, et al. **Clin Nucl Med** 1981 Nov;6(11):525–7

Morphine–Prostigmin test: effect on Tc–99m DISIDA cholescintigraphy. Lim RE, et al. **Clin Nucl Med** 1982 May; 7(5):213–4

Tc–99m–MDP uptake in widespread subcutaneous nodules of metastatic renal cell carcinoma. Lin DS, et al. **Clin Nucl Med** 1982 Jan;7(1):43

Localization of Tc–99m–MDP in amyloidosis of the breast. McLellan GL, et al. **Clin Nucl Med** 1981 Dec;6(12):579–80

Bladder in the scrotum on a bone scan. Makhija MC. **Clin Nucl Med** 1981 Nov;6(11):550–1

The evolution of a brain abscess the complementary roles of radionuclide (RN) and computed tomography (CT) scans. Masucci EF, et al. **Clin Nucl Med** 1982 Apr; 7(4):166–70

Splenosis: first scintigraphic demonstration of extensive splenic implants. Moinuddin M. **Clin Nucl Med** 1982 Feb; 7(2):67–8

Assessment of cardiac wall motion with the ejection fraction image: a comparison with contrast left ventriculography. Nakajima K, et al. **Clin Nucl Med** 1981 Oct;6(10):481–4

Evaluation of neonatal jaundice using Tc–99m BULIDA (N butyl IDA). Padhy AK, et al. **Clin Nucl Med** 1982 Jul; 7(7):334–5

Fortuitous lymph node visualization after interstitial injection of Tc–99m–MDP. Penney HF, et al. **Clin Nucl Med** 1982 Feb;7(2):84–5

Clinical utility of a multigated modified anterior projection in the detection of left ventricular inferior and apical wall motion abnormalities. Polak JF, et al. **Clin Nucl Med** 1982 Apr;7(4):161–5

Diagnosis of gallbladder perforation by Tc–99m disofenin cholescintigraphy. Powers TA, et al. **Clin Nucl Med** 1982 May;7(5):201–2

Red blood cell volume in preterm neonates. Quaife MA, et al. **Clin Nucl Med** 1981 Oct;6(10):476–8

Exstrophy of the bladder: diagnosis on a bone scan. Rao BK, et al. **Clin Nucl Med** 1981 Nov;6(11):552–3

Priapism in sickle cell anemia. Schachner E, et al. **Clin Nucl Med** 1982 Apr;7(4):172–3

Intense myocardial uptake of Tc–99m–MDP in a case of hypercalcemia. Seid K, et al. **Clin Nucl Med** 1981 Dec; 6(12):565–7

Accumulation of Tc–99m phosphorus compounds in medullary carcinoma of the thyroid: report of two cases. Shigeno C, et al. **Clin Nucl Med** 1982 Jun;7(6):297–8

Perisplenic halo on Tc–99m sulfur colloid scintigraphy: a sign of mild ascites. Shih WJ, et al. **Clin Nucl Med** 1982 Apr;7(4):187–9

Tc–99m diphosphonate imaging in the differential diagnosis of thyroid nodules. Siddiqui AR, et al. **Clin Nucl Med** 1982 Aug;7(8):353–6

Spinal chondrosarcoma demonstrated by Tc–99m–MDP bone scan. Smith FW, et al. **Clin Nucl Med** 1982 Mar; 7(3):111–2

Radiocolloid studies of the regression of intrasplenic lesions. Spencer RP, et al. **Clin Nucl Med** 1982 Jul;7(7):311–4

The value of radionuclide scintigraphy in patients with non–visualized gallbladders by oral cholecystography. Stadalnik RC, et al. **Clin Nucl Med** 1981 Nov;6(11):519–22

Accumulation of bone scanning agent in a communicating renal cortical cyst. Straub WH, et al. **Clin Nucl Med** 1982 Aug;7(8):378

Preliminary clinical experience with Tc–99m disofenin as a biliary imaging agent in pediatrics. Sty JR, et al. **Clin Nucl Med** 1982 May;7(5):210–2

Accumulation of Tc–99m MDP in the spleen of a battered child. Sty JR, et al. **Clin Nucl Med** 1982 Jun;7(6):292

Central nervous system image correlation: multiple cerebral vascular accidents in a child with cyanotic heart disease. Sty JR, et al. **Clin Nucl Med** 1982 Jul;7(7):336–7

Relative decreased splenic uptake of Tc–99m–sulfur colloid in patients with pancreatic carcinoma. Tatum JL, et al. **Clin Nucl Med** 1982 Jan;7(1):1–4

Congenital absence of a pedicle with photon deficiency on bone scan. Tessler F, et al. **Clin Nucl Med** 1981 Oct; 6(10):498–9

Amphotericin B therapy: a cause of increased renal uptake of Tc–99m MDP. Trackler RT, et al. **Clin Nucl Med** 1982 Jun;7(6):293

Hepatobiliary imaging: intrathoracic activity from herniation of abdominal contents. Turner JW, et al. **Clin Nucl Med** 1982 Feb;7(2):88–9

Tc–99m DTPA uptake in soft tissue sarcoma. Tyler JL, et al. **Clin Nucl Med** 1982 Aug;7(8):357–8

Renal scanning: pitfalls in the diagnosis of mass lesions. Webber MM, et al. **Clin Nucl Med** 1982 Jul;7(7):327–30

Demonstration of ureteroenteric fistula by MDP imaging. Wechsler RJ, et al. **Clin Nucl Med** 1982 Feb;7(2):75–6

Atlas of Tc–99m iminodiacetic acid (IDA) cholescintigraphy. Weissmann HS, et al. **Clin Nucl Med** 1982 May;7(5):231–9

Correlation of I–125 iothalamate and tc–99m DPTA measurements of GFR using the single injection method. Wiener SN, et al. **Clin Nucl Med** 1982 Aug;7(8):359–63

Tc–99m pertechnetate uptake in a thymoma: case report. Wilson RL, et al. **Clin Nucl Med** 1982 Apr;7(4):149–50

Scintigraphic detection of pulmonary hemorrhage using Tc–99m–sulfur colloid. Winzelberg GG, et al. **Clin Nucl Med** 1981 Nov;6(11):537–40

Scintigraphic evaluation of Legionnaires' disease. Winzelberg GG, et al. **Clin Nucl Med** 1981 Nov;6(11):544–6

Hemobilia detected by Tc–99m labeled red blood cells. Winzelberg GG, et al. **Clin Nucl Med** 1982 Jan;7(1):36–7

Detection of synovial pseudarthrosis by 99mTc scintigraphy: application to treatment of traumatic nonunion with constant direct current. Esterhai JL Jr, et al. **Clin Orthop** 1981 Nov–Dec;(161):15–23

Early prediction of avascular necrosis of the femoral head following femoral neck fractures. Lucie RS, et al. **Clin Orthop** 1981 Nov–Dec;(161):207–14

Identification of hip surface arthroplasty failures with TcSC/TcmDP radionuclide imaging. Thomas BJ, et al. **Clin Orthop** 1982 Jul;(167):106–12

Quantitative comparison of 99Tcm–aerosol and 81Krm ventilation images. Agnew JE, et al. **Clin Phys Physiol Meas** 1982 Feb;3(1):21–30

Perfusion of the intervillous space of the human placenta measured with 99mtechnetium labelled human serum albumin. Andersen KV, et al. **Clin Physiol** 1982 Apr; 2(2):89–95

Single detector renography with 131I–hippuran and 99mTc–DTPA: a comparison. Wranne B, et al. **Clin Physiol** 1982 Apr;2(2):159–62

Detection of acute myocardial infarction by pyrophosphate 99m Tc scintigraphy Lyons KP, et al. **Conn Med** 1982 Apr; 46(4):191

Comparative scintigraphy in oleic acid pulmonary microvascular injury. Sugerman HJ, et al. **Crit Care Med** 1982 Jan;10(1):31–3

Detection of lung metastases from osteosarcoma by scintigraphy using 99mTc–methylene diphosphonate. Hoefnagel CA, et al. **Diagn Imaging** 1981;50(5):277–84

Brain scintigraphy with 99mTc–citrate and 99mTc–DTPA: a clinical comparison of the results. Castagnoli A, et al. **Eur J Nucl Med** 1982;7(4):184–6

99mTc–imidodiphosphate—a better tracer for infarct–avid imaging. Cook DJ, et al. **Eur J Nucl Med** 1982;7(5):207–10

Accumulation of 99mTc–methylene diphosphate within benign cystic teratoma of the ovary: an artefact caused by a distorted bladder [letter] D'haene EG, et al. **Eur J Nucl Med** 1982;7(3):146

Unusual bone marrow visualization with 99mTc–damaged erythrocytes. Dolgova–Korubin V, et al. **Eur J Nucl Med** 1982;7(5):240–1

Estimation of 99mTc–diethyl–IDA liver clearance. Erjavec M, et al. **Eur J Nucl Med** 1982;7(5):216–21

An evaluation of 99mTc pertechnetate scanning for the detection of coeliac disease and Crohn's disease. Holt S, et al. **Eur J Nucl Med** 1981;6(8):361–4

Technetium coordination state as a factor of stability in 99mTc–complexes used in hepatobiliary system: comparative studies on 99mTc–complexes of pyridoxal with glutamate (Tc–PG) and isoleucine (Tc–PI). Horiuchi K, et al. **Eur J Nucl Med** 1981 Dec;6(12):573–9

99mTc labeled red blood cells versus gamma–phlebography in diagnosis of deep vein thrombosis [letter] Jacolot G, et al. **Eur J Nucl Med** 1982;7(2):97

Accumulation of 99Tc–methylene diphosphonate within benign cystic teratoma of the ovary. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):417–9

Accumulation of 99m Tc–methylene diphosphonate in a so–called conversion defect of the femoral neck. Shigeno C, et al. **Eur J Nucl Med** 1981;6(9):421–3

Accumulation of 99mTc–pyrophosphate in a muscle hernia of the thigh. Shigeno C, et al. **Eur J Nucl Med** 1981; 6(9):425–8

Discordant 99mTc sulfur colloid and 67Ga–citrate scintigrams in Aspergillus splenic abscesses. Shih WJ, et al. **Eur J Nucl Med** 1982;7(6):272–4

Fast Diagnosis (6h) of clinically silent pyonephrosis by combined use of 99mTc–MDP and 67Ga citrate. Steinling M, et al. **Eur J Nucl Med** 1981;6(8):379–81

Comparative quantitative evaluation of hepatic clearance of diethyl–IDA and para–butyl–IDA in jaundiced and non–jaundiced patients. Tarolo GL, et al. **Eur J Nucl Med** 1981 Dec;6(12):539–43

An evaluation of the mediastinal lymphoscintigram for carcinoma of the esophagus studied with 99mTc rhenium sulfur colloid. Terui S, et al. **Eur J Nucl Med** 1982; 7(3):99–101

Evaluation of renal ischemia with 99mTc–pyrophosphate. Thomsen HS, et al. **Eur J Nucl Med** 1982;7(4):147–9

99mTc–methylene diphosphonate lung uptake in mixed small and large cell lymphoma. Wynchank S. **Eur J Nucl Med** 1982;7(1):47–8

Effects of various inhalation modes on the deposition of radioactive pressurized aerosols. Newman SP, et al. **Eur J Respir Dis [Suppl]** 1982;119:57–65

DMSA scan and the prediction of recovery in obstructive uropathy. Chisholm GD, et al. **Eur Urol** 1982;8(4):227–30

Measurement of gastric mucosal blood flow in dogs by the 99mTc–4–methylaminophenazone clearance technique. Döbrönte Z, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):279–84

An advance in identification and localization of gastrointestinal hemorrhage. Hattner R, et al. **Gastroenterology** 1982 Aug;83(2):484–5

Measurement of gallbladder emptying sequentially using a single dose of 99mTc–labeled hepatobiliary agent. Krishnamurthy GT, et al. **Gastroenterology** 1982 Oct; 83(4):773–6

An evaluation of 99mTc–labeled red blood cell scintigraphy for the detection and localization of gastrointestinal bleeding sites. Markisz JA, et al. **Gastroenterology** 1982 Aug;83(2):394–8

Radiation exposure in nuclear cardiovascular studies. Syed IB, et al. **Health Phys** 1982 Feb;42(2):159–63

The 99Tcm–Sn–polyphosphate scintimetric time course of human tibial fractures with delayed union or pseudarthrosis. Greiff J. **Injury** 1982 Jan;13(4):279–86

Technetium–99m–ethylenediamine: a new cationic complex of technetium. Thornback JR, et al. **Int J Appl Radiat Isot** 1981 Nov;32(11):833–8

Tc–99m–DTPA—a new test substance for detoxification devices. Ahrenholz P, et al. **Int J Artif Organs** 1982 May; 5(3):185–90

Valve replacement for chronic mitral insufficiency; long–term follow ... using technetium pertechnetate scintigraphy. Reichart B, et al. **Int J Artif Organs** 1982 May;5(3):173–6

Serological mass survey for early detection of nasopharyngeal carcinoma in Wuzhou City, China. Zeng Y, et al. **Int J Cancer** 1982 Feb 15;29(2):139–41

Unusual splenic image in massive bleeding after capsular tear. Baldwin RD, et al. **Int J Nucl Med Biol** 1982;9(2):143–4

Petechnetate–cimetidine abdominal imaging. Baum S, et al. **Int J Nucl Med Biol** 1981;8(2–3):185–7

Improvement of blood pool imaging using in vivo labeling of red blood cells. Esquerré JP, et al. **Int J Nucl Med Biol** 1982;9(1):71–3

Time—domain analysis in gated cardiac blood pool studies. Freeman ML, et al. **Int J Nucl Med Biol** 1982;9(1):37–41

Comparative study of 99mTc labeled hepatobiliary agents based on naphthalene and similar ring systems. Fritzberg AR, et al. **Int J Nucl Med Biol** 1982;9(1):1–11

Biodistribution and renal excretion of 99mTc–N,N'–bis–(Mercaptoacetamido) ethylenediamine. Effect of renal tubular transport inhibitors. Fritzberg AR, et al. **Int J Nucl Med Biol** 1982;9(1):79–82

Estimation of effective hepatic blood flow with 99mTc–Sn–colloid. Fujii M, et al. **Int J Nucl Med Biol** 1982;9(2):118–21

Bone scan evaluation of degenerative joint disease of the spine. Lin DS, et al. **Int J Nucl Med Biol** 1982;9(1):63–4

Hepatobiliary transport of select labelled biochemicals: pharmacokinetics of 99mTc-haemoglobin in rats. Nadkarni GD, et al. **Int J Nucl Med Biol** 1982;9(1):43–5

In vitro uptake of radiocolloids by rat peritoneal macrophages and human tumor cells. Nagai K, et al. **Int J Nucl Med Biol** 1982;9(2):108–13

Potential applications of radionuclide-labelled liposomes in the detection of the lymphatic spread of cancer. Osborne MP, et al. **Int J Nucl Med Biol** 1982;9(1):47–51

Pyrophosphate scintigraphy: improved detection of the acute myocardial infarction with computer data manipulation and Fourier method analysis. Popa N, et al. **Int J Nucl Med Biol** 1981;8(2–3):189–98

Pharmacokinetic analysis of 99mTc-radiopharmaceutical data in humans by two-compartmental model. Saha GB, et al. **Int J Nucl Med Biol** 1982;9(2):126–8

Synthesis, radiotechnetium labeling and biodistribution of 4-phosphoryl-L-proline. Sripada PK, et al. **Int J Nucl Med Biol** 1982;9(1):53–5

'Railroad ties' noted on radiocolloid anterior hepatic dynamic study. Turner JW, et al. **Int J Nucl Med Biol** 1981; 8(2–3):213

An attempt to use the Tc-99m–thiodisuccinic acid (TDSA) complex in renoscintigraphy. II. In vivo studies. Ogiński M, et al. **Int Urol Nephrol** 1981;13(4):321–31

Single isotope evaluation of pulmonary capillary protein leak (ARDS model) using computerized gamma scintigraphy. Tatum JL, et al. **Invest Radiol** 1981 Nov–Dec;16(6):473–8

Technetium scanning in Kaposi's sarcoma and its simulators. Gunnoe R, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):463–9

Technetium and combined gallium and technetium scans in the neurotrophic foot. Hetherington VJ. **J Am Podiatry Assoc** 1982 Sep;72(9):458–63

Assessment of alveolar–capillary membrane permeability of dogs by aerosolization. Huchon GJ, et al. **J Appl Physiol** 1981 Oct;51(4):955–62

Accumulation of 99mTc-pyrophosphate in malignant pericardial effusion. Vincken W, et al. **J Belge Radiol** 1981; 64(3):273–5

The distal femoral defect: technetium-99m pyrophosphate bone scan results. Burrows PE, et al. **J Can Assoc Radiol** 1982 Jun;33(2):91–3

Renal transplant uptake of technetium-99m sulfur colloid in various time periods after transplantation. Peterdy AE, et al. **J Can Assoc Radiol** 1981 Sep;32(3):144–8

Measurement of blood volume in fetal and neonatal sheep using red blood cells labelled with 99m technetium. Stankewytsch-Janusch B, et al. **J Dev Physiol** 1981 August; 3(4):245–54

Cholescintigraphy and sonography in the diagnosis of biliary tract disease: a retrospective study. Sirotta PS. **J Med Soc NJ** 1982 Mar;79(3):187–94

Evaluation of CSF shunt patency by means of technetium-99m DTPA. Graham P, et al. **J Neurosurg** 1982 Aug;57(2):262–6

Scintigraphic detection of intrapulmonary bleeding using technetium-99m sulfur colloid: concise communication. Barry J, et al. **J Nucl Med** 1981 Sep;22(9):777–80

Dosimetry in lymphoscintigraphy of Tc-99m antimony sulfide colloid. Bergqvist L, et al. **J Nucl Med** 1982 Aug; 23(8):698–705

Tc-99m sulfur colloid scanning in blunt trauma: detection of abdominal bleeding. Bronfman HJ, et al. **J Nucl Med** 1981 Nov;22(11):978–80

A comparison of bone imaging with Tc-99m DPD and Tc-99m MDP: concise communication. Buell U, et al. **J Nucl Med** 1982 Mar;23(3):214–7

A modified method for the in vivo labeling of red blood cells with Tc-99m: concise communication. Callahan RJ, et al. **J Nucl Med** 1982 Apr;23(4):315–8

Imaging with Tc-99m MDP and Ga-67 citrate in patients with rheumatoid arthritis and suspected septic arthritis: concise communication. Coleman RE, et al. **J Nucl Med** 1982 Jun;23(6):479–82

Cationic Tc-99m complexes as potential myocardial imaging agents. Deutsch E, et al. **J Nucl Med** 1981 Oct; 22(10):897–907

Transient nonvisualization of the gallbladder by Tc-99m HIDA cholescintigraphy in acute pancreatitis: concise communication. Edlund G, et al. **J Nucl Med** 1982 Feb; 23(2):117–20

Splenic scintigraphy using Tc-99m-labeled heat-denatured red blood cells in pediatric patients: concise communication. Ehrlich CP, et al. **J Nucl Med** 1982 Mar; 23(3):209–13

Cerebral perfusion imaging with albumin microspheres tagged with Tc-99m and In-111 in cases with internal carotid occlusion. Etani H, et al. **J Nucl Med** 1982 Sep; 23(9):823–9

Internal carotid occlusion: assessment, by Tc-99m-tagged microspheres, of bypass from superficial temporal to middle cerebral artery. Etani H, et al. **J Nucl Med** 1981 Oct; 22(10):856–60

Tc-99m glucoheptonate brain scintigraphy: a clinical comparison between one- and two-hour delayed images: concise communication. Fink-Bennett D, et al. **J Nucl Med** 1982 Jan;23(1):17–9

Failure to detect extramedullary hematopoiesis during bone-marrow imaging with indium-111 or technetium-99m sulfur colloid. Harnsberger HR, et al. **J Nucl Med** 1982 Jul;23(7):589–91

Tc-99m dextran: a new blood-pool-labeling agent for radionuclide angiocardiography. Henze E, et al. **J Nucl Med** 1982 Apr;23(4):348–53

Intravenous cholescintigraphy using Tc-99m-labeled agents in the diagnosis of choledochal cyst. Huang MJ, et al. **J Nucl Med** 1982 Feb;23(2):113–6

Post-traumatic pulmonary accumulation of Tc-99m sulfur colloid. Johnson RA, et al. **J Nucl Med** 1982 Feb; 23(2):147–8

Chemical and in vivo studies of the anion oxo[N,N'-ethylenebis(2-mercaptoacetimido)]Technetate(V Jones AG, et al. **J Nucl Med** 1982 Sep;23(9):801–9

TC-99m(Sn)-N-pyridoxylaminates: a new series of hepatobiliary imaging agents. Kato-Azuma M. **J Nucl Med** 1982 Jun;23(6):517–24

Determination of bone blood supply with Tc-99m red blood cells and In-113m transferrin in fractures of femoral neck: concise communication. Kempi V, et al. **J Nucl Med** 1982 May;23(5):400–3

Clinical comparison of Tc-99m N,N'-bis(mercaptoacetamido)ethylenediamine and [131I]ortho-iodohippurate for evaluation of renal tubular function: concise communication. Klingensmith WC 3d, et al. **J Nucl Med** 1982 May;23(5):377–80

Tricuspid regurgitation by radionuclide angiography and contrast right ventriculography: a preliminary observation. Lumia FJ, et al. **J Nucl Med** 1981 Sep;22(9):804–9

Absolute quantitation of radiotracer uptake in the lungs using a gamma camera. Macey DJ, et al. **J Nucl Med** 1982 Aug; 23(8):731–4

Is the radiochemical purity of Tc-99m radiopharmaceuticals decreasing [letter] Moore M, et al. **J Nucl Med** 1982 Jun; 23(6):548–9

Preoperative technetium-99m imaging of a substernal parathyroid adenoma. Naunheim KS, et al. **J Nucl Med** 1982 Jun;23(6):511–3

In vivo regional quantitation of intrathoracic Tc-99m using SPECT: concise communication. Osborne D, et al. **J Nucl Med** 1982 May;23(5):446–50

Scintigraphic evaluation of diabetic osteomyelitis: concise communication. Park HM, et al. **J Nucl Med** 1982 Jul; 23(7):569–73

Technetium-99m DTPA splenic uptake. Pedell L, et al. **J Nucl Med** 1981 Sep;22(9):798–9

Gastroesophageal scintiscanning in children. Piepsz A, et al. **J Nucl Med** 1982 Jul;23(7):631–2

Significance of extrathyroidal uptake of Tc-99m and I-123 in the thyroid scan: concise communication. Ryo UY, et al. **J Nucl Med** 1981 Dec;22(12):1039–42

Cost-effective use of stannous pyrophosphate [letter] Sands M, et al. **J Nucl Med** 1981 Oct;22(10):932

Re: decreased salivary gland accumulation of pertechnetate in neonatal hypothyroidism [letter] Savoie JC, et al. **J Nucl Med** 1981 Sep;22(9):832–3

Tc-99m sulfur colloid scintigraphy of multiple liver-cell adenomas [letter] Shih WJ, et al. **J Nucl Med** 1981 Sep; 22(9):835–6

Tc-99m-labeled polystyrene and cellulose macromolecules: agents for gastrointestinal scintigraphy. Theodorakis MC, et al. **J Nucl Med** 1982 Aug;23(8):693–7

Pulmonary capillary wedge pressure, as inferred from lung areas in gated blood-pool scintigrams: concise communication. Urbina A, et al. **J Nucl Med** 1981 Nov; 22(11):950–4

Tc-99m glucoheptonate in detection of lung tumors. Vorne M, et al. **J Nucl Med** 1982 Mar;23(3):250–4

Clearance of Tc-99m DTPA in hemodialysis and peritoneal dialysis: concise communication. Wainer E, et al. **J Nucl Med** 1981 Sep;22(9):768–71

Detection of pulmonary hemorrhage with technetium-labeled red cells. Winzelberg GG, et al. **J Nucl Med** 1981 Oct;22(10):884–5

Imaging endocarditis with Tc-99m-labeled antibody--an experimental study: concise communication. Wong DW, et al. **J Nucl Med** 1982 Mar;23(3):229–34

Simultaneous markers for fluid and solid gastric emptying: new variations on an old theme: concise communication. Wright RA, et al. **J Nucl Med** 1981 Sep;22(9):772–6

Compton scatter image simulating jugular venous reflux. Yeh EL. **J Nucl Med** 1982 Jan;23(1):58–9

Pertechnetate (Tc-99m) sequential scintiphotography--aid in differentiating exudative from transudative pericardial effusions: concise communication. Yeh SH, et al. **J Nucl Med** 1982 May;23(5):386–90

Incidental demonstration of hyperthyroidism on cerebral blood-flow study with glucoheptonate [letter] Zirinsky K, et al. **J Nucl Med** 1982 Feb;23(2):180

The value of 99mTc-pertechnetate brain scan as a screening for chronic subdural hematoma in elderly patients. Castiglioni M, et al. **J Nucl Med Allied Sci** 1982 Jan-Mar; 26(1):15–8

Radionuclide salivary gland imaging of maxillary sinus oncocytoma. Noyek AM, et al. **J Otolaryngol** 1982 Feb; 11(1):17–22

Radionuclide salivary scan imaging of a 'functioning' malignant parotid tumor (mucous-producing papillary adenocarcinoma). Noyek AM, et al. **J Otolaryngol** 1982 Apr;11(2):83–5

Detection of peripheral soft tissue hemangioma with 99mTc-labeled red blood cell pool imaging. Johnson RA, et al. **J Pediatr Orthop** 1982 Jun;2(2):183–6

Assessment of hepatic function after hepato-porto-enterostomy for biliary atresia using Tc-diethyl-IDA. Hitch DC, et al. **J Pediatr Surg** 1981 Aug; 16(4):471–5

Technetium-99m biliary imaging in pediatric surgical problems. Sty JR, et al. **J Pediatr Surg** 1981 Oct; 16(5):686–90

Evaluation of 99mTc-labeled iminodiacetic acid derivatives of substituted 2-aminopyrroles as hepatobiliary imaging agents in rats II. Graham BW, et al. **J Pharm Sci** 1982 Mar;71(3):362–4

Soft tissue uptake of bone seeking radionuclide in amyloidosis. Yood RA, et al. **J Rheumatol** 1981 Sep–Oct; 8(5):760–6

Biliary tract cholescintigraphy using technetium-99m-labeled disofenin. Matolo NM, et al. **J Surg Res** 1982 Mar;32(3):202–7

Evaluation of normal and pathologic ureteral dynamics: comparison of a radioisotopic method with ureteral pressure/flow perfusion study. Braren V, et al. **J Urol** 1982 May;127(5):1014–6

A clinical study of 99mTechnetium dimercaptosuccinic acid uptake in obstructed kidneys: comparison with the creatinine clearance. De Maeyer P, et al. **J Urol** 1982 Jul; 128(1):8–9

Augmented iliopelvic lymphoscintigraphy: application in the management of genitourinary malignancy. Ege GN. **J Urol** 1982 Feb;127(2):265–9

Re: defining renal anatomy and function with 99m Technetium dimercaptosuccinic acid: clinical and renographic correlation [letter] Powers TA, et al. **J Urol** 1982 Jul;128(1):153

Clinical experience with the radioisotope varicocele scan as a screening method for the detection of subclinical varicoceles. Wheatley JK, et al. **J Urol** 1982 Jul;128(1):57–9

Tc-99m pyrophosphate myocardial imaging in acute myocardial infarction: value and limitations. Ahmad M. **Mo Med** 1981 Sep;78(9):575–8

Evaluation of residual renal function and prediction of the prognosis of polycystic kidney disease by 99m Tc-dimercaptosuccinic acid (DMSA) renal scintigraphy. Kawamura J, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):1031–4

99mTc-labelled Cu(I)-EHDP, a potential skeletal imaging agent. Agha NH, et al. **Nuklearmedizin** 1981 Dec; 20(6):299–304

Demonstration of delayed duodenal bleeding by 99Tc labeled red cells. Bauer R, et al. **Nuklearmedizin** 1982 Feb; 21(1):46–7

Scintigraphic myocardial imaging with 99mTC-labelled pyrophosphate of experimentally produced cardiomyopathy in dogs. Duška F, et al. **Nuklearmedizin** 1981 Dec;20(6):265–7

Pyrophosphate scan of the temporarily ischemized dog myocardium. Duška F, et al. **Nuklearmedizin** 1981 Dec; 20(6):268–71

Effects of obstruction on single-kidney function: clinical and experimental results with 131I-hippurate and 99mTc-DMSA. Moser E, et al. **Nuklearmedizin** 1980 Dec; 19(6):257–62

Liver imaging and detection of liver metastases with 99mTc-HIDA. Schulze PJ, et al. **Nuklearmedizin** 1981 Oct; 20(5):214–9

Venous obstruction in permanent pacemaker patients: an isotopic study. Pauletti M, et al. **PACE** 1981 Jan;4(1):36–42

Radionuclide hepatobiliary imaging in the detection of traumatic biliary tract disease in children. Sty JR, et al. **Pediatr Radiol** 1982;12(3):115–8

Radionuclide hepatobiliary imaging in congenital biliary tract ectasia (Caroli disease). Sty JR, et al. **Pediatr Radiol** 1982; 12(3):111–4

Diagnostic accuracy of hepatobiliary scintigraphy with 99mTc-PIPIDA questioned [letter] Byrne WJ, et al. **Pediatrics** 1981 Oct;68(4):606–7

The role of nuclear imaging in patients with acute myocardial infarction. Williams BR. **Primary Care** 1981 Sep; 8(3):399–413 (28 ref.)

Predictive value of 99mTc pyrophosphate bone scintigraphy for vitamin D trials in uraemia. Vanherweghem JL, et al. **Proc Eur Dial Transplant Assoc** 1981;18:648–51

Amogastrin for the 99mTc-pertechnetate imaging of the gastric mucosa. Okuyama S, et al. **Radioisotopes** 1982 Mar; 31(3):141–4

99mTc-HIDA cholescintigraphy in Dubin-Johnson and Rotor syndromes. Bar-Meir S, et al. **Radiology** 1982 Mar; 142(3):743–6

99mTc-IDA cholescintigraphy [letter] Barton JW. **Radiology** 1981 Dec;141(3):850

Radionuclide venography in iliac and inferior vena caval obstruction. Dhekne RD, et al. **Radiology** 1982 Aug; 144(3):597–602

A noncomputerized count-based technique for the determination of resting left ventricular ejection fraction. Gerber KH, et al. **Radiology** 1982 Aug;144(3):623–5

Esophageal scintigraphy (milk scans) in infants and children with gastroesophageal reflux. Heyman S. **Radiology** 1982 Sep;144(4):891–3

Clinical comparison of diisopropyl-IDA Tc 99m and diethyl-IDA Tc 99m for evaluation of the hepatobiliary system. Klingensmith WC 3d, et al. **Radiology** 1981 Sep; 140(3):791–5

The normal fasting and postprandial diisopropyl-IDA Tc 99m hepatobiliary study. Klingensmith WC 3d, et al.

Radiology 1981 Dec;141(3):771–6

99mTc-DTPA and 131I-hippuran findings in liver transplant recipients treated with cyclosporin A. Klintmalm GB, et al. **Radiology** 1982 Jan;142(1):199–202

The use of diethyl-IDA Tc 99m clearance curves in the differentiation of biliary atresia from other forms of neonatal jaundice. Leonard JC, et al. **Radiology** 1982 Mar; 142(3):773–6

99mTc red blood cell venography in deep vein thrombosis of the leg: a correlation with contrast venography. Lisbona R, et al. **Radiology** 1982 Jun;143(3):771–3

Hepatobiliary scanning with 99mTc-PIPIDA in acute cholecystitis. Mauro MA, et al. **Radiology** 1982 Jan; 142(1):193–7

Scintigraphic diagnosis of gastrointestinal bleeding with 99mTc-labeled blood-pool agents. Miskowiak J, et al. **Radiology** 1981 Nov;141(2):499–504

Prospective evaluation of 99mTc-IDA cholescintigraphy and gray-scale ultrasound in the diagnosis of acute cholecystitis. Ralls PW, et al. **Radiology** 1982 Jul; 144(2):369–71

Predicting splenic abnormality in Hodgkin disease using volume response to epinephrine administration. Rosen PR, et al. **Radiology** 1982 Jun;143(3):627–9

Biliary scintigraphy in acute pancreatitis. Serafini AN, et al. **Radiology** 1982 Aug;144(3):591–5

Clinical experience with 99mTc-disofenin as a cholescintigraphic agent. Stadalnik RC, et al. **Radiology** 1981 Sep;140(3):797–800

Abnormal 99mTc-PIPIDA scans mistaken for common duct obstruction. Taylor A Jr, et al. **Radiology** 1982 Jul; 144(2):373–5

Scintigraphic localization of pulmonary bleeding using technetium Tc 99m sulfur colloid: a preliminary report. Winzelberg GG, et al. **Radiology** 1982 Jun;143(3):757–62

Scintillation camera renography with 99mTc-DTPA and 131I-Hippuran. Bratt CG, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):189–97

The use of [99mTc](2,6-diethylacetanilide)-iminodiacetic acid ([99mTc]HIDA) in evaluating normal hepatobiliary dynamics. Schoubye J, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):127–34

Detection of splenosis and ectopic spleens with 99mTc-labelled heat damaged autologous erythrocytes in 90 splenectomized patients. Nielsen JL, et al. **Scand J Haematol** 1981 Jul;27(1):51–6

Bone formation of transplanted autologous bone matrix in rabbit evaluated by technetium radionuclide bone imaging. Wittbjer J, et al. **Scand J Plast Reconstr Surg** 1982; 16(1):23–8

Heart imaging with cationic complexes of technetium. Deutsch E, et al. **Science** 1981 Oct 2;214(4516):85–6

Studies of GI bleeding with scintigraphy and the influence of vasopressin. Alavi A, et al. **Semin Nucl Med** 1981 Jul; 11(3):216–23

Detection of gastrointestinal bleeding with 99mTc-sulfur colloid. Alavi A. **Semin Nucl Med** 1982 Apr;12(2):126–38

Radionuclide imaging of nonneoplastic soft tissue disorders. Brill DR. **Semin Nucl Med** 1981 Oct;11(4):277–88

The value, limitations, and applications of nuclear dacryocystography. Brown M, et al. **Semin Nucl Med** 1981 Oct;11(4):250–7

Current status of radiocolloid hepatic scintiphotography for space-occupying disease. Drum DE. **Semin Nucl Med** 1982 Jan;12(1):64–74

Role of cholecystokinetic agents in 99mTc-IDA cholescintigraphy. Freeman LM, et al. **Semin Nucl Med** 1981 Jul;11(3):186–93

Cholescintigraphy in acute and chronic cholecystitis. Freitas JE. **Semin Nucl Med** 1982 Jan;12(1):18–26

Meckel's diverticulum. Goel V. **Semin Nucl Med** 1982 Jan; 12(1):97–8

Anatomic and functional asplenia--absence of the splenic image during 99mTc-sulfur colloid scintigraphy. Graves DS, et al. **Semin Nucl Med** 1982 Jan;12(1):95–6

Current status of radionuclide scrotal imaging. Holder LE, et al. **Semin Nucl Med** 1981 Oct;11(4):232–49

Hysterosalpingo-radionuclide scintigraphy (HERS). Iturralde M, et al. **Semin Nucl Med** 1981 Oct;11(4):301–14

A dichotomy in hepatic uptake of 99mTc-IDA and 99mTc-colloid. Lamki L. **Semin Nucl Med** 1982 Jan; 12(1):92–4

Nonvisualization of the femoral head in 99mTc-sulfur colloid medullary osteoscintigraphy. Lecklitner ML, et al. **Semin Nucl Med** 1981 Oct;11(4):322–4

Effect of phenobarbital on 99mTc-IDA scintigraphy in the evaluation of neonatal jaundice. Majd M, et al. **Semin Nucl Med** 1981 Jul;11(3):194–204

Radionuclide salivary gland imaging. Mishkin FS. **Semin Nucl Med** 1981 Oct;11(4):258–65

Cholescintigraphy in the presence of jaundice utilizing Tc-IDA. Rosenthall L. **Semin Nucl Med** 1982 Jan; 12(1):53–63

The role of radionuclide studies in pediatric gastrointestinal disorders. Sty JR, et al. **Semin Nucl Med** 1982 Apr; 12(2):156–72 (76 ref.)

Evaluation of the postoperative patient with 99mTc-IDA cholescintigraphy. Weissmann HS, et al. **Semin Nucl Med** 1982 Jan;12(1):27–52 (100 ref.)

Detection of gastrointestinal bleeding with 99mTc-labeled red blood cells. Winzelberg GG, et al. **Semin Nucl Med** 1982 Apr;12(2):139–46

HIDA scanning and ultrasonography in the expeditious diagnosis of acute cholecystitis. Massie JD, et al. **South Med J** 1982 Feb;75(2):164–8

Radionuclide imaging of the biliary tree. Stadalnik RC, et al. **Surg Clin North Am** 1981 Aug;61(4):827–42 (50 ref.)

Technetium sulfur colloid scintigraphy in the detection of lower gastrointestinal tract bleeding. Simpson AJ, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):33–6

A case of early gastric cancer whose diagnosis was expedited by amogastrin-99mTc pertechnetate scintigraphy. Okuyama S, et al. **Tohoku J Exp Med** 1982 Jun;137(2):231–2

Use of 99mTc-DMSA in renal cortical abscess [letter] Hosokawa S. **Urology** 1981 Dec;18(6):633

Measurement of duodenogastric reflux with 99mTc-HIDA in duodenal ulcer patients. Schmidt GF, et al. **World J Surg** 1982 Jan;6(1):98–102

[Functional-dynamic studies of the hepatobiliary system with HEPIDA and EHIDA compound] Romanova A, et al. **Vutr Boleş** 1982;21(2):42–7 **(Bul)**

[Preliminary clinical use of radionuclide myocardial imaging (author's transl)] Liu XJ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep; 8(3):169–73 (Eng. Abstr.) **(Chi)**

[Use of 99mTc scanning in gastrointestinal surgery (author's transl)] YU DH. **Chung Hua Wai Ko Tsa Chih** 1981 Nov; 19(11):687–9 (Eng. Abstr.) **(Chi)**

[Cholescintigraphic study in hepatic cyst. A case report (author's transl)] Wang TH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):537–41 (Eng. Abstr.) **(Chi)**

[Scintiscan visualization of acute myocardial infarction using 99mTc-labelled gluconate (author's transl)] Duška F. **Cas Lek Cesk** 1982 Jan 15;121(2):38–40 (Eng. Abstr.) **(Cze)**

[Scintiscan diagnosis of acute myocardial infarction using 99mTc-labelled gluconate (author's transl)] Duška F, et al. **Cas Lek Cesk** 1982 Apr 16;121(15):458–61 (Eng. Abstr.) **(Cze)**

[About the possibility of fallopian tubes patency evaluations by means of 99mTc-pertechnetate and comparison of radiation loads due to radioisotopic and x-ray examinations (author's transl)] Rýznar V, et al. **Cesk Gynekol** 1981 Nov; 46(9):692–5 (Eng. Abstr.) **(Cze)**

[Pyrophosphate scan of the heart in cardiomyopathies (author's transl)] Duška F, et al. **Cesk Radiol** 1982 Jan; 36(1):40–7 (Eng. Abstr.) **(Cze)**

[A comparison of the pyrophosphate and glucoheptonate heart scan in 3 women with secondary cardiomyopathy (a preliminary report)] Duška F, et al. **Vnitr Lek** 1982 Jul; 28(7):661–4 **(Cze)**

[Determination of the time required for scintigraphic study of acute myocardial infarct using 99mTc labeled gluconate] Duška F, et al. **Vnitr Lek** 1981 Dec;27(12):1184–9 (Eng. Abstr.) **(Cze)**

[Scintigraphy of the liver and biliary ducts with 99mTc-diethyl-IDA] Christensen PB, et al. **Ugeskr Laeger** 1981 Nov 16;143(47):3105–7 (Eng. Abstr.) **(Dan)**

[Individual renal function determinated by 99mTechnetium-dimercaptosuccinic acid and 131I-hippuran] Munck O, et al. **Ugeskr Laeger** 1981 Nov 23;143(48):3219–22 (Eng. Abstr.) **(Dan)**

[Scintigraphy of the biliary ducts with 99mTc-diethyl-IDA in the differential diagnosis of jaundice] Oster-Jørgensen E, et al. **Ugeskr Laeger** 1981 Nov 16;143(47):3111–5 (Eng. Abstr.) **(Dan)**

[Scintrigraphy of the biliary ducts with 99mTc-diethyl-IDA in the differential diagnosis of jaundice in children. A review and report of 8 cases] Oster-Jørgensen E. **Ugeskr Laeger** 1981 Nov 16;143(47):3108–10 (Eng. Abstr.) **(Dan)**

[Biliary regurgitation and scintigraphy by 99mTc diethyl IDA (author's transl)] Barbier P, et al. **Acta Gastroenterol Belg** 1981 Jul-Aug;44(7–8):320–7 (Eng. Abstr.) **(Fre)**

[The manner of technetium uptake in salivary tumors and its implications in diagnosis] Tainmont J, et al. **Acta Otorhinolaryngol Belg** 1981;35(2):189–97 **(Fre)**

[Value and limitations of scintigraphy based on methylene diphosphonate pyrophosphate labeled with 99m technetium in the monitoring of revascularized bone transplants] Clouet M, et al. **Ann Chir Plast** 1981;26(3):217–20 (Eng. Abstr.) **(Fre)**

[Radionuclide study of thyroid function in pediatrics, using 99mTc, 123I or 131I: 150 case-reports (author's transl)] Guillet J, et al. **Ann Pediatr (Paris)** 1981 Nov;28(9):621–6 (Eng. Abstr.) **(Fre)**

[Radionuclide assessment of skeletal growth and maturation (160 bone scans in patients aged 0 to 21 years) (author's transl)] Guillet J, et al. **Ann Pediatr (Paris)** 1982 Mar; 29(3):189–92 (Eng. Abstr.) **(Fre)**

[Sequential Tc-99m gluconate scintigraphy following renal transplantation: clinical study in twenty-five cases (author's transl)] Lucsko M, et al. **Ann Radiol (Paris)** 1981 Sep-Oct; 24(6):485–93 (Eng. Abstr.) **(Fre)**

[Scintigraphy in infectious bone pathology in children. Value and limitations] Campagne D, et al. **Arch Fr Pediatr** 1982 Jan;39(1):49–56 **(Fre)**

[A new radioisotopic method of studying local ejection fractions. Application to the study of abnormalities of left ventricular contraction] Amor M, et al. **Arch Mal Coeur** 1981 Oct;74(10):1121–30 (Eng. Abstr.) **(Fre)**

[Myocardial scintigraphy using technetium-99m labelled methylene diphosphonate in coronary care units. 82 cases] Marchal C, et al. **Arch Mal Coeur** 1981 Jun;74(6):657–63 (Eng. Abstr.) **(Fre)**

[Portal hypertension, size of esophageal varices, risk of gastrointestinal bleeding, extra-hepatic uptake of 99m technetium phytate in cirrhotic patients (author's transl)] Bretagne JF, et al. **Gastroenterol Clin Biol** 1982 May; 6(5):467–71 (Eng. Abstr.) **(Fre)**

[Importance of bone scanning with Tc 99m in the supervision of hemodialysis patients with chronic renal failure (author's transl)] Kessler M, et al. **Nephrologie** 1981;2(4):171–5 (Eng. Abstr.) **(Fre)**

[Mammary lymphatic scintiscans by intratumoral injection in the assessment of breast cancer. 105 examination in 100 patients (author's transl)] Gabelle P, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3067–70 (Eng. Abstr.) **(Fre)**

[Static scintigraphy using technetium 99 labelled red blood cells] Rigalt JC, et al. **Phlebologie** 1981 Jul-Sep; 34(3):431–44 (Eng. Abstr.) **(Fre)**

[Sympathetic reflex dystrophy with hypofixation of technetium 99 m pyrophosphates on bone scintigraphy (author's transl)] Doury P, et al. **Sem Hop Paris** 1981 Sep 8–15;57(29–32):1325–7 (Eng. Abstr.) **(Fre)**

[Radioisotope study of the effect of acupuncture on the articular vascularization of the knee] Myhal D, et al. **Union Med Can** 1981 Dec;110(12):1046–8 (Eng. Abstr.) **(Fre)**

[Value of scintigraphic examination methods with 99mTechnetium in injuries of the epiphyseal cartilage (author's transl)] Neugebauer W, et al. **Aktuel Traumatol** 1981 Dec;11(6):217–24 (Eng. Abstr.) **(Ger)**

[Localization diagnosis and differential diagnosis of postoperative intraperitoneal abscesses using 99m technetium-stannum-colloid-marked granulocytes] Koch B, et al. **Chirurg** 1982 Mar;53(3):149–53 (Eng. Abstr.) **(Ger)**

[Diagnostic methods of nuclear medicine, 3. Radionuclide brain imaging, evaluation] el Helou A, et al. **Fortschr Med** 1980 Dec 11;98(46):1816–21 **(Ger)**

[Evaluation of renal transplant function by 99mTc-DTPA dynamic imaging (author's transl)] Berger H, et al. **Nuklearmedizin** 1980 Dec;19(6):263–70 (Eng. Abstr.) **(Ger)**

[Methodological problems of sacroiliac joint scintigraphy (author's transl)] Schörner W, et al. **Nuklearmedizin** 1981 Oct;20(5):241–6 (Eng. Abstr.) **(Ger)**

[Optimization of a producing method for technetium-99m-sulphur colloid without any stabilizing admixture (author's transl)] Penzel E, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):61–4 (Eng. Abstr.) **(Ger)**

[Myocardial scintigraphy with technetium-99m diphosphonate following radiation therapy of the thoracic area (author's transl)] Neumann G, et al. **Radiol Diagn (Berl)** 1981;22(5):690–6 (Eng. Abstr.) **(Ger)**

[Experimental nuclear medical examinations with the replacement of extended defects on the long bones (author's transl)] Sveshnikov AA, et al. **Radiol Diagn (Berl)** 1981; 22(6):823–31 (Eng. Abstr.) **(Ger)**

[Improved quality of thyroid scintigrams by using a gamma camera with pin-hole collimator (author's transl)] Anger K, et al. **ROFO** 1981 Aug;135(2):188–92 **(Ger)**

[Scinti-angiographic investigation of aortic dissection (author's transl)] Inoue Y, et al. **ROFO** 1981 Nov; 135(5):548–53 (Eng. Abstr.) **(Ger)**

[Disparate thyroid imaging with 99mTc pertechnetate and radioiodine (author's transl)] Koppers B. **ROFO** 1981 Dec; 135(6):717–20 **(Ger)**

[Radionuclide angiography (RNA) with 99mTc-DTPA to follow palliative embolization of renal cell carcinoma (author's transl)] Moser E, et al. **ROFO** 1981 Sep; 135(3):267–74 (Eng. Abstr.) **(Ger)**

[Radiological biliary tract diagnosis after cholecystectomy. I. Quantitative hepato-biliary functional scintigraphy (HBFS) (author's transl)] Schindler G. **ROFO** 1981 Aug; 135(2):181–7 (Eng. Abstr.) **(Ger)**

[Localization of extraosseous MDP uptake using emission computed tomography] Strauss L, et al. **ROFO** 1981 Dec; 135(6):739–40 **(Ger)**

[Display of a primary neuroblastoma in the bone scintigram] Thämmig R, et al. **ROFO** 1981 Aug;135(2):239–40 **(Ger)**

[Quantitative radioaerosol scintigraphy in peripheral airway disease] Weiss T, et al. **Rontgenpraxis** 1982 Apr;35(4):140–5 **(Ger)**

[Scintigraphy of the thyroid gland and iodine determination using the fluorescent technic] Leisner B. **Verh Dtsch Ges Inn Med** 1981;87:377–9 **(Ger)**

[Profilographic studies with 99mTc-pertechnetate in joint diseases in children] John M, et al. **Z Rheumatol** 1981 May-Jun;40(3):153–7 (Eng. Abstr.) **(Ger)**

[Comparative drug therapy study with scintigraphic control research] Kafarnik D, et al. **Z Rheumatol** 1981 Mar-Apr; 40(2):62–5 (Eng. Abstr.) **(Ger)**

[Hepatobiliary scanning in acute cholecystitis] Werbin N, et al. **Harefuah** 1981 Jun 15;100(12):565–6 (Eng. Abstr.) **(Heb)**

[Evaluation of left ventricular ejection fraction by means of a non-invasive technic: the 'nuclear stethoscope'] Zardini P, et al. **G Ital Cardiol** 1981;11(12):2205–10 **(Ita)**

[Myocardial accumulation of 99mTc MDP in patients subjected to extended adriblastin treatment. Protective effect of strophanthin and vitamin E] Ciambellotti E. **Minerva Med** 1982 Jan 14;73(1-2):21-4 (Eng. Abstr.) **(Ita)**

[Extraosseous tumor uptake of 99m technetium methylendiphosphonate in children with neuroblastoma (author's transl)] Mancini AF, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):535-9 **(Ita)**

[Clinical evaluation of scintigraphies with 99mTc-phytate and 67Ga-citrate as a screening test for hepatocellular carcinoma (author's transl)] Ayabe Y, et al. **Kaku Igaku** 1981 Feb;18(1):41-8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of bone metastases from carcinoma of the digestive system by scintigraphy with 99mTc-phosphorous compounds (author's transl)] Bussaka H, et al. **Kaku Igaku** 1981 Jun;18(5):591-9 (Eng. Abstr.) **(Jpn)**

[A new bone scanning agent: clinical experience of 99mTc-hydroxymethane diphosphonate (HMDP) (author's transl)] Fukunaga M, et al. **Kaku Igaku** 1981 Jul;18(6):863-7 **(Jpn)**

[Detection of ectopic calcification using 99mTc-methylene diphosphonate in disorders with deranged calcium metabolism (author's transl)] Fukunaga M, et al. **Kaku Igaku** 1981 Aug;18(7):989-93 **(Jpn)**

[Studies on in vivo labeling rate of red blood cells eith 99mTc-pertechnetate in radionuclide angiography (author's transl)] Hayashida K, et al. **Kaku Igaku** 1981 May; 18(4):495-501 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of 99mTc-hydroxymethylene diphosphonate (HMDP) bone scintigraphy: comparison with 99mTc-MDP (author's transl)] Honda H, et al. **Kaku Igaku** 1981 Nov;18(9):1315-9 **(Jpn)**

[Clinical use of 99mTc-rhenium sulfide colloid for lymphoscintigraphy (author's transl)] Itoh K, et al. **Kaku Igaku** 1981 Nov;18(9):1359-65 **(Jpn)**

[Clinical evaluation of 99mTc-EIDA scan for hepatobiliary disease (author's transl)] Itoh K, et al. **Kaku Igaku** 1981 Dec;18(10):1443-50 **(Jpn)**

[Abnormal 99mTc-diethyl IDA scan caused by the obstruction of superior vena cava: 'hot spot' in the liver (author's transl)] Kawaguchi S, et al. **Kaku Igaku** 1981 Feb; 18(1):105-8 **(Jpn)**

[Afferent loop syndrome: scintigraphic evaluation using 99mTc-labeled biliary excretory agents (author's transl)] Kuwabara Y, et al. **Kaku Igaku** 1982 Mar;19(2):269-74 **(Jpn)**

[The usefulness of early renal image with 99mTc-methylene diphosphonate (author's transl)] Miyake H, et al. **Kaku Igaku** 1981 Aug;18(7):985-7 **(Jpn)**

[Bone scintigraphy with 99mTc-hydroxymethylene diphosphonate (HMDP)--comparison with 99mtc-MDP (author's transl)] Nakano S, et al. **Kaku Igaku** 1981 Dec; 18(10):1485-8 **(Jpn)**

[Clinical significance of Tc99m colloid liver angiography for the diagnosis of hepatocellular carcinoma (author's transl)] Odano I, et al. **Kaku Igaku** 1982 Mar;19(2):255-61 (Eng. Abstr.) **(Jpn)**

[An asymmetrical uptake of 99mTc-MDP on the manubrium sterni and its surrounding bone in the patients with mastectomy (author's transl)] Ono Y, et al. **Kaku Igaku** 1981 Aug;18(7):929-34 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of bone scintigraphy with 99mTc-HMDP (author's transl)] Oshiro N, et al. **Kaku Igaku** 1982 Mar;19(2):305-11 **(Jpn)**

[Accessory spleen demonstrated by 99mTc-Sn colloid scintigraphy in patients without surgical splenectomy (author's transl)] Seto H, et al. **Kaku Igaku** 1982 Mar; 19(2):275-9 **(Jpn)**

[Photon-deficient kidney in 99mTc-DTPA serial scintigraphy (author's transl)] Seto H, et al. **Kaku Igaku** 1981 Nov;18(9):1255-61 (Eng. Abstr.) **(Jpn)**

[Evaluation of the cardiac multigated blood pool study with various heart disease using phase analysis (author's transl)] Takahashi T, et al. **Kaku Igaku** 1982 Mar;19(2):239-44 (Eng. Abstr.) **(Jpn)**

[Reproducibilities of the successive first pass radionuclide angiography using pertechnetate-99m (author's transl)] Takaoka S, et al. **Kaku Igaku** 1981 Dec;18(10):1399-404 (Eng. Abstr.) **(Jpn)**

[The changes in renal uptake of 99mTc-MDP after radiotherapy in the neuroblastoma (author's transl)] Takebayashi S, et al. **Kaku Igaku** 1981 Jul;18(6):859-62 **(Jpn)**

[Extraosseous accumulation of 99mTc-phosphate complexes (author's transl)] Takebayashi S, et al. **Kaku Igaku** 1981 Nov;18(9):1207-15 (Eng. Abstr.) **(Jpn)**

[Characteristics of digital perfusion images (DPI) in mitral stenosis (author's trans')] Tanaka T, et al. **Kaku Igaku** 1982 Mar;19(2):223-37 (Eng. Abstr.) **(Jpn)**

[Pelvic radionuclide lymphoscintigraphy (author's transl)] Tokumoto Y, et al. **Kaku Igaku** 1982 Mar;19(2):263-7 **(Jpn)**

[The quantitative evaluation of the dynamic functions of hepatobiliary system by using Tc-99m-pyridoxylideneisoleucine (author's transl)] Yamamoto K, et al. **Kaku Igaku** 1981 Dec;18(10):1459-63 **(Jpn)**

[A functional test of the salivary gland using 99mTc-pertechnetate--diagnostic values of the intraoral radioactivities (author's transl)] Kiuchi S, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun;84(6):618-26 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the reparative processes of infarcted capital femoral epiphysis in puppies--with special reference to the correlation of radionuclide (99mTc-MDP) uptake with radiological and pathohistological changes (author's transl)] Hayashi M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jul;55(7):697-712 (Eng. Abstr.) **(Jpn)**

[RI angiography with in vivo labeled 99mTc-pertechnetate RBC in the specific diagnosis of cavernous hemangioma of the liver (author's transl)] Imoto S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1125 **(Jpn)**

[Basic and clinical evaluation of 99mTc-labeled hepatobiliary RN scanning agents. Part 2. Clinical evaluation (author's transl)] Kawaguchi S. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):890-901 (Eng. Abstr.) **(Jpn)**

[Radionuclide cardioangiography by in vivo labeling of RBC with 99mTc and effective radiation protection (author's transl)] Hayashida K, et al. **Radioisotopes** 1981 Sep; 30(9):508-10 **(Jpn)**

[Diagnostic evaluation by whole body imaging of intra-arterially infused 99mTc-macroaggregated albumin (MAA) (author's transl)] Ichinohe H, et al. **Radioisotopes** 1982 Feb;31(2):104-6 **(Jpn)**

[Clinical evaluation of bone scintigraphy with 99mTc-HMDP (author's transl)] Ishii C, et al. **Radioisotopes** 1981 Jul;30(7):401-3 **(Jpn)**

[Whole body bone scintigram with 99mTc-HMDP (technetium-99m-hydroxy methylene diphosphonate) (author's transl)] Isobe Y, et al. **Radioisotopes** 1981 Nov; 30(11):606-8 **(Jpn)**

[Basic and clinical evaluations of bone scintigraphy with 99mTc hydroxymethylene diphosphonate (author's transl)] Kosuda S, et al. **Radioisotopes** 1981 Jul;30(7):404-6 **(Jpn)**

[Clinical evaluation of cardiac function test using scintiview (author's transl)] Miyazaki Y, et al. **Radioisotopes** 1981 Oct; 30(10):551-6 (Eng. Abstr.) **(Jpn)**

[An experimental crossover study between hydroxymethylene diphosphonate kit and methylene diphosphonate (author's transl)] Nagai K, et al. **Radioisotopes** 1982 Jan;31(1):32-4 **(Jpn)**

[Hepatobiliary function test with 99mTc-E-HIDA (author's transl)] Nakano S, et al. **Radioisotopes** 1981 May; 30(5):281-4 **(Jpn)**

[Clinical evaluation of lymphoscintigraphy using 99mTc-rhenium colloid--a comparison with lymphography (author's transl)] Ohnishi R, et al. **Radioisotopes** 1981 Jul;30(7):397-400 **(Jpn)**

[Bone scintigraphy with 99mTc-hydroxy methylene diphosphonate (99mTc-HMDP) (author's transl)] Okahashi S, et al. **Radioisotopes** 1981 Aug;30(8):458-60 **(Jpn)**

[Measurement of 24-hr whole-body retention of 99mTc-MDP with a thyroid uptake probe (author's transl)] Seto H, et al. **Radioisotopes** 1981 May;30(5):263-7 (Eng. Abstr.) **(Jpn)**

[Labeling of unnatural amino acids with 99mTc and tissue distribution of the labeled products in mice] Tamemasa O, et al. **Radioisotopes** 1981 Dec;30(12):674-8 (Eng. Abstr.) **(Jpn)**

[Fundamental study of tumor and lymphnode scintigram with double isotope method--using 67Ga-citrate and 99mTc-rhenium-colloid-- (author's transl)] Torizumi K, et al. **Radioisotopes** 1981 Mar;30(3):174-6 **(Jpn)**

[Bone scintigraphy with 99mTc-labeled methylene diphosphonate in hemodialysis patients (author's transl)] Yamashita M, et al. **Radioisotopes** 1981 Nov;30(11):609-11 **(Jpn)**

[Horseshoe kidney incidentally detected by 99mTc-MDP bone scintigraphy: report of 2 cases (author's transl)] Bussaka H, et al. **Rinsho Hoshasen** 1982 May;27(5):581-3 **(Jpn)**

[Pericardial hemangioma indicated by 99mtechnetium labeled human serum albumin blood pool scintigraphy (author's transl)] Kawai C, et al. **Rinsho Hoshasen** 1982 Jan; 27(1):119-22 (Eng. Abstr.) **(Jpn)**

[Hepatobiliary Scintigram (author's transl)] Kuramoto M, et al. **Rinsho Hoshasen** 1982 Jan;27(1):69-71 (Eng. Abstr.) **(Jpn)**

[Extra-osseous accumulation of 99mTc-MDP in 2 cases of soft-tissue sarcoma (author's transl)] Nakajima H, et al. **Rinsho Hoshasen** 1981 Mar;26(3):417-20 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of acute myocardial infarction imaging by 99mTc-pyrophosphate (author's transl)] Narita M. **Rinsho Hoshasen** 1982 May;27(5):525-32 (Eng. Abstr.) **(Jpn)**

[Concentration of 99mTc methylen-diphosphonate in pulmonary small cell anaplastic carcinoma and hepatic metastasis from pulmonary adenocarcinoma. Report of two cases (author's transl)] Okimura T, et al. **Rinsho Hoshasen** 1982 Jan;27(1):127-30 (Eng. Abstr.) **(Jpn)**

[Accumulation of 99mTc-methylene diphosphonate in liver metastases from carcinoma of colon: case reports (author's transl)] Sakata H, et al. **Rinsho Hoshasen** 1981 Feb; 26(2):315-8 (Eng. Abstr.) **(Jpn)**

[Usefulness of the determination of technetium -99m pyrophosphate accumulation indicators in the evaluation of the activity of rheumatoid arthritis] Jonderko G, et al. **Pol Arch Med Wewn** 1981 Sep;66(3):177-83 (Eng. Abstr.) **(Pol)**

[Results of measuring the blood flow in the gastric mucosa of dogs by the 99mTc-4-methylaminophenazone clearance method] Döbrönte Z, et al. **Fiziol Zh SSSR** 1982 May; 68(5):660-6 (Eng. Abstr.) **(Rus)**

[Dynamics of pulmonary perfusion in the postembolism period] Savel'ev VS, et al. **Grudn Khir** 1982 May-Jun; (3):5-9 **(Rus)**

[99mTc-pyrophosphate scintigraphic indices at different times in acute myocardial infarct] Vinogradov AV, et al. **Kardiologiia** 1981 Aug;21(8):44-7 (Eng. Abstr.) **(Rus)**

[Diagnostic potential of radionuclide splenoportography with 99mTc-MAA in pediatrics] Dmitrienkov BN, et al. **Med Radiol (Mosk)** 1982 May;27(5):3-5 **(Rus)**

[Evaluation of the edge defect in radiocolloid hepatoscintigrams by means of repeated studies with 99mTc-HIDA] Koroliuk IP, et al. **Med Radiol (Mosk)** 1982 Apr;27(4):30-2 **(Rus)**

[Renal artery scanning in non-neoplastic kidney diseases] Kotliarov PM, et al. **Med Radiol (Mosk)** 1982 Apr; 27(4):42-5 (Eng. Abstr.) **(Rus)**

[Metastatic lesions of the kidneys detected during bone scanning with 99mTc 99mTc-pyrophosphate] Smirnov IuN, et al. **Med Radiol (Mosk)** 1982 Apr;27(4):60-1 **(Rus)**

[Use of 99mTc-colloid for studying lymph flow during leg lengthening by the Ilizarov method] Sveshnikov AA, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):20-3 (Eng. Abstr.) **(Rus)**

[Nephroscintigraphy with 99mTc-labeled pharmaceuticals] Zubovskii GA, et al. **Med Radiol (Mosk)** 1982 Jun; 27(6):44-9 (Eng. Abstr.) **(Rus)**

[Hepatobiliscintigraphy with 99mTc-HIDA] Zubovskii GA, et al. **Med Radiol (Mosk)** 1981 Oct;26(10):34-40 (Eng. Abstr.) **(Rus)**

[Diagnostic effectiveness of 99mTc-phytate colloid in the study of the hepatolienal area] Zubovskii GA, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):24-8 (Eng. Abstr.) **(Rus)**

[Study of the hepatobiliary system using 99mTc-p-butyl-IDA] Zubovskii GA, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):28-31 (Eng. Abstr.) **(Rus)**

[Kidney scintigraphy with 99mTc-DTPA in children] Zubovskii GA, et al. **Pediatriia** 1982 May;(5):31-4 **(Rus)**

[Methods of radioindication in evaluating kidney function] Davydov GA. **Vestn Akad Med Nauk SSSR** 1981;(6):43-6 (Eng. Abstr.) **(Rus)**

[Use of a technetium radionuclide complex to study blood-brain barrier permeability] Dvorskii OV, et al. **Voen Med Zh** 1982 Apr;(4):59-60 **(Rus)**

[Predictive value of 99m-Tc-Sn(II) methylene diphosphonate in the study of acute myocardial infarction] Cuarón A, et al. **Arch Inst Cardiol Mex** 1982 Jan-Feb; 52(1):15-9 (Eng. Abstr.) **(Spa)**

[Use of sodium Tc-99m pertechnetate in the diagnosis of Meckel's diverticulum. Apropos of a case] Benito R, et al. **Rev Clin Esp** 1981 Oct 15;163(1):65-7 **(Spa)**

[Choledochal cyst. Diagnosis and development using 99m-Tc HIDA] Guitián Iglesias R, et al. **Rev Clin Esp** 1981 Dec 15;163(5):359-52 **(Spa)**

[Cardiac gammagraphy with technetium pyrophosphate: positive image of acute myocardial infarct] Candell-Riera J, et al. **Rev Esp Cardiol** 1981;34(2):105-14 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

A closed system for extraction of injectable pertechnetate from molybdenum-99. Nabardi B, et al. **Int J Appl Radiat Isot** 1982 Jun;33(6):473-4

METABOLISM

Subcellular binding of 99Tcm-gluconate in infarcted myocardium in dogs. Ahlberg NE, et al. **Acta Radiol [Oncol]** 1981;20(6):357-60

Relationship of mitochondrial alterations and 99mTc pyrophosphate uptake during myocardial ischemia. Mukherjee A, et al. **Am J Physiol** 1982 Aug;243(2):H268-76

Patterns of diffusely increased skeletal radiopharmaceutical uptake. Wilson MA, et al. **Australas Radiol** 1981 Jul: 25(2):177-80

Normal pharmacokinetics of 99mTc-diphosphonate after intravenous administration. Castronovo FP Jr. **Biopharm Drug Dispos** 1981 Jul-Sep;2(3):283-9

Effects of therapeutic ultrasound on clearance rate of blood borne colloidal particles in vivo. Saad AH, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):202-5

Splenic accumulation of technetium 99m-methylene diphosphonate. Nisbet AP, et al. **Br J Radiol** 1982 Jun; 55(654):454-5

Kinetics of 99mTc-tin-methylene diphosphonate in normal subjects and pathological conditions: a simple index of bone metabolism [letter] Coupal JJ. **Calcif Tissue Int** 1981; 33(5):555

The 'hot spleen' phenomenon in metastatic malignant melanoma: its incidence and relationship with the immune system. Wagstaff J, et al. **Cancer** 1982 Feb 1;49(3):439-44

Imaging of irradiated liver with Tc-99m-sulfur colloid and Tc-99m-IDA. Gelfand MJ, et al. **Clin Nucl Med** 1981 Sep; 6(9):399-402

Increased Tc-99m-sodium medronate accumulation in renal carcinoma. Polga JP. **Clin Nucl Med** 1981 Sep;6(9):416-7
Can serial scintigraphic studies detect delayed fracture union in man? O'Reilly RJ, et al. **Clin Orthop** 1981 Oct; (160):227-32
Radionuclide bone imaging of femoral prostheses with porous coatings. Spector M, et al. **Clin Orthop** 1981 Oct; (160):242-9
Functional imaging of uptake of radiopharmaceuticals as a method for tumor visualisation in rats. Brousil J, et al. **Czech Med** 1981;4(3):147-52
Autoradiographic comparison of 96Tc-pyrophosphate and 45Ca bone uptake. Le Pape A, et al. **Eur J Nucl Med** 1982; 7(3):127-9
Deposition of small 99mTc-labelled colloids in bone marrow and lymph nodes. Nagai K, et al. **Eur J Nucl Med** 1982; 7(2):66-70
Chemical structure and pharmacokinetics of 99mTc-labelled aminomethane diphosphonic acid derivatives. Unterspann S, et al. **Eur J Nucl Med** 1981;6(11):527-30
Bioaccumulation of 95mTc in fish and snails. Blaylock BG, et al. **Health Phys** 1982 Mar;42(3):257-66
Effect of the nature of technetium coordination complex on cell membrane permeability: mononuclear complex of 99mTc--penicillamine ethyl ester. Horiuchi K, et al. **Int J Appl Radiat Isot** 1981 Aug;32(8):545-51
Disappearance of soft tissue 99mTc diphosphonate activity following radiation therapy. Hill LT. **J Natl Med Assoc** 1981 Dec;73(12):1119-21
Muscle uptake of 99mtechnetium pyrophosphate in patients with neuromuscular disorder. A quantitative study. Messina C, et al. **J Neurol Sci** 1982 Jan;53(1):1-7
The uptake of 99mtechnetium diphosphonate into degenerating and regenerating muscle. A correlative histological and biochemical study. Vita G, et al. **J Neurol Sci** 1981 Sep;51(3):339-54
Thyroid uptake of Tc-99m compromising in vivo RBC tagging. Abdel-Nabi H, et al. **J Nucl Med** 1981 Nov; 22(11):1018-9
A comparison of skeletal uptakes of three diphosphonates by whole-body retention: concise communication. Fogelman I, et al. **J Nucl Med** 1981 Oct;22(10):880-3
Age-related alterations in skeletal metabolism--24-hr whole-body retention of diphosphonate in 250 normal subjects: concise communication. Fogelman I, et al. **J Nucl Med** 1982 Apr;23(4):296-300
Synthesis and biological evaluation of Tc-99m N,N'-bis(mercaptoacetyl)-2,3-diaminopropanoate: a potential replacement for [131I]o-iodohippurate. Fritzberg AR, et al. **J Nucl Med** 1982 Jul;23(7):592-8
Pulmonary uptake of Tc-99m-Labeled methylene diphosphonate in a patient with a parathyroid adenoma. Herry JY, et al. **J Nucl Med** 1981 Oct;22(10):888-90
A new formulation of Tc-99m minimicroaggregated albumin for marrow imaging: comparison with other colloids, In-111 and Fe-59. McAfee JG, et al. **J Nucl Med** 1982 Jan;23(1):21-8
Tc-99m PPi localization in acute experimental myocardial infarction: application of macro- and microautoradiography [letter] Tomoike H, et al. **J Nucl Med** 1982 Jan;23(1):84-5
Tc-99m DMSA renal uptake: influence of biochemical and physiologic factors. Yee CA, et al. **J Nucl Med** 1981 Dec; 22(12):1054-8
Radioactive excretion in human milk following administration of technetium Tc 99m macroaggregated albumin. Pittard WB 3d, et al. **Pediatrics** 1982 Aug; 70(2):231-4
Liver uptake of 99mTc-pyrophosphate. Hansen S, et al. **Semin Nucl Med** 1982 Jan;12(1):89-91
Increased uptake of technetium-99m-labeled bone imaging agents in the kidneys. Siddiqui AR. **Semin Nucl Med** 1982 Jan;12(1):101-.
Relationship of 99mTc-MDP uptake to regional osseous circulation in skeletally immature and mature dogs. McKinstry P, et al. **Skeletal Radiol** 1982;8(2):115-21
[Retention of 99mTc-MDP in edema fluid] Vattimo A, et al. **Boll Soc Ital Cardiol** 1980;25(7):719-22 **(Ita)**
[Transient lung uptake of 99mTc-phytate in a patient with SLE (author's transl)] Kobayashi H, et al. **Kaku Igaku** 1982 Feb;19(1):167-71 **(Jpn)**
[Biodistribution of Tc-99m-rhenium colloid in rats: a comparison with Tc-99m-sulfur colloid (author's transl)] Nakajima K, et al. **Kaku Igaku** 1981 Aug;18(7):967-71 **(Jpn)**
[Accumulation of sodium 2,3-dicarboxypropan-1,1-diphosphonate in bone of rabbits (author's transl)] Nagai K, et al. **Radioisotopes** 1982 Apr; 31(4):197-8 **(Jpn)**

STANDARDS

Determination of radiochemical purity and pharmacokinetic parameters of 99mTc-sulphur colloid and 99mTc-tin colloid. Jovanović V, et al. **Nuklearmedizin** 1981 Dec; 20(6):279-82

TOXICITY

A subacute toxicity study on 99m Tc stannous Glucoheptonate injection. Belbeck L, et al. **Can J Comp Med** 1981 Jul;45(3):299-303

TECHNOLOGY

Utilization of technology in the education of the deaf-blind. Bravin PW. **Am Ann Deaf** 1981 Sep;126(6):707-14
An overview of occupational exposure control technology in nonferrous smelting. Burton DJ. **Am J Industr Med** 1980; 1(3-4):293-305
Health care takes on Telidon. MacDonald W. **Dimens Health Serv** 1982 Mar;59(3):20, 22
Comes the (technological) revolution [editorial] Martin JC. **Dimens Health Serv** 1982 Mar;59(3):4-5 **(Eng, Fre)**
Technology and nursing education: a scenario for 1990. Ackerman WB. **J Adv Nurs** 1982 Jan;7(1):59-68
Meeting the challenges of new technology. Leveridge LL. **J Biocommun** 1981 Nov;8(3):2-4
Engineering design and appropriate technology. McPhun MK. **J Med Eng Technol** 1981 Mar;5(2):80-3
A socially acceptable emergency alarm system. Pocock SN, et al. **J Med Eng Technol** 1981 Mar;5(2):68-72
Presidential address to the British Academy of Forensic Sciences. Some recent advances in police technology. Walton HD. **Med Sci Law** 1982 Jan;22(1):2-15
Nutrition in the 1980s: constraints on our knowledge. Appropriate technology. Elliott V. **Prog Clin Biol Res** 1981; 67:431-6
Industrial microbiology. Demain AL. **Science** 1981 Nov 27; 214(4524):987-95
[In search of balance] Henry J. **Rev Med Brux** 1982 Jun; 3(6):431-3 **(Fre)**
[The stakes of the transfer of technology] Jaumotte AL. **Rev Med Brux** 1982 Jun;3(6):434-42 **(Fre)**
[Modern technology and the health of workers] Roshchin AV. **Gig Tr Prof Zabol** 1981 Sep;(9):1-5 (Eng. Abstr.) **(Rus)**
[Tasks of industrial hygiene and environmental protection in ferrous and nonferrous metallurgy in relation to scientific and technical progress] Velichkovskiĭ BT, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):1-5 (Eng. Abstr.) **(Rus)**
[The scientific and technical revolution and social hygiene problems of gerontology] Sachuk NN, et al. **Sov Zdravookhr** 1981;(8):28-31 **(Rus)**

HISTORY

Ancient technology in contemporary surgery. Buck BA. **West J Med** 1982 Mar;136(3):265-9

INSTRUMENTATION

A new experimental method for measuring life time and crack growth of materials under multi-stage and random loadings. Stanzl S. **Ultrasonics** 1981 Nov;19(6):269-72
[In vitro biopharmaceutical control of drug preparations. 2. Comparison of various extraction-testing apparatuses with coated tablets containing Aparkazin (diethazine chloride)] Keserü P, et al. **Acta Pharm Hung** 1981 Nov;51(6):264-9 (Eng. Abstr.) **(Hun)**
[Establishing permissible vibration levels at work sites for the operators of industrial equipment] Tartakovskaia LIa, et al. **Gig Tr Prof Zabol** 1982 May;(5):8-10 (Eng. Abstr.) **(Rus)**

TECHNOLOGY ASSESSMENT, BIOMEDICAL

Safety, efficacy, and effectiveness of clinical practices: a new initiative. Schwartz JS, et al. **Ann Intern Med** 1982 Feb; 96(2):246-7
National Institutes of Health Consensus Development Conference statement on coronary bypass surgery: scientific and clinical aspects. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):126-9
Consensus development conference on coronary artery bypass surgery: introduction. Frye RL, et al. **Circulation** 1982 Jun; 65(7 Pt 2 Suppl):1-2
Aortocoronary bypass grafting: an internist's perspective. McIntosh HD. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):77-81
Comparison of medical and surgical management of coronary artery disease: methodologic issues. Ware JH. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):32-6
Symposium on technology assessment. **Clin Lab Med** 1981 Mar;1(1):1-153
Computer-based laboratory information systems. Dayhoff RE, et al. **Clin Lab Med** 1981 Mar;1(1):111-25
Immunology: current and future technology assessment. Maggio ET, et al. **Clin Lab Med** 1981 Mar;1(1):77-109 (103 ref.)
Blood banking. Ness PM. **Clin Lab Med** 1981 Mar;1(1):67-76
Technology assessment in laboratory medicine: rationalizing or rationing? Rock RC. **Clin Lab Med** 1981 Mar;1(1):3-19
Economic analysis in assessing technology in clinical laboratories. Westlake GE. **Clin Lab Med** 1981 Mar; 1(1):39-47
Computed tomographic scanning of the brain, sponsored by the National Institute of Neurological and Communicative Disorders and Stroke assisted by the Office for Medical Applications of Research, NIH. **Conn Med** 1982 Jun; 46(6):335-9
Coronary artery bypass surgery. Sponsored by the National Heart, Lung, and Blood Institute, assisted by the Office of Medical Applications of Research, NIH. **Conn Med** 1981 Oct;45(10):649-53
Can robots do it better [editorial] Martin JC. **Dimens Health Serv** 1981 Aug;58(8):5-6 **(Eng, Fre)**
Report lauds brain scan's record, says CTs needed in more hospitals. **Hospitals** 1982 May 1;56(9):55
Tutorial on the health and social value of computerized medical imaging. Fineberg HV, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):50-6
Coronary artery bypass surgery. NCHCT Technology Assessment Forum. **JAMA** 1981 Oct 9;246(15):1645-9
Clinical use of radionuclide bone imaging in a university medical center. Fihn SD, et al. **JAMA** 1982 Jul 23; 248(4):439-42
NIH statement: computed tomographic scanning of the brain. **Md State Med J** 1982 Jul;31(7):52-7
Consensus Development: technology assessment at NIH. Lowe CU. **Md State Med J** 1982 Jan;31(1):55-6
Health care technology assessment essential to effective medical care. Bunker JP. **Med Instrum** 1981 Sep-Oct; 15(5):289-90
Health practices assessment should include social, economic, and ethical implications. Robbins FC. **Med Instrum** 1981 Sep-Oct;15(5):293-5
National Center for Health Care Technology: an important resource for health care delivery. Sanders CA. **Med Instrum** 1981 Sep-Oct;15(5):299-301
Federal technology assessment programs should be limited. Schoellhorn RA. **Med Instrum** 1981 Sep-Oct;15(5):291-2
Policy formulation and technology assessment. Banta HD, et al. **Milbank Mem Fund Q** 1981 Summer;59(3):445-79
Evaluation of medical-technology strategies: proposal for an institute for health-care evaluation (second of two parts). Bunker JP, et al. **N Engl J Med** 1982 Mar 18;306(11):687-92
An institute for health-care evaluation [editorial] Relman AS. **N Engl J Med** 1982 Mar 18;306(11):669-70
Technologic advances in medicine: the good news and the bad. Budd JH. **Postgrad Med** 1982 Jan;71(1):11-3, 15-6

ECONOMICS

Review of medical technology policies shows need, opportunities for changes. Banta D. **Hospitals** 1982 Apr 1;56(7):87-90
Safety and clinical effectiveness of intracranial pressure monitors for purposes of Medicare coverage. Cotter DJ, et al. **Med Instrum** 1982 Jan-Feb;16(1):9-11
The role of technology in the long-term care for the aged. Haber PA. **Med Instrum** 1982 Jan-Feb;16(1):7-8
Cost/benefit analysis-another dimension. Hess OW. **Med Instrum** 1982 Jan-Feb;16(1):76-7

METHODS

Four methods show how to control development of new technologies. Mamana JP. **Hospitals** 1981 Nov 16;55(22):54, 57
King's centre for the assessment of radiological equipment. Harris L. **Radiography** 1981 Dec;47(564):281-90

STANDARDS

Evaluation of medical-technology strategies: effects of coverage and reimbursement (first of two parts). Bunker JP, et al. **N Engl J Med** 1982 Mar 11;306(10):620-4

TECHNOLOGY, DENTAL

The impact of research and technologist advances on dental education. Löe H. **J Dent Educ** 1981 Oct;45(10):670-7
Color and glaze: effects of repeated firings. Barghi N. **J Prosthet Dent** 1982 Apr;47(4):393-5
A comparison of intraoral and extraoral radiological technology. Aker F, et al. **Milit Med** 1981 Nov; 146(11):803-6
A comparison of some aspects of dental technology in commercial laboratories in England and Sweden. Stafford GD, et al. **Swed Dent J** 1982;6(2):81-6
[9th Annual Meeting of the German Society for Dental Care and the Ergonomics Corporation, Braunschweig 1981] **Dtsch Zahnarztl Z** 1982 May;37(5):397-468 **(Ger)**
[Hygiene in dental practice. I. Sterilization] Hefti A. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):429-40 (Eng. Abstr.) **(Ger)**
[Laser and inorganic materials (author's transl)] Kuroda S, et al. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):478 **(Jpn)**
[Japanese and foreign literature on dental apparatus and materials, XXII. 1980] **Shika Rikogaku Zasshi** 1981 Oct; 22(60):323-57 **(Jpn)**

INSTRUMENTATION

A comparison of three techniques for fabricating metal molds. Choy E, et al. **J Prosthet Dent** 1981 Oct;46(4):430-6
Fabrication of vacuum adapter for the construction of provisional coverage splints. Garver DG, et al. **J Prosthet Dent** 1982 Apr;47(4):457-8
[Cofferdam, a guide for its use] Klauser RM. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):444-54 concl (Eng. Abstr.) **(Ger)**
[Cofferdam, a guide for its use] Klauser RM. **SSO Schweiz Monatsschr Zahnheilkd** 1981 May; 91(5):388-95 contd **(Ger)**
[The preparation of ground sections of teeth and bone 3. Information: the preparation of thin ground sections (author's transl)] Paatz KR, et al. **Zahn Mund Kieferheilkd** 1981;69(5):359-67 (Eng. Abstr.)

(Ger)
[Cinematic analysis of the capsule and material to be mixed in mixing units for dental materials using high-speed film] Welker D. **Zahn Mund Kieferheilkd** 1981;69(7):571–83 (Eng. Abstr.) (Ger)
[Current tasks of creating mechanized instruments for medical practice] Repin VA. **Med Tekh** 1981 Sep–Oct; (5):18–20 (Rus)

MANPOWER

Dental technology program administrators' attitudes toward credentialing health manpower. Thomson WA, et al. **J Dent Educ** 1982 Mar;46(3):158–62

STANDARDS

[Work on standardization in dentistry within the Comecon framework] Buzin SV. **Med Tekh** 1982 May–Jun;(3):58–9 (Rus)

TRENDS

The transfer of preventive health technologies to schools: a focus on implementation. Coombs JA, et al. **Soc Sci Med [a]** 1981 Dec;15A(6):789–99
[Development of dental technology in the 11th Five-Year Plan] **Med Tekh** 1982 May–Jun;(3):6–8 (Rus)

TECHNOLOGY, FOOD see **FOOD TECHNOLOGY**

TECHNOLOGY, HIGH-COST

Physician–administrator decision making for high-technology purchases: a model approach. Brozovich JP, et al. **Health Care Manage Rev** 1981 Summer;6(3):63–73

ECONOMICS

Beyond technology: intensive care in the 1980s. Civetta JM. **Crit Care Med** 1981 Nov;9(11):763–7
The cost of high technology medicine [editorial] **NZ Med J** 1982 May 12;95(707):308
Cost containment. Fix LW. **W Va Med J** 1981 Nov;76(11):300

TRENDS

Broader use of laser technology predicted for hospitals. **Hospitals** 1981 Nov 1;55(21):42, 44

TECHNOLOGY, MEDICAL

Comparison of surveillance and control activities of infection control nurses and infection control laboratorians in United States hospitals, 1976–1977. Emori TG, et al. **Am J Infect Control** 1982 Feb;10(1):3–16
Stress and the medical technologist: II. Sources and coping mechanisms. Matteson MT, et al. **Am J Med Technol** 1982 Mar;48(3):169–76
Stress and the medical technologist: I. A general overview. Matteson MT, et al. **Am J Med Technol** 1982 Mar; 48(3):163–8
Ophthotechnology [editorial] Kramer SG, et al. **Am J Ophthalmol** 1982 Jun;93(6):794–5
Biomedical image processing. Huang HK. **CRC Crit Rev Bioeng** 1981;5(3):185–271 (172 ref.)
Tutorial on the health and social value of computerized medical imaging. Fineberg HV, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):50–6
Policies toward medical technology: an international review. Banta HD, et al. **Int J Health Serv** 1981;11(4):631–52
Medical physics in Nottinghamshire. Whelpton D. **J Med Eng Technol** 1981 Jul;5(4):183–5
Results of a survey of the professional activities of 811 cardiopulmonary perfusionists. Miller DW Jr, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):385–9
Methodology for NASA technology transfer in medicine. Rouse DJ, et al. **Med Instrum** 1981 Jul–Aug;15(4):234–6
Poker machine pathology: Are all those special investigations giving us better medicine? Isbister JP. **Med J Aust** 1981 Nov 28;2(11):609–10
Certificate of need and low capital-cost medical technology. Cohen AB, et al. **Milbank Mem Fund Q** 1982 Spring; 60(2):307–28
Lay attitudes toward physicians and medical technology. Janus CL, et al. **Mt Sinai J Med (NY)** 1981 Jul–Aug; 48(4):345–9
Evaluating the impact of medical care and technologies on the quality of life: a review and critique. Najman JM, et al. **Soc Sci Med [F]** 1981 Sep;15(2–3):107–15
[Basic social problems from the viewpoint of scientific advances in medical practice] Bouček K. **Cas Lek Cesk** 1982 May 28;121(21):641–3 (Cze)
[Medical technology laboratories—decentralization tendencies (editorial)] Magid E. **Ugeskr Laeger** 1981 Aug 31;143(36):2318–9 (Dan)
[Medical technology '81. Proceedings of the 15th annual meeting of the German Society for Biomedical Engineering with the Austrian and Swiss Societies for Biomedical Engineering. Abstracts] **Biomed Tech (Berlin)** 1981 Sep;26 Suppl:352 pp. (Ger)
[Technology and humanity in medicine] Schaefer H. **Biomed Tech (Berlin)** 1981 Oct;26(10):226–33 (Ger)
[Methodological aspects of technology in the activities of health and hygiene officers] Emel'ianova GF, et al. **Gig Sanit** 1981 Aug;(8):39–43 (Rus)
[Mongolian–Soviet treaty relationships directed at shaping the scientific and technical potential of Mongolia in the public health field] Dariima D. **Sov Zdravookhr** 1981; (10):52–8 (Rus)
[Appropriate technology in the field of health] **Bol Of Sanit Panam** 1981 Aug;91(2):166–70 (Spa)
[Use and disuse of patents in Mexican biomedicine (editorial)] Gallegos AJ. **Gac Med Mex** 1982 Feb;118(2):45–8 (Spa)

ECONOMICS

Economic security: an AJMT special report. **Am J Med Technol** 1982 Mar;48(3):183–9
Academic rank and salary status of medical laboratory sciences faculty. Maturen A, et al. **Am J Med Technol** 1981 Dec;47(12):991–5
Trends in health care cost—the contribution of technology. Deber R. **Dimens Health Serv** 1982 Jan;59(1):16–9
Controlling costs by adjusting payment for medical technologies. Hellinger FJ. **Inquiry** 1982 Spring;19(1):34–43
Determining health insurance coverage of technology: problems and options. Greenberg B, et al. **Med Care** 1981 Oct;19(10):967–78
Evaluation of medical-technology strategies: effects of coverage and reimbursement (first of two parts). Bunker JP, et al. **N Engl J Med** 1982 Mar 11;306(10):620–4
Medical technology and the crisis of experience: the costs of clinical legitimation. Plough AL. **Soc Sci Med [F]** 1981 Sep;15(2–3):89–101
[Economic problems of medical instrument manufacture] Izmailov AKh. **Med Tekh** 1982 May–Jun;(3):34–8 (Rus)

EDUCATION

Training and certification of cardiovascular perfusionists [editorial] Clark RE, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):324–5
Beating the knowledge and technology explosion. Dykes MH. **JAMA** 1981 Oct 23–30;246(17):1924–5
A is for attitude. Beli R. **Radiol Technol** 1980 Nov–Dec; 52(3):265–8
Admissions procedures of educational programs for the specialist in blood bank technology. Glinski CJ, et al. **Transfusion** 1981 Sep–Oct;21(5):564–70

HISTORY

Laboratory medicine—then and now. Reinstein H. **Am J Med Technol** 1982 Jun;48(6):427–9
Life insurance and the physical examination: a chapter in the rise of American medical technology. Davis AB. **Bull Hist Med** 1981 Fall;55(3):392–406
Technology and the eclipse of individualism in medicine. Reiser SJ. **Pharos** 1982 Winter;45(1):10–5
[50th anniversary of medical instrument manufacture at the P. V. Gusenkov Mozhaisk Medical Instrument Plant] Balikhin LN. **Med Tekh** 1981 Sep–Oct;(5):15–7 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Computer-based calibration of the DuPont ACA II. Swezey CB, et al. **Am J Med Technol** 1981 Sep;47(9):737–9
Buying technology: international perspectives. Martin D. **Dimens Health Serv** 1981 Oct;58(10):27
Cherchez les femmes (or the personal touch in the laboratory). Seller MJ. **J Med Genet** 1981 Dec;18(6):463–4
[Importance of medical technology automation in improving therapeutic and prophylactic care for the population] Andreev NA. **Med Tekh** 1981 Nov–Dec;(6):9–13 (Rus)
[Scientific and Technical Institute of Medical technology of the 'Khirana' organization] Fenik O. **Med Tekh** 1981 Jul–Aug;(4):56–8 (Rus)
[Technical progress in the manufacture of medical instruments and equipment] Logachev IuG, et al. **Med Tekh** 1981 Sep–Oct;(5):3–8 (Rus)
[Measures for raising the level of metrology support in medical instrument manufacture] Okhotnikov GI. **Med Tekh** 1981 Sep–Oct;(5):41–2 (Rus)
[Current tasks of creating mechanized instruments for medical practice] Repin VA. **Med Tekh** 1981 Sep–Oct; (5):18–20 (Rus)
[Work experience of the medical service efficiency experts in the Moscow Military District] Umrikhin LA. **Voen Med Zh** 1981 Aug;(8):53–4 (Rus)

MANPOWER

A stat lab: the heart of a medical center laboratory. Heckman GR, et al. **Milit Med** 1981 Aug;146(8):539–42

STANDARDS

The issue of quality of personnel. LaMotte LC Jr. **Am J Med Technol** 1981 Dec;47(12):971–2
The Clinical Laboratory Improvement Acts: a perspective of the process politics. Part II of a two-part series. Kindschi GW. **Wis Med J** 1981 Mar;80(3):21–3

TRENDS

The 1980s—what looms ahead. Ginzberg E. **Am J Med Technol** 1982 Apr;48(4):279–82
Clinical laboratory science in the coming decades: an AJMT special report. Price G. **Am J Med Technol** 1982 Apr; 48(4):277–8
The laboratory environment: 1990–2000. Ross DL. **Am J Med Technol** 1982 Apr;48(4):282–7
The uncontrolled proliferation of technology. Ezekowitz MD. **Chest** 1982 Feb;81(2):140
Advances in laboratory medicine: the implications of BRMs. Martin D. **Dimens Health Serv** 1982 Jul;59(7):27
Advances in laboratory medicine: protein imaging. Martin D. **Dimens Health Serv** 1982 May;59(5):9
Technology in health care. Lenihan JM. **Health Bull (Edinb)** 1982 Jan;40(1):31–3
The role of industry in the development of biomedical technology. Kahn RH. **Henry Ford Hosp Med J** 1981; 29(3):161–4
Technology and the surgical suite: forest of instrumentation improves, but complicates, surgical practice. Kernaghan SG. **Hospitals** 1982 Mar 16;56(6):101–5
Surgeons look at medical instrumentation in the twentieth century: progress, problems, and prospects. Part I. Harken DE. **Med Instrum** 1981 Jul–Aug;15(4):222–5
Changes in the use of medical technologies, 1972–1977: a study of 10 inpatient diagnoses. Showstack JA, et al. **N Engl J Med** 1982 Mar 25;306(12):706–12
[Characteristics of creative inventions in general and emergency surgery] Pikenin AM, et al. **Klin Khir** 1982 Apr; (4):32–5 (Rus)
[Increasing the effectiveness of the use of medical technology] Dzhamaludinov ZK. **Med Tekh** 1982 Mar–Apr;(2):57–8 (Rus)
[Main tasks and trends in the development of medical technology in the 11th 5-year period] Kerbunov VV. **Med Tekh** 1982 Mar–Apr;(2):9–13 (Rus)
[Modern research trends in the field of medical instrumentation] Sabitov VKh. **Med Tekh** 1981 Sep–Oct; (5):8–11 (Rus)
[Further improvement in the field of invention and efficiency] Marasanov RA. **Voen Med Zh** 1981 Aug;(8):12–5 (Rus)
[Medicine and technology (author's transl)] Ortúzar R. **Rev Med Chil** 1981 Jul;109(7):656–60 (Eng. Abstr.) (Spa)

TECHNOLOGY, PHARMACEUTICAL

see related
DRUG INDUSTRY

Studies on the physical properties of tablets and tablet excipients. III. Water sorption and its effect on hardness and disintegration. Nyqvist H, et al. **Acta Pharm Suec** 1981; 18(5):305–14
Mixing of pharmaceutical powders and granules. II. Mixing degree of granules and various kinds of powders. Fujiwara H, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):666–72
Effect of lubricant on die wall friction during the compaction of pharmaceutical powders. Hirai Y, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):684–94
Fluidized bed granulation: scaling-up from pilot to industrial plant. Ceschel GC, et al. **Farmaco [Prat]** 1981 Jun; 36(6):281–93
The determination of methylene diphosphonic acid in lyophilized radiopharmaceuticals. Barnes RK, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):174–5
The reconstitution of powders for injection with gamma-irradiated water. Jacobs GP, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):180–1
Quality control studies of 99mTc-labeled radiopharmaceuticals by high-performance liquid chromatography. Wong SH, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):185–6
Liquid chromatography-mass spectrometry in the pharmaceutical industry: objectives and needs. Erni F. **J Chromatogr** 1982 Apr 9;251(2):141–51
Considerations of carrier (continued) [letter] Grant PM, et al. **J Nucl Med** 1982 Jan;23(1):84
Statistical methods in parenteral drug research. I. Basic concepts. Porter WR. **J Parenter Sci Technol** 1981 Nov–Dec;35(6):293–301
British Pharmaceutical Conference 1981. Science proceedings. 118th meeting, Brighton, September 14–17, 1981. **J Pharm Pharmacol** 1981 Dec;33 Suppl:1P–115P
Ordered mixing with lubricant and glidant in tableting mixtures. Bolhuis GK, et al. **J Pharm Pharmacol** 1981 Dec; 33(12):790
Relation between mixing time and segregation of ordered mixes. Staniforth JN, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):175–6
Theoretical considerations of the influence of polymer film coatings on the mechanical strength of tablets. Stanley P, et al. **J Pharm Pharmacol** 1981 Sep;33(9):557–60
Tray drying of pharmaceutical wet granulations. Carstensen JT, et al. **J Pharm Sci** 1982 Jan;71(1):35–9
Preparation of spherical matrixes of prolonged-release drugs from liquid suspension. Kawashima Y, et al. **J Pharm Sci** 1981 Aug;70(8):913–6
Ulcer cure sweetener for Searle [news] Newmark P. **Nature** 1982 Jun 3;297(5865):351–2
[Photoacoustic spectroscopy – a prospective method for evaluating drugs and their effects] Sladký P, et al. **Cesk Farm** 1981 Nov;30(9):310–8 (Cze)
[Technological methods for improving the solubility and increasing the dissolution rate of slightly soluble drugs (author's transl)] Krowczynski L. **Pharmazie** 1982 Jan; 37(1):79–83 (Ger)

[Biopharmaceutical aspects of pharmaceutical technology] Thoma K. **Pharmazie** 1981 Mar;36(3):185–93 **(Ger)**

[Influence of the technological procedure and additives on the dissolution rate and absorption of active ingredients. I. Physical properties of acetylsalicylic acid tablets and of the dissolution rate of the active ingredient] Selmeczi B, et al. **Acta Pharm Hung** 1981;51(5):222–7 (Eng. Abstr.) **(Hun)**

EDUCATION

A new approach to quality training. Betts WA Jr. **J Parenter Sci Technol** 1981 Sep–Oct;35(5):248–50

INSTRUMENTATION

Syringeability of nonaqueous parenteral formulations—development and evaluation of a testing apparatus. Chien YW, et al. **J Parenter Sci Technol** 1981 Nov–Dec;35(6):281–4

Practical implications of theoretical consideration of capsule filling by the dosator nozzle system. Jolliffe IG, et al. **J Pharm Pharmacol** 1982 May;34(5):293–8

The design and use of an instrumented mG2 capsule filling machine simulator. Jolliffe IG, et al. **J Pharm Pharmacol** 1982 Apr;34(4):230–5

Quantitative evaluation of pharmaceutical effervescent systems I: Design of testing apparatus. Anderson NR, et al. **J Pharm Sci** 1982 Jan;71(1):3–6

Particle size reduction by a hammer mill I: Effect of output screen size, feed particle size, and mill speed. Hajratwala BR. **J Pharm Sci** 1982 Feb;71(2):188–90

[Appraisal of the apparatus in current use for preparing of Chinese medicinal decoction and an improved design (author's transl)] Dong QF. **Chung Yao Tung Pao** 1982 Jan; 7(1):20–1 **(Chi)**

[Computer optimization of the dimensions of tablet cores for sugar-coated tablets] Agostini G, et al. **Boll Chim Farm** 1981 Jul;120(7):427–36 (Eng. Abstr.) **(Ita)**

[Selection of apparatus for separation of culture media] Vinogradova MG, et al. **Antibiotiki** 1982 Mar;27(3):163–5 **(Rus)**

MANPOWER

[The 'Pharmacant' – a new line of work] Algner S. **Fortschr Med** 1982 Feb 18;100(7):249–50 **(Ger)**

METHODS

[Measurement and quality control of dosage forms. XIX. Weibull's statistical distribution and its use in the study of mechanical strength of tablets] Záček H, et al. **Cesk Farm** 1981 Jun;30(5):150–5 (Eng. Abstr.) **(Cze)**

STANDARDS

[Control of microbial contamination in the air of rooms for sterile production. Proposals for sampling] Carazzone M, et al. **Boll Chim Farm** 1981 Jul;120(7):416–26 (Eng. Abstr.) **(Ita)**

TECHNOLOGY, RADIOLOGIC

Boundaries in the radiographic image. II. Principles for the representation of the object as boundary circuits in the image. Edholm P. **Acta Radiol [Diagn] (Stockh)** 1982; 23(2):161–75

Image distortion in rotational panoramic radiography: V. Object morphology; inner structures. Tronje G. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):59–62

Image distortion in rotational panoramic radiography. VI. Distortion effects in sliding systems. Tronje G, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):153–60

Single- vs. double-contrast gastrointestinal studies: critical analysis of reported statistics. Gelfand DW, et al. **AJR** 1981 Sep;137(3):523–8

Biochemical and physiologic phenomena: relevance to new forms of radiologic imaging and functional mapping. Greene R. **AJR** 1982 Jun;138(6):1218–9

The noes have it! Do they? Silvanus Thompson Memorial Lecture, February 18, 1981. Mallard J. **Br J Radiol** 1981 Oct;54(646):831–49

Imaging with infarct-avid agents. Schelbert HR, et al. **CRC Crit Rev Diagn Imaging** 1981;16(3):239–78 (145 ref.)

Reactions to glutaraldehyde with particular reference to radiologists and X-ray technicians. Fisher AA. **Cutis** 1981 Aug;28(2):113–22

Reduced radiation exposure in orthopaedic surgery. Experience with video disc recording in nailing of fractured hips. Pietilä K, et al. **Eur J Radiol** 1981 May;1(2):152–4

Observer Performance as a function of viewing distance. Kelsey CA, et al. **Invest Radiol** 1981 Sep–Oct;16(5):435–7

Evaluation of double contrast barium enemas performed by radiographic technologists. Somers S, et al. **J Can Assoc Radiol** 1981 Dec;32(4):227–8

The impact of technology on diagnostic radiology. Evans KT. **J Med Eng Technol** 1981 Mar;5(2):65–8

Measurement accuracy of proximal femoral geometry using biplanar radiography. Burr DB, et al. **J Pediatr Orthop** 1981;1(2):171–9

Evaluation of tissue–air ratios and tissue–maximum ratios with the photon energy–fluence absorption dose model. Ahuja SD, et al. **Med Phys** 1981 Mar–Apr;8(2):215–9

A survey of tissue substitutes and phantoms in 98 U.S. medical centers. Baird LC, et al. **Med Phys** 1982 May–Jun; 9(3):434–5

On the utility of a simple model for the calculation of k-edge filtered x-ray spectra. Barton J, et al. **Med Phys** 1982 May–Jun;9(3):425–8

Contrast effects of a gadolinium filter. Burgess AE. **Med Phys** 1981 Mar–Apr;8(2):203–9

Contrast–detail–dose and dose efficiency analysis of a scanning digital and a screen–film–grid radiographic system. Cohen G, et al. **Med Phys** 1981 May–Jun; 8(3):358–67

Application of the noise power spectrum to positron emission CT self–absorption correction. Riederer SJ. **Med Phys** 1981 Mar–Apr;8(2):220–4

Importance of magnification in star test pattern use. Van Swearingen FL, et al. **Med Phys** 1981 Mar–Apr;8(2):236–8

Experimental measurements of the scatter reduction obtained in mammography with a scanning multiple slit assembly. Yester MV, et al. **Med Phys** 1981 Mar–Apr;8(2):158–62

A comparison of intraoral and extraoral radiological technology. Aker F, et al. **Milit Med** 1981 Nov; 146(11):803–6

Interventional radiology polymer update: acrylic. Pevsner PH, et al. **Neurosurgery** 1982 Mar;10(3):314–6

Calculation of x-ray grid characteristics by Monte Carlo methods. Kalender WA. **Phys Med Biol** 1982 Mar; 27(3):353–61

A suggested theory of the conventional tomographic imaging process. Moore CJ, et al. **Phys Med Biol** 1981 Nov; 26(6):985–96

Fixer recycling combined with silver recovery. Turnbull T. **Radiography** 1981 May;47(557):115–8

Space – the unknown accessory. Maynard PR. **Radiol Technol** 1981 May–Jun;52(6):597–604

A regional study of sources of apathy toward membership in the American Society of Radiologic Technologists. Rasmussen R, et al. **Radiol Technol** 1980 Nov–Dec; 52(3):285–9

Code of ethics: professional and legal implications. Warner SL. **Radiol Technol** 1981 Mar–Apr;52(5):485–94

The effect of varying spatial resolution on the detectability of diffuse pulmonary nodules. Assessment with digitized conventional radiographs. Foley WD, et al. **Radiology** 1981 Oct;141(1):25–31

Radiology of the superior segment of the lower lobe: a regional perspective introducing the B6 bronchus sign. Friedman PJ. **Radiology** 1982 Jul;144(1):15–25

The meaning and use of the area under a receiver operating characteristic (ROC) curve. Hanley JA, et al. **Radiology** 1982 Apr;143(1):29–36

Bright-light illumination for the production of transparencies from overexposed radiographs. Raskin SP. **Radiology** 1981 Sep;140(3):834

Formulae for the determination of percentage depth dose of 8 and 16 megavolt x-rays by means of a computer. Strydom WJ. **S Afr Med J** 1982 Sep 18;62(13):437–40

High-resolution imaging with soft x-rays [news] Robinson AL. **Science** 1982 Jan 8;215(4529):150–2

[Technological developments and irradiation in radiodiagnosis] Dutreix J. **J Radiol** 1981 Nov;62(11):578–9 **(Fre)**

[An example of technical development. Determination of tension and filtration by measurements in a beam] Guille B, et al. **J Radiol** 1981 Nov;62(11):590–1 **(Fre)**

[Application of a pn junction to determining the quality of an x-ray beam produced by a continuous voltage generator (90 kV–200 kV)] Guille B, et al. **Phys Med Biol** 1982 Feb; 27(2):247–56 **(Fre)**

[Double contrasting of the bladder in dogs and cats] Gutbrod F. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15; 95(12):229–31 **(Ger)**

[New markings of central venous catheters, an improvement for localisation on x-ray pictures (author's transl)] Neumann H, et al. **Radiologe** 1981 Oct;21(10):493–5 (Eng. Abstr.) **(Ger)**

[Indirect measurements of the spectral distribution of x-rays (author's transl)] Enz S, et al. **ROFO** 1981 Aug; 135(2):230–3 **(Ger)**

[Radiological interpretation: the 'step-child' in radiology (author's transl)] Heilmann HP. **ROFO** 1981 Aug; 135(2):220–4 **(Ger)**

[Investigations on contrast values in mammography (author's transl)] Schüle E, et al. **ROFO** 1981 Aug;135(2):204–9 (Eng. Abstr.) **(Ger)**

[New method of double contrast examination of the esophagus (author's transl)] Szenes T, et al. **ROFO** 1981 Oct;135(4):441–5 (Eng. Abstr.) **(Ger)**

[The value of the x-ray spectrum with regard to x-ray filtration (author's transl)] Meiler J. **Rontgenblatter** 1982 Feb;35(2):66–9 (Eng. Abstr.) **(Ger)**

[Slot technic: improved picture quality with reduced radiation exposure] Grotemeyer P, et al. **Rontgenpraxis** 1982 May;35(5):186–9 **(Ger)**

[On the service life of tungsten wire cathodes in the ray generation system of a linear accelerator (author's transl)] Feser K, et al. **Strahlentherapie** 1981 Oct;157(10):667–9 (Eng. Abstr.) **(Ger)**

[Lipowitz metal as attenuating material for electron rays with an energy of 3 to 45 MeV (author's transl)] Roth J. **Strahlentherapie** 1982 Feb;158(2):94–6 (Eng. Abstr.) **(Ger)**

[The influence of different parameters for roentgenologic recognition of disseminated lung diseases (author's transl)] Rotte KH, et al. **Z Erkr Atmungsorgane** 1981;156(3):232–8 (Eng. Abstr.) **(Ger)**

[Practical radiological problems in the service to non-collaborating patients] Limido G. **Minerva Med** 1981 Sep 26;72(36):2443–6 (Eng. Abstr.) **(Ita)**

[Radiodiagnostic equipment, the patient and the radiologist] Stuart C. **Radiol Med (Torino)** 1981 Jul–Aug; 67(7–8):497–501 **(Ita)**

[Double contrast cystography using universal gyroscopic x-ray TV apparatus, and transurethral ultrasonography (author's transl)] Mikata N, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):308–15 (Eng. Abstr.) **(Jpn)**

[Thermal neutron radiography using a 252Cf isotopic neutron source (author's transl)] Wada N. **Radioisotopes** 1981 Mar; 30(3):177–85 **(Jpn)**

[A roentgenological study on the small intestinal lesions in 3 cases of amyloidosis —with special reference to the double contrast study of the upper small intestine (author's transl)] Ishigami N, et al. **Rinsho Hoshasen** 1981 Feb; 26(2):311–4 (Eng. Abstr.) **(Jpn)**

[Parietal shadow of the stomach (author's transl)] Nanaumi K, et al. **Rinsho Hoshasen** 1981 Apr;26(4):451–6 **(Jpn)**

[A radiological consideration on the contrast pharyngogram (author's transl)] Suzaki K, et al. **Rinsho Hoshasen** 1981 Jun;26(6):635–41 (Eng. Abstr.) **(Jpn)**

[Efficacy and quality control of radiological methods (author's transl)] Wójtowicz J. **Pol Przegl Radiol** 1981 Mar–Apr;45(2):115–8 (11 ref.) **(Pol)**

ECONOMICS

The cost of managing digital diagnostic images. Dwyer SJ 3d, et al. **Radiology** 1982 Jul;144(2):313–8

EDUCATION

Characteristics of effective teaching. Gardner JM. **Radiol Technol** 1981 May–Jun;52(6):607–9

Admission criteria for a college-based radiologic technology program: relationship of entry levels to subsequent performance in selected program courses. Kavanagh LK. **Radiol Technol** 1981 Sep–Oct;53(2):113–7

Medical ethics instruction—a method that works. Penning TG. **Radiol Technol** 1981 Mar–Apr;52(5):475–80

Arterial injection simulation: an aid to the study of angiography in special procedures. Serbus CL. **Radiol Technol** 1982 Jan–Feb;53(4):331–6

The use of microcomputers in radiologic technology training programs. Ubaldi S, et al. **Radiol Technol** 1981 Nov–Dec; 53(3):271–3

Faculty qualifications and student achievement in radiologic technology. Weinstein RD. **Radiol Technol** 1981 Mar–Apr; 52(5):521–8

Clinical evaluations—who needs them? Wesolowski WE. **Radiol Technol** 1981 Nov–Dec;53(3):221–5

[Current training of the neoplastic radiotherapist in the European Community and in Italy] Romanini A. **Radiol Med (Torino)** 1982 Apr;68(4):225–9 **(Ita)**

INSTRUMENTATION

Conversion of a fixed x-ray table for axial views. Mudd JG, et al. **Cathet Cardiovasc Diagn** 1981;7(3):319–20

Movements of the lumbar spine measured by three-dimensional X-ray analysis. Pearcy MJ, et al. **J Biomed Eng** 1982 Apr;4(2):107–12

Parallel and focused grids [letter] Harlow C. **Radiography** 1981 Jun;47(558):143

King's centre for the assessment of radiological equipment. Harris L. **Radiography** 1981 Dec;47(564):281–90

Barium feeder for babies. Hough S. **Radiography** 1981 Aug; 47(560):186

Distance-technique relationship to angulated projections. English RJ. **Radiol Technol** 1980 Nov–Dec;52(3):301–4

Flood replenishment: a new method of processor control. Frank ED, et al. **Radiol Technol** 1980 Nov–Dec;52(3):271–5

Pinhole cameras: artifacts modifications, and recording of pinhole images of screen-film systems. Gray JE, et al. **Radiol Technol** 1980 Nov–Dec;52(3):277–82

Development of a rigid fluorescent x-ray source for monoenergetic radiation studies in radiographic imaging. Doi K, et al. **Radiology** 1982 Jan;142(1):233–6

[Recent modifications to remotely controlled tables employed in radiological diagnosis (author's transl)] Laval-Jeantet M, et al. **J Radiol** 1982 Jan;63(1):55–60 (Eng. Abstr.) **(Fre)**

[Simultaneous functional testing of the metacarpophalangeal joints of the thumb in hyperpronation using a simple device] Heim U. **Handchirurgie** 1981;13(3–4):260–2 (Eng. Abstr.) **(Ger)**

[Quality assurance through constancy control for x-ray film processors (author's transl)] Weberling R. **Rontgenblatter** 1982 Jun;35(6):248–54 (Eng. Abstr.) **(Ger)**

[Description of an accelerator accessory part for easy checking of mechanical field parameters] Jensen JM. **Rontgenpraxis** 1982 Jan;35(1):27–8 **(Ger)**

[Tuebingen positioning device for defilé-X-rays of the patella (author's transl)] Bernau A. **Z Orthop** 1981 Feb;119(1):78–9 (Eng. Abstr.) **(Ger)**

[Curie therapy with 192 iridium on a moulded apparatus in the treatment of tumors of the hard palate] Pastore G, et al. **Minerva Med** 1981 Nov 3;72(43):2889–94 (Eng. Abstr.)

(Ita)

[Adaptation of Pentacon EAR 320 (GDR) automatic dark room for work with Polish materials (author's transl)] Szmurlo J, et al. **Pol Przegl Radiol** 1981 Sep-Oct; 45(5):295-7 **(Pol)**

[Dosimetric characteristics of the irradiating devices of the Agat-B2 apparatus] Elisiutin GP, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):62-5 **(Rus)**

[Use of Receiver Operating Characteristic Curves for evaluating radiodiagnostic apparatus] Chikirdin EG. **Med Tekh** 1981 Jul-Aug;(4):23-9 **(Rus)**

MANPOWER

[Morbidity of personnel in roentgen-diagnostic laboratories] Usol'tsev VI. **Gig Sanit** 1982 Jun;(6):86-7 **(Rus)**

STANDARDS

R. T. or not R. T.? that is the question. Lindstrom R. **Dimens Health Serv** 1981 Jul;58(7):22

A two-year reject/retake profile analysis in pediatric radiology. Chu WK, et al. **Health Phys** 1982 Jan;42(1):53-9

Radiation safety program--for diagnostic radiology departments. **Radiol Technol** 1980 Nov-Dec;52(3):321-7

Elbow fat pads: a radiography perspective. Griswold R. **Radiol Technol** 1982 Jan-Feb;53(4):303-8

President's page. Holland MH. **Radiol Technol** 1980 Nov-Dec;52(3):293-5

Perspectives on accreditation--one aspect of the credentialing process. Thorpe RL. **Radiol Technol** 1980 Nov-Dec;52(3):311-9

Educational and experiential effects on radiographers' radiation safety behavior. Tilson ER. **Radiol Technol** 1982 Jan-Feb;53(4):321-5

[Controlled results of standardized X-ray examination technique (author's transl)] Längle I, et al. **Rontgenblatter** 1981 Aug;34(8):294-7 (Eng. Abstr.) **(Ger)**

[Lung radiography and politics - do they belong together? Instrumentation, storage and film should be better] Szamosi A. **Lakartidningen** 1982 Mar 31;79(13):1231-3 **(Swe)**

TRENDS

Recent developments in imaging techniques. Moseley I. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1141-4

The future of diagnostic imaging. Part 2. Martin D. **Dimens Health Serv** 1981 Dec;58(12):9

Update on digital radiology. Martin D. **Dimens Health Serv** 1982 Apr;59(4):40

VETERINARY

Intraoral radiography of molar teeth in rats. Serota KS, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):507-9

TECTORIAL MEMBRANE see under **COCHLEA**

TECTUM MESENCEPHALI see **CORPORA QUADRIGEMINA**

TEENAGE PREGNANCY see **PREGNANCY IN ADOLESCENCE**

TEFLON see **POLYTETRAFLUOROETHYLENE**

TEGMENTUM MESENCEPHALI

ANATOMY & HISTOLOGY

The rubrospinal and central tegmental tracts in man. Nathan PW, et al. **Brain** 1982 Jun;105(Pt 2):223-69

The connections of the frog interpeduncular nucleus (ITP) demonstrated by horseradish peroxidase (HRP). Kemali M, et al. **Exp Brain Res** 1982;45(3):249-56

Dopamine neurones of the ventral tegmentum project to both medial and lateral habenula. Some implications for habenular function. Phillipson OT, et al. **Exp Brain Res** 1982;45(1-2):89-94

Afferent sources of a lateral midbrain tegmental zone associated with the pinnae in the cat as mapped by retrograde transport of horseradish peroxidase. Henkel CK. **J Comp Neurol** 1981 Dec 1;203(2):213-26

Cytoarchitecture, fiber connections, and ultrastructure of nucleus isthmi in a teleost (Navodon modestus) with a special reference to degenerating isthmic afferents from optic tectum and nucleus pretectalis. Ito H, et al. **J Comp Neurol** 1982 Mar 1;205(3):299-311

The origin of the spinomesencephalic tract in the rat: an anatomical study using the retrograde transport of horseradish peroxidase. Menétrey D, et al. **J Comp Neurol** 1982 Apr 1;206(2):193-207

Histochemical evidence for a catecholaminergic (presumably dopaminergic) projection from the ventral mesencephalic tegmentum to visual cortex in the cat. Törk I, et al. **Neurosci Lett** 1981 Jul 17;24(3):215-9

Studies on the efferent projections of the interpeduncular complex in cats. Hayakawa T, et al. **Okajimas Folia Anat Jpn** 1981 May;58(1):1-15

[Sources of ascending afferent projections to the central field of the tegmentum mesencephali and centrum medianum thalami in the cat] Sotnichenko TS. **Neirofiziologiia** 1982; 14(2):172-8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Reward produced by microinjection of (D-Ala2),Met5-enkephalinamide into the ventral tegmental area. Phillips AG, et al. **Behav Brain Res** 1982 Jun; 5(2):225-9

The behavioural effects of a novel substance P analogue following infusion into the ventral tegmental area or substantia nigra of rat brain. Eison AS, et al. **Brain Res** 1982 Apr 22;238(1):137-52

Increase in spontaneous motor activity following infusion of neurotensin into the ventral tegmental area. Kalivas PW, et al. **Brain Res** 1981 Dec 21;229(2):525-9

Dopaminergic agonistic and antagonistic drugs in the ventral tegmentum of rats inhibit and facilitate changes of food-search behaviour. Oades RD. **Neurosci Lett** 1981 Nov 18;27(1):75-80

Peptide-monoamine coexistence: studies of the actions of cholecystokinin-like peptide on the electrical activity of midbrain dopamine neurons. Skirboll LR, et al. **Neuroscience** 1981;6(11):2111-24

Effect of 6-hydroxydopamine-induced lesions of A10 dopaminergic neurons on aggressive behavior in rats. Puciłowski O, et al. **Pharmacol Biochem Behav** 1982 Apr; 16(4):547-51

METABOLISM

Neurochemical studies of the mesolimbic dopaminergic pathway: glycinergic mechanisms and glycinergic-dopaminergic interactions in the rat ventral tegmentum. Gundlach AL, et al. **J Neurochem** 1982 Feb; 38(2):574-81

[3H]Spiperone labels non-cyclase-linked dopamine receptors in the ventral tegmental area of rat brain. Gundlach AL, et al. **J Neurochem** 1982 Sep;39(3):890-4

PATHOLOGY

Lateral tegmental brainstem hemorrhages. Caplan LR, et al. **Neurology (NY)** 1982 Mar;32(3):252-60

PHYSIOLOGY

Locomotor hyperactivity and hypoexploration after lesion of the dopaminergic-A10 area in the ventral mesencephalic tegmentum (VMT) of rats. Gaffori O, et al. **Behav Brain Res** 1980 Aug;1(4):313-29

Interactions between D-ala-met-enkephalin, A10 dopaminergic neurones, and spontaneous behaviour in the rat. Kelley AE, et al. **Behav Brain Res** 1980 Feb;1(1):3-24

Inhibition from ventral tegmental area of nucleus accumbens neurons in the rat. Akaike A, et al. **Brain Res** 1981 Nov 23;225(1):189-94

Single cell activity in the noradrenergic A-5 region: responses to drugs and peripheral manipulations of blood pressure. Andrade R, et al. **Brain Res** 1982 Jun 17; 242(1):125-35

On the role of the dorsal mesencephalic tegmentum in the control of masculine sexual behavior in the rat: effects of electrolytic lesions, ibotenic acid and DSP 4. Hansen S, et al. **Brain Res** 1982 May 27;240(2):311-20

Reduction of dopamine utilization in the prefrontal cortex but not in the nucleus accumbens after selective destruction of noradrenergic fibers innervating the ventral tegmental area in the rat. Herve D, et al. **Brain Res** 1982 Apr 15; 237(2):510-6

The behavioural effects of enkephalin analogues injected into the ventral tegmental area and globus pallidus. Joyce EM, et al. **Brain Res** 1981 Sep 28;221(2):359-70

Tectal projections in teleosts: responses of some target nuclei to direct tectal stimulation. Williams B, et al. **Brain Res** 1982 Jun 17;242(1):3-9

Effects of ventral tegmental area stimulation and microiontophoretic application of dopamine and norepinephrine on hypothalamic neurons. Barone FC, et al. **Brain Res Bull** 1981 Aug;7(2):181-93

A comparison of the effects of electrical stimulation of the lateral and ventromedial hypothalamus on the activity of neurons in the ventral tegmental area and substantia nigra. Maeda H, et al. **Brain Res Bull** 1981 Sep;7(3):283-91

Effects of peripheral stimulation on the activity of neurons in the ventral tegmental area, substantia nigra and midbrain reticular formation of rats. Maeda H, et al. **Brain Res Bull** 1982 Jan;8(1):7-14

Type of memory or attention? Impairments after lesions of the hippocampus and limbic ventral tegmentum. Oades RD. **Brain Res Bull** 1981 Aug;7(2):221-6

Antagonism of experimentally induced tonic seizures following a lesion in the midbrain tegmentum. Browning RA, et al. **Epilepsia** 1981 Oct;22(5):595-601

Effect of midbrain and pontine tegmental lesions on the maximal electroshock seizure pattern in rats. Browning RA, et al. **Epilepsia** 1981 Oct;22(5):583-94

Mesencephalic areas controlling pulsatile oxytocin release in the suckled rat. Juss TS, et al. **J Endocrinol** 1981 Nov; 91(2):233-44

Associative response changes in lateral midbrain tegmentum and medial geniculate during differential appetitive conditioning. Birt D, et al. **J Neurophysiol** 1981 Nov; 46(5):1039-55

Mesencephalic dopaminergic unit activity in the behaviorally conditioned rat. Miller JD, et al. **Life Sci** 1981 Sep 21; 29(12):1255-63

The nucleus tegmenti pedunculopontinus and circling behaviour in the rat. Kilpatrick IC, et al. **Neurosci Lett** 1981 Oct;26(1):11-6

Evidence for the participation of nigrotectal gamma-aminobutyrate-containing neurones in striatal and nigral-derived circling in the rat. Kilpatrick IC, et al. **Neuroscience** 1982 Jan;7(1):207-22

Effects and interactions of naloxone and amphetamine on self-stimulation of the prefrontal cortex and dorsal tegmentum. Franklin KB, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):433-6

The role of interpeduncular connections with the tegmentum in avoidance learning. Wirtshafter D. **Physiol Behav** 1981 Jun;26(6):985-9

Dissociation between the display of lordosis and soliciting behaviors in female rats with lesions of the dorsomedial pontine tegmentum. Yamanouchi K, et al. **Physiol Behav** 1982 Jan;28(1):155-9

[Effect of neuroleptics on foot-pedal self stimulation from the ventral tegmentum mesencephali in rats and its correlation with cataleptogenic action] Talalaenko AN, et al. **Farmakol Toksikol** 1982 Mar-Apr;45(2):19-22 (Eng. Abstr.) **(Rus)**

[Multineuronal activity of the hypothalamus during self-stimulation] Mikhailova NG. **Zh Vyssh Nerv Deiat** 1982 Mar-Apr;32(2):360-2 **(Rus)**

TEICHOIC ACIDS

ANALYSIS

Lipoteichoic acid, a major amphiphile of Gram-positive bacteria that is not readily extractable. Huff E. **J Bacteriol** 1982 Jan;149(1):399-402

Choline-containing bacteriophage receptors in Streptococcus pneumoniae. Lopez R, et al. **J Bacteriol** 1982 Sep; 151(3):1581-90

Occurrence of ribitol-containing lipoteichoic acid in Staphylococcus aureus H and its glycosylation. Arakawa H, et al. **J Biochem (Tokyo)** 1981 May;89(5):1555-63

Development of a simple passive haemagglutination-inhibition assay for Listeria monocytogenes lipoteichoic acid. Antonissen AC, et al. **J Immunol Methods** 1981;44(3):351-7

Characterization of solubilized products from the cell wall of Streptococcus pneumoniae during autoplast formation. Ohno N, et al. **Microbiol Immunol** 1981;25(12):1229-42

[Structure of cell-wall teichoic acids in Streptomyces roseoflavus var. roseofungini and its Nocardia-like variant] Skoblilova NK, et al. **Mikrobiologiia** 1981 Nov-Dec; 50(6):1037-41 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Control of synthesis of wall teichoic acid in phosphate-starved cultures of Bacillus subtilis W23. Cheah SC, et al. **Eur J Biochem** 1981 Sep 1;118(3):497-500

The biosynthesis of wall teichoic acid by toluenised cells of Bacillus subtilis W23. Hancock IC. **Eur J Biochem** 1981 Sep;119(1):85-90

Production of lipoteichoic acid by lactobacilli and streptococci grown in different environments. Wicken AJ, et al. **Infect Immun** 1982 Jun;36(3):864-9

Synthesis of teichoic acid by Bacillus subtilis protoplasts. Bertram KC, et al. **J Bacteriol** 1981 Nov;148(2):406-12

Influence of phosphate supply on teichoic acid and teichuronic acid content of Bacillus subtilis cell walls. Lang WK, et al. **J Bacteriol** 1982 Jul;151(1):367-75

Control of synthesis of wall teichoic acid during balanced growth of Bacillus subtilis W23. Cheah SC, et al. **J Gen Microbiol** 1982 Mar;128(Pt 3):593-9

IMMUNOLOGY

Antibodies to staphylococcal lipoteichoic acid in serum and in cerebrospinal fluid from patients with multiple sclerosis. Aasjord P, et al. **Acta Pathol Microbiol Scand [C]** 1981 Oct;89(5):333-8

Serum antibody to staphylococcal teichoic acid and alpha-haemolysin in dermatological patients. Larinkari U. **Br J Dermatol** 1982 Jul;107(1):53-8

Polyclonal response of human lymphocytes to bacterial cell walls, peptidoglycans and teichoic acids. Räsänen L, et al. **Immunology** 1982 Jul;46(3):481-6

Teichoic acid antibodies in osteomyelitis and septic arthritis caused by Staphylococcus aureus. Tuazon CU. **J Bone Joint Surg [Am]** 1982 Jun;64(5):762-5

Naturally occurring human serum precipitins specific for D-alanyl esters of glycerol teichoic acid. Levine M. **Mol Immunol** 1982 Jan;19(1):133-42

Assay of teichoic acid antibodies and antistaphylolysin in the diagnosis of Staphylococcal osteomyelitis. Larinkari U. **Scand J Infect Dis** 1982;14(2):123-6

[Anti-teichoic-acid antibodies is staphylococcal infections] Gómez Garcés JL, et al. **Rev Clin Esp** 1982 Feb 15; 164(3):169-72 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

[Isolation of lipoteichoic acid from hemolytic Streptococcus group A type 29] Kudrina ES, et al. **Biol Nauki** 1982; (4):93-7 **(Rus)**

METABOLISM

Blood-group-reactive glycoprotein from human saliva interacts with lipoteichoic acid on the surface of Streptococcus sanguis cells. Hogg SD, et al. **Arch Oral Biol** 1982;27(3):261–8

Teichoic acid and lipid metabolism during sporulation of Bacillus megaterium KM. Johnstone K, et al. **Biochem J** 1982 Feb 15;202(2):459–67

Effects of penicillin on synthesis and excretion of lipid and lipoteichoic acid from Streptococcus mutans BHT. Brissette JL, et al. **J Bacteriol** 1982 Aug;151(2):838–44

Formation of molecular complexes between a structurally defined M protein and acylated or deacylated lipoteichoic acid of Streptococcus pyogenes. Ofek I, et al. **J Bacteriol** 1982 Feb;149(2):426–33

Identification of cell wall subunits in bacillus subtilis and analysis of their segregation during growth. Schlaeppi JM, et al. **J Bacteriol** 1982 Jan;149(1):329–37

Influence of alanine ester and glycosyl substitution on the lipoteichoic acid carrier activity of lipoteichoic acids. Koch HU, et al. **J Biol Chem** 1982 Aug 25;257(16):9473–9

PHARMACODYNAMICS

Modulation of murine lymphocyte mitogen responses by glycerol-teichoic acid. Bolton RW. **Immunol Commun** 1981;10(7):631–40

Cell walls, peptidoglycans, and teichoic acids of Gram-positive bacteria as polyclonal inducers and immunomodulators of proliferative and lymphokine responses of human B and T lymphocytes. Räsänen L, et al. **Infect Immun** 1982 Feb;35(2):523–7

[Effect of regulators on bacterial autolysis] Kislukhina OV, et al. **Mikrobiologiia** 1982 Jan–Feb;51(1):85–9 (Eng. Abstr.) **(Rus)**

[Biological properties of bacterial teichoic acids] Dmitrieva NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):12–8 (53 ref.) **(Rus)**

PHYSIOLOGY

The adherence of group A streptococci to oropharyngeal cells: the lipoteichoic acid adhesin and fibronectin receptor. Beachey EH, et al. **Infection** 1982;10(2):107–11

TOXICITY

Cytotoxicity of the glycolipid region of streptococcal lipoteichoic acid for cultures of human heart cells. Simpson WA, et al. **J Lab Clin Med** 1982 Jan;99(1):118–26

TELANGIECTASIA, HEREDITARY HEMORRHAGIC

COMPLICATIONS

Hemorrhage associated with telangiectases. Wescott WB, et al. **J Am Dent Assoc** 1982 Jan;104(1):60–3

Case report. Liver involvement in hereditary hemorrhagic telangiectasia. Henderson JM, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):773–6

Staged bilateral thoracotomies for multiple pulmonary arteriovenous malformations complicating hereditary hemorrhagic telangiectasia. Brown SE, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):285–9

[Rare sources of duodenal hemorrhage: von Willebrand's disease, hereditary hemorrhagic telangiectasia, brunneroma and leiomyoma (author's transl)] Giger M, et al. **Praxis** 1982 Mar 2;71(9):360–4 (Eng. Abstr.) **(Ger)**

[Clinical manifestations and pathogenesis of neurological complications in Osler-Rendu disease] Glonti TI, et al. **Klin Med (Mosk)** 1981 Sep;59(9):52–4 **(Rus)**

DIAGNOSIS

Hereditary hemorrhagic telangiectasis (Rendu-Osler-Weber disease). McMahon TT, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1127–30

Recurrent epistaxis and 'growths' on lips and nose. Kouskoukis CE, et al. **Hosp Pract** 1982 Jul;17(7):40–1

Middle-aged patient with multiple pulmonary nodules. Marx WJ. **IMJ** 1981 Oct;160(4):247–8

Endoscopic diagnosis of hereditary hemorrhagic telangiectasia. Mayer IE, et al. **J Clin Gastroenterol** 1981 Dec;3(4):361–5

[Rendu-Osler-Weber disease with exclusive gastrointestinal localization. Description of a case diagnosed solely with endoscopy] Negri E, et al. **Minerva Dietol Gastroenterol** 1982 Apr–Jun;28(2):163–6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Use of estrogen in treatment of familial hemorrhagic telangiectasia. Harrison DF. **Laryngoscope** 1982 Mar;92(3):314–20

FAMILIAL & GENETIC

Hemorrhagic telangiectasia. Ananthasubramaniam G, et al. **J Assoc Physicians India** 1981 May;29(5):425–7

PATHOLOGY

Asymptomatic primary biliary cirrhosis associated with Raynaud's phenomenon, sclerodactyly and teleangiectasia. Diederichsen H, et al. **Dan Med Bull** 1981 Oct;28(5):212–5

Hereditary hemorrhagic telangiectasia: report of case and clinical considerations. Hattler AB, et al. **J Am Dent Assoc** 1981 Sep;103(3):421–2

Oral manifestations of hereditary hemorrhagic telangiectasia (Osler-Weber-Rendu disease). Review and case reports. Bartolucci EG, et al. **J Periodontol** 1982 Mar;53(3):163–7

[Rendu-Osler familial hemorrhagic telangiectasia with retinal localization] Lepori JC, et al. **Bull Soc Ophtalmol Fr** 1981 Aug-Sep;81(8–9):641–4 (Eng. Abstr.) **(Fre)**

[Changes in the retina accompanying the Osler syndrome (author's transl)] Blodi FC, et al. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):251–3 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Characteristics of myocardial function in Osler-Rendu disease (according to echocardiography and ECG data)] Livandovskiĭ IuA, et al. **Ter Arkh** 1981;53(5):78–80 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Angiographic aspects and possibilities of therapeutic angiography in the digestive localizations of Rendu-Osler disease (author's transl)] Pillon B, et al. **Ann Radiol (Paris)** 1981 Nov;24(7):551–60 (58 ref.) (Eng. Abstr.) **(Fre)**

RADIOTHERAPY

Gastric radiotherapy as treatment of hereditary hemorrhagic telangiectasia. Schwartz JT, et al. **Am J Gastroenterol** 1982 Jan;77(1):53–4

SURGERY

Successful endoscopic electrocoagulation of gastric lesions of hereditary hemorrhagic telangiectasia responsible for repeated hemorrhage. Weaver GA, et al. **Gastrointest Endosc** 1981 Aug;27(3):181–3

THERAPY

Hepatic telangiectasia in Osler's disease treated with arterial embolization. Report of 2 cases. Göthlin JH, et al. **Eur J Radiol** 1982 Feb;2(1):27–30

[Therapeutic embolisation of large pulmonary arteriovenous fistulas--an alternative to operation (author's transl)] Günther R, et al. **Dtsch Med Wochenschr** 1981 Dec 11;106(50):1707–10 (Eng. Abstr.) **(Ger)**

TELANGIECTASIS

CHEMICALLY INDUCED

Facial erythema and telangiectasia with synalar cream. Tirlapur VG, et al. **Br J Clin Pract** 1981 Jul–Aug;35(7–8):275–6

COMPLICATIONS

Unilateral nevoid telangiectasia and chronic liver disease. Report of a case and review of the literature. Capron JP, et al. **Am J Gastroenterol** 1981 Jul;76(1):47–51

Tractional venous loops in diabetic retinopathy. Hersh PS, et al. **Am J Ophthalmol** 1981 Nov;92(5):661–71

[Vascular ectasia of the right colon in over 60-year-old patients - rare cause of rectal bleeding] Griesenbeck K, et al. **Zentralbl Chir** 1982;107(2):114–9 **(Ger)**

CONGENITAL

[Cutis marmorata telangiectatica congenita] Cremer H. **Hautarzt** 1982 Jan;33(1):40–1 **(Ger)**

[Cutis marmorata telangiectatica congenita (author's transl)] Pérez Alvarez F, et al. **An Esp Pediatr** 1981 Nov;15(5):488–91 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Idiopathic juxtafoveolar retinal telangiectasis. Gass JD, et al. **Arch Ophthalmol** 1982 May;100(5):769–80

Atypical angioma serpiginosum: a case report. Michalowski R, et al. **Dermatologica** 1982 May;164(5):331–7

Naevus spongiosus albus. Krumova E, et al. **Folia Med (Plovdiv)** 1981;23(1):66–8

Retinal telangiectasis of the macula: a review and differential diagnosis. Horn G, et al. **Int Ophthalmol Clin** 1981 Fall;21(3):139–55 (19 ref.)

Macular retinal capillary telangiectasis with noncystoid retinal edema. Burge S. **J Am Optom Assoc** 1981 Dec;52(12):959–61

DRUG THERAPY

The sclerotherapy of telangiectasia. Ouvry PA, et al. **Phlebologie** 1982 Jan-Mar;35(1):349–59 **(Eng, Fre)**

ETIOLOGY

Telangiectasia and optic atrophy in cone-rod degenerations. Heckenlively JR, et al. **Arch Ophthalmol** 1981 Nov;99(11):1983–91

Gastric telangiectasias in chronic hemodialysis patients: a report of six cases. Cunningham JT. **Gastroenterology** 1981 Dec;81(6):1131–3

[Circumscribed reticular telangiectatic erythema following implantation of a heart pacemaker] Gensch EG, et al. **Hautarzt** 1981 Dec;32(12):651–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Cerebral capillary telangiectasis in an infant. Coincidental Association with hypsarrhythmia. Crosley CJ, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):79–80

Telangiectatic osteogenic sarcoma: a clinicopathologic study of 124 patients. Huvos AG, et al. **Cancer** 1982 Apr 15;49(8):1679–89

Giant cerebral capillary telangiectasis in an infant. Pozzati E, et al. **Childs Brain** 1982;9(2):114–20

Angiodysplasias of the colon. Pounder DJ, et al. **J Clin Pathol** 1982 Aug;35(8):824–9

Intramedullary telangiectasia causing congenital cervical spinal atrophy [letter] Narbona J, et al. **Muscle Nerve** 1982 Mar;5(3):256

[Unilateral nevoid telangiectatic syndrome] Raff M, et al. **Hautarzt** 1982 Mar;33(3):148–51 (Eng. Abstr.) **(Ger)**

[Bleeding vascular lesions (TAP) of the duodenum (author's transl)] Fehr HF. **Praxis** 1982 Mar 2;71(9).351–4 (Eng. Abstr.) **(Ger)**

[Diffuse telangiectasias of the gastric antrum with and without cirrhosis of the liver as a cause of chronic gastrointestinal bleeding (author's transl)] Schläpfer HU, et al. **Praxis** 1982 Mar 2;71(9):355–9 (Eng. Abstr.) **(Ger)**

VETERINARY

Ischemia: a cause of hepatic telangiectasis in cattle. Jensen R, et al. **Am J Vet Res** 1982 Aug;43(8):1436–9

TELECOMMUNICATIONS

The transmission and interpretation of emergency department radiographs. James JJ, et al. **Ann Emerg Med** 1982 Aug;11(8):404–8

Magnitude and distribution of trunk stresses in telecommunications engineers. Nicholson AS, et al. **Br J Ind Med** 1981 Nov;38(4):364–71

The delivery of continuing education: teleconferencing, an alternative mode. Berk RA. **Bull Med Libr Assoc** 1982 Jan;70(1):21–7

Attitudes of health care providers toward slow-scan video. Higgins CA, et al. **Can Med Assoc J** 1982 Aug 1;127(3):225

Telemedicine in critical care: problems in design, implementation, and assessment. Grundy BL, et al. **Crit Care Med** 1982 Jul;10(7):471–5

Telemedicine: the next-best thing to being there. Furtado R. **Dimens Health Serv** 1982 Mar;59(3):10–2

GA hospitals hook up to 'party line' for educational updates. **Hospitals** 1981 Nov 16;55(22):72, 76, 78

Nursing continuing education: California to Texas via teleconference. Graham LE, et al. **JNE** 1982 Feb;21(2):45–7

An experiment in medical communication. Brown JH. **Tex Med** 1982 May;78(5):45–6

INSTRUMENTATION

Computer-aided emergency telecommunications for the deaf. Compton MV, et al. **Ann Emerg Med** 1982 Jun;11(6):324–6

Telehealth and computers: novel approaches to the knowledge explosion. Martin DL. **Dimens Health Serv** 1981 Aug;58(8):43

A battery-powered digital modem for telephone transmission of ECG data. Thakor NV, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):355–9

TELEMETRY

Twenty-four hour esophageal pH monitoring by telemetry. Cost-effective use in outpatients. Falor WH, et al. **Am J Surg** 1981 Oct;142(4):514–6

Heart rate- and ECG-recording in the rat by biotelemetry. Schlatter J, et al. **Arch Toxicol [Suppl]** 1982;5:179–83

Implantable telemetry systems. **Biotelem Patient Monit** 1981;8(3):121–88

Radiotelemetry of direct blood pressure measurements in the arterial and pulmonary circulation. Bachmann K, et al. **Biotelem Patient Monit** 1981;8(1–2):15–27

An accurate, long-term, pH-sensitive radio pill for ingestion and implantation. Colson RH, et al. **Biotelem Patient Monit** 1981;8(4):213–27

Blood pressure [editorial] Kimmich HP. **Biotelem Patient Monit** 1981;8(1–2):5–6

Comparison of radiotelemetry of blood pressure and standard exercise tests. Zerzawy R, et al. **Biotelem Patient Monit** 1981;8(1–2):90–9

Telemetry of ECG waveforms via the GPO telephone system. Grant LJ. **Br J Hosp Med** 1981 May;25(5):510–2

An assessment of radiotelemetry in the monitoring of labour. Calvert JP, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):285–91

Telemetered EEG in schizophrenia: spectral analysis during abnormal behaviour episodes. Stevens JR, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):385–95

[Telemetric transmission of fetal cardiac rhythm in monitoring high risk pregnancies (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):797–806 (Eng. Abstr.) **(Fre)**

[Esophageal pH telemetry. A new method for monitoring the pH of the esophagus] Romeo G, et al.

Minerva Chir 1982 Feb 28;37(4):333–8 **(Ita)**

[Automatic sphygmomanometric tests of military pilots in flight] Ramacci CA, et al. **Riv Med Aeronaut Spaz** 1980 Jul–Dec;43(3–4):230–8 (Eng. Abstr.) **(Ita)**

[Value of ECG–ratio–telemetry in cardiac patients (author's transl)] Iwamoto M, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):474–8 **(Jpn)**

[[Applications of biotelemetry for ecology (author's transl)] Kadono H. **Iyodenshi To Seitai Kogaku** 1980 Dec; 18(7):485–91 (47 ref.) **(Jpn)**

[Blood pressure telemetry] Shinohara T. **Nippon Rinsho** 1981; 39(7):2478–82 **(Jpn)**

INSTRUMENTATION

Application of the Cardiotrak pacemaker monitor to prehospital care. Bandy R, et al. **Ann Emerg Med** 1981 Nov;10(11):579–81

Tracking of the Florida manatee (Trichechus manatus). Michelson RC. **Biomed Sci Instrum** 1981;17:115–20

Intracranial pressure telemetry system. II. Animal testing. Bettice JA, et al. **Biotelem Patient Monit** 1981;8(3):151–62

An inexpensive but durable–foot–switch for telemetered locomotion studies. Blanc Y, et al. **Biotelem Patient Monit** 1981;8(4):240–5

Telemetry of cardiac left ventricular pressure in conscious dogs. Gerold M, et al. **Biotelem Patient Monit** 1981; 8(1–2):28–32

Intracranial pressure telemetry system. I. Hardware development. Ko WH, et al. **Biotelem Patient Monit** 1981; 8(3):131–50

Continuous tape–recording of ambulatory blood pressure. Technical considerations. Millar–Craig MW, et al. **Biotelem Patient Monit** 1981;8(1–2):56–66

A microminiature hybrid multichannel implantable biotelemetry system. Pauley JD, et al. **Biotelem Patient Monit** 1981;8(3):163–72

An ultrasonic salinity telemetry transmitter for use on fish in estuaries. Priede IG. **Biotelem Patient Monit** 1982; 9(1):1–9

Fully automatic portable recording of indirect blood pressures in subjects awake and asleep, at home and at work. Schneider RA. **Biotelem Patient Monit** 1981; 8(1–2):81–9

An implantable micropower command receiver for telemetry battery power switching. Sweeney JD, et al. **Biotelem Patient Monit** 1981;8(3):173–9

A transcutaneous implanted battery recharging and biotelemeter power switching system. Jeutter DC. **IEEE Trans Biomed Eng** 1982 May;29(5):314–21

Fetal monitoring in labor by radiotelemetry. Romem Y, et al. **Isr J Med Sci** 1981 Nov;17(11):1079–82

Three–channel telemetry system for monitoring e.c.g. cardiac output, rate of respiration and basal transthoracic admittance. Bukhari AR, et al. **Med Biol Eng Comput** 1981 Jul;19(4):426–32

Batteryless on–demand–sampling active radiosonde for intracranial pressure measurement. Macellari V. **Med Biol Eng Comput** 1981 Nov;19(6):686–94

Telemetry of several biological signals from behaving animals. Fontani G. **Pflugers Arch** 1981 Oct;391(4):343–4

Telemetered monitoring in exercise therapy programs. Metcalf JA, et al. **Va Med** 1982 Feb;109(2):130–1

[The performance of ECG telemetry in the analysis of rhythm disorders] Lange R, et al. **Z Gesamte Inn Med** 1982 May 15;37(10):299–303 (Eng. Abstr.) **(Ger)**

[Development and trial of a monitoring vehicle for data collection in work physiology field studies] Ballé W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jun;32(6):214–8 (Eng. Abstr.) **(Ger)**

[Some aspects of new biometry systems (author's transl)] Ikeda K. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):479–84 **(Jpn)**

[Biotelemetry system (author's transl)] Suzuki R. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):526–32 (19 ref.) **(Jpn)**

[Biotelemetry for obstetrics and gynecology. (A) Transmission of fetal informations via telephone line (author's transl)] Tsumuji Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):515–8 **(Jpn)**

[Implantable telemetry (author's transl)] Uchiyama A. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):468–73 **(Jpn)**

[Potential use of recording systems with a low upper frequency limit value in the telemetric transmission of EMGs] Weber H, et al. **Gig Tr Prof Zabol** 1981;(12):42–3 **(Rus)**

[Experience in developing and using telemetric computer systems in cardiology] Chepaĭtis ZhV, et al. **Kardiologiia** 1981 Sep;21(9):112–5 (Eng. Abstr.) **(Rus)**

METHODS

Chronic intracranial pressure monitoring by telemetry: clinical experience. Nulsen FE, et al. **Ann Biomed Eng** 1980; 8(4–6):505–13

Ambulatory monitoring of arterial blood pressure. Comparison between blood pressure measurements obtained with the Remler M 2000 portable recorder and by radiotelemetry under laboratory conditions and during everyday activities. Bachmann K, et al. **Biotelem Patient Monit** 1981;8(1–2):47–55

Radiotelemetry of direct blood pressure. Zerzawy R, et al. **Biotelem Patient Monit** 1981;8(1–2):7–14

Biomedical telemetry techniques. Jeutter DC. **Crit Rev Biomed Eng** 1982 Feb;7(2):121–74 (175 ref.)

Use of radiotelemetry to obtain expressive language samples. Fields TA, et al. **J Commun Disord** 1982 Jan;15(1):1–19

The monitoring of labor by telemetry. Haukkamaa M, et al. **J Perinat Med** 1982;10(1):17–22

Telemetric urodynamic investigations in female incontinence. Thüroff JW, et al. **Prog Clin Biol Res** 1981;78:211–22

[Clinical evaluation of EEG telemetry and videomonitoring in 212 patients with epilepsy] Overweg J, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1600–4 (Eng. Abstr.) **(Dut)**

[Biotelemetric system for measuring, transmitting, registering and data processing of heart rate in freely moving working individuals] Holm E, et al. **Z Gesamte Hyg** 1981 Sep; 27(9):661–5 (Eng. Abstr.) **(Ger)**

[Telephone telemetry for cardiac patients (author's transl)] Hattori J. **Iyodenshi To Seitai Kogaku** 1980 Dec; 18(7):505–14 (18 ref.) **(Jpn)**

[Biotelemetry for obstetrics and gynecology. (B) Biotelemetry of fetal signals (author's transl)] Hogaki M, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):519–25 (55 ref.) **(Jpn)**

[Biotelemetry (author's transl)] Matsumoto G. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):463–7 (34 ref.) **(Jpn)**

[Telemetry of respiratory parameters (author's transl)] Satomura Y. **Iyodenshi To Seitai Kogaku** 1980 Dec; 18(7):499–504 (18 ref.) **(Jpn)**

[Optical biotelemetry (author's transl)] Shimizu K. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):492–8 (52 ref.) **(Jpn)**

[Method of telemetric recording of the dynamics of blood pressure and respiration in freely swimming dolphins] Dargol'ts VG, et al. **Fiziol Zh SSSR** 1981 Nov; 67(11):1743–8 **(Rus)**

[Tele–electrocardiography in myocardial infarct] Virs EA, et al. **Klin Med (Mosk)** 1981 Jun;59(6):48–50 **(Rus)**

TRENDS

Survey of Implantable telemetry. Fryer TB. **Biotelem Patient Monit** 1981;8(3):125–30

VETERINARY

Fetal heart rate monitoring using repeater telemetry methods. Weeks RW, et al. **Biomed Sci Instrum** 1981;17:125–8

TELENCEPHALON

ABNORMALITIES

A review and case report of aprosencephaly and the XK aprosencephaly syndrome [letter] Martin RA, et al. **Am J Med Genet** 1982 Mar;11(3):369–71

[Long term survival of holoprosencephaly with shunting procedure (author's transl)] Kitahara M, et al. **No Shinkei Geka** 1982 Jan;10(1):91–6 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Cerebral gangliosides in dogs in experimental allergic encephalomyelitis] Kiroi RI, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):49–52 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Plasticity of cortico–thalamic projections and functional recovery in the unilateral detelencephalized infant rat. Neumann S, et al. **Behav Brain Res** 1982 Apr;4(4):377–88

On the organization of the retino–tecto–thalamo–telencephalic pathways in a Chilean rodent; the Octodon degus. Kuljis RO, et al. **Brain Res** 1982 Feb 25;234(2):189–204

Forebrain projections to the periaqueductal gray in the monkey, with observations in the cat and rat. Mantyh PW. **J Comp Neurol** 1982 Apr 1;206(2):146–58

Hypothalamic, other diencephalic, and telencephalic neurons that project to the dorsal midbrain. Morrell JI, et al. **J Comp Neurol** 1981 Oct 1;201(4):589–620

The island of Calleja complex of rat basal forebrain. I. Light and electron microscopic observations. Ribak CE, et al. **J Comp Neurol** 1982 Mar 1;205(3):207–18

The telencephalon of Ichthyophis paucisulcus (Amphibia, Gymnophiona (= Caecilia)). A quantitative cytoarchitectonic study. Zilles K, et al. **Z Mikrosk Anat Forsch** 1981;95(6):943–62

CYTOLOGY

Telencephalic efferents in channel catfish, Ictalurus punctatus: projections to the olfactory bulb and optic tectum. Bass AH. **Brain Behav Evol** 1981;19(1–2):1–16

Prospective forebrain–midbrain from axolotl neurulae can be reprogrammed to differentiate as Mauthner cell–containing medulla. Model PG. **Brain Res** 1982 Jan;255(1):109–21

Centrifugal innervation of the retina by luteinizing hormone releasing hormone (LHRH)–immunoreactive telencephalic neurons in teleostean fishes. Münz H, et al. **Cell Tissue Res** 1982;222(2):313–23

Dendritic spine loss and enlargement during maturation of the speech control system in the mynah bird (Gracula religiosa). Rausch G, et al. **Neurosci Lett** 1982 Apr 16; 29(2):129–33

[Autoradiographic investigations on postnatal proliferative activity of the telencephalic and diencephalic matrix–zones in the axolotl (Ambystoma mexicanum), with special references to the olfactory organ (author's transl)] Richter W, et al. **Z Mikrosk Anat Forsch** 1981;95(6):883–904 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Nerve growth factor (NGF) stimulation of cholinergic telencephalic neurons in aggregating cell cultures. Honegger P, et al. **Brain Res** 1982 Feb;255(2):229–38

ENZYMOLOGY

Species variation of alkaline phosphatase distribution in the telencephalon and diencephalon of hedgehog, mouse and bat. Sood PP, et al. **Acta Neurol (Napoli)** 1981 Jun; 36(3):505–11

Distribution and morphological characteristics of acetylcholinesterase–containing neurons in the basal forebrain of the cat. Parent A, et al. **Brain Res Bull** 1982 Feb;8(2):183–96

[Histochemical study of the cholinesterases of various formations of the vertebrate endbrain] Chernyshevskaia IA. **Zh Evol Biokhim Fiziol** 1981 Nov–Dec;17(6):595–601 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Growth patterns in the lateral wall of the mouse telencephalon. II. Histological changes during and subsequent to the period of isocortical neuron production. Smart IH, et al. **J Anat** 1982 May;134 (Pt 3):415–42

Growth patterns in the lateral wall of the mouse telencephalon: I. Autoradiographic studies of the histogenesis of the isocortex and adjacent areas. Smart IH, et al. **J Anat** 1982 Mar;134 (Pt 2):273–98

The induction of 'stress' proteins in organ slices from brain, heart, and lung as a function of postnatal development. White FP. **J Neurosci** 1981 Nov;1(11):1312–9

METABOLISM

The polyadenylated RNA directing the synthesis of the rat myelin basic proteins is present in both free and membrane–bound forebrain polyribosomes. Hall C, et al. **Biochem J** 1982 Feb 15;202(2):407–17

Ontogeny of opiate receptors in rat forebrain: visualization by in vitro autoradiography. Kent JL, et al. **Brain Res** 1981 Nov;254(4):487–504

Lipid inclusions in the telencephalic neuroglia of the developing rat. Ferrer I, et al. **J Hirnforsch** 1981; 22(3):307–12

Coexistence of somatostatin– and avian pancreatic polypeptide (APP)–like immunoreactivity in some forebrain neurons. Vincent SR, et al. **Neuroscience** 1982 Feb;7(2):439–46

Influence of prenatal hypoxia on the DNA, RNA and protein content of the telencephalon of newborn and young rats. Lun A, et al. **Physiol Bohemoslov** 1982;31(1):87–90

PHYSIOLOGY

Removal of the telencephalon spares turning induced by injection of GABA agonists and antagonists into the substantia nigra. Papadopoulos G, et al. **Behav Brain Res** 1980 Feb;1(1):25–38

Behavioral effects of kainic acid injection into substantia nigra after ablation of the telencephalon. Papadopoulos G, et al. **Behav Brain Res** 1980 Aug;1(4):331–7

Auditory responses in the zebra finch's motor system for song. Katz LC, et al. **Brain Res** 1981 Sep 21;221(1):192–7

Telencephalic afferents in the goldfish: an anterograde degeneration study. Oka Y, et al. **Brain Res Bull** 1981 Oct; 7(4):391–4

Lateral hypothalamic self–stimulation in the guinea pig after commissurectomy and unilateral removal of the telencephalon. Mueller CC, et al. **Exp Neurol** 1981 Nov; 74(2):458–69

Synaptic efficacy and EPSP summation in granule cells of rat fascia dentata studied in vitro. McNaughton BL, et al. **J Neurophysiol** 1981 Nov;46(5):952–66

Collateralization of monoamine neurons: mesotelencephalic dopamine projections to caudate, septum, and frontal cortex. Fallon JH. **J Neurosci** 1981 Dec;1(12):1361–8

Infant rat hyperactivity elicited by home cage bedding is unaffected by neonatal telencephalic dopamine or norepinephrine depletion. Pappas BA, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):151–4

Effects of forebrain lesions on spawning behaviour in the male goldfish. Kyle AL, et al. **Physiol Behav** 1982 Jun; 28(6):1103–9

[Influence of visual telencephalon (wulst) on directional selective neurons of pigeon's optic tectum (author's transl)] Leresche N, et al. **C R Seances Acad Sci [III]** 1982 May 3;294(16):833–6 (Eng. Abstr.) **(Fre)**

[Multiunit activity from various levels of the olfactory pathways in unrestrained rats : Correlated responses from the olfactory bulb and basal telencephalic areas. (author's transl)] Pager J. **J Physiol (Paris)** 1981 Sep;77(6–7):727–39 (Eng. Abstr.) **(Fre)**

[Responses of associative cortex neurons to stimulation of

subcortical white matter] Koreniuk II, et al. **Fiziol Zh** 1982 Mar-Apr;28(2):139-44 (Eng. Abstr.) **(Rus)**
[Interaction of brain structures regulating the vocal and respiratory systems] Vasilevskiĭ NN, et al. **Fiziol Zh SSSR** 1981 May;67(5):725-31 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Telencephalic theory of generalized epilepsy: observations in split-brain patients. Harbaugh RE, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):725-32

ULTRASTRUCTURE

A scanning and transmission electron microscopic study of the embryonic mouse telencephalon. Sturrock RR. **J Anat** 1982 Jan;134(Pt 1):25-40

TELEOLOGICAL ETHICS see **ETHICS**

TELEPHONE

Telephone management of drug-related problems in a family practice clinic. Erickson SH, et al. **Am J Hosp Pharm** 1982 Jan;39(1):101-4
Past asbestos exposure among cable splicers. Fischbein A, et al. **Am J Public Health** 1981 Nov;71(11):1277-8
Poison center operations: the necessity of follow-up. Litovitz TL, et al. **Ann Emerg Med** 1982 Jul;11(7):348-52
Telemetry of ECG waveforms via the GPO telephone system. Grant LJ. **Br J Hosp Med** 1981 May;25(5):510-2
Electrocardiogram recording by telephone in antiarrhythmic drug trials. Pritchett EL, et al. **Chest** 1982 Apr;81(4):473-6
Ear asymmetry in telephone-listening behavior. Surwillo WW. **Cortex** 1981 Dec;17(4):625-32
Interconnect telephone systems--a communications option. Henderson C, et al. **Dimens Health Serv** 1982 Mar; 59(3):14-5
Expanding uses of the telephone in family therapy. Coppersmith EI. **Fam Process** 1980 Dec;19(4):411-7
Phone therapy outreach for blind elderly. Evans RL, et al. **Gerontologist** 1982 Feb;22(1):32-5
Preappointment reminder calls to decrease no-show rates [letter] Peterson JW. **Hosp Community Psychiatry** 1982 Apr;33(4):311
Talking with computers: synthesis and recognition of speech by machines. Flanagan JL. **IEEE Trans Biomed Eng** 1982 Apr;29(4):223-32
Telephone management training [letter] Smith SR. **J Fam Pract** 1982 Jan;14(1):22-4
Let your fingers do walking to get radiologist's report [news] Merz B. **JAMA** 1982 Aug 27;248(8):919
Influencing telephone responses to a cancer information system via televised public service announcements. Fiocca HA, et al. **Prog Clin Biol Res** 1982;83:361-72
Differences between black and white responses to cancer information service promotion mechanisms. Parker DF, et al. **Prog Clin Biol Res** 1982;83:429-36
Quality assessment of the cancer information service: evolution of a test call system. Stein JA, et al. **Prog Clin Biol Res** 1982;83:469-83
Preparation is more than a laxative. Hunter WK. **Radiol Technol** 1981 Mar-Apr;52(5):513-5
Profile of callers to the VD National Hotline. Knox SR, et al. **Sex Transm Dis** 1981 Oct-Dec;8(4):245-54
A telephone history taking and poisoning care process. Ford PS. **Vet Hum Toxicol** 1981 Dec;23(6):428-32
[Biotelemetry for obstetrics and gynecology. (A) Transmission of fetal informations via telephone line (author's transl)] Tsumuji Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Dec;18(7):515-8 **(Jpn)**
[Telephone measurements of impulse frequency in monitoring patients wtih implanted pacemakers] Opolski G, et al. **Kardiol Pol** 1982;25(2):89-94 (Eng. Abstr.) **(Pol)**

ECONOMICS

Hospital cuts costs with telephone system. Gonos D, et al. **Hospitals** 1981 Oct 1;55(19):33-4

HISTORY

Tracking by telephone: locating the bullet in President Garfield, 1881. Roth N. **Med Instrum** 1981 May-Jun; 15(3):190

INSTRUMENTATION

A feasibility trial of a bureau-based telephone service for the deaf. Grossfield K, et al. **Br J Audiol** 1982 Feb; 16(1):27-38
Tel-Med in Delaware: a progress report. Dill WG, et al. **Del Med J** 1981 Sep;53(9):465-6
Use of telephone amplifying devices by the hearing-impaired. Pichora-Fuller MK. **J Otolaryngol** 1981 Jun;10(3):210-8

METHODS

The all-important versatile telephone. Schlossberg A. **Dent Clin North Am** 1981 Oct;25(4):725-30
Teleconferencing for continuing medical education. Anderson CW, et al. **SD J Med** 1982 Mar;35(3):31-2
[Telephone telemetry for cardiac patients (author's transl)] Hattori J. **Iyodenshi To Seitai Kogaku** 1980 Dec; 18(7):505-14 (18 ref.) **(Jpn)**

UTILIZATION

Use of the telephone in paediatric general practice. Vance JC, et al. **Aust Fam Physician** 1981 Oct;10(10):798-805
The telephone--a viable medium for health education. Nicklin WM. **Dimens Health Serv** 1981 Aug;58(8):9-11
After-hours calls: a five-year longitudinal study in a family practice group. Bergman JJ, et al. **J Fam Pract** 1982 Jul; 15(1):101-6
Patient care telephone calls received in family practice offices. Brown JM, et al. **J Fam Pract** 1982 Mar; 14(3):527-32
Group therapy by phone: a cognitive behavioral program for visually impaired elderly. Evans RL, et al. **Soc Work Health Care** 1981 Winter;7(2):79-90

TELERADIOISOTOPE THERAPY see **RADIOISOTOPE TELETHERAPY**

TELESCOPIC PROSTHESIS see **DENTURE, OVERLAY**

TELEVISION

Dynamic ultrasound scans: a visual system for identification. Holm HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(6):677-9
Captioned television and hearing-impaired viewers: the report of a national survey. Blatt J, et al. **Am Ann Deaf** 1981 Dec;126(9):1017-23
Television captioning strategies: a systematic research and development approach. Braverman B. **Am Ann Deaf** 1981 Dec;126(9):1031-6
Closed-captioned television: educational and sociological implications for hearing-impaired learners. Caldwell DC. **Am Ann Deaf** 1981 Sep;126(6):627-30
Closed-caption television viewing preferences. Fitzgerald M, et al. **Am Ann Deaf** 1981 Aug;126(5):536-9
Television program + script = high motivation in vocabulary and English. Hendricks P, et al. **Am Ann Deaf** 1981 Sep;126(6):755-9
What, when, and why deaf children watch television. Liss MB, et al. **Am Ann Deaf** 1981 Aug;126(5):493-8
Nurses on prime-time television. Kalisch PA, et al. **Am J Nurs** 1982 Feb;82(2):264-70
Parent-child interaction, television violence, and aggression of children. Eron LD. **Am Psychol** 1982 Feb;37(2):197-211
Stripe therapy for amblyopia with a modified television game. Fricker SJ, et al. **Arch Ophthalmol** 1981 Sep;99(9):1596-9
Mental health on commercial television [letter] Blackwood M. **Aust NZ J Psychiatry** 1981 Dec;15(4):363-4
Radiofrequency electromagnetic fields in Swedish radio stations and tall FM/TV towers. Mild KH. **Bioelectromagnetics** 1981;2(1):61-9
Television-induced formed visual hallucinations and cerebral diplopia. Safran AB, et al. **Br J Ophthalmol** 1981 Oct; 65(10):707-11
Consulting patterns after a television programme on sexually transmitted diseases. Adler MW. **Br J Vener Dis** 1982 Aug; 58(4):259-62
A new year gift from the BBC to all smokers [editorial] **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1631
Dark Warrior epilepsy. Daneshmend TK, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1751-2
The role of television. Sabbagh K. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):111-3
Are video display terminals safe? [editorial] Létourneau EG. **Can Med Assoc J** 1981 Sep 15;125(6):533-4
Saving time with slow-scan. Leach-Porter C, et al. **Dimens Health Serv** 1982 Mar;59(3):18-9
Health care takes on Telidon. MacDonald W. **Dimens Health Serv** 1982 Mar;59(3):20, 22
Channeling health: a review of the evaluation of televised health campaigns. Lau R, et al. **Health Educ Q** 1980 Spring; 7(1):56-89
Hospital nursing school turns to television ads to increase enrollment. **Hospitals** 1982 Mar 16;56(6):60
Hospital produces television series for Spanish-speaking viewers. **Hospitals** 1982 Apr 16;56(8):36
The TV medical show: that's entertainment, but is that harmless? Coombe JD. **Hospitals** 1982 Aug 1;56(15):71-5
Cable TV can enhance hospital marketing, community relations. Swantek S. **Hospitals** 1981 Nov 16;55(22):47, 49
The use of LEYTAS in analytical and quantitative cytology. van Driel-Kulker AM, et al. **IEEE Trans Biomed Eng** 1982 Feb;29(2):92-100
Television in health promotion: evaluation of a national programme in Finland. Puska P, et al. **Int J Health Educ** 1981;24(4):238-50
A comparative study of children's television programmes: American and Japanese. Ebata K. **Int J Soc Psychiatry** 1981 Winter;27(4):301-6
Visual evoked cortical potentials (V.E.C.P.) by television presentation of different patterned stimuli to patients with multiple sclerosis. Gambi D, et al. **Ital J Neurol Sci** 1980 Mar;1(2):101-6
Soup-to-nuts: a television approach to nutrition education. Duyff RL, et al. **J Am Diet Assoc** 1982 Feb;80(2):157-9
Digestive tract endoscopy: teaching with live television coverage. Jolly B, et al. **J Audiov Media Med** 1982 Jan; 5(1):4-8
A television method for measuring infrared and ultraviolet reflectances of pigmented lesions. Marshall RJ. **J Audiov Media Med** 1982 Apr;5(2):51-5
Graphics and animation for medical television. Waller A. **J Audiov Media Med** 1982 Apr;5(2):63-8
Calibration and performance of a 3-dimensional television system for kinematic analysis. Whittle MW. **J Biomech** 1982;15(3):185-96
Repeatability studies of a television/computer system for measuring spinal and pelvic movements. Thurston AJ. **J Biomed Eng** 1982 Apr;4(2):129-32
Adolescents' fright reactions to television and films. Cantor J, et al. **J Commun** 1982 Winter;32(1):87-99
Video system for glass refractive index measurement. Wingad PJ. **J Forensic Sci Soc** 1981 Oct;21(4):363-4
Broadcasting science and medical news: the responsibilities and obligations. Crawford C. **J Med Educ** 1982 Jan; 57(1):9-14
Development and evaluation of a computer-automated color TV tracking system for automatic recording of the social and exploratory behavior of small animals. Crawley JN, et al. **J Neurosci Methods** 1982 Mar;5(3):235-47
Systematic use of closed-circuit television in a general practice teaching unit. Irwin WG, et al. **J R Coll Gen Pract** 1981 Sep;31(230):557-60
Closed-circuit television movement detector. Atkinson HF, et al. **Med Biol Eng Comput** 1981 Nov;19(6):789-91
Television epilepsy. Beran RG. **Med J Aust** 1981 Dec 12-26; 2(12-13):679
Health and medicine on TV [letter] **N Engl J Med** 1982 Jan 28;306(4):243-4
Alternatives in patient education: using the commercial media [letter] Houston TP. **N Engl J Med** 1982 Apr 22;306(16):998
Trauma, television, movies, and misinformation [editorial] Mosberg WH Jr. **Neurosurgery** 1981 Jun;8(6):756-8
Boob tube time [letter] Weissbluth M. **Pediatrics** 1982 Jun; 69(6):826-7
The use of television in teaching. Hull FM. **Practitioner** 1982 Feb;226(1364):185-6
Health education about breast cancer using television and doctor involvement. Hill D, et al. **Prev Med** 1982 Jan; 11(1):43-55
Influencing telephone responses to a cancer information system via televised public service announcements. Fiocca HA, et al. **Prog Clin Biol Res** 1982;83:361-72
Radiographs on television. Penney JC, et al. **Radiography** 1981 Nov;47(563):273-5
A device for obtaining slides of a cathode ray tube display using a standard 35 millimetre camera. Smith CB. **Radiography** 1981 Nov;47(563):276-8
The effect of a television digital noise reduction device on fluoroscopic image quality and dose rate. Jaffe CC, et al. **Radiology** 1982 Sep;144(4):789-92
TV report affirms violence-aggression link [news] Holden C. **Science** 1982 Jun 18;216(4552):1299
A new synchronous video urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1982 Mar;136(3):349-50
[Preliminary experience in clinical application of X-ray stereoscopic television (author's transl)] **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):1-3 **(Chi)**
[Processing and display of pattern information in medical engineering (author's transl)] Feng WY. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):493-5 **(Chi)**
[Extraction of non-magnetic intraocular foreign bodies under TV (author's transl)] Pang RQ. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):81-2 **(Chi)**
[A microscope-television device for studying microcirculation (author's transl)] Zhang SL, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Sep; 1(1):93-5 (Eng. Abstr.) **(Chi)**
[Capabilities and limitations of TV fluorescein angiography of the retina (author's transl)] Körber N, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):100-2 (Eng. Abstr.) **(Ger)**
[Investigations on the conditions of scanning on cell images by means of a microscope-TV-system (author's transl)] Harms H, et al. **Microsc Acta** 1981 Sep;85(1):69-82 (Eng. Abstr.) **(Ger)**
[Medical aspects of work at the video screen as observed in a large chemical manufacturing organization (author's transl)] Urbatus W. **Praxis** 1982 Jan 26;71(4):149-51 (Eng. Abstr.) **(Ger)**
[Television recording and demonstration of open surgical procedures with a new system (author's transl)] Mauermayer W, et al. **Urologe [Ausg A]** 1981 Mar; 20(2):102-4 (Eng. Abstr.) **(Ger)**
[Endoscopy by color television--a new technique? (author's transl)] Heinkel K, et al. **Z Gastroenterol** 1981 Dec; 19(12):747-55 (Eng. Abstr.) **(Ger)**
[Determination of selenium, cadmium, zinc, cobalt, copper and silver by atomic absorption spectrophotometry in aerosols from the work environments in the color TV electronics industry] Carelli G, et al. **Ann Ist Super Sanita** 1981;17(3):505-10 **(Ita)**
[Intraocular or intraorbital non-magnetic metallic foreign bodies extracted by direct visualization on a TV screen and amplification of the radiological image] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Apr-Jun;25(2):125-30 **(Rum)**
[Motion picture-television setup for microcirculation studies and morphometry in vivo] Levkovich Iul, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1890-5 **(Rus)**
[Use of television microscopy to record microvessel response

and changes in their diameter] Nazarov GF, et al. **Patol Fiziol Eksp Ter** 1981 May-Jun;(3):58-9 **(Rus)**

[Experience in the practical use of radiotelevision pyeloureteroscopy with spot radiography and videotape recording] Builov VM. **Vestn Rentgenol Radiol** 1982; (2):44-9 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

A re-examination of mandibular movement using a closed circuit television detector. Atkinson HF, et al. **Aust Dent J** 1981 Dec;26(6):390-4

Distribution of video signals on existing cablevision lines. Bawden E. **J Biol Photogr** 1982 Jan;50(1):7-8

Color television in gastrointestinal endoscopy. Nelson RS. **South Med J** 1981 Oct;74(10):1284-5

[Use of the Elektronika L1-08 videotape recorder and Krym-217 television set in x-ray studies] Builov VM, et al. **Vestn Rentgenol Radiol** 1981 Sep-Oct;(5):72-3 **(Rus)**

METHODS

Television and video in the medical school: facilities, scope and management of a small production unit. Marshall RJ, et al. **J Audiov Media Med** 1981 Jul;4(3):80-5

UTILIZATION

Television: year of decision on national network. Richards G. **Hospitals** 1982 Jun 1;56(11):73, 75-6, 79 passim

A survey of the use of televised consultations by teachers of general practice. Taylor R. **J Audiov Media Med** 1981 Apr;4(2):52-4

Daytime television viewing by hospitalized children. Guttentag DN, et al. **Pediatrics** 1981 Nov;68(5):672-6

TELLURIUM

Evaluation of a miniature CdTe detector for monitoring left ventricular function. Harrison KS, et al. **Eur J Nucl Med** 1982;7(5):204-6

Effects of chain length and tellurium position on the myocardial uptake of Te-123m fatty acids. Knapp FF Jr, et al. **J Nucl Med** 1981 Nov;22(11):988-93

ANALYSIS

[Determination of the diethyl tellurium vapors in the air of a work area] Makeeva EP, et al. **Gig Tr Prof Zabol** 1982 May;(5):54-5 **(Rus)**

CHEMICAL SYNTHESIS

Potential pancreatic imaging agents. Tellurium-123m labeled DL-alpha-amino-gamma-(phenyltelluro)butyric acid. Knapp FF Jr, et al. **J Med Chem** 1981 Jul;24(7):794-7

DIAGNOSTIC USE

Tellurium-123m-labeled-9-telluraheptadecanoic acid: a possible cardiac imaging agent. Okada RD, et al. **Circulation** 1982 Feb;65(2):305-10

Potential pancreatic imaging agents. Tellurium-123m labeled DL-alpha-amino-gamma-(phenyltelluro)butyric acid. Knapp FF Jr, et al. **J Med Chem** 1981 Jul;24(7):794-7

Myocardial imaging with 9-[Te-123m]telluraheptadecanoic acid. Elmaleh DR, et al. **J Nucl Med** 1981 Nov;22(11):994-9

METABOLISM

Reduction of potassium tellurite and ATP content in Mycobacterium leprae. David HL, et al. **Ann Microbiol (Paris)** 1982 Jul-Aug;133(1):129-39

PHARMACODYNAMICS

Haemolysis of normal and glutathione-deficient sheep erythrocytes by selenite and tellurite. Young JD, et al. **Biochem Pharmacol** 1981 Sep 15;30(18):2527-30

POISONING

Experimental study on segmental demyelination in tellurium neuropathy. Takahashi T. **Hokkaido Igaku Zasshi** 1981 Mar;56(2):105-31

TOXICITY

[Toxicological characteristics of diethyltelluride] Kozik IV, et al. **Gig Tr Prof Zabol** 1981 Oct;(10):51-3 **(Rus)**

TELOPHASE

Anaphase and telophase labeling patterns following administration of 3H-thymidine as an indicator of cell cycle time in vivo. Läng H, et al. **Virchows Arch [Cell Pathol]** 1981;36(2-3):123-31

DRUG EFFECTS

Abnormal cell division in cultured human fibroblasts after exposure to diethylstilboestrol. Danford N, et al. **Mutat Res** 1982 Mar;103(3-6):379-83

TEMAZEPAM see under **BENZODIAZEPINE TRANQUILIZERS**

TEMPERAMENT see under **PERSONALITY**

TEMPERANCE

The perils of abstention? [editorial] Kreitman N. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):444-5

The perils of abstention? [letter] Sims A. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1116

TEMPERATURE

see related
BODY TEMPERATURE
THERMOMETERS

Temperature effects on the properties of the Hodgkin-Huxley propagated action potential model determined by computed solutions and phase-plane analysis. Portela A, et al. **Acta Physiol Lat Am** 1978; 28(6):271-307

Phase plane determination of the mechanical properties of the myocardium. Vassallo DV, et al. **Acta Physiol Lat Am** 1979;29(2-3):137-49

Influence of temperature on isometric contractions of rabbit atria during inotropic interventions. Vassallo DV, et al. **Acta Physiol Lat Am** 1979:29(2-3):131-5

Effect of spray and evaporative cooling on certain galactopoietic responses in buffaloes (Bubalus bubalis). Sharma AK, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(4):10-9

A relation between seasonal temperature and the birth rate of schizophrenic patients. Hare E, et al. **Acta Psychiatr Scand** 1981 Apr;63(4):396-405

Studies on porcine adrenocortical function. II. Effects of the ambient temperature and restricted feeding on the peripheral cortisol level. Rafai P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):443-54

Temperature related absorption and excretion of sulphadimidine in rainbow trout, Salmo gairdneri. Borgan A, et al. **Acta Vet Scand** 1981;22(2):211-7

Temperature profiles of hyperactive children. Lambert NM. **Am J Orthopsychiatry** 1982 Jul;52(3):458-67

Effect of temperature, nutrients, calcium, and cAMP on motility of human spermatozoa. Gorus FK, et al. **Am J Physiol** 1982 May;242(5):C304-11

Follow-up of abstinent and nonabstinent alcoholics. Gottheil E, et al. **Am J Psychiatry** 1982 May;139(5):560-5

Influence of increased temperature on Anaplasma marginale Theiler in the gut of Dermacentor andersoni stiles. Kocan KM, et al. **Am J Vet Res** 1982 Jan;43(1):32-5

Modification of a vibrating-tube density meter for precise temperature scanning. Anthony FH, et al. **Anal Biochem** 1981 Sep 1;116(1):161-7

A microcell for the temperature-jump technique. Riesner D, et al. **Anal Biochem** 1982 Mar 15;121(1):186-9

A simple stopped-flow temperature-jump apparatus. Verkman AS, et al. **Anal Biochem** 1981 Oct;117(1):164-9

Temperature effect on the susceptibility of methicillin-resistant Staphylococcus aureus to four different cephalosporins. Canawati HN, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):173-5

Some aspects of the liking for hot coffee and coffee flavor. Cines BM, et al. **Appetite** 1982 Mar;3(1):23-34

Desaturation and elongation of unsaturated fatty acids in hepatocytes from thermally acclimated rainbow trout. Sellner PA, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):58-66

Trimethyltin toxicity to larval Uca pugilator: effects of temperature and salinity. Wright DA, et al. **Arch Environ Contam Toxicol** 1982;11(4):491-5

Peroneal nerve conduction velocity: the importance of temperature correction. Halar EM, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):439-43

Thermal response of paraplegic skin to the application of localized pressure. Mahanty SD, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):608-11

Effect of incubation temperature on human red cell survival. Lee MY, et al. **Artif Organs** 1982 Feb;6(1):50-3

The effect of incubation temperature on the propagation of duck adenovirus (virus 127-like) in duck and chicken cells. Gulka CM, et al. **Avian Dis** 1982 Apr-Jun;26(2):354-9

Effects of polychlorinated biphenyls and environmental temperature on in vitro formation of benzo[a]pyrene metabolites by liver of trout (Salmo gairdneri). Egaas E, et al. **Biochem Pharmacol** 1982 Feb 15;31(4):561-6

Temperature-sensitive binding of solid phase C1q to aggregated human immunoglobulin G. Gibbons JJ Jr, et al. **Biochim Biophys Acta** 1981 Sep 29;670(2):146-9

The effect of temperature and transmembrane potentials on the rates of electron transfer between membrane-bound biological redox components. Kuznetsov AM, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):50-7

Studies on thermal adaptation in Tetrahymena membrane lipids. Modification of positional distribution of phospholipid acyl chains in plasma membranes, mitochondria and microsomes. Maruyama H, et al. **Biochim Biophys Acta** 1982 May 13;711(2):229-44

Temperature-induced transitions of porcine intestinal brush border membranes. Ohyashiki T, et al. **Biochim Biophys Acta** 1982 May 21;688(1):16-22

A computer model of temperature distribution inside a lossy sphere after microwave radiation. Janna WS, et al. **Bioelectromagnetics** 1980;1(3):337-43

Variation in thermal stability of human plasma dopamine--beta--hydroxylase. Baron M, et al. **Biol Psychiatry** 1982 May;17(5):621-6

Influence of temperature on amino acid transport by round spermatids from rat testis. Hall PF, et al. **Biol Reprod** 1981 Aug;25(1):110-4

Temperature dependence of electron transfer between bacteriopheophytin and ubiquinone in protonated and deuterated reaction centers of Rhodopseudomonas sphaeroides. Schenck CC, et al. **Biophys J** 1981 Dec; 36(3):479-89

Effect of moderate cooling on adrenergic neuroeffector interaction in canine cutaneous veins. Janssens WJ, et al. **Blood Vessels** 1981;18(6):281-95

The influence of temperature on the relaxation properties of rat papillary muscle. Bottinelli R, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):177-83

Temperature dependence of muscle function in malignant hyperpyrexia-susceptible swine. Sullivan JS, et al. **Br J Anaesth** 1981 Nov;53(11):1217-22

Temperature distribution in tissues subjected to local hyperthermia by RF induction heating. Hand JW, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):31-5

Temperature distributions in tissues during local hyperthermia by stationary or steered beams of unfocused or focused ultrasound. Lele PP, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):108-21

Influence of environmental temperature and humidity on bronchial responses during assessment of selectivity of beta-adrenoceptor antagonists in man. Taylor EA, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):201-9

Human ocular aging and ambient temperature. Weale RA. **Br J Ophthalmol** 1981 Dec;65(12):869-70

Effect of ambient temperature and humidity on plasma cortisol in sheep. Guerrini VH, et al. **Br Vet J** 1982 Mar-Apr;138(2):175-82

Effects of temperature and chelating agents on cadmium uptake in the American oyster. Hung YW. **Bull Environ Contam Toxicol** 1982 May;28(5):546-51

Temperature effects on hydraziine toxicity to bluegills. Hunt TP, et al. **Bull Environ Contam Toxicol** 1981 Nov; 27(5):588-95

Effects of adrenaline and noradrenaline on the heat production of warm- and cold-acclimated sheep. Graham AD, et al. **Can J Physiol Pharmacol** 1981 Sep;59(9):985-93

Effects of environmental temperature on haemopoietic stem cells in the tails of mice. Littleton RJ, et al. **Cell Tissue Kinet** 1981 Sep;14(5):557-68

Capillarisation, oxygen diffusion distances and mitochondrial content of carp muscles following acclimation to summer and winter temperatures. Johnston IA. **Cell Tissue Res** 1982;222(2):325-37

Left ventricular energetics. Heat loss and temperature distribution of canine myocardium. ten Velden GH, et al. **Circ Res** 1982 Jan;50(1):63-73

Stability of theophylline in serum, plasma, and saliva stored at different temperatures [letter] Jonkman JH, et al. **Clin Chem** 1981 Dec;27(12):2071-2

Adaptative features of ectothermic enzymes--I. Temperature effects on the malate dehydrogenase from a temperate fish Leiostomus xanthurus. Schwantes ML, et al. **Comp Biochem Physiol [B]** 1982;72(1):49-58

Organ temperature measurement in a microwave oven by resonance frequency shift. Cooper D, et al. **Cryobiology** 1981 Aug;18(4):378-85

Regulatory effects of temperature and hemolymph on inhibition and enhancement of attachment and filopodia function of phagocytic granular cells of the silkworm, Bombyx mori. Wago H. **Dev Comp Immunol** 1982 Spring; 6(2):231-41

The contribution of ambient temperature to suckling behavior in rats 3-20 days of age. Cramer CP, et al. **Dev Psychobiol** 1982 Jul;15(4):339-48

The influence of recruitment order and temperature on muscle contraction with special reference to motor unit fatigue. Petrofsky JS. **Eur J Applied Physiol** 1981; 47(1):17-25

Effect of carbamination on the buffering power of purified human hemoglobin A solutions at two temperatures. Castaing M, et al. **Eur J Biochem** 1982 Jan;121(3):573-8

Influence of temperature and relative humidity of inhaled gas on exercise-induced asthma. Bundgaard A, et al. **Eur J Respir Dis** 1982 May;63(3):239-44

Cadmium: temperature-dependent increase with age in Drosophila. Massie HR, et al. **Exp Gerontol** 1981; 16(4):337-41

Temperature dependence of the deformability of carp (Cyprinus carpio) red blood cells. Kikuchi Y, et al. **Experientia** 1982 Jul 15;38(7):822-4

Temperature acclimation of $Mg2+Ca2+$-myofibrillar ATPase from a cold-selective teleost, Salvelinus fontinalis: a compromise solution. Walesby NJ, et al. **Experientia** 1981 Jul 15;37(7):716-8

Temperature-induced conformational changes in spin-labelled myoglobins: myoglobin of Aplysia brasiliana. Tabak M, et al. **FEBS Lett** 1982 Apr 19;140(2):241-4

Ionic and metabolic bases of neuronal thermosensitivity. Carpenter DO. **Fed Proc** 1981 Dec;40(14):2808-13 (28 ref.)

Temperature effects on neuronal elements. Joyner RW. **Fed Proc** 1981 Dec;40(14):2814-8

1-anilinonaphthalene-8-sulphonate as a fluorescent probe for temperature-induced changes in Escherichia coli membranes. Slavík J, et al. **Folia Microbiol (Praha)** 1981; 26(3):176-8

Further characterization of a thermosensitive transformation variant of mouse fibroblasts. Liaw WS, et al. **Gan** 1980 Dec;71(6):775–83

An analytical study of the neurosecretory cells of the brain of the mature larvae and diapause pupae of Amsacta collaris Hampson (Lepidoptera: Arctiidae) under different temperature regimes. Awasthi VB, et al. **Gegenbaurs Morphol Jahrb** 1982;128(1):100–6

Effects of temperature on plasma thyroxine and iodide kinetics in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):295–307

Genetic and developmental analysis of a temperature-sensitive minute mutation of Drosophila melanogaster. Sinclair DA, et al. **Genetics** 1981 Mar–Apr; 97(3–4):581–606

A ts T mutant of Schmidt Ruppin strain of Rous sarcoma virus restricted at 39.5 degrees C for the morphological transformation and the tumorigenicity of chicken embryo fibroblasts. Poirier F, et al. **Int J Cancer** 1982 Jan 15; 29(1):69–76

Childhood respiratory illness and the home environment. II. Association between respiratory illness and nitrogen dioxide, temperature and relative humidity. Melia RJ, et al. **Int J Epidemiol** 1982 Jun;11(2):164–9

Childhood respiratory illness and the home environment. I. Relations between nitrogen dioxide, temperature and relative humidity. Melia RJ, et al. **Int J Epidemiol** 1982 Jun;11(2):155–63

Effects of d-amphetamine on colonic and skin temperatures of rats kept at various ambient temperatures. Yehuda S, et al. **Int J Neurosci** 1981;14(3–4):219–22

Effect of plasma proteins and temperature on echogenicity of blood. Sigel B, et al. **Invest Radiol** 1982 Jan–Feb; 17(1):29–33

Plasma angiotensin II changes with noise exposure at three levels of ambient temperature. Wright JW, et al. **J Acoust Soc Am** 1981 Nov;70(5):1353–6

Effects of storage time and temperature on quantitative culture of canine urine. Padilla J, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1077–81

Effects of amikacin sulfate on the motility of stallion and bull spermatozoa at different temperatures and intervals of storage. Arriola J, et al. **J Anim Sci** 1982 Jun; 54(6):1105–10

Effect of water temperature on rumen temperature, digestion and rumen fermentation in sheep. Brod DL, et al. **J Anim Sci** 1982 Jan;54(1):179–82

Influence of thawing time and post-thaw temperature on acrosomal maintenance and motility of bovine spermatozoa frozen in .5-ml French straws. Brown JL, et al. **J Anim Sci** 1982 May;54(5):938–44

Effect of heat increment and level of dietary energy and environmental temperature on the performance of growing-finishing swine. Coffey MT, et al. **J Anim Sci** 1982 Jan;54(1):95–105

The effects of floor temperature, supplemental heat and drying at birth on neonatal swine. McGinnis RM, et al. **J Anim Sci** 1981 Dec;53(6):1424–32

Finger temperature after a finger-cooling test: influence of air temperature and smoking. Cleophas TJ, et al. **J Appl Physiol** 1982 May;52(5):1167–71

Effects of temperature on the duration of arousal episodes during hibernation. French AR. **J Appl Physiol** 1982 Jan; 52(1):216–20

Adaptive changes in cats after long-term exposure to various temperatures. Hensel H, et al. **J Appl Physiol** 1982 Apr; 52(4):1008–12

Temperature and surface forces in excised rabbit lungs. Inoue H, et al. **J Appl Physiol** 1981 Oct;51(4):823–9

Influence of hematocrit and temperature on solubility of acetylene and dimethyl ether. Jibelian G, et al. **J Appl Physiol** 1981 Nov;51(5):1357–61

Central and peripheral inputs in sweating regulation during thermal transients. Libert JP, et al. **J Appl Physiol** 1982 May;52(5):1147–52

Surfactant aggregation in rat lungs: influence of temperature and ventilation. Massaro D, et al. **J Appl Physiol** 1981 Sep; 51(3):646–53

Effects of temperature on mechanical properties of composite dental restorative materials. Draughn RA. **J Biomed Mater Res** 1981 Jul;15(4):489–95

Setting temperatures of plaster casts. The influence of technical variables. Lavalette R, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):907–11

Room temperature storage of Legionella cultures. Hébert GA. **J Clin Microbiol** 1980 Dec;12(6):807–9

Correlation of thermal shock resistance with thermal compatibility dat for porcelain-metal systems. Anusavice KJ, et al. **J Dent Res** 1982 Feb;61(2):419–22

Measurement of softening temperatures in dental bake-on porcelains. Bertolotti RL, et al. **J Dent Res** 1982 Mar; 61(3):480–3

Effect of temperature on the larvae of Strongyloides stercoralis. Atia MM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):141–4

Effects of temperature on the endogenous activity and synaptic interactions of the salivary burster neurones in the terrestrial slug Limax maximus. Prior DJ, et al. **J Exp Biol** 1982 Jun;98:415–28

Thermal acclimation in a crustacean neuromuscular system. Stephens PJ, et al. **J Exp Biol** 1982 Jun;98:39–47

Temperature-sensitive periods of sex determination in Emydid turtles. Bull JJ, et al. **J Exp Zool** 1981 Dec; 218(3):435–40

Kinetics of the sodium pump in red cells of different temperature sensitivity. Ellory JC, et al. **J Gen Physiol** 1982 Jun;79(6):1115–30

Evidence for a population of sleepy sodium channels in squid axon at low temperature. Matteson DR, et al. **J Gen Physiol** 1982 May;79(5):739–58

Prediction of maximal oxygen intake over a wide range of air temperature conditions. Sato M, et al. **J Hum Ergol (Tokyo)** 1980 Sep;9(1):81–9

Effect of temperature on the radioiodination of human growth hormone. Mohammed-Ali SA, et al. **J Immunoassay** 1981;2(3–4):175–86

Glycoprotein changes in fresh vs. room temperature-stored platelets and their buoyant density cohorts. Bolin RB, et al. **J Lab Clin Med** 1981 Oct;98(4):500–10

The effect of temperature on tolerance to ischemia in experimental free flaps. Cooley BC, et al. **J Microsurg** 1981 Fall;3(1):11–4

Brain temperature after death. McKeown SR, et al. **J Neurosci Methods** 1980 Feb;2(1):103–6

Brain temperature after death. Spokes EG. **J Neurosci Methods** 1980 Feb;2(1):105–6

Effect of storage time and temperature on the setting times of two composite resins. Schutt NL, et al. **J Prosthet Dent** 1982 Apr;47(4):407–10

A study of the effect of an increased mold temperature on the casting ability of some nonprecious alloys for porcelain veneers. Thomson DH. **J Prosthet Dent** 1982 Jul;48(1):52–8

Influence of temperature on hexose transport by round spermatids of rats. Hall PF, et al. **J Reprod Fertil** 1981 Nov;63(2):373–9

Temperature gradients and local perfusion in a mammary carcinoma. Gullino PM, et al. **JNCI** 1982 Mar;68(3):519–33

Changes in plasma glucagon levels to stressful environmental temperatures. Kuroshima A, et al. **Jpn J Physiol** 1981; 31(1):43–52

A comparison of the effects of temperature and metabolic inhibition on the contraction of smooth muscle. Sunano S, et al. **Jpn J Physiol** 1981;31(4):445–56

Temperature and natural killer cell activity [letter] Nurmi T, et al. **Lancet** 1982 Feb 27;1(8270):516–7

Differential effect of environmental temperature on morphine physical dependence and abstinence. Beckman AL, et al. **Life Sci** 1982 Mar 22;30(12):1013–20

Role of endocrine pancreas in temperature acclimation. Doi K, et al. **Life Sci** 1982 Jun 28;30(26):2253–9

The effect of environmental temperature on sebum composition of tropical and temperate breeds of cattle. O'Kelly JC, et al. **Lipids** 1982 Jan;17(1):19–26

The effect of temperature upon the responses of isolated cardiac muscle to sympathomimetic amines. Broadley KJ. **Methods Find Exp Clin Pharmacol** 1980 Aug;2(4):181–93 (83 ref.)

The initiation of chromosome replication in a dnaAts46 and a dnaA+ strain at various temperatures. Frey J, et al. **MGG** 1981;182(2):364–6

Microcalorimetry studies of energy changes during the growth of Klebsiella aerogenes in simple salts/glucose media. 3. The effect of growth temperature on energy conversion. Nichols SC, et al. **Microbios** 1981; 31(125–126):153–60

Versatility of Bacillus caldolyticus with regard to thermoadaptation and morphology. v.d. Aart PH, et al. **Mikroskopie** 1981 Oct;38(9–10):265–77

The effect of temperature and antimetabolites on antibody binding to the outer surface of second stage Toxocara canis larvae. Smith HV, et al. **Mol Biochem Parasitol** 1981 Dec; 4(3–4):183–93

A synthetic liquid medium for the development of the tissue form of Coccidiodes immitis at 26 degrees C. Abou-Gabal M. **Mykosen** 1981 Sep;24(9):534–40

Temperature of egg incubation determines sex in Alligator mississippiensis. Ferguson MW, et al. **Nature** 1982 Apr 29; 296(5860):850–3

Effects of histamine injections on physiological responses to laminitis in cattle exposed to warm and cold temperatures. Takahashi K, et al. **Nippon Juigaku Zasshi** 1981 Apr; 43(2):261–5

Postmenopausal observations [letter] Mikhailidis DP, et al. **Obstet Gynecol** 1982 May;59(5):665–6

Influence of ambient temperature on calorigenic action of thyroid hormones in young mice. Haidmayer R, et al. **Pflugers Arch** 1981 Aug;391(2):125–8

Activity of warm receptors in Boa constrictor raised at various temperatures. Hensel H, et al. **Pflugers Arch** 1981 Dec;392(2):95–8

Effect of temperature on proximal tubular acidification. Rubio CR, et al. **Pflugers Arch** 1982 Mar;393(1):71–6

Isotherms in ion exchange as obtained from break-through curves. I. Theory. Eid MI, et al. **Pharm Weekbl [Sci]** 1981 Dec 18;3(6):252–7

Temperature preferences and the effect of changes in serotonin in maturing mice. Goodrich C, et al. **Physiol Behav** 1981 Jun;26(6):1041–7

Effect of ambient temperature on learning. Roussel B, et al. **Physiol Behav** 1982 Jun;28(6):991–3

Effects of environmental temperature on dietary obesity and growth in rats. Rowe EA, et al. **Physiol Behav** 1982 Feb; 28(2):219–26

Acid–base regulation and phospholipid adaptations to temperature: time courses and physiological significance of modifying the milieu for protein function. White FN, et al. **Physiol Rev** 1982 Jan;62(1):40–90 (143 ref.)

The effect of environmental temperature on immune response and metabolism of the young chicken. 1. Effect of intramuscular injection on heat production. Henken AM, et al. **Poult Sci** 1982 Mar;61(3):503–9

Posthatch growth and development of a circadian rhythm for thyroid hormones in chicks incubated at different temperatures. Kühn ER, et al. **Poult Sci** 1982 Mar; 61(3):540–9

The interaction of phosphorus nutrition and fasting on the survival time of young chickens acutely exposed to high temperature. McCormick CC, et al. **Poult Sci** 1982 Feb; 61(2):331–6

Effects of dietary protein level and environmental temperature stress on growth of young ring-necked pheasants. Warner RE, et al. **Poult Sci** 1982 Apr; 61(4):673–6

Effect of extracorporeal blood cooling on dialytic arterial hypotension. Maggiore Q, et al. **Proc Eur Dial Transplant Assoc** 1981;18:597–602

Differential effects of warm- and cold-ambient temperature on blood levels of beta-endorphin and prolactin in the rat. Deeter WT 3d, et al. **Proc Soc Exp Biol Med** 1981 Dec; 168(3):369–72

Temperature dependence of the sodium channel gating kinetics in the node of Ranvier. Collins CA, et al. **Q J Exp Physiol** 1982 Jan;67(1):41–55

Frequency of anaphylactoid reactions during intravenous urography with radiographic contrast media at two different temperatures. Turner E, et al. **Radiology** 1982 May;143(2):327–9

Influence of temperature on the growth in cell culture of malignant catarrhal fever virus. Harkness JW, et al. **Res Vet Sci** 1981 Sep;31(2):164–8

Influence of temperature of incubation on chicken embryo tracheal organ cultures and chick embryos infected with strains of avian infectious bronchitis virus. Yachida S, et al. **Res Vet Sci** 1981 Jul;31(1):14–8

The effect of CO2 and temperature on respiratory movements in the chicken. Barnas GM, et al. **Respir Physiol** 1981 Mar; 43(3):315–25

Soluble polypeptides from root meristems growing at different temperatures. Navarrete MH, et al. **Rev Esp Fisiol** 1981 Sep;37(3):331–4

Direct effects of hyperthermia on pathogenic microorganisms: Teleologic implications with regard to fever. Mackowiak PA. **Rev Infect Dis** 1981 May–Jun; 3(3):508–20 (94 ref.)

Acute cardiorespiratory morbidity, air quality, temperature and polien concentration in Providence, Rhode Island. Study suggests relationship between air pollutants and temperature and the incidence of bronchospasm. Silliman R, et al. **RI Med J** 1982 Mar;65(3):109–11

Temperature-dependent sex determination: current practices threaten conservation of sea turtles. Morreale SJ, et al. **Science** 1982 Jun 11;216(4551):1245–7

Casting accuracy at different mould temperatures. Yli-Urpo A, et al. **Swed Dent J** 1982;6(1):45–7

Influence of incubation time and temperature on indium-111-oxide uptake by human platelets [letter] Sinzinger H, et al. **Thromb Haemost** 1981 Jun 30;45(3):295

Temperature sensitivity of the preoptic and anterior hypothalamic neurons in organ culture. Hori Y, et al. **Tohoku J Exp Med** 1982 Jan;136(1):79–87

Effect of temperature on the red cell membrane protein and its antigenic reactivity. Ballas SK, et al. **Transfusion** 1981 Sep–Oct;21(5):537–41

Temperature dependence of leukocyte depletion of blood with an automatic blood cell processor. Milner GR, et al. **Transfusion** 1982 Jan–Feb;22(1):48–50

Investigations in the transforming activity of temperature-sensitive mutants of herpes simplex virus. Danielescu G, et al. **Virologie** 1982 Jan–Mar;33(1):9–15

Changes in platelet membranes and bouyant density with storage of platelet concentrates at 22 degrees C. Bolin RB. **Vox Sang** 1981;40 Suppl 1:117–8

Aggregation: release response of platelets stored at 22 degrees C. Moroff G. **Vox Sang** 1981;40 Suppl 1:110–4

In vitro measurements of platelet concentrates stored at 4 and 22 degree C: correlation with posttransfusion platelet viability and function. Slichter SJ. **Vox Sang** 1981;40 Suppl 1:72–86 (43 ref.)

[Changes in the biochemical and hematological indices of chickens raised under high temperature and humidity] Nguen Din Kuan, et al. **Vet Med Nauki** 1981;18(4):71–7 (Eng. Abstr.) **(Bul)**

[On the room temperature standard of new rural housing in Jilin District (author's transl)] Li MC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan;16(1):10–3 (Eng. Abstr.) **(Chi)**

[The effect of temperature on the stability of lyophilized hemoglobin solutions] Ulrych S, et al. **Cesk Farm** 1982 May;31(3–4):123–5 (Eng. Abstr.) **(Cze)**

[Response of Musca domestica L. species to insecticides [lindane (gamma HCH)] and trichlorfon) as a function of various temperatures] Enescu A. **Arch Roum Pathol Exp Microbiol** 1982 Jan–Mar;41(1):61–5 (Eng. Abstr.) **(Fre)**

[Aging of eyes and ambiant temperatures] Weale RA. **Rev Med Suisse Romande** 1981 Oct;101(10):837–9 **(Fre)**

[Heat and temperature conductivity of dental Ni-Cr alloys] Weber H. **Dtsch Zahnarztl Z** 1981 Oct;36(10):652-8 (Eng. Abstr.) **(Ger)**

[Temperature dependence of phagocytosis of untreated candida cells by chicken bone marrow derived macrophages (author's transl)] Grund S, et al. **Mykosen** 1981 Dec;24(12):707-18 (Eng. Abstr.) **(Ger)**

[Room climate studies of nurseries in Hungary] Merétei K, et al. **Z Gesamte Hyg** 1982 Feb;28(2):109-11 (Eng. Abstr.) **(Ger)**

[Has the incubation temperature an effect upon the endotoxin contents of Y. enterocolitica? (author's transl)] Hellmann E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):529-36 (Eng. Abstr.) **(Ger)**

[Effects of changes in temperature on behavior and on some enzyme activities in Semisalsa aponensis and Bithynia tentaculata (Mollusca, Gastropoda)] Bolognani Fantin AM, et al. **Arch Ital Anat Embriol** 1981;86(3):225-34 (Eng. Abstr.) **(Ita)**

[Thermal effects of Nd:YAG and Co2 lasers on biological tissues] Baldassarre L. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):320-6 (Eng. Abstr.) **(Ita)**

[Effects of increased temperature on the sensory transduction process induced by frog ampullar receptors] Zucca G, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):228-34 (Eng. Abstr.) **(Ita)**

[An estimation of comfortable temperature for rats using thermograph (author's transl)] Yoshida JA, et al. **Jikken Dobutsu** 1981 Jul;30(3):225-32 (Eng. Abstr.) **(Jpn)**

[Effects of temperature changes on catecholamine-induced responses of the isolated dog atrium (author's transl)] Chiba S, et al. **Kokyu To Junkan** 1981 Jul;29(7):703-6 **(Jpn)**

[Influence of ambient temperature on the evaluation of cardiovascular function (author's transl)] Tanaka M, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):814-20 (Eng. Abstr.) **(Jpn)**

[Effect of temperature on the pressure volume curve and edema formation during positive pressure ventilation (author's transl)] Horie T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr; 19(4):239-45 (Eng. Abstr.) **(Jpn)**

[Studies on temperature sensitivity of human endometrial adenocarcinoma cells in vitro (author's transl)] Udagawa Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1235-44 (Eng. Abstr.) **(Jpn)**

[Effects of temperature of water added to control sera at reconstitution on creatine kinase activity (author's transl)] Fushimi R, et al. **Rinsho Byori** 1982 Jan;30(1):72-6 **(Jpn)**

[Effect of environmental temperature on interaction of platelet and heparin (author's transl)] Shiiki M, et al. **Rinsho Byori** 1982 Jan;30(1):110-4 **(Jpn)**

[A new loading method of plethysmography using two conditioned rooms (author's transl)] Terasawa K, et al. **Rinsho Byori** 1982 Feb;30(2):195-8 **(Jpn)**

[Effects of the Environmental Temperature on the manifestation of intoxication in rats due to interaction of methylmercury and selenium (report 1). Growth rate, morbidity and mortality (author's transl)] Shimojo N, et al. **Sangyo Igaku** 1981 Sep;23(5):554-5 **(Jpn)**

[Chromosome aberration induction by a temperature-sensitive SV40 mutant in mammalian cells] Gorbumova LV, et al. **Biol Nauki** 1981;(10):75-8 **(Rus)**

[Low-temperature disturbance of plasma membrane permeability related to dehydration] Gulevskiĭ AK, et al. **Dokl Akad Nauk SSSR** 1982;263(5):1250-4 **(Rus)**

[Thermoturbidimeric study of the action of membrane-active polypeptides on rat liver mitochondria] Reznik GI, et al. **Dokl Akad Nauk SSSR** 1981;259(1):238-41 **(Rus)**

[Ratio of the concentrations of volatile substances escaping from polyvinyl chloride linoleums to the environmental temperature] Vasil'eva TS, et al. **Gig Sanit** 1981 Jun; (6):15-7 (Eng. Abstr.) **(Rus)**

[Effect of high environmental temperature on carbohydrate metabolism in rat liver and skeletal muscles] Akhmedov R, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun; 16(3):92-4 **(Rus)**

[Hygienic evaluation of new brands of rubber intended for use in a water-supply system under high temperature and active chemical operating modes] Omel'ianets NI, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):70-3 (Eng. Abstr.) **(Rus)**

[Electrochemical oxygen analyzer with automatic temperature compensation] Lysak VA, et al. **Med Tekh** 1982 Jan-Feb;(1):16-9 (Eng. Abstr.) **(Rus)**

[Shigella and Salmonella viability in river water under different temperature conditions] Popovich GG, et al. **Mikrobiol Zh** 1981 Jul-Aug;43(4):487-9 **(Rus)**

[Effect of Fe3+ ions on Thiobacillus ferrooxidans oxidation of ferrous oxide at various temperatures] Kovalenko TV, et al. **Mikrobiologiia** 1982 Jan-Feb;51(1):156-60 (Eng. Abstr.) **(Rus)**

[Effect of the cultivation temperature on the growth and chemical composition of the methanol-assimilating yeast Candida boidinii] Podgorskiĭ VS. **Mikrobiologiia** 1981 Sep-Oct;50(5):852-6 (Eng. Abstr.) **(Rus)**

[Yeast growth under alternating temperature conditions and the possibility of originating thermotolerant forms] Pozmogova IN, et al. **Mikrobiologiia** 1981 Sep-Oct; 50(5):878-84 (Eng. Abstr.) **(Rus)**

[Periodic changes in the morphophysiological properties of chemostat culture of Candida utilis yeasts under alternating temperatures] Pozmogova IN, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):1072-9 (Eng. Abstr.) **(Rus)**

[Chemostat cultivation of Candida utilis yeasts under nonstationary temperature conditions] Pozmogova IN, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):236-9 (Eng. Abstr.) **(Rus)**

[Resistance of resting cyst-like forms of Bacillus cereus to exposure to high temperature, ultraviolet rays and low-molecular alcohols] Pronin SV, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):314-7 (Eng. Abstr.) **(Rus)**

[Effect of temperature on Candida utilis morphology and growth rate under limited and unlimited cultivation conditions] Samoilenko VA, et al. **Mikrobiologiia** 1981 Sep-Oct;50(5):873-7 (Eng. Abstr.) **(Rus)**

[Changes in the transepithelial potential and spike responses of the ampullae of Lorenzini to temperature stimulation in the skate] Brown GR, et al. **Neirofiziologiia** 1982; 14(1):11-8 (Eng. Abstr.) **(Rus)**

[Effect of low temperatures on bone and cartilage tissues] Pankov Ela, et al. **Ortop Travmatol Protez** 1981 Apr; (4):75-8 (40 ref.) **(Rus)**

[Mechanism of stimulation of the immune response of the body as effected by a high external temperature] Prokopenko LG, et al. **Patol Fiziol Eksp Ter** 1981;(6):62-6 (Eng. Abstr.) **(Rus)**

[Pathogenetic mechanisms in the development of bronchopulmonary diseases under low temperatures] Landysheva IV, et al. **Sov Med** 1981;(12):8-13 (Eng. Abstr.) **(Rus)**

[Structural differences in the collagens of Rana frog species with dissimilar temperature ecology. The contribution of carbohydrate components to collagen molecular thermostability] Andreeva AP, et al. **Tsitologiia** 1982 May; 24(5):561-8 (Eng. Abstr.) **(Rus)**

[Fluorescence anisotropy and myelin structure. IV. An analysis of the effect of temperature changes on the membrane structure] Vorob'ev MV, et al. **Tsitologiia** 1981 Sep;23(9):997-1002 (Eng. Abstr.) **(Rus)**

[Development of an optimal perfusion solution for liver preservation at temperatures of 2-4 degrees C] Zhuravlev VA, et al. **Vestn Khir** 1981 Dec;127(12):33-7 (Eng. Abstr.) **(Rus)**

[Thermal stability of rhodopsins and opsins in warm- and cold-blooded vertebrates] Berman AL, et al. **Zh Evol Biokhim Fiziol** 1981 Nov-Dec;17(6):547-55 (Eng. Abstr.) **(Rus)**

[Warm and cold humid air inhalation and its effect on pulmonary function in patients with bronchial asthma (author's transl)] Papp I, et al. **Cas Lek Cesk** 1982 May 28;121(21):652-5 (Eng. Abstr.) **(Slo)**

[Rhinopsychrometry in healthy individuals with eutrophic nasal mucosa and in patients with atrophy of the nasal mucosa] Gál P. **Cesk Otolaryngol** 1981 Oct;30(5):279-86 (Eng. Abstr.) **(Slo)**

[Effect of high altitude hypoxia and decreased external temperature on the activity of lysosomal enzymes in peritoneal polymorphonuclear leukocytes in rats] Ferenčíková J, et al. **Fysiatr Reumatol Vestn** 1981 Oct; 59(5):261-6 (Eng. Abstr.) **(Slo)**

[The effect of high altitude hypoxia and decreased external temperature on the levels of complement, lysozyme and beta-D-glucuronidase in the blood, spleen and liver of rats] Ferenčíková J, et al. **Fysiatr Reumatol Vestn** 1981 Oct; 59(5):267-75 (Eng. Abstr.) **(Slo)**

[Effect of incubation temperature on the sensitivity of Yersinia enterocolitica and pseudotuberculosis to 8 beta-lactam antibiotics] Gaspar Gascó MC, et al. **Rev Clin Esp** 1981 Nov 15;163(3):161-2 (Eng. Abstr.) **(Spa)**

[Effect of temperature on cultures of Biomphalaria glabrata (Say) in the laboratory] Perera de Puga G, et al. **Rev Cubana Med Trop** 1981 Jan-Apr;33(1):51-7 (Eng. Abstr.) **(Spa)**

TEMPERATURE SENSE

Thermal alliesthesial response in man is independent of skin location stimulated. Attia M, et al. **Physiol Behav** 1981 Sep; 27(3):439-44

DRUG EFFECTS

Thermal analgesia and substance P depletion induced by capsaicin in guinea-pigs. Buck SH, et al. **Neuroscience** 1981; 6(11):2217-22

Impaired heat discrimination learning after capsaicin treatment. Obál F Jr, et al. **Physiol Behav** 1981 Dec; 27(6):977-81

PHYSIOLOGY

Depletion of primary afferent substance P by capsaicin and dihydrocapsaicin without altered thermal sensitivity in rats. Buck SH, et al. **Brain Res** 1982 Feb 4;233(1):216-20

Quantitative observations on thermal and metabolic responses to cold of workers using vibrating tools. Futatsuka M, et al. **Int Arch Occup Environ Health** 1982 Feb;49(3-4):213-21

Thermosensitivity and its possible fine-structural basis in mechanoreceptors in the beak skin of geese. Gottschaldt KM, et al. **J Comp Neurol** 1982 Mar 1;205(3):219-45

Nociceptors and warm receptors innervated by C fibres in human skin. Hallin RG, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr;45(4):313-9

Hypothalamic thermosensitivity in an Emu, Dromiceius Novae-Hollandiae. Jessen C, et al. **Pflugers Arch** 1982 May; 393(3):278-80

Variation of cold sensitivity over the body surface. Stevens JC. **Sens Processes** 1979 Dec;3(4):317-26

[Evaluation of thermal comfort in a work environment: the possibility of analytical objective assessment of the average response of workers] Casciani G, et al. **Ann Ist Super Sanita** 1981;17(3):413-4 **(Ita)**

[Responses of the corneal primary afferents to mechanical and thermal stimulations (author's transl)] Kawabe M. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):934-40 (Eng. Abstr.) **(Jpn)**

[Convergence of signals on neurons of the anterior hypothalamus during local thermal stimulation of the skin] Khalilov E, et al. **Neirofiziologiia** 1981;13(4):365-70 (Eng. Abstr.) **(Rus)**

TEMPLATES

Stimulatory effect of hnRNA on template activity of isolated rat liver chromatin. Grabowska M, et al. **Acta Biochim Pol** 1981;28(2):135-46

The effect of ultrasonic irradiation on the template activity of calf thymus DNA. Arai S, et al. **J Radiat Res (Tokyo)** 1981 Jun;22(2):274-81

TEMPORAL ARTERIES

Superficial temporal arterial dilation without headache in extracranial-intracranial bypass patients. Myers DE, et al. **Headache** 1982 May;22(3):118-21

[Arterio-venous fistula of the deep temporal artery following frontotemporal region craniotomy -- a case report (author's transl)] Ohyama H, et al. **No Shinkei Geka** 1981 May;9(6):753-8 (Eng. Abstr.) **(Jpn)**

INJURIES

[Surgical treatment of a traumatic diffuse arterial aneurysm in the temporoparietal area] Volodin IuM. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):84 **(Rus)**

PATHOLOGY

Histological structural abnormalities of superficial temporal arteries used for extracranial-intracranial anastomosis. Diaz FG, et al. **J Neurosurg** 1982 Sep;57(3):328-33

SURGERY

Relief of headache following resection of traumatic temporal artery aneurysm. Fuller JK, et al. **Ariz Med** 1982 Jan; 39(1):43-5

Anterior temporal anastomosis: a new approach to the problem of extracranial-intracranial bypass. Ploncard P. **J Microsurg** 1981 Winter;3(2):112-5

Extracranial to intracranial bypass (a case report). Nagpal RD. **J Postgrad Med** 1981 Jul;27(3):189-190a

Superficial temporal to proximal superior cerebellar artery anastomosis for basilar artery stenosis. Ausman JI, et al. **Neurosurgery** 1981 Jul;9(1):56-60

A simple ultrasonographic method for evaluating the patency of an extra-intracranial bypass. Terwey B, et al. **Radiology** 1982 Jul;144(1):185

Ultrasonic evaluation of superficial temporal artery-middle cerebral artery anastomosis. Tanaka K, et al. **Stroke** 1981 Nov-Dec;12(6):803-7

[Anastomosis of the superficial temporal artery and middle cerebral artery in treating ischemic cerebrovascular disease---report of 60 cases (author's transl)] Ren WD. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):90-3 **(Chi)**

[Chronic ulceration following biopsy of the temporal arteria] Foged EK. **Hautarzt** 1981 Dec;32(12):647-8 (Eng. Abstr.) **(Ger)**

[Stabilizing-hemostatic clamp for vascular anastomosis in microsurgery] Mrówka R, et al. **Pol Tyg Lek** 1981 Jul 20; 36(29):1087-9 **(Pol)**

ULTRASTRUCTURE

Axonal particles with electron-dense cores from arterial biopsy in polymyalgia arteritis. Spence IM. **S Afr Med J** 1982 Aug 14;62(8):240-1

TEMPORAL ARTERITIS

BLOOD

The role of actinically provoked systemic elastolysis in polymyalgic vascular disease. A study based on serum fluorescence and haptoglobin. O'Brien JP, et al. **Am J Dermatopathol** 1981 Fall;3(3):273-86

Relationship of the erythrocyte sedimentation rate to acute phase proteins in polymyalgia rheumatica and giant cell arteritis. Park JR, et al. **Ann Rheum Dis** 1981 Oct; 40(5):493-5

Serum beta 2-microglobulin in temporal arteritis. Mulder H, et al. **Neth J Med** 1982;25(5):134-7

[Comparative variations of the sedimentation rate, haptoglobin and orosomucoid in rhizomelic pseudopolyarthritis and temporal arteritis. Attempt at a

definition of biological parameters for monitoring these diseases] Paolaggi JB, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):413–9 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Arm ischemia secondary to giant cell arteritis. Rivers SP, et al. **Am J Surg** 1982 May;143(5):554–8

Successful treatment of dissecting aortic aneurysm due to giant cell arteritis. Salisbury RS, et al. **Ann Rheum Dis** 1981 Oct;40(5):507–8

Temporal arteritis with scalp necrosis [letter] Maradona JA, et al. **Arch Dermatol** 1981 Oct;117(10):604–5

Giant cell arteritis (temporal arteritis) presenting as fever of undetermined origin. Calamia KT, et al. **Arthritis Rheum** 1981 Nov;24(11):1414–8

Giant cell arteritis associated with progressive systemic sclerosis [letter] Perez-Jinenez F, et al. **Arthritis Rheum** 1982 Jun;25(6):717–8

Severe giant cell valvulitis in a patient with Reiter's syndrome. Podell TE, et al. **Arthritis Rheum** 1982 Feb; 25(2):232–4

Giant cell arteries presenting with necrosis of the tongue – a case report. Allen P. **Br J Oral Surg** 1980 Sep; 18(2):162–5

Necrosis of the tongue secondary to cranial arteritis. Hicks K, et al. **Br J Oral Surg** 1980 Sep;18(2):166–9

Giant cell arteritis–variation on a theme. Killian JM, et al. **Heart Lung** 1982 Jul–Aug;11(4):376–80

Giant cell arteritis: a systemic disease with rare cutaneous manifestations. Baum EW, et al. **J Am Acad Dermatol** 1982 Jun;6(6):1081–8

Oral necrosis accompanying giant cell arteritis. Browne WG. **J Oral Maxillofac Surg** 1982 Jul;40(7):450–3

Facial swelling and giant cell arteritis. Cohen MD, et al. **J Rheumatol** 1982 Mar–Apr;9(2):325–7

Reversible quadriplegia in a patient with giant-cell arteritis [letter] Brennan MJ, et al. **S Afr Med J** 1982 Jul 17; 62(3):81–2

Giant lymph node hyperplasia (Castleman's disease) associated with temporal arteritis. Lenner P, et al. **Scand J Haematol** 1981 Oct;27(4):263–6

[Polyneuropathy complicating Horton's disease (author's transl)] Contamin F, et al. **Ann Med Interne (Paris)** 1981; 132(5):337–9 (Eng. Abstr.) **(Fre)**

[Neurologic manifestations of Horton's giant cell arteritis] Ollat H, et al. **Ann Med Interne (Paris)** 1981;132(5):340–6 (58 ref.) **(Fre)**

[Horton's disease and hepatic involvement simulating secondary cancer of the liver (letter)] Brissot P, et al. **Gastroenterol Clin Biol** 1982 May;6(5):513–5 **(Fre)**

[A tussigenic form of Horton's disease (letter)] Quilichini R, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2831 **(Fre)**

[Lingual necrosis with temporal arteritis (author's transl)] Renard JP, et al. **Sem Hop Paris** 1982 Jan 7;58(1):51–2 (Eng. Abstr.) **(Fre)**

[Temporal arteritis in systemic scleroderma] Hammerschmied W, et al. **Hautarzt** 1982 Mar;33(3):162–4 **(Ger)**

[Appearance of giant cell arteritis 6 years after the 1st manifestation of polymyalgia rheumatica] Felder M, et al. **Z Rheumatol** 1981 Nov–Dec;40(6):240–2 (Eng. Abstr.) **(Ger)**

[Case of transient bilateral blindness developed as a result of Horton's disease] Khriapchenkova MP, et al. **Oftalmol Zh** 1981;36(5):312–3 **(Rus)**

[Giant cell arteritis and fever of unknown origin (author's transl)] Villalta J, et al. **Med Clin (Barc)** 1981 Nov 10; 77(8):322–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Complicated aortic arch syndrome and ischemic optic neuropathy presenting as giant cell (temporal) arteritis. Terry JE, et al. **Am J Optom Physiol Opt** 1981 Dec; 58(12):1142–9

Unsuspected giant cell arteritis diagnosed at open heart surgery. Kay RH, et al. **Arch Intern Med** 1982 Jul; 142(7):1378–9

Diagnoses not to be missed: giant cell arteritis. Mulley GP. **Br J Hosp Med** 1982 Apr;27(4):413–4, 416

Polymyalgia rheumatica and giant cell arteritis––a difficult diagnosis. Jones JG, et al. **J R Coll Gen Pract** 1981 May; 31(226):283–9

Temporal arteritis associated with normal sedimentation rate. Biller J, et al. **JAMA** 1982 Jan 22–29;247(4):486–7

Temporal arteritis manifested as an acute febrile pericarditis [letter] Dupond JL, et al. **JAMA** 1982 May 7; 247(17):2371–2

Secondary syphilis presenting with features of cranial arteritis. Drew PJ. **Postgrad Med J** 1981 Nov;57(673):712–3

Pulseless disease of the elderly: an unusual presentation of giant cell (temporal) arteritis. Frayha RA, et al. **Rheumatol Rehabil** 1982 Feb;21(1):36–41

Occipital headache as a manifestation of giant cell arteritis. Blaiss MS, et al. **South Med J** 1982 Jul;75(7):887–8

Diagnostic errors in polymyalgia rheumatica and temporal arteritis. Bretza J, et al. **South Med J** 1981 Oct; 74(10):1270–3

Overdiagnosis of temporal arteritis. Ehsan M, et al. **South Med J** 1981 Oct;74(10):1198–200

Temporal arteritis presenting with jaw claudication and normal erythrocyte sedimentation rate. Nelson MW, et al. **South Med J** 1982 Aug;75(8):1014–6

[Temporal arteritis] de Jager AE, et al. **Ned Tijdschr Geneeskd** 1982 Jan 9;126(2):55–60 (Eng. Abstr.) **(Dut)**

[Giant cell arteritis and rhizomelic pseudopolyarthritis. Unusual clinical aspects] Schreiber S. **Acta Clin Belg** 1982; 37(1):41–4 (Eng. Abstr.) **(Fre)**

[Doppler examination in temporal arteritis. Preliminary results (author's transl)] Dany F, et al. **J Mal Vasc** 1981; 6(4):273–7 (Eng. Abstr.) **(Fre)**

[Horton's disease: specific pulmonary involvement? (letter)] Rodat O, et al. **Nouv Presse Med** 1981 Dec 19;10(46):3796–7 **(Fre)**

[Edematous forms of Horton arteritis. Two case-reports (author's transl)] Herreman G, et al. **Sem Hop Paris** 1982 May 20;58(20):1240–1 **(Fre)**

[Arteriopathy of the lower limbs and giant-cell arteritis. Diagnosis on arteriographic and histologic examinations (author's transl)] Jouquan J, et al. **Sem Hop Paris** 1982 Jul 1;58(26–27):1611–6 (Eng. Abstr.) **(Fre)**

[Diagnosis of giant cell arteritis] Dunker PJ, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):987–8 **(Ger)**

[Doppler ultrasound sonography of the supratrochlear artery in temporal arteritis (author's transl)] Grobe T, et al. **Dtsch Med Wochenschr** 1982 Apr 2;107(13):502–3 (Eng. Abstr.) **(Ger)**

[Rapid diagnosis: temporal arteritis] Bardach H, et al. **Med Klin [Prax]** 1982 Jan 15;77(2):44–5, 48 **(Ger)**

[Giant cell arteritis of the uterus] Martinelli G, et al. **Pathologica** 1981 Mar–Apr;73(1024):263–8 (Eng. Abstr.) **(Ita)**

[Occult temporal arteritis. Case reports and review of the literature] Gresele P, et al. **Recenti Prog Med** 1982 Mar; 72(3):304–19 (75 ref.) (Eng. Abstr.) **(Ita)**

[A case of Horton–Magath–Brown Disease (author's transl)] Smolińska K. **Klin Oczna** 1981;83(9):449–50 (Eng. Abstr.) **(Pol)**

[Temporal arteritis. Study of 43 cases] Villalta J, et al. **Med Clin (Barc)** 1982 Apr 16;78(8):307–12 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Cranial arteritis. Hall DL. **J La State Med Soc** 1982 Mar–Apr; 134(2):53–4

[Giant-cell arteritis with initial resistance to corticosteroids (author's transl)] Treves R, et al. **Sem Hop Paris** 1982 Jan 7;58(1):13–5 (Eng. Abstr.) **(Fre)**

[Therapy of giant cell arteritis] Dunker PJ, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):988–9 **(Ger)**

ETIOLOGY

[Rhizomelic pseudopolyarthritis and Horton's disease. A search for correlations with HLA system, HB virus and Beta 2 microglobulin (author's transl)] Chaouat D, et al. **Nouv Presse Med** 1982 Jan 16;11(2):101–4 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Giant cell arteritis and polymyalgia rheumatica in a conjugal pair. Hickstein DD, et al. **Arthritis Rheum** 1981 Nov; 24(11):1448–50

Immunoglobulin allotypes in patients with giant cell arteritis and polymyalgia rheumatica. Pandey JP, et al. **J Immunogenet** 1982 Jun;9(3):165–7

IMMUNOLOGY

HLA antigens in cases of giant cell arteritis. Kemp A, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):1000–4

Immunohistochemical findings in cranial arteritis. Gallagher P, et al. **Arthritis Rheum** 1982 Jan;25(1):75–9

HLA-DR locus antigens in polymyalgia rheumatica and giant cell arteritis. Calamia KT, et al. **J Rheumatol** 1981 Nov–Dec;8(6):993–6

[Immunological implications in the pathogenesis of Horton arteritis] Tonietti G, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1528–31 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Epidemiology of temporal arteritis in Israel. Friedman G, et al. **Isr J Med Sci** 1982 Feb;18(2):241–4

[Epidemiologic approach to Horton's disease in the department of Loire-Atlantique. 110 cases in 10 years (1970–1979)] Barrier J, et al. **Rev Med Interne** 1982 Mar; 3(1):13–20 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Medical pathology conference fever of undetermined origin with abnormal chest X-ray and accelerated ESR. Garcia JH, et al. **Ala J Med Sci** 1981 Oct;18(4):413–20

Axonal particles with electron-dense cores from arterial biopsy in polymyalgia arteritis. Spence IM. **S Afr Med J** 1982 Aug 14;62(8):240–1

Temporal arteritis: a report on two cases. Haraldson T, et al. **Swed Dent J** 1982;6(3):121–5

Giant cell arteritis limited to large elastic pulmonary arteries. Wagenaar SS, et al. **Thorax** 1981 Nov;36(11):876–7

[Giant cell arteritis. Retrospective study of 22 cases] Martinez J, et al. **Rev Clin Esp** 1981 Apr 30;161(2):103–7 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Multiple vascular lesions in Horton's disease. Angiographic study (author's transl)] Chagnon S, et al. **J Radiol** 1981 Mar;62(3):183–6 (Eng. Abstr.) **(Fre)**

SURGERY

[Improvement of vision in consequence of A. ophthalmica Ligature. Contribution to therapy of arteritis temporalis and disturbances at ocular blood supply (author's translation)] Gramberg-Danielsen B. **Ophthalmologica** 1982 Jan;184(2):72–7 (Eng. Abstr.) **(Ger)**

TEMPORAL BONE

see related

LABYRINTH

Giant cell lesions of the temporal bone. Colclasure JB, et al. **Am J Otol** 1981 Jan;2(3):188–92

Mucormycosis of the temporal bone. Gussen R, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):27–32

Visual loss from cavernous hemangiomas of the middle cranial fossa. Harper DG, et al. **Arch Neurol** 1982 Apr; 39(4):252–4

Metastatic carcinoma simulating Bell's palsy. Litvin JM, et al. **IMJ** 1982 Jan;161(1):21–2

The Ontario Temporal Bone Bank program and the University of Toronto Temporal Bone Histopathology Laboratory. Hawke M, et al. **J Otolaryngol** 1982 Jun; 11(3):214–20

Temporal bone encephalocele––diagnosis and treatment. Kamerer DB, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):878–82

[Cholesteatoma and granuloma of the petrous apex and foramen lacerum. Surgical approach and histologic diagnosis (author's transl)] Buchheit F, et al. **Rev Otoneuroophtalmol** 1981 Oct–Dec;53(5):433–43 (Eng. Abstr.) **(Fre)**

[Does pneumatization of the temporal bone protect against noise?] Rotermundt F. **Z Gesamte Hyg** 1981;27(8):601–3 (Eng. Abstr.) **(Ger)**

[Colloid goiter metastasizing into the temporal region] Csikós F, et al. **Orv Hetil** 1981 Jun 28;122(26):1590–1 **(Hun)**

[Giant cell tumor of the temporal bone––case report (author's transl)] Nakao S, et al. **No Shinkei Geka** 1982 Apr; 10(4):429–33 (Eng. Abstr.) **(Jpn)**

ABNORMALITIES

Stylohyoid syndromes: an uncommon cause of pharyngeal and neck pain. Krespi YP, et al. **Am J Otolaryngol** 1981 Nov;2(4):358–60

Severe middle ear anomaly with underdeveloped facial nerve. A temporal bone histopathologic case report. Kodama A, et al. **Arch Otolaryngol** 1982 Feb;108(2):93–8

Congenital abnormalities of the ear in perinatal deaths. Wells M, et al. **Clin Otolaryngol** 1982 Apr;7(2):107–19

Eagle's syndrome diagnosed after history of headache, dysphagia, otalgia, and limited neck movement. Correll RW, et al. **J Am Dent Assoc** 1982 Apr;104(4):491–2

Eagle's syndrome. Lawrence FR, et al. **J Oral Maxillofac Surg** 1982 May;40(5):307–9

ANATOMY & HISTOLOGY

Scarpa's ganglion in the rat and guinea pig. Curthoys IS. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):107–13

Contribution to the study of the styloid prominence in the posterior tympanic cavity. Garcia PJ, et al. **Anat Anz** 1982; 151(3):247–54

Spatial occupancy of vessels and facial nerve in the facial canal. Ogawa A, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):14–9

The blood supply of the facial nerve in the human temporal bone. Minatogawa T, et al. **Auris Nasus Larynx** 1980; 7(1):7–18

Anatomical measurements of the cochlear aqueduct, round window membrane, round window niche, and facial recess. Su WY, et al. **Laryngoscope** 1982 May;92(5):483–6

Lymphocytic streaming as an indicator of inner ear compartmentalization. Roffman G, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):836–40

[The pterygo-maxillary fossa (infra-temporal fossa). Topographical division. Methods of investigation. Transmandibular approach to the region of the pterygoids (author's transl)] Legent F, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):435–42 (Eng. Abstr.) **(Fre)**

[Area and topography of the air cells of the mastoid and temporal squama in persons of different ages] Kosiagina EB. **Arkh Anat Gistol Embriol** 1982 May;82(5):56–61 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Preparation of small temporal bones for high-resolution light microscopy. Chole RA, et al. **Arch Otolaryngol** 1981 Oct; 107(10):610–2

Ganglia and ganglion cells in the middle ear. Their presence in the human and the cat. Goycoolea MV, et al. **Arch Otolaryngol** 1982 May;108(5):276–8

EMBRYOLOGY

Labyrinthine segment and geniculate ganglion of facial nerve

in fetal and adult human temporal bones. Ge XX, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul-Aug;90(4 Pt 2 Suppl 85):1-12

GROWTH & DEVELOPMENT

Experimental investigations into the clinical significance of bone growth at viscerocranial sutures. Watzek G, et al. **J Maxillofac Surg** 1982 May;10(2):61-79

[Postnatal developmental changes in the posterior cranial fossa area. I. Facies posterior partis petrosae (porus et meatus acusticus internus, fossa subarcuata, apertura externa aqueductus vestibuli, apertura externa canaliculi cochleae)] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(3):305-42 (Eng. Abstr.) **(Ger)**

INJURIES

Dislocation of the mandibular condyle into the temporal fossa. Worthington P. **J Maxillofac Surg** 1982 Feb; 10(1):24-7

Hearing loss and vertigo secondary to head injury. Healy GB. **N Engl J Med** 1982 Apr 29;306(17):1029-31 (8 ref.)

Posttraumatic sensorineural hearing loss. A prospective long-term study. Koefoed-Nielsen B, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):206-15

[X-ray tomography in fractures of the temporal bone and injuries of the ossicula (author's transl)] Frey KW, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Sep;60(9):451-70 (Eng. Abstr.) **(Ger)**

[Surgery for traumatic conductive hearing loss and facial nerve palsy (author's transl)] Makishima K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):1-5 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Malignant fibrous histiocytoma of the temporal bone with intracranial extension. Chitale VS, et al. **Acta Neurochir (Wien)** 1981;59(3-4):239-46

Acoustic tumor surgery with preservation of hearing. A histopathologic report. Belal A Jr, et al. **Am J Otol** 1982 Jul;4(1):9-16

Poststapedectomy dizziness. A histopathologic report. Belal A Jr, et al. **Am J Otol** 1982 Jan;3(3):187-91

Temporal bone pathology in drowning. Babin RW, et al. **Am J Otolaryngol** 1982 May-Jun;3(3):168-73

Hereditary deafness with hydrops and anomalous calcium phosphate deposits. Johnsson LG, et al. **Am J Otolaryngol** 1981 Nov;2(4):284-98

Temporal bone characteristics in Meniere's disease. Stahle J, et al. **Ann NY Acad Sci** 1981;374:794-807

Inner ear pathology following injury to the eighth cranial nerve and the labyrinthine artery. Sando I, et al. **Ann Otol Rhinol Laryngol** 1982 Mar-Apr;91(2 Pt 1):136-41

Fibrous dysplasia: a review of the disease and its manifestations in the temporal bone. Nager GT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 May-Jun;92:1-52

Asymptomatic schwannoma of the cochlear nerve. Ayani N, et al. **Arch Otolaryngol** 1982 Aug;108(8):501-3

Sudden hearing loss associated with cochlear membrane rupture. Two human temporal bone reports. Gussen R. **Arch Otolaryngol** 1981 Oct;107(10):598-600

Cholesterol granuloma of the cerebellopontine angle. House JL, et al. **Arch Otolaryngol** 1982 Aug;108(8):504-6

Anomalies of the auditory organ in Potter's syndrome. Histopathological findings in the temporal bone. Saito R, et al. **Arch Otolaryngol** 1982 Aug;108(8):484-8

Apical endolymphatic hydrops. Yamashita T, et al. **Arch Otolaryngol** 1982 Aug;108(8):463-6

Loss of vestibular neurons in clinical otosclerosis. Richter E, et al. **Arch Otorhinolaryngol** 1982;234(1):1-9

Diagnosis of infratemporal fossa tumors using percutaneous core needle biopsy. Shapshay SM, et al. **Head Neck Surg** 1979 Sept-Oct;2(1):35-41

An extensive solitary xanthoma of the temporal bone, associated with hyperlipoproteinaemia. Emery PJ, et al. **J Laryngol Otol** 1982 May;96(5):451-7

Traumatic bony exostosis in the infratemporal fossa. Bodner L, et al. **J Oral Maxillofac Surg** 1982 Mar;40(3):179-80

Hydatid cyst in the maxillofacial region. Shuker S. **J Oral Maxillofac Surg** 1982 Mar;40(3):171-4

Diagnosis and treatment of Eagle's syndrome. Glogoff MR, et al. **J Oral Surg** 1981 Dec;39(12):941-4

Temporal bone findings in Friedreich's ataxia. Igarashi M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(3):146-55

Osteoradionecrosis of the temporal bone. Wurster CF, et al. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):126-9

Temporal bone histopathology in human ototoxicity due to loop diuretics. Arnold W, et al. **Scand Audiol [Suppl]** 1981; 14 Suppl:201-13

[Pre-styloid tumors with latero-maxillary extrinsic spread. Report of 2 cases] Panzoni E. **Minerva Stomatol** 1981 Jul-Aug;30(4):259-64 **(Ita)**

[Temporal bone histopathology of the congenital spondylo-epiphyseal dysplasia (author's transl)] Ogawa A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Aug; 84(8):877-9 (Eng. Abstr.) **(Jpn)**

[A clinical study on noise deafness. 3. Effects of pneumatization of the temporal bone (author's transl)] Zusho H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May; 85(5):550-6 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Temporal bone: comparison of pluridirectional tomography and high resolution computed tomography. Littleton JT, et al. **AJR** 1981 Oct;137(4):835-45

Temporal bone radiography using the orthopantomograph. Tatezawa T. **AJR** 1981 Sep;137(3):589-94

Otolaryngologic plain film radiography, with an emphasis on the temporal bone--how to do it. Part two. Dixon HS. **Am J Otol** 1982 Jul;4(1):17-45

Otolaryngologic plain film radiography, with an emphasis on the temporal bone--how to do it. Part one. Dixon HS. **Am J Otol** 1982 Apr;3(4):318-38 (81 ref.)

Comparative study using computed tomographic thin-section zoom reconstructions and anatomic macrosections of the temporal lobe. Beatty CW, et al. **Ann Otol Rhinol Laryngol** 1981 Nov-Dec;90(6 Pt 1):643-9

Temporal bone anatomy: comparison of computed tomography and complex motion tomography. Shaffer KA, et al. **Head Neck Surg** 1982 Mar-Apr;4(4):296-300

Mastoid development in ancient and modern populations. A longitudinal radiological study. Gregg JB, et al. **JAMA** 1982 Jul 23;248(4):459-64

Combined electrocochleography and tomography of the temporal bones in severely deaf infants. Beagley HA. **Laryngoscope** 1982 Jul;92(7 Pt 1):821-2

Transverse axial plane anatomy of the temporal bone employing high spatial resolution computed tomography. Russell EJ, et al. **Neuroradiology** 1982;22(4):185-91

Arteriovenous malformation with middle cranial fossa expansion a previously unrecorded association. Thakkar CH, et al. **Neuroradiology** 1982;23(1):49-51

The petrous temporal bone (including the cerebellopontine angle). Taylor S. **Radiol Clin North Am** 1982 Mar; 20(1):67-86

[Anomalies of mineralization of the temporal styloid process (author's transl)] Laufer J, et al. **Rev Stomatol Chir Maxillofac** 1981;82(5):318-24 (37 ref.) (Eng. Abstr.) **(Fre)**

[A newly developed method of the maxillo-temporal panoramic tomography (author's transl)] Shinkawa A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Nov 20; 83(11):1491-7 (Eng. Abstr.) **(Jpn)**

[Clinical investigation on pneumatization of the temporal bone. 1. Influence on diseases of inner ear (author's transl)] Yachiyama H. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May; 85(5):509-17 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Colloid goiter metastasizing into the temporal region] Csikós F, et al. **Orv Hetil** 1981 Jun 28;122(26):1590-1 **(Hun)**

SURGERY

Radical en bloc resection of the temporal bone. Ariyan S, et al. **Am J Surg** 1981 Oct;142(4):443-7

Temporal bone pneumatization. A planimetric study. Hug JE, et al. **Arch Otorhinolaryngol** 1981;233(2):145-56

Surgical management of a pneumatized articular eminence of the temporal bone. Kulikowski BM, et al. **J Oral Maxillofac Surg** 1982 May;40(5):311-3

Stylohamular dissection: a new method for en bloc reaction of malignancies of the infratemporal fossa. Friedman WH, et al. **Laryngoscope** 1981 Nov;91(11):1869-79

Subtemporal craniectomy and elevation of shunt valve opening pressure in the management of small ventricle-induced cerebrospinal fluid shunt dysfunction. Walsh JW, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):698-703

Surgical management of a symptomatic fractured, ossified stylohyoid ligament. Solfanelli SX, et al. **Oral Surg** 1981 Dec;52(6):569-73

[A contribution to the surgical restoration of the middle ear following radical trepanation of the temporal bone (author's transl)] Sprem N. **Lijec Vjesn** 1982 Feb;104(2):77-8 (Eng. Abstr.) **(Scr)**

TEMPORAL LOBE

Temporal lobe seizure presenting as 'laryngospasm'. Ravindran M. **Clin Electroencephalogr** 1981 Jul; 12(3):139-40

Surgical management of dural and temporal lobe herniation into the radical mastoid cavity. Graham MD. **Laryngoscope** 1982 Mar;92(3):329-31

The case of George Gershwin. Ljunggren B. **Neurosurgery** 1982 Jun;10(6 Pt 1):733-6

Hemangioma calcificans. Case report and review of the literature. Merli GA, et al. **Riv Patol Nerv Ment** 1981 Mar-Apr;102(2):78-86

Non-epileptic symptoms of temporal lobe dysfunction. Neppe VM. **S Afr Med J** 1981 Dec 26;60(26):989-91 (50 ref.)

Otogenic pasteurella multocida brain abscess and glomus jugulare tumour. Whittle IR, et al. **Surg Neurol** 1982 Jan; 17(1):4-8

[A preliminary study of short-term memory in patients with temporal and frontal lobe tumor (author's transl)] Xu SL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):39-42 (Eng. Abstr.) **(Chi)**

[Dermoid cyst of the brain] Baš H, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):332-6 (Eng. Abstr.) **(Cze)**

[Primary cerebral neuroblastoma--case report (author's transl)] Otsuki T, et al. **No Shinkei Geka** 1981 Dec; 9(13):1535-40 (Eng. Abstr.) **(Jpn)**

[A case of pleomorphic xanthoastrocytoma (Kepes) (author's transl)] Sakai H, et al. **No Shinkei Geka** 1981 Dec; 9(13):1519-24 (Eng. Abstr.) **(Jpn)**

[General sensitivity disorders in temporal lobe lesions (clinical picture, pathogenesis, epilepsy syndrome significance)] Shogam II. **Zh Nevropatol Psikhiatr** 1981; 81(6):854-9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

A case of bilateral temporal lobe agenesis. Lang C, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):626-30

ANATOMY & HISTOLOGY

[Comparison of the developing temporal neocortex with the sensorimotor cortex in rats (author's transl)] Nicolai B, et al. **Z Mikrosk Anat Forsch** 1981;95(3):385-9 (Eng. Abstr.) **(Ger)**

[Anatomical asymmetries of the frontal and parietal lobes (author's transl)] Utsunomiya R, et al. **No To Shinkei** 1982 Mar;34(3):253-8 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Microsurgical treatment of juxtapeduncular angiomas. Da Pian R, et al. **Surg Neurol** 1982 Jan;17(1):16-29

[About a case of visual agnosia with prosopagnosia and colour agnosia] Dumont I, et al. **Acta Psychiatr Belg** 1981 Jan-Feb;81(1):25-45 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Areal and laminar distribution of neurons interconnecting the central visual cortical areas 17, 18, 19, and MT in squirrel monkey (Saimiri). Tigges J, et al. **J Comp Neurol** 1981 Nov 10;202(4):539-60

[The postnatal development of the lamina V pyramidal cells in the temporal cortex of the albino rat] Nicolai B. **J Hirnforsch** 1981;22(4):351-81 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Neurochemical activities in human temporal lobe related to aging and Alzheimer-type changes. Perry EK, et al. **Neurobiol Aging** 1981 Winter;2(4):251-6

INJURIES

Mass lesions of the frontal lobes in acute head injuries. A comparison with temporal lesions. Papo I, et al. **Acta Neurochir (Wien)** 1982;62(1-2):47-72

Delayed deterioration in the syndrome of temporal lobe contusion: evaluation by computed tomography (CT). Nelson PB, et al. **J Trauma** 1982 Jan;22(1):39-42

[Central deafness without aphasic disorders due to bilateral temporal lesion] Barraquer-Bordas L, et al. **Acta Neurol Latinoam** 1980;26(3):165-74 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Herpes simplex virus infections of the nervous system: virus isolation and typing from a case of encephalitis. Rapicetta M, et al. **Riv Neurobiol** 1980 Jul-Sep;26(3):284-90

PATHOLOGY

Some morphometric aspects of the brain in senile dementia of the Alzheimer type. Terry RD, et al. **Ann Neurol** 1981 Aug;10(2):184-92

Neuropathological findings following temporal lobectomy related to surface and deep EEG patterns. Lieb JP, et al. **Epilepsia** 1981 Oct;22(5):539-49

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 23-1982. A 37-year-old woman with headaches, memory loss, and an abnormal CT scan. **N Engl J Med** 1982 Jun 10;306(23):1410-6

[Localization of brain tumors in autopsy. Part I: Tumors of the temporal lobe] Schreiber D, et al. **Zentralbl Neurochir** 1981;42(4):241-50 (Eng. Abstr.) **(Ger)**

[Changes in the cerebral cortex in temporal lobe epilepsy] Iontov AS, et al. **Zh Nevropatol Psikhiatr** 1981;81(6):891-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Posterior inferotemporal neuron activities during a visual fixation task and a visual tracking task. Mikami A, et al. **Behav Brain Res** 1982 May;5(1):81-7

Evidence for the sequential participation of inferior temporal cortex and amygdala in the acquisition of stimulus-reward associations. Spiegler BJ, et al. **Behav Brain Res** 1981 Nov; 3(3):303-17

Visual discrimination defects in cats with temporal or occipital decortications. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):603-14

Behavioral effect of local cooling in temporal lobe of monkeys. Horel JA, et al. **J Neurophysiol** 1982 Jan; 47(1):11-22

Neuronal firing in the inferotemporal cortex of the monkey in a visual memory task. Fuster JM, et al. **J Neurosci** 1982 Mar;2(3):361-75

Further evidence on elevated discrimination limens for

reduced patterns in monkeys with inferotemporal lesions. Yaginuma S, et al. **Neuropsychologia** 1982;20(1):21–32

Effects of semantic organization on the recognition of pictures following temporal lobectomy. Zaidel DW, et al. **Neuropsychologia** 1981;19(6):813–7

[Vestibular Responses of neurons of the anterior suprasylvian region of the cat cortex and their interaction with responses to acoustic stimulation and stimulation of the facial nerve] Dem'ianenko VS. **Neirofiziologiia** 1981;13(4):353–8 (Eng. Abstr.) **(Rus)**

[Spike activity of neurons of the brain stem reticular formation during functional (cold) exclusion of the temporal neocortex] Aleksandrova II, et al. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):168–9 **(Rus)**

[Effect of functional cold exclusion of the temporal areas of the neocortex on spike activity of visual cortex neurons] Dulinets VV. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb; 32(1):173–4 **(Rus)**

[EEG correlates of the functional organization of damaged cat brain following restoration of conditioned activity] Mordvinov EF. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):940–9 (Eng. Abstr.) **(Rus)**

[Effect of polarization of brain structures on development of the escape reaction in cats] Shamov VA. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1295–7 **(Rus)**

PHYSIOPATHOLOGY

Neurons in human epileptic cortex: correlation between unit and EEG activity. Wyler AR, et al. **Ann Neurol** 1982 Mar; 11(3):301–8

Neurons in human epileptic cortex. Response to direct cortical stimulation. Wyler AR, et al. **J Neurosurg** 1981 Dec;55(6):904–8

[An experimental study of temporal cortical kindling in cats: the effects of midline–bisection on seizure generalization mechanism (author's transl)] Okamoto M. **Seishin Shinkeigaku Zasshi** 1982;84(1):48–67 **(Jpn)**

[Emotional tone of sensations resulting from cutaneous stimulation with an electric current in patients with lesions of the mediobasal structures of the temporal lobe of the brain] Madorskii SV. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):218–23 **(Rus)**

RADIOGRAPHY

CT measurements of mesial temporal lobe herniation in epileptics. Bolender NF, et al. **Epilepsia** 1982 Aug; 23(4):409–16

Comparison of computed tomography and pluridirectional tomography of the temporal bone. Lufkin R, et al. **Radiology** 1982 Jun;143(3):715–8

SURGERY

Surface and deep EEG correlates of surgical outcome in temporal lobe epilepsy. Lieb JP, et al. **Epilepsia** 1981 Oct; 22(5):515–38

Changes in intelligence following temporal lobectomy: relationship to EEG activity, seizure relief, and pathology. Lieb JP, et al. **Epilepsia** 1982 Feb;23(1):1–13

Temporal lobectomy for epilepsy: mesial temporal herniation as an operative and prognostic finding. Turner DA, et al. **Epilepsia** 1981 Dec;22(6):623–9

Fibrous ankylosis of the mandible following frontotemporal craniotomy. Case report. Hendler BH, et al. **J Neurosurg** 1981 Nov;55(5):836–7

Arteriovenous malformations of the medial temporal lobe. Surgical approach and neuroradiological characterization. Heros RC. **J Neurosurg** 1982 Jan;56(1):44–52

Intracranial intradural epidermoids and dermoids. Surgical results of 38 cases. Hamel E, et al. **Neurosurg Rev** 1980; 3(4):215–9

Late results of operation in temporal lobe epilepsy in adults and children. Stępień L, et al. **Neurosurg Rev** 1981;4(2):61–9

Superior temporal gyrus approach to middle cerebral artery aneurysms: technique and results. Heros RC, et al. **Neurosurgery** 1982 Mar;10(3):308–13

Unifocal eosinophilic granuloma of the temporal lobe. Greenwood SM, et al. **Surg Neurol** 1982 Jun;17(6):441–4

[Memory deficits after temporal lobe resections in epileptics (author's transl)] Birri R, et al. **Nervenarzt** 1982 Mar; 53(3):144–9 **(Ger)**

[Nonverbal visual memory after unilateral temporal lobe resection] Mroziak J. **Neurol Neurochir Pol** 1981 Jul–Aug; 15(4):475–80 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

[Electron microscopic study of the human cerebral cortex in the perifocal zone of a contusion] Kaganovskaia EA. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):22–8 (Eng. Abstr.) **(Rus)**

TEMPORAL MUSCLE see under **MASTICATORY MUSCLES**

TEMPORARY THRESHOLD SHIFT, AUDITORY see **AUDITORY FATIGUE**

TEMPOROMANDIBULAR JOINT

Ankylosis of the temporomandibular joint. Part 2. Rowe NL. **J R Coll Surg Edinb** 1982 May;27(3):167–73

[Synovial chondromatosis of the temporomandibular joint] Brants JF, et al. **Acta Stomatol Belg** 1982;79(1):37–44 (Eng. Abstr.) **(Dut)**

ABNORMALITIES

Radiographic temporomandibular joint abnormality in adults with micrognathia and juvenile rheumatoid arthritis. Larheim TA, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(4):495–504

ANATOMY & HISTOLOGY

A simplified method for injection or aspiration of the temporomandibular joint. Zetz MR, et al. **J Am Dent Assoc** 1982 Jun;104(6):855–7

[Anatomy of muscles acting on the temporomandibular joint] Smirnov VG, et al. **Arkh Anat Gistol Embriol** 1981 May; 80(5):17–23 (Eng. Abstr.) **(Rus)**

[Temporomandibular joint structural characteristics in children and adolescents normally and in pathology] Panikarovskii VV, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):6–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Micro–vasography of temporomandibular joint of normal young persons (author's transl)] Cui YT. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):1–2 **(Chi)**

DRUG EFFECTS

The response of periodontal ligament and mandibular joint to the collagen–crosslink inhibitor penicillamine in the rat. Dayan D, et al. **Arch Oral Biol** 1981;26(4):281–5

GROWTH & DEVELOPMENT

[Biological development of temporomandibular joints. New attainments (author's transl)] Couly G. **Ann Otolaryngol Chir Cervicofac** 1981;98(10–11):511–21 (Eng. Abstr.) **(Fre)**

INJURIES

The role of local anaesthesia in the reduction of long–standing dislocation of the temporomandibular joint. Littler BO. **Br J Oral Surg** 1980 Jun;18(1):81–5

Clicking sounds owing to temporomandibular joint injury [letter] Meyer RA. **JAMA** 1982 Jul 2;248(1):30

[Temporomandibular luxations (author's transl)] Bertrand JC. **Ann Otolaryngol Chir Cervicofac** 1981;98(10–11):531–4 (Eng. Abstr.) **(Fre)**

[Symptoms and treatment results in disk dislocations of the temporomandibular joint] Rudelt HG. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Aug;91(8):566–8 **(Ger)**

[Hearing after temporomandibular joint injury] Józwiak J. **Otolaryngol Pol** 1981;35(3):263–70 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Abnormal temporomandibular joints in fibrodysplasia ossificans progressiva. Renton P, et al. **Br J Oral Surg** 1982 Mar;20(1):31–8

Experimentally induced ankylosis and facial asymmetry in the macaque monkey. Hohl TH, et al. **J Maxillofac Surg** 1981 Nov;9(4):199–210

The effects of immobilization on the primate temporomandibular joint: a histologic and histochemical study. Glineburg RW, et al. **J Oral Maxillofac Surg** 1982 Jan;40(1):3–8

Dental attrition and degenerative arthritis of the temporomandibular joint. Richards LC, et al. **J Oral Rehabil** 1981 Jun;8(4):293–307

[Histological and x–ray studies of the pathomorphological changes in temporomandibular joint tissue: a contribution to the differentiation of chronic temporomandibular joint diseases] Pinkert R. **Zahn Mund Kieferheilkd** 1981; 69(6):451–64 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Direct measurement of loads at the temporomandibular joint in Macaca arctoides. Brehnan K, et al. **J Dent Res** 1981 Oct;60(10):1820–4

The condyle as a stress–distributing component of the temporomandibular joint. Standlee JP, et al. **J Oral Rehabil** 1981 Sep;8(5):391–400

Application of orthopedic principles in evaluation of the temporomandibular joint. Friedman MH, et al. **Phys Ther** 1982 May;62(5):597–603

[Projection errors in angle measurement with hinge axis recorders] Klett R. **Dtsch Zahnarztl Z** 1982 Jun;37(6):482–6 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Analysis and correction of condylar displacement of the TMJ. Kruger BM, et al. **J Prosthet Dent** 1982 Jun; 47(6):646–53

The temporomandibular joint in juvenile rheumatoid arthritis. Radiographic changes related to clinical and laboratory parameters in 100 children. Larheim TA, et al. **Scand J Rheumatol** 1982;11(1):5–12

[Considerations and practical experiences with functional diagnosis] Kleinrok M. **Dtsch Zahnarztl Z** 1982 Jun; 37(6):487–91 **(Ger)**

[Motor reeducation of the temporomandibular joint] Bormioli P, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):573–8 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Temporomandibular joint abnormalities in rheumatoid arthritis: comparison of different radiographic methods. Larheim TA, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(6):703–7

Comparison between three radiographic techniques for examination of the temporomandibular joints in juvenile rheumatoid arthritis. Larheim TA. **Acta Radiol [Diagn] (Stockh)** 1981;22(2):195–201

Radiographic abnormalities of the temporomandibular joint in children with juvenile rheumatoid arthritis. Larheim TA, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):277–84

Radiographic appearance of the normal temporomandibular joint in newborns and small children. Larheim TA. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):593–9

Synovial cell sarcoma of the temporomandibular joint. Computed tomographic findings. DelBalso AM, et al. **Arch Otolaryngol** 1982 Aug;108(8):520–2

A radiographic tracing technique for the comparative assessment of transcranial views of the tempero–mandibular joint. Wood GD. **Br J Oral Surg** 1980 Sep;18(2):170–4

TMJ radiography with emphasis on tomography. Rosenberg HM, et al. **Dent Radiogr Photogr** 1982;55(1):1–24

TMJ arthrography [letter] Holt CR. **J Am Dent Assoc** 1981 Jun;102(6):822

Arthrographic diagnosis of internal derangements of the TMJ [letter] Nickerson JW Jr. **J Oral Surg** 1981 Dec; 39(12):924–5

A modified examination of tempero–mandibular joints using Siemens Orthopantomograph. Hosking J. **Radiography** 1981 Oct;47(562):243–4

Arthrography of the temporomandibular joint. Murphy WA. **Radiol Clin North Am** 1981 Jun;19(2):365–78

Mandibular growth, temporomandibular joint changes and dental occlusion in juvenile rheumatoid arthritis. A 17–year follow–up study. Larheim TA, et al. **Scand J Rheumatol** 1981;10(3):225–33

[Protocol for the radiological examination of the temporomandibular joint] Glon Y, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):69–74 (Eng. Abstr.) **(Fre)**

[Cylindrical fractures of the mandibular joint under special consideration of the X–ray diagnosis (author's transl)] Rink B, et al. **Radiol Diagn (Berl)** 1981;22(6):755–63 (Eng. Abstr.) **(Ger)**

[Modification of the radiological technique of Parma for reduction of irradiation dose (author's transl)] Stampfel G, et al. **Radiologe** 1982 Apr;22(4):181–4 **(Ger)**

[Axial oblique lateral x–ray picture of the temporomandibular joint and its reproducibility (a methodology study)] Siebert G, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Dec; 91(12):1025–36 (Eng. Abstr.) **(Ger)**

[Importance of the correct incidence in temporomandibular joint radiography with an oblique transcranial projection] Preti G, et al. **Minerva Stomatol** 1981 Sep–Oct;30(5):437–42 (Eng. Abstr.) **(Ita)**

SURGERY

Microsurgical approach to the temporomandibular joint. A new horizon. Kreutziger KL. **Arch Otolaryngol** 1982 Jul; 108(7):422–8

Closed condylotomy in the treatment of osteoarthritis of the temporomandibular joint. Clinical and radiographic study. Tasanen A, et al. **Int J Oral Surg** 1981 Aug;10(4):230–5

Closure of temporomandibular joint meniscoplasty with figure–of–eight vertical mattress suture. Bronstein SL. **J Oral Maxillofac Surg** 1982 Apr;40(4):248–50

Surgical management of a pneumatized articular eminence of the temporal bone. Kulikowski BM, et al. **J Oral Maxillofac Surg** 1982 May;40(5):311–3

TEMPOROMANDIBULAR JOINT DISEASES

[Acquired malformations of the face in the adult. Problems in anesthesia and recovery] Cathelin M, et al. **Ann Anesthesiol Fr** 1981;22(6):546–50 **(Fre)**

COMPLICATIONS

Acute temporomandibular arthritis in a patient with bruxism and calcium pyrophosphate deposition disease. Good AE, et al. **Arthritis Rheum** 1982 Mar;25(3):353–5

Pain and functional disturbances of the masticatory system – a review of etiology and principles of treatment. Kopp S. **Swed Dent J** 1982;6(2):49–60

CONGENITAL

Congenital bilateral temporomandibular joint ankylosis. A probable hereditary malformation. Fragoso R, et al. **Rev Invest Clin** 1982 Jan–Mar;34(1):69–71

DIAGNOSIS

Screening procedures for temporomandibular joint dysfunction. Friedman MH, et al. **Am Fam Physician** 1982 Jun;25(6):157–60

The treatment of some disorders of the maxillo-mandibular apparatus. II. Osteo-arthritis. Griffin CJ. **Aust Dent J** 1981 Aug;26(4):225-31

Ankylosis of the temporomandibular joint. Rowe NL. **J R Coll Surg Edinb** 1982 Mar;27(2):67-79

[Clinical examination of the temporomandibular joint (author's transl)] Bertrand JC. **Ann Otolaryngol Chir Cervicofac** 1981;98(10-11):523-5 (Eng. Abstr.) **(Fre)**

[Considerations and practical experiences with functional diagnosis] Kleinrok M. **Dtsch Zahnarztl Z** 1982 Jun; 37(6):487-91 **(Ger)**

[Osteoarthrosis of the temporomandibular joint] Egorov PM, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb;61(1):54-6 (Eng. Abstr.) **(Rus)**

[Clinical aspects and treatment principles in temporomandibular joint diseases] Kalamkarov KhA, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):66-71 **(Rus)**

DRUG THERAPY

Phonophoresis with hydrocortisone in the treatment of temporomandibular joint dysfunction. Wing M. **Phys Ther** 1982 Jan;62(1):32-3

[Possibilities of the therapeutic use of electrophoresis in diseases of the temporomandibular joint] Modla Z, et al. **Fogorv Sz** 1981 Apr;74(4):108-10 (Eng. Abstr.) **(Hun)**

ETIOLOGY

Temporomandibular joint erosions in systemic lupus erythematosus [letter] Gerbracht D, et al. **Arthritis Rheum** 1982 May;25(5):597

False ankylosis of the temporo-mandibular joint following craniotomy. Summers L. **Br J Oral Surg** 1980 Sep; 18(2):138-40

Bilateral pseudoankylosis of the temporomandibular joint due to synostoses between the mandible and maxilla. Super S, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):590-2

Temporomandibular joint pain in a renal dialysis patient. Churton MC, et al. **NZ Dent J** 1981 Jul;77(349):105-7

Erosive temporomandibular joint disease as a feature of the spondyloarthropathy of ulcerative colitis. Eyanson S, et al. **Oral Surg** 1982 Feb;53(2):136-40

Sarcoid temporomandibular arthritis. Schwartz HC. **Oral Surg** 1981 Dec;52(6):588-90

Micrognathia, temporomandibular joint changes and dental occlusion in juvenile rheumatoid arthritis of adolescents and adults. Larheim TA, et al. **Scand J Dent Res** 1981 Aug; 89(4):329-38

[The role of the symptoms of overjet and overbite with regard to periodontopathy and arthropathy (author's transl)] Sergl HG. **Zahn Mund Kieferheilkd** 1982; 70(3):238-49 (42 ref.) **(Ger)**

METABOLISM

The uptake of horseradish peroxidase in the temporomandibular joint synovium of the rat following unilateral extraction of molars. Ueno S. **J Dent Res** 1982 Mar;61(3):516-20

OCCURRENCE

Prevalence of functional disturbances and diseases of the stomatognathic system in 15-18 year olds. Nilner M. **Swed Dent J** 1981;5(5-6):189-97

Prevalence of functional disturbances and diseases of the stomatognathic system in 7-14 year olds. Nilner M, et al. **Swed Dent J** 1981;5(5-6):173-87

[Myoarthropathies. Epidemiologic aspects, analytic and therapeutic results] Schulte W, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):343-53 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Psoriatic arthritis of the temporomandibular joint. Rasmussen OC, et al. **Oral Surg** 1982 Apr;53(4):351-7

Clinical findings during the course of temporomandibular arthropathy. Rasmussen OC. **Scand J Dent Res** 1981 Jun; 89(3):283-8

[Histological and x-ray studies of the pathomorphological changes in temporomandibular joint tissue: a contribution to the differentiation of chronic temporomandibular joint diseases] Pinkert R. **Zahn Mund Kieferheilkd** 1981; 69(6):451-64 (Eng. Abstr.) **(Ger)**

[Temporomandibular joint structural characteristics in children and adolescents normally and in pathology] Panikarovskii VV, et al. **Stomatologiia (Mosk)** 1981 Nov-Dec;60(6):6-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Neuromuscular problems in the orofacial region: aetiology and organic pathology. Carlsson GE. **Int Dent J** 1981 Sep; 31(3):198-201 (14 ref.)

Neuromuscular problems in the orofacial region: diagnosis-classification, signs and symptoms. Solberg WK. **Int Dent J** 1981 Sep;31(3):206-15 (29 ref.)

[Temporomandibular fibro-chondromalacia. Physiological basis. Classification on the basis of clinical characteristics and course. Spongialisation (author's transl)] Couly G, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2-3):91-9 (Eng. Abstr.) **(Fre)**

[Electromyographic study during sleep in checking the bite plates of patients with clinically demonstrated temporomandibular joint compression] Schubert R, et al. **Dtsch Zahnarztl Z** 1981 May;36(5):310-3 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Arthrographic diagnosis of internal derangements of the TMJ [letter] Nickerson JW Jr. **J Oral Surg** 1981 Dec; 39(12):924-5

[Clinical aspects and diagnosis of bronchial carcinoma metastasis to the temporomandibular joint area (a case report)] Gerlach KL, et al. **Dtsch Zahnarztl Z** 1981 Nov; 36(11):760-3 (Eng. Abstr.) **(Ger)**

[New aspects of myoarthropathies viewed by computerized tomography] Hüls A, et al. **Dtsch Zahnarztl Z** 1981; 36(12):776-86 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Bone Scintigraphy: an aid in diagnosis and management of facial pain associated with osteoarthrosis. Epstein JB, et al. **Oral Surg** 1982 Jan;53(1):37-42

SURGERY

Temporomandibular ankylosis. Khanna NN, et al. **Ann Acad Med Singapore** 1981 Apr;10(2):175-9

Temporomandibular joint ankylosis--experience with a case of twenty years' duration. Minami RT. **Ann Plast Surg** 1981 Sep;7(3):228-32

Post-traumatic disorders of the jaw joint. Norman JE. **Ann R Coll Surg Engl** 1982 Jan;64(1):27-36

Mandibular growth following ankylosis operation in childhood. Ohno K, et al. **Int J Oral Surg** 1981;10(Suppl 1):324-8

Closed condylotomy in the treatment of osteoarthritis of the temporomandibular joint. Clinical and radiographic study. Tasanen A, et al. **Int J Oral Surg** 1981 Aug;10(4):230-5

[Coronoid process grafting in treatment of temporomandibular ankylosis (author's transl)] Hong M. **Chung Hua I Hsueh Tsa Chih** 1982 Jan;62(1):37-9 **(Chi)**

[True ankylosis of temporomandibular joint (clinical analysis of 156 cases) (author's transl)] Mao ZY. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):142-5 **(Chi)**

[Temporomandibular ankylosis in the child. Two cases. (author's transl)] Poncet E, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(6):259-64 (Eng. Abstr.) **(Fre)**

THERAPY

The treatment of some disorders of the maxillo-mandibular apparatus. I. Congenital disorders. Griffin CJ. **Aust Dent J** 1981 Jun;26(3):139-45

Treatment of temporomandibular arthropathy. Rasmussen OC. **Scand J Dent Res** 1982 Feb;90(1):64-8

[Observations over the course of the initial therapy of myoarthropathy] Pöllmann L. **Dtsch Zahnarztl Z** 1982 Apr; 37(4):356-7 (Eng. Abstr.) **(Ger)**

[Immediate and late results of the orthodontic treatment of functionally induced temporomandibular joint diseases] Petrosov IuA. **Stomatologiia (Mosk)** 1982 May-Jun; 61(3):64-71 (Eng. Abstr.) **(Rus)**

[Arthropathies of the mandibular joint and their treatment with physical therapy methods] Turković D, et al. **Vojnosanit Pregl** 1981 Jul-Aug;38(4):243-6 **(Scr)**

TEMPOROMANDIBULAR JOINT SYNDROME

CLASSIFICATION

Symptoms and signs of the Mandibular Pain Dysfunction Syndrome - a Symptom Index. Smith JP. **Community Dent Oral Epidemiol** 1981 Oct;9(5):236-8

DIAGNOSIS

Patients with restored occlusions. Part I: TMJ dysfunction determined by a pantographic reproducibility index. Lederman KH, et al. **J Prosthet Dent** 1982 Feb; 47(2):198-205

Restored occlusions. Part II: The relationship of clinical and subjective symptoms to varying degrees of TMJ dysfunction. Lederman KH, et al. **J Prosthet Dent** 1982 Mar;47(3):303-9

[The temporomandibular pain-dysfunction syndrome in otorhinolaryngology] Claes J. **Acta Otorhinolaryngol Belg** 1981;35(2):170-83 (Eng. Abstr.) **(Dut)**

[The temporomandibular dysfunction syndrome (author's transl)] Rigolet D. **Ann Otolaryngol Chir Cervicofac** 1981; 98(10-11):527-9 (Eng. Abstr.) **(Fre)**

[Facial pain in relation to mastication, physiopathology of dental occlusion] Frère F, et al. **Rev Med Liege** 1982 Apr 15;37(8):268-73 **(Fre)**

DRUG THERAPY

Management of pain of rheumatologic origin in the head and neck. Moore ME. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):174-8

ETIOLOGY

Analysis of background variables in 350 patients with TMJ disorders as reported in self administered questionnaire. Carlsson GE, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):47-51

Occlusion and myofascial pain dysfunction: is there a relationship? Clarke NG. **J Am Dent Assoc** 1982 Apr; 104(4):443-6 (36 ref.)

Jaw dysfunction in viola and violin players. Hirsch JA, et al. **J Am Dent Assoc** 1982 Jun;104(6):838-43

Sources of myofascial pain dysfunction [letter] van Sickels JE, et al. **J Am Dent Assoc** 1982 Jun;104(6):812, 814

Change in recurrent headache and mandibular dysfunction after treatment with new complete dentures. Magnusson T. **J Oral Rehabil** 1982 Mar;9(2):95-105

Analysis of the mandibular relationship of TMJ dysfunction patients using the Mandibular Kinesiograph.. Maruyama T, et al. **J Oral Rehabil** 1982 May;9(3):217-23

Clicking sounds owing to temporomandibular joint injury [letter] Meyer RA. **JAMA** 1982 Jul 2;248(1):30

Temporomandibular pain dysfunction syndrome - an analysis of fifty patients. Yaacob HB, et al. **Med J Malaysia** 1981 Jun;36(2):83-6

Pain and functional disturbances of the masticatory system - a review of etiology and principles of treatment. Kopp S. **Swed Dent J** 1982;6(2):49-60

Mandibular dysfunction in children and in individuals with dual bite. Egermark-Eriksson I. **Swed Dent J [Suppl]** 1982; 10:1-45

[Synovial chondromatosis of the temporomandibular joint] Brants JF, et al. **Acta Stomatol Belg** 1982;79(1):37-44 (Eng. Abstr.) **(Dut)**

OCCURRENCE

Incidence of tempero-mandibular joint pain dysfunction syndrome in rural population. Rao MB, et al. **Int J Oral Surg** 1981 Aug;10(4):261-5

Epidemiologic studies of mandibular dysfunction: a critical review. Greene CS, et al. **J Prosthet Dent** 1982 Aug; 48(2):184-90 (28 ref.)

PATHOLOGY

Aspects of the periodontal condition of temporomandibular joint pain dysfunction patients. Grossman E, et al. **J Dent** 1982 Jun;10(2):107-12

PHYSIOPATHOLOGY

Masseter inhibitory periods and sensations evoked by electrical tooth pulp stimulation in patients with oral-facial pain and mandibular dysfunction. Sharav Y, et al. **Arch Oral Biol** 1982;27(4):305-10

Investigations on recurrent condyle dislocation in patients with temporomandibular joint dysfunction: a therapeutical concept. Jacobi-Hermanns E, et al. **Int J Oral Surg** 1981; 10(Suppl 1):318-23

TMJ symptoms and referred pain patterns. Campbell CD, et al. **J Prosthet Dent** 1982 Apr;47(4):430-3

Influence of TMJ dysfunction on Bennett movement as recorded by a modified pantograph. Part I: Literature review. Simonet PF. **J Prosthet Dent** 1981 Oct;46(4):437-42 (54 ref.)

Influence of TMJ dysfunction on Bennett movement as recorded by a modified pantograph. Part III: Progress report on the clinical study. Simonet PF, et al. **J Prosthet Dent** 1981 Dec;46(6):652-61

Influence of TMJ dysfunction on Bennett movement as recorded by a modified pantograph. Part II: Pilot articulator study. Simonet PF, et al. **J Prosthet Dent** 1981 Nov;46(5):545-9

PSYCHOLOGY

Temporomandibular joint dysfunction: an occasional manifestation of serious psychopathology. Kaban LB, et al. **J Oral Surg** 1981 Oct;39(10):742-6

Symptoms of TMJ dysfunction as related to stress measured by the social readjustment rating scale. Stein S, et al. **J Prosthet Dent** 1982 May;47(5):545-8

Temporomandibular joint dysfunction with facial pain in children. Belfer ML, et al. **Pediatrics** 1982 May;69(5):564-7

RADIOGRAPHY

Laminagraphic x-ray procedures in the diagnosis and treatment of the TMJ syndrome. Kinnie BH. **Dent Radiogr Photogr** 1981;54(4):65-79

Arthrography of the temporomandibular joint. Murphy WA. **Radiol Clin North Am** 1981 Jun;19(2):365-78

SURGERY

[Reconstructive meniscectomy (author's transl)] Hosxe G. **Ann Otolaryngol Chir Cervicofac** 1981;98(10-11):535-6 (Eng. Abstr.) **(Fre)**

[The practitioner confronting temporomandibular dysfunction] Van Garsse A. **Rev Med Liege** 1981 Sep 1; 36(17):633-7 **(Fre)**

THERAPY

Effects of occlusal treatment and intraarticular injections on temporomandibular joint pain and dysfunction. Kopp S, et al. **Acta Odontol Scand** 1981;39(2):87-96

Orthodontics and the temporomandibular joint. Greene CS. **Angle Orthod** 1982 Apr;52(2):166–72 (30 ref.)
Treatment of patients with temporomandibular joint and other facial pain by otolaryngologists. Marbach JJ, et al. **Arch Otolaryngol** 1982 Feb;108(2):102–7
The treatment of some disorders of the maxillo–mandibular apparatus. III. the maxillo–septal facies, ipsilateral deficiency of facial mesenchyme (mesectoderm) and condylar displacement. Griffin CJ. **Aust Dent J** 1981 Oct; 26(5):311–20
Management of muscular hyperactivity. Clark GT. **Int Dent J** 1981 Sep;31(3):216–25 (0 ref.)
Cranial–mandibular–cervical therapy. Libin BM. **Int J Orthod** 1982 Mar;20(1):13–9
Evaluation of treatment for the pain dysfunction syndrome. Smith JP. **J Dent** 1982 Mar;10(1):65–8
Avoiding the bandwagon phenomenon [letter] Hutton CE. **J Oral Maxillofac Surg** 1982 May;40(5):259
The application of audiostimulation and electromyographic biofeedback to bruxism and myofascial pain–dysfunction syndrome. Manns A, et al. **Oral Surg** 1981 Sep;52(3):247–52
Comparison of effects of electromyographic biofeedback and occlusal splint therapy on mandibular dysfunction. Dahlström L, et al. **Scand J Dent Res** 1982 Apr;90(2):151–6
[Orthodontic treatment of 117 cases of dysfunction syndrome of temporomandibular joint(with case report) (author's transl)] Wang YY. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):137–41 **(Chi)**
[Functional therapy of the syndrome of painful dysfunction of the jaw joint (author's transl)] Filipovič V, et al. **Lijec Vjesn** 1981 Sep;103(9):380–3 (Eng. Abstr.) **(Scr)**

TENDINITIS

COMPLICATIONS

Fracture of an ossified Achilles tendon. Fink RJ, et al. **Clin Orthop** 1982 Sep;(169):148–50
[Painful shoulder in inflammatory diseases] Surace A, et al. **Chir Organi Mov** 1981;66(2):225–35 **(Ita)**

DIAGNOSIS

Bursitis and tendinitis [letter] Matthews JH. **Am Fam Physician** 1981 Oct;24(4):59–61
Acute calcific retropharyngeal tendonitis. Herwig SR, et al. **Arch Otolaryngol** 1982 Jan;108(1):41–2
Saphenous thrombosis mimicking adductor tendinitis [letter] Durnin RA. **Can Med Assoc J** 1982 Feb 1;126(3):232
Flexor hallucis tendinitis in a ballet dancer. A case report. Garth WP Jr. **J Bone Joint Surg [Am]** 1981 Dec; 63–A(9):1489
[Importance of clinical examination. About 4 cases of hand surgery (author's transl)] Calberg G. **Rev Med Brux** 1982 Jan;3(1):45–54 **(Fre)**
[Xanthomatosis cases in the Silesian Rheumatological Hospital in Ustronie] Gburek Z, et al. **Reumatologia** 1981; 19(1):35–41 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Clinical trial with Nimesulide, a new non–steroid anti–inflammatory agent, in rheumatic pathology. Weissenbach R. **J Int Med Res** 1981;9(5):349–52
The use of DMSO in tennis elbow and rotator cuff tendonitis: a double–blind study. Percy EC, et al. **Med Sci Sports Exerc** 1981;13(4):215–9
[Use of ibuprofen cream in ambulatory orthopedic patients. Double–blind comparison with placebo] Gui L, et al. **Clin Ter** 1982 May 31;101(4):363–9 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Immunoglobulin–A, HLA–B27, and frozen shoulder [letter] Bulgen DY, et al. **Lancet** 1981 Oct 3;2(8249):760

METABOLISM

Cerebrotendinous xanthomatosis: defective liver mitochondrial hydroxylation of chenodeoxycholic acid precursors. Oftebro H, et al. **J Lipid Res** 1981 May; 22(4):632–40

OCCURRENCE

Shoulder pain in industry: an epidemiological study on welders. Herberts P, et al. **Acta Orthop Scand** 1981 Jun; 52(3):299–306
[Occupational tenosynovitis and peritendinitis of the arm and hand] Kivi P. **Duodecim** 1981;97(11):729–36 (Eng. Abstr.) **(Fin)**
[Xanthomatosis cases in the Silesian Rheumatological Hospital in Ustronie] Gburek Z, et al. **Reumatologia** 1981; 19(1):35–41 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Patellar tendinitis: pathology and results of treatment. Martens M, et al. **Acta Orthop Scand** 1982 Jun;53(3):445–50

RADIOGRAPHY

Calcific retropharyngeal tendinitis. Karasick D, et al. **Skeletal Radiol** 1981;7(3):203–5
Chronic calcific tendinitis of the neck. Newmark H 3d, et al. **Skeletal Radiol** 1981;7(3):207–8
[Significance of density and demarcation of calcifications in calcifying tendinitis (author's transl)] Uhthoff HK, et al. **Radiologe** 1982 Apr;22(4):170–4 (Eng. Abstr.) **(Ger)**
[A bursa of the tendon of the flexor hallucis longus (author's transl)] Meurman KO. **ROFO** 1982 Jan;136(1):27–30 (Eng. Abstr.) **(Ger)**

SURGERY

The four–in–one arthroplasty for the painful arc syndrome. Neviaser TJ, et al. **Clin Orthop** 1982 Mar;(163):107–12
Calcifying tendinitis of the shoulder: prognostic value of clinical, histologic, and radiologic features in 57 surgically treated cases. McKendry RJ, et al. **J Rheumatol** 1982 Jan–Feb;9(1):75–80
[Contribution to surgical treatment of tendinosis calcarea of the shoulder (author's transl)] Reichelt A. **Z Orthop** 1981 Feb;119(1):21–4 (Eng. Abstr.) **(Ger)**

THERAPY

Management of pain beneath the heel and Achilles tendonitis with visco–elastic heel inserts. MacLellan GE, et al. **Br J Sports Med** 1981 Jun;15(2):117–21
Evaluation and treatment of soft tissue lesions of the ankle and forefoot using the Cyriax approach: a case report. Woodman RM, et al. **Phys Ther** 1982 Aug;62(8):1144–7
[Tendinitis in athletes: therapy with deep transversal message and ice] Gobelet C, et al. **Schweiz Z Sportmed** 1982 Mar; 30(1):21–3 (Eng. Abstr.) **(Fre)**

TENDON INJURIES

The importance of controlled passive mobilization on flexor tendon healing. A biomechanical study. Woo SL, et al. **Acta Orthop Scand** 1981 Dec;52(6):615–22
Intra–articular steroids in the treatment of rotator cuff tear: reappraisal by arthrography. Weiss JJ. **Arch Phys Med Rehabil** 1981 Nov;62(11):555–7
Late rupture of one slip on the floor digitorum superficialis: an unusual cause of triggering. Gordon SL. **Clin Orthop** 1981 Jul–Aug;(158):142–3

CHEMICALLY INDUCED

Finger tendon rupture following local application of triamcinolone–acetonide (Kenalog A–40). Jakubik J. **Acta Chir Plast (Prague)** 1981;23(3):180–8

COMPLICATIONS

Patellar tendon avulsion as a complication of Osgood–Schlatter's disease. Bowers KD Jr. **Am J Sports Med** 1981 Nov–Dec;9(6):356–9
Giant cell tumor of tendon sheath developing at the site of tendon laceration. Wittels M, et al. **Clin Orthop** 1982 Sep; (169):207–10
Mallet finger and fractures. McMinn DJ. **Injury** 1981 May; 12(6):477–9
Avulsion of a profundus tendon with simultaneous intraarticular fracture of the distal phalanx—case report. Smith JH Jr. **J Hand Surg** 1981 Nov;6(6):600–1
[Combined tendon—nerve injuries on the wrist and on the distal third–part of the forearm (author's transl)] Bíró V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):11–8 **(Hun)**
[A case of post–traumatic cyst of the semitendinous muscle] Campi A. **Chir Organi Mov** 1979 Sep–Oct;65(5):593–6 **(Ita)**
[A typical sports injury in adolescents: detachment of the tibial tuberosity. Presentation of a case with associated avulsion of the patellar tendon] Nardini C, et al. **Chir Organi Mov** 1981;66(5):465–72 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Rupture of the extensor pollicis longus tendon in undisplaced Colles' type of fracture. Helal B, et al. **Hand** 1982 Feb; 14(1):41–7
Leg pains in athletes. Gordon G. **J Foot Surg** 1979 Summer; 18(2):55–8
[Importance of clinical examination. About 4 cases of hand surgery (author's transl)] Calberg G. **Rev Med Brux** 1982 Jan;3(1):45–54 **(Fre)**
[Closed rupture of the anterior tibial tendon and its differential diagnosis (author's transl)] Rabenseifner L. **Z Orthop** 1982 Apr;120(2):207–8 **(Ger)**

DRUG THERAPY

The effect of the local corticosteroids on the healing and biomechanical properties of the partially injured tendon. Kapetanos G. **Clin Orthop** 1982 Mar;(163):170–9
[Tendopathy and corticoids] Siggelkow G. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):863–5 **(Ger)**

ETIOLOGY

Associated factors in recurrent groin and hamstring injuries. Muckle DS. **Br J Sports Med** 1982 Mar;16(1):37–9
Rupture of digital extensor tendons following distal ulnar resection. Newmeyer WL, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):178–82
Posttraumatic recurrent subluxation of the extensor carpi ulnaris tendon. Burkhart SS, et al. **J Hand Surg** 1982 Jan; 7(1):1–3
Avulsion of the quadriceps tendons in a patient with an unusual deforming arthritis and varied skin lesions. Wilkinson S, et al. **J Rheumatol** 1981 Nov–Dec;8(6):983–8
[Simultaneous bilateral Achilles and quadriceps tendon rupture] Wendt H, et al. **Beitr Orthop Traumatol** 1981 Jul; 28(6):319–22 (Eng. Abstr.) **(Ger)**
[Spontaneous rupture of tendons of both quadriceps femoris muscles in a patient under repeated hemodialysis] Piskorzyńska U, et al. **Pol Tyg Lek** 1981 May 25; 36(21):775–6 (Eng. Abstr.) **(Pol)**
[Causes of subcutaneous tendon rupture in athletes] Nikitin GD, et al. **Vestn Khir** 1981 Jul;127(7):78–81 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Rupture and disinsertion of the proximal attachment of the adductor longus tendon. Case report with histochemical and ultrastructural study. Ippolito E, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):79–85
[Ischemic–hypoxic changes in muscles with tendon injuries (author's transl)] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(3):218–26 (Eng. Abstr.) **(Hun)**

PHYSIOPATHOLOGY

Effects of early intermittent passive mobilization on healing canine flexor tendons. Gelberman RH, et al. **J Hand Surg** 1982 Mar;7(2):170–5
Effect of partial lacerations on canine flexor tendons. Dobyns RC, et al. **Minn Med** 1982 Jan;65(1):27–32
[Isolated loss of function of the flexor pollicis longus muscles in moderate polyneuropathy] Vossmann H, et al. **Handchirurgie** 1981;13(3–4):207–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Avulsion of the triceps tendon. Farrar EL 3d, et al. **Clin Orthop** 1981 Nov–Dec;(161):242–6
Xeroradiography of tenomuscular traumatic pathologic conditions of the limbs. Bock E, et al. **Diagn Imaging** 1981; 50(5):235–48
The influence of protected passive mobilization on the healing of flexor tendons: a biochemical and microangiographic study. Gelberman RH, et al. **Hand** 1981 Jun;13(2):120–8
Peroneal tenography. Eichelberger RP, et al. **JAMA** 1982 May 14;247(18):2587–91
The importance of soft tissues in certain skeletal traumatic lesions. Harris JH Jr. **Radiol Clin North Am** 1981 Dec; 19(4):601–24
Injuries of the quadriceps mechanism. Nance EP Jr, et al. **Radiology** 1982 Feb;142(2):301–7
[Shoulder arthrography in rupture of supraspinatus tendon] Nakstad PH, et al. **Tidsskr Nor Laegeforen** 1981 Dec 10; 101(34–36):1965–7 (Eng. Abstr.) **(Nor)**

REHABILITATION

Finger flexion force and hand grip strength after tendon repair. Ejeskär A. **J Hand Surg** 1982 Jan;7(1):61–5

SURGERY

Further evolution of the grasping technique for tendon repair. Kim SK. **Ann Plast Surg** 1981 Aug;7(2):113–9
Operative treatment of recurrent dislocation of the peroneal tendons. Beck E. **Arch Orthop Trauma Surg** 1981; 98(4):247–50
The primary repair of digital flexor tendons. Earley MJ, et al. **Br J Plast Surg** 1982 Apr;35(2):133–9
Rotator cuff tears: the role of surgery. Earnshaw P, et al. **Can J Surg** 1982 Jan;25(1):60–3
Surgical treatment of lesions of the long head of the biceps. Dines D, et al. **Clin Orthop** 1982 Apr;(164):165–71
Subluxing biceps tendon in the athlete. O'Donoghue DH. **Clin Orthop** 1982 Apr;(164):26–9
Telescoping suture. Chunprapaph B, et al. **Hand** 1981 Jun; 13(2):211–3
Flexor tendon excursions in 'no–man's land'. McGrouther DA, et al. **Hand** 1981 Jun;13(2):129–41
The treatment of scarring and flexion contracture after operations for injuries to the flexor tendons of the fingers by implantation of a silicone rod and tendon grafting. Sakellarides HT. **Int Orthop** 1981;5(3):225–8
Isolated rupture of extensor pollicis longus. Case report. Baroudi JF. **J Fla Med Assoc** 1981 Dec;68(12):986–7
Approaches to lateral ankle repair: recurrent ankle sprains. Borovoy M, et al. **J Foot Surg** 1982 Summer;21(2):127–31
Recurrent dislocation of extensor carpi ulnaris tendon. Eckhardt WA, et al. **J Hand Surg** 1981 Nov;6(6):629–31
One hundred tendon grafts for isolated flexor digitorum profundus injuries. McClinton MA, et al. **J Hand Surg** 1982 May;7(3):224–9
Stener lesion after lateral dislocation of the proximal interphalangeal joint—indication for open reduction. Stern PJ. **J Hand Surg** 1981 Nov;6(6):602–4
Primary tendon healing. An experimental study. de Klerk AJ, et al. **S Afr Med J** 1982 Aug 21;62(9):276–81
Subscapular muscle transposition for repair of chronic rotator cuff tears. Cofield RH. **Surg Gynecol Obstet** 1982 May; 154(5):667–72
[Changed viewpoints on flexor tendon injuries of the thumb

and fingers] de Boer A, et al. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):361–5 **(Dut)**

[Post-traumatic disinsertions of the terminal brachial biceps tendon. Surgical technique in five cases (author's transl)] Premont M, et al. **J Chir (Paris)** 1982 Jan;119(1):55–64 (Eng. Abstr.) **(Fre)**

[Treatment of fresh and old ruptures of the extensor tendons (author's transl)] Hesoun P, et al. **Aktuel Traumatol** 1981 Dec;11(6):238–47 (Eng. Abstr.) **(Ger)**

[Bilateral, simultaneous, spontaneous and subcutaneous rupture of the quadriceps ligament (author's transl)] Hohlbach G, et al. **Aktuel Traumatol** 1981 Dec;11(6):234–7 (Eng. Abstr.) **(Ger)**

[Surgical treatment of rotator ruptures--indications, technic and results] Hefti F, et al. **Beitr Orthop Traumatol** 1981 Dec;28(12):669–77 (Eng. Abstr.) **(Ger)**

[Prognostic evaluation of reconstructive surgery of the flexor tendons in the 'no man's land' of the hand. Factors affecting the final results] Biró V. **Handchirurgie** 1981;13(3–4):192–6 (Eng. Abstr.) **(Ger)**

[Glide-amplitude measurements in the dynamic treatment of flexor tendons] Brüser P, et al. **Handchirurgie** 1981; 13(3–4):189–91 (Eng. Abstr.) **(Ger)**

[Primary care of extensor tendon injuries] Haas HG. **Handchirurgie** 1981;13(3–4):199–206 (Eng. Abstr.) **(Ger)**

[Reinterventions after surgery of the extensor tendons] Nigst H. **Handchirurgie** 1980;12(3–4):165–9 (Eng. Abstr.) **(Ger)**

[Tendolysis after flexor tendon surgery] Renner A, et al. **Handchirurgie** 1980;12(3–4):159–64 (Eng. Abstr.) **(Ger)**

[Historical development of surgery of the flexor tendons] Verdan C. **Handchirurgie** 1981;13(3–4):181–5 (Eng. Abstr.) **(Ger)**

[Detailed description of the primary flexor tendon suture in the digital canal] Verdan C. **Handchirurgie** 1981; 13(3–4):186–8 **(Ger)**

[Lesions of the rotator cuff] Bandi W. **Helv Chir Acta** 1982 Jan;48(5):537–49 (Eng. Abstr.) **(Ger)**

[Simultaneous bilateral rupture of the quadriceps (author's transl)] Penschuck C, et al. **MMW** 1981 Nov 13; 123(46):1750–2 (Eng. Abstr.) **(Ger)**

[Late results of severe flexor tendon injuries of the hand after producing tendon-sheath from a vein (author's transl)] Forgon M, et al. **Unfallchirurgie** 1982 Jun;8(3):180–4 (Eng. Absir.) **(Ger)**

[Reconstruction of flexor tendons of the hand (author's transl)] Geldmacher J. **Zentralbl Chir** 1981;106(6):383–91 (Eng. Abstr.) **(Ger)**

[Bilateral simultaneous rupture of the ligamenta patellae (corticoid medication and tendon rupture] Jacob H, et al. **Zentralbl Chir** 1982;107(1):38–41 **(Ger)**

[Tenoplasty with fascia late in spontaneous ruptures of the Achilles tendon] Battaglia L, et al. **Chir Organi Mov** 1979 Mar–Apr;65(2):141–6 **(Ita)**

[The Augustine operation in inveterate lesion of the posterior cruciate ligament of the knee] Roncalli-Benedetti L, et al. **Chir Organi Mov** 1979 Nov–Dec;65(6):663–6 **(Ita)**

[Evaluation of the usefulness of the Stack apparatus] Asarabowski J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(3):227–9 **(Pol)**

[Sutureless reconstruction of the extensor tendon in the mallet finger] Kuś H. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(6):553–6 (Eng. Abstr.) **(Pol)**

[Intratendineous suture in experimental studies] Minta P. **Chir Narzadow Ruchu Ortop Pol** 1981;46(6):547–51 **(Pol)**

[Results of primary suture of the tendons of the flexor muscles of the fingers in children] Dol'nitskiĭ OV, et al. **Ortop Travmatol Protez** 1981 Jan;(1):19–22 (Eng. Abstr.) **(Rus)**

[Tendon injuries in sport activities] Mironova ZS, et al. **Ortop Travmatol Protez** 1981 Jan;(1):22–6 (Eng. Abstr.) **(Rus)**

[Results of early autoplasty of finger flexor tendons in the 'critical' zone] Solomenko AV, et al. **Ortop Travmatol Protez** 1982 Apr;(4):38–9 **(Rus)**

[Treatment of injuries of the tendons of deep finger flexors] Pavliuk-Pavliuchenko LL. **Sov Med** 1982;(4):103–5 **(Rus)**

[The results of treating tendon injuries of the hand in children (author's transl)] Vojtko M, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):155–9 (Eng. Abstr.) **(Slo)**

THERAPY

Clinical, histochemical and biomechanical features in repair of muscle and tendon injuries. Kvist M, et al. **Int J Sports Med** 1982 Feb;3 Suppl 1:12–4

[Conservative treatment of subcutaneous rupture of the extensor tendon to the distal phalanx] Olsen I. **Ugeskr Laeger** 1981 Sep 14;143(38):2437–9 (Eng. Abstr.) **(Dan)**

[Sports injuries of tendons, muscles and their point of insertion] Kluge K, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 15;75(6):264–7 **(Ger)**

[The use of diadynamic currents in minor sports injuries] Tonazzi A, et al. **Arch Putti Chir Organi Mov** 1981; 31:195–205 (Eng. Abstr.) **(Ita)**

TENDON TRANSFER

Reconstruction of the posterior cruciate ligament. Hughston JC, et al. **Clin Orthop** 1982 Apr;(164):59–77

Subluxing biceps tendon in the athlete. O'Donoghue DH. **Clin Orthop** 1982 Apr;(164):26–9

Tendon transfer for intrinsic-muscle paralysis of the thumb in Charcot-Marie Tooth neuropathy. Michelinakis E, et al. **Hand** 1981 Oct;13(3):276–8

Anterior cruciate ligament reconstruction using one-third of the patellar ligament, augmented by extra-articular tendon transfers. Clancy WG Jr, et al. **J Bone Joint Surg [Am]** 1982 Mar;64(3):352–9

The pes anserinus transfer. A long-term follow-up. Freeman BL 3d, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):202–7

Surgery of foot drop in leprosy by tibialis posterior transfer. Malaviya GN. **Lepr India** 1981 Jul;53(3):360–8

[Transfer of hamstrings for quadriceps femoris paralysis: a long-term follow-up of 79 cases (author's transl)] Wu SY. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):452–4 (Eng. Abstr.) **(Chi)**

INSTRUMENTATION

[Evaluation of the usefulness of the Stack apparatus] Asarabowski J. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(3):227–9 **(Pol)**

METHODS

The Evans Ankle stabilization. The author's modification. Lanham RH Jr. **J Am Podiatry Assoc** 1981 Nov; 71(11):639–42

The pes anserinus transfer. A long-term follow-up. Chick RP, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1449–52

Hip adductor transfer compared with adductor tenotomy in cerebral palsy [letter] Goldner JL. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1498

Muscle tendon release and transposition for enhancement of mandibular denture stability. Friedlander AH. **Oral Surg** 1981 Nov;52(5):461–4

Correction of the paralytic claw-thumb by two-tailed transfer of the superficialis tendon through a window in the flexor retinaculum. Srinivasan H. **Plast Reconstr Surg** 1982 Jan;69(1):90–5

[Post-traumatic disinsertions of the terminal brachial biceps tendon. Surgical technique in five cases (author's transl)] Premont M, et al. **J Chir (Paris)** 1982 Jan;119(1):55–64 (Eng. Abstr.) **(Fre)**

[Paralysis of the inner thumb muscles. Treatment by tendon transfer] Tubiana R, et al. **Handchirurgie** 1980; 12(3–4):143–50 (Eng. Abstr.) **(Ger)**

[Opponens plastic surgery using the tendon of the m. extensor indicis] Vossmann H, et al. **Handchirurgie** 1981; 13(1–2):52–5 (Eng. Abstr.) **(Ger)**

[Dynamic muscle-activated ligament surgery using the short peroneal tendon] Schwarzenbach U, et al. **Z Unfallmed Berufskr** 1981;74(1–2):75–80 **(Ger)**

[The treatment of closed Achilles tendon injuries with plantar tendons (author's transl)] Gyulai M. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):255–60 (Eng. Abstr.) **(Hun)**

[Treatment of injuries of the tendons of deep finger flexors] Pavliuk-Pavliuchenko LL. **Sov Med** 1982;(4):103–5 **(Rus)**

TENDONS

Tendon fibromas in 2 horses. Adams SB, et al. **Equine Vet J** 1982 Jan;14(1):95–7

Subcarpal check ligament desmotomy for the treatment of contracted deep flexor tendon in foals. Sønnichsen HV. **Equine Vet J** 1982 Jul;14(3):256–7

Triggering of the finger at the flexor retinaculum. Iqbal QM. **Hand** 1982 Feb;14(1):53–5

Non-tuberculous mycobacterial infection of the tendon sheaths in the hand. A report of six cases. Dixon JH. **J Bone Joint Surg [Br]** 1981;63B(4):542–4

Clear cell sarcoma of extensor tendons of the hand. Andrew TA. **J R Coll Surg Edinb** 1982 Mar;27(2):116–7

Computed tomography in cerebrotendinous xanthomatosis. Berginer VM, et al. **Neurology (NY)** 1981 Nov; 31(11):1463–5

Rupture of the digital flexor tendons of chickens after infection with Mycoplasma iowae. Bradbury JM, et al. **Vet Rec** 1981 Nov 7;109(19):428–9

[Tendinous hyperlipoproteinaemic xanthomatosis associated with supravalvular aortic xanthomatosis (author's transl)] Rouffy J, et al. **Ann Med Interne (Paris)** 1981;132(5):316–8 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of the tension of the long head of the biceps brachii muscle] Battaglia L, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):469–81 (Eng. Abstr.) **(Ita)**

[Angioma of the sheath of the EDC and EPL tendons of the thumb (clinical and diagnostic considerations on a case)] Prosperi L, et al. **Chir Organi Mov** 1981;66(2):267–9 **(Ita)**

[Tuberculosis of the synovial membrane and tendons of the extensor muscles of the hand] Belov VM, et al. **Probl Tuberk** 1982 May;(5):68–9 **(Rus)**

ABNORMALITIES

A troublesome flexor tendon anomaly. Evans DM. **Hand** 1982 Feb;14(1):51–2

Congenital anomaly of the thumb--unusual bifurcation of the flexor pollicis longus and its unusual insertion. Miura T. **J Hand Surg** 1981 Nov;6(6):613–5

Abnormalities in turkey poults following infection with Mycoplasma iowae. Bradbury JM, et al. **Vet Rec** 1982 Jun 12;110(23):559–60

[Anomalies of muscles and tendons in hand and wrist (author's transl)] Verdan C. **Rev Chir Orthop** 1981; 67(3):221–30 (Eng. Abstr.) **(Fre)**

[About three cases of median nerve compression inside the carpal tunnel (author's transl)] Mantero R, et al. **Sem Hop Paris** 1982 Apr 22;58(16):981–3 (Eng. Abstr.) **(Fre)**

[Extra-articular snapping hip] Orlandi S, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):599–602 **(Ita)**

ANALYSIS

Olecranon bursitis related to calcium pyrophosphate dihydrate crystal deposition disease. Gerster JC, et al. **Arthritis Rheum** 1982 Aug;25(8):989–96

Precision method to determine denaturation temperature of collagen using ultraviolet difference spectroscopy. Danielsen CC. **Coll Relat Res** 1982;2(2):143–50

In vitro aging of pyridinoline crosslinks in bone and tendon collagens. Shimizu K, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):789–95

ANATOMY & HISTOLOGY

A comparative study of the surgical anatomy of the tendons of insertions of the extrinsic muscles of the eyeball in different domestic animals. Hifny A, et al. **Anat Histol Embryol** 1982 Mar;11(1):19–26

Further evaluation of the superficial and deep tendons of the human temporalis muscle. Harn SD, et al. **Anat Rec** 1982 Apr;202(4):537–48

The tendon sheaths and synovial bursae of the foot. By Gustav Schwalbe, 1896. Translated by Hartmann. **Foot Ankle** 1981 Mar;1(5):246–69

Extensor hallucis tendons of normal and hallux abducto valgus feet. Schuberth JM, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):125–9

The anatomy of the carpal tendon sheath of the horse. Leach D, et al. **J Anat** 1981 Sep;133(Pt 2):301–7

Detailed anatomy of the extensor mechanism at the proximal aspect of the finger. Schultz RJ, et al. **J Hand Surg** 1981 Sep;6(5):493–8

The role of the lateral canthal tendon in lower eyelid laxity. Ousterhout DK, et al. **Plast Reconstr Surg** 1982 Apr; 69(4):620–3

BLOOD SUPPLY

The vascularity of the flexor pollicis longus tendon. Hergenroeder PT, et al. **Clin Orthop** 1982 Jan–Feb; (162):298–303

Mesotendons of digital flexor muscles and their vasculature. Zbrodowski A, et al. **Hand** 1981 Oct;13(3):231–8

[Blood vessel supply of the flexor sinews (microanatomy) (author's transl)] Scharizer E. **Aktuel Traumatol** 1981 Aug; 11(4):109–13 (Eng. Abstr.) **(Ger)**

[Blood supply of the finger flexor tendons inside the synovial bursa] Zbrodowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):287–93 (Eng. Abstr.) **(Pol)**

CYTOLOGY

Organization of collagen fibers in rat tail tendon at the optical microscope level. Niven H, et al. **Coll Relat Res** 1982; 2(2):131–42

Intrinsic tendon cell proliferation in tissue culture. Becker H, et al. **J Hand Surg** 1981 Nov;6(6):616–9

DRUG EFFECTS

Dimethyl sulfoxide. Biomechanical effects on tendons. Albrechtsen SJ, et al. **Am J Sports Med** 1982 May–Jun; 10(3):177–9

The effect of hydralazine on collagen biosynthesis and secretion in isolated embryonic chick tendon cells. Bashey RI, et al. **Dev Toxicol Environ Sci** 1980;8:647–50

Effect of bioflavonoids on the mechanical & thermal properties of skin & tendon. Rao CN, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):224–8

Long term local cortisol treatment of tendons and the indirect effect on skin. An experimental study in rats. Oxlund H. **Scand J Plast Reconstr Surg** 1982;16(1):61–6

EMBRYOLOGY

Procollagen messenger RNA levels and activity and collagen synthesis during the fetal development of sheep lung, tendon, and skin. Tolstoshev P, et al. **J Biol Chem** 1981 Sep 25;256(18):9672–9

Brown's syndrome – a possible etiology explained embryologically. Sevel D. **J Pediatr Ophthalmol Strabismus** 1981 Sep–Oct;18(5):26–31

ENZYMOLOGY

Cortisol induces (2'–5')oligoadenylate synthetase in cultured chick embryo tendon fibroblasts. Oikarinen J. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):876–81

Evidence for a relative excess of lysyl hydroxylase in chick embryo tendon and cartilage compared with bone and skin.

Puistola U, et al. **Biochim Biophys Acta** 1982 Jul 16; 717(1):118–23

The lactate dehydrogenase activity and isoenzyme pattern of normal and hypokinetic human tendons. Vándor E, et al. **Eur J Applied Physiol** 1982;49(1):63–8

GROWTH & DEVELOPMENT

Age-related changes in the metabolism of tendon cells. Floridi A, et al. **Connect Tissue Res** 1981;9(2):95–7

INNERVATION

Motor unit contractions initiating impulses in a tendon organ in the cat. Gregory JE, et al. **J Physiol (Lond)** 1981; 313:251–62

Facilitation of transmission in Ib pathways by cutaneous afferents from the contralateral foot sole in man. Bergego C, et al. **Neurosci Lett** 1981 Dec 23;27(3):297–301

METABOLISM

Synthesis of type I procollagen: formation of interchain disulfide bonds before complete hydroxylation of the protein. Uitto VJ, et al. **Arch Biochem Biophys** 1981 Sep; 210(2):445–54

Lysosomotropic agents ammonium chloride and chloroquine inhibit both the synthesis and secretion of procollagen by freshly isolated embryonic chick tendon cells. Neblock DS, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):902–8

Effect of prevention of procollagen triple-helix formation on proline 3-hydroxylation in freshly isolated chick-embryo tendon cells. Majamaa K. **Biochem J** 1981 Apr 15;196(1):203–6

Proteoglycan-collagen arrangements in developing rat tail tendon. An electron microscopical and biochemical investigation. Scott JE, et al. **Biochem J** 1981 Jun 1; 195(3):573–81

Dermatan sulphate-rich proteoglycan associates with rat tail-tendon collagen at the d band in the gap region. Scott JE, et al. **Biochem J** 1981 Jul 1;197(1):213–6

The effects of hypoxia on human skin, lung and tendon cells in vitro. Webster DF, et al. **Br J Exp Pathol** 1982 Feb; 63(1):50–5

Characterization of progesterone-independent avidin production of chicken tissues in culture. Nordback I, et al. **Comp Biochem Physiol [A]** 1982;71(3):389–93

Biosynthesis of procollagen [(pro alpha 1 V)2 (pro alpha 2 V)] by chick tendon fibroblasts and procollagen (pro alpha 1 V)3 by hamster lung cell cultures. Fessler LI, et al. **J Biol Chem** 1981 Sep 25;256(18):9646–51

Intracellular collagen fibres in regenerating tendon. Postacchini F, et al. **Ric Clin Lab** 1981 Oct–Dec; 11(4):343–7

[Cerebrotendinous xanthomatosis: long-term treatment with chenodesoxycholic acid (author's transl)] Wolf LM, et al. **Nouv Presse Med** 1982 Mar 6;11(11):855–7 (Eng. Abstr.) **(Fre)**

[Comparison of the metabolism in normal and hypokinetic human tendons] Vándor E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):129–32 (Eng. Abstr.) **(Hun)**

[Palmar aponeurosis collagen in Dupuytren's contracture] Jethon J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):445–8 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Involvement of tendons in inherited diseases. Józsa L, et al. **Acta Paediatr Acad Sci Hung** 1981;22(4):293–8

Hypoxic alterations of tenocytes in degenerative tendinopathy. Józsa L, et al. **Arch Orthop Trauma Surg** 1982;99(4):243–6

Anterior femoral erosion and patello-femoral osteoarthritis. Rose CP, et al. **J Can Assoc Radiol** 1982 Mar;33(1):32–4

Fibroma of tendon sheath. Smith PS, et al. **J Clin Pathol** 1982 Aug;35(8):842–8

Fibroma of tendon sheath. Jablokow VR, et al. **J Surg Oncol** 1982 Feb;19(2):90–2

Equine contraction. Lose MP, et al. **VM SAC** 1981 Jul; 76(7):1023–31

PHYSIOLOGY

Effect of tenotomy and denervation on the early post-exercise glycogen recovery in skeletal muscles of the rat. Stankiewicz-Niczyporowicz J, et al. **Acta Physiol Pol** 1981 Jul–Aug;32(4):449–54

Mechanical properties of tenotomized and denervated-tenotomized muscles. Dasse KA, et al. **Am J Physiol** 1981 Sep;241(3):C150–3

Loss of patellar and Achilles tendon reflexes in classical ballet dancers [letter] Goode DJ, et al. **Arch Neurol** 1982 May; 39(5):323

Mechanical properties of tendons and ligaments. II. The relationships of immobilization and exercise on tissue remodeling. Woo SL, et al. **Biorheology** 1982;19(3):397–408

Mechanical properties of tendons and ligaments. I. Quasi-static and nonlinear viscoelastic properties. Woo SL. **Biorheology** 1982;19(3):385–96

Dynamic viscoelastic behaviour of the human tendon in vitro. Schwerdt H, et al. **J Biomech** 1980;13(11):913–22

Dynamic tensile properties of the plantaris tendon of sheep (Ovis aries). Ker RF. **J Exp Biol** 1981 Aug;93:283–302

Confirmation of differential loading of lateral and central fibers of the extensor tendon. Micks JE, et al. **J Hand Surg** 1981 Sep;6(5):462–7

Role of copper in collagen cross-linking and its influence on selected mechanical properties of chick bone and tendon. Opsahl W, et al. **J Nutr** 1982 Apr;112(4):708–16

[Resistance to traction of the periarticular ligaments and tendons of the knee] Herzberg G, et al. **Bull Assoc Anat (Nancy)** 1981 Mar;65(188):113–8 (Eng. Abstr.) **(Fre)**

[Muscular and tendinous changes induced by extension of superficial masseter aponeurosis] Prospéri O, et al. **Rev Odontostomatol (Paris)** 1982 Jan–Feb;11(1):49–59 **(Fre)**

[Hypothesis of distribution of stresses in the bone-muscle-tendon-ligament system considered as a variable geometry system] Lorini G, et al. **Arch Putti Chir Organi Mov** 1981;31:139–63 (Eng. Abstr.) **(Ita)**

[Studies on regeneration and adhesion of the tendon. Part 7: Influence of the vincula on regeneration of the tendon (author's transl)] Tada K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1707–17 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Thermal stability, mechanical properties and reducible cross-links of rat tail tendon in experimental diabetes. Andreassen TT, et al. **Biochim Biophys Acta** 1981 Oct 12; 677(2):313–7

Effects of early intermittent passive mobilization on healing canine flexor tendons. Gelberman RH, et al. **J Hand Surg** 1982 Mar;7(2):170–5

[Glide-amplitude measurements in the dynamic treatment of flexor tendons] Brüser P, et al. **Handchirurgie** 1981; 13(3–4):189–91 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

A radiographic study of mineralised tendons in the domestic fowl. Hogg DA. **Br Poult Sci** 1981 Nov;22(6):521–4

SURGERY

Tenotomy of the avian anterior latissimus dorsi muscle. I. Effect of age on fiber-type transformation and regeneration from the stump in chicks. Hikida RS, et al. **Am J Anat** 1981 Apr;160(4):395–408

Tenotomy of the avian anterior latissimus dorsi muscle. II. Can regeneration from the stump occur in the pigeon? Hikida RS. **Am J Anat** 1981 Apr;160(4):409–18

Correction of anteriorly displaced medial canthus by tendon retropositioning. Mulliken JB, et al. **Am J Ophthalmol** 1981 Dec;92(6):846–50

The primary repair of digital flexor tendons. Earley MJ, et al. **Br J Plast Surg** 1982 Apr;35(2):133–9

Evolving biologic concepts as applied to tendon surgery. Eiken O, et al. **Clin Plast Surg** 1981 Jan;8(1):1–12

Abductor pollicis longus musculo-tendinous split as a replacement motor for ruptured extensor pollicis longus. Backhouse KM. **Hand** 1981 Oct;13(3):271–5

The effect of ultrasound on flexor tendon repairs in the rabbit. Roberts M, et al. **Hand** 1982 Feb;14(1):17–20

Hip adductor transfer compared with adductor tenotomy in cerebral palsy [letter] Goldner JL. **J Bone Joint Surg [Am]** 1981 Dec;63-A(9):1498

Ulnotriquetral augmentation tenodesis: a reconstructive procedure for dorsal subluxation of the distal radioulnar joint. Hui FC, et al. **J Hand Surg** 1982 May;7(3):230–6

Trapeziometacarpal arthritis-results of tendon interpositional arthroplasty. Menon J, et al. **J Hand Surg** 1981 Sep; 6(5):442–6

Effects of fingers of leprosy patients having surgical removal of sublimus tendons. Reddy NR, et al. **Lepr India** 1981 Oct;53(4):594–9

Changes in membrane structure following tenotomy of the rat soleus muscle. Baker JH, et al. **Muscle Nerve** 1982 Mar; 5(3):222–5

A homemade flexible teflon tendon snare. Kreilein JG, et al. **Plast Reconstr Surg** 1982 Apr;69(4):705–6

[Experimental formation of tendon sheaths from a vein] Bíró V. **Handchirurgie** 1980;12(3–4):193–5 (Eng. Abstr.) **(Ger)**

[Reconstruction of tendon sheaths from veins in the 'no-man's-land' of the hand] Forgon M, et al. **Handchirurgie** 1980;12(3–4):189–91 (Eng. Abstr.) **(Ger)**

[Dynamic splinting in flexor tendon surgery] Mandl H, et al. **Handchirurgie** 1980;12(3–4):201–3 (Eng. Abstr.) **(Ger)**

[Reoperation after surgery of flexor tendons] Nigst H. **Handchirurgie** 1980;12(3–4):155–7 (Eng. Abstr.) **(Ger)**

[Swan-neck deformity] Pampurik E. **Handchirurgie** 1980; 12(3–4):185–7 (Eng. Abstr.) **(Ger)**

[Important aspects of the success of tendolysis] Rupnik J, et al. **Handchirurgie** 1980;12(3–4):175–6 (Eng. Abstr.) **(Ger)**

[Detailed description of the primary flexor tendon suture in the digital canal] Verdan C. **Handchirurgie** 1981; 13(3–4):186–8 **(Ger)**

[Historical development of surgery of the flexor tendons] Verdan C. **Handchirurgie** 1981;13(3–4):181–5 (Eng. Abstr.) **(Ger)**

[Primary flexor tendon suture] Wagner M, et al. **Handchirurgie** 1980;12(3–4):197–200 (Eng. Abstr.) **(Ger)**

[Treatment of the buttonhole phenomenon and similar functional deficiencies] Wilhelm A, et al. **Handchirurgie** 1980;12(3–4):177–84 (Eng. Abstr.) **(Ger)**

[Tendolysis] Wilhelm K. **Handchirurgie** 1980;12(3–4):171–4 (Eng. Abstr.) **(Ger)**

[The flexor tendon suture] Wulle C. **Handchirurgie** 1981; 13(3–4):197–8 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

The treatment of scarring and flexion contracture after operations for injuries to the flexor tendons of the fingers by implantation of a silicone rod and tendon grafting. Sakellarides HT. **Int Orthop** 1981;5(3):225–8

One hundred tendon grafts for isolated flexor digitorum profundus injuries. McClinton MA, et al. **J Hand Surg** 1982 May;7(3):224–9

The synovial cavity as a 'tissue culture in situ'--science or nonsense? Potenza AD, et al. **J Hand Surg** 1982 Mar; 7(2):196–9

Infection following pulp pull-through technique of flexor tendon grafting. Schlenker JD. **J Hand Surg** 1981 Nov; 6(6):550–2

Hemilaryngectomy and vocal cord reconstruction with digastric tendon graft. Park NH, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):253–6

[Autologous tendon transplantation] Lanz U, et al. **Chirurg** 1982 Apr;53(4):201–5 **(Ger)**

[Arthroscopic studies of pedicled autogenic tendon grafts for the replacement of the anterior cruciate ligament] Wentzensen A, et al. **Chirurg** 1982 Apr;53(4):225–8 (Eng. Abstr.) **(Ger)**

[Experimental studies and clinical experiences with homologous tendon grafts preserved with beta-propiolactone] Salamon A, et al. **Handchirurgie** 1980; 12(3–4):207–11 (Eng. Abstr.) **(Ger)**

[Experimental study on grafting of vacuum dried and irradiation sterilized tendon samples (author's transl)] Pellet S, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):44–7 (Eng. Abstr.) **(Hun)**

ULTRASTRUCTURE

Structure and function of the murine muscle-tendon junction. Trotter JA, et al. **Anat Rec** 1981 Oct;201(2):293–302

Variations in collagen fibril structure in tendons. Brodsky B, et al. **Biopolymers** 1982 May;21(5):935–51

Optical second-harmonic scattering in rat-tail tendon. Roth S, et al. **Biopolymers** 1981 Jun;20(6):1271–90

Rupture and disinsertion of the proximal attachment of the adductor longus tendon. Case report with histochemical and ultrastructural study. Ippolito E, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):79–85

Collagen fibrillogenesis in tissues, in a solution and from modeling: a synthesis. Trelstad RL, et al. **J Invest Dermatol** 1982 Jul;79 Suppl 1:109s–112s

Molecular packing in collagen [letter] Hulmes DJ, et al. **Nature** 1981 Sep 17-23;293(5829):239–4

[The pathogenesis of tendolipomatosis (a scanning electron microscopic study) (author's transl)] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):58–62 **(Hun)**

[Scanning electron-microscopic investigation of human tendons (author's transl)] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):123–8 (Eng. Abstr.) **(Hun)**

[Ultrastructure of subcutaneous tendons in rabbit (author's transl)] Montaldo C, et al. **Pathologica** 1981 Jul–Aug; 73(1026):669–776 (Eng. Abstr.) **(Ita)**

[Micro-constructive studies of human digital flexor tendon and tendon sheath--observation by scanning electron microscope and light microscope (author's transl)] Takahashi M. **Nippon Seikeigeka Gakkai Zasshi** 1982 Feb 25;56(2):133–47 (Eng. Abstr.) **(Jpn)**

TENDONS, PARA-ARTICULAR

Primary systemic amyloidosis presenting as extreme hyperlipidaemia with tendon xanthomas. Levy Y, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):699–700

[Rupture of the finger tendons after administration of triamcinolone acetonide (Kenalog A-40)] Jakubik J. **Rozhl Chir** 1981 Dec;60(12):805–11 (Eng. Abstr.) **(Cze)**

[Irreducible shoulder dislocation caused by interposition of the rotator cuff. Apropos of 2 cases] Vichard P, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):113–22 **(Fre)**

ABNORMALITIES

Congenital anomaly of the tendons of the hand. Vicente Guillen P, et al. **Acta Orthop Belg** 1981;47(6):891–5

Supernumerary extensor tendon to the thumb: a report on a rare anatomic variation. Chiu DT. **Plast Reconstr Surg** 1981 Dec;68(6):937–9

ANATOMY & HISTOLOGY

[Dorsal stabilizers of the knee joint and their classification] Bartoníček J, et al. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):436–50 (Eng. Abstr.) **(Cze)**

BLOOD SUPPLY

Anterior cruciate ligament replacement using patellar tendon. An evaluation of graft revascularization in the dog. Arnoczky SP, et al. **J Bone Joint Surg [Am]** 1982 Feb;

64(2):217–24

[Microangiographic study of human flexor tendons on the so called 'No Man's Land' of the hand (author's transl)] Simonka JA, et al.
Magy Traumatol Orthop Helyreallito Sebesz 1981; 24(3):195–202 **(Hun)**

INJURIES

Occult glenohumeral interposition of a torn rotator cuff. A case report. Tietjen R. **J Bone Joint Surg [Am]** 1982 Mar; 64(3):458–9

Fracture of the head of the radius with a tear or avulsion of the triceps tendon. A new syndrome? Levy M, et al. **J Bone Joint Surg [Br]** 1982;64(1):70–2

Subscapular muscle transposition for repair of chronic rotator cuff tears. Cofield RH. **Surg Gynecol Obstet** 1982 May; 154(5):667–72

[Changed viewpoints on flexor tendon injuries of the thumb and fingers] de Boer A, et al. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):361–5 **(Dut)**

[Preoperative prognostic assessment of flexor tendon injuries in the no man's land (author's transl)] Biró V.
Magy Traumatol Orthop Helyreallito Sebesz 1981; 24(2):131–7 (Eng. Abstr.) **(Hun)**

[The treatment of the extensor tendon injuries of the hand (author's transl)] Biró V, et al.
Magy Traumatol Orthop Helyreallito Sebesz 1981; 24(3):203–12 (Eng. Abstr.) **(Hun)**

[Trigger finger after extensor tendon injuries (author's transl)] Zimmermann I, et al.
Magy Traumatol Orthop Helyreallito Sebesz 1981; 24(1):56–7 **(Hun)**

PATHOLOGY

Pronator syndrome due to thickened bicipital aponeurosis. Martinelli P, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):181–2

RADIOGRAPHY

[Osteoid-forming giant cell tumor of the tendon sheath—roentgenology and histology] Nebel G, et al.
Z Rheumatol 1982 May–Jun;41(3):107–8 **(Ger)**

SURGERY

The pes anserinus transfer. A long-term follow-up. Freeman BL 3d, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):202–7

Tendon tethering in the carpal tunnel due to amyloidosis in Bence-Jones myelomatosis. Hallett J.
J Bone Joint Surg [Br] 1982;64(3):357–60

[Results of a muscle-activated M. peroneus brevis graft [author's transl)] Zwipp H, et al. **Aktuel Traumatol** 1981 Oct;11(5):185–91 (Eng. Abstr.) **(Ger)**

[Tendon sutures with a new monofilament synthetic absorbable suture material (PDS-suture of 6–0 strength). Results of animal experiments] Albers W, et al. **Chirurg** 1982 Mar;53(3):168–71 (Eng. Abstr.) **(Ger)**

[Important aspects of the success of tendolysis] Rupnik J, et al. **Handchirurgie** 1980;12(3–4):175–6 (Eng. Abstr.) **(Ger)**

[Reconstruction of flexor tendons of the hand (author's transl)] Geldmacher J. **Zentralbl Chir** 1981;106(6):383–91 (Eng. Abstr.) **(Ger)**

[Slocum procedure in the treatment of chronic anterior-medial instability of the knee joint] Szulc W, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):247–51 **(Pol)**

ULTRASTRUCTURE

Rice bodies in rheumatoid joints [editorial] **Lancet** 1982 Jul 3;2(8288):28

TENEBRIO

ANALYSIS

Purification, composition, and physical properties of a thermal hysteresis 'antifreeze' protein from larvae of the beetle, Tenebrio molitor. Tomchaney AP, et al.
Biochemistry 1982 Feb 16;21(4):716–21

GROWTH & DEVELOPMENT

Effect of commercial processing of canola and rapeseed on growth of larvae of the yellow mealworm, Tenebrio molitor L. Davis GR, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):399–403

METABOLISM

In vitro inactivation of tenebrio molitor corpora allata by a synthetic precocene analog. Bowers WS, et al.
Gen Comp Endocrinol 1982 May;47(1):120–4

Transport of sodium and potassium across the isolated midgut of the larvae of Tenebrio molitor related to the fine structure of the epithelium. Koefoed BM, et al.
J Exp Biol 1982 Jun;98:459–63

ULTRASTRUCTURE

Observations on cytoplasmic transport along ovarian nutritive tubes of polyphagous coleopterans. Stebbings H.
Cell Tissue Res 1981;220(1):153–61

Segmental variations of intercellular junctions in insect Malpighian tubules: a comparative study of two species. Meyran JC. **J Ultrastruct Res** 1982 Apr;79(1):31–46

The specialization of septate junctions in regions of tricellular junctions. II. Pleated septate junctions. Noirot-Timothée C, et al. **J Ultrastruct Res** 1982 Feb;78(2):152–65

TENIPOSIDE see under **PODOPHYLLOTOXIN**

TENNECETIN see **PIMARICIN**

TENNIS see under **SPORTS**

TENNIS ELBOW

[Epicondylalgia] Dumoulin J, et al. **Electrodiagn Ther** 1981; 18(3):119–29 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

[Traumatic calcification of the radial humeral epicondyle (author's transl)] Göblyös P.
Magy Traumatol Orthop Helyreallito Sebesz 1981; 24(1):36–8 **(Hun)**

DIAGNOSIS

[Epicondylalgias (author's transl)] Dumoulin J, et al.
Rev Med Brux 1981 Oct;2(8):751–6 **(Fre)**

DRUG THERAPY

The use of DMSO in tennis elbow and rotator cuff tendonitis: a double-blind study. Percy EC, et al.
Med Sci Sports Exerc 1981;13(4):215–9

OCCURRENCE

Tennis elbow: incidence in local league players. Carroll R.
Br J Sports Med 1981 Dec;15(4):250–6

SURGERY

[Results of a denervating operation in radial and ulnar humeral epicondylitis] Meine J, et al. **Handchirurgie** 1981; 13(3–4):254–9 (Eng. Abstr.) **(Ger)**

[Results of surgical treatment of epicondylitis lateralis humeri (author's transl)] Nollen AJ. **Orthopade** 1981 Sep; 10(4):328–9 **(Ger)**

[The surgical treatment of epicondylitis - follow-up of 100 operated elbows (author's transl)] Kammer G, et al.
Praxis 1981 Nov 24;70(48):2177–9 (Eng. Abstr.) **(Ger)**

[Humeral epicondylitis] Bengert O. **Z Orthop** 1982 Apr; 120(2):209–12 (Eng. Abstr.) **(Ger)**

[Epicondylalgias: a single disease or syndromes with multiple etiopathogenesis?] Baccarani G, et al.
Arch Putti Chir Organi Mov 1980;30:343–50 (15 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

[Cryotherapy of epicondylitis of the shoulder] Babiichuk GA, et al. **Ortop Travmatol Protez** 1981 Nov;(11):41–3 **(Rus)**

TENOSYNOVITIS

CHEMICALLY INDUCED

Tenosynovitis due to incense. Leonard MH. **Clin Orthop** 1982 Aug;(168):214–5

COMPLICATIONS

Hand symptoms associated with diabetes mellitus. An investigation of 765 patients based on a questionnaire. Sturfelt G, et al. **Acta Med Scand** 1981;210(1–2):35–8

[De Quervain's tenosynovitis: a cause of compression of the superficial branch of the radial nerve (letter)] Lagueny A, et al. **Nouv Presse Med** 1981 Aug 29–Sep 5;10(31):2590 **(Fre)**

[Skeletal changes caused by villonodular pigmented tenosynovitis] Bonacina P, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):163–9 **(Ita)**

[Painful shoulder in inflammatory diseases] Surace A, et al.
Chir Organ Mov 1981;66(2):225–35 **(Ita)**

DRUG THERAPY

[Use of ibuprofen cream in ambulatory orthopedic patients. Double-blind comparison with placebo] Gui L, et al.
Clin Ter 1982 May 31;101(4):363–9 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Peroneus longus tenosynovitis. Folan JC.
Br J Sports Med 1981 Dec;15(4):277–9

Reliability of a vibration test in screening for predisposition to tenosynovitis. Kuorinka I, et al.
Eur J Applied Physiol 1981;47(4):365–76

Trigger wrist due to anomalous flexor digitorum profundus muscle in association with fibroma of tendon sheath. Kernohan JG, et al. **Hand** 1982 Feb;14(1):59–60

Spontaneous rupture of flexor tendons of a little finger due to projection of the hook of the hamate. A case report. Okuhara T, et al. **Hand** 1982 Feb;14(1):71–4

[Carpal tunnel syndrome, amyloid tenosynovitis and periodic hemodialysis] Clanet M, et al. **Rev Neurol (Paris)** 1981; 137(10):613–24 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Familial trigger thumb in children. van Genechten F.
Hand 1982 Feb;14(1):56–8

MICROBIOLOGY

Acute gonococcal flexor tenosynovitis- case report and literature review. Ogiela DM, et al. **J Hand Surg** 1981 Sep; 6(5):470–2

[Carpal tunnel syndrome due to mycobacterium bovis BCG (author's transl)] Janier M, et al. **Sem Hop Paris** 1982 Apr 22;58(16):977–9 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[Occupational tenosynovitis and peritendinitis of the arm and hand] Kivi P. **Duodecim** 1981;97(11):729–36 (Eng. Abstr.) **(Fin)**

PATHOLOGY

A variant of pigmented villonodular tenosynovitis. Ridenour JW, et al. **J Foot Surg** 1982 Summer;21(2):122–6

RADIOGRAPHY

Tenography in De Quervain's disease. Engel J, et al.
Hand 1981 Jun;13(2):142–6

SURGERY

Stenosing tenosynovitis of the pseudosheath of the tendo Achilles. Gould N, et al. **Foot Ankle** 1980 Nov;1(3):179–87

Surgical treatment of stenosing tenosynovitis at the ankle. Trevino S, et al. **Foot Ankle** 1981 Jul;2(1):37–45

Reduction flexor tenoplasty. Treatment of stenosing flexor tenosynovitis distal to the first pulley. Seradge H, et al.
J Hand Surg 1981 Nov;6(6):543–4

Stenosing peroneal tenovaginitis. Case reports. Schweitzer GJ. **S Afr Med J** 1982 Apr 3;61(14):521–3

THERAPY

Stenosing tenosynovitis of the flexor hallucis longus tendon at the great toe. Gould N. **Foot Ankle** 1981 Jul;2(1):46–8

Evaluation and treatment of soft tissue lesions of the ankle and forefoot using the Cyriax approach: a case report. Woodman RM, et al. **Phys Ther** 1982 Aug;62(8):1144–7

VETERINARY

Tenosynovitis caused by Pelecitus calamiformis (Nematoda: Filarioidea) in the legs of a parrot. Greve JH, et al.
Avian Dis 1982 Apr–Jun;26(2):431–6

Isolation of viruses from outbreaks of suspected tenosynovitis (viral arthritis) in chickens. Jones RC, et al.
Res Vet Sci 1981 Jul;31(1):100–3

TENSILE STRENGTH

Active muscle force and moment response of the human arm and shoulder. Engin AE, et al.
Aviat Space Environ Med 1981 Sep;52(9):523–30

Effect of repeated sterilization on the breaking strength of synthetic polyfilament suture. Dubin S, et al.
J Am Vet Med Assoc 1981 Jun 1;178(11):1162

The tensile properties of single osteonic lamellae: technical problems and preliminary results. Ascenzi A, et al.
J Biomech 1982;15(1):29–37

DRUG EFFECTS

A study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviour of bovine pericardium. van Noort R, et al. **Biomaterials** 1982 Jan;3(1):21–6

TENSOR TYMPANI see under **TYMPANIC MEMBRANE**

TENUAZONIC ACID see under **ANTIBIOTICS, ANTINEOPLASTIC**

TEPA see under **AZIRINES**

TEPROTIDE see under **OLIGOPEPTIDES**

TERATOGENS

see related
ABNORMALITIES, DRUG-INDUCED

Teratogenicity testing of Parathion 20 WP, Methylparathion 18 WP and Wofatox 50 EC in Japanese quail embryos by egg immersion technique. Várnagy L.
Acta Vet Acad Sci Hung 1981;29(1):85–90

Teratological examination of agricultural pesticides on Japanese quail (Coturnix coturnix japonica) eggs. Várnagy L. **Acta Vet Acad Sci Hung** 1981;29(1):77–83

Metabolism and genotoxicity of styrene. Vainio H, et al.
Adv Exp Med Biol 1981;136 Pt A:257–74

Embryotoxicity of 3,3',4,4'-tetrachloroazobenzene and 3,3',4,4'-tetrachloroazoxybenzene in the chick embryo. Schrankel KR, et al. **Arch Environ Contam Toxicol** 1982; 11(2):195–202

The teratogenicity of cyproheptadine in two generations of Wistar rats. de la Fuente M, et al.
Arch Int Pharmacodyn Ther 1982 May;257(1):168–76

Toxicological studies of plafibride. Part 3: Study of

teratogenic activity in rats and rabbits. Sanfeliu C, et al. **Arzneimittelforsch** 1981;31(10a):1831–4
Teratology and reproduction studies of azelastine, a novel antiallergic agent, in rats and rabbits. Suzuki Y, et al. **Arzneimittelforsch** 1981;31(8):1225–30
Teratogenic hearing loss. Barr B. **Audiology** 1982; 21(2):111–27
Foetotoxicity of cadmium in Quackenbush strain mice and the effects of the metal on uterine alkaline phosphatase during pseudopregnancy. Murdoch RN, et al. **Aust J Biol Sci** 1981;34(3):305–12
Teratogenic effects of cholinergic insecticides in chick embryos—II. Effects on the NAD content of early embryos. Kitos PA, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2225–35
An assessment of the teratogenicity in the rat and mutagenicity in Salmonella of mono-2-ethylhexyl phthalate. Ruddick JA, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):181–6
Carcinogenic, mutagenic, teratogenic workshop. Suit H, et al. **Cancer Clin Trials** 1981;4 Suppl:37–41
Comparison of the mutagenicity and teratogenicity of cyclophosphamide and its active metabolites, 4-hydroxycyclophosphamide, phosphoramide mustard, and acrolein. Hales BF. **Cancer Res** 1982 Aug;42(8):3016–21
DES-related vaginal lesions. Ostergard DR. **Clin Obstet Gynecol** 1981 Jun;24(2):379–94
Teratogenic effects of vitamin A palmitate in Fischer 344 rats. Hayes WC, et al. **Drug Chem Toxicol** 1981;4(3):283–95
Teratogenesis: a review of the basic principles with a discussion of selected agents: Part III. Hays DP. **Drug Intell Clin Pharm** 1981 Sep;15(9):639–40 (537 ref.)
Reproductive inhibition caused by the anti-inflammatory analgesic benzydamine in the rat. Mankes R, et al. **Ecotoxicol Environ Safety** 1981 Sep;5(3):307–15
Aspirin-induced teratogenesis: a unique pattern of cell death and subsequent polydactyly in the rat. Klein KL, et al. **J Exp Zool** 1981 Apr;216(1):107–12
Teratogenic evaluation of epichlorohydrin in the mouse and rat and glycidol in the mouse. Marks TA, et al. **J Toxicol Environ Health** 1982 Jan;9(1):87–96
Teratogenicity of a commercial xylene mixture in the mouse. Marks TA, et al. **J Toxicol Environ Health** 1982 Jan; 9(1):97–105
Evaluation of teratogenicity and neurotoxicity with maternal inhalation exposure to methyl chloroform. York RG, et al. **J Toxicol Environ Health** 1982 Feb;9(2):251–66
Do teratogenicity tests serve their objectives? [letter] Larsson KS, et al. **Lancet** 1982 Aug 21;2(8295):439
Comparative study of the teratogenic effects of chlordiazepoxide and diazepam in the fetal hamster. Gill TS, et al. **Life Sci** 1981 Nov 23;29(21):2141–7
A new model for embryotoxicity testing: teratogenicity and pharmacokinetics of valproic acid following constant-rate administration in the mouse using human therapeutic drug and metabolite concentrations. Nau H, et al. **Life Sci** 1981 Dec 28;29(26):2803–14
Somatic and teratogenic effects induced by heliotrine in Drosophila. Brink NG. **Mutat Res** 1982 Apr; 104(1–3):105–11
International Commission for Protection against Environmental Mutagens and Carcinogens. ICPEMC working paper TG1/2/79. Mutagenicity and teratogenicity of vinyl chloride monomer (VCM): epidemiological evidence. Clemmesen J. **Mutat Res** 1982 Jan;98(1):97–100 (8 ref.)
Carcinogenicity, mutagenicity and teratogenicity of nickel. Léonard A, et al. **Mutat Res** 1981 Jul;87(1):1–15 (132 ref.)
Safe as 2, 4, 5-T? [letter] Thomas HF, et al. **Nature** 1982 Jan 28;295(5847):276
Prenatal interactions between ethanol and the industrial solvent 2-ethoxyethanol in rats: maternal and behavioral teratogenic effects. Nelson BK, et al. **Neurobehav Toxicol Teratol** 1982 May-Jun;4(3):387–94
Alterations induced by Nesdonal and Revrin on the heptic and nervous tissues of chick embryo. Farid M. **Pediatr Pharmacol (New York)** 1981;1(4):357–64
Quantitative correspondence between the in vivo and in vitro activity of teratogenic agents. Braun AG, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2056–60
Circadian system and teratogenicity of cytostatic drugs. Sauerbier I. **Prog Clin Biol Res** 1981;59C(00):143–9
Teratogenic effects of prostaglandin E2 in hamsters. Hilbelink DR, et al. **Prog Lipid Res** 1981;20:241–2
Toxic effects of ethanol on the chicken embryo. Koda LY, et al. **Subst Alcohol Actions Misuse** 1980;1(4):345–50
Teratogenicity and embryotoxicity of nickel carbonyl in Syrian hamsters. Sunderman FW Jr, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):223–33
Effect of prenatal phenytoin administration on postnatal development of the rat: a behavioral teratology study. Elmazar MM, et al. **Teratology** 1981 Oct;24(2):115–24
Teratogens associated with congenital contractures in humans and in animals. Hall JG, et al. **Teratology** 1982 Apr;25(2):173–91
Effects of pretreatment with SKF-525A, N-Methyl-2-thioimidazole, sodium phenobarbital, or methyl cholanthrene on ethylenethiourea-induced teratogenicity in rats. Khera KS, et al. **Teratology** 1981 Oct;24(2):131–7
Comparative studies on acetazolamide teratogenesis in pregnant rats, rabbits, and rhesus monkeys. Scott WJ, et al. **Teratology** 1981 Aug;24(1):37–42
Polydactyly and polysyndactyly induced by prenatal exposure to ethanol. West JR, et al. **Teratology** 1981 Aug; 24(1):13–8
Immunological effects of antitestis antisera on the development of mouse fetuses. Yamamoto M, et al. **Teratology** 1981 Aug;24(1):53–63
Teratogenic evaluation of 1,4-dichlorobutene-2 in the rat following inhalation exposure. Kennedy GL Jr, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):125–30
Teratological evaluation of inhaled ethyl acrylate in rats. Murray JS, et al. **Toxicol Appl Pharmacol** 1981 Aug; 60(1):106–11
Potassium loss as a causative factor for skeletal malformations in rats produced by indacrinone: a new investigational loop diuretic. Robertson RT, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):142–50
Teratogenesis studies with EDTA and its salts in rats. Schardein JL, et al. **Toxicol Appl Pharmacol** 1981 Dec; 61(3):423–8
An embryotoxicity study in Macaca fascicularis with cefotetan disodium (a cephamycin antibiotic). Allen DG, et al. **Toxicol Lett** 1982 Apr;11(1-2):43–7
TCDD embryotoxicity in the mouse may be enhanced by beta-naphthoflavone, another ligand of the Ah-receptor. Hassoun EM, et al. **Toxicol Lett** 1982 Jul;12(2-3):191–8
Studies on the teratogenic effects of different oral preparations of caffeine in mice. Elmazar MM, et al. **Toxicology** 1982;23(1):57–71
Thalidomide-like malformations caused by Tween surfactant in mice. Kocher-Becker U, et al. **Z Naturforsch [C]** 1981 Sep-Oct;36(9-10):904–6
[Embryotoxicity as a part of environmental risk (author's transl)] Jelínek R, et al. **Cas Lek Cesk** 1981 Oct 29; 120(43):1299–1304 (Eng. Abstr.) **(Cze)**
[Population teratology and its part in chemical teratogenesis risk assessment (author's transl)] Kučera J. **Cas Lek Cesk** 1981 Oct 29;120(43):1318–21 (Eng. Abstr.) **(Cze)**
[Consequences of perinatal damage to organism development (author's transl)] Pavlík A, et al. **Cas Lek Cesk** 1981 Oct 29;120(43):1313–8 (Eng. Abstr.) **(Cze)**
[Estimation of the teratogenic risk associated with the taking of drugs at the beginning of pregnancy] Goujard J. **Acquis Med Recent** 1981;198:157–71 **(Fre)**
[Periodic arthralgia: teratogenicity of colchicine and its influence on pregnancy and sterility (author's transl)] Ghozlan R, et al. **Ann Med Interne (Paris)** 1981; 132(7):493–5 (Eng. Abstr.) **(Fre)**
[Teratogenic effect of cadmium acetate of chick embryo development at various pHs] Schowing J. **C R Seances Acad Sci [III]** 1981 Dec 21;293(15):847–52 (Eng. Abstr.) **(Fre)**
[Children born of leukemic parents. Apropos of 23 children] Marradi P, et al. **Nouv Rev Fr Hematol** 1982;24(2):75–80 (Eng. Abstr.) **(Fre)**
[Antituberculous drugs and pregnancy (author's transl)] Mulliez N, et al. **Therapie** 1981 Sep-Oct;36(5):503–10 (60 ref.) (Eng. Abstr.) **(Fre)**
[Comparison of the effectiveness of various methods of testing drugs for embryotoxicity] Puchkov VF, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):104–10 (Eng. Abstr.) **(Rus)**
[Embryotoxic effect of ethanol and its biotransformation products in cultures of postimplantation rat embryos] Popov VB, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):725–8 (Eng. Abstr.) **(Rus)**
[Effect of ethyl alcohol, nicotine, and both combined on certain parameters of chick embryo development] Sonin BV. **Farmakol Toksikol** 1981 May-Jun;44(3):347–53 (Eng. Abstr.) **(Rus)**
[Teratogenic effect of the pesticide preparation metathion] Rashev Z, et al. **Vet Med Nauki** 1982;19(1):79–89 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Teratogenic and embryotoxic properties of drugs and alcohol] Skosyreva AM. **Farmakol Toksikol** 1982 Jan-Feb; 45(1):83–6 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Amelioration of teratogenesis. I. Modification of hydroxyurea-induced teratogenesis by the antioxidant propyl gallate. DeSesso JM. **Teratology** 1981 Aug; 24(1):19–35

METABOLISM

Chloroform: a review of its metabolism, teratogenic, mutagenic, and carcinogenic potential. Davidson IW, et al. **Drug Chem Toxicol** 1982;5(1):1–87 (162 ref.)
Modification of the mutagenicity and teratogenicity of cyclophosphamide in rats with inducers of the cytochromes P-450. Hales BF. **Teratology** 1981 Aug;24(1):1–11

PHARMACODYNAMICS

Polyploidy and aneuploidy induced by colcemid in Drosophila melanogaster. Held LI Jr. **Mutat Res** 1982 May; 94(1):87–101
Teratogenic activity of a hydrolytic thalidomide metabolite in mice. Kocher-Becker U, et al. **Naturwissenschaften** 1982 Apr;69(4):191–2
Dose-response studies with genetically homogeneous lines of mice as a teratology testing and risk-assessment procedure. Kalter H. **Teratology** 1981 Aug;24(1):79–86
[Tetrahymena pyriformis GL: a test system with multiple possibilities in the screening of genotoxic substances] Lakhanisky T, et al. **Arch Belg Med Soc** 1981 Jan; 39(1):40–54 (Eng. Abstr.) **(Fre)**
[Teratogenic damage of the central nervous system during progressing embryogenesis] Wendler D. **Gegenbaurs Morphol Jahrb** 1981;127(5):641–8 (Eng. Abstr.) **(Ger)**
[Lysosome membrane permeability and chemical teratogens] Bariliak IR, et al. **Ukr Biokhim Zh** 1981 Jul-Aug; 53(4):88–92 (Eng. Abstr.) **(Rus)**

TOXICITY

Testing of selected workplace chemicals for teratogenic potential. Hardin BD, et al. **Scand J Work Environ Health** 1981;7 Suppl 4:66–75
The relative teratogenic index and teratogenic potency: proposed components of developmental toxicity risk assessment. Fabro S, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):61–76
In vitro testing of teratogenic agents using mammalian embryos. Kochhar DM. **Teratogenesis Carcinog Mutagen** 1980;1(1):63–74 (35 ref.)
Estimation of creatine phosphokinase and hydroxyproline in the developing limb: its use in evaluating the effect of teratogens on myogenesis and chondrogenesis. Kwasigroch TE, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):181–91
The role of inhibited cell-cell communication in teratogenesis. Trosko JE, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):31–45
[Current prospects of experimental drug embryotoxicity risk assessment (author's transl)] Jelínek R, et al. **Cas Lek Cesk** 1981 Oct 29;120(43):1309–12 (Eng. Abstr.) **(Cze)**
[Time periods for the realization of the embryotoxic action of cyclophosphamide and chloridin in vivo and in vitro] Popov VB. **Farmakol Toksikol** 1982 Jan-Feb;45(1):79–83 (Eng. Abstr.) **(Rus)**

TERATOID TUMOR see **TERATOMA**

TERATOMA

Cell-cycle characteristics of undifferentiated and differentiating embryonal carcinoma cells. Rosenstraus MJ, et al. **Dev Biol** 1982 Feb;89(2):516–20
Mouse egg cylinders developed in vitro may form benign and malignant teratoid tumors. Wu TC, et al. **Experientia** 1982 Jan 15;38(1):128–9
Duplicated inferior vena cava misinterpreted by computerized tomography as metastatic retroperitoneal testicular tumor. Cohen SI, et al. **J Urol** 1982 Aug; 128(2):389–91
Testicular tumors of germ cell origin. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):125–7, 130–1
Testicular tumors of germ cell origin. 1. Epidemiology, pathogenesis, clinical presentation, and diagnosis. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):114–21
Specific high-affinity binding of 125I-labeled mouse interferon to interfevon resistant embryonal carcinoma cells in vitro. Aguet M, et al. **Virology** 1981 Oct 30;114(2):585–8
[Voluminous sacro-coccygeal teratoma in a fetus in the 7th month of pregnancy] Adinolfi G, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):339–50 **(Ita)**
[Non-trophoblastic tumors of the placenta. I. Primary tumors] Castaldo F, et al. **Recenti Prog Med** 1981 May; 70(5):445–56 (85 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

A fucan specific lectin on teratocarcinoma stem cells. Grabel LB, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1165–71
Cell-associated glycosaminoglycans of human teratocarcinoma-derived cells of line PA 1. Rasilo ML, et al. **Eur J Biochem** 1982 Apr 1;123(2):397–405
Analysis of linkage monosaccharides in human teratocarcinoma cell glycopeptides: paper chromatographic separation of N-acetylglucosaminitol and N-acetylgalactosaminitol. Rasilo ML, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jan;363(1):89–93
Identification of mRNA species that code for extra-embryonic endodermal cytoskeletal proteins in differentiated derivatives of murine embryonal carcinoma cells. Tabor JM, et al. **J Biol Chem** 1982 Aug 10; 257(15):8771–4
Cellular localization of AFP, hCG and its free subunits, and SP1 in embryonal carcinoma of the testis and ovary. Furumoto M. **Pathol Res Pract** 1981 Dec;173(1-2):12–21

BLOOD

alpha-Fetoprotein (AFP), human chorionic gonadotropin (HCG), and carcinoembryonic antigen (CEA) demonstrated in the immature glands of mediastinal teratocarcinoma: a case report. Irie T, et al. **Cancer** 1982 Sep 15;50(6):1160–5
Alphafetoprotein in mixed germ cell tumour (seminoma and embryonal carcinoma) of testis-a case report. Deshpande

AD, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):205–8

Pregnancy specific beta 1 glycoprotein: a comparison of analysis by radioimmunoassay and enzyme linked immunosorbent assay observations on patients with malignant teratoma of testis. Pledger DR, et al. **J Clin Chem Clin Biochem** 1981 Sep;19(9):943–6

Tumor markers in patients with non-seminomatous germ cell tumors of the testis. Willemse PH, et al. **Oncodev Biol Med** 1981;2(1–2):117–28

COMPLICATIONS

Delivery obstructed by sacrococcygeal teratoma. Tanaree P. **Am J Obstet Gynecol** 1982 Jan 15;142(2):239

Benign solid teratoma of the ovary with rupture into the rectum. Farkouh E, et al. **Can J Surg** 1982 Jan;25(1):77–8

Testicular tumours in maldescended testes. Fonger JD, et al. **Can J Surg** 1981 Jul;24(4):353–5

Acute leukemia following a malignant teratoma in a child with Klinefelter's syndrome: case report and review of secondary leukemias in children following treatment of a primary neoplasm. Penchansky L, et al. **Cancer** 1982 Aug 15;50(4):684–9

Spontaneous retroperitoneal hemorrhage: a case report. Block M, et al. **J Surg Oncol** 1982 Sep;21(1):27–9

Partial trisomy 21 with retroperitoneal teratoma following a balanced translocation t(14; 21) (p11; q21) in two successive generations. Georműneanu C, et al. **Neurol Psychiatr (Bucur)** 1981 Apr–Jun;19(2):135–42

Teratoma of testis and hyperthyroidism. Stromberg P, et al. **Scott Med J** 1981 Oct;26(4):346–7

[Acute cardiac tamponade due to mature mediastinal teratoma penetrating into the pericardium (author's transl)] Fujino S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep;18(9):649–53 (Eng. Abstr.) **(Jpn)**

[A case of Down's syndrome complicated by teratoma of the third ventricle of the brain (author's transl)] Nakato H, et al. **No To Shinkei** 1982 Feb;34(2):145–50 (Eng. Abstr.) **(Jpn)**

[Retroperitoneal teratoma with infiltration of the stomach and pancreas in complete situs inversus] Lar'kin NIa, et al. **Khirurgiia (Mosk)** 1982 May;5:110–1 **(Rus)**

CONGENITAL

Teratoma of the neck in a newborn infant—a case report. Suita S, et al. **Z Kinderchir** 1982 Jan;35(1):9–11

[Intracranial teratomas in newborn infants (2 rare cases)] Massari A, et al. **Riv Neurobiol** 1980 Jul–Sep;26(3):308–18 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Benign intracranial teratoma--prenatal diagnosis influencing early delivery. Paes BA, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):600–1

Accuracy of preoperative staging in stages A and B nonseminomatous germ cell testis tumors. Rowland RG, et al. **J Urol** 1982 Apr;127(4):718–20

Ultrasonic demonstration in utero of an intracranial teratoma. Crade M. **JAMA** 1982 Feb 26;247(8):1173

Real-time echocardiographic features of intrapericardial teratoma. Farooki ZQ, et al. **JCU** 1982 Mar;10(3):125–8

Prenatal diagnosis of sacrococcygeal teratoma: an anechoic caudal mass. Seeds JW, et al. **JCU** 1982 Apr;10(4):193–5

Pineal Tumors: clinical diagnosis, with special emphasis on the significance of pineal calcification. Chang CG, et al. **Neurosurgery** 1981 Jun;8(6):656–68

Teratoma of the neck in a newborn infant - a case report. Suita S, et al. **Z Kinderchir** 1981 Aug;33(4):355–8

[Hydrocele of the testis - mature testicular teratoma in children. Differential diagnostic considerations] Hansen SL, et al. **Ugeskr Laeger** 1981 Jun 8;143(24):1538–9 (Eng. Abstr.) **(Dan)**

[Prenatal diagnosis of a coccygeal teratoma with hypertrophy of the placenta (author's transl)] Feige A, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):20–4 (Eng. Abstr.) **(Ger)**

[Teratoid tumor of the sacrococcygeal region in children] Woźniak W. **Pediatr Pol** 1981 Aug;56(8):975–80 (26 ref.) **(Pol)**

[Multiple nasopharyngeal teratomas in a newborn infant] Burenkov GI, et al. **Vestn Otorinolaringol** 1981 Nov–Dec; (6):63 **(Rus)**

[Echographic prenatal diagnosis of sacrococcygeal teratoma] Cádiz H, et al. **Rev Chil Obstet Ginecol** 1980;45(4):222–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Gynecomastia after cytotoxic therapy for metastatic testicular cancer. Turner AR, et al. **Arch Intern Med** 1982 May;142(5):896–7

Significant factors in the optimal management of advanced stage germ cell carcinoma. Levi JA, et al. **Aust NZ J Med** 1982 Apr;12(2):147–52

Clinical results and pharmacokinetics of high-dose cytosine arabinoside (HD ARA-C). Breithaupt H, et al. **Cancer** 1982 Oct 1;50(7):1248–57

VAB-3 combination chemotherapy of metastatic testicular cancer. Reynolds TF, et al. **Cancer** 1981 Aug 15; 48(4):888–98

Treatment experience with nonseminomatous testicular cancer in patients with stage II and stage III disease. Taylor HG, et al. **Cancer** 1981 Sep 1;48(5):1110–5

Reversal of recurrent laryngeal nerve palsy following VP16-213 combination therapy in a patient with metastatic teratoma of the testis. Rubery ED. **Cancer Chemother Pharmacol** 1982;7(2–3):219–21

Increased renal kallikrein excretion in SIADH after vincristine therapy. Tomita M, et al. **Endocrinol Jpn** 1981 Oct;28(5):637–41

Transient rise in tumor marker after initial adjuvant chemotherapy for testicular cancer. Wolf DJ, et al. **Urology** 1982 Jul;20(1):50–2

[Individualized interval shortening in the chemotherapeutic induction treatment of solid tumors (author's transl)] Seeber S, et al. **Dtsch Med Wochenschr** 1981 Dec 25; 106(51–52):1741–4 (Eng. Abstr.) **(Ger)**

[Preliminary evaluation of cisplatin in the treatment of malignant testicular neoplasms other than seminomas] Madej G, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):967–70 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

Sacro-coccygeal teratoma with acute hydramnios. Hallgrimsson JT. **Acta Obstet Gynecol Scand** 1981; 60(5):517–8

Malignant cervical teratoma of the fetus. Shoenfeld A, et al. **Acta Obstet Gynecol Scand** 1982;61(1):7–12

ENZYMOLOGY

Effect of retinoic acid treatment of F9 embryonal carcinoma cells on the activity and distribution of cyclic AMP-dependent protein kinase. Plet A, et al. **J Biol Chem** 1982 Jan 25;257(2):889–93

Evidence that galactosyltransferase is a surface receptor for poly(N)-acetyllactosamine glycoconjugates on embryonal carcinoma cells. Shur BD. **J Biol Chem** 1982 Jun 25; 257(12):6871–8

Alterations in calcitonin and parathyroid hormone responsiveness of adenylate cyclase in F9 embryonal carcinoma cells treated with retinoic acid and dibutyryl cyclic AMP. Evain D, et al. **J Cell Physiol** 1981 Dec; 109(3):453–9

ETIOLOGY

Pre-natal factors in the origin of germ cell tumours of childhood. Birch JM, et al. **Carcinogenesis** 1982;3(1):75–80

Testicular cancer in a Russell-Silver dwarf. Weiss GR, et al. **J Urol** 1981 Dec;126(6):836–7

FAMILIAL & GENETIC

Constitutive heterochromatin (C-banding) studies in patients with testicular malignancies. Robson MK, et al. **Cancer Genet Cytogenet** 1981 Dec;4(4):319–23

Isolation of male embryonal carcinoma cells and their chromosome replication patterns. McBurney MW, et al. **Dev Biol** 1982 Feb;89(2):503–8

Teratocarcinoma transplantation rejection loci: genetic localization of the Gt-1 locus on chromosome 17 and the expression of alternate alleles. Levine AJ, et al. **Immunogenetics** 1981;13(5):405–12

Embryo-derived teratocarcinoma. III. Development of tumors from teratocarcinoma-permissive and non-permissive strain embryos transplanted to F1 hybrids. Solter D, et al. **Int J Cancer** 1981 Oct 15;28(4):479–83

Genetics of teratocarcinoma transplantation. III. Genetic control of resistance to F9 tumor formation in allogeneic hosts. Avner P, et al. **J Reprod Immunol** 1982 Feb;4(1):31–7

Maternally transmitted factors modify development and malignancy of teratomas in mice. Damjanov I, et al. **Nature** 1982 Mar 4;296(5852):95–6

Absence of significant H-2 and beta 2-microglobulin mRNA expression by mouse embryonal carcinoma cells. Morello D, et al. **Nature** 1982 Mar 18;296(5854):260–2

Malignant testicular tumours in non-twin brothers. Finan PJ. **Postgrad Med J** 1981 Jul;57(669):469

HISTORY

History of tumors of the pineal region. Borit A. **Am J Surg Pathol** 1981 Sep;5(6):613–20

IMMUNOLOGY

Immunologic recognition of cell surface antigens in normal mouse neural tissues and in neuroepithelial cells of the OTT-6050 mouse teratoma. A radiometric, gel electrophoretic and morphologic (immunofluorescence and immunoperoxidase) study. Ramsay PB, et al. **Acta Neuropathol (Berl)** 1982;56(3):214–24

Reactivity in the MEM-test of cancer patients' lymphocytes incubated with brain-derived preparations and extracts from malignant teratomas. Müller M, et al. **Arch Geschwulstforsch** 1981;51(4):354–63

New carbohydrate antigen found in large glycopeptides of teratocarcinoma cells. Ozawa M, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):495–501

Circulating immune complexes as markers of response to chemotherapy in malignant teratomas and gestational trophoblastic tumours. Begent RH, et al. **Br J Cancer** 1982 Feb;45(2):217–22

Cellular distribution of monoclonal antibody in human tumours after i.v. administration. Moshakis V, et al. **Br J Cancer** 1981 Nov;44(5):663–9

Localisation of malignant germ-cell tumours [letter] Moshakis V, et al. **Br Med J [Clin Res]** 1982 Feb 6; 284(6313):418

HLA antigens in patients with germ cell cancers of the testis. Pollack MS, et al. **Cancer Res** 1982 Jun;42(6):2470–3

Mixed lymphocyte reactivity in spleen cells from F-9 tumor-bearing ice. I. Suppressor cell induction and characterization. Bluestone JA, et al. **Cell Immunol** 1981 Aug;62(2):334–40

Mixed lymphocyte reactivity in spleen cells from F-9 tumor-bearing mice. II. Functional cross-reactivity between F-9 cells and testicular cells. Hurtenbach U, et al. **Cell Immunol** 1981 Aug;62(2):341–9

A new glycoprotein antigen common to teratocarcinoma, visceral endoderm, and renal tubular brush border. Ozawa M, et al. **Dev Biol** 1982 Jun;91(2):351–9

Receptors to Dolichos biflorus agglutinin. A new cell surface marker common to teratocarcinoma cells and preimplantation mouse embryos. Fujimoto H, et al. **Differentiation** 1982;22(1):59–61

Immunological properties of rat embryonal carcinoma cells. Park B, et al. **Eur J Cancer** 1981 Jun;17(6):609–16

Immunogenic cell variants of a mouse teratocarcinoma confer a protection against the original non-immunogenic transplantable tumor. Georlette M, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1083–7

Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. Fox N, et al. **Exp Cell Res** 1982 Feb;137(2):485–8

Strong teratocarcinoma transplantation loci, Gt-1 and Gt-2, flank H-2. Shedlovsky A, et al. **Immunogenetics** 1981; 13(5):413–9

Cell-surface antigens of a clonal human embryonal carcinoma cell line: morphological and antigenic differentiation in culture. Andrews PW, et al. **Int J Cancer** 1982 May 15;29(5):523–31

Murine embryonal carcinoma cells: universal targets for mammalian NK cells? Stern P, et al. **Int J Cancer** 1981 May 15;27(5):679–88

Neutral glycolipid antigens as developmental markers of mouse teratocarcinoma and early embryos: an immunologic and chemical analysis. Willison KR, et al. **J Immunol** 1982 Aug;129(2):603–9

Modulation of the immune response to teratocarcinoma in mice sensitized by sperm antigens. Teodorczyk-Injeyan JA, et al. **J Reprod Immunol** 1982 May;4(2):67–78

Human antibodies recognizing the envelope glycoprotein of the baboon endogenous virus BaEV are of heterophil origin. Wernicke D, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):135–43

A new fucosyl antigen expressed on colon adenocarcinoma and embryonal carcinoma cells. Miyauchi T, et al. **Nature** 1982 Sep 9;299(5879):168–9

Surface antigen (S) common to rat and mouse embryonal carcinoma cells and to pre-implantation embryos. Park B, et al. **Oncodev Biol Med** 1981;2(1–2):39–53

Immunoglobulin allotypes and nonseminoma testicular cancer. Ockhuizen T, et al. **Oncology** 1982 May-Jun; 39(3):152–5

H-2 antigen expression on teratocarcinoma cells passaged in genetically resistant mice is regulated by lymphoid cells. Ostrand-Rosenberg S, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7106–10

A human cell-surface antigen defined by a monoclonal antibody and controlled by a gene on chromosome 12. Andrews PW, et al. **Somatic Cell Genet** 1981 Jul; 7(4):435–43

Reexpression of a T/t-complex antigen (t12) in thymocyte x embryonal carcinoma cell hybrids. Artzt K, et al. **Somatic Cell Genet** 1981 Jul;7(4):423–34

The expression of MHC antigens by human teratocarcinoma derived cell lines. Andrews PW, et al. **Tissue Antigens** 1981 May;17(5):493–500

[Cellular and humoral immunity in patients with benign tumors and tumor-like formations of ovaries] Selezneva ND, et al. **Sov Med** 1982;(4):37–41 (Eng. Abstr.) **(Rus)**

[Immunohematologic indices in teratoblastomas of the tongue] Orel NF. **Vopr Onkol** 1982;28(8):77–80 **(Rus)**

METABOLISM

Localisation of alphafetoprotein (AFP) in murine teratocarcinoma. Trojan J, et al. **Biomedicine** 1981 Dec; 34(3):140–6

AFP in yolk sac tumor and solid teratoma of the ovary: significance of postoperative serum AFP. Ishiguro T, et al. **Cancer** 1981 Dec 1;48(11):2480–4

Biochemical properties of the high-molecular-weight glycopeptides released from the cell surface of human teratocarcinoma cells. Muramatsu H, et al. **Cancer Res** 1982 May;42(5):1749–52

Stimulation of retinoic acid of synthesis and turnover of basement membrane in mouse embryonal carcinoma-derived endoderm cells. Salomon DS, et al. **Coll Relat Res** 1982;2(2):93–110

The location and synthesis of transferrin in mouse embryos and teratocarcinoma cells. Adamson ED. **Dev Biol** 1982 Jun;91(2):227–34

Quantitative changes in the expression of histone H1 and H2B subtypes and their relationship to the differentiation of mouse embryonal carcinoma cells. Ajiro K, et al. **Dev Biol** 1981 Aug;86(1):206–11

The H1 histones and their interphase phosphorylated states

in differentiated and undifferentiated cell lines derived from murine teratocarcinomas. Lennox RW, et al. **J Biol Chem** 1982 May 10;257(9):5183–9

Progesterone synthesis, secretion and metabolism by human teratoma-derived cell-lines. O'Hare MJ, et al. **Steroids** 1981 Dec;38(6):719–37

MICROBIOLOGY

Polyoma virus mutants as probes of variety among mouse embryonal carcinoma cell lines. Georges E, et al. **Differentiation** 1982;22(1):62–5

Retrovirus particle production in three of four human teratocarcinoma cell lines. Löwer J, et al. **Hamatol Bluttransfus** 1981;26:541–4

Productive infection of embryonal carcinoma cells with ecotropic mouse type C viruses and subsequent arrest of differentiation. Levy JA, et al. **Virology** 1982 Jul 15; 120(1):157–70

MORTALITY

Long-term disease-free survival in immature teratoma of the ovary. Dara P, et al. **Cancer** 1982 Jul 1;50(1):159–62

OCCURRENCE

Teratomas in adult Nigerians. Mabogunje OA, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):151–8

Major H-2 and non-H-2 differences between parental strains prevent occurrence of fetectomy-induced yolk sac teratomas. Muranyi-Kovacs I, et al. **Transplantation** 1981 Aug;32(2):142–8

Testicular cancer in children and adolescents in Ibadan, Nigeria. Junaid TA. **Urology** 1981 Nov;18(5):510–3

PATHOLOGY

Teratocarcinomas and other neoplasms as developmental defects in gene expression. Mintz B, et al. **Adv Cancer Res** 1981;34:211–78 (228 ref.)

Teratomas: concordance in mother and fetus. Rayburn WF, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):110–2

Malignant neuroectodermal tumor of the ovary, a distinctive form of monodermal teratoma: report of five cases. Aguirre P, et al. **Am J Surg Pathol** 1982 Jun;6(4):283–92

Prognostic factors in clinical stage I non-seminomatous germ-cell tumours of the testis. Raghavan D, et al. **Br J Cancer** 1982 Feb;45(2):167–73

Benign clinical behavior of immature mediastinal teratoma in infancy and childhood: report of two cases and review of the literature. Carter D, et al. **Cancer** 1982 Jan 15; 49(2):398–402

A case of metastatic carcinoid arising in an ovarian teratoma. Case report with autopsy findings and review of the literature. Sens MA, et al. **Cancer** 1982 Jun 15;49(12):2541–6

Conversion of malignant murine embryonal carcinomas to benign teratomas by chemical induction of differentiation in vivo. Speers WC. **Cancer Res** 1982 May;42(5):1843–9

An in vitro assay for growth regulation of embryonal carcinoma by the blastocyst. Wells RS. **Cancer Res** 1982 Jul;42(7):2736–41

Cell-cell interactions in early embryogenesis: a molecular approach to the role of calcium. Hyafil F, et al. **Cell** 1981 Nov;26(3 Pt 1):447–54

Teratocarcinoma cell adhesion: identification of a cell-surface protein involved in calcium-dependent cell aggregation. Yoshida C, et al. **Cell** 1982 Feb;28(2):217–24

Melanotic rhabdomyomedulloblastoma or teratoid tumour of the cerebellar vermis. Duinkerke SJ, et al. **Clin Neurol Neurosurg** 1981;83(1):29–33

Cell-cycle characteristics of undifferentiated and differentiating embryonal carcinoma cells. Rosenstraus MJ, et al. **Dev Biol** 1982 Feb;89(2):516–20

Pituitary-containing benign cystic teratoma of the ovary in a patient with metastatic breast cancer: a case report. Fenoglio CM, et al. **Diagn Histopathol** 1982 Apr–Jun; 5(2):143–50

The extraembryonic endodermal differentiation and polyploidization of embryonal carcinoma cells in vitro. Ilgren EB, et al. **Differentiation** 1981;19(2):115–20

Multiplication-stimulating activity stimulates the multiplication of F9 embryonal carcinoma cells. Nagarajan L, et al. **Endocrinology** 1982 Apr;110(4):1231–7

Induction of neural differentiation by serum deprivation in cultures of the embryonal carcinoma cell line 1003. Darmon M, et al. **Exp Cell Res** 1982 Mar;138(1):73–8

Effects of age and sex of host mice on growth and differentiation of teratocarcinoma OTT6050. Kubota K, et al. **Exp Gerontol** 1981;16(5):371–84

Yolk sac and allied tumours of the ovary. Langley FA, et al. **Histopathology** 1981 Jul;5(4):389–401

A comparative study of eight cell lines derived from human testicular teratocarcinoma. Andrews PW, et al. **Int J Cancer** 1980 Sep 15;26(3):269–80

Appearance of functional insulin receptors during the differentiation of embryonal carcinoma cells. Heath J, et al. **J Cell Biol** 1981 Oct;91(1):293–7

Retinoic acid induces embryonal carcinoma cells to differentiate into neurons and glial cells. Jones-Villeneuve EM, et al. **J Cell Biol** 1982 Aug;94(2):253–62

Murine embryonal carcinoma hybrids: decreased ability to spontaneously differentiate as a dominant trait. Oshima RG, et al. **J Cell Physiol** 1981 Nov;109(2):195–204

Formation of viable chimaeras by aggregation between teratocarcinomas and preimplantation mouse embryos. Stewart CL. **J Embryol Exp Morphol** 1982 Feb;67:167–79

Viability under the testis capsule of inner cell masses isolated from TOr/TOr mouse embryos. Fujimoto H, et al. **J Exp Zool** 1982 Feb 20;219(3):339–43

Embryonal adenocarcinoma in sacrococcygeal teratoma. Mukherjee AK, et al. **J Indian Med Assoc** 1981 Dec 16; 77(12):196–8

Adenomatoid tumor of the male genital tract: report of three cases, one associated with adrenal cortical rest. Lodeville D, et al. **Pathologica** 1981 Jul–Aug;73(1026):629–37 (53 ref.)

Test and teach number thirty-two: diagnosis: parapineal germinoma (atypical teratoma). Ojeda VJ, et al. **Pathology** 1982 Apr;14(2):118–9, 219

The pathological assessment of ovarian neoplasms V: The germ cell tumours. Russell P, et al. **Pathology** 1982 Jan; 14(1):47–72

A teratoma-like lesion of the placenta: a case report. Smith LA, et al. **Pathology** 1982 Jan;14(1):85–7

Isolation of a pluripotent cell line from early mouse embryos cultured in medium conditioned by teratocarcinoma stem cells. Martin GR. **Proc Natl Acad Sci USA** 1981 Dec; 78(12):7634–8

Adenomatoid tumour—a report of two cases. Kothare SN. **Singapore Med J** 1981 Jun;22(3):166–7

Formation and fate of heterokaryons involving embryonal carcinoma cells. Featherstone MS, et al. **Somatic Cell Genet** 1981 Mar;7(2):205–17

Bilateral primary germ cell tumors of testis. Hoekstra HJ, et al. **Urology** 1982 Feb;19(2):152–4

Bilateral testicular germ cell malignancy. Ware SM, et al. **Urology** 1982 Apr;19(4):366–72

[Atypical intratubular germ cells and testicular germ cell tumors in children (author's transl)] Guinand S, et al. **Ann Pathol** 1981;1(4):251–7 (Eng. Abstr.) **(Fre)**

[Vitelline morphogenesis in a teratocarcinoma of mice] Gaillard J. **C R Seances Acad Sci [III]** 1981 Nov 30; 293(12):671–4 (Eng. Abstr.) **(Fre)**

[Morphology and clinic of ovarial teratomas (author's transl)] Heberling D, et al. **Geburtshilfe Fraunheilkd** 1982 Mar; 42(3):169–73 (Eng. Abstr.) **(Ger)**

[Primary mediastinal seminoma. Case reports of 4 pure seminomas and 1 teratoma with seminoma involvement] Sprenger F. **Helv Chir Acta** 1981 Aug;48(3–4):365–8 (Eng. Abstr.) **(Ger)**

[Ovarian thyroid] Carinelli S, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar–Apr;103(2):120–7 **(Ita)**

[Primary insular carcinoid of the ovary] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):278–85 **(Ita)**

[Presacral cystic teratoma in an adult] Grasso F, et al. **Minerva Chir** 1981 Nov 15;36(21):1445–52 (Eng. Abstr.) **(Ita)**

[Studies on human germ cell tumor. Establishment of AFP producing tumor line (JTG-1) in nude mice from human testicular tumor (embryonal carcinoma with seminoma) and its characteristics (author's transl)] Machida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1527–33 (Eng. Abstr.) **(Jpn)**

[Morphological studies on mediastinal teratoid tumors transplanted in nude mice (author's transl)] Ito M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jul;19(7):487–95 (Eng. Abstr.) **(Jpn)**

[Neck tumor as the first sign of embryonal testicular carcinoma] Pukacki F. **Pol Tyg Lek** 1982 Apr 19; 37(7):197–8 (Eng. Abstr.) **(Pol)**

[Role of atypical sex cells in the histogenesis of germinative testicular tumors] Romanenko AM, et al. **Arkh Patol** 1982; 44(2):22–8 (Eng. Abstr.) **(Rus)**

[Mature teratoma in the repositioned testis in bilateral cryptorchism] Antonov NM, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):52–3 **(Rus)**

[Primary insular carcinoid tumor in a benign cystic teratoma of the ovary (author's transl)] Trošić A, et al. **Jugosl Ginekol Opstet** 1981 May–Aug;21(3–4):75–8 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

Insulin promotes the growth of F9 embryonal carcinoma cells apparently by acting through its own receptor. Nagarajan L, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):974–80

Alkaline phosphatase isozymes as possible markers of differentiation in human testicular teratocarcinoma cell lines. Benham FJ, et al. **Dev Biol** 1981 Dec;88(2):279–87

Decreased synthesis of large fucosyl glycopeptides during differentiation of embryonal carcinoma cells induced by retinoic acid and dibutyryl cyclic AMP. Muramatsu H, et al. **Dev Biol** 1982 Apr;90(2):441–4

Selective adhesion of embryonal carcinoma cells and differentiated cells by Ca2+-dependent sites. Takeichi M, et al. **Dev Biol** 1981 Oct 30;87(2):340–50

Production and distribution of entactin and GP-2 in M1536-B3 cells. Bender BL, et al. **Exp Cell Res** 1982 Feb; 137(2):415–25

Reversible and irreversible stages in the transition of cell surface marker during the differentiation of pluripotent teratocarcinoma cell induced with retinoic acid. Ogiso Y, et al. **Exp Cell Res** 1982 Feb;137(2):365–72

Deoxyribonuclease I sensitivity of plasmid genomes in teratocarcinoma-derived stem and differentiated cells. Huebner K, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5071–5

Transcription of the simian virus 40 genome in DNA-transformed murine teratocarcinoma stem cells. Linnenbach A, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6386–90

Successive generations of mice produced from an established culture line of euploid teratocarcinoma cells. Stewart TA, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6314–8

[Tumors without mutation? (author's transl)] Skreb N. **Lijec Vjesn** 1981;103(4–5):204–7 (Eng. Abstr.) **(Scr)**

PSYCHOLOGY

Disabilities and how to live with them. Teratoma of the testis. Moreland C. **Lancet** 1982 Jul 24;2(8291):203–5

RADIOGRAPHY

Antegrade spermatic phlebography in the diagnosis of metastases from testicular tumors. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):255–9

Computed tomography in the radiology of testicular teratomas. Katz D, et al. **Clin Radiol** 1981 Nov;32(6):679–82

Retroperitoneal teratoma. Wolski Z, et al. **Int Urol Nephrol** 1981;13(2):137–40

Foetus in foetu. Prasad KR, et al. **J Indian Med Assoc** 1981 Oct 16;77(8):134–6

CT estimations of mean attenuation values and volume in testicular tumors: a comparison with surgical and histologic findings. Husband JE, et al. **Radiology** 1982 Aug; 144(3):553–8

Endobronchial teratoma. Jamieson MP, et al. **Thorax** 1982 Feb;37(2):157–9

[Indirect X-ray signs of metastatic affection of the lumbar lymph nodes in testicular tumours (author's transl)] Kasal J, et al. **Cesk Radiol** 1982 Mar;36(2):97–102 (Eng. Abstr.) **(Cze)**

[Mediastinal teratoma—its course over a 25-year period] Bohndorf K, et al. **ROFO** 1982 Jun;136(6):727–9 **(Ger)**

[Primary retroperitoneal teratoma in an adult] Kónya A, et al. **Orv Hetil** 1982 Mar 28;123(13):795–6 **(Hun)**

RADIONUCLIDE IMAGING

Localisation of malignant germ-cell tumours by external scanning after injection of radiolabelled anti-alpha-fetoprotein. Halsall AK, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):942–4

Accumulation of 99mTc-methylene diphosphate within benign cystic teratoma of the ovary: an artefact caused by a distorted bladder [letter] D'haene EG, et al. **Eur J Nucl Med** 1982;7(3):146

[Clinical evaluation of tumor positive imaging with I-125 (or -131)-labeled anti-human AFP specific antibody for AFP producing tumor line (JTG-1) and clinical cases (author's transl)] Yanagisawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1559–68 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiation therapy of testicular non-seminomas. van der Werf-Messing B, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):175–8

Radiation therapy for nonseminomatous germ cell tumors of the testis: a reappraisal. Clements JC, et al. **J Urol** 1981 Oct;126(4):490–2

Radiation-induced sarcoma following radiotherapy for testicular tumor. Lynch DF Jr, et al. **J Urol** 1981 Dec; 126(6):845–6

SECONDARY

Potential for cure in metastatic ovarian teratomas and dysgerminomas. Newlands ES, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):555–60

Ultrasonographic evaluation of hepatic metastases in testicular tumour. Sekiya T, et al. **Br J Radiol** 1982 May; 55(653):338–41

Sequential germ cell tumor without prior involvement of the testes. Pennacchio JL, et al. **J Urol** 1981 Dec;126(6):838–41

[Examination of the growth behavior of lung metastases of testicular tumours (author's transl)] Kob D, et al. **Radiobiol Radiother (Berl)** 1981;22(6):759–70 (Eng. Abstr.) **(Ger)**

[Testicular teratocarcinoma with differentiated retroperitoneal metastasis] Toro Rojas M, et al. **Actas Urol Esp** 1982 May–Jun;6(3):193–6 (Eng. Abstr.) **(Spa)**

SECRETION

Purification and characterization of a collagenous protein secreted by a murine teratocarcinoma-derived cell line. Ko CY, et al. **Biochim Biophys Acta** 1982 Jun 8;720(3):288–94

Fibronectin from human germ-cell tumors resembles amniotic fluid fibronectin. Ruoslahti E, et al. **Int J Cancer** 1981 Jun 15;27(6):763–7

SURGERY

A case report: maxillary deformity with intra-oral teratoma-anesthetic considerations. Whitlock R, et al. **AANA J** 1981 Oct;49(5):503–6

The role of abdominal surgery in the treatment of advanced testicular germ cell tumours. Jones BM, et al. **Br J Surg** 1982 Jan;69(1):4–6

Elective delayed excision of bulky para-aortic lymph node metastases in advanced non-seminoma germ cell tumours of testis. Hendry WF, et al. **Br J Urol** 1981 Dec; 53(6):648–53

Orchidectomy alone for stage I testicular teratoma. Stout R, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):885

Surgical resection in disseminated testicular cancer following chemotherapeutic cytoreduction. Einhorn LH, et al. **Cancer** 1981 Aug 15;48(4):904–8

Role of chemotherapy and surgery in the treatment of thoracic metastases from nonseminomatous germ cell testis tumor. Vugrin D, et al. **Cancer** 1982 Sep 15;50(6):1057–60

Struma ovarii: report of a case with malignant evolution and of another observed in the course of pregnancy. Moggian G, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):201–2

Sacrococcygeal teratomas. Guchev S, et al. **God Zb Med Fak Skopje** 1979 Jan;25:353–8

Successful excision of intracardiac teratoma. Maeta H, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):909–13

Intracranial double teratomas. Aoyama I, et al. **Surg Neurol** 1982 May;17(5):383–7

Immature teratoma of the ovary stage IA(i) treated with conservative surgery alone. Carinelli SG, et al. **Tumori** 1981 Dec 31;67(6):575–80

Retroperitoneal lymphadenectomy for germ cell tumor of testis in association with horseshoe kidney. Sogani PC, et al. **Urology** 1981 Nov;18(5):446–52

[Successful removal of a teratoma from the 3d ventricle of the brain] Fišer Z, et al. **Rozhl Chir** 1982 Feb;61(2):120–4 (Eng. Abstr.) **(Cze)**

[Should all embryonal carcinomas of the testis be treated with lombo-aortic lymphnode curettage] Aubert J, et al. **J Urol (Paris)** 1982;88(3):181–3 **(Fre)**

[Malignant sacrococcygeal teratoma in an adult] Hild P, et al. **Chirurg** 1982 Feb;53(2):117–9 (Eng. Abstr.) **(Ger)**

THERAPY

Mediastinal nonseminomatous germ cell tumors: the role of combined modality therapy. Vogelzang NJ, et al. **Ann Thorac Surg** 1982 Apr;33(4):333–9

Malignant retrorectal tumors: 28 years' experience at Memorial Sloan-Kettering Cancer Center. Cody HS 3d, et al. **Dis Colon Rectum** 1981 Oct;24(7):501–6

Treatment strategies for infants with malignant sacrococcygeal teratoma. Raney RB Jr, et al. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):573–7

[The effect of the anti-human AFP-specific antibody on AFP producing tumor line (JTG-1) in nude mice (author's transl)] Yanagisawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1569–76 (Eng. Abstr.) **(Jpn)**

[Mediastinal teratoma] Varela de Ugarte A, et al. **Rev Clin Esp** 1981 Dec 15;163(5):337–9 **(Spa)**

ULTRASTRUCTURE

Ultrastructural studies of xenografted human germ cell tumors. Monaghan P, et al. **Cancer** 1982 Feb 15; 49(4):683–97

Basal lamina glycoproteins laminin and type IV collagen are assembled into a fine-fibered matrix in cultures of a teratocarcinoma-derived endodermal cell line. Leivo I, et al. **Exp Cell Res** 1982 Jan;137(1):15–23

Pleomorphic atypical thyroid adenoma arising in struma testis: light microscopic, ultrastructural and immunofluorescent studies. Waxman M, et al. **Mt Sinai J Med (NY)** 1982 Jan-Feb;49(1):13–7

METT-1: a karyotypically normal in vitro line of developmentally totipotent mouse teratocarcinoma cells. Mintz B, et al. **Somatic Cell Genet** 1981 Jul;7(4):489–505

VETERINARY

Malignant ovarian teratoma in a spot-neck otter. Zachary JF, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1279–83

Two extragonadal teratomas in a mouse, with discussion of possible histogenesis. Phillips RJ, et al. **J Comp Pathol** 1982 Apr;92(2):273–84

Suspected teratoma in a black headed gull (Larus ridibundus). Baker JR, et al. **Vet Rec** 1981 Jul 18;109(3):60

TERBIUM

Tb3+ as a luminescent probe of actin structure: effects of polymerization, KI, and the binding of deoxyribonuclease I. Burtnick LD. **Arch Biochem Biophys** 1982 Jun; 216(1):81–7

Characterization of excitation spectra for Tb3+ luminescence from nucleic acids: calcium binding environs in icosahedral viruses. Morley PJ, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1123–30

Terbium as a new probe to detect G+C content of DNA. Cavatorta P, et al. **Biochem Exp Biol** 1980;16(4):365–9

Distance between metal-binding sites in transferrin: energy transfer from bound terbium (III) to iron (III) or manganese (III). O'Hara P, et al. **Biochemistry** 1981 Aug 4; 20(16):4704–8

Evidence for two-site binding in the terbium(iii)-nucleic acid interaction. Gross DS, et al. **J Biol Chem** 1981 Sep 25; 256(18):9593–8

Is Tb3+ fluorescence enhancement only due to binding to single stranded polynucleotides. Haertlé T, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):6191–7

[Chemiluminescence of liposomes activated with rare earth ions] Sharov VS, et al. **Biofizika** 1982 Mar-Apr;27(2):327–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Local anesthetics noncompetitively inhibit terbium binding to the exterior surface of nerve membrane vesicles. Deschenes RJ, et al. **Biochim Biophys Acta** 1981 Dec 21; 649(3):515–20

Influence of inorganic cations and histone proteins on the terbium(III)-nucleic acid interaction. Gross DS, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):167–76

Metal-binding properties of calmodulin. Wang CL, et al. **Eur J Biochem** 1982 May;124(1):7–12

[Interaction of terbium ions with inorganic pyrophosphatase from bakers' yeast: characterization of the binding sites] Hansen G, et al. **Acta Biol Med Ger** 1982;41(1):23–30 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Different polymeric forms of actin detected by the fluorescent probe terbium ion. Ferri A, et al. **Biochemistry** 1981 Oct 27;20(22):6362–6

TERBUTALINE

ADMINISTRATION & DOSAGE

Terbutaline inhalation for alleviation of severe pain in essential dysmenorrhea. Kullander S, et al. **Acta Obstet Gynecol Scand** 1981;60(4):425–7

A comparison of terbutaline and ethanol in the treatment of preterm labor. Caritis SN, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):183–90

Randomized control trial of external cephalic version with tocolysis in late pregnancy. Van Dorsten JP, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):417–24

Do oral and inhaled terbutaline have different effects on the lung? Shaw RJ, et al. **Br J Dis Chest** 1982 Apr;76(2):171–6

Atropine and terbutaline aerosols in chronic bronchitis: efficacy and sites of action. Marini JJ, et al. **Chest** 1981 Sep;80(3):285–91

Pretreatment of exercise-induced asthma with terbutaline administered from pressurized aerosols and nebulizers. Bundgaard A. **Eur J Respir Dis [Suppl]** 1982;119:111–3

Reported clinical experiences with inhaled terbutaline aerosol via spacer devices. Weeke ER. **Eur J Respir Dis [Suppl]** 1982;119:105–9

Comparison of oral and aerosol adrenergic bronchodilators in asthma. Lee HS. **J Pediatr** 1981 Nov;99(5):805–7

Treatment of premature labor with subcutaneous terbutaline. Stubblefield PG, et al. **Obstet Gynecol** 1982 Apr; 59(4):457–62

The effect of terbutaline sulphate on exercise-induced asthma in children. Weinberg EG. **S Afr Med J** 1982 Apr 17; 61(16):587–9

High-dose inhaled terbutaline in the management of chronic severe asthma: comparison of wet nebulisation and tube-spacer delivery. Prior JG, et al. **Thorax** 1982 Apr; 37(4):300–3

Comparison of inhaled and intravenous terbutaline in acute severe asthma. Williams SJ, et al. **Thorax** 1981 Aug; 36(8):629–32

[Should stable asthma be treated with a nebulizer or spray?] Bundgaard A, et al. **Ugeskr Laeger** 1981 Oct 26; 143(44):2878–80 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Cardiovascular complications of terbutaline for preterm labor [letter] Ingemarsson I. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):117–8

Cerebral ischemia associated with parenteral terbutaline use in pregnant migraine patients. Rosene KA, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):405–7

Cardiac, pulmonary and neuromuscular effects of clenbuterol and terbutaline compared with placebo. Whitsett TL, et al. **Br J Clin Pharmacol** 1981 Aug;12(2):195–200

Terbutaline and maternal cardiac function. Wagner JM, et al. **JAMA** 1981 Dec 11;246(23):2697–701

Successful treatment of terbutaline-induced bronchospasm with orciprenaline sulfate [letter] Drexel H, et al. **Lancet** 1982 Aug 21;2(8295):446

Maternal pulmonary edema during premature labor inhibition. Benedetti TJ, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):33S–7S

Acute pulmonary edema resulting from treatment for premature labor. Brodey PA, et al. **Radiology** 1981 Sep; 140(3):631–3

ANALOGS & DERIVATIVES

Influence of a beta-adrenoceptor stimulant, KWD 2131, in nasal histamine provocation tests. Rhinomanometric evaluations in normal persons and patients with hay fever. Svensson G, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):535–41

Lung uptake and antianaphylactic effects of KWD 2131 (a beta-adrenergic agonist) in perfused guinea-pig lungs. Ryrfeldt A, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 May;48(5):390–6

Evaluation of the inhibition of allergen-induced intracutaneous reactions by a new beta-agonist, KWD 2131, and by terbutaline. Hegardt B, et al. **Eur J Respir Dis** 1981 Oct;62(5):352–9

Evaluation of immediate- and late-response inhibition of a new beta-agonist, KWD 2131, compared with terbutaline and DSCG. Hegardt B, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:283–5

Determination of tulobuterol in human serum by electron-capture gas-liquid chromatography. Matsumura K, et al. **J Chromatogr** 1982 Jun 11;230(1):148–53

[Studies on the metabolic fate of tulobuterol. V. Species differences in the metabolism and excretion in rat, dog, guinea pig and rabbit (author's transl)] Matsumura K, et al. **Yakugaku Zasshi** 1981 Feb;101(2):198–201 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Stability of five catecholamines and terbutaline sulfate in 5% dextrose injection in the absence and presence of aminophylline. Newton DW, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1314–9

BLOOD

A time-saving method for the determination of the beta 2 sympathomimetics terbutaline, salbutamol and fenoterol. Preliminary results. Leferink JG, et al. **J Chromatogr** 1982 Apr 16;229(1):217–21

METABOLISM

Pharmacokinetics of terbutaline, a beta 2-sympathomimetic, in healthy volunteers and asthmatic patients. Leferink JG, et al. **Arzneimittelforsch** 1982;32(2):159–64

Terbutaline in breast milk [letter] Borèus LO, et al. **Br J Clin Pharmacol** 1982 May;13(5):731–2

Terbutaline excretion into breast milk [letter] Lönnerholm G, et al. **Br J Clin Pharmacol** 1982 May;13(5):729–30

Pharmacokinetic studies with inhaled drugs. Davies DS. **Eur J Respir Dis [Suppl]** 1982;119:67–72

PHARMACODYNAMICS

Insulin secretion induced by glucose and by stimulation of beta 2 -adrenoceptors in the rat. Different sensitivity to somatostatin. Ahrén B, et al. **Acta Physiol Scand** 1981 Aug; 112(4):421–6

Serum potassium levels during and after terbutaline. Hurlbert BJ, et al. **Anesth Analg (Cleve)** 1981 Oct;60(10):723–5

Desensitization by terbutaline of beta-adrenoceptors in the guinea-pig soleus muscle: biochemical alterations associated with functional changes. Buur T, et al. **Br J Pharmacol** 1982 Jun;76(2):313–7

Tracheal submucosal gland serous cells stimulated in vitro with adrenergic and cholinergic agonists. A morphometric study. Basbaum CB, et al. **Cell Tissue Res** 1981; 220(3):481–98

Extrapulmonary effects of terbutaline during prolonged administration. Bengtsson B, et al. **Clin Pharmacol Ther** 1982 Jun;31(6):726–32

The effects of terbutaline on the acid base balance and circulation of chronically instrumented pregnant sheep. Ayromlooi J, et al. **Dev Pharmacol Ther** 1981;3(3):168–78

Terbutaline and pulmonary surfactant release in the rabbit fetus. Bergman B, et al. **Gynecol Obstet Invest** 1982; 13(1):44–54

Lowering of maximum urethral closure pressure by phentolamine and by terbutaline. Bapna BC, et al. **Indian J Med Res** 1981 Mar;73:439–42

Clinical implications of drug-induced desensitization of the beta receptor after continuous oral use of terbutaline. van den Berg W, et al. **J Allergy Clin Immunol** 1982 May; 69(5):410–7

Cardiovascular and metabolic effects of terbutaline. Kendall MJ, et al. **J Clin Hosp Pharm** 1982 Mar;7(1):31–6

Effects of terbutaline on cardiac automaticity and contractility. Danilo P Jr, et al. **J Clin Pharmacol** 1982 May-Jun;22(5-6):223–30

Inhibition of ornithine decarboxylase and S-adenosylmethionine decarboxylase activities of S49 lymphoma cells by agents increasing cyclic AMP. Honeysett JM, et al. **J Cyclic Nucleotide Res** 1981; 7(5):321–32

Influence of salbutamol and other beta-agonists on hypothermia induced by clonidine, apomorphine and reserpine in mice. Müller M, et al. **J Neural Transm** 1981; 52(4):259–67

Terbutaline raises high-density-lipoprotein-cholesterol levels. Hooper PL, et al. **N Engl J Med** 1981 Dec 10; 305(24):1455–7

Terbutaline-induced changes in ovine, fetal and maternal hemodynamics, and fetal electroencephalogram. Ayromlooi J, et al. **Pediatr Pharmacol (New York)** 1981; 1(4):321–30

Pulmonary surfactant release in fetal rabbits as affected by terbutaline and aminophyllin. Ekelund L, et al. **Scand J Clin Lab Invest** 1981 May;41(3):237–45

[Beta 1-, beta 2-effects of ritrodine and terbutaline in the treatment of preterm labor (author's transl)] Chimura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1629–34 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Terbutaline depot tablets in asthma. A clinical evaluation. Taudorf E, et al. **Allergy** 1981 Oct;36(7):495–500

Augmentation of right ventricular performance in chronic obstructive pulmonary disease by terbutaline: a combined radionuclide and hemodynamic study. Brent BN, et al. **Am J Cardiol** 1982 Aug;50(2):313–9

The effects of terbutaline on acid base, serum electrolytes, and glucose homeostasis during the management of preterm labor. Cotton DB, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):617–24

Effect of oral terbutaline on exercise-induced asthma. Sly RM, et al. **Ann Allergy** 1982 Mar;48(3):151–5

Bladder electromyography: response to electric stimulation and to terbutaline. Kaplan PE, et al. **Arch Phys Med Rehabil** 1981 Sep;62(9):424–7

A comparison of sustained-release terbutaline and ordinary terbutaline in bronchial asthma. Eriksson NE, et al. **Br J Dis Chest** 1982 Apr;76(2):202–4

An objective assessment of the tube spacer in patients unable to use a conventional pressurized aerosol efficiently. Godden DJ, et al. **Br J Dis Chest** 1981 Apr;75(2):165–8

Effect of terbutaline on mucociliary transport and sputum properties in chronic bronchitis. Sadoul P, et al. **Chest** 1981 Dec;80(6 Suppl):885–9

Terbutaline aerosol in the long-term treatment of asthmatic children. Blackhall MI, et al. **Eur J Respir Dis** 1981 Aug; 62(4):268–75

Evaluation of the inhibition of allergen-induced intracutaneous reactions by a new beta-agonist, KWD 2131, and by terbutaline. Hegardt B, et al. **Eur J Respir Dis** 1981 Oct;62(5):352–9

The combined effect of theophylline and terbutaline in patients with chronic obstructive airway diseases. Lamont H, et al. **Eur J Respir Dis** 1982 Jan;63(1):13–22

Adrenaline and terbutaline in treatment of acute asthmatic attacks on children. Phanichyakarn P, et al. **J Med Assoc Thai** 1981 Sep;64(9):428–31

Arterial plasma histamine levels at rest, and during and after exercise in patients with asthma: effects of terbutaline aerosol. Anderson SD, et al. **Thorax** 1981 Apr;36(4):259–67

[Postoperative respiratory therapy: bronchospasmolytic activity and side-effects of some recently introduced beta-sympatheticomimetic agents (author's transl)] Brandl M, et al. **Anasth Intensivther Notfallmed** 1981 Aug; 16(4):197–202 (Eng. Abstr.) **(Ger)**

[Prevention of premature birth by uterus-inhibiting drugs] Lowenberg E, et al. **Ginecol Obstet Mex** 1981 Jun; 49(296):377–91 (Eng. Abstr.) **(Spa)**

TERIZIDONE see under **OXAZOLES**

TERMINAL CARE

see related
HOSPICES
PALLIATIVE TREATMENT

Morphine and diamorphine in the terminally ill patient. Twycross RG. **Acta Anaesthesiol Scand [Suppl]** 1982; 74:128–34

The application of hospice concepts to neonatal care. Whitfield JM, et al. **Am J Dis Child** 1982 May;136(5):421–4

Dilemmas in practice. Questioning TPN as the answer. Hushen SC. **Am J Nurs** 1982 May;82(5):852–4

Dying in hospital: the residents' viewpoint. Ahmedzai S. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):712–4

The concept of hospice. Leone LA. **CA** 1982 May–Jun; 32(3):141–3

Pain medication for the terminally ill. Roud PC. **Int Nurs Rev** 1982 Jan–Feb;29(1):19–21

Rehabilitation in terminal cancer patients. Twycross RG. **Int Rehabil Med** 1981;3(3):135–44

The houseman and the dying patient. Adams GP, et al. **J Med Ethics** 1981 Sep;7(3):142–5

Domiciliary terminal care: demands on statutory services. Doyle D. **J R Coll Gen Pract** 1982 May;32(238):285–91

Terminal care in the home. Reilly PM, et al. **J R Coll Gen Pract** 1981 Sep;31(230):531–7

Continuous subcutaneous analgesics and antiemetics in domiciliary terminal care [letter] Hutchinson HT, et al. **Lancet** 1981 Dec 5,2(8258):1279

Care of the dying. Issues in pain management: Part II. Ryndes T, et al. **Minn Med** 1982 Mar;65(3):185–8

Neonatal hospice program [letter] Whitfield JM, et al. **Pediatrics** 1982 Sep;70(3):502–3

[Terminal care in children] Bakker HD. **Ned Tijdschr Geneeskd** 1982 Apr 17;126(16):720–4 **(Dut)**

[Pain in the terminal stage] Michels JJ. **Ned Tijdschr Geneeskd** 1981 Oct 24;125(43):1759–62 **(Dut)**

[Palliative treatment units: a new approach to patients in the terminal phase] Stachenko S, et al. **Union Med Can** 1982 Mar;111(3):276–8 (Eng. Abstr.) **(Fre)**

[Do we need hospices for the dying?] Jäckle R. **Med Klin** 1981 Jun 5;76(12):327 **(Ger)**

[Repression and disclosure– the dynamics of dealing with terminal diseases] Theml H. **Med Klin [Prax]** 1982 May 7;77(10):18–22 **(Ger)**

[Dying patients and medical problems from the family doctors point of view (author's transl)] Dan J. **ZFA (Dresden)** 1982 Jan–Feb;37(1):35–40 (Eng. Abstr.) **(Ger)**

[Peritoneal dialysis in the terminal stage of renal failure] Wyszyńska T. **Pediatr Pol** 1981 Jul;56(7):853–9 (36 ref.) **(Pol)**

LEGISLATION & JURISPRUDENCE

Treatment of incompetent terminally ill patients. 1. The American experience. Thomson CJ. **Med J Aust** 1982 Feb 20;1(4):188–90

Treatment of incompetent terminally ill patients. 2. Reflections on the American experience. Thomson CJ. **Med J Aust** 1982 Mar 20;1(6):246–7

[Legal medicine problems in the terminal care of the aged] Trube-Becker E. **Z Gerontol** 1981 Jul–Aug;14(4):284–95 (Eng. Abstr.) **(Ger)**

METHODS

Ethical considerations in critical and terminal illness in the elderly. Levenson SA, et al. **J Am Geriatr Soc** 1981 Dec; 29(12):563–7

[The psychosocial protection of the terminal patient] Sardi PA. **Minerva Med** 1981 Dec 22;72(51):3543–6 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Issues in the psychological care of pediatric oncology patients. Brunnquell D, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):32–44

Evaluation of a home visitation program for families of children with cancer. Michielutte R, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):239–45

Talking with the terminally ill: grief and care of a particular kind. Davidson GP. **Aust Fam Physician** 1981 Jul; 10(7):520–6

Terminal care in country practice. Gates GR. **Aust Fam Physician** 1982 May;11(5):338–42

Therapeutic dilemmas in oncology and psychiatry. Gottschalk LA. **Compr Psychiatry** 1982 Jan–Feb;23(1):9–18

Lingering terminal illness and family: insights from literature. Bertman SL. **Fam Process** 1980 Dec;19(4):341–8

Perceptions of ward atmosphere on an oncology unit. Alexy WD. **Int J Psychiatry Med** 1981–82;11(4):331–40

Terminal care. Sternburg JK, et al. **J Fam Pract** 1982 Jun; 14(6):995–1008

Meeting the needs of the late-stage elderly cancer patient and family: a clinical model. Krant MJ, et al. **J Geriatr Psychiatry** 1980;13(1):53–61

What do elderly, dying patients want, anyway? Weisman AD. **J Geriatr Psychiatry** 1980;13(1):63–7

Therapeutic choices made by patients with end-stage cancer. Nitschke R, et al. **J Pediatr** 1982 Sep;101(3):471–6

The physician and the dying patient [letter] Kaye JM. **JAMA** 1982 Jul 2;248(1):29

Pain management in the terminally ill cancer patient: an investigation of nurses' attitudes, knowledge, and clinical practice. Fox LS. **Milit Med** 1982 Jun;147(6):455–60

Beliefs about causes of cancer in cancer patients. Linn MW, et al. **Soc Sci Med** 1982;16(7):835–9

[Serious illness as stress. Stress related to dying] Spreeuwenberg C. **Ned Tijdschr Geneeskd** 1981 Oct 10; 125(41):1685–6 **(Dut)**

[And Death will be no more. Discussion on humane terminal care] Piechowiak H. **Wien Med Wochenschr** 1982 Feb 28; 132(4):81–5 **(Ger)**

[Preliminary considerations of emotional problems in physician and cancer patient relationships] Agrimi E, et al. **Minerva Psichiatr** 1981 Jul–Sep;22(3):137–40 **(Ita)**

[The incurable patient] Soto Obrador S. **Rev Med Chil** 1981 Nov;109(11):1107–11 (Eng. Abstr.) **(Spa)**

STANDARDS

'No resuscitation' orders [editorial] MacDonell JA. **Can Med Assoc J** 1981 Oct 15;125(8):809–10

Discontinuing treatment for the terminally ill: ethical considerations. Wolman MG. **Conn Med** 1981 Nov; 45(11):731–2

The role of hospice in the care of terminally ill patients. Dome NH. **Radiol Technol** 1982 Jan–Feb;53(4):313–6

TERMINATION, EMPLOYMENT see **EMPLOYMENT**

TERNIDENS see under **STRONGYLOIDEA**

TERPENE PHOSPHATES see **POLYISOPRENYL PHOSPHATES**

TERPENES

Effect of toxaphene, camphene, and cedar oil on methyl parathion residues on cotton. Bigley WS, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):90–4

Monographs on fragrance raw materials. Opdyke DL. **Food Cosmet Toxicol** 1981 Apr;19(2):237–54

Thermoplastic ankle splint. Wallace L, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):565–6

ADVERSE EFFECTS

Lipopolysaccharide and pristane-induced peritoneal exudate requirements for plasma tumor cell colony formation. Platica M, et al. **JNCI** 1982 Feb;68(2):325–8

Lipoid pneumonia with Cryptococcus neoformans colonisation. Subramanian S, et al. **Thorax** 1982 Apr; 37(4):319–20

[Occupational skin diseases in workers manufacturing the repellent lotion Diethyltoluamide-20] Prishchepov VF, et al. **Gig Tr Prof Zabol** 1981 Oct;(10):50–1 **(Rus)**

BIOSYNTHESIS

An alternative pathway for the biosynthesis of isoprenoid compounds in bacteria. Pandian S, et al. **Biochem J** 1981 Jun 15;196(3):675–81

Isoprenoid biosynthesis in adult Brugia pahangi and Dirofilaria immitis. Comley JC, et al. **J Parasitol** 1981 Oct; 67(5):609–16

CHEMICAL SYNTHESIS

Retinoid affinity label for the binding site of retinol-binding protein. Gawinowicz MA, et al. **Biochemistry** 1982 Apr 13;21(8):1899–905

Diterpenoid sweeteners. Synthesis and sensory evaluation of stevioside analogues nondegradable to steviol. DuBois GE, et al. **J Med Chem** 1981 Nov;24(11):1269–71

METABOLISM

Evidence that sabinene is an essential precursor of C(3)-oxygenated thujane monoterpenes. Karp F, et al. **Arch Biochem Biophys** 1982 Jul;216(2):616–24

Acute poisoning with pine oil – metabolism of monoterpenes. Köppel C, et al. **Arch Toxicol** 1981 NOV;49(1):73–8

Distribution and metabolism of the pulmonary alkylating agent and cytotoxin, 4-ipomeanol, in control and diethylmaleate-treated rats. Statham CN, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1585–9

Identification of 3,4-dihydroxy-5-hexaprenylbenzoic acid as an intermediate in the biosynthesis of ubiquinone-6 by Saccharomyces cerevisiae. Goewert RR, et al. **Biochemistry** 1981 Jul 7;20(14):4217–23

Identification of 3-methoxy-4-hydroxy-5-hexaprenylbenzoic acid as a new intermediate in ubiquinone biosynthesis by Saccharomyces cerevisiae. Goewert RR, et al. **Biochemistry** 1981 Sep 15; 20(19):5611–6

The hydrolysis of dolichyl palmitate by intestinal mucosa. Keenan RW, et al. **Biochim Biophys Acta** 1982 Jun 11; 711(3):490–3

Biotransformation of epomediol. I—Isolation and identification of main metabolites in the rat. Ventura P, et al. **Biomed Mass Spectrom** 1982 Jan;9(1):18–21

Uptake and metabolism of polyprenols by animal cells cultured in vitro. Krajewska I, et al. **Biosci Rep** 1981 Dec; 1(12):893–902

Accumulation, distribution and depuration in trout of naphthenic and isoprenoid hydrocarbons (dodecylcyclohexane and pristane). Cravedi JP, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):154–61

Ipomeanol 4-glucuronide, a major urinary metabolite of 4-ipomeanol in the rat. Statham CN, et al. **Drug Metab Dispos** 1982 May–Jun;10(3):264–7

In vitro binding affinity of novel synthetic polyprenoids (polyprenoic acids) to cellular retinoid-binding proteins. Muto Y, et al. **Gan** 1981 Dec;72(6):974–7

Biosynthesis of (+/-)-alpha-pinene and (-)-beta-pinene from geranyl pyrophosphate by a soluble enzyme system from sage (Salvia officinalis). Gambliel H, et al. **J Biol Chem** 1982 Mar 10;257(5):2335–42

In vitro metabolic activation of the pulmonary toxin, 4-ipomeanol, in nonciliated bronchiolar epithelial (Clara) and alveolar type II cells isolated from rabbit lung. Devereux TR, et al. **J Pharmacol Exp Ther** 1982 Jan; 220(1):223–7

A comparative study on the metabolism of d-limonene and 4-vinylcyclohex-1-ene by hepatic microsomes. Watabe T, et al. **Xenobiotica** 1981 May;11(5):333–44

[Percutaneous absorption of various terpenes – menthol, camphene, limonene, isoborneol-acetate, alpha-pinene – from foam baths (author's transl)] Schäfer R, et al. **Arzneimittelforsch** 1982;32(1):56–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The simultaneous action of juvenile hormone analog, 1-(4'-ethylphenoxy)-6,7-epoxy-3,7-dimethyl-2-octene and organophosphorus insecticide trichlorfon in Blattella germanica L. species. Bilbic I, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun; 40(2):173–6

Odorous chemical perturbations of (Na+ + K+)-dependent ATPase activities. Effects on native and lipid-substituted preparations from individual turbinals from dog olfactory tissue. Dreesen TD, et al. **Biochem J** 1982 Apr 1; 203(1):69–75

Comparison of the promoting activity of pristane and n-alkanes in skin carcinogenesis with their physical effects on micellar models of biological membranes. Horton AW, et al. **Biochim Biophys Acta** 1981 Oct 20;648(1):107–12

Effect of epomediol on bile flow and composition in normal rats and in rats with ethynylestradiol-induced cholestasis. Zuin M, et al. **Farmaco [Prat]** 1981 Aug;36(8):383–9

Chemotherapeutic activity of polyhalogenated terpenes from Spanish algae. González AG, et al. **Planta Med** 1982 Jan; 44(1):44–6

Action of sobrerol on mucociliary transport. Allegra L, et

al. **Respiration** 1981;42(2):105–9

[Pharmacological studies on the antiasthmatic principle of essential oil of artemisia argyi—terpinenol-4 (author's transl)] Bian RL.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1981 Aug;4(4):203–6 (Eng. Abstr.) **(Chi)**

[Activity of sobrerol on the production and transport of tracheobronchial mucus in experimental animals] Scuri R, et al. **Boll Chim Farm** 1981 Jul;i20(7):392–9 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on Perillae Herba. I. Neuropharmacological action of water extract and perillaldehyde (author's transl)] Sugaya A, et al.
Yakugaku Zasshi 1981 Jul;101(7):642–8 (Eng. Abstr.) **(Jpn)**

POISONING

Reye-like syndrome due to margosa oil poisoning: report of a case with postmortem findings. Sinniah D, et al.
Am J Gastroenterol 1982 Mar;77(3):158–61

THERAPEUTIC USE

[Therapeutic effect of a new molecule, epomediol, in intrahepatic cholestasis] Pasetti GC, et al. **Clin Ter** 1982 May 31;101(4):371–86 (Eng. Abstr.) **(Ita)**

TOXICITY

Protective role of endogenous pulmonary glutathione and other sulfhydryl compounds against lung damage by alkylating agents. Investigations with 4-ipomeanol in the rat. Boyd MR, et al. **Biochem Pharmacol** 1982 Apr 15; 31(8):1579–83

[Toxicity of oligoisoprene dihydrazide (oligomer)] Shumskaia NI. **Gig Tr Prof Zabol** 1982 Feb;(2):56 **(Rus)**

URINE

Ipomeanol 4-glucuronide, a major urinary metabolite of 4-ipomeanol in the rat. Statham CN, et al.
Drug Metab Dispos 1982 May-Jun;10(3):264–7

TERPHENYL COMPOUNDS

METABOLISM

Organochlorine compounds and marine lipids. Addison RF.
Prog Lipid Res 1982;21(1):47–71 (226 ref.)

TOXICITY

Effects of polychlorinated terphenyls and paraffins on rat liver microsomal cytochrome P-450 and in vitro metabolic activities. Nilsen OG, et al. **Arch Toxicol** 1981 Mar; 47(1):1–11

TERRITORIALITY

Variable territoriality among tantalus monkeys in Cameroon. Kavanagh M. **Folia Primatol (Basel)** 1981;36(1–2):76–98

Behavioral characteristics of scent marking behavior in the Mongolian gerbil (Meriones unguiculatus). Yoshimura H. **Jikken Dobutsu** 1981 Apr;30(2):107–12

Increasing spatial awareness in undergraduate nursing students: a viable concept. Tyler LW. **JNE** 1982 Apr; 21(4):12–6

Melatonin and the adrenal cortex: relationship to territorial aggression in mice. Paterson AT, et al. **Physiol Behav** 1981 Dec;27(6):983–7

TERRORISM see **VIOLENCE**

TEST ANXIETY SCALE see under **PERSONALITY INVENTORY**

TEST-TUBE FERTILIZATION see **FERTILIZATION IN VITRO**

TESTICULAR DISEASES

[Bilateral and multiple ipsilateral torsion of the appendices testis in children (author's transl)] Bianchi M, et al.
Pediatr Med Chir 1981 Jul-Aug;3(4):313–4 **(Ita)**

BLOOD

Ferritin - another tumor marker for testicular malignancies. Engelmann U, et al. **Eur Urol** 1981;7(6):355–8

CHEMICALLY INDUCED

Gonadal function after combination chemotherapy for Hodgkin's disease in childhood. Whitehead E, et al.
Arch Dis Child 1982 Apr;57(4):287–91

Species differences in the testicular toxicity of phthalate esters. Gray TJ, et al. **Toxicol Lett** 1982 Apr;11(1–2):141–7

Testicular damage and change in serum LDH isozyme pattern induced by multiple sub-lethal doses of apholate in albino rats. Haqqi TM, et al. **Toxicol Lett** 1982 Jul; 12(2–3):199–205

[Gonadal hypotrophy and acute leukemia after chemotherapy for Hodgkin's disease. Report of a case (author's transl)] Lebreton C, et al. **Arch Fr Pediatr** 1981 Nov;38(9):697–9 **(Fre)**

COMPLICATIONS

Ocular and testicular abnormalities in alopecia areata. Brown AC, et al. **Arch Dermatol** 1982 Aug;118(8):546–54

Testicular feminization syndrome (TFS) associated with paragonadal cysts. Renold F, et al. **Clin Genet** 1982 Mar; 21(3):203–8

Mastocytosis occurring in the testes from patients with idiopathic male infertility. Maseki Y, et al. **Fertil Steril** 1981 Dec;36(6):814–7

[Male breast cancer associated with bilateral Leydig cell hyperplasia] Péter I, et al. **Orv Hetil** 1981 Nov 29; 122(48):2963–4 **(Hun)**

DIAGNOSIS

Immersion ultrasonography of scrotal and testicular pathology. Friedrich M, et al. **Eur J Radiol** 1981 Mar; 1(1):60–6

Testicular malacoplakia. Diaz Gonzalez R, et al. **J Urol** 1982 Feb;127(2):325–8

Prospective analysis of the value of scrotal ultrasound. Arger PH, et al. **Radiology** 1981 Dec;141(3):763–6

Immersion ultrasound of testicular pathology. Friedrich M, et al. **Radiology** 1981 Oct;141(1):235–7

Intratesticular cysts. Takihara H, et al. **Urology** 1982 Jul; 20(1):80–2

[A high resolution realtime ultrasonic procedure in the examination of the testis and epididymis] Terwey B, et al.
Rontgenpraxis 1981;34(8):339–42 **(Ger)**

[Current diagnostic and treatment problems of endocrine disorders of the gonads in children] Zhukovskiĭ MA, et al. **Pediatriia** 1982 Mar;(3):72–7 **(Rus)**

ETIOLOGY

Effect of oral zinc therapy on gonadal function in hemodialysis patients. A double-blind study. Mahajan SK, et al. **Ann Intern Med** 1982 Sep;97(3):357–61

Hyperglycemia induced testicular dysfunction after chronic administration of Balanites roxburghii planch fruit pulp extract in dogs Canis indicus L. Dixit VP, et al.
Indian J Exp Biol 1981 Oct;19(10):918–21

Sympathetic orchiopathia [letter] Wallace DM, et al.
Lancet 1981 Nov 21;2(8256):1173

IMMUNOLOGY

Delayed hypersensitivity to syngeneic testicular cells induced by intratesticular bacterial infection in guinea-pigs. Sanui H, et al. **Immunology** 1982 Jul;46(3):635–42

Avoidance of host defences by Treponema pallidum in situ and on extraction from infected rabbit testes. Penn CW.
J Gen Microbiol 1981 Sep;126(Pt 1):69–75

METABOLISM

Testicular reserve of testosterone precursors in primary testicular failure. Glass AR, et al. **Fertil Steril** 1982 Jul; 38(1):92–6

PARASITOLOGY

[Schistosomiasis of the testis] Franco Júnior SC, et al.
Rev Paul Med 1981 Jul-Sep;97(7–9):139–40 (Eng. Abstr.) **(Por)**

PATHOLOGY

Epididymal sperm granuloma. El-Beheiry AH, et al.
Arch Androl 1982 Feb;8(1):65–7

Testicular dracunculosis—a distinct clinical entity. Pendse AK, et al. **Br J Urol** 1982 Feb;54(1):56–8

Hyperplasia and the immature appearance of Sertoli cells in primary testicular disorders. Nistal M, et al.
Hum Pathol 1982 Jan;13(1):3–12

Testicular atrophy associated with agenesis of the epididymis in the ACI rat. Marshall FF, et al. **J Urol** 1982 Jan; 127(1):155–8

Sympathetic orchidopathia [letter] Harrison RG, et al.
Lancet 1982 Jan 16;1(8264):167

Tuberculosis of testis. Riehle RA Jr, et al. **Urology** 1982 Jul; 20(1):43–6

PHYSIOPATHOLOGY

Dissociation between sleep-related and TRH-induced prolactin secretion in seminiferous tubule failure. Spitz IM, et al. **Metabolism** 1982 Jan;31(1):10–3

[Congenital or acquired obstructions of the human epididymis: study of the motility of the spermatozoa above the obstruction] Guerin JF, et al.
Bull Assoc Anat (Nancy) 1981 Sep;65(190):297–306 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

[Potentials of functional scintigraphy in testicular diseases] Tsvetkov D, et al. **Khirurgiia (Sofiia)** 1981;34(3):268–74 (Eng. Abstr.) **(Bul)**

SURGERY

Does testicular mass always require orchiectomy? Godec CJ, et al. **Urology** 1982 Mar;19(3):263–8

VETERINARY

Abnormal spermatozoa, testicular degeneration, and varicocele in a ram. Ott RS, et al. **Am J Vet Res** 1982 Feb;43(2):241–5

Morphology of the epididymal region of turkeys producing abnormal yellow semen. Hess RA, et al. **Poult Sci** 1982 Mar;61(3):531–9

TESTICULAR FEMINIZATION

BLOOD

Effect of estrogens and progesterone on gonadotropin and prolactin release in a patient with androgen insensitivity. Nicoletti I, et al. **Obstet Gynecol** 1981 Oct;58(4):527–32

[Testicular feminization (author's transl)] Takeda J, et al.
Horumon To Rinsho 1981 Nov;29(11):1383–7 **(Jpn)**

COMPLICATIONS

Sertoli cell adenoma in Morris syndrome. Moneta E, et al.
Clin Exp Obstet Gynecol 1981;8(3):135–7

Testicular feminization syndrome (TFS) associated with paragonadal cysts. Renold F, et al. **Clin Genet** 1982 Mar; 21(3):203–8

DIAGNOSIS

Testicular feminization syndrome (androgen insensitivity). Marshall DG, et al. **J Pediatr Surg** 1981 Aug;16(4):465–70

DRUG THERAPY

Effect of danazol on gonadal steroidogenesis in patients with a complete form of testicular feminization. Reyniak JV, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):479–81

EMBRYOLOGY

[Feminization of embryonic chicken testicle by diethylstilbestrol and antagonistic action of tamoxifen] Samsel J, et al. **Biochimie** 1982 May;64(5):369–76 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

[Testicular feminization: report of two cases in the same family (author's transl)] Tamai A, et al.
Pediatr Med Chir 1981 Jul-Aug;3(4):319–21 **(Ita)**

[Complete testicular feminization in members of the same family (author's transl)] Migliorini G, et al. **Riv Biol** 1981; 74(1–2):208–11 (Eng. Abstr.) **(Ita)**

METABOLISM

Conversion of androgens to estrogens not dependent on testicular tissue in a patient with syndrome of total insensitivity to androgens. Rivas F, et al.
Arch Invest Med (Mex) 1982;13(1):37–41 **(Eng, Spa)**

Organ specific zinc deficiency in testicular feminization rats: hormone-metal interaction. Chan WY, et al.
Biochem Biophys Res Commun 1981 Sep 30;102(2):630–5

Cytosolic androgen receptor in skeletal muscle from normal and testicular feminization mutant (Tfm) rats. Max SR.
Biochem Biophys Res Commun 1981 Aug 14;101(3):792–9

Sexual dimorphism and the effects of the X-linked Tfm locus on hexobarbitone metabolism and action in mice. King DK, et al. **Br J Pharmacol** 1981 Sep;74(1):97–104

Induction of epidermal growth factor by tri-iodo-L-thyronine in the submandibular glands of mice with testicular feminization. Hosoi K, et al.
J Biochem (Tokyo) 1981 Jul;90(1):267–70

Human complete androgen insensitivity with normal dihydrotestosterone receptor binding capacity in cultured genital skin fibroblasts: evidence for a qualitative abnormality of the receptor. Brown TR, et al.
J Clin Endocrinol Metab 1982 Jul;55(1):61–9

Defective androgen action at the cellular level in the androgen resistance syndromes. I. Differences between the complete and incomplete testicular feminization syndromes. Medina M, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1243–6

Differences in proteins synthesized by fibroblasts from normal individuals and patients with complete testicular feminization. Risbridger GP, et al. **J Clin Invest** 1982 Jan; 69(1):99–103

OCCURRENCE

[Testicular feminization (author's transl)] Matsumoto K, et al. **Nippon Rinsho** 1981 Sep;39(9):3052–5 **(Jpn)**

PATHOLOGY

Sertoli cell adenoma in Morris syndrome. Moneta E, et al.
Eur J Gynaec Oncol 1981;2(2):48–50

[Testicular feminization syndrome in male pseudohermaphroditism with bilateral inguinal hernias a case report (author's transl)] Huang CS, et al.
Taiwan I Hsueh Hui Tsa Chih 1981 Dec;80(12):1362–6 (Eng. Abstr.) **(Chi)**

[Ultrastructure of the gonads in 2 cases of complete testicular feminization syndrome] Morano E, et al.
Minerva Ginecol 1981 Sep;33(9):761–9 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Congenital androgen insensitivity due to a qualitatively abnormal androgen receptor. Pinsky L, et al. **Am J Med Genet** 1981;10(1):91–9

Stromal–epithelial interactions—I. Induction of prostatic phenotype in urothelium of testicular feminized (Tfm/y) mice. Cunha GR, et al. **J Steroid Biochem** 1981 Dec; 14(12):1317–24

PREVENTION & CONTROL

[Tamoxifen antagonizes the feminizing effect of androgens in the chick embryo] Weniger JP, et al. **C R Seances Acad Sci [III]** 1981 Nov 2;293(8):451–2 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

[Psychosomatic of gender identity in a case of an atypical testicular feminizing syndrome (author's transl)] Badura HO, et al. **Psychother Psychosom Med Psychol** 1982 Jul; 32(4):107–10 (Eng. Abstr.) **(Ger)**

VETERINARY

Testicular feminisation in an Ayrshire cow. Long SE, et al. **Vet Rec** 1981 Aug 8;109(6):116–8

TESTICULAR HORMONES

ANALYSIS

A monoclonal antibody against bovine anti–Müllerian hormone. Vigier B, et al. **Endocrinology** 1982 Jan; 110(1):131–7

Inhibin–like activity and steroid content in human follicular fluid during the periovulatory period. Lefevre B, et al. **Int J Fertil** 1981;26(4):295–6

Presence of inhibin in testes of the Indian water buffalo Bubalus bubalis. Sahni G, et al. **Isr J Med Sci** 1981 Aug; 17(8):697–702

The use of 51Cr for assessing cytotoxicity in an in vitro bioassay for inhibin. Robertson DM, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):119–27

BIOSYNTHESIS

The ontogeny of Mullerian inhibiting substance in the gonads of the chicken. Hutson J, et al. **J Pediatr Surg** 1981 Dec; 16(6):822–7

Regulation of inhibin production by bovine ovarian cells in vitro. Henderson KM, et al. **J Reprod Fertil** 1981 Nov; 63(2):431–42

BLOOD

Responses of serum levels of testicular steroid hormones to hCG stimulation in patients with prostatic cancer and benign prostatic hypertrophy. Isurugi K, et al. **Prostate** 1981;Suppl 1:19–26

IMMUNOLOGY

Antisera to porcine follicular fluid in monkeys: neutralization of human and pig inhibin activity in vivo and in vitro. Channing CP, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):481–6

Monoclonal antibody to Mullerian inhibiting substance. Mudgett–Hunter M, et al. **J Immunol** 1982 Mar; 128(3):1327–33

ISOLATION & PURIFICATION

Studies on the purification of ovine inhibin. Baker HW, et al. **Ann NY Acad Sci** 1982;383:329–42 (26 ref.)

Isolation and characterization of inhibin from human seminal plasma. Ramasharma K, et al. **Ann NY Acad Sci** 1982; 383:307–28

Inhibin in human placenta. Bandivdekar AH, et al. **Indian J Exp Biol** 1981 Aug;19(8):744–5

Isolation & characterization of inhibin from human seminal plasma. Thakur AN, et al. **Indian J Exp Biol** 1981 Apr; 19(4):307–13

Mullerian inhibiting substance inhibits colony growth of a human ovarian carcinoma cell line. Fuller AF Jr, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1051–5

Inhibin–like activity in extracts of rabbit placentae. Hochberg Z, et al. **Placenta** 1981 Jul–Sep;2(3):259–64

[Purification of bovine antimullerian hormone using a monoclonal antibody] Josso N, et al. **C R Seances Acad Sci [III]** 1981 Nov 2;293(8):447–50 (Eng. Abstr.) **(Fre)**

METABOLISM

Distribution of inhibin in testes of neonatal, pubertal, and adult rats. Johnson MH, et al. **Arch Androl** 1981 Sep; 7(2):127–31

Binding of 3H–Sertoli cell factor to rat anterior pituitary in vitro. Steinberger A, et al. **Endocrinology** 1982 Aug; 111(2):696–8

Effect of testosterone on inhibin metabolism in male rats. Vanage GR, et al. **Indian J Exp Biol** 1981 Jul;19(7):601–3

An assessment of inhibin–like activity secreted by Sertoli cells in culture using castrated adult male rats. Nagendranath N, et al. **Int J Androl** 1982 Feb;5(1):92–102

PHARMACODYNAMICS

Effect of inhibin on rat testicular desoxyribonucleic acid (DNA) synthesis in vivo and in vitro. Franchimont P, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):312–20

Selective suppression of FSH as a possible approach for fertility regulation. Sheth AR, et al. **Arch Androl** 1981 Sep; 7(2):109–15

Inhibin interaction with LHRH receptors at the pituitary level. Sheth PR, et al. **Arch Androl** 1982 May;8(3):185–8

Effect of inhibin on ovulation and implantation in mice. Nandedkar TD, et al. **Contraception** 1981 Dec; 24(6):695–703

An improved in vitro model for the bioassay of inhibin using intact pituitaries from immature rats. Jose TM, et al. **Horm Metab Res** 1981 Nov;13(11):652–3

Biological studies with low and high molecular weight inhibin preparations. Vijayalakshmi S, et al. **Int J Androl** 1981 Dec;4(6):691–702

Mullerian inhibiting substance inhibits colony growth of a human ovarian carcinoma cell line. Fuller AF Jr, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1051–5

[Intracellular mechanism for the action of inhibin on the secretion of the follicular–stimulating hormone and luteinizing hormone induced by LH–RH in vitro] Lecomte–Yerna MJ, et al. **C R Soc Biol (Paris)** 1981; 175(3):385–8 (Eng. Abstr.) **(Fre)**

[The regulation of the function of the hypothalamo–hypophyso–ovarian axis throughout the menstrual cycle in normal women. II. Control of the secretion and release of gonadotrophins by progesterone, inhibin and the neurotransmitters and modulation of the ovarian response to gonadotrophins (author's transl)] Buvat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982; 11(2):227–35 (66 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effect of inhibin like factors on gonadotrophin release by the mouse pituitary in vitro. Ramasharma K, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):496–505

Alteration in the plasma testosterone: estradiol ratio: an alternative to the inhibin hypothesis. Sherins RJ, et al. **Ann NY Acad Sci** 1982;383:295–306

Anti–Müllerian hormone: a local or long–distance morphogenetic factor? Vigier B, et al. **Hum Genet** 1981; 58(1):85–90

Role of gonadal hormones in development of the sexual phenotypes. Wilson JD, et al. **Hum Genet** 1981;58(1):78–84

SECRETION

The effect of alkylating agents on the reproductive and hormonal testicular function in patients with rheumatoid arthritis. Lazowski Z, et al. **Scand J Rheumatol** 1982; 11(1):49–54

THERAPEUTIC USE

Mullerian inhibiting substance inhibits growth of a human ovarian cancer in nude mice. Donahoe PK, et al. **Ann Surg** 1981 Oct;194(4):472–80

TESTICULAR INTERSTITIAL CELLS see **LEYDIG CELLS**

TESTICULAR NEOPLASMS

Ultrasonographic evaluation of hepatic metastases in testicular tumour. Sekiya T, et al. **Br J Radiol** 1982 May; 55(653):338–41

Testicular carcinoma. Paulson DF. **Curr Probl Cancer** 1982 May;6(11):1–44 (97 ref.)

Duplicated inferior vena cava misinterpreted by computerized tomography as metastatic retroperitoneal testicular tumor. Cohen SI, et al. **J Urol** 1982 Aug; 128(2):389–91

Treatment of testicular yolk sac carcinoma in the young child. Kaplan WE, et al. **J Urol** 1981 Nov;126(5):663–4

Proceedings of the tumor board of the Children's Hospital of Philadelphia. Testicular leukemia: incidence and management results. Byrd RL. **Med Pediatr Oncol** 1981; 9(5):493–500

Testicular tumors of germ cell origin. 1. Epidemiology, pathogenesis, clinical presentation, and diagnosis. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):114–21

Testicular tumors of germ cell origin. Kaplan JH, et al. **Postgrad Med** 1981 Dec;70(6):125–7, 130–1

Seminoma presenting as gross splenomegaly. Willey RF, et al. **Scott Med J** 1982 Jul;27(3):254–5

[Testicular tumors] Le Guillou M, et al. **J Urol (Paris)** 1981; 87(6):331–406 **(Fre)**

[Mediastinal choriocarcinoma 10 years after testicular choriocarcinoma (letter)] Echinard E, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3495 **(Fre)**

ANALYSIS

Evaluation of PS beta 1G and other tumor markers in germ cell tumors of the testis. Blacker C, et al. **Andrologia** 1981 Sep–Oct;13(5):458–67

Cellular localization of AFP, hCG and its free subunits, and SP1 in embryonal carcinoma of the testis and ovary. Furumoto M. **Pathol Res Pract** 1981 Dec;173(1–2):12–21

[Immunochemical demonstration of beta–HCG in a testicular tumor of the seminomatous type] Carbone A, et al. **Pathologica** 1981 Sep–Oct;73(1027):805–10 (Eng. Abstr.) **(Ita)**

BLOOD

False–positive and false–negative alpha–feto protein and human chorionic gonadotropin assays in testicular cancer: a double blind study. Javadpour N, et al. **Cancer** 1981 Nov 15;48(10):2279–81

Lactic dehydrogenase in the monitoring and prognosis of testicular cancer. Lippert MC, et al. **Cancer** 1981 Nov 15; 48(10):2274–8

Ferritin – another tumor marker for testicular malignancies. Engelmann U, et al. **Eur Urol** 1981;7(6):355–8

Alphafetoprotein in mixed germ cell tumour (seminoma and embryonal carcinoma) of testis–a case report. Deshpande AD, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):205–8

Pregnancy specific beta 1 glycoprotein: a comparison of analysis by radioimmunoassay and enzyme linked immunosorbent assay observations on patients with malignant teratoma of testis. Pledger DR, et al. **J Clin Chem Clin Biochem** 1981 Sep;19(9):943–6

Tumor markers in patients with non–seminomatous germ cell tumors of the testis. Willemse PH, et al. **Oncodev Biol Med** 1981;2(1–2):117–28

[Biological markers for tumours of the testis. Their use in diagnosis, prognosis and follow–up in 200 cases (author's transl)] Bellet D, et al. **Nouv Presse Med** 1981 Nov 7; 10(40):3293–7 (Eng. Abstr.) **(Fre)**

[Value of beta–HCG blood levels in patients with malignant tumors of the testis] Kuber W, et al. **Onkologie** 1981 Aug; 4(4):221–5 (Eng. Abstr.) **(Ger)**

[Diagnostic value of serum alpha–fetoprotein determinations in malignant tumors of the testes] Akhverdova LN, et al. **Urol Nefrol (Mosk)** 1982 May–Jun;(3):23–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Quantitative changes in estrogen receptor produced by chronic DES treatment of two mouse strains differing in susceptibility to Leydig cell tumor induction. Terakawa N, et al. **J Steroid Biochem** 1982 May;16(5):643–52

Testicular tumour associated with hormonal treatment for oligospermia [letter] Neoptolemos JP, et al. **Lancet** 1981 Oct 3;2(8249):754

COMPLICATIONS

Malignant tumours of the undescended testis: a report of three cases. Quek HC, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):507–12

Sertoli cell tumour in a true hermaphrodite: suggestive evidence for ectopic gonadotrophin production by the tumour. Case report. Gunasegaram R, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1252–6

A case of bilateral intra–abdominal testes and seminomas in a previously unrecognised hermaphrodite. Kaisary AV, et al. **Br J Urol** 1982 Jun;54(3):323

Testicular tumours in maldescended testes. Fonger JD, et al. **Can J Surg** 1981 Jul;24(4):353–5

Testicular cancer in cryptorchids. Batata MA, et al. **Cancer** 1982 Mar 1;49(5):1023–30

The risk of spontaneous pneumothorax in patients with osteogenic sarcoma and testicular cancer. Smevik B, et al. **Cancer** 1982 Apr 15;49(8):1734–7

Sertoli cell adenoma in Morris syndrome. Moneta E, et al. **Clin Exp Obstet Gynecol** 1981;8(3):135–7

A boy with Leydig cell tumour and precocious puberty: ultrasonography as a diagnostic aid. Ilondo MM, et al. **Eur J Pediatr** 1981 Oct;137(2):221–7

Leydig cell tumor of testis in combination with left renal agenesis. Hering F, et al. **Eur Urol** 1982;8(3):188–90

Adrenocorticotropin–independent hypercortisolemia and testicular tumors in a patient with a pituitary tumor and gigantism. Rosenzweig JL, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):421–7

Hypercalcemia in association with a Leydig cell tumor in the rat: a model for tumor–induced hypercalcemia in man. Berger ME, et al. **Life Sci** 1982 May 3;30(18):1509–15

Gynecomastia due to a leydig cell tumour of the testis. Distiller LA, et al. **S Afr J Surg** 1981 Sep;19(3):173–6

Teratoma of testis and hyperthyroidism. Stromberg P, et al. **Scott Med J** 1981 Oct;26(4):346–7

Mesothelioma of the male genital tract in a patient with Maffucci's syndrome. Slaysman ML, et al. **South Med J** 1982 Aug;75(8):1007–10

Cavernous hemangioma of testis causing acute testicular infarction. Fossum BD, et al. **Urology** 1981 Sep;18(3):277–8

[Male breast cancer associated with bilateral Leydig cell hyperplasia] Péter I, et al. **Orv Hetil** 1981 Nov 29; 122(48):2963–4 **(Hun)**

[Premature sex development in a boy with a hormone–active testicular tumor] Semicheva TV. **Pediatriia** 1982 Apr;(4):69 **(Rus)**

[Seminoma, ionizing radiation and autoimmune hemolytic anemia] Buñuel C, et al. **Sangre (Barc)** 1981;26(4):519–21 **(Spa)**

CONGENITAL

Testicular gonadal stromal tumors in newborns. White JM, et al. **Urology** 1982 Aug;20(2):121–4

DIAGNOSIS

Sonographic detection of occult testicular neoplasms. Glazer HS, et al. **AJR** 1982 Apr;138(4):673–5

Placental alkaline phosphatase as a tumor marker for seminoma. Lange PH, et al. **Cancer Res** 1982 Aug; 42(8):3244–7

Immersion ultrasonography of scrotal and testicular pathology. Friedrich M, et al. **Eur J Radiol** 1981 Mar; 1(1):60–6

Rhabdomyosarcoma of the paratesticular tissues. Fortune A, et al. **J Urol** 1981 Oct;126(4):563–4

Accuracy of preoperative staging in stages A and B nonseminomatous germ cell testis tumors. Rowland RG, et al. **J Urol** 1982 Apr;127(4):718–20

Impact of delay in diagnosis on clinical stage of testicular cancer. Bosl GJ, et al. **Lancet** 1981 Oct 31;2(8253):970–3

Testicular leukaemic infiltrates at diagnosis of acute lymphoblastic leukaemia [letter] Meyers PA, et al. **Lancet** 1981 Oct 31;2(8253):984–5

The problem of testicular cancer: how health professionals in the armed services can help. Hongladarom T, et al. **Milit Med** 1982 Mar;147(3):211–3

Cancer detection information for high school students. Hongladarom G, et al. **Prog Clin Biol Res** 1981;57:197–8

Prospective analysis of the value of scrotal ultrasound. Arger PH, et al. **Radiology** 1981 Dec;141(3):763–6

Immersion ultrasound of testicular pathology. Friedrich M, et al. **Radiology** 1981 Oct;141(1):235–7

[Hydrocele of the testis – mature testicular teratoma in children. Differential diagnostic considerations] Hansen SL, et al. **Ugeskr Laeger** 1981 Jun 8;143(24):1538–9 (Eng. Abstr.) **(Dan)**

[Problems posed by successive bilateral cancers of the testicles] Biedermann C, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):377–81 (Eng. Abstr.) **(Fre)**

[Klinefelter's disease and leydigiomas. A report of one case (author's transl)] Lardennois B, et al. **J Urol (Paris)** 1981; 87(9):631–4 (Eng. Abstr.) **(Fre)**

[A new immersion ultrasound technique for the investigation of the scrotum (author's transl)] Claussen C, et al. **ROFO** 1980 Nov;133(5):465–40 (Eng. Abstr.) **(Ger)**

[The value of lymphographic criteria in the evaluation of malignant testicular tumors] Hofmann W, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):998–1001 **(Ger)**

[Ultrasonic spectroscopic examinations of pathologically altered testes] Heynemann H, et al. **Z Exp Chir** 1982; 15(2):103–7 (Eng. Abstr.) **(Ger)**

[Liposarcoma with paratesticular origin. Case report and discussion of the diagnostic and therapeutic problems] Uccheddu A, et al. **Minerva Urol** 1981 Apr–Jun;33(2):111–4 (Eng. Abstr.) **(Ita)**

[Histopathological and differential diagnosis of testicular tumors, with special reference to WHO's classification (author's transl)] Namiki T, et al. **Rinsho Byori** 1982 Mar; 30(3):299–306 **(Jpn)**

DRUG THERAPY

Cis-platinum in the treatment of testicular and other cancers. Williams SD, et al. **Adv Intern Med** 1982;27:531–45 (63 ref.)

Chemotherapy of testicular carcinomas. Monfardini S. **Anticancer Res** 1981;1(6):309–12

Gynecomastia after cytotoxic therapy for metastatic testicular cancer. Turner AR, et al. **Arch Intern Med** 1982 May;142(5):896–7

Significant factors in the optimal management of advanced stage germ cell carcinoma. Levi JA, et al. **Aust NZ J Med** 1982 Apr;12(2):147–52

The chemotherapy of testicular cancer. Drasga RE, et al. **CA** 1982 Mar–Apr;32(2):66–77

Nonseminomatous germ-cell cancer of the testis. Paschal BR, et al. **Cancer** 1982 Aug 15;50(4):668–71

VAB-3 combination chemotherapy of metastatic testicular cancer. Reynolds TF, et al. **Cancer** 1981 Aug 15; 48(4):888–98

Treatment experience with nonseminomatous testicular cancer in patients with stage II and stage III disease. Taylor HG, et al. **Cancer** 1981 Sep 1;48(5):1110–5

Nephrotoxicity of cis-diamminedichloride platinum (CDDP) during remission-induction and maintenance chemotherapy of testicular carcinoma. Meijer S, et al. **Cancer Chemother Pharmacol** 1982;8(1):27–30

VP16-213, cisplatinum, and adriamycin salvage therapy of refractory and/or recurrent nonseminomatous germ cell neoplasms. Mortimer J, et al. **Cancer Chemother Pharmacol** 1982;7(2–3):215–8

Reversal of recurrent laryngeal nerve palsy following VP16-213 combination therapy in a patient with metastatic teratoma of the testis. Rubery ED. **Cancer Chemother Pharmacol** 1982;7(2–3):219–21

Chemotherapy of disseminated seminoma with combination of cis-diamminedichloroplatinum (II) and cyclophosphamide. Vugrin D, et al. **Cancer Clin Trials** 1981 Winter;4(4):423–7

Alterations in thyroid hormone metabolism during chemotherapy in patients with testicular carcinoma. Willemse PH, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):303–13

Isolated testicular relapse five years after cessation of chemotherapy for acute lymphoblastic leukemia. Chu JY, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):376–7

Role of pulmonary function tests in the prevention of bleomycin pulmonary toxicity during chemotherapy for metastatic testicular teratoma. Lucraft HH, et al. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):133–9

Intratesticular germ cell tumors: observations on the effect of chemotherapy. Fowler JE Jr, et al. **J Urol** 1981 Sep; 126(3):412–4

Disseminated seminoma: re-evaluation of treatment protocols. Mendenhall WL, et al. **J Urol** 1981 Oct; 126(4):493–6

The value of AFP and HCG half lives in predicting the efficacy of combination chemotherapy in patients with non-seminomatous germ cell tumors of the testis. Willemse PH, et al. **Oncodev Biol Med** 1981;2(1–2):129–34

Single drug therapy in non-seminomatous germinal cell tumours of the testicle. Ekman P. **Scand J Urol Nephrol** 1982;16(1):37–43

Experience with germ cell tumors of testicle at University of Iowa. Devine AW Jr, et al. **Urology** 1981 Sep;18(3):262–7

Transient rise in tumor marker after initial adjuvant chemotherapy for testicular cancer. Wolf DJ, et al. **Urology** 1982 Jul;20(1):50–2

[Adjuvant therapy in malignant non-seminoma testicular neoplasms] Schreml W. **Aktuel Probl Chir Orthop** 1982; 22:66–7 **(Ger)**

[Individualized interval shortening in the chemotherapeutic induction treatment of solid tumors (author's transl)] Seeber S, et al. **Dtsch Med Wochenschr** 1981 Dec 25; 106(51–52):1741–4 (Eng. Abstr.) **(Ger)**

[Choriocarcinoma of the testis – tumor markers in chemotherapy] Fliege R, et al. **Internist (Berlin)** 1981 Oct; 22(10):645–8 **(Ger)**

[Side-effects of polychemotherapy in metastatic testicular neoplasms (author's transl)] Hartlapp JH, et al. **Klin Wochenschr** 1982 Mar 1;60(5):257–61 (Eng. Abstr.) **(Ger)**

[Modern chemotherapy of a malignant testicular tumors (author's transl)] Arnold H, et al. **Radiologe** 1981 Sep; 21(9):421–30 (Eng. Abstr.) **(Ger)**

[Treatment of non-seminomatous testicular tumors in combination with vinblastine/bleomycin and adriamycin/cisplatin] Boewer C, et al. **Z Urol Nephrol** 1982 May;75(5):315–23 (Eng. Abstr.) **(Ger)**

[Antineoplastic chemotherapy in the therapeutic plan of germinal testicular neoplasms] Vogler H, et al. **Z Urol Nephrol** 1982 May;75(5):307–13 (Eng. Abstr.) **(Ger)**

[Preliminary evaluation of cisplatin in the treatment of malignant testicular neoplasms other than seminomas] Madej G, et al. **Pol Tyg Lek** 1981 Jun 29;36(26):967–70 (Eng. Abstr.) **(Pol)**

[The value of Platinol in chemotherapy of advanced testicular cancer (author's transl)] Roth A, et al. **Lijec Vjesn** 1981 Sep;103(9):387–90 (Eng. Abstr.) **(Scr)**

[Chemotherapy of testicular tumors] Cortes Funes H, et al. **Actas Urol Esp** 1981 Sep–Oct;5(5):259–72 (63 ref.) **(Spa)**

ENZYMOLOGY

Serum lactate dehydrogenase isoenzyme 1 in patients with advanced testicular cancer. Liu F, et al. **Am J Clin Pathol** 1982 Aug;78(2):178–83

The aldolase and pyruvate kinase isoenzyme patterns in a malignant testicular tumor from a 27 year old male. Medras M, et al. **Andrologia** 1981 Sep–Oct;13(5):452–7

Acid phosphatases of dog testis and a Leydig cell tumor. Guha K, et al. **Arch Androl** 1982 Mar;8(2):79–85

Nuclear terminal deoxynucleotidyl transferase in leukaemic infiltrates of testicular tissue. Thomas JA, et al. **Br J Cancer** 1982 May;45(5):709–17

Immunoperoxidase study of alkaline phosphatase in testicular tumor. Uchida T, et al. **Cancer** 1981 Sep 15;48(6):1455–62

ETIOLOGY

Testicular malignancy after orchiopexy. Dias PS, et al. **Br J Urol** 1982 Jun;54(3):325

Testicular cancer in a Russell-Silver dwarf. Weiss GR, et al. **J Urol** 1981 Dec;126(6):836–7

FAMILIAL & GENETIC

Constitutive heterochromatin (C-banding) studies in patients with testicular malignancies. Robson MK, et al. **Cancer Genet Cytogenet** 1981 Dec;4(4):319–23

Dicentric Y chromosome in a patient with gonadal dysgenesis and seminoma. Ponzio G, et al. **Hum Genet** 1981; 58(3):282–4

Malignant testicular tumours in non-twin brothers. Finan PJ. **Postgrad Med J** 1981 Jul;57(669):469

IMMUNOLOGY

HLA antigens in patients with germ cell cancers of the testis. Pollack MS, et al. **Cancer Res** 1982 Jun;42(6):2470–3

Teratocarcinoma antigen is secreted by epididymal cells and coupled to maturing sperm. Fox N, et al. **Exp Cell Res** 1982 Feb;137(2):485–8

Cell-surface antigens of a clonal human embryonal carcinoma cell line: morphological and antigenic differentiation in culture. Andrews PW, et al. **Int J Cancer** 1982 May 15;29(5):523–31

Human antibodies recognizing the envelope glycoprotein of the baboon endogenous virus BaEV are of heterophil origin. Wernicke D, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):135–43

Immunoglobulin allotypes and nonseminoma testicular cancer. Ockhuizen T, et al. **Oncology** 1982 May–Jun; 39(3):152–5

H-2 antigen expression on teratocarcinoma cells passaged in genetically resistant mice is regulated by lymphoid cells. Ostrand-Rosenberg S, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7106–10

The expression of MHC antigens by human teratocarcinoma derived cell lines. Andrews PW, et al. **Tissue Antigens** 1981 May;17(5):493–500

METABOLISM

Steroid metabolism by a tumour of the specific gonadal stroma in a child. Barmach de Niepomniszcze A, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):624–9

In vitro synthesis of alpha-fetoprotein and human chorionic gonadotropin in testicular cancer. Javadpour N, et al. **Cancer** 1982 Jan 15;49(2):303–7

Gonadotrophin-producing seminoma: a distinct category of germ cell neoplasm. Morgan DA, et al. **Clin Radiol** 1982 Mar;33(2):149–53

Leydig cell tumor with gynecomastia: hormonal effects of an estrogen-producing tumor. Bercovici JP, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1291–6

Effects of hypocholesterolemia and chronic hormonal stimulation on sterol and steroid metabolism in a Leydig cell tumor. Ascoli M. **J Lipid Res** 1981 Nov;22(8):1247–53

[Immunohistochemical study of testicular tumor on cellular localization of HCG, alpha fetoprotein and beta 1 pregnancy specific glycoprotein--report of 48 cases (author's transl)] Shimatani N, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Sep;72(9):1164–76 (Eng. Abstr.) **(Jpn)**

MORTALITY

Is testicular cancer incidence related to marital status? Davies JM. **Int J Cancer** 1981 Dec;28(6):721–4

Improved survival rates among testis cancer patients in the United States. Li FP, et al. **JAMA** 1982 Feb 12;247(6):825–6

[Bilateral testicular tumors] Wold J, et al. **Tidsskr Nor Laegeforen** 1981 Nov 30;101(33):1880–1 (Eng. Abstr.) **(Nor)**

OCCURRENCE

Teratomas in adult Nigerians. Mabogunje OA, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):151–8

Testicular cancer in children and adolescents in Ibadan, Nigeria. Junaid TA. **Urology** 1981 Nov;18(5):510–3

[Cancer of the testis in previously undescended testes. A registration follow-up study] Andersen HJ, et al. **Ugeskr Laeger** 1981 Jun 29;143(27):1706–7 (Eng. Abstr.) **(Dan)**

[Clinical course of testicular tumors based on 20 years' experience] Szigeti A, et al. **Orv Hetil** 1982 Mar 14; 123(11):663–7 **(Hun)**

PATHOLOGY

Massive hyperplasia of testicular adrenal rests in a patient with Nelson's syndrome. Johnson RE, et al. **Am J Clin Pathol** 1982 Apr;77(4):501–7

Primary malignant carcinoid of the testis. Sullivan JL, et al. **Arch Pathol Lab Med** 1981 Oct;105(10):515–7

Endobronchial metastasis from testicular seminoma [letter] Varma VA, et al. **Arch Pathol Lab Med** 1981 Dec; 105(12):680

Prognostic factors in clinical stage I non-seminomatous germ-cell tumours of the testis. Raghavan D, et al. **Br J Cancer** 1982 Feb;45(2):167–73

Stage C pure choriocarcinoma of the testis: a potentially curable lesion. Brigden ML, et al. **CA** 1982 Mar–Apr; 32(2):82–4

Autopsy findings in 154 patients with germ cell tumors of the testis. Bredael JJ, et al. **Cancer** 1982 Aug 1;50(3):548–51

Malignant interstitial cell tumor of the testis. Chen KT, et al. **Cancer** 1982 Feb 1;49(3):547–52 (33 ref.)

Malignant Leydig cell tumor: clinical, histologic and electron microscopic features. Feldman PS, et al. **Cancer** 1982 Feb 15;49(4):714–21

Malignant mesothelioma of the tunica vaginalis testis: report of first case with preoperative diagnosis. Japko L, et al. **Cancer** 1982 Jan 1;49(1):119–27

Elevated serum alphafetoprotein and seminoma: clinical evidence for a histologic continuum? Raghavan D, et al. **Cancer** 1982 Sep 1;50(5):982–9

Origin of adenomatoid tumor: a comparison between the structure of adenomatoid tumor and epididymal duct cells. Söderström KO. **Cancer** 1982 Jun 1;49(11):2349–57

Testicular lymphomas: a clinicopathologic study of 35 cases. Turner RR, et al. **Cancer** 1981 Nov 1;48(9):2095–102

Results of testicular tumour management bases on lymphographic staging. Holmes ME. **Clin Radiol** 1981 Nov; 32(6):683–6

Bilateral incipient germ cell tumours of the testis in the incomplete testicular feminization syndrome. Nogales FF Jr, et al. **Histopathology** 1981 Sep;5(5):511–5

Germ cell tumors in man, pleiotropic mice, and continuity of germplasm and somatoplasm. Friedman NB, et al.

Hum Pathol 1981 Sep;12(9):772–6
Plasmacytoma of the testis. Mehta PA, et al. **Indian J Cancer** 1981 Jun;18(2):169–70
Paratesticular tumour (fibroma). Sharma VP, et al. **Indian J Cancer** 1981 Jun;18(2):167–8
Yolk sac tumour of testis (A report of 7 cases and review of literature). Muley PR, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):81–4
A comparative study of eight cell lines derived from human testicular teratocarcinoma. Andrews PW, et al. **Int J Cancer** 1980 Sep 15;26(3):269–80
Pure seminoma. Mittal B, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):649–51
Distribution of nodal metastases in nonseminomatous testis cancer. Donohue JP, et al. **J Urol** 1982 Aug;128(2):315–20
Adenomatoid tumor in a cryptorchid testis [letter] Phelps CT, et al. **J Urol** 1981 Nov;126(5):709
Microinvasive germ cell tumors of the testis. von Eyben FE, et al. **J Urol** 1981 Dec;126(6):842–4
Correlation of serum tumor markers and lymphangiography with degrees of nodal involvement in surgical stage II testis cancer. Vugrin D, et al. **J Urol** 1982 Apr;127(4):683–4
Pretreatment testicular biopsy in childhood acute lymphocytic leukaemia. Kim TH, et al. **Lancet** 1981 Sep 26;2(8248):657–8
Unusual cause of increased intracranial pressure from metastatic germ cell cancer. Scalzo AJ, et al. **Med Pediatr Oncol** 1982;10(1):1–5
Metastatic anaplastic seminoma with elevated HCG marker: case report. Mabry EW, et al. **Milit Med** 1982 Feb; 147(2):104–5
Frozen section diagnosis in tumors of the testis. Possibilities, limitations, indications. Hermanek P. **Pathol Res Pract** 1981 Dec;173(1–2):54–65
Adenomatoid tumor of the male genital tract: report of three cases, one associated with adrenal cortical rest. Lodeville D, et al. **Pathologica** 1981 Jul–Aug;73(1026):629–37 (53 ref.)
[Leiomyoma of the epididymis. Report of a case. Marasà L, et al. **Pathologica** 1981 Jul–Aug;73(1026):677–80
An extrarenal Wilms' tumour arising from an undescended testis. Ho J, et al. **Pathology** 1981 Jul;13(3):619–24
Angiofibroma of the epididymis. Mathew T. **Pathology** 1981 Jul;13(3):625–30
'Malignant' macroscopic appearance of an inflammatory testicular lesion—a reminder for surgeons. Sternberg A, et al. **Postgrad Med J** 1981 Apr;57(666):259–61
Value of testicular biopsy in diagnosing carcinoma in situ testis. Berthelsen JG, et al. **Scand J Urol Nephrol** 1981; 15(3):165–8
Adenomatoid tumour—a report of two cases. Kothare SN. **Singapore Med J** 1981 Jun;22(3):166–7
Tumor of the testis: an attempt of histological classification according to WHO guide line. Mukada T, et al. **Tohoku J Exp Med** 1981 Aug;134(4):367–73
Adenocarcinoma of rete testis. Goldstein J, et al. **Urology** 1981 Sep;18(3):298–9
Bilateral primary germ cell tumors of testis. Hoekstra HJ, et al. **Urology** 1982 Feb;19(2):152–4
Epidermoid cyst of testis: benign intratesticular tumor. Rao KG, et al. **Urology** 1982 Jun;19(6):662–4
Fibrous pseudotumor of testicular tunic. Sajjad SM, et al. **Urology** 1982 Jan;19(1):86–8
Bilateral testicular germ cell malignancy. Ware SM, et al. **Urology** 1982 Apr;19(4):366–72
Mitotic count in seminomas—an unreliable criterion for distinguishing between classical and anaplastic types. von Hochstetter AR. **Virchows Arch [Pathol Anat]** 1981; 390(1):63–9
[Leydig cell tumor] Tjon Pian Gi NP, et al. **Ned Tijdschr Geneeskd** 1981 Aug 22;125(34):1373–6 (Eng. Abstr.) **(Dut)**
[Atypical intratubular germ cells and testicular germ cell tumors in children (author's transl)] Guinand S, et al. **Ann Pathol** 1981;1(4):251–7 (Eng. Abstr.) **(Fre)**
[Papillary mesothelioma of the left spermatic cord and tunica vaginalis] Bandelier D, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):369–75 (Eng. Abstr.) **(Fre)**
[Epidermoid cyst of the testis. Six cases (author's transl)] Lobel B, et al. **J Urol (Paris)** 1982;88(2):101–3 (Eng. Abstr.) **(Fre)**
[Examination of testicular neoplasms in wide-surface incisions] Hermanek P. **Pathologe** 1982 May;3(3):160–3 **(Ger)**
[Examination of the growth behavior of lung metastases of testicular tumours (author's transl)] Kob D, et al. **Radiobiol Radiother (Berl)** 1981;22(6):759–70 (Eng. Abstr.) **(Ger)**
[Epidermoid cyst of the testis, clinical, pathologic and therapeutic aspects (author's transl)] Kröpfl D, et al. **Urologe [Ausg A]** 1982 May;21(3):166–8 **(Ger)**
[Cavernous hemangioma of the testis] Fél P, et al. **Orv Hetil** 1982 Apr 4;123(14):859 **(Hun)**
[Studies on human germ cell tumor. Establishment of AFP producing tumor line (JTG-1) in nude mice from human testicular tumor (embryonal carcinoma with seminoma) and its characteristics (author's transl)] Machida T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1527–33 (Eng. Abstr.) **(Jpn)**
[Five cases of bilateral testicular tumors: a review of 118 cases in Japanese literature (author's transl)] Yoshida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr; 72(4):460–72 (Eng. Abstr.) **(Jpn)**
[Pathology of germ cell tumors, with special reference to comparison of various classifications] Namiki T, et al. **Rinsho Byori** 1981 Aug;29(8):821–30 **(Jpn)**
[Clinical observations of testicular involvement in childhood acute leukemia (author's transl)] Tsuji K, et al. **Rinsho Ketsueki** 1981 Sep;22(9):1412–9 (Eng. Abstr.) **(Jpn)**
[Neck tumor as the first sign of embryonal testicular carcinoma] Pukacki F. **Pol Tyg Lek** 1982 Apr 19; 37(7):197–8 (Eng. Abstr.) **(Pol)**
[Role of atypical sex cells in the histogenesis of germinative testicular tumors] Romanenko AM, et al. **Arkh Patol** 1982; 44(2):22–8 (Eng. Abstr.) **(Rus)**
[Mature teratoma in the repositioned testis in bilateral cryptorchism] Antonov NM, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):52–3 **(Rus)**
[Leydig cell tumor: a personal observation and review of the literature] Rodriguez Tolra J, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):55–8 (Eng. Abstr.) **(Spa)**
[Testicular teratocarcinoma with differentiated retroperitoneal metastasis] Toro Rojas M, et al. **Actas Urol Esp** 1982 May–Jun;6(3):193–6 (Eng. Abstr.) **(Spa)**
[Testicular biopsies in childhood ALL (author's transl)] Ortega JJ, et al. **An Esp Pediatr** 1981 Apr;14(4):239–46 (Eng. Abstr.) **(Spa)**
[Leukemic testicular infiltrates in boys with acute lymphoblastic leukemia (ALL) (author's transl)] Ortega JJ, et al. **Med Clin (Barc)** 1982 Jan 25;78(2):45–51 (Eng. Abstr.) **(Spa)**
[Testicular relapses in childhood acute lymphoid leukaemia (author's transl)] Ortega JJ, et al. **Sangre (Barc)** 1981; 26(2):168–79 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Alkaline phosphatase isozymes as possible markers of differentiation in human testicular teratocarcinoma cell lines. Benham FJ, et al. **Dev Biol** 1981 Dec;88(2):279–87
Reversible and irreversible stages in the transition of cell surface marker during the differentiation of pluripotent teratocarcinoma cell induced with retinoic acid. Ogiso Y, et al. **Exp Cell Res** 1982 Feb;137(2):365–72
Hypereninemic hypoaldosteronism in association with neoplasia induced hypercalcemia in the Fischer rat. Sowers JR, et al. **Metabolism** 1981 Oct;30(10):987–91
Evaluation of lung ventilation and carbon monoxide–diffusing capacity in patients with nonseminomatous testicular tumors treated with bleomycin. Pagnoni A, et al. **Tumori** 1982 Feb 28;68(1):85–9

PSYCHOLOGY

Disabilities and how to live with them. Teratoma of the testis. Moreland C. **Lancet** 1982 Jul 24;2(8291):203–5

RADIOGRAPHY

Antegrade spermatic phlebography in the diagnosis of metastases from testicular tumors. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):255–9
Staging of testicular carcinoma: comparison of CT and lymphangiography. Thomas JL, et al. **AJR** 1981 Nov; 137(5):991–6
Computed tomography in the radiology of testicular teratomas. Katz D, et al. **Clin Radiol** 1981 Nov;32(6):679–82
Lymphography in the diagnosis of non-seminoma tumours of the testis. Wobbes T, et al. **J Surg Oncol** 1982 Jan; 19(1):1–4
Computerized tomography: how accurate for abdominal staging of testis tumors? Richie JP, et al. **J Urol** 1982 Apr; 127(4):715–7
CT estimations of mean attenuation values and volume in testicular tumors: a comparison with surgical and histologic findings. Husband JE, et al. **Radiology** 1982 Aug; 144(3):553–8
Malignant (androblastoma) Sertoli cell tumor of testes. Herrera LO, et al. **Urology** 1981 Sep;18(3):287–90
Microcalcifications in testicular malignancy: diagnostic tool in occult tumor? Ikinger U, et al. **Urology** 1982 May; 19(5):525–8
[Indirect X-ray signs of metastatic affection of the lumbar lymph nodes in testicular tumours (author's transl)] Kasal J, et al. **Cesk Radiol** 1982 Mar;36(2):97–102 (Eng. Abstr.) **(Cze)**
[Usefulness of funicular lymphadenography in the diagnosis of lymphatic metastases of testicular tumors] Accarpio G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):225–8 (17 ref.) **(Ita)**
[Comparative value of computerized tomography and lymphography in assessing the spread of the neoplastic process in testicular neoplasms] Zaborowski Z. **Nowotwory** 1981 Jul–Dec;31(3–4):207–16 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

67 Ga imaging incorporating administration of iron. Sephton R, et al. **Int J Nucl Med Biol** 1981;8(4):341–8
Human chorionic gonadotropin radioantibodies in the radioimmunodetection of cancer and for disclosure of occult metastases. Goldenberg DM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7754–8
[Clinical evaluation of tumor positive imaging with I-125 (or -131)-labeled anti-human AFP specific antibody for AFP producing tumor line (JTG-1) and clinical cases (author's transl)] Yanagisawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1559–68 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Megavoltage irradiation for pure testicular seminoma: results and patterns of failure. Dosoretz DE, et al. **Cancer** 1981 Nov 5;48(10):2184–90
Recovery from aspermia induced by low-dose radiation in seminoma patients. Hahn EW, et al. **Cancer** 1982 Jul 15; 50(2):337–40
Lymphomas of the testis–results of treatment 1960–77. Read G. **Clin Radiol** 1981 Nov;32(6):687–92
Radiotherapy in seminoma: more is not better. Einhorn LH. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):309–10
Radiation therapy of seminoma of the testis. Qian T, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):717–20
Seminoma of the testis: results of treatment and patterns of failure after radiation therapy. Thomas GM, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):165–74
Radiation therapy of testicular non-seminomas. van der Werf-Messing B, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):175–8
Anaplastic seminoma: an analysis of eight cases with literature review. Jose B, et al. **J Surg Oncol** 1981; 18(4):331–4
Radiation therapy for nonseminomatous germ cell tumors of the testis: a reappraisal. Clements JC, et al. **J Urol** 1981 Oct;126(4):490–2
Radiation-induced sarcoma following radiotherapy for testicular tumor. Lynch DF Jr, et al. **J Urol** 1981 Dec; 126(6):845–6
Testicular irradiation in leukaemia [letter] Kay H, et al. **Lancet** 1981 Nov 14;2(8255):1115
Non-Hodgkin lymphoma of the testis. Tepperman BS, et al. **Radiology** 1982 Jan;142(1):203–8
[Changes in the spermiogram in patients irradiated for testicular tumours (author's transl)] Konečný M, et al. **Cesk Radiol** 1982 Mar;36(2):120–3 (Eng. Abstr.) **(Cze)**
[Testicular seminoma: apropos of 30 cases] Laverdière J. **Union Med Can** 1981 Oct;110(10):905–6 (Eng. Abstr.) **(Fre)**
[Radiologic therapy of testicular seminomas] Heider KM, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):7–14 (Eng. Abstr.) **(Ger)**
[Radiation therapy of testicular tumors (author's transl)] Wannenmacher M. **Radiologe** 1981 Sep;21(9):414–20 (Eng. Abstr.) **(Ger)**
[Seminoma of the testis—analysis on radiation therapy and result (author's transl)] Shibuya H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Dec; 40(12):1146–52 (Eng. Abstr.) **(Jpn)**

SECONDARY

Isolated testicular leukemia following bone marrow transplant for acute lymphocytic leukemia. The need for pretransplant testicular biopsies. Cairo M, et al. **Am J Pediatr Hematol Oncol** 1982 Spring;4(1):41–4
Testicular mass: an initial sign of colon carcinoma. Moore JB, et al. **Cancer** 1982 Jan 15;49(2):411–2
Sequential germ cell tumor without prior involvement of the testes. Pennacchio JL, et al. **J Urol** 1981 Dec;126(6):838–41
Nonlymphomatous metastatic tumor to the testis. Werth V, et al. **J Urol** 1982 Jan;127(1):142–4
Epididymal metastasis from prostatic carcinoma. Addonizio JC, et al. **Urology** 1981 Nov;18(5):490–1
[Testicular relapse in acute lymphocytic leukemia of children (author's transl)] Fujiu M, et al. **Rinsho Ketsueki** 1982 Jan; 23(1):33–9 (Eng. Abstr.) **(Jpn)**

SURGERY

The role of abdominal surgery in the treatment of advanced testicular germ cell tumours. Jones BM, et al. **Br J Surg** 1982 Jan;69(1):4–6
Sertoli cell tumour: a reappraisal of management. Abate S, et al. **Br J Urol** 1981 Oct;53(5):475
Elective delayed excision of bulky para-aortic lymph node metastases in advanced non-seminoma germ cell tumours of testis. Hendry WF, et al. **Br J Urol** 1981 Dec; 53(6):648–53
Orchidectomy alone for stage I testicular teratoma. Stout R, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):885
Lymphadenectomy for testicular carcinoma. Laplante MP, et al. **Can J Surg** 1982 May;25(3):262–6
Surgical resection in disseminated testicular cancer following chemotherapeutic cytoreduction. Einhorn LH, et al. **Cancer** 1981 Aug 15;48(4):904–8
Role of chemotherapy and surgery in the treatment of thoracic metastases from nonseminomatous germ cell testis tumor. Vugrin D, et al. **Cancer** 1982 Sep 15;50(6):1057–60
Surgical treatment of clinical stage I nonseminomatous germ cell tumors of the testis. Whitmore WF Jr. **Cancer Treat Rep** 1982 Jan;66(1):5–10
Necessary extent of lymph node dissection in testicular tumours. A histopathological investigation. Hermanek P, et al. **Eur Urol** 1982;8(3):135–44
Malignant mesothelioma of the tunica vaginalis testis. Hollands MJ, et al. **Eur Urol** 1982;8(2):121–2
Surgical Grand Rounds. Management of testicular tumors.

IMJ 1982 Feb;161(2):123–8
Testicular function after unilateral orchiectomy for cancer and before further treatment. Fossâ SD, et al. **Int J Androl** 1982 Apr;5(2):179–84
Treatment of testicular tumors arising in patients with previous inguinal and/or scrotal surgery. Lanteri VJ, et al. **J Urol** 1982 Jan;127(1):58–9
Ejaculation and fertility after extended retroperitoneal lymph node dissection for testicular cancer. Narayan P, et al. **J Urol** 1982 Apr;127(4):685–8
Complications of thoracoabdominal retroperitoneal lymph node dissection. Skinner DG, et al. **J Urol** 1982 Jun; 127(6):1107–10
Pathological stage ie lymphoma of the testis treated by local surgery alone. Kissin MW, et al. **Postgrad Med J** 1982 May; 58(679):305–6
Complications of retroperitoneal lymphadenectomy in the management of nonseminomatous tumors of the testis. Waters WB, et al. **Surg Gynecol Obstet** 1982 Apr; 154(4):501–4
Cytoreductive surgery for advanced nonseminomatous germ cell tumors of testis. Brenner J, et al. **Urology** 1982 Jun; 19(6):571–5
Does testicular mass always require orchiectomy? Godec CJ, et al. **Urology** 1982 Mar;19(3):263–8
Retroperitoneal lymphadenectomy for germ cell tumor of testis in association with horseshoe kidney. Sogani PC, et al. **Urology** 1981 Nov;18(5):446–52
The treatment of infantile embryonal carcinoma (Yolk–Sac Tumour) of the testis in children. Wobbes T, et al. **Z Kinderchir** 1981 Aug;33(4):349–54
[Should all embryonal carcinomas of the testis be treated with lombo–aortic lymphnode curettage] Aubert J, et al. **J Urol (Paris)** 1982;88(3):181–3 **(Fre)**
[Surgical therapy of germinal testicle tumors (author's transl)] Weissbach L, et al. **Radiologe** 1981 Sep;21(9):403–13 (Eng. Abstr.) **(Ger)**
[Role of retroperitoneal lymphadenectomy in the treatment of seminoma] Csapó Z, et al. **Z Urol Nephrol** 1981 Oct; 74(10):735–41 **(Ger)**
[The significance of lymphography for the therapy of testicular tumors] Knüpper H, et al. **Zentralbl Chir** 1982; 107(2):120–4 **(Ger)**
[Biopsy of retroperitoneal lymph nodes and lymph node dissection in cases of seminoma] Csapó Z, et al. **Orv Hetil** 1981 Jul 12;122(28):1707–11 **(Hun)**
[Impotence following retroperitoneal lymph node dissection in patients with testicular tumors] Fehér M, et al. **Orv Hetil** 1981 Oct 25;122(43):2659–61 **(Hun)**

THERAPY

Optimal management of clinical stage I nonseminomatous testicular carcinoma: one oncologist's view. Glatstein E. **Cancer Treat Rep** 1982 Jan;66(1):11–4
An introduction to current controversies in cancer management: stage I testicular cancer–a case in point. Hubbard SM, et al. **Cancer Treat Rep** 1982 Jan;66(1):1–3
Clinical stage I testis tumors: the medical oncologist's view. Williams SD, et al. **Cancer Treat Rep** 1982 Jan;66(1):15–8
The treatment of advanced testicular carcinoma with high dose chemotherapy and autologous marrow support. Blijham G, et al. **Eur J Cancer** 1981 Apr;17(4):433–41
Patterns of care outcome studies: results of the national practice in seminoma of the testis. Hanks GE, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1413–7
Cytoreductive surgery for metastatic testis cancer: tissue analysis of retroperitoneal masses after chemotherapy. Donohue JP, et al. **J Urol** 1982 Jun;127(6):1111–4
Management of nonseminomatous testicular cancer—a total community experience. MacDonald RN, et al. **J Urol** 1981 Dec;126(6):750–2
Advanced metastatic testicular cancer: the need for reporting results according to initial extent of disease. Skinner DG. **J Urol** 1982 Aug;128(2):312–4
Adjuvant therapy of testicular carcinoma. Schmidt CG. **Recent Results Cancer Res** 1982;80:269–76
Anatomical considerations in suprahilar lymph node dissection for testicular tumors. Schmeller NT, et al. **Urol Int** 1981;36(6):341–5
[The results of combined treatment for testicular tumours. Report of 12 cases (author's transl)] Osterhage HR, et al. **J Urol (Paris)** 1982;88(2):97–9 (Eng. Abstr.) **(Fre)**
[Role of lymphadenectomy in stages I and II of non–seminoma tumors. Report of their modern chemotherapy (author's transl)] Schindler E, et al. **J Urol (Paris)** 1982;88(5):295–9 (Eng. Abstr.) **(Fre)**
[Treatment of non seminomatous testicular tumors (author's transl)] Olier C. **Sem Hop Paris** 1981 Dec 18–25; 57(47–48):2039–45 (Eng. Abstr.) **(Fre)**
[The effect of the anti–human AFP–specific antibody on AFP producing tumor line (JTG–1) in nude mice (author's transl)] Yanagisawa M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1569–76 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

An ultrastructural study on germinoma cells. Koide O, et al. **Acta Pathol Jpn** 1981 Sep;31(5):755–66
Benign hemangioendothelioma of the testis: case report with electron microscopic documentation and review of the literature. Hargreaves HK, et al. **Am J Clin Pathol** 1982 May;77(5):637–42
Papillary adenocarcinoma of the rete testis: a case report. Fukunaga M, et al. **Cancer** 1982 Jul 1;50(1):134–8
Diagnosis of testicular leukemia [letter] Masera C, et al. **J Pediatr** 1982 Aug;101(2):314
Coexisting rete testis adenoma and gonadoblastoma. Altaffer LF 3d, et al. **J Urol** 1982 Feb;127(2):332–5
Pleomorphic atypical thyroid adenoma arising in struma testis: light microscopic, ultrastructural and immunofluorescent studies. Waxman M, et al. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):13–7

VETERINARY

Seminoma in a pigeon. Turk JR, et al. **Avian Dis** 1981 Jul–Sep;25(3):752–5
Prostatic adenocarcinoma with concurrent Sertoli cell tumor in a dog. Gill CW. **Can Vet J** 1981 Jul;22(7):230–3
Histopathologic observations on Sertoli cell tumors in dog. Finazzi M, et al. **Tumori** 1981 Oct 31;67(5):391–8
Spontaneous mesotheliomas in Han: WIST rats. Deerberg F, et al. **Z Versuchstierkd** 1981;23(5):296–302

TESTICULAR TORSION see **SPERMATIC CORD TORSION**

TESTIS

see related
CASTRATION

Culture of testicular cells in hormone–supplemented serum–free medium. Mather JP, et al. **Ann NY Acad Sci** 1982;383:44–68 (32 ref.)
Papillary adenocarcinoma of the rete testis: a case report. Fukunaga M, et al. **Cancer** 1982 Jul 1;50(1):134–8
A rare complication of transpubic urethroplasty [letter] Lau WY, et al. **J Urol** 1982 Feb;127(2):342
Operative procedure for the collection of rete testis fluid from conscious sheep. Ellery A, et al. **Lab Anim** 1981 Apr; 15(2):187–8
Adenocarcinoma of rete testis. Goldstein J, et al. **Urology** 1981 Sep;18(3):298–9
Further clinical experience with testis hypothermia for infertility due to poor semen. Zorgniotti AW, et al. **Urology** 1982 Jun;19(6):636–40

ABNORMALITIES

Escalante syndrome and the marker X chromosome [letter] Vianna–Morgante AM, et al. **Am J Med Genet** 1982 Jun; 12(2):237–40
Coincident torsion of appendix testis and spermatic cord. Hutchinson GH. **Br J Urol** 1982 Jun;54(3):322
Testicular hypoplasia in a bull with XX/XY chimerism. Bongso TA, et al. **Cornell Vet** 1981 Oct;71(4):376–82
Transverse testicular ectopia. Gauderer MW, et al. **J Pediatr Surg** 1982 Feb;17(1):43–7
Splenic–gonadal fusion: identification by radionuclide scanning. McLean GK, et al. **J Pediatr Surg** 1981 Aug;16(4 Suppl 1):649–51
Prevascular femoral hernia with ectopic testis in an infant. Marshall DG, et al. **J Pediatr Surg** 1981 Aug;16(4):519–20
Splenic–gonadal infusion: case report and review of the literature. Ceccacci L, et al. **J Urol** 1981 Oct;126(4):558–9
Identical twins discordant for the 'rudimentary testes' syndrome. Glass AR. **J Urol** 1982 Jan;127(1):140–1
Macroorchidism, mental retardation, and the fragile X [letter] Nielsen KB, et al. **N Engl J Med** 1981 Nov 26;305(22):1348
Mental retardation, megalotestes and a marker X chromosome. Fitzsimmons J, et al. **Practitioner** 1982 Apr; 226(1366):735–41
Quantitative macroscopic and histological study of testicular hypoplasia in Bos indicus strain bulls. Krishnalingam V, et al. **Res Vet Sci** 1982 Mar;32(2):131–9
A recognizable syndrome of sex–linked mental retardation, large testes, and marker X chromosome. Hecht JT, et al. **South Med J** 1981 Dec;74(12):1493–6
Polyorchidism with normal spermatogenesis–a case report. Hsieh TS. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun; 80(6):643–8
Unusual cardiac malformations in splenogonadal fusion–peromelia syndrome: relationship to normal development. Loomis KF, et al. **Teratology** 1982 Feb; 25(1):1–9
Urologic anomalies associated with hypospadias. Khuri FJ, et al. **Urol Clin North Am** 1981 Oct;8(3):565–71
Transverse testicular ectopia with persistent Müllerian duct. Fourcroy JL, et al. **Urology** 1982 May;19(5):536–8
Transverse testicular ectopia. Golladay ES, et al. **Urology** 1982 Feb;19(2):181–6
Congenital malposition of a descended testis in a pig. Akusu MO. **Vet Rec** 1982 Mar 27;110(13):308
[Mental retardation, macroorchidism and hereditary X–chromosome abnormality, fra(X) (q28). A new syndrome] Nielsen KB, et al. **Ugeskr Laeger** 1981 Jul 6; 143(28):1747–51 (Eng. Abstr.) **(Dan)**
[Iconography No. 11. Multiple heterotopic development of the testes in hermaphroditismus ambiglandularis] Schoon HA, et al. **DTW** 1981 Nov 5;88(11):491 **(Ger)**
[Testicular ectopia in adults] Bandhauer K, et al. **Helv Chir Acta** 1981 Aug;48(3–4):349–54 (Eng. Abstr.) **(Ger)**
[Triorchism in pseudohermaphroditismus masculinus internus (author's transl)] Siafarikas K, et al. **Klin Padiatr** 1982 Jan; 194(1):68–71 (Eng. Abstr.) **(Ger)**
[Non–union of the testicle with the epididymis in undescended testis (author's transl)] Procher G, et al. **Z Kinderchir** 1981 Feb;32(2):167–71 (Eng. Abstr.) **(Ger)**
[Transverse testicular ectopia. Report of a case, concept and review of the literature] Brito M de A, et al. **AMB** 1981 Sep;27(9):275–6 (Eng. Abstr.) **(Por)**
[Penile ectopia of the testis] Marković BD. **Srp Arh Celok Lek** 1981 Aug;109(8):1087–9 (Eng. Abstr.) **(Scc)**
[The incidence and macro–morphological qualities of the appendix testis (author's transl)] Trošić A. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):395–9 (Eng. Abstr.) **(Scr)**

ANALYSIS

Presence of luteinizing hormone receptor binding inhibitor (LH–RBI) in ovine testis. Kalla NR, et al. **Andrologia** 1982 May–Jun;14(3):265–9
'In vitro' assay of rat spermatogonial chalone in prepuberal seminiferous tubules. Thumann A, et al. **Andrologia** 1982 Jan–Feb;14(1):35–40, 42
Studies on the purification of ovine inhibin. Baker HW, et al. **Ann NY Acad Sci** 1982;383:329–42 (26 ref.)
Testosterone, dihydrotestosterone, and zinc concentrations in human testis and epididymis. Suescun MO, et al. **Arch Androl** 1981 Dec;7(4):297–303
A new procedure for the purification of rat testis–specific histone TH2B involving affinity–related chromatography. Anguravirutt S, et al. **Arch Biochem Biophys** 1981 Aug; 210(1):412–6
Rat testis immunoreactive LH–RH differs structurally from hypothalamic LH–RH. Dutlow CM, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):486–94
Differential compartmentalization of messenger ribonucleic acid in murine testis. Gold B, et al. **Biochemistry** 1981 Aug 18;20(17):4871–7
Tyrosine fluorescence of ram testis and octopus calmodulins. Effects of calcium, magnesium, and ionic strength. Kilhoffer MC, et al. **Biochemistry** 1981 Jul 21; 20(15):4407–14
Purification and characterization of cytoplasmic protamine messenger ribonucleoprotein particles from rainbow trout testis cells. Sinclair GD, et al. **Biochemistry** 1982 Apr 13; 21(8):1869–77
Inhibition of 123I–labeled human chorionic gonadotropin binding to gonadal receptors by a factor obtained from rat testicular tissue. Rojas FJ, et al. **Biol Reprod** 1981 Oct; 25(3):519–29
Studies on the heterogeneity of the 5' ends of the protamine mRNAs from rainbow trout testis. Gedamu L, et al. **Biosci Rep** 1981 Jan;1(1):61–70
Amino acid sequence homologies between the high–mobility–group proteins, HMG–T from trout testis and HMG–1 and –2 from calf thymus: is the poly–aspartic–glutamic acid polypeptide within the main chain? Watson DC, et al. **Biosci Rep** 1981 Feb;1(2):167–75
A monoclonal antibody against bovine anti–Müllerian hormone. Vigier B, et al. **Endocrinology** 1982 Jan; 110(1):131–7
H1 histones from mammalian testes. The widespread occurrence of H1t. Seyedin SM, et al. **Exp Cell Res** 1981 Dec;136(2):399–405
The NH2–terminal amino acid sequence of cellular retinoic–acid binding protein from rat testis. Eriksson U, et al. **FEBS Lett** 1981 Nov 30;135(1):70–2
Adrenal and testicular androgen levels are correlated. Parker LN, et al. **Horm Metab Res** 1981 Nov;13(11):653–4
Testicular testosterone concentration, interstitial cell density and spermatogenesis in infertile men. Hirsh AV, et al. **Int J Androl** 1981 Aug;4(4):409–20
Presence of inhibin in testes of the Indian water buffalo Bubalus bubalis. Sahni G, et al. **Isr J Med Sci** 1981 Aug; 17(8):697–702
Closely related mRNA sequences of protamines in rainbow trout testis. Sakai M, et al. **J Biochem (Tokyo)** 1981 Jun; 89(6):1863–8
Detection and localization of alkaline phosphatase, DNA, glycogen, mucopolysaccharides and bound lipids in the testis of a teleost fish, Channa punctatus (Bloch), during the annual cyclical changes by histochemical methods. Sinha GM, et al. **Mikroskopie** 1981 Aug;38(7–8):228–40
Detection and localization of phosphatases, DNA, glycogen, mucopolysaccharides and bound lipids in the testis of a teleost fish, Anabas testudineus (Bloch) during the annual cyclical changes by histochemical methods. Sinha GM, et al. **Mikroskopie** 1982 Jan;39(1–2):1–13
Absence of zinc testicular deficiency in the sexual dysfunction of experimentally induced uremic rats. Ribeiro RC, et al. **Nephron** 1982;30(4):361–3
Correlation between postmortem ethanol levels in the blood and the testicle. A computerized study of 633 determinations. Piette M, et al. **Z Rechtsmed** 1982; 88(1–2):39–48
[Studies of androgen binding protein. 1st report: Androgen binding protein in testis and epididymis of rabbit and human (author's transl)] Oota S. **Nippon Naibunpi Gakkai Zasshi** 1981 Oct 20;57(10):1531–9 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Quantitative evaluation of the interrelationship of certain endocrine glands of Hemiechinus auritus collaris (Gray) during the reproductive cycle. Asawa SC, et al. **Acta Anat (Basel)** 1982;111(3):259–67

The testis and its excurrent ducts in American caenolestid and didelphid marsupials. Rodger JC. **Am J Anat** 1982 Mar, 163(3):269–82

Role of testosterone on mitomycin C induced changes in testicular histology in rats. Banik S, et al. **Indian J Exp Biol** 1981 Apr;19(4):386–7

Structural differentiation of the male genital ducts of the echidna (Tachyglossus aculeatus). Djakiew D, et al. **J Anat** 1981 Mar;132(Pt 2):187–202

Studies of the deferent ducts from the testis of the African elephant, Loxodonta africana. I. Structural differentiation. Jones RC, et al. **J Anat** 1981 May;132(Pt 3):371–86

Testicular volume during early infancy. Cassorla FG, et al. **J Pediatr** 1981 Nov;99(5):742–3

Testicular weight in infancy [letter] Siebert JR. **J Pediatr** 1982 May;100(5):835–6

Screening for fragile X syndrome by testicular size measurement [letter] Brown WT, et al. **Lancet** 1981 Nov 7;2(8254):1055

The zone of mature spermatozoa in the testis of Salamandra salamandra (L.) (Amphibia, Urodela). Bergmann M, et al. **Z Mikrosk Anat Forsch** 1982;96(2):221–34

BLOOD SUPPLY

Antegrade spermatic phlebography in the diagnosis of metastases from testicular tumors. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):255–9

Microvasculature of the mouse testis and excurrent duct system. Suzuki F. **Am J Anat** 1982 Apr;163(4):309–25

Small vessel alterations in the testes of infertile men with varicocele. Andres TL, et al. **Am J Clin Pathol** 1981 Oct; 76(4):378–84

Inhibitory effect of estradiol-17 beta on human chorionic gonadotropin-induced increment of testicular blood flow and plasma testosterone concentration in rats. Damber JE, et al. **Biol Reprod** 1981 Oct;25(3):555–9

Infarction of the testis: a complication of epididymitis. Kirk D, et al. **Br J Urol** 1982 Jun;54(3):311–2

Testicular venography as an accurate indicator of true cryptorchism. Rubin SZ, et al. **Can J Surg** 1981 Jul; 24(4):360–2

Phlebography of the internal spermatic vein (and the ovarian vein). Tjia TT, et al. **Diagn Imaging** 1982 Jan–Feb; 51(1):8–18

Varicocele: percutaneous sclerotherapy of gonadal veins compared to surgical treatment. Falappa P, et al. **Eur J Radiol** 1982 May;2(2):119–21

Capillary blood flow in the testes and testosterone secretion in the starved rat. Pirke KM, et al. **Experientia** 1982 Apr 15;38(4):516–7

Retrograde phlebography of the internal spermatic vein in varicocele. Vajda J, et al. **Int Urol Nephrol** 1981; 13(2):175–84

Arched gonadal arteries in the South African negro. Grine FE, et al. **J Anat** 1981 May;132(Pt 3):387–90

Comparison of steroid concentrations in venous and arterial blood across the human testis. Unconjugated 5 alpha-androstane-3 beta, 17 beta-diol: an important androgen metabolite of the human testicular-epididymal unit. Tamm J, et al. **J Steroid Biochem** 1982 Apr; 16(4):567–71

Treatment of idiopathic varicoceles by transfemoral testicular vein occlusion. Weissbach L, et al. **J Urol** 1981 Sep; 126(3):354–6

Testicular infarction in the newborn—case report and review of literature. Miyoshi N, et al. **Kurume Med J** 1981; 28(1):29–33

Mechanism of damage to the contralateral testis in rats with an ischaemic testis. Harrison RG, et al. **Lancet** 1981 Oct 3;2(8249):723–5

Sympathetic orchidopathia [letter] Harrison RG, et al. **Lancet** 1982 Jan 16;1(8264):167

Experimental microvascular surgical orchidopexy. Garibyan H. **Neth J Surg** 1981 Aug;33(3):119–22

Bullseye sign in scrotal imaging. Mishkin FS. **Semin Nucl Med** 1981 Oct;11(4):316

Cavernous hemangioma of testis causing acute testicular infarction. Fossum BD, et al. **Urology** 1981 Sep;18(3):277–8

[Anatomic and hemodynamic study of A. testicularis in the dog and miniswine] Fuhse J, et al. **Z Exp Chir** 1981; 14(5):310–9 (Eng. Abstr.) **(Ger)**

[Anatomical and hemodynamic study of the testicular artery in mongrel dogs and dwarf pigs] Fuhse J, et al. **Z Urol Nephrol** 1982 Feb;75(2):93–7 (Eng. Abstr.) **(Ger)**

[Morphofunctional characteristics of nerve fibers of the testicular plexus] Mironycheva NA. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):52–7 (Eng. Abstr.) **(Rus)**

[Delayed-type autoimmune reaction following ligation of the testicular vascular plexus] Sazonov VF, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):579–81 (Eng. Abstr.) **(Rus)**

[Selective venography of undescended testicles] Iugrinov OG, et al. **Urol Nefrol (Mosk)** 1981;(5):7–11 (Eng. Abstr.) **(Rus)**

[Role of catheterization of testicular veins in the diagnosis of cryptorchism] Perepanova TS, et al. **Urol Nefrol (Mosk)** 1982 Jan–Feb;(1):13–7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Ultrastructure of the bull seminiferous tubule supporting cells with special consideration of the cell junctions. Bielańska-Osuchowska Z, et al. **Anat Anz** 1981, 10(4):370–87

The cell biology of the testis. **Ann NY Acad Sci** 1982; 383:1–543

Stereology and its uses in cell biology. Bolender RP. **Ann NY Acad Sci** 1982;383:1–16

Involvement of dolichol phosphates as intermediates in the mannosyl and galactosyl transferases of rat testicular germ cell Golgi apparatus membranes. Flanagan K, et al. **Biol Reprod** 1982 Feb;26(1):147–54

Purification of rat spermatogenic cells and preliminary biochemical analysis of these cells. Meistrich ML, et al. **Biol Reprod** 1981 Dec;25(5):1065–77

Reaggregation of rat gonadal cells in vitro: experiments on the function of H-Y antigen. Müller U, et al. **Cytogenet Cell Genet** 1981;31(2):104–7

Cell reorganization in vitro of heterosexual gonadal cocultures. Urban E, et al. **Differentiation** 1981;18(3):161–8

H-Y antigen negative germ cells in gonadal sex organization in vitro: a morphological study. Zenzes MT. **Differentiation** 1981;18(3):169–73

In vitro differentiation of diakinesis figures in human testis. Curtis D. **Hum Genet** 1981;59(4):406–11

Classification of plastic-embedded rat seminiferous epithelium prior to electron microscopy. Ulvik NM, et al. **Int J Androl** 1982 Feb;5(1):27–36

Differentiation within the gonads of Drosophila revealed by immunofluorescence. Brower DL, et al. **J Embryol Exp Morphol** 1981 Jun;63:233–42

Cell specific action of 5-thio-D-glucose in mouse testis. Brady KD, et al. **J Hered** 1981 Sep–Oct;72(5):347–50

Occurrence of oocytes in the testis of the freshwater teleost Channapunctatus (Bloch). Joshi BN, et al. **Mikroskopie** 1981 Oct;38(9–10):262–4

Leydig, Sertoli, and Reinke: three anatomists who were on the ball. Ober WB, et al. **Pathol Annu** 1981;16 Pt 1:1–13

[The effect of long term administration of aflatoxins on the health status of male rats and pigs with respect to morphological changes in the testes] Piskač A, et al. **Vet Med (Praha)** 1982 Feb;27(2):101–11 (Eng. Abstr.) **(Cze)**

[Chalone or inhibine: control of progenitor spermatogonia in the adult rat by gonadal protein extracts] Lanoiselee-Perrin Houdon A, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):509–18 (Eng. Abstr.) **(Fre)**

[Comparative light and electron microscopic studies of spermiogenesis in the male rabbit, boar and ram] Menger H, et al. **Arch Exp Veterinarmed** 1981;35(3):359–74 (Eng. Abstr.) **(Ger)**

[Epithelium of convoluted seminiferous tubules] Pozhidaev EA. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):101–12 (150 ref.) **(Rus)**

DRUG EFFECTS

Suppression and recovery of spermatogenesis in dibromochloropropane treated rats. Shemi D, et al. **Andrologia** 1982 Mar–Apr;14(2):191–9

Testicular effects of dinoseb in rats. Linder RE, et al. **Arch Environ Contam Toxicol** 1982;11(4):475–85

Testicular abnormalities in cod (Gadus morhua) fed Aroclor 1254. Sangalang GB, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):617–26

Enzymatic changes in the male reproductive organs by delta-9-tetrahydrocannabinol. Chakravarty I. **Biochem Pharmacol** 1982 Feb 1;31(3):415–8

Effect of cimetidine on gonadal function in man. Wang C, et al. **Br J Clin Pharmacol** 1982 Jun;13(6):791–4

The effects of postoperative adjuvant chemotherapy and radiotherapy on testicular function in men undergoing treatment for soft tissue sarcoma. Shamberger RC, et al. **Cancer** 1981 May 15;47(10):2368–74

Response to luteinizing releasing hormone, thyrotrophic releasing hormone, and human chorionic gonadotropin administration in healthy men at different risks for prostatic cancer and in prostatic cancer patients. Hill P, et al. **Cancer Res** 1982 May;42(5):2074–80

Damaging effects of fourteen chemotherapeutic drugs on mouse testis cells. Meistrich ML, et al. **Cancer Res** 1982 Jan;42(1):122–31

Effects of high-dose methotrexate and vincristine on ovarian and testicular functions in patients undergoing postoperative adjuvant treatment of osteosarcoma. Shamberger RC, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):739–46

Effect of captan on DNA synthesis in the liver and testes of rats. Decloitre F, et al. **Carcinogenesis** 1980 Apr; 1(4):329–35

Effects of AF 1312 TS and lonidamine on mammalian testis. A morphological study. De Martino C, et al. **Chemotherapy** 1981;27 Suppl 2:27–42

Extrapituitary actions of gonadotropin-releasing hormone. Hsueh AJ, et al. **Endocr Rev** 1981 Fall;2(4):437–61 (274 ref.)

Study of the direct action of luteinizing hormone-releasing hormone agonists at the testicular level in intact rats treated with an antiluteinizing hormone serum. Séguin C, et al. **Endocrinology** 1982 Feb;110(2):524–30

Morphological and biochemical modifications of rat germ cell mitochondria induced by new antispermatogenic compounds: studies in vivo and in vitro. Floridi A, et al. **Exp Mol Pathol** 1981 Dec;35(3):314–31

Testosterone inhibition of FSH action on testicular 32P uptake in white leghorn cockerels. Breneman WR, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):225–35

Effect of LH-RH treatment on hypothalamo-pituitary-gonadal axis and Leydig cell ultrastructure in cryptorchid boys. Hadziselimovic F, et al. **Horm Res** 1980;13(6):358–66

Relationship between bacterial index & type of tubular damage in BCG induced aspermatogenesis. Mustafa AS, et al. **Indian J Exp Biol** 1981 Nov;19(11):1011–4

Direct inhibition of testicular steroidogenesis and gonadotrophin receptor levels by [(imBzl)-D-His6, Pro9-NEt]GnRH and [D-Trp6, Pro9-NEt]GnRH, potent agonists of GnRH. Cao YQ, et al. **Int J Androl** 1982 Apr; 5(2):158–70

Effect of clomiphene treatment on the human testicular response to a single dose of hCG. Martikainen H, et al. **Int J Androl** 1981 Dec;4(6):628–38

Biological studies with low and high molecular weight inhibin preparations. Vijayalakshmi S, et al. **Int J Androl** 1981 Dec;4(6):691–702

Possible effects of prostaglandin (PGE2) on hypothalamo-hypophyseal-gonadal axis in male rhesus monkeys (Macaca mulatta). Dev NK, et al. **Int J Fertil** 1982;27(1):29–35

Restoration of reproductive capacity of stallions after suppression with exogenous testosterone. Squires EL, et al. **J Anim Sci** 1981 Nov;53(5):1351–9

Initiation of spermatogenesis and testicular growth in oestradiol-17 beta-implanted bull calves with pulsatile infusion of luteinizing hormone releasing hormone. Schanbacher BD, et al. **J Endocrinol** 1982 May; 93(2):183–92

Ascorbic acid and the prevention of the early action of cadmium on scrotal and cryptorchid testes in the rat. Ray P, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):167–71

The independency of an intact pineal gland of the inhibition by 5-methoxytryptamine of the reproductive organs in the male hamster. Pévet P, et al. **J Neural Transm** 1981; 52(1–2):95–106

Effect of 5-methoxytryptophan and 5-methoxytryptamine on the reproductive system of the male golden hamster. Pévet P, et al. **J Neural Transm** 1981;51(3–4):303–11

Cellular aspects of the inhibitory actions of LH-RH on the ovary and testis. Sharpe RM. **J Reprod Fertil** 1982 Mar; 64(2):517–27 (73 ref.)

Stimulation of pituitary and testicular functions with LH-RH agonist or pulsatile LH-RH treatment in the rhesus monkey during the non-breeding season. Wickings EJ, et al. **J Reprod Fertil** 1981 Sep;63(1):129–36

Effects of the aromatase inhibitor 1,4,6-androstatriene-3,17-dione and the anti-oestrogen tamoxifen on rat testicular function. Donaldson MD, et al. **J Steroid Biochem** 1981 Sep;14(9):823–8

Rapid and slow response of human testicular steroidogenesis to hCG by measurements of steroids in spermatic and peripheral vein blood. Martikainen H, et al. **J Steroid Biochem** 1982 Feb;16(2):287–91

Bursa of Fabricius produces in vitro a factor which inhibits the chorionic gonadotropin response of the newly hatched chick testis. Romano M, et al. **J Steroid Biochem** 1981 Dec; 15:429–32

Effects of prolactin on the weight of testes and sex accessory organ, and serum androgen level during sexual maturation of male rats. Takagi S. **Kitasato Arch Exp Med** 1980 Jun; 53(1–2):69–80

Testicular glycoprotein biosynthesis stimulated by in vivo administration of follicle stimulating hormone. Bernard EA, et al. **Mol Cell Biochem** 1982 Apr 16;44(1):45–7

Aflatoxin and aflatoxicosis. II. Effects of aflatoxin on ovaries and testicles in mature domestic fowls. Hafez AH, et al. **Mycopathologia** 1982 Mar 19;77(3):137–9

Inhibitory effects of delta 9-tetrahydrocannabinol on glycolytic substrates in the rat testis. Husain S, et al. **Pharmacology** 1981;23(2):102–12

The effect of bull seminal ribonuclease on reproductive organs and sexual behaviour in male rats. Hliňák Z, et al. **Physiol Bohemoslov** 1981;30(6):539–42

Morphological pattern elicited by agents affecting spermatogenesis by stimulation. Russell LD, et al. **Tissue Cell** 1981;13(2):369–80

Effect of progesterone and FSH on testes of immature chickens. Seiki K, et al. **Tokai J Exp Clin Med** 1982 Jan; 7(1):95–100

The effects of 2,5-hexanedione on reproductive hormones and testicular enzyme activities in the F-344 rat. Chapin RE, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):262–72

Changes in ultrastructure and cytochemical localization of zinc in rat testis following the administration of di-n-pentyl phthalate. Foster PM, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):120–32

Comparison of the hepatic and testicular effects of orally administered di(2-ethylhexyl) phthalate and dialkyl 79 phthalate in the rat. Mangham BA, et al.

Toxicol Appl Pharmacol 1981 Nov;61(2):205–14

Effects of morphine sulphate on pituitary–testicular morphology of rats. James RW, et al. **Toxicol Lett** 1980 Nov;7(1):61–70

[Experimental therapy of acute radiation sickness with ethinylestradiol (EED). III. Effect of EED on testicle and hemopoietic organ in animal (author's transl)] Li ZW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep;3(3):158–62 (Eng. Abstr.) **(Chi)**

[Effects of lindane upon the reproductive function in four generations running in the quail. Studies of gonads and müllerian tract in embryos, one day chicken and adults (author's transl)] Lutz-Ostertag Y.
Arch Anat Microsc Morphol Exp 1981;70(3):161–88 (Eng. Abstr.) **(Fre)**

[Kurloff's thymic inclusion : action on rat gonads in culture] De Graeve P, et al. **Bull Assoc Anat (Nancy)** 1981 Dec; 65(191):383–92 (Eng. Abstr.) **(Fre)**

[Studies on effects of endocrine therapy on hypothalamo-pituitary-testis axis in patients with prostatic carcinoma (author's transl)] Kitajima N.
Nippon Hinyokika Gakkai Zasshi 1981 Nov;72(11):1429–49 (Eng. Abstr.) **(Jpn)**

[Histological, morphometric and cytophotometric studies of gonads in male mice administered insecticides (Metox-30, Sadofos-30 and Foschlor-50)] Wenda-Różewicka L.
Endokrynol Pol 1981 Mar-Apr;32(2):213–5 **(Pol)**

[Biochemical criteria for the hygienic assessment of the various biological effects of environmental chemical factors (hepato-, neuro- and gonadotoxic action] Merkur'eva RV, et al. **Gig Sanit** 1981 Sep;(9):22–5 (Eng. Abstr.) **(Rus)**

[Experimental evaluation of the gonadotoxic effect of Ciodrin] Shepel'skaia NR. **Gig Sanit** 1981 Jun;(6):81–2 **(Rus)**

[Experimental study of the gonadotoxic effect of tri-(chloroethyl)-phosphate] Shepel'skaia NR, et al.
Gig Sanit 1981 Jun;(6):20–1 **(Rus)**

[Effect of the herbicide Dacthal on animal gonads] Shepel'skaia NR. **Gig Sanit** 1981 Aug;(8):22–4 **(Rus)**

[Action of the mineral content level of desalinized conditioned water of the bicarbonate class on the gonadal function in male white rats] Balashov OI, et al.
Kosm Biol Aviakosm Med 1982 Mar-Apr;16(2):40–5 (Eng. Abstr.) **(Rus)**

[Androgen formation in the testes of hypophysectomized rats exposed to the antiandrogen niftolid (flutamide)] Volkova NN. **Probl Endokrinol (Mosk)** 1982 May Jun;28(3):76–8 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The effect of adrenocorticotropic hormone (ACTH) on embryonic chicken gonads. Shahin MA, et al.
Acta Biol Acad Sci Hung 1981;32(1):7–13

The influence of gonadotropic hormones on the development of chick embryo gonads in organ culture during the second week of incubation. Pitini AM, et al.
Acta Embryol Morphol Exp 1980 Apr;1(1):21–31

Ontogeny of cyclic nucleotides in embryonic chick gonads. Teng C. **Biol Neonate** 1982;41(3–4):123–31

Development of the hypothalamic-hypophysial-gonadotrophic activities in fetal rats. Daikoku S, et al. **Experientia** 1981 Dec 15; 37(12):1346–7

The hypothalamic--adenohypophyseal--gonadal axes in the developing chick embryo. I. LH sensitivity. Woods JE, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):66–73

Development of negative feedback control of the hypothalamo-pituitary-gonadal axis in the male rat fetus. Bidlingmaier F, et al. **Horm Res** 1982;16(3):182–7

Early stages of testicular differentiation in the rat. Jost A, et al. **Hum Genet** 1981;58(1):59–63

Development of sexual dimorphism in the embryonic gonad. Pelliniemi LJ, et al. **Hum Genet** 1981;58(1):64–7

A comparison between the morphology and cell kinetics of gonocytes and adult type undifferentiated spermatogonia in the mouse. Kluin PM, et al. **Int J Androl** 1981 Aug; 4(4):475–93

Ultrastructure of Leydig cells in the testis of chicken submitted to early embryonic surgical bursectomy. Aguilar MC, et al. **J Anat** 1981 Dec;133(Pt 4):543–53

Human chorionic gonadotropin binding to human fetal testes as a function of gestational age. Molsberry RL, et al.
J Clin Endocrinol Metab 1982 Oct;55(4):791–4

Regulation of meiosis in the foetal mouse gonad. Evans CW, et al. **J Embryol Exp Morphol** 1982 Apr;68:59–67

Functional differentiation of chick gonads following depletion of primordial germ cells. McCarrey JR, et al.
J Embryol Exp Morphol 1982 Apr;68:161–74

Leydig cell function in men. Nankin HR.
J SC Med Assoc 1981 Nov;77(11):531–5

Androgenic sensitivity of the gubernaculum testis: evidence for hormonal/mechanical interactions in testicular descent. Elder JS, et al. **J Urol** 1982 Jan;127(1):170–6

Cellular interrelationships in the human fetal ovary and testis. Gondos B. **Prog Clin Biol Res** 1981;59B:373–81

Amniotic fluid testosterone and fetal sex determination (discussion of the endocrine function of the fetal testis). Ansaldi E, et al. **Ric Clin Lab** 1981 Oct-Dec;11(4):349–54

Differentiation of male chick embryo gonads during the last week of incubation in organ and tissue culture. Shahin MA, et al. **Z Mikrosk Anat Forsch** 1982;96(1):157–70

[Feminization of embryonic chicken testicle by diethylstilbestrol and antagonistic action of tamoxifen] Samsel J, et al. **Biochimie** 1982 May;64(5):369–76 (Eng. Abstr.) **(Fre)**

[Ultrastructure and cytochemistry of primordial germ cells involved in migration in dichlorvos-treated quail embryos] Bruel MT, et al. **C R Seances Acad Sci [III]** 1981 Dec 21;293(15):791–5 (Eng. Abstr.) **(Fre)**

[Pituitary agenesis in the rat: synthesis of testosterone in fatal testes] Roux C, et al. **C R Seances Acad Sci [III]** 1981 Oct 5;293(4):233–6 (Eng. Abstr.) **(Fre)**

[Role of HY antigen in human and mammalian gonadal organogenesis (author's transl)] Carlon N.
Pathol Biol (Paris) 1982 Jan;30(1):49–60 (62 ref.) (Eng. Abstr.) **(Fre)**

[A new observation of an H-Y antigen positive 46, XX male (author's transl)] Heim J, et al. **Sem Hop Paris** 1982 Jan 14;58(2):79–83 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Nuclear terminal deoxynucleotidyl transferase (TdT) in leukemic infiltrates of testicular tissue. Janossy G, et al.
Adv Exp Med Biol 1982;145:321–30

A recommended procedure for the estimation of bovine testicular hyaluronidase in the presence of human serum. Gacesa P, et al. **Anal Biochem** 1981 Nov 15;118(1):76–84

Characterization of protein carboxyl methylase activities in rat testis: presence of testis specific charge isomers. Cusan L, et al. **Arch Androl** 1981 Nov;7(3):263–74

Age changes in rat testicular capsular and parenchymal delta 13-reductase and 15-hydroxyprostaglandin dehydrogenase activities. Ellis LC, et al. **Arch Androl** 1982 Mar;8(2):121–8

Cellular localization of the Mn2+-dependent adenylyl cyclase in the human testis. Gordeladze JO, et al.
Arch Androl 1982 May;8(3):199–204

Acid phosphatases of dog testis and a Leydig cell tumor. Guha K, et al. **Arch Androl** 1982 Mar;8(2):79–85

Subcellular localization and biochemical properties of rat testicular alcohol- and aldehyde-dehydrogenase. Messiha FS. **Arch Androl** 1981 Dec;7(4):329–35

RNA synthesis and poly(adenosine diphosphoribosyl) synthetase activity in developing mouse testis. Momii A, et al. **Arch Androl** 1982 Jun;8(4):277–83

Purification and properties of poly(ADP-ribose) synthetase from mouse testicle. Agemori M, et al.
Arch Biochem Biophys 1982 May;215(2):621–7

Adenosine diphosphate-ribosyltransferase activity in permeabilized mouse testicular cells. Momii A, et al.
Arch Biochem Biophys 1982 Apr 1;214(2):628–33

Lactate dehydrogenase-C mRNA: its isolation and in vitro translation. Ansari AA, et al.
Biochem Biophys Res Commun 1981 Sep 16;102(1):93–9

Poly (ADP-ribose) synthetase activity in rat testis mitochondria. Burzio LO, et al.
Biochem Biophys Res Commun 1981 Nov 16;103(1):369–75

Effect of catecholamines on ornithine decarboxylase activity in the testis of immature rat. Madhubala R, et al.
Biochem Biophys Res Commun 1981 Oct 15;102(3):1096–103

Fructose 1:6 bisphosphatase activity in the liver and testis of rats and goats. Dhanotiya RS, et al.
Biochem Exp Biol 1980;16(4):437–42

Identity of ligandin in rat testis and liver. Eidne KA, et al.
Biochem J 1982 Apr 1;203(1):193–9

Heparin-releasable lipase activity of rat adrenals, ovaries and testes. Jansen H, et al. **Biochem J** 1981 Jun 15;196(3):739–45

A rapid purification of bovine testicular hyaluronidase by chromatography on dermatan sulphate-substituted 1,6-diaminohexane--sepharose 4B. Lyon M, et al.
Biochem J 1981 Nov 1;199(2):419–26

Microsomal cytochrome P-450 from neonatal pig testis: two enzymatic activities (17 alpha-hydroxylase and c17,20-lyase) associated with one protein. Nakajin S, et al. **Biochemistry** 1981 Jul 7;20(14):4037–42

Specific effect of thyroid hormone on testicular enzymes involved in carbohydrate metabolism. II. Hyperthyroidism. Aruldhas MM, et al. **Biochim Biophys Acta** 1982 Mar 15; 715(1):121–5

Modification of functional arginine residues in purified bovine testicular hyaluronidase with butane-2, 3-dione. Gacesa P, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):205–12

Studies on myo-inositol-1-phosphate from Lilium longiflorum pollen, Neurospora crassa and bovine testis. Further evidence that a classical aldolase step is not utilized. Sherman WR, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):299–305

Subcellular distribution and some properties of acid phospholipase A1 in rat testis. Chaudhary LR.
Biochimie 1982 May;64(5):341–6

Regulation of epididymal glutathione S-transferases: effects of orchidectomy and androgen replacement. Robaire B, et al. **Biol Reprod** 1982 May;26(4):559–65

Chromatofocusing of lysosomal hydrolases from bovine testis. Conary JT, et al. **Carbohydr Res** 1982 Mar 1; 100:C51–5

Thiamine pyrophosphatase activity in rat testis: a comparison of the standard and a modified gel method. Passia D, et al. **Cell Mol Biol** 1982;28(1):29–35

Histology and histochemistry of the testis and ovary of the platyfish, Xiphophorus maculatus, from birth to sexual maturity. Schreibman MP, et al. **Cell Tissue Res** 1982; 224(1):781–7

Immunofluorescent localization of PGK-1 and PGK-2 isozymes within specific cells of the mouse testis. Kramer JM. **Dev Biol** 1981 Oct 15;87(1):30–6

Developmental program of PGK-1 and PGK-2 isozymes in spermatogenic cells of the mouse: specific activities and rates of synthesis. Kramer JM, et al. **Dev Biol** 1981 Oct 15;87(1):37–45

The effect of insulin and luteinizing hormone treatment on serum concentrations of testosterone and dihydrotestosterone and testicular 3 beta-hydroxysteroid dehydrogenase activity in intact and hypophysectomized diabetic rats. Blanco FL, et al. **Endocrinology** 1981 Oct; 109(4):1248–53

Localization of delta 4-5 beta- and 5 alpha-reductases and 17 beta-ol-dehydrogenase in immature golden hamster testes. Furubayashi Y, et al. **Endocrinology** 1982 Jul; 111(1):269–72

NAD-linked mitochondrial aldehyde dehydrogenase in the rat testis. Messiha FS. **Gen Pharmacol** 1981;12(5):363–4

Characterization of a phosphoprotein phosphatase from goat testis. Bhattacharyya U, et al.
Indian J Biochem Biophys 1981 Oct;18(5):346–52

Purification & characterisation of mouse testicular beta-N-acetylglucosaminidase. Gupta GS, et al.
Indian J Biochem Biophys 1981 Jun;18(3):187–91

Effect of CdCl2 on testicular lactate dehydrogenase of a non-scrotal bat Rhinopoma kinneari Wroughton. Singwi MS, et al. **Indian J Exp Biol** 1981 May;19(5):466–8

Specific effect of the thyroid on testicular enzymes involved in carbohydrate metabolism. I. Hypothyroidism. Aruldhas MM, et al. **Int J Androl** 1982 Apr;5(2):196–204

The effect of calmodulin, trifluoperazine and other psychoactive drugs on the activity of the Mn2+-dependent adenylyl cyclase (AC) in testicular germ cells. Gordeladze JO, et al. **Int J Androl** 1982 Feb;5(1):103–12

5 alpha-reductase activity in human fetal testis. Azoury R, et al. **Int J Biochem** 1982;14(7):577–80

Calmodulin-dependent cyclic nucleotide phosphodiesterases in the immature rat testis. Purvis K, et al. **J Biol Chem** 1981 Nov 25;256(22):11434–41

Immunohistochemical localization of phosphoglycerate kinase isozymes in mouse testes. Vandeberg JL, et al.
J Exp Zool 1981 Sep;217(3):435–41

Neutral 17beta-hydroxysteroid oxidoreductase deficiency in testes causing male pseudohermaphroditism in an infant. Harkness RA, et al. **J Inherited Metab Dis** 1980;2(3):51–4

The serum kinetics of bovine testicular hyaluronidase in dogs, rats and humans. Wolf RA, et al.
J Pharmacol Exp Ther 1982 Aug;222(2):331–7

Immunoenzymic studies on testicular hyaluronidase from rhesus monkeys (Macaca mulatta). Bansal MR, et al.
J Reprod Fertil 1982 Mar;64(2):267–73

Angiotensin I converting enzyme in rat testis, epididymis and vas deferens under different conditions. Hohlbrugger G, et al. **J Reprod Fertil** 1982 May;65(1):97–103

Kinetic properties of the soluble 3 alpha-hydroxysteroid dehydrogenase from rat testis and epididymis. Hastings C, et al. **J Steroid Biochem** 1981 Aug;14(8):705–11

Effects of age and 1,4,6-androstatriene-3,17-dione on activities of hCG-induced 19-hydroxylase and aromatase of rat testes. Inano H, et al. **J Steroid Biochem** 1982 Aug; 17(2):181–4

Porcine testicular 17 beta-hydroxysteroid dehydrogenase: affinity chromatography with dye-ligand agarose and demonstration of multiple forms of the enzyme. Inano H, et al. **J Steroid Biochem** 1981 Dec;14(12):1347–55

Solubilization of delta -3 beta-hydroxysteroid dehydrogenase with delta 5-delta 4 isomerase and 17 beta-hydroxysteroid dehydrogenase from rat testicular microsomal fraction by several detergents. Inano H, et al. **J Steroid Biochem** 1982 Apr;16(4):587–93

Side-chain cleavage of C21 steroids to C19 steroids by testicular microsomal cytochrome P-450: 17alpha-hydroxy C21 steroids as obligatory intermediates. Nakajin S, et al.
J Steroid Biochem 1981 Dec;14(12):1249–52

Testicular in vitro conversion of progesterone to testosterone and androstenedione in 17 alpha-hydroxylase deficiency. Salti IS, et al. **J Steroid Biochem** 1982 Aug;17(2):155–7

Estrogen synthetase and C17-20lyase activity in the fetal monkey gonad. Sholl SA. **J Steroid Biochem** 1982 Feb; 16(2):141–5

Stimulation in vivo of testicular 7 alpha-hydroxylase activity in immature rats by LH and hCG. Sunde A, et al.
J Steroid Biochem 1982 Jul;17(1):77–84

Effects in vitro of medroxyprogesterone acetate on steroid metabolizing enzymes in the rat: selective inhibition of 3 alpha-hydroxysteroid oxidoreductase activity. Sunde A, et al. **J Steroid Biochem** 1982 Aug;17(2):197–203

Purification and kinetic properties of the soluble Mn2+-dependent adenylyl cyclase of the rat testis. Gordeladze JO, et al. **Mol Cell Endocrinol** 1981 Aug; 23(2):125–36

Effect of high mobility group nonhistone proteins HMG-20 (ubiquitin) and HMG-17 on histone deacetylase activity assayed in vitro. Mezquita J, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1781–97

Subcellular fractionation of alcohol and aldehyde dehydrogenase in the rat testicles. Messiha FS.
Prog Biochem Pharmacol 1981;18:155–66

Soluble glutathione S-transferases from rat testes: isoenzyme pattern and lack of inducibility by drug metabolizing enzyme inducers. Dierickx PJ. **Toxicol Eur Res** 1982 Jan; 4(1):47–51

Histochemical assessment of 3 beta-hydroxysteroid

dehydrogenase activity in the testes of rats following acute administration of aflatoxin B1. Egbunike GN. **Toxicol Lett** 1981 Nov;9(3):279–82

Modulation of rat testicular alcohol dehydrogenase by psychoactive agents. Messiha FS. **Toxicol Lett** 1982 Mar; 10(4):373–8

Histoenzymic studies on the testis of camel. Al-Shaikhly AK, et al. **Z Mikrosk Anat Forsch** 1981;95(2):276–82

[Cytogenetic localization of the gene coding organ-specific esterase in Drosophila] Korochkin LI, et al. **Dokl Akad Nauk SSSR** 1982;263(2):471–4 **(Rus)**

GROWTH & DEVELOPMENT

Responses of ram lambs to active immunization against testosterone and luteinizing hormone-releasing hormone. Schanbacher BD. **Am J Physiol** 1982 Mar;242(3):E201–5

Testis characteristics of pubertal large white boars reared in a humid tropical environment. Egbunike GN. **Andrologia** 1981 Jul–Aug;13(4):284–90

Changes in protein carboxyl-methylase isoenzymes during testicular development in the rat. Cusan L, et al. **Arch Androl** 1982 Jun;8(4):285–92

Changes in serum FSH concentrations in the pig during development. Colenbrander B, et al. **Biol Reprod** 1982 Feb; 26(1):105–9

Photoperiodic inhibition of testicular development is mediated by the pineal gland in white-footed mice. Johnston PG, et al. **Biol Reprod** 1982 May;26(4):597–602

A comparison of the cell-free protein synthetic activities of testicular tissue obtained from rats and mice of various ages. Richardson A, et al. **Comp Biochem Physiol [B]** 1982; 71(4):709–12

Cyclic AMP phosphodiesterase in Leydig cell preparations of the rat testis. Epplen JT, et al. **Differentiation** 1981; 20(2):124–30

The capacity of testicular cells of the postnatal rat to reorganize into histotypic structures. Zenzes MT, et al. **Differentiation** 1981;20(2):157–61

Developmental changes in the hormonal regulation of rat testis Sertoli cell adenylyl cyclase. Van Sickle M, et al. **Endocrinology** 1981 Oct;109(4):1270–80

Prolactin suppression and spermatogenic developments in maturing rats. A quantitative study. Nag S, et al. **Horm Res** 1981;15(2):72–7

Postnatal development and differentiation of contractile cells within the rabbit testis. Leeson CR, et al. **J Anat** 1981 Jun; 132(Pt 4):491–511

Testicular development and establishment of spermatogenesis in Holstein bulls. Curtis SK, et al. **J Anim Sci** 1981 Dec; 53(6):1645–57

Isolation and characterization of TH2A, a germ cell-specific variant of histone 2A in rat testis. Trostle-Weige PK, et al. **J Biol Chem** 1982 May 25;257(10):5560–7

Photoperiodism in quail: testicular growth and maintenance under skeleton photoperiods. Follett BK, et al. **J Endocrinol** 1982 Apr;93(1):83–90

High levels of glutathione attained during postnatal development of rat testis. Calvin HI, et al. **J Exp Zool** 1982 Feb 20;219(3):389–93

The photo-gonadal response of a migratory bunting: evidence of an external coincidence system. Prasad BN, et al. **J Exp Zool** 1982 Jun 10;221(2):131–5

Melatonin's inhibition of pituitary, adrenal, testicular and accessory gland growth in male golden hamsters: pineal dependence and organ differences with shielding and intracranial surgery. Quay WB, et al. **J Neural Transm** 1982; 53(1):59–73

Changes in levels of plasminogen activator activity in normal and germ-cell-depleted testes during development. Lacroix M, et al. **Mol Cell Endocrinol** 1982 May;26(3):259–67

Impairment of testicular maturation in potassium depleted pre-pubertal rats. Sarkar K, et al. **Rev Can Biol** 1981 Jun; 40(2):203–14

Relationship between brain cortex and testis maturation rate in two inbred strains of mice. Malorni W, et al. **Ric Clin Lab** 1981 Jul–Sep;11(3):247–57

The aging Leydig cell: VII. Cytoplasmic estradiol receptors. Lin T, et al. **Steroids** 1981 Oct;38(4):407–15

Characteristics of the androgenization produced in mice by neonatal exposure to alpha-fetoprotein antibodies. Mizejewski GJ, et al. **Teratology** 1982 Jun;25(3):351–60

[Development of preputial glands and seminal vesicles in prepubertal mice as a function of age, body weight and testicle weight] Marois M, et al. **Bull Acad Natl Med (Paris)** 1981 Nov;165(8):1039–46 (Eng. Abstr.) **(Fre)**

[Electron microscopic investigation on the postnatal development of human Leydig cells] Seguchi H, et al. **Acta Anat (Basel)** 1982;112(3):254–63 (Eng. Abstr.) **(Ger)**

[The pubescent growth delay of the testis and the accessory sexual organs in early androgenized male rat. I. Studies of early androgenized male rat (author's transl)] Saka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Feb; 73(2):121–33 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunoreactivity in vitro to human testis in patients with lepromatous leprosy. Wall JR, et al. **Aust NZ J Med** 1981 Aug;11(4):375–9

A 28K-dalton cell surface autoantigen of spermatogenesis: characterization using a monoclonal antibody. Gaunt SJ. **Dev Biol** 1982 Jan;89(1):92–100

Identification of autoantigen-expressing cells in rat testis. Söderström KO, et al. **Exp Mol Pathol** 1981 Dec; 35(3):332–7

Immunohistochemical evidence for secretory activity in the testes and epididymis of the bull. Pavlović M, et al. **Folia Morphol (Praha)** 1981;29(3):234–6

Suppression of experimental allergic orchitis and cellular immune response in the guinea pig by pretreatment with testis antigen in incomplete Freund's adjuvant. Hojo K, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):40–9

Relationship between phagocytic activity of macrophages and delayed footpad reaction against syngeneic testicular cells. Nomoto K, et al. **J Clin Lab Immunol** 1982 Feb; 7(2):141–6

Avoidance of host defences by Treponema pallidum in situ and on extraction from infected rabbit testes. Penn CW. **J Gen Microbiol** 1981 Sep;126(Pt 1):69–75

Antigens of the basement membranes of the seminiferous tubules induce autoimmunity in Wistar rats. Lustig L, et al. **J Reprod Immunol** 1982 May;4(2):79–90

Immunological effects of antitestis antisera on the development of mouse fetuses. Yamamoto M, et al. **Teratology** 1981 Aug;24(1):53–63

H-Y and antigens of the major histocompatibility complex. H-Y and H-2D antigens are associated on unfixed lymphocytes and thymocytes but not on testicular cells. Müller U. **Tissue Antigens** 1981 Jul;18(1):40–50

[Changes in the blood-testis barrier as a result of streptococcal sensitization] Ogurtsov RP, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):98–103 (Eng. Abstr.) **(Rus)**

INJURIES

The prevention of orchiopexy-induced testicular lesions in the pig. Frankenhuis MT, et al. **Eur J Pediatr** 1982 Feb; 138(1):26–7

Traumatic dislocation of the testes. Pollen JJ, et al. **J Trauma** 1982 Mar;22(3):247–9

Traumatic dislocation of a testis [letter] Foster RS. **J Urol** 1981 Nov;126(5):708

Testicular rupture in blunt scrotal trauma: review of 15 cases with recent application of testicular scanning. McConnell JD, et al. **J Urol** 1982 Aug;128(2):309–11

Traumatic rupture of the testicle and a review of the literature. Schuster G. **J Urol** 1982 Jun;127(6):1194–6

Sympathetic orchiopathia [letter] Wallace DM, et al. **Lancet** 1981 Nov 21;2(8256):1173

INNERVATION

Effect of electrical stimulation of the testis on the nucleus praeopticus pars magnocellularis of the frog, Rana tigrina. Subhedar N, et al. **Cell Tissue Res** 1982;224(1):45–53

Effects of denervation and local 6-hydroxydopamine injection on testicular growth in rats. Nagai K, et al. **Experientia** 1982 May 15;38(5):592–4

Sympathetic orchiopathia [letter] Wyburn-Mason R. **Lancet** 1981 Dec 19–26;2(8260–61):1417–8

Convergence of cutaneous and pelvic visceral nociceptive inputs onto primate spinothalamic neurons. Milne RJ, et al. **Pain** 1981 Oct;11(2):163–83

[Nerve endings in cryptorchid testicles] Bañares Baudet F, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):247–52 (Eng. Abstr.) **(Spa)**

METABOLISM

Effect of inhibin on rat testicular desoxyribonucleic acid (DNA) synthesis in vivo and in vitro. Franchimont P, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):312–20

Control of testicular steroidogenesis in foetal rat: effect of decapitation on testosterone and plasma luteinizing hormone-like activity. Habert R, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):466–73

Stimulation of transport of alpha-aminoisobutyric acid into the testes of immature mice in vivo by follicle-stimulating hormone. Oza N, et al. **Acta Endocrinol (Copenh)** 1982 May; 100(1):137–42

Enhancement of gonadotrophin induced 17,20-lyase suppression one week after human chorionic gonadotrophin priming. Smals AG, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):308–12

Observations on the effects of prolactin on LH-receptors and steroidogenesis in corpus luteum and testis of the hypophysectomized rat. van Straalen RJ, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):437–42

Effect of polyunsaturated fatty acids of the alpha-linolenic series in the lipid composition of rat testicles during development. Ayala S, et al. **Acta Physiol Lat Am** 1980; 30(3):147–52

The environment of cytochrome P-450 in testicular microsomes. Bussmann L, et al. **Acta Physiol Lat Am** 1980; 30(3):171–80

Involvement of lysosomal enzymes in flutamide-induced stimulation of rat testis. Mathur PP, et al. **Andrologia** 1982 Mar–Apr;14(2):171–6

The lipid composition of human testis in patients with bilateral varicocele as cause of infertility. Sheriff DS. **Andrologia** 1982 Mar–Apr;14(2):150–3

Photoperiod and regulation of gonadotropin receptors. Bartke A, et al. **Ann NY Acad Sci** 1982;383:122–34 (50 ref.)

Distribution of inhibin in testes of neonatal, pubertal, and adult rats. Johnson MH, et al. **Arch Androl** 1981 Sep; 7(2):127–31

Effect of antigonadotropic sera on in vitro testicular metabolism of 3H-testosterone in immature rats. Seilicovich A, et al. **Arch Androl** 1981 Dec;7(4):323–7

Organ specific zinc deficiency in testicular feminization rats: hormone-metal interaction. Chan WY, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):630–5

Contribution of microsomal cytochrome b5 electron transport system coupled with delta 5–3 beta-hydroxysteroid dehydrogenase to androgen synthesis from progesterone. Ohba H, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1273–80

Synthesis and degradation of cyclic nucleotides in the pituitary gland, ovary and testis of rats treated with D-Trp6-luteinizing hormone-releasing hormone. Hierowski MT, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):232–8

Testicular membranes with improved stability of the gonadotropin receptor. Noland TD, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):226–33

Insulin augmentation of testosterone production in a primary culture of rat testicular cells. Adashi EY, et al. **Biol Reprod** 1982 Mar;26(2):270–80

Effects of androgen treatment of the neonate on rat testis and sex accessory organs. Barañao JL, et al. **Biol Reprod** 1981 Nov;25(4):851–8

Glucose-stimulated protein synthesis in rat testis slices: substrate specificity and effects of insulin and substrate analogs. Dills WL Jr, et al. **Biol Reprod** 1981 Oct; 25(3):466–74

Prostaglandin F2alpha regulation of LH-stimulated testosterone production in rat testis. Fuchs AR, et al. **Biol Reprod** 1981 Oct;25(3):492–501

Influence of temperature on amino acid transport by round spermatids from rat testis. Hall PF, et al. **Biol Reprod** 1981 Aug;25(1):110–4

A new approach to quantification of spermatogenesis and its application to germinal cell attrition during human spermiogenesis. Johnson L, et al. **Biol Reprod** 1981 Aug; 25(1):217–26

Influence of adrenal steroids upon testosterone secretion by the boar testis. Juniewicz PE, et al. **Biol Reprod** 1981 Nov; 25(4):725–33

Reevaluation of the effect of follicle-stimulating hormone on the steroidogenic capacity of the testis: the effects of neuraminidase-treated FSH preparations. Moger WH, et al. **Biol Reprod** 1982 Apr;26(3):422–8

Gonadal receptors: upregulation in response to elevated serum gonadotropin levels. Powell MM, et al. **Biol Reprod** 1981 Nov;25(4):708–18

Transfer of steroids across the hamster blood testis and blood epididymal barriers. Turner TT, et al. **Biol Reprod** 1981 Sep;25(2):342–8

Tissue distribution of sulfolipids in the rat. Restricted location of sulfatoxygalactosylacylalkylglycerol. Lingwood C, et al. **Can J Biochem** 1981 Jul;59(7):556–63

Methotrexate levels in the interstitial space and seminiferous tubule of rat testis. Riccardi R, et al. **Cancer Res** 1982 May; 42(5):1617–9

Localization of 3H-lonidamine in the rat testis. Hildebrandt-Stark HE. **Chemotherapy** 1981;27 Suppl 2:85–90

Testicular testosterone levels during puberty in cryptorchidism. Pasqualini T, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):545–54

The effect of temperature on steroid biosynthesis by testes of the dogfish, Scyliorhinus caniculus. Kime DE, et al. **Comp Biochem Physiol [B]** 1982;71(4):675–9

The in-vivo effect of Lithospermum ruderale on LHRH activity in the chick. Zeller FJ, et al. **Contraception** 1981 Jul;24(1):77–81

A gene product of the mouse t complex with chemical properties of a cell surface-associated component of the extracellular matrix. Silver LM, et al. **Dev Biol** 1982 Jun; 91(2):423–30

Testicular lipids and serum FSH of mice in experimental Schistosomiasis mansoni. Saleh S, et al. **Egypt J Bilharz** 1979;6(1–2):51–9

Gonadotropin-releasing hormone receptors: characterization, physiological regulation, and relationship to reproductive function. Clayton RN, et al. **Endocr Rev** 1981 Spring;2(2):186–209 (168 ref.)

Direct inhibition of testicular androgen biosynthesis by arginine-vasopressin: mediation through pressor-selective testicular recognition sites. Adashi EY, et al. **Endocrinology** 1981 Nov;109(5):1793–5

Effects of prolactin on androgen metabolism in androgen target tissues of immature rats. Barañao JL, et al. **Endocrinology** 1981 Dec;109(6):2188–95

Induction of testicular gonadotropin-releasing hormone (GnRH) receptors by GnRH: effects of pituitary hormones and relationship to inhibition of testosterone production. Bourne GA, et al. **Endocrinology** 1982 Mar;110(3):727–33

Translocation of the testicular estradiol receptor is not an obligatory step in the gonadotropin-induced inhibition of C17-20-lyase. Brinkmann A, et al. **Endocrinology** 1982 May;110(5):1834–6

Effects of chronic intermittent immobilization stress on rat testicular androgenic function. Charpenet G, et al. **Endocrinology** 1981 Oct;109(4):1254–8

Effects of hyperprolactinemia on copulatory behavior and

testicular human chorionic gonadotropin binding in adrenalectomized rats. Doherty PC, et al. **Endocrinology** 1982 Sep;111(3):820–6

Steroid production in testicular tissue of the European eel. Eckstein B, et al. **Endocrinology** 1982 Mar;110(3):916–9

The microheterogeneity of rat androgen-binding protein from the testis, rete testis fluid, and epididymis, as demonstrated by immunoelectrophoresis and photoaffinity labeling. Larrea F, et al. **Endocrinology** 1981 Oct; 109(4):1212–20

Characterization of specific glucocorticoid receptor in the Syrian hamster testis. Ortlip SA, et al. **Endocrinology** 1981 Nov;109(5):1331–8

Human chorionic gonadotropin enhances the ability of gonadotropic hormones to stimulate aromatization in the testis of the rat. Pomerantz DK. **Endocrinology** 1981 Dec; 109(6):2004–8

Specific insulin binding sites in rat testis: characterization and variation. Saucier J, et al. **Endocrinology** 1981 Dec; 109(6):2220–5

An examination of various mechanisms for ethanol-induced testicular injury: studies utilizing the isolated perfused rat testes. Van Thiel DH, et al. **Endocrinology** 1981 Dec; 109(6):2009–15

Mechanism of the inhibitory action of epidermal growth factor on testicular androgen biosynthesis in vitro. Welsh TH Jr, et al. **Endocrinology** 1982 May;110(5):1498–506

In vitro influence of some mammalian pituitary and placental hormones on androgen production by the lizard testis. Arslan M, et al. **Endokrinologie** 1981 Oct;78(1):111–4

Structural studies of the non-histone chromosomal proteins HMG-T and H6 from trout testis. Cary PD, et al. **Eur J Biochem** 1981 Oct;119(3):545–51

Prolactin and growth hormone do not interfere with the response of mouse testes to hCG in vitro. Bartke A, et al. **Experientia** 1982 May 15;38(5):632–3

Testicular reserve of testosterone precursors in primary testicular failure. Glass AR, et al. **Fertil Steril** 1982 Jul; 38(1):92–6

Development of steroidogenesis in the right gonad of domestic fowl masculinized by left ovariectomy. Reyss-Brion M, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):68–74

Effect of photoperiod on the testicular steroidogenesis of the bank vole (Clethrionomys glareolus, Schreber): an in vitro study. Tähkä KM, et al. **Gen Comp Endocrinol** 1982 Jul; 47(3):377–84

Effect of norethindrone acetate on glycogen & phosphorylase of adult rat testes & epididymis. Sengupta D, et al. **Indian J Exp Biol** 1981 Jul;19(7):649–50

Diurnal variation of gonadotrophin receptors in the rat testis. Huhtaniemi I, et al. **Int J Androl** 1982 Apr;5(2):137–44

Identification of lactate dehydrogenase-X translated in vitro from mouse testicular poly A-containing mRNA. Okabe M, et al. **Int J Biochem** 1982;14(5):371–5

Testicular-scrotal content of 201Tl and 67 Ga after intravenous administration. Gupta SM, et al. **Int J Nucl Med Biol** 1981;8(2–3):211–2

Isolation and characterization of gonadotropin isohormones from the pituitary gland of pike eel (Muraenesox cinereus). Huang FL, et al. **Int J Pept Protein Res** 1981 Jul; 18(1):69–78

Stimulation of protein synthesis in round spermatids from rat testes by lactate. II. Role of adenosine triphosphate (ATP). Nakamura M, et al. **J Biochem (Tokyo)** 1981 Oct; 90(4):933–40

Direct inhibition of rat testicular androgen biosynthesis by arginine vasotocin. Studies on mechanisms of action. Adashi EY, et al. **J Biol Chem** 1982 Feb 10;257(3):1301–8

Equine follicle-stimulating hormone. Purification, acid dissociation, and binding to equine testicular tissue. Combarnous Y, et al. **J Biol Chem** 1981 Sep 25; 256(18):9567–72

Characterization of a follitropin-binding component prepared from immature bovine testes in the absence of detergent. Dias JA, et al. **J Biol Chem** 1982 Jan 25;257(2):613–20

Origin of the heavy and light protomers of androgen-binding protein from the rat testis. Larrea F, et al. **J Biol Chem** 1981 Dec 10;256(23):12566–73

Modulation of Leydig cell androgen biosynthesis and cytochrome P-450 levels during estrogen treatment and human chorionic gonadotropin-induced desensitization. Nozu K, et al. **J Biol Chem** 1981 Oct 10;256(19):10012–7

The kinetics of cannabinoid distribution and storage with special reference to the brain and testis. Nahas G, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):208S–214S

Distribution of 125I-labelled follicle-stimulating hormone and human chorionic gonadotrophin in the gonads of hypogonadal (hpg) mice. Charlton HM, et al. **J Endocrinol** 1982 May;93(2):247–52

A study of the first eight hours in the stabilization of plasma testosterone concentration in the hemicastrated rat. Frankel AI, et al. **J Endocrinol** 1982 Feb;92(2):225–9

The hemicastrated rat: definition of a model for the study of the regulation of testicular steroidogenesis. Frankel AI, et al. **J Endocrinol** 1982 Feb;92(2):213–23

Hormones and the differentiation of type A spermatogonia in mouse cryptorchid testes incubated in vitro. Haneji T, et al. **J Endocrinol** 1982 Jul;94(1):43–50

Response of testosterone to hemicastration in the testicular vein of the mature rat. Mock EJ, et al. **J Endocrinol** 1982 Feb;92(2):231–6

Effect of injected human chorionic gonadotrophin on capillary permeability, extracellular fluid volume and the flow of lymph and blood in the testes of rats. Setchell BP, et al. **J Endocrinol** 1981 Nov;91(2):245–54

In vivo and in vitro effect of cold on the degree of polymerization of tubulin in toad brain and testis. Lopez LA, et al. **J Exp Zool** 1982 May 20;221(1):9–12

Selenium in the testis of the rat: studies on its regulation and its importance for the organism. Behne D, et al. **J Nutr** 1982 Sep;112(9):1682–7

Effects of ascorbic acid on in vitro steroidogenesis in guinea pigs. Pintauro SJ, et al. **J Nutr** 1982 Mar;112(3):584–91

The effect of ionic environment in specific FSH binding to plasma membrane receptor. Bluestein BI, et al. **J Recept Res** 1981;2(3):245–66

Changes in rat testicular adenylate cyclase activities and gonadotrophin binding during unilateral experimental cryptorchidism. Jahnsen T, et al. **J Reprod Fertil** 1981 Nov; 63(2):381–90

Development and cellular localization of rat testicular aromatase activity. Rommerts FF, et al. **J Reprod Fertil** 1982 Jul;65(2):281–8

Androgen binding to subcellular particles of rat testis. Campo S, et al. **J Steroid Biochem** 1982 Aug;17(2):165–73

17 beta-Oxidation of estradiol and testosterone in the human testis. Leinonen P. **J Steroid Biochem** 1982 Feb; 16(2):277–81

Lipoproteins stimulate androgen production by cultured rat testis cells. Schreiber JR, et al. **J Steroid Biochem** 1982 Jan;16(1):39–43

Effect of sodium molybdate on the binding of androgen-receptor complexes to germ cell and Sertoli cell chromatin. Tsai YH, et al. **J Steroid Biochem** 1982 Aug; 17(2):131–6

Conversion of spironolactone to an active metabolite in target tissues: formation of 7 alpha-thiospironolactone by microsomal preparations from guinea pig liver, adrenals, kidneys, and testes. Sherry JH, et al. **Life Sci** 1981 Dec 28;29(26):2727–36

Distribution of long chain polyenoic acids among phospholipids of mouse testis. Grogan WM. **Lipids** 1981 Dec;16(12):940–2

Vitamin A storing cell. Yamada E. **Methods Enzymol** 1982; 81:834–9

Critical appraisal of the 'mouse testicular DNA-synthesis inhibition test' for the detection of mutagens and carcinogens. Donatsch P, et al. **Mutat Res** 1982 Feb 22; 92(1–2):265–73

Autoregulation of androgen production in a primary culture of rat testicular cells. Adashi EY, et al. **Nature** 1981 Oct 29;293(5835):737–8

Direct inhibition of testicular androgen biosynthesis revealing antigonadal activity of neurohypophysial hormones. Adashi EY, et al. **Nature** 1981 Oct 22;293(5834):650–2

Absence of gonadotropin-releasing hormone receptors in human gonadal tissue. Clayton RN, et al. **Nature** 1982 Sep 2;299(5878):56–9

Progestin receptors in testes from various animal species. Seiki K, et al. **Tokai J Exp Clin Med** 1981 Oct;6(4):343–51

[Studies on distribution of 14C-gossypol in subcellular fractions of rat testes and site of gossypol action (author's transl)] Liang DC, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):153–7 (Eng. Abstr.) **(Chi)**

[Autoregulation of the gonadotropin receptors in rat testes after human chorionic gonadotropin administration (author's transl)] Kawamura H, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Sep 20;57(9):1199–208 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Immunofluorescence and Treponema infection: a method using immunofluorescence to study rabbit testicular tissue infected with T pallidum and T pertenue. Mote PT, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):295–7

Adaptation of Jaipur strain of sheeppox virus in primary lamb testicular cell culture. Kalra SK, et al. **Indian J Exp Biol** 1981 Feb;19(2):165–9

Toxicity of Haemophilus pleuropneumoniae for porcine lung macrophages, peripheral blood monocytes, and testicular cells. Bendixen PH, et al. **Infect Immun** 1981 Sep; 33(3):673–6

PATHOLOGY

Structure-activity requirements for the induction of testicular atrophy by butyl phthalates in immature rats: effect on testicular zinc content. Foster PM, et al. **Adv Exp Med Biol** 1981;136 Pt A:445–52

Gonadal morphology in patients receiving chemotherapy for leukemia. Evidence for reproductive potential and against a testicular tumor sanctuary. Kuhajda FP, et al. **Am J Med** 1982 May;72(5):759–67

Effects on the efferent ducts in Macaca mulatta. Marsh LD, et al. **Am J Pathol** 1982 Jun;107(3):310–5

Testicular atrophy in the spontaneously diabetic BB Wistar rat. Wright JR Jr, et al. **Am J Pathol** 1982 Jul;108(1):72–9

Histological and meiotic evaluation of infertile men. Micic S, et al. **Andrologia** 1981 Sep-Oct;13(5):499–503

Some observations on the mental deficiency, normofunctional testicular hyperplasia and fra (X) (q28) chromosome syndrome. Rivera H, et al. **Ann Genet (Paris)** 1981; 24(4):220–2

Medrogestone and an LHRH analogue as potential combination therapy for hormone-dependent cancers. Auclair C, et al. **Arch Androl** 1982 Feb;8(1):21–4

Alterations in neuroendocrine function during photoperiod induced testicular atrophy and recrudescence in the golden hamster. Steger RW, et al. **Biol Reprod** 1982 Apr; 26(3):437–44

Morphological changes in the hypothalamic-hypophyseal-gonadal axis of male rats after twelve months of streptozotocin-induced diabetes. Rossi GL, et al. **Diabetologia** 1981 Nov;21(5):476–81

Testicular biopsy: indications and complications. Hjort T, et al. **Eur J Pediatr** 1982 Feb;138(1):23–5

Follicle-stimulating hormone. IV. Study of the histology of pubertal cryptorchid and scrotal testes in relation to the secretion of gonadotropins. Schindler AM, et al. **Fertil Steril** 1982 Jun;37(6):828–36

Quantitative analysis of testicle biopsy: determination of partial obstruction and prediction of sperm count after surgery for obstruction. Silber SJ, et al. **Fertil Steril** 1981 Oct;36(4):480–5

Dysgenesis of testicular and streak gonads in the syndrome of mixed gonadal dysgenesis: perspective derived from a clinicopathologic analysis of twenty-one cases. Robboy SJ, et al. **Hum Pathol** 1982 Aug;13(8):700–16

Histological and histometrical studies of testicular hypertrophy following hemicastration of albino rats. Osuide G, et al. **Indian J Physiol Pharmacol** 1982 Jan-Mar; 26(1):23–32

Clinical evaluation of DNA flow cytometry of fine needle aspirates from testes of infertile men. Abyholm T, et al. **Int J Androl** 1981 Oct;4(5):505–14

Arterialization of the liver prevents testicular atrophy in portacaval shunted rats. Bortolussi M, et al. **Int J Androl** 1982 Feb;5(1):45–51

Cytogenetic and histological studies in a series of subfertile males. Curtis D, et al. **Int J Androl** 1982 Apr;5(2):113–29

Studies on the scrotal testis in unilateral experimental cryptorchidism in rat and guinea pig. Karpe B, et al. **Int J Androl** 1982 Feb;5(1):59–73

A simplification of a new scoring system for rapid testicular biopsy evaluation. Makler A. **Int J Fertil** 1980;25(2):137–40

Testicular damage associated with zinc deficiency in pre- and postpubertal rats: response to zinc repletion. Mason KE, et al. **J Nutr** 1982 May;112(5):1019–28

Unilateral testicular hypertrophy: an apparently benign occurrence without cryptorchidism. Lee PA, et al. **J Urol** 1982 Feb;127(2):329–31

Pretreatment testicular biopsy in childhood acute lymphocytic leukaemia. Kim TH, et al. **Lancet** 1981 Sep 26;2(8248):657–8

Clinico-pathological study of testicular involvement in leprosy. Kumar B, et al. **Lepr India** 1982 Jan;54(1):48–55

The role of testicular biopsy in the investigation of male infertility. Leong AS, et al. **Pathology** 1982 Apr; 14(2):205–10

'Malignant' macroscopic appearance of an inflammatory testicular lesion—a reminder for surgeons. Sternberg A, et al. **Postgrad Med J** 1981 Apr;57(666):259–61

Testicular atrophy as a risk inguinal hernioplasty. Wantz GE. **Surg Gynecol Obstet** 1982 Apr;154(4):570–1

BCG-induced orchitis: structural changes during the degeneration of seminiferous tubules of rats and rabbits. Torgersen HM, et al. **Urol Res** 1982;10(2):97–104

Effect of experimental cryptorchidism on the testis in the rat—a histological study. Padmanabhan R, et al. **Z Mikrosk Anat Forsch** 1981;95(6):1057–64

[Atypical intratubular germ cells and testicular germ cell tumors in children (author's transl)] Guinand S, et al. **Ann Pathol** 1981;1(4):251–7 (Eng. Abstr.) **(Fre)**

[Qualitative and quantitative studies on testicular tissue using semi-thin slides in patients with oligozoospermia. I. Data gathering, statistical evaluation and histological specimens] Eckmann B, et al. **Andrologia** 1981 Sep-Oct;13(5):425–34 **(Ger)**

[Qualitative and quantitative investigations on testicular tissue using the semithin slide technic in patients with oligozoospermia. II. Results] Eckmann B, et al. **Andrologia** 1982 Jan-Feb;14(1):43–54 (Eng. Abstr.) **(Ger)**

[Testicular biopsy for diagnosis of fertility disorders (author's transl)] Heymer B. **MMW** 1981 May 15;123(20):841–4 (Eng. Abstr.) **(Ger)**

[Pathology of testis in fertility disorders] Städtler F. **Pathologe** 1982 May;3(3):149–59 **(Ger)**

[Sonography of the testes with a new 5 MHz transducer (author's transl)] Stenzel I, et al. **Rontgenblatter** 1981 Aug; 34(8):291–3 (Eng. Abstr.) **(Ger)**

[Testicular biopsies in male diabetics] Thiel W, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):917–20 (Eng. Abstr.) **(Ger)**

[The importance of varicocele in children (author's transl)] Jenny P, et al. **Z Kinderchir** 1982 Mar;35(3):90–2 (Eng. Abstr.) **(Ger)**

[Structural and ultrastructural characteristics of the peritubular and intertubular formations of the human cryptorchid testis] Tedde G, et al. **Arch Ital Anat Embriol** 1981;86(3):255–69 (Eng. Abstr.) **(Ita)**

[Histopathological aspects of male infertility] Ventura M, et al. **Minerva Urol** 1982 Jan-Mar;34(1):51–3 **(Ita)**

[Testicular biopsy: theoretical and practical indications in the

study of male infertility] Ricco R. **Recenti Prog Med** 1982 Jan;72(1):107–17 (Eng. Abstr.) **(Ita)**

[Histopathological diagnosis of male infertility by testicular biopsy (author's transl)] Namiki T, et al. **Rinsho Byori** 1982 Jan;30(1):59–64 **(Jpn)**

[Clinical observations of testicular involvement in childhood acute leukemia (author's transl)] Tsuji K, et al. **Rinsho Ketsueki** 1981 Sep;22(9):1412–9 (Eng. Abstr.) **(Jpn)**

[Testicular biopsy in male sterility. I–Technic, evaluation and interpretation] Gonçalves LF, et al. **Acta Med Port** 1981 Jan–Feb;3(1):57–69 (24 ref.) (Eng. Abstr.) **(Por)**

[Role of atypical sex cells in the histogenesis of germinative testicular tumors] Romanenko AM, et al. **Arkh Patol** 1982; 44(2):22–8 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of steroid-producing glands in alimentary obesity] Khmel'nitskiĭ OK, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):545–7 (Eng. Abstr.) **(Rus)**

[Cytogenetic and gonadotoxic action of a static electrical field] Stankevich KI, et al. **Gig Sanit** 1981 Oct;(10):9–11 (Eng. Abstr.) **(Rus)**

[A comparison of submicroscopic changes in the testes of rams after experimental ischemia with findings in orchitis in breeding rams] Vrzgulová M. **Vet Med (Praha)** 1981 Oct;26(10):599–608 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

FSH and testosterone effects in seminiferous tubules of immature hypophysectomized rats. Collins JA, et al. **Am J Physiol** 1981 Sep;241(3):E233–7

Participation of a pure neuronal mechanism in the control of gonadal functions. Gerendai I, et al. **Andrologia** 1981 Jul–Aug;13(4):275–82

Evidence of a wave of spermatogenesis in human testis. Schulze W. **Andrologia** 1982 Mar–Apr;14(2):200–7

Micropuncture and microperfusion techniques for the study of testicular physiology. Hinton BT, et al. **Ann NY Acad Sci** 1982;383:29–43 (28 ref.)

The secretion, measurement, and function of a testicular LHRH-like factor. Sharpe RM, et al. **Ann NY Acad Sci** 1982;383:272–94 (42 ref.)

Role of FSH in the control of testicular function. Davies AG. **Arch Androl** 1981 Sep;7(2):97–108 (64 ref.)

Rete testis fluid contains a growth factor for cultured fibroblasts. Brown KD, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):391–7

Program for the fifteenth annual meeting of the Society for the Study of Reproduction, including a symposium on cellular and molecular approaches to the study of reproduction. University of Wisconsin, Madison, Wisconsin 53706, July 19–22, 1982. Abstracts. **Biol Reprod** 1982; 26(Suppl 1):37A–166A

Effects of short photoperiod on pituitary and testicular function in the Chinese hamster, Cricetulus griseus. Bartke A, et al. **Biol Reprod** 1981 Dec;25(5):958–62

Neutralization of gonadotropin-releasing hormone in neonatal rats with permanent impairment of the hypothalamic-pituitary-testicular axis. Bercu BB. **Biol Reprod** 1982 May;26(4):612–9

Circadian photosensitive phase and photoperiodic control of testis activity in the mink (Mustela vison Peale and Beauvois), a short-day mammal. Boissin-Agasse L, et al. **Biol Reprod** 1982 Feb;26(1):110–9

Plasma prolactin concentrations and testicular human chorionic gonadotropin binding sites during short photoperiod-induced testicular regression and recrudescence in the golden hamster. Klemcke HG, et al. **Biol Reprod** 1981 Oct;25(3):536–48

Localization of testicular plasminogen activator in discrete portions (stage VII and VIII) of the seminiferous tubule. Lacroix M, et al. **Biol Reprod** 1981 Aug;25(1):143–6

Photoperiodic regulation of testis function in rats: mediation by a circadian mechanism. Nelson RJ, et al. **Biol Reprod** 1982 Mar;26(2):329–35

Testicular function among epichlorohydrin workers. Milby TH, et al. **Br J Ind Med** 1981 Nov;38(4):372–7

HCG-stimulation of testicular steroidogenesis during induced hyper- and hypoprolactinaemia in man. Martikainen H, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):227–34

Pineal is required for testicular maintenance in the turkish hamster (mesocricetus brandti). Carter DS, et al. **Endocrinology** 1982 Sep;111(3):863–71

Gonadotropin binding and Leydig cell activation in the rat testis in vivo. Huhtaniemi IT, et al. **Endocrinology** 1982 Sep;111(3):982–7

An assessment of Leydig cell function after bilateral or unilateral efferent duct ligation: further evidence for local control of Leydig cell function. Risbridger GP, et al. **Endocrinology** 1981 Oct;109(4):1234–41

HYpophysectomy and simultaneous testosterone replacement: effects on male rat reproductive tract and epididymal delta 4–5 alpha-reductase and 3 alpha-hydroxysteroid dehydrogenase. Robaire B, et al. **Endocrinology** 1981 Oct;109(4):1225–33

Inhibition of pituitary-testicular function with [D-Trp6] luteinizing hormone-releasing hormone in rhesus monkeys. Sundaram K, et al. **Endocrinology** 1982 Apr;110(4):1308–14

Studies on the erythropoietic effect of testis of toad at a simulated high altitude (hypoxic exposure). Boral MC, et al. **Endokrinologie** 1981 Oct;78(1):35–40

Intracellular potentials recorded from seminiferous tubules of rats and intracellular staining of monitored cells. Yamamoto M, et al. **Fertil Steril** 1982 May;37(5):714–6

Regeneration of the seminiferous tubules after curettage of the testicular parenchyme in young rams. Vrzgulová M. **Gegenbaurs Morphol Jahrb** 1982;128(1):68–77

A biochemical and quantitative electron microscope study on steroidogenesis in ovotestis and digestive gland of the pulmonate snail Lymnaea stagnalis. de Jong-Brink M, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):30–8

The effects of castration on the seasonal pattern of plasma LH concentrations in wild mallard drakes. Haase E, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):113–5

Photoperiodic control of the timing of testicular regression in white-throated sparrows. Harris MO, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):124–9

Role of gonadal feedback in annual reproduction of the weaver bird: interaction with photoperiod. Pavgi SS, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):521–6

Seasonal reproduction in the mongoose, Herpestes auropunctatus. II. Testicular responsiveness to luteinizing hormone. Soares MJ, et al. **Gen Comp Endocrinol** 1982 Jun; 47(2):226–34

Thyroid, gonad, and photoperiod in the hemopoiesis of the migratory red-headed bunting, Emberiza bruniceps. Thapliyal JP, et al. **Gen Comp Endocrinol** 1982 Mar; 46(3):327–32

Peptidases in the kidney and urine of rats after castration. Jedrzejewski K, et al. **Histochemistry** 1982;74(1):63–84 (61 ref.)

Effect of testosterone on the hypothalamic-pituitary-testicular axis of the old male rat. Larrea GA, et al. **Horm Metab Res** 1981 Jul;13(7):396–9

Perinatal activity of the hypothalamic-pituitary-gonadal axis in the lamb. IV. Testicular responsiveness to hCG from 1 through 28 days of life. Hamel R, et al. **Horm Res** 1981; 15(3):179–88

Transpubertal modulation of pituitary and testicular function in the ob/ob mouse. Wilkinson M, et al. **Horm Res** 1981; 14(2):95–103

Effects of gonadotrophin treatment in vivo on testicular function in immature rhesus monkeys (Macaca mulatta). Arslan M, et al. **Int J Androl** 1981 Aug;4(4):462–74

A correlative study of the restorative effects of endogenous and exogenous hormones on the leydig cells, the testis and the epididymis of the regressed hedgehog. Effects of hormones on hedgehog Leydig cells. Bidwai PP, et al. **Int J Androl** 1981 Oct;4(5):590–605

A study of the short-time variation and interrelationship of plasma hormone levels reflecting pituitary, adrenocortical and testicular function in fertile men. de la Torre B, et al. **Int J Androl** 1981 Oct;4(5):532–45

Reproductive functions in young fathers and grandfathers. Nieschlag E, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):676–81

Episodic luteinizing hormone (LH) secretion and the response of LH and follicle-stimulating hormone to LH-releasing hormone in aged men: evidence for coexistent primary testicular insufficiency and an impairment in gonadotropin secretion. Winters SJ, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):560–5

Testicular function in strains of mice selected for differences in gonadotrophin-induced ovulation. Wolfe HG, et al. **J Endocrinol** 1981 Sep;90(3):367–73

Growth, differentiation, and function of the testes in the toad Bufo bufo bufo (L.), with special reference to regulatory capacities: effects of unilateral castration, hypophysectomy, and excision of Bidder's organs. Jørgensen CB, et al. **J Exp Zool** 1982 Jun 10;221(2):225–36

Structure and gametogenic potential of seminiferous tubules in ageing mice. Gosden RG, et al. **J Reprod Fertil** 1982 Jan;64(1):127–33

Long-term rhythms of testicular volume and plasma prolactin concentrations in rams reared for 3 years in constant photoperiod. Howles CM, et al. **J Reprod Fertil** 1982 Jul;65(2):439–46

Effects of obstruction of the flow of seminiferous tubule fluid on the germinal epithelium in the rat. Pilsworth LM, et al. **J Reprod Fertil** 1981 Nov;63(2):347–53

Thermal characteristics of the testis and epididymis of the boar. Stone BA. **J Reprod Fertil** 1981 Nov;63(2):551–7

Spermatogenesis in the grey squirrel (Sciurus carolinensis) and changes during sexual regression. Tait AJ, et al. **J Reprod Fertil** 1982 May;65(1):53–8

In-vitro spontaneous electrical activity of rat efferent ductules. Talo A. **J Reprod Fertil** 1981 Sep;63(1):17–20

Endocrinological study of testicular descent in the rabbit. Rajfer J. **J Surg Res** 1982 Aug;33(2):158–63

Activities of cathepsin D in rat prostate during castration induced involution. Tanabe ET, et al. **J Urol** 1982 Apr; 127(4):826–8

Testicular effects on food intake, body weight, and body composition in male hamsters. Slusser WN, et al. **Physiol Behav** 1981 Oct;27(4):637–40

The effect of polybrominated biphenyl (PBB) in testes, adrenal, and pituitary function in the rat. Castracane VD, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):343–7

Testicular proteins which can be used to study seminiferous tubular function: a study of ABP and other testis-specific markers. Cheng SL, et al. **Prog Clin Biol Res** 1982; 87:193–216 (36 ref.)

Spermatogenesis in the boar. Frankenhuis MT, et al. **Vet Q** 1982 Apr;4(2):57–61

[Determination of hormones in andrology] Krause W. **Andrologia** 1981 Sep–Oct;13(5):508–9 **(Ger)**

[Gonadal function in the rat exposed to a high intensity electric field of 50 Hz] Margonato V, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):275–81 (Eng. Abstr.) **(Ita)**

[Effects on the mouse epididymis of juvenile ligation of the ductuli efferentes or proximal epididymal duct: qualitative and quantitative histological studies (author's transl)] Takano H, et al. **Hokkaido Igaku Zasshi** 1981 Mar; 56(2):133–41 (Eng. Abstr.) **(Jpn)**

[Changes in the mouse epididymis after ligation of the ductuli efferentes or proximal epididymal duct: qualitative and quantitative histological studies (author's transl)] Takano H, et al. **Kaibogaku Zasshi** 1981 Apr;56(2):79–90 (Eng. Abstr.) **(Jpn)**

[Studies on testicular endocrinological function by estimation of plasma testosterone, estradiol and estradiol testosterone ratio. Studies on testicular function; report 9 (author's transl)] Enatsu C, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1450–69 (Eng. Abstr.) **(Jpn)**

[Late effect of orchidopexy on testicular development and function] Suiu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1982 Jan–Mar; 31(1):79–84 **(Rum)**

[Regulation of testicular function by estradiol. I. Standard of development and variations in the post-cryptorchism estradiol receptor] Estrada A, et al. **Acta Cient Venez** 1980; 31(3):287–90 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pituitary and gonadal function in prepubertal and pubertal boys with hypospadias. Okuyama A, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):464–9

Pituitary gonadal function in diabetic male patients with and without impotence. Zeidler A, et al. **Andrologia** 1982 Jan–Feb;14(1):62–8

Hypothalamo--pituitary--gonadal axis and sperm-agglutinating antibodies in infertile men treated for cryptorchidism. Koskimies AI, et al. **Arch Androl** 1982 May;8(3):181–3

Testicular temperature and sperm production in induced cryptorchid [letter] Thwaites CJ, et al. **Aust Vet J** 1982 Mar;58(3):123

Testicular function after renal transplantation. Handelsman DJ, et al. **Clin Endocrinol (Oxf)** 1981 May;14(5):527–38

Pituitary-testicular function in protein-deficient rats. Follicle-stimulating hormone hyperresponse to castration and supersensitivity of gonadotropin secretion to androgen negative feedback. Glass AR, et al. **Endocrinology** 1982 May;110(5):1542–6

Pituitary-testicular function in patients with alcoholic cirrhosis of the liver. Bahnsen M, et al. **Eur J Clin Invest** 1981 Dec;11(6):473–9

Patterns of hypothalamic-pituitary-gonadal dysfunction in men with liver disease due to differing etiologies. van Thiel DH, et al. **Hepatology** 1981 Jan–Feb;1(1):39–46

Testicular function after unilateral orchiectomy for cancer and before further treatment. Fossà SD, et al. **Int J Androl** 1982 Apr;5(2):179–84

Microfluorometric assessment of sperm maturation in testicular biopsies from men with histologically normal or reduced spermatogenesis. Johannisson E, et al. **Int J Androl** 1982 Feb;5(1):11–20

Testicular responsiveness to human chorionic gonadotrophin in growth hormone deficient pre-pubertal boys: lack of effect of replacement therapy. Zipf WB, et al. **Int J Androl** 1982 Apr;5(2):185–90

Testicular responsiveness to chronic human chorionic gonadotropin administration in hypogonadotropic hypogonadism. D'Agata R, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):76–80

Effect of gonadotropin-releasing hormone on pituitary-gonadal function of male infants during the first year of life. Tapanainen J, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):689–92

Hypothalamic-pituitary-testicular function in men with PRL-secreting tumors. Ambrosi B, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):309–15

Effect of foetal pinealectomy on the pituitary gonadal axis in male rats. Jarrige JF, et al. **J Physiol (Paris)** 1981 Mar; 77(8):877–82

Testicular function in 2 cases of penile agenesis. Gautier T, et al. **J Urol** 1981 Oct;126(4):556–7

Dissociation between sleep-related and TRH-induced prolactin secretion in seminiferous tubule failure. Spitz IM, et al. **Metabolism** 1982 Jan;31(1):10–3

Neuroendocrinological implications of alcoholism. Rawat AK. **Prog Biochem Pharmacol** 1981;18:35–57 (66 ref.)

Hypothalamic-pituitary-gonadal function in liver disease. Van Thiel DH. **Prog Biochem Pharmacol** 1981;18:24–34

The pituitary-testicular axis in prostatic disease: the potential of salivary steroid assays. Griffiths K, et al. **Prog Clin Biol Res** 1981;75B:31–53 (49 ref.)

The effect of starvation, diabetes or hypophysectomy on the testicular function in rat. Ruiz de Galarreta CM, et al. **Rev Esp Fisiol** 1981 Jun;37(2):135–40

The effect of alkylating agents on the reproductive and hormonal testicular function in patients with rheumatoid arthritis. Lazowski Z, et al. **Scand J Rheumatol** 1982; 11(1):49–54

[Testicular function after chemotherapy for acute lymphoblastic leukemia (editorial)] **S Afr Med J** 1981 Oct 24;60(17):646-7 **(Afr)**

[Pituitary-gonadal function in male diabetic patients (author's transl)] Cailleba A, et al. **Nouv Presse Med** 1982 Apr 17; 11(18):1375-7 (Eng. Abstr.) **(Fre)**

[Correlations between hypothalamo-hypophyseal and testicular function in hyperthyroidism] Földes J, et al. **Orv Hetil** 1982 Jun 27;123(26):1599-602 **(Hun)**

[Testicular function in alcoholism] Astrakhantsev AF. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):67-70 (63 ref.) **(Rus)**

[Idiopathic hemochromatosis: a study of pituitary function in patients and potentially affected relatives (author's transl)] Miralles García JM, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):93-7 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Dosimetry for a study of effects of 2.45-GHz microwaves on mouse testis. Cairnie AB, et al. **Bioelectromagnetics** 1980; 1(3):325-36

Recovery from aspermia induced by low-dose radiation in seminoma patients. Hahn EW, et al. **Cancer** 1982 Jul 15; 50(2):337-40

Effects of hyperthermia and radiation on mouse testis stem cells. Reid BO, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4453-7

X-ray induced aberrations in the testicular lactate dehydrogenase of non-scrotal insectivorous microchiroptera--Rhinopoma kinneari Wroughton (mammalia). Singwi MS, et al. **Cell Mol Biol** 1982; 28(2):255-9

Fine structure of seminiferous tubules from prenatally irradiated rats. Abreu I, et al. **Cell Tissue Res** 1982 Jan; 222(1):143-52

Radiation dose and biological effects to mouse testis from sodium 32P-phosphate. Mian TA, et al. **Health Phys** 1982 May;42(5):657-64

Effect of Co-60 external irradiation on the active testes of house sparrow, Passer domesticus (linnaeus) I. Histopathological studies. Kumar M, et al. **J Radiat Res (Tokyo)** 1981 Jun;22(2):173-81

Cytogenetic effects of protracted gamma exposures from conception of male mice. Searle AG, et al. **Mutat Res** 1982 Jul;95(1):61-8

The relative biological effect of high-Z, high-LET charged particles for spermatogonial killing. Alpen EL, et al. **Radiat Res** 1981 Oct;88(1):132-43

Growth of spermatogenetic colonies in the mouse testis after irradiation with fission neutrons. van den Aardweg GJ, et al. **Radiat Res** 1982 Jan;89(1):150-65

Effect of chronic irradiation of 60Co-gamma-ray at low dose rate on rhesus monkey. -Effect on peripheral blood and testis. Cheng W, et al. **Sci Sin [B]** 1982 Apr;25(4):376-84

[Reproductive and hormonal testicular function in rats under conditions of an internal continuous irradiation] Dedov VI, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):159-66 (Eng. Abstr.) **(Ger)**

[Radiation burden of te gonadal area in roentgen diagnosis with image intensifying photography and image intensification television fluorography] Steinbach W, et al. **Radiol Diagn (Berl)** 1981;22(6):838-47 (Eng. Abstr.) **(Ger)**

[A gonadal shield with appropriate wall thicknesses for Co-60-teletherapy (author's transl)] Kahlhöfer J. **Strahlentherapie** 1982 Mar;158(3):190-3 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide testicular scanning. Penkava RR. **Am Fam Physician** 1982 Mar;25(3):181-2

Dynamic radionuclide scanning of the testis in acute scrotal conditions. Thomas WE, et al. **Br J Surg** 1981 Sep; 68(9):621-4

SECRETION

Influence of mesonephros on foetal and neonatal rabbit gonads. I. Sex-steroid release by the testis in vitro. Grinsted J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):272-80

Endocrine evaluation in infertile men with varicocele. Freire FR, et al. **Andrologia** 1981 Sep-Oct;13(5):395-404

Male reproductive endocrinology. Franks S. **Clin Obstet Gynaecol** 1981 Dec;8(3):549-69 (64 ref.)

Steroid secretion by sexually immature rat and rabbit testes perfused in vitro. Chubb C, et al. **Endocrinology** 1981 Dec; 109(6):1999-2003

Ethanol-induced release of adenosine 3',5'-monophosphate into the medium by rat testis in vitro. Rajan VP, et al. **Endocrinology** 1982 Jan;110(1):80-8

Gonadotropin specificity of acute testicular androgen secretion in birds. Chase DJ. **Gen Comp Endocrinol** 1982 Apr;46(4):486-99

Human testicular LH receptors: correlations with circulating gonadotrophins and testicular steroid secretion. Leinonen P, et al. **Int J Androl** 1982 Apr;5(2):145-57

Spermatic and peripheral plasma concentrations of testosterone and androstenedione in prepubertal boys. Forti G, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):883-6

Human testis does not secrete oestrone sulphate. Wu FC, et al. **J Endocrinol** 1982 Feb;92(2):185-94

Gonadal and adrenal secretion of dehydroepiandrosterone sulfate in prepubertal and pubertal subjects. Zappulla F, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):197-202

The ontogeny of Mullerian inhibiting substance in the gonads of the chicken. Hutson J, et al. **J Pediatr Surg** 1981 Dec; 16(6):822-7

Secretion of steroid sulfates from human testis and their response to a single intramuscular injection of 5000 IU hCG. Ruokonen A, et al. **J Steroid Biochem** 1981 Dec; 14(12):1357-60

Dissimilar effects of transglutaminase inhibitors on peptide hormone-indiced secretion from testis and pituitary. Moger WH, et al. **Life Sci** 1981 Oct 26;29(17):1741-6

Stage-dependent secretion of ABP by rat seminiferous tubules. Ritzen EM, et al. **Mol Cell Endocrinol** 1982 Jan; 25(1):25-33

Physiological significance of fluid secretion in the testis and blood-testis barrier. Waites GM, et al. **Physiol Rev** 1982 Apr;62(2):624-71 (479 ref.)

[Endocrine function of gonads and adrenal glands in athymic and thymectomized mice] Chesnokova VM, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):102-4 **(Rus)**

[Age-related characteristics of the state of the hypophyseal-gonad-adrenal system in rabbits] Bondarenko LA. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):54-6 (Eng. Abstr.) **(Rus)**

[Androgenic function of the testes and gonadotropic activity of the pituitary gland in various forms of cryptorchism in children and adolescents] Skorodok LM, et al. **Probl Endokrinol (Mosk)** 1981;27(6):33-9 (Eng. Abstr.) **(Rus)**

[Diagnostic stimulation test for the evaluation of the testosterone-secreting ability of the testis] Ježová-Repčeková D, et al. **Vnitr Lek** 1981 Mar; 27(3):263-8 (Eng. Abstr.) **(Slo)**

SURGERY

Analysis of cord length obtained during steps of orchiopexy. Odiase V, et al. **Br J Urol** 1982 Jun;54(3):308-10

Orchiopexy: experiences at two centers. Lynch DF, et al. **Urology** 1982 May;19(5):507-9

Technique for bilateral orchiectomy leaving epididymis. Moorhead D, et al. **Urology** 1981 Sep;18(3):294

[The problem of testicular subtorsion] Wandschneider G, et al. **Z Urol Nephrol** 1981 Jul;74(7):537-40 (Eng. Abstr.) **(Ger)**

[Study of the ejaculate in cryptorchism] Kuklina MA, et al. **Lab Delo** 1981;(5):271-4 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Action of estradiol on the hermaphroditism induced by testicular graft in the female chick embryo. Stoll R, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):190-9

The influence of gonadectomy, androgen exposure, or a gonadal graft in the neonatal rat on the volume of the sexually dimorphic nucleus of the preoptic area. Jacobson CD, et al. **J Neurosci** 1981 Oct;1(10):1142-7

[Testis autotransplantation in the abdominal cryptorchidism (author's transl)] Giuliani L, et al. **J Urol (Paris)** 1981; 87(5):279-81 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Ultrastructure of testicular damage caused by varicocele. Vydra G. **Acta Chir Acad Sci Hung** 1980;21(1):77-85

Overlapping effect of follicle stimulating hormoae (FSH) and thyrotropin (TSH) on the ultrastructure of immature chicken testes. Dobozy O, et al. **Acta Morphol Acad Sci Hung** 1982;30(1):11-26

Chromosomal anomalies and testicular ultrastructure. Vydra G, et al. **Acta Morphol Acad Sci Hung** 1981;29(4):299-308

Further observations on the Sertoli cell junctions of the mouse testis after metal contract freeze-fracture, and comparisons with cellular junctions of other epithelial cells. Nagano T, et al. **Am J Anat** 1982 Jan;163(1):47-58

Actions of danazol in vivo on cytochrome P-450 and steroidogenic enzymes in rat testis and liver microsomal preparations. Betz G, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):962-72

Light microscopic and ultrastructural evidence of epithelial phagocytosis of sperm in the rete testis and ductuli efferentes in the bull. Goyal HO. **Am J Vet Res** 1982 May; 43(5):785-90

Quantitative and ultrastructural study of germinal epithelium in testicular biopsies with 'mixed atrophy'. Sigg C, et al. **Andrologia** 1981 Sep-Oct;13(5):412-24

Human hypospermatogenesis. Histopathology and ultrastructure. Söderström KO, et al. **Arch Pathol Lab Med** 1982 May;106(5):231-4

Meiotic and synaptonemal complex studies in 45 subfertile males. Vidal F, et al. **Hum Genet** 1982;60(4):301-4

Morphological findings in varicocele: an ultrastructural study of 30 bilateral testicular biopsies. Terquem A, et al. **Int J Androl** 1981 Oct;4(5):515-31

Studies of the deferent ducts from the testis of the African elephant, Loxodonta africana. III. Ultrastructure and cytochemistry of the ductuli efferentes. Jones RC, et al. **J Anat** 1981 Sep;133(Pt 2):247-55

Stereological analysis of Leydig cell ultrastructure in aged humans. Mori H, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):634-41

Plasma cell clusters in the interstitial tissue of the testes of Acanthodactylus erythrurus (Reptilia, Lacertidae). Zapata A, et al. **J Comp Pathol** 1981 Apr;91(2):263-70

SEM observation on the basal layer of the rat seminiferous epithelium exposed with collagenase and trypsin. Hamasaki M, et al. **J Electron Microsc (Tokyo)** 1981;30(2):128-35

Correlative light and electron microscopy of dissociated immature rat testicular cells undergoing morphogenesis in vitro. Erickson LA, et al. **J Embryol Exp Morphol** 1980 Dec;60:283-93

Cytogenetic and histological studies of testicular biopsies from subfertile men with chromosome anomaly. Faed MJ, et al. **J Med Genet** 1982 Feb;19(1):49-56

Ultrastructural study of regressed and reactivated testes from Soay rams. Mortimer D, et al. **J Reprod Fertil** 1982 Mar; 64(2):437-42

Effect of the microtubule disrupting agents, colchicine and vinblastine, on seminiferous tubule structure in the rat. Russell LD, et al. **Tissue Cell** 1981;13(2):349-67

[Electron-microscopic observations on bioptic testicular tissue of cancerous patients after oral administration of gossypol (author's transl)] Hei LS. **Chung Hua I Hsueh Tsa Chih** 1981 Sep;61(9):527-9 (Eng. Abstr.) **(Chi)**

[Nature of the blood-tissue barrier in the bladder and testis. Fluorescence microscopy and electron microscopy studies in the rat] Raftopoulos C, et al. **Acta Urol Belg** 1981 Oct; 49(4):496-501 (Eng. Abstr.) **(Fre)**

[A study on the fine structure of interstitial lymphatics and boundary tissue of seminiferous tubules in the human testis (author's transl)] Banya Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct;72(10):1298-319 (Eng. Abstr.) **(Jpn)**

[Morphological picture of embryonal and fetal gonads versus the embryonal karyotype] Kędzia H, et al. **Ginekol Pol** 1981 Jul;52(7):573-84 (Eng. Abstr.) **(Pol)**

[Structural organization of testicular peritubular tissue] Volkova OV, et al. **Vestn Akad Med Nauk SSSR** 1981; (11):80-6 (Eng. Abstr.) **(Rus)**

[The effect of psychological factors on the neuroendocrine system] Milin R, et al. **Glas Srp Akad Nauka [Med]** 1981; 326(34):37-41 **(Scc)**

TESTOLACTONE

ANALOGS & DERIVATIVES

Estrogen synthesis in human breast tumor and its inhibition by testololactone and bromoandrostenedione. Dao TL. **Cancer Res** 1982 Aug;42(8 Suppl):3338s-3341s

In vivo effects of delta 1-testololactone on peripheral aromatization. Judd HL, et al. **Cancer Res** 1982 Aug;42(8 Suppl):3445s-3448s

delta 1-testololactone: clinical trials'. Segaloff A. **Cancer Res** 1982 Aug;42(8 Suppl):3387s-3388s

PHARMACODYNAMICS

The antiandrogenic effects of delta 1-testolactone (Teslac) in vivo in rats and in vitro in human cultured fibroblasts, rat mammary carcinoma cells, and rat prostate cytosol. Vigersky RA, et al. **Endocrinology** 1982 Jan;110(1):214-9

THERAPEUTIC USE

Musculo-aponeurotic fibromatosis treated by surgery and testolactone. Sauven P. **J R Soc Med** 1982 Apr;75(4):281-3

TESTOSTERONE

Spontaneous occurrence of atypical hyperplasia and adenocarcinoma of the uterus in androgen-sterilized SD rats. Morikawa S, et al. **JNCI** 1982 Jul;69(1):95-101

Anesthetic pregnanes counteract androgen-induced defeminization. Gonzalez-Mariscal G, et al. **Neuroendocrinology** 1982;34(5):357-62

[The studies of controlled release of sex steroids hormones by radiation induced polymerization of glass forming monomers (author's transl)] Nakai K, et al. **Horumon To Rinsho** 1981 Aug;29(8):919-23 **(Jpn)**

ADMINISTRATION & DOSAGE

Hydrogenated soybean oil (HSO) as a vehicle for the chronic and controlled administration of testosterone in the orchidectomized rat. Gerrity M, et al. **Int J Androl** 1981 Aug;4(4):494-504

Use of silastic implants to raise plasma androgen levels in the immature baboon (Papio cynocephalus). Kirdani RY, et al. **J Med Primatol** 1981;10(1):52-4

The response of metastatic adenocarcinoma of the prostate to exogenous testosterone. Fowler JE Jr, et al. **J Urol** 1981 Sep;126(3):372-5

[Bromocriptine (Parlodel) in the treatment of pseudo-pregnancy in bitches (author's transl)] Janssens LA. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):767-70 (Eng. Abstr.) **(Dut)**

[Maldevelopment of sexual behavior in early androgenized male rat. II. Studies of early androgenized male rat (author's transl)] Saka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Feb;73(2):134-42 (Eng. Abstr.) **(Jpn)**

[The pubescent growth delay of the testis and the accessory sexual organs in early androgenized male rat. I. Studies of early androgenized male rat (author's transl)] Saka T, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Feb;

73(2):121–33 (Eng. Abstr.) **(Jpn)**

[Studies on the feedback regulation of gonadotropin concentrations in male rats (I). The effects of hypothalamic implantation of testosterone and its metabolites on gonadotropin release in castrated male rats (author's transl)] Noguchi K. **Nippon Naibunpi Gakkai Zasshi** 1981 Aug 20; 57(8):1139–47 (Eng. Abstr.) **(Jpn)**

[Response of micropenis to topical testosterone and gonadotrophines. A comparative study (author's transl)] Díaz Gómez LA, et al. **An Esp Pediatr** 1982 Feb; 16(2):145–52 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Effect of ethyl alcohol on morphological state of the accessory sex glands of albino rats given estrogens, testosterone and gonadotropin] Semczuk M, et al. **Patol Pol** 1981;32(1):53–65 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Conversion of androgens to estrogens not dependent on testicular tissue in a patient with syndrome of total insensitivity to androgens. Rivas F, et al. **Arch Invest Med (Mex)** 1982;13(1):37–41 **(Eng, Spa)**

Testosterone–dependent changes in vivo and in vitro in the structure of the renal glomeruli of the teleost Gasterosteus aculeatus L. de Ruiter AJ. **Cell Tissue Res** 1981; 219(2):253–66

The effect of puberty and short–term oral administration of testosterone undecanoate on GH tests and sex–steroid related plasma compounds in GH deficient patients. Drop SL, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):375–81

Clinical efficacy of testosterone undecanoate in male hypogonadism. Maisey NM, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):625–9

The behavioural effects of testosterone undecanoate in adult men with Klinefelter's syndrome: a controlled study. Wu FC, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):489–97

Reversible inhibition of spermatogenesis by a long–acting dimeric ethynodiol–testosterone ester. Kuhl H, et al. **Contraception** 1981 Jul;24(1):61–75

Attenuation by a 5 alpha–reductase inhibitor of the activational effect of testosterone propionate on penile erections in castrated male rats. Bradshaw WG, et al. **Endocrinology** 1981 Oct;109(4):1047–51

Dehydrotestosterone penile stimulation in hypospadias surgery. Monfort G, et al. **Eur Urol** 1982;8(4):201–3

Hormonal regulation of a new female–specific serum protein (FP) of the laboratory rat. Schade R, et al. **Experientia** 1982 Apr 15;38(4):509–11

Effect of hormonal milieu on the growth of transplantable granulosa cell tumors in mice. Hatanaka S, et al. **Gan** 1981 Feb;72(1):151–5

Lipids in the kidney and adrenal of squirrel, Funambulus pennanti, after sex–hormones treatment. Gupta VK, et al. **Gegenbaurs Morphol Jahrb** 1982;128(1):84–92

Testosterone–dependent transformation of nephronic tubule cells into serous and mucous gland cells in stickleback kidneys in vivo and in vitro. de Ruiter AJ, et al. **Gen Comp Endocrinol** 1982 May;47(1):70–83

Plasma 11–oxotestosterone and gonadotropin during the beginning of spermiation in rainbow trout (Salmo gairdneri R.). Fostier A, et al. **Gen Comp Endocrinol** 1982 Apr; 46(4):428–34

Formation of 15 alpha–hydroxylated androgens by the testis and other tissues of the sea lamprey, Petromyzon marinus, in vitro. Kime DE, et al. **Gen Comp Endocrinol** 1982 Feb; 46(2):267–70

An alternative method for the synthesis of 11–[3H]ketotestosterone and 11 beta–[3H]hydroxytestosterone from [3H]cortisol. Truscott B. **Gen Comp Endocrinol** 1981 Nov;45(3):409–11

Sex differences in adrenocortical structure and function. VII. Adrenal sterol ester hydrolase activity in the rat and its dependence on gonadal hormones. Trzeciak WH, et al. **Horm Metab Res** 1981 Sep;13(9):519–22

Effect of anabolic steroids on reproductive function of young stallions. Squires EL, et al. **J Anim Sci** 1982 Mar; 54(3):576–82

Limited period of actin of testosterone on memory formation in the chick. Clifton PG, et al. **J Comp Physiol Psychol** 1982 Apr;96(2):212–22

Soft drugs V: Thiazolidine–type derivatives of progesterone and testosterone. Bodor N, et al. **J Pharm Sci** 1982 May; 71(5):514–20

Metabolism of 1,4–androstadiene–3,17–dione by human placental microsomes. Enzyme properties and kinetic parameters in the formation of estrogens and 17 beta–hydroxy–1,4–androstadien–3–one. Milewich L, et al. **J Steroid Biochem** 1981 Nov;14(11):1115–25

Secretion of steroid sulfates from human testis and their response to a single intramuscular injection of 5000 iU hCG. Ruokonen A, et al. **J Steroid Biochem** 1981 Dec; 14(12):1357–60

C–19–steroid 7 alpha–hydroxylation by rat testes. Isolation and identification of: 7 alpha, 17 beta–dihydroxy–5 alpha–androstan–3–one, 5 alpha–androstan–3 alpha, 7 alpha, 17 beta–triol and 5 alpha–androstane–3 beta, 7 alpha, 17 beta–triol. Sunde A, et al. **J Steroid Biochem** 1982 Jul; 17(1):85–8

Synthesis and androgen effects of 7 alpha,17 beta–dihydroxy–5 alpha–androstan–3–one, 5 alpha–androstan–3 alpha,7 alpha,17 beta–triol and 5 alpha–androstane–3 beta,7 alpha,17 beta–triol. Sunde A, et al. **J Steroid Biochem** 1982 Mar;16(3):483–8

Endocrine profile of topterone, a topical antiandrogen, in three species of laboratory animals. Ferrari RA, et al. **Methods Find Exp Clin Pharmacol** 1980 Apr;2(2):65–9

Effects of long–term testosterone administration on pituitary–testicular axis in end–stage renal failure. Barton CH, et al. **Nephron** 1982;31(1):61–4

Is postpartum atrophy of the breast an iatrogenic disease? [letter] Ryan RF, et al. **Plast Reconstr Surg** 1981 Oct; 68(4):647–8

Short–term parenteral and peroral testosterone administration in men with alcoholic cirrhosis. Gluud C, et al. **Scand J Gastroenterol** 1981;16(6):749–55

Synthesis and stereochemistry of 7 beta– and 7 alpha–amino–, acetamido–, hemisuccinamido– and terephthalamido derivatives of testosterone. Cuilleron CY, et al. **Steroids** 1981 Dec;38(6):607–32

[The method for the measurement of the binding capacity of androgen binding protein in human semen (author's transl)] Oda T. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):1–10 (Eng. Abstr.) **(Jpn)**

[Trial of an anabolic–antibiotic combination in benign cervicopathies] Escudero P, et al. **Rev Chil Obstet Ginecol** 1981;46(2):71–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

The concentration of progesterone, 20 alpha–dihydroprogesterone, testosterone, oestrone and oestradiol–17 beta in serum, amniotic fluid and placental tissue of pregnant rabbits. Lau IF, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):605–11

Testosterone and dihydrotestosterone in amniotic fluid and foeto–placental membranes from the guinea pig. Rigaudière N. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):301–7

Gonadotropins, prolactin, testosterone and estradiol in seminal plasma: effect of clomiphene treatment. Rönnberg L, et al. **Andrologia** 1981 Sep–Oct;13(5):406–11

Testosterone, dihydrotestosterone, and zinc concentrations in human testis and epididymis. Suescun MO, et al. **Arch Androl** 1981 Dec;7(4):297–303

Cellular [3H]estradiol and [3H]testosterone localization in the brains of garter snakes: an autoradiographic study. Halpern M, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):211–24

Adrenal and testicular androgen levels are correlated. Parker LN, et al. **Horm Metab Res** 1981 Nov;13(11):653–4

Testicular testosterone concentration, interstitial cell density and spermatogenesis in infertile men. Hirsh AV, et al. **Int J Androl** 1981 Aug;4(4):409–20

Changes in male salivary testosterone concentration with age. Read GF, et al. **Int J Androl** 1981 Dec;4(6):623–7

Salivary testosterone in men: further evidence of a direct correlation with free serum testosterone. Wang C, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1021–4

Amniotic fluid testosterone in prenatal sex determination. Mean F, et al. **J Genet Hum** 1981 Dec;29(4):441–7

Effect of a new 5 alpha–reductase inhibitor on size, histologic characteristics, and androgen concentrations of the canine prostate. Brooks JR, et al. **Prostate** 1982;3(1):35–44

Amniotic fluid testosterone and fetal sex determination (discussion of the endocrine function of the fetal testis). Ansaldi E, et al. **Ric Clin Lab** 1981 Oct–Dec;11(4):349–54

Quantification of endogenous testosterone and dihydrotestosterone in fetal tissues from male guinea–pig. Rigaudière N. **Steroids** 1981 Aug;38(2):185–94

[The experience with the use of radioimmunoanalysis of testosterone in prenatal genetic diagnostics (author's transl)] Macek M, et al. **Cesk Gynekol** 1980 Nov;45(9):626–30 (Eng. Abstr.) **(Cze)**

[Radio–immune assay for determination of testosterone and representation of Y–bodies – sufficiently dependable methods for prenatal diagnosis of sex (author's transl)] Friedrich W, et al. **Zentralbl Gynakol** 1982;104(1):71–4 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

MER–25 does not inhibit the activation of aggression by testosterone in adult Rockland–Swiss mice. Simon NG, et al. **Psychoneuroendocrinology** 1981;6(2):131–7

BIOSYNTHESIS

Steroid metabolism by a tumour of the specific gonadal stroma in a child. Barmach de Niepomniszcze A, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):624–9

Enhancement of gonadotrophin induced 17,20–lyase suppression one week after human chorionic gonadotrophin priming. Smals AG, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):308–12

Purification of rat Leydig cells: functional and morphological evaluation. Dehejia A, et al. **Ann NY Acad Sci** 1982; 383:204–11

In vivo and in vitro response of Leydig cells to acute stimulation by hCG. Haour F, et al. **Ann NY Acad Sci** 1982;383:231–48

Direct effects of gonadotropin releasing hormone on testicular Leydig cell functions. Hsueh AJ. **Ann NY Acad Sci** 1982;383:249–71 (47 ref.)

Gonadotropin–induced desensitization of Leydig cells in vivo and in vitro: estrogen action in the testis. Nozu K, et al. **Ann NY Acad Sci** 1982;383:212–30

LH receptors and steroidogenesis in distinct populations of Leydig cells. Payne AH, et al. **Ann NY Acad Sci** 1982; 383:174–203 (23 ref.)

Relationship between inhibition of interstitial cell testosterone synthesis by cytochalasin B and glucose. Murono EP, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):299–306

Insulin augmentation of testosterone production in a primary culture of rat testicular cells. Adashi EY, et al. **Biol Reprod** 1982 Mar;26(2):270–80

Relation of HCG–stimulated steroidogenesis to serum FSH, LH and prolactin in man. Martikainen H. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):283–9

The influence of calmodulin on steroid synthesis in leydig cells from rat testis. Hall PF, et al. **Endocrinology** 1981 Nov;109(5):1677–82

Serum lipoproteins increase testosterone production in hCG–desensitized Leydig cells. Quinn PG, et al. **Endocrinology** 1981 Nov;109(5):1790–2

Steroidogenic capacity of isolated adult mouse Leydig cells does not decrease with age. Schäfer G, et al. **Endocrinology** 1982 Apr;110(4):1362–6

An examination of various mechanisms for ethanol–induced testicular injury: studies utilizing the isolated perfused rat testes. Van Thiel DH, et al. **Endocrinology** 1981 Dec; 109(6):2009–15

Testicular reserve of testosterone precursors in primary testicular failure. Glass AR, et al. **Fertil Steril** 1982 Jul; 38(1):92–6

The hemicastrated rat: definition of a model for the study of the regulation of testicular steroidogenesis. Frankel AI, et al. **J Endocrinol** 1982 Feb;92(2):213–23

A study of the first eight hours in the stabilization of plasma testosterone concentration in the hemicastrated rat. Frankel AI, et al. **J Endocrinol** 1982 Feb;92(2):225–9

Response of testosterone to hemicastration in the testicular vein of the mature rat. Mock EJ, et al. **J Endocrinol** 1982 Feb;92(2):231–6

The effects of short–term culture and perifusion on LH–dependent steroidogenesis in isolated rat Leydig cells. Rommerts FF, et al. **J Reprod Fertil** 1982 Jul;65(2):289–97

Variation in the steroidogenic responsiveness of isolated rat Leydig cells. Sharpe RM, et al. **J Reprod Fertil** 1982 Jul; 65(2):475–81

Altered steroidogenesis by the fetal bovine freemartin ovary. Shore L, et al. **J Reprod Fertil** 1981 Nov;63(2):309–14

Testicular in vitro conversion of progesterone to testosterone and androstenedione in 17 alpha–hydroxylase deficiency. Salti IS, et al. **J Steroid Biochem** 1982 Aug;17(2):155–7

Lipoproteins stimulate androgen production by cultured rat testis cells. Schreiber JR, et al. **J Steroid Biochem** 1982 Jan;16(1):39–43

Acute effects of LH on incorporation of [35S]–methionine into proteins by isolated rabbit ovarian follicles. YoungLai EV, et al. **J Steroid Biochem** 1982 Mar;16(3):479–82

Sustained suppression of testosterone production by the luteinising–hormone releasing–hormone agonist buserelin in patients with advanced prostate carcinoma. A new therapeutic approach? Borgmann V, et al. **Lancet** 1982 May 15;1(8281):1097–9

hCG–induced inhibition of testicular steroidogenesis: an oestradiol–mediated process? Brinkmann AO, et al. **Mol Cell Endocrinol** 1981 Oct;24(1):65–72

Stimulatory effect of LHRH and its agonists on Leydig cell steroidogenesis in vitro. Sharpe RM, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):141–50

Autoregulation of androgen production in a primary culture of rat testicular cel' Adashi EY, et al. **Nature** 1981 Oct 29;293(5835):737–8

Androgenic response in anovulatory women during menotropins stimulation. Skaf RA, et al. **Obstet Gynecol** 1981 Dec;58(6):714–9

Massive ovarian oedema with production of testosterone. Spinas GA, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):365–71

[Pituitary agenesis in the rat: synthesis of testosterone in fatal testes] Roux C, et al. **C R Seances Acad Sci [III]** 1981 Oct 5;293(4):233–6 (Eng. Abstr.) **(Fre)**

[17,20–Desmolase (lyase) deficiency and male pseudohermaphroditism in Indians of the Curipi river] Vieira Filho JP. **AMB** 1981 Sep;27(9):257–60 (Eng. Abstr.) **(Por)**

BLOOD

Androgen abnormalities in acne vulgaris. Ginsberg GS, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):431–4

Testosterone, luteinizing hormone (LH) and follicle stimulating hormone (FSH) in plasma of rabbit from birth to adulthood. Correlation with sexual and behavioural development. Berger M, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):459–65

Failure of dexamethasone and ACTH to suppress plasma testosterone in cryptorchid boys. Facchinetti F, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):454–8

Plasma testosterone and androstenedione in insulin dependent patients at time of diagnosis and during the first year of insulin treatment. Gluud C, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):406–9

Cortisol, 17 alpha–OH, progesterone and androgen responses to a standardized ACTH–stimulation in different stages of the normal menstrual cycle. Kruyt N, et al.

Acta Endocrinol (Copenh) 1982 Jul;100(3):427–33

The aging Leydig cell: VI. Response of testosterone precursors to gonadotrophin in men. Murono EP, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):455–61

The aging Leydig cell V. Diurnal rhythms in aged men. Murono EP, et al. **Acta Endocrinol (Copenh)** 1982 Apr; 99(4):619–23

The relationship of plasma gonadotropins and androgen concentrations to body growth in boys. Parra A, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):137–47

Temporal and seasonal relationships between LH, testosterone and antlers in fawn and adult male roe deer (Capreolus capreolus L.): a longitudinal study from birth to four years of age. Sempéré AJ, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):295–301

Effect of vitamin A deficient diet on the spermatogenesis and plasma testosterone. Kalla NR. **Acta Eur Fertil** 1981 Sep;12(3):249–53

Clinical evaluation of the prognostic value of GnRH-test in oligospermic patients with basal levels of FSH and T in the normal range: part two. Scarselli G, et al. **Acta Eur Fertil** 1981 Jun;12(2):197–8

Gonadotropins in seminal plasma and blood serum and testosterone in blood serum of males treated for infertile marriage. Kačer J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:155–8

Plasma concentrations of testosterone in the male dog and plasma testosterone profile following single intramuscular injection of HCG. Sundby A, et al. **Acta Vet Scand** 1981; 22(3–4):409–16

The immediate effect of HCG upon plasma testosterone levels in the bull. Sundby A. **Acta Vet Scand** 1981; 22(3–4):403–8

Plasma testosterone, high density lipoprotein cholesterol and other lipoprotein fractions. Gutai J, et al. **Am J Cardiol** 1981 Nov;48(5):897–902

The epidemiology of plasma testosterone levels in middle-aged men. Dai WS, et al. **Am J Epidemiol** 1981 Dec;114(6):804–16

Effect of danazol on gonadal steroidogenesis in patients with a complete form of testicular feminization. Reyniak JV, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):479–81

Luteinizing hormone and testosterone secretion in young and old male mice. Coquelin A, et al. **Am J Physiol** 1982 Sep; 243(3):E257–63

Influence of antisera, purification procedures, and tracers on validity of a testosterone radioimmunoassay. de Gomez MS, et al. **Ann Clin Biochem** 1981 Sep;18(Pt 5):281–6

Alteration in the plasma testosterone: estradiol ratio: an alternative to the inhibin hypothesis. Sherins RJ, et al. **Ann NY Acad Sci** 1982;383:295–306

Effect of Panax ginseng on testosterone level and prostate in male rats. Fahim MS, et al. **Arch Androl** 1982 Jun; 8(4):261–3

Serum prolactin, FSH, LH and testosterone before and after vasectomy in normal men. Nikkanen V, et al. **Arch Androl** 1982 Jun;8(4):311–3

Influence of electroejaculation on peripheral blood concentrations of corticosteroids, progesterone, LH, and testosterone in bulls. Welsh TH Jr, et al. **Arch Androl** 1981 Nov;7(3):245–50

Differential effects of neuroleptic agents on the pituitary–gonadal axis in men. Brown WA, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1270–2

Lowering prolactin level in a hyperprolactinemic man: responses of luteinizing hormone, follicle-stimulating hormone, and testosterone. Davis JL. **Arch Intern Med** 1982 Jan;142(1):146–8

Inhibitory effect of estradiol-17 beta on human chorionic gonadotropin-induced increment of testicular blood flow and plasma testosterone concentration in rats. Damber JE, et al. **Biol Reprod** 1981 Oct;25(3):555–9

Prostaglandin F2alpha regulation of LH-stimulated testosterone production in rat testis. Fuchs AR, et al. **Biol Reprod** 1981 Oct;25(3):492–501

Temporal relationship between the development of the self-priming effect of LHRH and changes in serum concentrations of testosterone and androstenedione during the sexual maturation of the male rat. Nazian SJ. **Biol Reprod** 1981 Dec;25(5):977–82

Time courses of concentrations of circulating gonadotropin, prolactin, testosterone, and cortisol in adult male rhesus monkeys (Macaca mulatta) throughout the 24 h light–dark cycle. Plant TM. **Biol Reprod** 1981 Sep;25(2):244–52

Influence of estrogen-treated females on sexual behavior and male testosterone levels of a social group of rhesus monkeys during the nonbreeding season. Ruiz de Elvira MC, et al. **Biol Reprod** 1982 Jun;26(5):825–34

Transfer of steroids across the hamster blood testis and blood epididymal barriers. Turner TT, et al. **Biol Reprod** 1981 Sep;25(2):342–8

Does rifampicin increase serum levels of testosterone and oestradiol by inducing sex hormone binding globulin capacity? [letter] Brodie MJ, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):431–3

Circulating testosterone, sex hormone binding globulin and prolactin in women with late onset or persistent acne vulgaris. Darley CR, et al. **Br J Dermatol** 1982 May; 106(5):517–22

Reduction of free testosterone by antiepileptic drugs. Dana-Haeri J, et al. **Br Med J [Clin Res]** 1982 Jan 9; 284(6309):85–6

Hypogonadism in male patients with metastatic cancer prior to chemotherapy. Chlebowski RT, et al. **Cancer Res** 1982 Jun;42(6):2495–8

Serum sex hormones in patients with coronary disease and their relationship to known factors causing atherosclerosis. Labropoulos B, et al. **Cardiology** 1982;69(2):98–103

Effects of Lonidamine (AF 1890) and its analogues on follicle-stimulating hormone, luteinizing hormone, testosterone and rat androgen binding protein concentrations in the rat and rhesus monkey. Lobl TJ, et al. **Chemotherapy** 1981;27 Suppl 2:61–76

Free-testosterone determination by ultrafiltration, and comparison with dialysis [letter] Green PJ, et al. **Clin Chem** 1982 May;28(5):1237–8

Reduced blood testosterone and sex hormone binding globulin in hirsutism in women. [letter] Biffignandi P, et al. **Clin Endocrinol (Oxf)** 1982 May;16(5):499–500

Recovery of hypophyseal–testicular function from sex steroid treatment and the pituitary response to castration in male transsexuals. Goh HH, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):519–23

The effect of weight loss on sex steroid secretion and binding in massively obese women. Kopelman PG, et al. **Clin Endocrinol (Oxf)** 1981 Aug;15(2):113–6

Reduced sex hormone binding globulin and derived free testosterone levels in women with severe acne. Lawrence DM, et al. **Clin Endocrinol (Oxf)** 1981 Jul;15(1):87–91

Plasma androgenic activity in women with acne vulgaris and in healthy girls before, during and after puberty. Odlind V, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):243–9

Endocrine assessment of the subfertile male. Wu FC, et al. **Clin Endocrinol (Oxf)** 1981 May;14(5):493–507

Associations between sex hormones, thyroid hormones and lipoproteins. Heller RF, et al. **Clin Sci** 1981 Nov; 61(5):649–51

Gossypol: its toxicological and endocrinological effects in male rabbits. Sakesena SK, et al. **Contraception** 1981 Aug; 24(2):203–14

Plasma testosterone during bicycle ergometer exercise without and after L-dopa pretreatment. Ježová-Repčeková D, et al. **Endocrinol Exp (Bratisl)** 1982 Mar;16(1):3–8

The effect of insulin and luteinizing hormone treatment on serum concentrations of testosterone and dihydrotestosterone and testicular 3 beta-hydroxysteroid dehydrogenase activity in intact and hypophysectomized diabetic rats. Blanco FL, et al. **Endocrinology** 1981 Oct; 109(4):1248–53

Relationship between serum testosterone concentration and patterns of luteinizing hormone secretion in male sheep. D'Occhio MJ, et al. **Endocrinology** 1982 May; 110(5):1547–54

Plasma concentrations of testosterone and dihydrotestosterone during perinatal development in male and female ferrets. Erskine MS, et al. **Endocrinology** 1982 Sep;111(3):767–72

Sexual behavior and testosterone in middle-aged male rats. Gray GD, et al. **Endocrinology** 1981 Nov;109(5):1597–604

Serum testosterone and gonadotropins in the genetically obese male Zucker rat. Young RA, et al. **Endocrinology** 1982 Sep;111(3):977–81

Sertoli cell adenoma in Morris syndrome. Moneta E, et al. **Eur J Gynaec Oncol** 1981;2(2):48–50

Time course of hormonal response to sexual behavior in aging male rats. Frankel AI, et al. **Exp Gerontol** 1981;16(5):363–9

Serum profiles of LH, FSH, testosterone and 5 alpha-DHT from 21 to 1000 days of age in ad libitum fed and dietary restricted rats. Merry BJ, et al. **Exp Gerontol** 1981; 16(6):431–44

Effect of caudate nuclei and frontal cortical ablations in cats: testosterone and 17 beta -estradiol concentrations. Olmstead CE, et al. **Exp Neurol** 1982 Jan;75(1):149–57

The relationship between high and low trait psychological stress, serum testosterone, and serum cortisol. Francis KT. **Experientia** 1981 Dec 15;37(12):1296–7

Inhibition of serum androgen levels by chronic intranasal and subcutaneous administration of a potent luteinizing hormone-releasing hormone (LH-RH) agonist in adult men. Faure N, et al. **Fertil Steril** 1982 Mar;37(3):416–24

Testosterone free index correlates best with dehydroepiandrosterone sulfate. Haning RV Jr, et al. **Fertil Steril** 1981 Dec;36(6):757–65

Comparison of the kinetics of injectable testosterone in eugonadal and hypogonadal men. Sokol RZ, et al. **Fertil Steril** 1982 Mar;37(3):425–30

Annual variation in the plasma testosterone in Microcebus murinus. Petter-Rousseaux A, et al. **Folia Primatol (Basel)** 1981;36(3–4):183–90

Radioimmunoassay for plasma cortisol, testosterone, estradiol-17 beta, and estrone in the catfish Heteropneustes fossilis (Bloch): development and validation. Lamba VJ, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):170–81

Plasma testosterone binding protein capacity in relation to the annual testicular cycle in a hibernating mammal, the hedgehog (Erinaceus europaeus L.). Saboureau M, et al. **Gen Comp Endocrinol** 1982 May;47(1):59–63

Endocrine correlates of brood size in adult Pied Flycatchers, Ficedula hypoleuca. Silverin B. **Gen Comp Endocrinol** 1982 May;47(1):18–23

Plasma testosterone levels in patients with cluster headache. Klimek A. **Headache** 1982 Jul;22(4):162–4

Pituitary testicular axis function and sex hormone binding globulin binding capacity in thalassaemia major. De Luca F, et al. **Helv Paediatr Acta** 1981 Jul;36(3):229–36

Age-associated changes in plasma testosterone levels in male mice and their relation to social dominance or subordinance. Machida T, et al. **Horm Behav** 1981 Sep; 15(3):238–45

Evidence for hypogonadism in massively obese males due to decreased free testosterone. Kley HK, et al. **Horm Metab Res** 1981 Nov;13(11):639–41

Simultaneous plasma and saliva steroid measurements as an index of control in congenital adrenal hyperplasia (CAH). A longitudinal study. Hughes IA, et al. **Horm Res** 1982; 16(3):142–50

Testosterone response to exercise during blockade and stimulation of adrenergic receptors in man. Ježová D, et al. **Horm Res** 1981;15(3):141–7

Plasma progesterone, 17-hydroxyprogesterone, androstenedione and testosterone in prepubertal, pubertal and adult subjects with congenital virilizing adrenal hyperplasia as indicators of adrenal suppression. Lee PA, et al. **Horm Res** 1980;13(6):347–57

Perinatal activity of the hypothalamic-pituitary-gonadal axis in the lamb. III. LH, testosterone and prolactin secretory pattern in newborn lambs. Savoie S, et al. **Horm Res** 1981; 15(3):167–78

Age differences in serum androgen levels in normal adult males. Purifoy FE, et al. **Hum Biol** 1981 Dec;53(4):499–511

An association between serum testosterone level and HLA phenotype. Gerenčer M, et al. **Immunol Lett** 1982 Mar; 4(3):155–8

Serum Testosterone response to single injection of hCG ovine-LH and LHRH in male rats. Hodgson YM, et al. **Int J Androl** 1982 Feb;5(1):81–91

Testosterone levels in blood and fructose concentrations of normospermic and abnormal human semen. Singer R, et al. **Int J Fertil** 1981;26(4):297–8

Hypothalamic and pituitary dysfunction in obese males. Amatruda JM, et al. **Int J Obes** 1982;6(2):183–9

Serum FSH, LH, and testosterone in humans after physical exercise. Schmid P, et al. **Int J Sports Med** 1982 May; 3(2):84–9

Serum luteinizing hormone and testosterone in bulls during exposure to elevated ambient temperature. Minton JE, et al. **J Anim Sci** 1981 Dec;53(6):1551–8

Spermatic and peripheral plasma concentrations of testosterone and androstenedione in prepuberal boys. Forti G, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):883–6

Multiple androgenic abnormalities, including elevated free testosterone, in hyperprolactinemic women. Glickman SP, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):251–7

Familial prostatic cancer risk and low testosterone. Meikle AW, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1104–8

Influence of methyl-TRH-induced prolactin increase on serum testosterone levels in normal adult men. Rubin RT, et al. **J Clin Endocrinol Metab** 1978 May;46(5):830–3

Concentrations of testosterone in neonatal male rats suckled naturally and hand-fed. Anderson PJ, et al. **J Endocrinol** 1982 Mar;92(3):419–24

Serum concentrations of testosterone throughout pregnancy in rats. Bridges RS, et al. **J Endocrinol** 1982 Jul;94(1):21–7

Effects of dense housing on the growth of reproductive organs, plasma testosterone levels and fertility of male mice. Jean-Faucher C, et al. **J Endocrinol** 1981 Sep;90(3):397–402

The determination of the sex of an individual from a dried bloodstain using radioimmunoassay of testosterone, progesterone, and estradiol-17 beta. Brown BL. **J Forensic Sci** 1981 Oct;26(4):766–81

Temporal patterns of serum luteinizing hormone and testosterone and endocrine response to luteinizing hormone releasing hormone in aging male rats. Miller AE, et al. **J Gerontol** 1982 Sep;37(5):522–8

Relationship of serum testosterone to sexual activity in healthy elderly men. Tsitouras PD, et al. **J Gerontol** 1982 May;37(3):288–93

Effect of anabolic treatment on the serum levels of gonadotropins, testosterone, prolactin, thyroid hormones and myoglobin of male athletes under physical training. Clerico A, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep; 25(3):79–88

Endocrine response patterns and psychological correlates. Vaernes R, et al. **J Psychosom Res** 1982;26(2):123–31

Plasma LH and testosterone responses to synthetic gonadotrophin-releasing hormone (GnRH) or dexamethasone-GnRH combined treatment and their relationship to semen output in bulls. Abdel Malak G, et al. **J Reprod Fertil** 1982 Jan;64(1):107–13

The effect of some exogenous hormones on seminal characteristics, libido and peripheral plasma testosterone concentrations in the male beagle. Taha MB, et al. **J Small Anim Pract** 1981 Sep;22(9):587–95

Calculation of free and bound fractions of testosterone and estradiol-17 beta to human plasma proteins at body temperature. Södergård R, et al. **J Steroid Biochem** 1982 Jun;16(6):801–10

Morphological changes of Leydig cells in men with altered plasma testosterone and gonadotropin levels. Camatini M, et al. **J Submicrosc Cytol** 1981 Oct;13(4):703–16

Serum testosterone of boys with karyotype 47,XXY (Klinefelter's syndrome) at birth [letter] Sørensen K, et al. **Lancet** 1981 Nov 14;2(8255):1112–3

Lithium: short-term and chronic effects on plasma testosterone and luteinizing hormone concentrations in mice. Banerji TK, et al. **Life Sci** 1982 Mar 22;

30(12):1045–50

Effects of long-term testosterone administration on pituitary-testicular axis in end-stage renal failure. Barton CH, et al. **Nephron** 1982;31(1):61–4

Normalization of testosterone levels using a low estrogen-containing oral contraceptive in women with polycystic ovary syndrome. Raj SG, et al. **Obstet Gynecol** 1982 Jul;60(1):15–9

Relationship of free and bound testosterone to sexual behavior in old rhesus males. Chambers KC, et al. **Physiol Behav** 1981 Oct;27(4):615–20

Odour of male and female rats changes hypothalamic aromatase and 5 alpha-reductase activity and plasma sex steroid levels in unisexually reared male rats. Dessi-Fulgheri F, et al. **Physiol Behav** 1982 Feb;28(2):231–5

Ejaculation is important for mating-induced testosterone increases in male rhesus monkeys. Herndon JG, et al. **Physiol Behav** 1981 Nov;27(5):873–7

Infanticide: genetic, developmental and hormonal influences in mice. Svare B, et al. **Physiol Behav** 1981 Nov;27(5):921–7

Disturbances of sex hormones in anorexia nervosa in the male. McNab D, et al. **Postgrad Med J** 1981 Apr;57(666):254–6

Serum testosterone concentrations during the 4-day estrous cycle in normal and adrenalectomized rats. Rush ME, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):216–21

Effects of estrogen administration on serum testosterone in Copenhagen rats. Grossman HB, et al. **Prostate** 1982; 3(3):225–9

Cyproterone acetate, testosterone, LH, FSH, and prolactin levels in plasma after intramuscular application of cyproterone acetate in patients with prostatic cancer. Rost A, et al. **Prostate** 1981;2(3):315–22

Plasma prolactin and testosterone during the luteal phase in women with premenstrual tension syndrome. Bäckström T, et al. **Psychoneuroendocrinology** 1981;6(3):245–51

Relation between the seasonal changes in aggression, plasma testosterone and the photoperiod in male rhesus monkeys. Michael RP, et al. **Psychoneuroendocrinology** 1981; 6(2):145–58

Plasma testosterone and sleep: relationship to sleep stage variables. Roffwarg HP, et al. **Psychosom Med** 1982 Mar; 44(1):73–84

Investigations on the penetration of ranitidine into the cerebrospinal fluid and a comparison of the effects of ranitidine and cimetidine on male sex hormones. Walt RP, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:19–25

Effects of total and subcapsular orchidectomy on serum concentrations of testosterone and pituitary hormones in patients with carcinoma of the prostate. Bergman B, et al. **Urol Int** 1982;37(2):139–44

Blood test for equine cryptorchidism [letter] Cox JE. **Vet Rec** 1982 Feb 27;110(9):211

[FSH, LH, estradiol and testosterone studies of the blood serum in endometriosis externa] Gunev V, et al. **Akush Ginekol (Sofiia)** 1981;20(4):312–5 (Eng. Abstr.) **(Bul)**

[Long-term study of plasma testosterone levels in hormone therapy of prostatic cancer] Hájek J, et al. **Vnitr Lek** 1981 Sep;27(9):852–60 (Eng. Abstr.) **(Cze)**

[Gynecomastia and high serum testosterone in a 10 year old boy] Viinikka L, et al. **Duodecim** 1981;97(17):1417–9 **(Fin)**

[The determination of testosterone and dehydroepiandrosterone after dehydroepiandrosterone sulfate application in late pregnancy] Seiler E, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:28–31 **(Ger)**

[The value of FSH, LH, estradiol and testosterone after administration of Seda-Presomen in women after hysterectomy with bilateral adnexectomy] Stehlíková J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:139–45 **(Ger)**

[Comparison of 2 steroid parameters by means of the 3 phase test in hirsutism patients] Dässler CG, et al. **Endokrinologie** 1981 Dec;78(2-3):161–7 (Eng. Abstr.) **(Ger)**

[Reproductive and hormonal testicular function in rats under conditions of an internal continuous irradiation] Dedov VI, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):159–66 (Eng. Abstr.) **(Ger)**

[Radioimmunologic determination of testosterone in human serum] Friedrich W. **Z Med Lab Diagn** 1981;22(6):363–4 **(Ger)**

[Diagnostic and therapeutic use of dexamethasone suppression in some cases of hirsutism with elevated plasma testosterone (author's transl)] Zanno C, et al. **Ann Osp Maria Vittoria Torino** 1980 Jul-Dec; 23(7-12):428–34 (Eng. Abstr.) **(Ita)**

[Blood levels of prolactin, dehydroepiandrosterone sulfate, cortisol, testosterone and 17-beta-estradiol in chronic alcoholism] Chiodera P, et al. **G Clin Med** 1981 Jul; 62(7):437–42 (Eng. Abstr.) **(Ita)**

[Hyperprolactinemia and adrenal androgens] Tolino A, et al. **Riv Ital Ginecol** 1980;59(4–5):351–6 (Eng. Abstr.) **(Ita)**

[Statistical observations on new testosterone/dihydrotestosterone RIA kit (author's transl)] Nakamura G, et al. **Horumon To Rinsho** 1981 Aug; 29(8):971–5 **(Jpn)**

[Fundamental evaluation of 125I-testosterone radioimmunoassay kit 'Eiken' (author's transl)] Utsunomiya T, et al. **Horumon To Rinsho** 1981 Nov;29(11):1413–5 **(Jpn)**

[Determination of plasma testosterone--comparison between the mass fragmentography and the radioimmunoassay (author's transl)] Yamasaki H, et al. **Horumon To Rinsho** 1981 Aug;29(8):981–4 **(Jpn)**

[Effects of halothane anesthesia and abdominal surgery on plasma testosterone, estradiol and progesterone levels (author's transl)] Takazawa T, et al. **Masui** 1981 Nov; 30(11):1191–201 (Eng. Abstr.) **(Jpn)**

[Studies on testicular endocrinological function by estimation of plasma testosterone, estradiol and estradiol testosterone ratio. Studies on testicular function; report 9 (author's transl)] Enatsu C, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1450–69 (Eng. Abstr.) **(Jpn)**

[The clinical evaluation of the simultaneous measurement of plasma estradiol and testosterone: the imbalance of estradiol and testosterone] Morimoto I, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1421–6 **(Jpn)**

Effect of traditional herbal medicine on serum testosterone levels and its induction of regular ovulation in hyperandrogenic and oligomenorrheic women (author's transl)] Yaginuma T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):939–44 (Eng. Abstr.) **(jpn)**

[Simultaneous measurement of plasma testosterone, dihydrotestosterone and estradiol (author's transl)] Morimoto I, et al. **Rinsho Byori** 1981 Jun;29(6):636–9 **(Jpn)**

[Serum testosterone level in patients with advanced prostatic cancer during androgen suppressive treatment] Fossâ SD, et al. **Tidsskr Nor Laegeforen** 1981 Oct 10;101(28):1570–3 (Eng. Abstr.) **(Nor)**

[Accessory sex organ weight and testosterone concentration in the testicular venous blood depending on seasonal changes] Buntner B, et al. **Endokrynol Pol** 1981 May-Jun; 32(3):275–80 (Eng. Abstr.) **(Pol)**

[Blood testosterone concentration in adolescents with acne] Zabel J. **Przegl Dermatol** 1981 Mar-Apr;68(2):189–91 (Eng. Abstr.) **(Pol)**

[Comparative study of the spermogram and hormone levels in fertile and infertile males] Netto Júnior NR, et al. **AMB** 1981 Sep;27(9):264–6 (Eng. Abstr.) **(Por)**

[Evaluation of the interrelation of testosterone and its metabolites to traits in the biological development of the male] Sedova RG, et al. **Biol Nauki** 1981;(7):63–7 **(Rus)**

[Diurnal and seasonal rhythms of androgen content of the plasma in Macaca mulatta] Goncharov NP, et al. **Probl Endokrinol (Mosk)** 1981;27(6):53–7 (Eng. Abstr.) **(Rus)**

[Effect of the adrenocorticotropic hormone on peripheral blood levels of hydrocortisone, testosterone and their precursors in baboons] Katsiia GV, et al. **Probl Endokrinol (Mosk)** 1981 Jul-Aug;27(4):48–52 (Eng. Abstr.) **(Rus)**

[Effect of different storage times of blood sera on their hormonal activity] Shurygin DIa, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):32–5 (Eng. Abstr.) **(Rus)**

[Changes in the blood level of certain hormones of immature rats after thermal burn] Kamilov FKh, et al. **Vopr Med Khim** 1982 Jan-Feb;28(1):56–9 (Eng. Abstr.) **(Rus)**

[Testosterone level in the blood of patients with prostatitis and impaired sexual function] Borisenko IuA, et al. **Vrach Delo** 1981 Nov;(11):55–7 (Eng. Abstr.) **(Rus)**

[Concentration of plasma testosterone in adult roosters of a low-weight strain] Košutzký J, et al. **Vet Med (Praha)** 1982 Apr;27(4):209–16 (Eng. Abstr.) **(Slo)**

[Plasma testosterone and sex hormone transport globulin in patients with prostatic carcinoma under treatment] Daponte DP, et al. **Actas Urol Esp** 1982 Jan-Feb;6(1):17–20 (Eng. Abstr.) **(Spa)**

[Plasma prolactin and testosterone levels in male infertility (author's transl)] García Díez LC, et al. **Med Clin (Barc)** 1982 Feb 10;78(3):88–95 (Eng. Abstr.) **(Spa)**

[Noonan's syndrome: endocrinological study (author's transl)] Manzana Rivera M, et al. **Med Clin (Barc)** 1982 Apr 1;78(7):289–92 **(Spa)**

IMMUNOLOGY

Responses of ram lambs to active immunization against testosterone and luteinizing hormone-releasing hormone. Schanbacher BD. **Am J Physiol** 1982 Mar;242(3):E201–5

METABOLISM

Changes in the matabolism of steroid hormones by the rat liver cytochrome P-450 system after induction with trans-stilbene oxide. Meijer J, et al. **Acta Chem Scand [B]** 1981;35(2):151–3

Control of testicular steroidogenesis in foetal rat: effect of decapitation on testosterone and plasma luteinizing hormone-like activity. Habert R, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):466–73

Testosterone metabolism in vitro by male sexual accessory glands from normal and autoimmunized rabbits. Genti-Raimondi S et al. **Acta Physiol Lat Am** 1979; 29(2-3):107–16

Abnormal estrogen and androgen metabolism in the human with systemic lupus erythematosus. Lahita RG, et al. **Am J Kidney Dis** 1982 Jul;2(1 Suppl 1):206–11

Metabolism of testosterone by human granulosa cells in culture: influence of follicle-stimulating hormone and luteinizing hormone. Moon YS, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):692–7

Metabolism of testosterone in vitro by hypothalamus and other areas of rat brain. Snipes CA, et al. **Andrologia** 1982 Jan-Feb;14(1):81–5

Effect of antigonadotropic sera on in vitro testicular metabolism of 3H-testosterone in immature rats. Seilicovich A, et al. **Arch Androl** 1981 Dec;7(4):323–7

Onset of a feedback inhibition by testosterone in male rat fetuses. Naessany S, et al. **Biol Neonate** 1982;41(5–6):234–9

Relationship between follicular size and antral fluid steroid concentrations at three stages of the estrous cycle in the ewe. England BG, et al. **Biol Reprod** 1981 Jun; 24(5):1068–75

Testosterone metabolism by proximal and distal regions of the vas deferens from immature and mature rats. Seethalakshmi L, et al. **Biol Reprod** 1982 May;26(4):584–90

Is testosterone metabolized to estrogen in the forebrain of the Rockland-Swiss mouse? Sheridan PJ, et al. **Brain Res** 1982 May 13;239(2):664–7

Metabolism of testosterone by GR mouse mammary tumors. Abul-Hajj YJ, et al. **Cancer Res** 1982 Sep;42(9):3510–3

Danazol and its principal metabolites interfere with binding of testosterone, cortisol, and thyroxin by plasma proteins. Haning RV Jr, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):696–8

Salivary testosterone: relationship to unbound plasma testosterone in normal and hyperandrogenic women. Baxendale PM, et al. **Clin Endocrinol (Oxf)** 1982 Jun; 16(6):595–603

Testicular testosterone levels during puberty in cryptorchidism. Pasqualini T, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):545–54

The effect of temperature on steroid biosynthesis by testes of the dogfish, Scyliorhinus caniculus. Kime DE, et al. **Comp Biochem Physiol [B]** 1982;71(4):675–9

Effect of LH and FSH on testosterone release from cultured Leydig cells. Bilińska B, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):251–7

Induction of testicular gonadotropin-releasing hormone (GnRH) receptors by GnRH: effects of pituitary hormones and relationship to inhibition of testosterone production. Bourne GA, et al. **Endocrinology** 1982 Mar;110(3):727–33

Decreased in vitro testosterone production by isolated Leydig cells from uremic rats. Briefel GR, et al. **Endocrinology** 1982 Mar;110(3):976–81

The biological actions and metabolism of 6 alpha-methylprogesterone: a progestin that mimics and modifies the effects of testosterone. Brown TR, et al. **Endocrinology** 1981 Dec;109(6):1814–20

The nuclear uptake of 6 alpha-[3H]methylprogesterone and its 20 alpha-hydroxy metabolite: the requirement for multiple receptors. Brown TR, et al. **Endocrinology** 1981 Dec;109(6):1821–9

Effects of chronic intermittent immobilization stress on rat testicular androgenic function. Charpenet G, et al. **Endocrinology** 1981 Oct;109(4):1254–8

Influence of prolactin-producing pituitary grafts on the in vivo uptake, distribution, and disappearance of [3H]testosterone and [3H]dihydrotestosterone by the rat prostate lobes. Prins GS, et al. **Endocrinology** 1982 Mar; 110(3):920–5

Differences in brain uptake and metabolism of testosterone in gonadectomized, adrenalectomized male and female rhesus monkeys. Sholl SA, et al. **Endocrinology** 1982 Sep; 111(3):806–13

Steroid metabolism and oestrogen receptors in human breast carcinomas. Miller WR, et al. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):913–7

Prolactin and growth hormone do not interfere with the response of mouse testes to hCG in vitro. Bartke A, et al. **Experientia** 1982 May 15;38(5):632–3

Danazol and gestagen displacement of testosterone and influence on sex-hormone-binding globulin capacity. Nilsson B, et al. **Fertil Steril** 1982 Jul;38(1):48–53

Testosterone metabolism by the rat gastrointestinal tract, in vitro and in vivo. Farthing MJ, et al. **Gut** 1982 Mar; 23(3):226–34

Development of negative feedback control of the hypothalamo-pituitary-gonadal axis in the male rat fetus. Bidlingmaier F, et al. **Horm Res** 1982;16(3):182–7

Effect of unilateral castration and unilateral cryptorchidism on gonadotropin and testosterone response to gonadotropin releasing hormone in the bull. Barnes MA, et al. **J Anim Sci** 1981 Nov;53(5):1341–50

Serum testosterone response in Holstein bulls after administration of luteinizing hormone. Cox NM, et al. **J Anim Sci** 1981 Feb;52(2):340–5

Sexual differentiation of hepatic metabolism of corticosterone and testosterone in the rat. Rahman R, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1567–75

Isolation and characterization of rat liver microsomal UDP-glucuronosyltransferase activity toward chenodeoxycholic acid and testosterone as a single form of enzyme. Matern H, et al. **J Biol Chem** 1982 Jul 10; 257(13):7422–9

Reduction of testosterone to 5 alpha-dihydrotestosterone by human and rat uterine tissues. Rose LI, et al. **J Clin Endocrinol Metab** 1978 May;46(5):766–9

Effects of human cirrhotic serum on estradiol and testosterone transport into rat brain. Sakiyama R, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1140–4

Chronic pulsatile low dose GnRH therapy for induction of testosterone production and spermatogenesis in a man with secondary hypogonadotropic hypogonadism. Skarin G, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):723–6

Brain cells of the male rhesus monkey accumulate 3H–testosterone or its metabolites. Rees HD, et al. **J Comp Neurol** 1982 Apr 10;206(3):273–7

Fetal testosterone in mice: effect of gestational age and cannabinoid exposure. Dalterio S, et al. **J Endocrinol** 1981 Dec;91(3):509–14

Age–related changes in the metabolism of [3H] testosterone in vitro by the epididymis of the immature rat. Foldesy RG, et al. **J Endocrinol** 1981 Oct;91(1):43–51

Effects of short–term bilateral and unilateral castration and androgen replacement on the metabolism of [3H] testosterone in vitro by the epididymis of the immature rat. Foldesy RG, et al. **J Endocrinol** 1981 Oct;91(1):53–60

Androgen metabolism in the epithelial and stromal components of the human hyperplastic prostate. Habib FK, et al. **J Endocrinol** 1981 Oct;91(1):23–32

Human skin androgen metabolism and preliminary evidence for its control by two forms of 17 beta–hydroxysteroid oxidoreductase. Hodgins MB, et al. **J Endocrinol** 1982 Jun; 93(3):403–13

In–vivo uptake and metabolism of testosterone by the skin and other tissues of the rat. Randall VA, et al. **J Endocrinol** 1982 May;93(2):253–66

Gonadotrophin, testosterone and prolactin interrelationships in cadmium–treated rats. Zylber–Haran EA, et al. **J Endocrinol** 1982 Jan;92(1):123–30

Changes in DNA, cyclic nucleotides and steroids during induced follicular atresia in the hamster. Hubbard CJ, et al. **J Reprod Fertil** 1981 Nov;63(2):455–61

A subovarian exchange mechanism for the countercurrent transfer of ovarian steroid hormones in the pig. Krzymowski T, et al. **J Reprod Fertil** 1982 Jul;65(2):457–65

Steroid transfer from the ovarian vein to the ovarian artery in the sow. Krzymowski T, et al. **J Reprod Fertil** 1982 Jul;65(2):451–6

Testosterone–dependent oxygen consumption in membrane vesicles of Pseudomonas testosteroni. Culos D, et al. **J Steroid Biochem** 1982 Jul;17(1):67–9

17 beta–Oxidation of estradiol and testosterone in the human testis. Leinonen P. **J Steroid Biochem** 1982 Feb; 16(2):277–81

Failure of human benign prostatic hyperplasia to aromatise testosterone. Smith T, et al. **J Steroid Biochem** 1982 Jul; 17(1):119–20

Binding of testosterone, 5 alpha–dihydrotestosterone and 5 alpha–androstane (3 alpha– and 3 beta–), 17 beta–diols to serum proteins in the rat. Tenniswood M, et al. **J Steroid Biochem** 1982 May;16(5):617–20

Effect of sodium molybdate on the binding of androgen–receptor complexes to germ cell and Sertoli cell chromatin. Tsai YH, et al. **J Steroid Biochem** 1982 Aug; 17(2):131–6

Testosterone and dihydrotestosterone in sexual ducts and genital tubercle of rabbit fetuses during sexual organogenesis: effects of fetal decapitation. Veyssiere G, et al. **J Steroid Biochem** 1982 Aug;17(2):149–54

The effects of ketamine HCl and barbiturate anaesthesia on the metabolic clearance and production rates of testosterone in the male rhesus monkey, Macaca mulatta. Zaidi P, et al. **J Steroid Biochem** 1982 Mar;16(3):463–6

Testosterone metabolism of fibroblasts grown from prostatic carcinoma, benign prostatic hyperplasia and skin fibroblasts. Schweikert HU, et al. **J Urol** 1982 Feb; 127(2):361–7

Induction of androgen receptor formation by epithelium–mesenchyme interaction in embryonic mouse mammary gland. Heuberger B, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2957–61

Testosterone regulates prostaglandin production by the rat vas deferens. Borda E, et al. **Prostaglandins Med** 1981 Sep; 7(3):245–51

Dynamics of testosterone, dihydrotestosterone and estradiol–17 beta uptake and metabolism in the brain of the male guinea pig. Sholl SA, et al. **Psychoneuroendocrinology** 1981;6(2):105–11

Evidence for the role of androgens in the feedback control of gonadotrophin secretion in the human female. Gray P, et al. **S Afr Med J** 1982 May 29;61(22):837–8

Testosterone uptake in the brainstem of a sound–producing fish. Fine ML, et al. **Science** 1982 Mar 5;215(4537):1265–7

Prenatal exposure to phenobarbital permanently decreases testosterone and causes reproductive dysfunction. Gupta C, et al. **Science** 1982 May 7;216(4546):640–2

The specific binding of androgens and the subsequent distribution of androgen–receptor complexes within MCF–7 human breast cancer cells. MacIndoe JH, et al. **Steroids** 1981 Oct;38(4):439–52

Aromatization of testosterone in large and small bovine luteal cells. Conflicting results between radioimmunoassay and cocrystallization data. Ursely J, et al. **Steroids** 1981 Sep; 38(3):271–9

Effects of polybrominated biphenyls on metabolism of testosterone by rat hepatic microsomes. Newton JF, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):142–9

Studies related to the metabolism of anabolic steroids in the horse: the identification of some 16–oxygenated metabolites of testosterone and a study of the phase II metabolism. Dumasia MC, et al. **Xenobiotica** 1981 May;11(5):323–31

[Histological and endocrinological studies on prostatic carcinoma (author's transl)] Fujii H. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1413–28 (Eng. Abstr.) (Jpn)

[Studies on testosterone–binding proteins of skin supernatant of healthy women and those with acne] Zabel J. **Przegl Dermatol** 1981 May–Jun;68(3):329–34 (Eng. Abstr.) (Pol)

[Reaction between steroid hormones, the liver and its plasma membrane] Denisov IuP, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):722–5 (Eng. Abstr.) (Rus)

[Uptake of Testosterone–1 alpha, 2 alpha–3H(n) by target organ tissues of guinea pig embryos in vitro] Ivanova EA. **Ontogenez** 1982 Mar–Apr;13(2):169–75 (Eng. Abstr.) (Rus)

PHARMACODYNAMICS

Decarboxylation of ornithine and lysine by ornithine decarboxylase from kidneys of testosterone treated mice. Persson L. **Acta Chem Scand [B]** 1981;35(6):451–9

Testosterone inhibition of LRH–induced luteinizing hormone release by cultures of rat anterior pituitary cells: effect of inhibitors of steroid 5 alpha reductase. Leveque NW, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):196–205

FSH and testosterone effects in seminiferous tubules of immature hypophysectomized rats. Collins JA, et al. **Am J Physiol** 1981 Sep;241(3):E233–7

Effect of sex steroids on pituitary and serum prolactin level in ovariectomized catfish, Clarias batrachus. Singh SP, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):57–62

The effect of testosterone administration on lead induced zincprotoporphyrin in blood concentration in castrated male rabbits. Wibowo AA, et al. **Arch Toxicol** 1981 NOV; 49(1):65–71

Testosterone administration in chicks affects responding in the presence of task irrelevant stimulus changes. Oades RD, et al. **Behav Neural Biol** 1981 Sep;33(1):93–100

Testosterone–dependent sexual dimorphism of the mouse kidney is mediated by polyamines. Goldstone A, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):165–72

Effect of 17 beta–estradiol and testosterone on guanosine 3', 5'–cyclic monophosphate in the rat adrenal cortex. Guillemant J, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1727–34

Testosterone induces a rapid stimulation of endocytosis, amino acid and hexose transport in mouse kidney cortex. Koenig H, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):346–53

Mono– and poly–ADP–ribosylation of proteins in mouse kidney after castration and testosterone treatment. Gartemann A, et al. **Biochem J** 1981 Jul 15;198(1):37–44

Characterization of hormonally regulated secretory proteins from the caput epididymidis of the rabbit. Jones R, et al. **Biochem J** 1981 Apr 15;196(1):105–14

Role of propylamine transferases in hormone–induced stimulation of polyamine biosynthesis. Käpyaho K, et al. **Biochem J** 1980 Oct 15;192(1):59–63

Androgens regulate mitochondrial cytochrome c oxidase and lysosomal hydrolases in mouse skeletal muscle. Koenig H, et al. **Biochem J** 1980 Oct 15;192(1):349–53

Glucocorticoids and aspirin inhibit and cyproterone acetate enhances the androgenic response in mouse kidney. Goldstone AD, et al. **Biochim Biophys Acta** 1981 Sep 18; 677(1):133–9

Increased beta–adrenergic receptor complement in androgen–induced mouse kidney hypertrophy. Petrovic SL, et al. **Biochim Biophys Acta** 1981 Sep 4;676(3):329–37

Role of sex steroid hormones in the normal and glucocorticosteroid hormone–induced evolution of carbamoylphosphate synthase (ammonia) and arginase activity in rat liver ontogenesis. Lamers WH, et al. **Biol Neonate** 1981;40(1–2):78–90

Effects of androgen treatment of the neonate on rat testis and sex accessory organs. Barañao JL, et al. **Biol Reprod** 1981 Nov;25(4):851–8

Influence of testosterone, estradiol–17 beta and dihydrotestosterone on circulating LH and FSH in castrate male guinea pigs. Buhl AE, et al. **Biol Reprod** 1982 Apr; 26(3):404–12

Temporal effects of testosterone–estradiol polydimethylsiloxane subdermal implants on pituitary, Leydig cell, and germinal epithelium function and daily serum testosterone rhythm in male rats. Dykman DD, et al. **Biol Reprod** 1981 Sep;25(2):235–43

Hypothalamo–hypophyseal sensitivity to hormones in the hen. II. Plasma concentrations of LH, progesterone, and testosterone in response to peripheral and central injections of LHRH or testosterone. Johnson AL, et al. **Biol Reprod** 1981 Aug;25(1):153–61

Cryptorchidism: residual effects on steroid–regulated gonadotropin release in recently castrated rhesus monkeys. Resko JA, et al. **Biol Reprod** 1981 Jun;24(5):1056–60

Effects of testosterone, dihydrotestosterone, and estradiol on the impaired prolactin response to metoclopramide in the castrated rat. Zylber–Haran EA, et al. **Biol Reprod** 1981 Aug;25(1):6–14

Short–term culture of human breast cancer: in vitro effects of hormones related to patient response. Poulsen HS, et al. **Br J Cancer** 1982 Jul;46(1):67–74

Age associated changes in sodium, potassium and moisture contents of turkey skeletal muscles and a note on the effects of testosterone and 17–beta–oestradiol. Ranaweera KN, et al. **Br Poult Sci** 1982 May;23(3):195–8

Differential effects of gonadal steroids on dopamine metabolism in mesolimbic and nigro–striatal pathways of male rat brain. Alderson LM, et al. **Brain Res** 1981 Aug 10;218(1–2):189–206

Sexually dimorphic motor nucleus in the rat lumbar spinal cord: response to adult hormone manipulation, absence in androgen–insensitive rats. Breedlove SM, et al. **Brain Res** 1981 Nov 30;225(2):297–307

Masculinization of the female rat spinal cord following a single neonatal injection of testosterone propionate but not estradiol benzoate. Breedlove SM, et al. **Brain Res** 1982 Apr 8;237(1):173–81

Effect of gonadal hormones on the incorporation of [3H]lysine into proteins of human fetal brain. Hall CJ, et al. **Brain Res** 1981 Nov;254(4):557–62

Androgen increases protein synthesis within the avian brain vocal control system. Konishi M, et al. **Brain Res** 1981 Oct 19;222(2):442–6

Uterine estrogen receptor assayed by the controlled pore glass (CPG) method in adult rat after steroid administration. Imamura Y, et al. **Bull Tokyo Med Dent Univ** 1981 Sep;28(3):87–90

Promotive effects of steroids and bile acids on hepatocarcinogenesis initiated by diethylnitrosamine. Cameron RG, et al. **Cancer Res** 1982 Jun;42(6):2426–8

Unusual androgen sensitivity of the androgen–independent Dunning R–3327–G rat prostatic adenocarcinoma: androgen effect on tumor cell loss. Humphries JE, et al. **Cancer Res** 1982 Aug;42(8):3148–56

The effects of sex hormones, prolactin, and chorionic gonadotropin on pineal electrical activity in guinea pigs. Semm P, et al. **Cell Mol Neurobiol** 1981 Sep;1(3):259–69

Stimulation of growth by testosterone via the mesenchyme. Recombination of tissues from Tfm and wild–type preputial gland anlagen of mouse embryo. Hannappel E, et al. **Cell Tissue Res** 1981;221(2):321–32

Testosterone–mediated sexual dimorphism of the rodent heart. Ventricular lysosomes, mitochondria, and cell growth are modulated by androgens. Koenig H, et al. **Circ Res** 1982 Jun;50(6):782–7

Effects of testosterone, oestradiol and progesterone on immune regulation. Holdstock G, et al. **Clin Exp Immunol** 1982 Feb;47(2):449–56

Effects of steroids on the in vitro forward migration of human spermatozoa. Cheng CY, et al. **Contraception** 1981 Aug; 24(2):183–94

Ultrastructural changes induced by steroids and gonadotropins in cultured rat Sertoli cells. Libbus BL, et al. **Cytobios** 1981;30(119):173–87

The influence of embryonic testosterone treatment on bursal epithelial pinocytotic activity. Beezhold DH, et al. **Dev Comp Immunol** 1982 Winter;6(1):121–30

Persistence of attention to a novel conspecific: some developmental variables in laboratory rats. Thor DH, et al. **Dev Psychobiol** 1982 Jan;15(1):1–8

The low dose streptozotocin murine model of type 1 (insulin–dependent) diabetes mellitus: studies in vivo and in vitro of the modulating effect of sex hormones. Kromann H, et al. **Diabetologia** 1982 Mar;22(3):194–8

Effect of some hormones on the lactate dehydrogenase (LDH) isoenzyme patterns of Holtzman rat mammary glands. Dutta S, et al. **Endocrinol Exp (Bratisl)** 1982; 16(2):135–9

Effect of gonadectomy and steroid treatment on the receptor–binding activity and immunoreactivity of serum and pituitary FSH in the adult rats of both sexes. Minegishi T, et al. **Endocrinol Jpn** 1981 Jun;28(3):347–56

Effects of testosterone, dihydrotestosterone, or estradiol administered neonatally on sexual behavior of female ferrets. Baum MJ, et al. **Endocrinology** 1982 Sep; 111(3):773–80

Attenuation by a 5 alpha–reductase inhibitor of the activational effect of testosterone propionate on penile erections in castrated male rats. Bradshaw WG, et al. **Endocrinology** 1981 Oct;109(4):1047–51

Pituitary receptor sites for gonadotropin–releasing hormone: effect of castration and substitutive therapy with sex steroids in the male rat. Conne BS, et al. **Endocrinology** 1982 Jan;110(1):70–9

The effects of gonadectomy and testosterone treatment on luteinizing hormone secretion in fetal rhesus monkeys. Ellinwood WE, et al. **Endocrinology** 1982 Jan;110(1):183–9

Pituitary–testicular function in protein–deficient rats. Follicle–stimulating hormone hyperresponse to castration and supersensitivity of gonadotropin secretion to androgen negative feedback. Glass AR, et al. **Endocrinology** 1982 May;110(5):1542–6

Discriminative effects of testosterone on hypothalamic luteinizing hormone–releasing hormone levels and luteinizing hormone secretion in castrated male rats: analyses of dose and duration characteristics. Kalra PS, et al. **Endocrinology** 1982 Jul;111(1):24–9

Testosterone increases cell nuclear estrogen receptor levels in the brain of the Stanley–Gumbreck pseudohermaphrodite male rat: implications for testosterone modulation of neuroendocrine activity. Krey LC, et al. **Endocrinology** 1982 Jun;110(6):2168–76

Different intracellular mechanisms underlie testosterone's

suppression of basal and stimulation of cyclic luteinizing hormone release in male and female rats. Krey LC, et al. **Endocrinology** 1982 Jun;110(6):2159–67

On the primary site of action of estrogens and androgens in the regulation of hepatic prolactin receptors. Norstedt G, et al. **Endocrinology** 1982 Aug;111(2):645–9

Proliferative response of mouse seminal vesicle epithelium to androgen and estrogen, assayed by incorporation of [125I]iododeoxyuridine. Okamoto S, et al. **Endocrinology** 1982 May;110(5):1796–803

Effects of orchidectomy and testosterone replacement treatment on pulsatile luteinizing hormone secretion in the adult rhesus monkey (Macaca mulatta). Plant TM. **Endocrinology** 1982 Jun;110(6):1905–13

HYpophysectomy and simultaneous testosterone replacement: effects on male rat reproductive tract and epididymal delta 4–5 alpha-reductase and 3 alpha-hydroxysteroid dehydrogenase. Robaire B, et al. **Endocrinology** 1981 Oct;109(4):1225–33

Aging in the AXC rat: differential effects of chronic testosterone treatment on restoration of diminished prostate L-ornithine decarboxylase and S-adenosyl-L-methionine decarboxylase activities. Shain SA, et al. **Endocrinology** 1981 Oct;109(4):1184–91

Suppression of serum gonadotropin levels by testosterone and porcine follicular fluid in castrate male rats. Summerville JW, et al. **Endocrinology** 1981 Nov;109(5):1442–7

Biosynthesis of proteoglycans by rat granuloma cells cultured in vitro: modulation by gonadotropins, steroid hormones, prostaglandins, and a cyclic nucleotide. Yanagishita M, et al. **En:'ocrinology** 1981 Nov;109(5):1641–9

Initiation of copulatory behaviour in castrated male rats implanted with very small testosterone-filled silastic capsules. Hliňák Z, et al. **Endokrinologie** 1982 Feb; 79(1):35–43

Effects of testosterone and estradiol on a sex-specific rat serum protein in intact and castrated female and male rats. Schade R, et al. **Endokrinologie** 1981 Dec;78(2–3):139–48

The response of the sebaceous glands of female rats ovariectomized at birth to testosterone. Toh YC. **Endokrinologie** 1982 Feb;79(1):13–8

Effects of testosterone on renal ornithine decarboxylase and kidney function. Pass KA, et al. **Enzyme** 1982;27(2):108–13

Effect of testosterone and the oestrous cycle on neuronal refractory periods and firing rates of stria terminalis neurones in the female rat. Kendrick KM. **Exp Brain Res** 1981;44(3):331–6

Effect of testosterone on the regeneration of the hypoglossal nerve in rats. Yu WH. **Exp Neurol** 1982 Jul;77(1):129–41

Neonatal masculinization affects maternal behavior sensitivity in female rats. Guerra F, et al. **Experientia** 1982 Jul 15; 38(7):868–9

Effects of CA on the epididymis of intact, castrated and TP-treated langurs (Presbytis entellus entellus Dufresne). Gupta CL, et al. **Experientia** 1981;37(9):1033–4

Ontogenic development of the renal ornithine decarboxylase response to testosterone. Pass KA, et al. **Experientia** 1981 Oct 15;37(10):1119

The age-dependent difference in the response of the vagina to the neonatal administration of testosterone propionate in Long-Evans female rats. Yoshida H, et al. **Experientia** 1981 Nov 15;37(11):1210–1

Testosterone-induced, sulfonamide-resistant carbonic anhydrase isozyme of rat liver is indistinguishable from skeletal muscle carbonic anhydrase III. Carter ND, et al. **FEBS Lett** 1981 Jun 1;128(1):114–8

Testosterone and gossypol effects on human sperm motility. Ridley AJ, et al. **Fertil Steril** 1981 Nov;36(5):638–42

Effects of sex steroids on the development of 7,12-dimethylbenz[a]anthracene-induced mammary dysplasia in neonatally androgenized female rats. Yoshida H, et al. **Gan** 1981 Apr;72(2):315–7

Testosterone inhibition of FSH action on testicular 32P uptake in white leghorn cockerels. Breneman WR, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):225–35

The alteration of chromatophore expression by sex hormones in the Kenyan reed frog, Hyperolius viridiflavus. Richards CM. **Gen Comp Endocrinol** 1982 Jan;46(1):59–67

Duration of androgen treatment modifies behavioral response to arginine vasotocin in Taricha granulosa. Zoeller RT, et al. **Horm Behav** 1982 Mar;16(1):23–30

Effect of testosterone on the hypothalamic-pituitary-testicular axis of the old male rat. Larrea GA, et al. **Horm Metab Res** 1981 Jul;13(7):396–9

Differential effects of testosterone and its metabolites on gonadotrophin secretion in the intact adult male rat. Reymond M, et al. **Horm Res** 1981;14(2):114–29

Sex hormones enhance immunoglobulin synthesis by human peripheral blood lymphocytes. Weetman AP, et al. **Immunol Lett** 1981 Dec;3(6):343–6

Androgen sensitivity and autoimmune disease. I. Influence of sex and testosterone on the humoral immune response of autoimmune and non-autoimmune mouse strains to sheep erythrocytes. Morton JI, et al. **Immunology** 1981 Dec; 44(4):661–9

Effects of steroids on the secretion of immunoregulatory factors by thymic epithelial cell cultures. Stimson WH, et al. **Immunology** 1981 Oct;44(2):401–7

Role of trace metals in skin pigmentation under drug and hormones; part II: copper. Mondal M, et al. **Indian J Dermatol** 1981 Oct;25(4):23–7

Influence of castration, testosterone propionate, androstenedione & estradiol-17 beta on LDH & its isoenzymes of vas deferens. Balasubramanian K, et al. **Indian J Exp Biol** 1981 May;19(5):419–21

Effect of exogenous testosterone, estradiol & progesterone on oxidative & glycolytic metabolism of buffalo spermatozoa. Bhela SL, et al. **Indian J Exp Biol** 1981 Oct; 19(10):915–7

Role of testosterone propionate on spermatogenesis following chronic nicotine administration in immature rats. Biswas NM, et al. **Indian J Exp Biol** 1981 Jul;19(7):604–6

Changes in tyrosine levels of black & white skins of guinea pigs treated with psoralen & hormones. Mondal M, et al. **Indian J Exp Biol** 1981 Feb;19(2):189–90

Synergistic action of testosterone propionate & oestradiol benzoate on male genitalia in the Indian gerbil Tatera indica indica. Sasidharan TO, et al. **Indian J Exp Biol** 1981 Oct; 19(10):973–4

Effect of testosterone on inhibin metabolism in male rats. Vanage GR, et al. **Indian J Exp Biol** 1981 Jul;19(7):601–3

A correlative study of the restorative effects of endogenous and exogenous hormones on the leydig cells, the testis and the epididymis of the regressed hedgehog. Effects of hormones on hedgehog Leydig cells. Bidwai PP, et al. **Int J Androl** 1981 Oct;4(5):590–605

Effects of a chronic treatment with testosterone on the morphology of the interstitial cells of the rat testis: an ultrastructural stereologic study. Mazzocchi G, et al. **Int J Androl** 1982 Apr;5(2):130–6

Effect of hormonal steroids on lactate dehydrogenase activity and its isozymes in the coagulating gland of castrated male rats. Pereira BM, et al. **Int J Androl** 1981 Oct;4(5):582–9

Effects of climate on the thermoregulatory responses of male buffalo (Bubalus-bubalis) Calves supplemented with different levels of testosterone and TDN. Gangwar PC. **Int J Biometeorol** 1982 Mar;26(1):73–9

Effect of intravaginal devices and and Synovex-H implants on feedlot performance, cyclic activity and reproductive tract characteristics of beef heifers. Goodman JP, et al. **J Anim Sci** 1982 Mar;54(3):491–5

Restoration of reproductive capacity of stallions after suppression with exogenous testosterone. Squires EL, et al. **J Anim Sci** 1981 Nov;53(5):1351–9

Effects of testosterone propionate on hindlimb-immobilized rats. Evans WJ, et al. **J Appl Physiol** 1982 Jun; 52(6):1643–47

Biochemical modulation of the submandibular salivary gland of castrated male mice treated with anabolic steroids. Doine AI, et al. **J Biol Buccale** 1981 Dec;9(4):401–7

Testosterone effects on the induction and urinary excretion of mouse kidney glycosphingolipids associated with lysosomes. McCluer RH, et al. **J Biol Chem** 1981 Dec 25; 256(24):13112–20

Androgenic regulation of ornithine decarboxylase activity in mouse kidney and its relationship to changes in cytosol and nuclear androgen receptor concentrations. Pajunen AE, et al. **J Biol Chem** 1982 Jul 25;257(14):8190–8

Effect of androgens on turnover of ornithine decarboxylase in mouse kidney. Studies using labeling of the enzyme by reaction with [14C] alpha-difluoromethylornithine. Seely JE, et al. **J Biol Chem** 1982 Jul 10;257(13):7549–53

Hormonal responsiveness of a preadipose cell line derived from newborn mouse calvaria. Kodama HA, et al. **J Cell Physiol** 1982 Jul;112(1):83–8

Effects of steroids and different culture media on cell cycle of the androgen-sensitive human cell line NHIK3025. Ostgaard K, et al. **J Cell Sci** 1981 Apr;48:281–90

Induction of female and male mating patterns in female rats by gonadal steroids: effects of neonatal or adult olfactory bulbectomy. Lumia AR, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):497–509

Maternal behavior of rats is affected by hormonal condition of pups. Moore CL. **J Comp Physiol Psychol** 1982 Feb; 96(1):123–9

Effects of androgens on dietary self-selection and carcass composition in male rats. Siegel LI, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):529–39

Interaction between prolactin and androgens in the accessory sex organs of male mice. Keenan EJ, et al. **J Endocrinol** 1981 Sep;90(3):323–30

Impaired prepubertal uterine responsivity after neonatal exposure to steroid hormone esters. Campbell PS. **J Exp Zool** 1980 Dec;214(3):345–53

Testosterone and synthetic and androgens improve the in vitro survival of human marrow progenitor cells in serum-free suspension cultures. Beran M, et al. **J Lab Clin Med** 1982 Feb;99(2):247–53

Testosterone decreases beta-adrenoceptor sites in rat pineal gland and brain. Vacas MI, et al. **J Neural Transm** 1982; 53(1):49–57

Testosterone increases acetylcholine receptor number in the 'levator ani' muscle of the rat. Bleisch WV, et al. **J Neurobiol** 1982 Mar;13(2):153–61

Hormonal control of cell form and number in the zebra finch song system. Gurney ME. **J Neurosci** 1981 Jun;1(6):658–73

The influence of gonadectomy, androgen exposure, or a gonadal graft in the neonatal rat on the volume of the sexually dimorphic nucleus of the preoptic area. Jacobson CD, et al. **J Neurosci** 1981 Oct;1(10):1142–7

Identification of androgen-dependent glycoproteins in the hamster epididymis and their association with spermatozoa. González Echeverría FM, et al. **J Reprod Fertil** 1982 Jan; 64(1):1–7

Steroid control of gonadotrophin secretion in the orchidectomized dog. Winter M, et al. **J Reprod Fertil** 1982 Mar;64(2):449–55

Sex steroid regulation of urinary excretion of carnitine in rats. Carter AL, et al. **J Steroid Biochem** 1982 Aug; 17(2):211–6

Similarities and differences between effects of testosterone and 19-nortestosterone in rats, with particular reference to hypertensogenic potency. Hall CE, et al. **J Steroid Biochem** 1982 Apr;16(4):581–5

The effect of testosterone propionate on wound healing in normal and castrate rats. Shamberger RC, et al. **J Surg Res** 1982 Jul;33(1):58–68

Growth and cell survival following treatment with estramustine nor-nitrogen mustard, estradiol and testosterone of a human prostatic cancer cell line (DU 145). Hartley-Asp B, et al. **J Urol** 1982 Apr;127(4):818–22

Effects of neonatally administered-testosterone propionate on the development of target organs of sex hormones and the induction of mammary carcinomas by 7, 8, 12-trimethylbenz (a)anthracene in female Sprague-Dawley rats. Yoshida H, et al. **Jikken Dobutsu** 1981 Jul;30(3):303–5

The influence of testosterone administration on plasma prolactin levels in the neonatally androgenized (NA) female rat. Gala RR, et al. **Life Sci** 1982 Apr 5;30(14):1201–4

Pituitary desensitization and the regulation of pituitary gonadotropin-releasing hormone (GnRH) receptors following chronic administration of a superactive GnRH analog and testosterone. Heber D, et al. **Life Sci** 1982 Jun 28;30(26):2301–8

Cellular responses of the pineal gland to sex steroids in bandicoot rat. Chakraborty S, et al. **Mikroskopie** 1981 Oct; 38(9–10):256–61

Effects of testosterone on protein synthesis in rat seminal vesicles analysed by two-dimensional gel electrophoresis. Higgins SJ, et al. **Mol Cell Endocrinol** 1981 Oct; 24(1):85–101

Comparison of steroid and LH-RH effects on the responsiveness of hemipituitary glands and dispersed pituitary cells. Speight A, et al. **Mol Cell Endocrinol** 1981 Dec;24(3):267–81

The influence of testosterone on neuromuscular transmission in hormone sensitive mammalian skeletal muscles. Souccar C, et al. **Muscle Nerve** 1982 Mar;5(3):232–7

The effect of testosterone treatment on the ability of female rat liver S9 to activate aflatoxin B1 and 2-aminofluorene in the AMES/Salmonella system. Chernesky P, et al. **Mutat Res** 1982 Mar;103(3–6):267–73

Dissociation of the effects of gonadal steroids on brain serotonin metabolism and sexual behavior in the male rat. Bradshaw WG, et al. **Neuroendocrinology** 1982 Jan; 34(1):38–45

Effect of androgen on sexual differentiation of synaptic organization in the hypothalamic arcuate nucleus: an ontogenetic study. Matsumoto A, et al. **Neuroendocrinology** 1981 Sep;33(3):166–9

Effects of testosterone and its 5 alpha-reduced metabolites on serum luteinizing hormone and hypothalamic luliberin levels in the castrated rat. Communication I. Loseva LA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):437–40

Abundant androgen regulated mRNAs in mouse submandibular gland: cell-free translation of renin precursor mRNA. Pratt RE, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3433–49

Histomorphology of the human female breast after longterm testosterone administration. Merkel KH, et al. **Pathol Res Pract** 1981 May;171(3–4):411–6

Stereotyped behavior elicited by amphetamine in the rat: influences of the testes. Beatty WW, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):565–8

Aggression induced by stimulation of the hypothalamus: effects of androgens. Bermond B, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):41–5

Testosterone affects food intake and body weight of weanling male rats. Nunez AA, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):933–6

Testosterone reduces olfactory neophobia in male golden hamsters. Cornwell-Jones CA, et al. **Physiol Behav** 1981 Jun;26(6):973–7

Isolation potentiates the aggression-activating property of testosterone in female mice. Howard SM, et al. **Physiol Behav** 1981 Jun;26(6):971–2

Effects of prenatal and neonatal androgen on estrous cyclicity and attractiveness of female hamsters. Landauer MR, et al. **Physiol Behav** 1981 Sep;27(3):419–24

Prenatal stimulation and postnatal testosterone affects infanticide in female rats. Miley WM, et al. **Physiol Behav** 1982 Apr;28(4):627–9

Hormonal control of the development of sexual behavior in androgen-insensitive (tfm) rats. Olsen KL, et al. **Physiol Behav** 1981 Nov;27(5):883–6

Testosterone induced mounting behavior in adult female rats born in litters of different female to male ratios. Slob AK, et al. **Physiol Behav** 1982 Jun;28(6):1007–10

Early effects of castration and replacement of androgen on the expression of retrovirus-like particles in rat ventral prostate epithelial cells. Seed TM, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):470–9

Myofibrillar protein breakdown in intact and adrenalectomized female rats treated with testosterone propionate. Santidrian S, et al. **Reproduccion** 1981 Jul-Sep; 5(3):203–5

Effect of testosterone propionate on the rate of myofibrillar protein breakdown in corticosterone-treated young male rats [letter] Santidrian S. **Rev Esp Fisiol** 1982 Mar; 38(1):109–11

Hormone mediated changes in monoamine stores and regulation of enzymes of biosynthesis and metabolism in the rat adrenal gland. Influence of progesterone, estradiol, ACTH and testosterone administration. Bukhari AR, et al. **Steroids** 1981 Jul;38(1):1–10

The influence of sex hormones on rat platelet sensitivity to adenosine-diphosphate. Orchard MA, et al. **Thromb Haemost** 1981 Aug 28;46(2):496–9

Testosterone potentiation of ionophore and ADP induced platelet aggregation: relationship to arachidonic acid metabolism. Pilo R, et al. **Thromb Haemost** 1981 Aug 28; 46(2):538–42

Interaction between thymosin, testosterone and estradiol on natural killer cell activity in mice. Deschaux P, et al. **Tohoku J Exp Med** 1982 Apr;136(4):367–72

Effect of sex steroids on the uptake of 3H-leucine by brain tissues of ovariectomized mice. Seiki K, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):173–9

Promoting effect of testosterone propionate on experimental exocrine pancreatic tumors by 4-hydroxyaminoquinoline 1-oxide in rats. Hayashi Y, et al. **Toxicol Lett** 1981 Dec; 9(4):349–54

The influence of androgens, anti-androgens, and castration on cell proliferation in the jejunal and colonic crypt epithelia, and in dimethylhydrazine-induced adenocarcinoma of rat colon. Tutton PJ, et al. **Virchows Arch [Cell Pathol]** 1982;38(3):351–5

Sex differences in adrenocortical structure and function. IX. Stereologic studies on the effects of gonadectomy and testosterone or estradiol replacement on adrenal cortex of adult male and female hamsters. Malendowicz LK, et al. **Z Mikrosk Anat Forsch** 1982;96(1):91–102

Testosterone propionate and the growth of Hymenolepis microstoma in intact and orchiectomized mice. Novak M, et al. **Z Parasitenkd** 1981;66(1):113–5

Endocrine influences on chicken pectoral muscle: thymus-bursa Fabricii-testosterone correlations. Giurgea R, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):159–64

[A factor influencing in vitro the influx of 86Rb+ into erythrocytes as an impurity of a commercial preparation of testosterone (author's transl)] Schreiber V, et al. **Sb Lek** 1981;83(11–12):305–8 (Eng. Abstr.) **(Cze)**

[Evidence for testosterone induced prealbumin secretion in ram epididymis] Fournier-Delpech S, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):589–94 (Eng. Abstr.) **(Fre)**

[Experimental investigations on cell loss and cell proliferation of the rat prostate after castration and androgen administration (author's transl)] Stiens R, et al. **Urol Int** 1981;36(2):88–99 (Eng. Abstr.) **(Ger)**

[The effects of progesterone and androgens on in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshife Perinatc** 1981 Oct;185(5):293–5 (Eng. Abstr.) **(Ger)**

[The action of testosterone on mammary tissue of the castrated female rat treated with estrogens] Ragucci N, et al. **Minerva Ginecol** 1980 Dec;32(12):1173–8 **(Ita)**

[Quantitative ultrastructural, cytochemical, and functional characteristics of rat gastric parietal cells following administration of hydrocortisone and testosterone propionate] Matsiuk IaR. **Arkh Anat Gistol Embriol** 1981 May;80(5):79–86 (Eng. Abstr.) **(Rus)**

[Effect of stimulators of sexual function on the hypothalamo-hypophyseal system and the fertility of androgenized female rats] Savchenko ON, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):411–7 (Eng. Abstr.) **(Rus)**

[Effect of the long-term administration of testosterone on induction of cytochrome P-450 in female rat live tissue using phenobarbital] Chistiakov VV, et al. **Vopr Med Khim** 1981 May-Jun;27(3):340–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Sexual behavior in female rats born in all-female litters. Van de Poll NE, et al. **Behav Brain Res** 1982 Jan;4(1):103–9

Testosterone dependence of scent marking by male hamsters (Mesocricetus auratus). Johnston RE. **Behav Neural Biol** 1981 Jan;31(1):96–9

Feedback control of luteinizing hormone and follicle-stimulating hormone secretion by testosterone and estradiol in men: physiological and clinical implications. Santen RJ. **Clin Biochem** 1981 Oct;14(5):243–51 (18 ref.)

Possible physiological role of adrenal and gonadal steroids in morphine analgesia. Chatterjee TK, et al. **Eur J Pharmacol** 1982 Jan 22;77(2–3):119–23

Influence of castration on the electrical excitability and contraction properties of the rat levator ani muscle. Souccar C, et al. **Exp Neurol** 1982 Mar;75(3):576–88

Effects of photostimulation, castration, and testosterone replacement on daily patterns of calling and locomotor activity in Japanese quail. Wada M. **Horm Behav** 1981 Sep; 15(3):270–81

The requirements for sexual reproduction. Federman DD. **Hum Genet** 1981;58(1):3–5

Role of gonadal hormones in development of the sexual phenotypes. Wilson JD, et al. **Hum Genet** 1981;58(1):78–84

Role of testosterone on mitomycin C induced changes in testicular histology in rats. Banik S, et al. **Indian J Exp Biol** 1981 Apr;19(4):386–7

Effect of testosterone on threshold of pain. Rao SS, et al. **Indian J Physiol Pharmacol** 1981 Oct-Dec;25(4):387–8

Testosterone acts as a prohormone to stimulate male copulatory behavior in male deer mice (peromyscus maniculatus bairdi). Clemens LG, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):114–22

Hormones and midbrain mediation of courtship behavior in the male ring dove (Streptopelia risoria). Cohen J. **J Comp Physiol Psychol** 1981 Aug;95(4):512–28

Importance of perinatal testosterone in sexual differentiation in the male rat. Gogan F, et al. **J Endocrinol** 1981 Oct; 91(1):75–9

Effects of passive immunization against testosterone on the sexual activity of female rhesus monkeys. Martensz ND, et al. **J Endocrinol** 1982 Aug;94(2):271–82

Role of testosterone in ethanol- and morphine-induced increases in the alcohol dehydrogenase-dependent metabolism of ethanol in the male rat. Cicero TJ, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):20–8

Mitochondrial aspartate aminotransferase and the effect of testosterone on citrate production in rat ventral prostate. Franklin RB, et al. **J Urol** 1982 Apr;127(4):798–802

Manipulation of testosterone in the neonatal rat and pheromonal emission in the adult. Kilpatrick SJ, et al. **Physiol Behav** 1982 Jan;28(1):53–6

[Mechanism of action and metabolism of androgens with particular reference to the skin] Zabel J. **Przegl Dermatol** 1981 May-Jun;68(3):403–7 (45 ref.) **(Pol)**

[Testosterone regulation of hexokinase and phosphofructokinase activity in androgen-sensitive tissues] Stroev EA, et al. **Vopr Med Khim** 1982 Jul-Aug;28(4):27–30 (Eng. Abstr.) **(Rus)**

SECRETION

Virilization of a post-menopausal woman by a testosterone-secreting Leydig cell type adrenal adenoma. Trost BN, et al. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):274–82

Steroid secretion and testosterone binding in a woman with an ovarian hilus cell tumor and thyrotoxicosis. Sutton GP, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):535–8

Inhibition and recovery of testosterone secretion in rats are tightly coupled to quantitative changes in Leydig cell smooth endoplasmic reticulum. Zirkin BR, et al. **Ann NY Acad Sci** 1982;383:17–28

Stimulation of Leydig cell testosterone secretion in vitro and in vivo in hypophysectomized rats by an agonist of luteinizing hormone releasing hormone. Sharpe RM, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1210–7

Suppression of luteinizing hormone and testosterone secretion in bulls following adrenocorticotropin hormone treatment. Johnson BH, et al. **Biol Reprod** 1982 Mar;26(2):305–10

Influence of adrenal steroids upon testosterone secretion by the boar testis. Juniewicz PE, et al. **Biol Reprod** 1981 Nov; 25(4):725–33

The temporal relationship between implantation, termination of prolactin surges, and increased testosterone secretion in the pregnant mouse. Barkley MS. **Endocrinology** 1982 May;110(5):1529–34

Male rats secrete luteinizing hormone and testosterone episodically. Ellis GB, et al. **Endocrinology** 1982 May; 110(5):1618–27

Capillary blood flow in the testis and testosterone secretion in the starved rat. Pirke KM, et al. **Experientia** 1982 Apr 15;38(4):516–7

Testosterone secreting adrenal cortical adenomas. Imperato-McGinley J, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):421–8

Testosterone secretion by cultured arrhenoblastoma cells: suppression by a luteinizing hormone-releasing hormone agonist. Lamberts SW, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):450–4

Diurnal variation in release of LH and testosterone in the ram. Ortavant R, et al. **J Reprod Fertil** 1982 Mar; 64(2):347–53

Seasonal variation in LH and testosterone release in rams of two breeds. Pelletier J, et al. **J Reprod Fertil** 1982 Mar; 64(2):341–6

Virilizing adrenal adenoma secreting testosterone. Kogan BA, et al. **J Urol** 1981 Dec;126(6):787–8

[Hormonal secretion dynamics in nonalcoholic drug dependence] Kurtev I. **Vutr Boles** 1981;20(4):102–6 (Eng. Abstr.) **(Bul)**

[Testosterone secretion by rat gonads of male and female foetuses in the presence of dehydroepiandrosterone in vitro (author's transl)] Picon R, et al. **C R Seances Acad Sci [III]** 1982 May 10;294(17):863–5 **(Fre)**

[Endocrine studies in a case of arrhenoblastoma (author's transl)] Saito K, et al. **Nippon Naika Gakkai Zasshi** 1982 Mar 10;71(3):331–9 **(Jpn)**

[Androgenic function of the testes and gonadotropic activity of the pituitary gland in various forms of cryptorchism in children and adolescents] Skorodok LM, et al. **Probl Endokrinol (Mosk)** 1981;27(6):33–9 (Eng. Abstr.) **(Rus)**

[Diagnostic stimulation test for the evaluation of the testosterone-secreting ability of the testis] Ježová-Repčeková D, et al. **Vnitr Lek** 1981 Mar; 27(3):263–8 (Eng. Abstr.) **(Slo)**

THERAPEUTIC USE

Considerations for the use of testosterone with systemic chemotherapy in prostatic cancer. Fowler JE Jr, et al. **Cancer** 1982 Apr 1;49(7):1373–7

Hypercalcemia in carcinoma of the breast without evidence of bone destruction: beneficial effect of hormonal therapy. Sztern M, et al. **Cancer** 1981 Dec 1;48(11):2383–5

The influence of testosterone on the development of autoimmune thyroiditis in thymectomized and irradiated rats. Ahmed SA, et al. **Clin Exp Immunol** 1982 May; 48(2):367–74

Calcium balance in osteoporotic patients on long-term oral calcium therapy with and without sex hormones. Thalassinos NC, et al. **Clin Sci** 1982 Feb;62(2):221–6

Complete liver regeneration in one-stage 90% hepatectomized rats treated with testosterone. Vic P, et al. **Hepatology** 1982 Mar-Apr;2(2):247–8

A prospective, randomized study of testosterone treatment of constitutional delay of growth and development in male adolescents. Rosenfeld RG, et al. **Pediatrics** 1982 Jun; 69(6):681–7

[Testosteron treatment of excessively tall boys (author's transl)] Brämswig JH, et al. **Dtsch Med Wochenschr** 1981 Dec 4;106(49):1656–61 (Eng. Abstr.) **(Ger)**

[Local testosterone treatment of lichen sclerosus of the vulva (author's transl)] Nauth HF. **Geburtshilfe Fraunheilkd** 1982 Jun;42(6):476–81 (Eng. Abstr.) **(Ger)**

[Testosterone therapy for aplastic anemia (author's transl)] Mori H, et al. **Rinsho Ketsueki** 1981 Dec;22(12):1865–74 (Eng. Abstr.) **(Jpn)**

[Case of juvenile nasopharyngeal fibroma treated with gamma Co-60 radiotherapy and testosterone] Dobrek Z. **Wiad Lek** 1982 Jan 1;35(1):67–9 (Eng. Abstr.) **(Pol)**

URINE

Increased androgenic activity in well-differentiated endometrial adenocarcinoma. Grattarola R. **Gynecol Oncol** 1982 Aug;14(1):40–8

Female rats prefer an area vacated by a high testosterone male. Taylor GT, et al. **Physiol Behav** 1982 Jun;28(6):953–8

[Age-dependent changes in epitestosterone urinary excretion in man] Riondino G, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2215–21 (Eng. Abstr.) **(Ita)**

[Extrarenal excretion of epitestosterone in the adult male] Strollo F, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30; 57(22):2222–7 (Eng. Abstr.) **(Ita)**

[Method of determining urinary testosterone levels] Bezverkhaia TP. **Lab Delo** 1981;(5):285–8 (Eng. Abstr.) **(Rus)**

TESTOSTERONE 5-ALPHA-REDUCTASE see under **OXIDOREDUCTASES**

TESTOSTERONE BINDING GLOBULIN see **SEX HORMONE BINDING GLOBULIN**

TESTOSTERONE DEHYDROGENASES see under **17-HYDROXYSTEROID DEHYDROGENASES**

TESTOSTERONE ESTRADIOL BINDING GLOBULIN see **SEX HORMONE BINDING GLOBULIN**

TESTOSTERONE PROPIONATE see **TESTOSTERONE**

TETANUS

see related **TRISMUS**

BLOOD

Antitoxin response in tetanus. Naranyanan K, et al. **Indian J Med Res** 1981 Sep;74:482–5

Platelet function and blood coagulation in tetanus. Manikeri SR, et al. **J Postgrad Med** 1981 Apr;27(2):109–15

CLASSIFICATION

A new method of grading tetanus neonatorum. Daud S, et al. **JPMA** 1982 Feb;32(2):41–5

COMPLICATIONS

Tetanus complicating acute leukaemia--a case report. Rajouria VP, et al. **Ann Trop Med Parasitol** 1982 Apr; 76(2):247

Motor spastic paraplegia and unilateral infranuclear facial palsy complicating tetanus. Jain MK, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):477–8

Heterotopic ossification of the hip as a complication of tetanus. Ishikawa K, et al. **Clin Orthop** 1982 Jun; (166):249–55

Acute transverse myelopathy complicating tetanus. Bahemuka M. **Postgrad Med J** 1981 Jul;57(669):443–4

CONGENITAL

Permanent tetraplegia as a consequence of tetanus neonatorum. Evidence for widespread lower motor neuron damage. Gadoth N, et al. **J Neurol Sci** 1981 Aug; 51(2):273–8

DIAGNOSIS

Jaw reflexes in local tetanus [letter] Sandyk R. **S Afr Med J** 1981 Sep 19;60(12):448–9

[Tetanus in the light of personal observations – pathogenetic, clinical and therapeutic aspects] Caban J. **Pol Tyg Lek** 1981 Sep 7;36(36):1397–8 **(Pol)**

[Clinical symptoms of importance in diagnosis of tetanus] Lange H, et al. **Lakartidningen** 1982 Feb 24;79(8):672 **(Swe)**

DRUG THERAPY

The anticholinesterase activity of tetanus toxin: comparison between intoxication by organophosphoric esters and by tetanus toxin. Leonardi G. **Ann Sclavo** 1981 May–Jun; 23(3):290–300 (59 ref.)

Intrathecal morphine in tetanus [letter] Sun S, et al. **Br J Anaesth** 1982 Jun;54(6):699–700

Trial of pyridoxine therapy for tetanus neonatorum. Godel JC. **J Infect Dis** 1982 Apr;145(4):547–9

Evaluation of diazepam alone and in combination with chlorpromazine or propranolol in the therapy of tetanus. Billimoria RB, et al. **J Postgrad Med** 1981 Apr;27(2):80–5

Neonatal tetanus treated with diazepam as single antispasmodic agent. Soetomenggolo TS, et al. **Paediatr Indones** 1981 May–Jun;21(5–6):101–6

[Immunocorrective therapy in the complex of resuscitative measures to treat the severe form of tetanus] Treshchinskiĭ AI, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):31–4 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Economic evaluation of an extraordinary vaccination against tetanus in CSR (author's transl)] Janout V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):9–14 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Cephalic tetanus. Gupta KB, et al. **Indian Pediatr** 1981 Jul; 18(7):495–6

Makwa (non-sterile skin cauterisation) as cause of tetanus [letter] Yagil Y, et al. **Lancet** 1982 May 1;1(8279):1027

IMMUNOLOGY

Serum levels of antibody to toxoid during tetanus and after specific immunization of patients with tetanus. Yeni P, et al. **J Infect Dis** 1982 Feb;145(2):278

Survey of tetanus immunity. Pieroni RE, et al. **J Med Assoc State Ala** 1981 Jul;51(1):38–40

[Immunity in tetanus] Daoudal P, et al. **Ann Anesthesiol Fr** 1981;22(3):241–4 (Eng. Abstr.) **(Fre)**

[Ability of isoelectric focusing to separate antitetanus antibodies in venous blood] Chopin N, et al. **Rev Fr Transfus Immunohematol** 1981 Nov;24(5):519–26 (Eng. Abstr.) **(Fre)**

[Tetanus antibody screening in blood donors] Berger U, et al. **Schweiz Med Wochenschr** 1981 Jan 10;111(2):61–6 (Eng. Abstr.) **(Ger)**

[Survey on tetanus immunization] **Zentralbl Chir** 1981; 106(18):1213–7 **(Ger)**

[Use of the hemagglutination test for evaluation of tetanus immunity in hospitalized elderly patients] Romanowski T, et al. **Przegl Epidemiol** 1981;35(2):225–9 (Eng. Abstr.) **(Pol)**

[Possible interference of pre-existing tetanus antitoxin, in antitetanus vaccination] Guidolin R, et al. **Rev Saude Publica** 1981 Apr;15(2):205–10 (Eng. Abstr.) **(Por)**

[Monthly dynamics of the antitoxic immunity against diphtheria and tetanus and of normal antibodies to fraction I of the plague microbe in adults] Basova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):82–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Role of biogenic amines in tetanus. Dastur FD, et al. **J Assoc Physicians India** 1981 Mar;29(3):211–7

[Hypermetabolism in head injury and tetanus: patho-physiological and new therapeutic conceptions] Hörtnagl H, et al. **Infusionsther Klin Ernahr** 1980 Dec; 7(6):312–6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Tetanus surveillance and prophylaxis. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1715–6

The distribution of tetanus in Argentina. Mazzáfero VE, et al. **Bull Pan Am Health Organ** 1981;15(4):327–32

Some aspects of tetanus neonatorum in the Pretoria area. Fourie DT. **S Afr Med J** 1982 Feb 6;61(6):183–5

[Neonatal tetanus in a hospital milieu (1969 – 1978)] Jorio-Benkhraba A, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):649–56 **(Fre)**

[Tetanus] Anusz. **Przegl Epidemiol** 1981;35(1):135–9 **(Pol)**

[Role of the soil reservoir of Clostridium tetani in the endemicity of tetanus in Krasnodar Territory] Pasechnik AL, et al. **Gig Sanit** 1981 Jun;(6):89 **(Rus)**

PATHOLOGY

Chronic tetanus: clinical report and histochemistry of muscle. Risk WS, et al. **Muscle Nerve** 1981 Sep–Oct;4(5):363–6

[Ultrastructural changes in the pituitary gland during tetanus intoxication and effects of butyroxan] Rumbesht LM, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):63–5 **(Rus)**

PHYSIOPATHOLOGY

Important factors in induction of long-term potentiation in thin hippocampal sections. Yamamoto C, et al. **Exp Neurol** 1981 Oct;74(1):122–30

Thyroid function in tetanus. Dastur FD, et al. **J Assoc Physicians India** 1981 Jul;29(7):519–25

Relapsing tetanus (a case report). Bhatt AD, et al. **J Postgrad Med** 1981 Jul;27(3):184–6

[Tetanus: recent aspects] Dejardin C. **Rev Med Liege** 1982 Jan 1;37(1):17–22 **(Fre)**

[Pathophysiology of tetanus rigidity (author's transl)] Bratzlavsky M, et al. **Rev Neurol (Paris)** 1980; 136(12):815–23 (Eng. Abstr.) **(Fre)**

[Early clinical sign of tetanus: neurophysiopathologic interpretation] Piazza G, et al. **Riv Neurobiol** 1981 Jan–Mar; 27(1):68–73 **(Ita)**

PREVENTION & CONTROL

Diphtheria, tetanus, and pertussis: Guidelines for vaccine prophylaxis and other preventive measures. Immunization Practices Advisory Committee, Centers for Disease Control. **Ann Intern Med** 1981 Dec;95(6):723–8

Use of tetanus toxoid for the prevention of neonatal tetanus. 1. Reduction of neonatal mortality by immunization of non-pregnant and pregnant women in rural Bangladesh. Rahman M, et al. **Bull WHO** 1982;60(2):261–7

Use of tetanus toxoid for the prevention of neonatal tetanus. 2. Immunization acceptance among pregnant women in rural Bangladesh. Rahman M, et al. **Bull WHO** 1982; 60(2):269–77

Tetanus prevention. Furste W, et al. **Compr Ther** 1981 Sep; 7(9):49–57

Tetanus: why not immunize housewives and the elderly? Jones VA. **J R Coll Gen Pract** 1981 Nov;31(232):686

Tetanus neonatorum [letter] Catterall RD. **S Afr Med J** 1982 Apr 17;61(16):573

RADIOGRAPHY

The radiological features of neonatal tetanus. Odita JC. **Diagn Imaging** 1982 Mar–Apr;51(2):69–77

THERAPY

Results of treatment of patients with severe tetanus. A study o 18 cases. Pessi T, et al. **Ann Chir Gynaecol** 1981; 70(4):182–6

Intrathecal tetanus immunoglobulin (human). Gupta PS, et al. **Indian J Pediatr** 1982 Jan–Feb;49(396):15–7

Insensible fluid losses in severe tetanus. Kerr JH. **Intensive Care Med** 1981;7(5):209–12

Tetanus neonatorum (a preliminary report of assessment of different therapeutic regimens). Daud S, et al. **J Trop Pediatr** 1981 Dec;27(6):308–11

Therapeutic efficacy of human anti-tetanic globulin--a clinical study of 100 cases. Bagree MM, et al. **Jpn J Surg** 1982;12(1):26–9

Treatment of severe tetanus with mechanical ventilation in developing country. Hassan R, et al. **Paediatr Indones** 1981 Nov–Dec;21(11–12):221–8

[Guide to the treatment of tetanus. The essentials] Gullo A, et al. **Minerva Anestesiol** 1981 Jun;47(6):311–4 **(Ita)**

[Tetanus during pregnancy: report of a case] Noriega López J, et al. **Ginecol Obstet Mex** 1981 May;49(295):335–42 (Eng. Abstr.) **(Spa)**

VETERINARY

Tetanus in a dog: a case report. Hanson CJ. **Vet Rec** 1982 Apr 3;110(14):336–7

[Intranasal vaccination against tetanus in horses] Baljer G, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 1; 95(11):208–13 (Eng. Abstr.) **(Ger)**

[Tetanus in cattle caused by dehorning with rubber bands] Karatzias H. **DTW** 1981 Sep 5;88(9):382–3 **(Ger)**

TETANUS ANTITOXIN

[Preparation of highly potent lyophilized tetanus antitoxin (author's transl)] Huang RJ, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):92–5 (Eng. Abstr.) **(Chi)**

ADMINISTRATION & DOSAGE

Intrathecal tetanus immunoglobulin (human). Gupta PS, et al. **Indian J Pediatr** 1982 Jan–Feb;49(396):15–7

ADVERSE EFFECTS

Injection fibrosis of quadriceps muscle in children. Singh KP, et al. **J Indian Med Assoc** 1982 Feb 1;78(3):40–2

[Undesirable and harmful effects of analgesics, X-ray contrast media and antitetanus serum] Rudzki E, et al. **Pol Tyg Lek** 1982 May 3;37(9–10):285–7 **(Pol)**

ANALYSIS

Antitoxin response in tetanus. Naranyanan K, et al. **Indian J Med Res** 1981 Sep;74:482–5

Quantification of tetanus antitoxin by toxin neutralization test in mice. A comparison between lethal and paralytic techniques. Christiansen G. **J Biol Stand** 1981 Oct; 9(4):453–60

A reversed rocket electrophoresis method for the determination of high tetanus antitoxin levels. Rubin ME, et al. **J Biol Stand** 1981 Oct;9(4):367–71

Manual screening for immune antitetanus antibodies by means of latex coated with tetanus toxoid. Booth JR, et al. **J Clin Pathol** 1982 Aug;35(8):899–901

Sero-conversion following DPT immunization–comparison of two immunizing agents. Ray K, et al. **J Commun Dis** 1980 Jun;12(2):69–72

Genetically determined disproportion between primary and secondary tetanus antitoxin responses and proliferative reactions in lymph nodes regional to the site of antigen injection: C57L/J compared with haired and hairless HRS/J mice. Buerki H, et al. **J Reticuloendothel Soc** 1981 Dec;30(6):531–8

Natural resistance against tetanus in patients with lepromatous leprosy. Saha K, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):832–4

[Diphteric and tetanic antitoxins seric values in the first year of life, before and after immunization an horizontal survey in Mozambic (author's transl)] Levy FM, et al. **Med Trop (Mars)** 1981 Nov–Dec;41(6):633–9 (Eng. Abstr.) **(Fre)**

BLOOD

[Antibody-induced immunosuppression: a possible mechanism for tetanus immunization failure in infants (author's transl)] Wirsing von König CH, et al. **Immun Infekt** 1981 Sep;9(5):175–6 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Preliminary studies on the immune response to tetanus antitoxin: use of dried blood on filter paper] Tarzaali A, et al. **Arch Inst Pasteur Alger** 1978–79;53:114–9 (Eng. Abstr.) **(Fre)**

[Possible interference of pre-existing tetanus antitoxin, in antitetanus vaccination] Guidolin R, et al. **Rev Saude Publica** 1981 Apr;15(2):205–10 (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

Employment of toxins bound to porous silica beads for isolation of pure antibodies by immunoadsorption. Relyveld EH. **Ann Immunol (Paris)** 1981 May–Jun;132 C(3):365–74

STANDARDS

Deterioration of tetanus antitoxin at 4–8 degrees C. Singh H, et al. **J Biol Stand** 1982 Apr;10(2):91–4

THERAPEUTIC USE

Cephalic tetanus. Gupta KB, et al. **Indian Pediatr** 1981 Jul; 18(7):495–6

Therapeutic efficacy of human anti-tetanic globulin--a clinical study of 100 cases. Bagree MM, et al. **Jpn J Surg** 1982;12(1):26–9

[Therapeutic effectiveness of tetanus antitoxins purified by nonspecific and immunochemical methods] Aleksevich IaI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr; (4):114–5 (Eng. Abstr.) **(Rus)**

TETANUS TOXIN

Conformational and molecular weight studies of tetanus toxin and its major peptides. Robinson JP, et al. **J Biol Chem** 1982 Jan 10;257(1):407–11

Characterization of crystalline filtrate tetanus toxin. Chiu W, et al. **J Ultrastruct Res** 1982 Jun;79(3):285–93

Tetanus neurotoxin. Wellhöner NH. **Rev Physiol Biochem Pharmacol** 1982;93:1–68 (475 ref.)

ADMINISTRATION & DOSAGE

Delivery of chemotherapeutic agents to the central nervous system. Cohen JI. **Med Hypotheses** 1982 Jan;8(1):103–4

ANALYSIS

Characterization of tetanus toxins and toxin components by amino terminal analyses. DiMari SJ, et al. **Arch Biochem Biophys** 1982 Mar;214(1):354–65

IMMUNOLOGY

Neutralization of bacterial exotoxin (tetanus toxin) by catfish IgM antibody. Ourth DD. **Immunology** 1982 Jan; 45(1):49–53

Human anti-tetanus toxin precipitating and co-precipitating antibodies. Perdigón G, et al. **Immunology** 1982 Jan; 45(1):183–90

Elevation of levels of IgE antibody to tetanus toxin in individuals vaccinated with diphtheria-pertussis-tetanus vaccine. Matuhasi T, et al. **J Infect Dis** 1982 Aug;146(2):290

[Intranasal vaccination against tetanus in horses] Baljer G, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 1; 95(11):208–13 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Purification of tetanus toxin and its peptide components by

preparative polyacrylamide gel electrophoresis. DiMari SJ, et al. **Arch Biochem Biophys** 1982 Mar;214(1):342–53

METABOLISM

The hydrophobicities of cholera toxin, tetanus toxin and their components. Ward WH, et al. **Biochem J** 1981 Nov 1; 199(2):457–60

Prenatal and postnatal ontogenesis of neurotransmitter–synthetizing enzymes and [125I]tetanus toxin binding capacity in the mouse hypothalamus. Puymirat J, et al. **Brain Res** 1982 Feb;255(2):199–206

Characterization of fragment C and tetanus toxin binding to rat brain membranes. Goldberg RL, et al. **Mol Pharmacol** 1981 Nov;20(3):565–70

Non–coated membrane invaginations are involved in binding and internalization of cholera and tetanus toxins. Montesano R, et al. **Nature** 1982 Apr 15;296(5858):651–3

Transsynaptic retrograde labeling in the oculomotor system of the monkey with [125I]tetanus toxin BIIb fragment. Büttner–Ennever JA, et al. **Neurosci Lett** 1981 Nov 4; 26(3):233–8

[Ultrastructural visualization of binding and internalization of cholera and tetanuts toxins] Montesano R, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):563–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The anticholinesterase activity of tetanus toxin: comparison between intoxication by organophosphoric esters and by tetanus toxin. Leonardi G. **Ann Sclavo** 1981 May–Jun; 23(3):290–300 (59 ref.)

Tetanus toxin action on cultured nerve cells does it modify a neuronal protein? Wendon LM, et al. **Brain Res** 1982 Apr 22;238(1):292–7

Effect of tetanus toxin on jaw reflexes. Jaju BP, et al. **Indian J Exp Biol** 1981 Nov;19(11):1079–80

In vitro effect of tetanus toxin on GABA release form rat hippocampal slices. Collingridge GL, et al. **J Neurochem** 1981 Oct;37(4):1039–41

Tetanus toxin and botulinum A neurotoxin inhibit and at higher concentrations enhance noradrenaline outflow from particulate brain cortex in batch. Habermann E. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(2):105–11

Rhythmic activity in the cerebellum and spinal cord of rabbits receiving tetanus toxin intravenously. Huck S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):51–3

Different effects of botulinum A toxin and tetanus toxin on the transmitter releasing process at the mammalian neuromuscular junction. Dreyer F, et al. **Neurosci Lett** 1981 Nov 4;26(3):307–11

[Tetanus toxin and the mechanism of central depression] Sedláček J. **Cesk Fysiol** 1982;31(1):73–84 (68 ref.) **(Cze)**

[Effect of tetanus toxin on mechanisms by which calcium ions regulate transmitter secretion at the neuromuscular junction] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):648–51 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the pituitary gland during tetanus intoxication and effects of butyroxan] Rumbesht LM, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):63–5 **(Rus)**

POISONING

The effects of induced hypoxia on the cardiovascular system in dogs poisoned with tetanus toxin. Sofola OA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb; 318(3):220–4

[Changes in the ratio of quantum–vesicular parameters in the presence of disrupted synaptic transmitter secretion in the neuromuscular junctions of mammals] Pozdniakov OM, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):738–40 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute botulinum–like intoxication by tetanus neurotoxin in mice. Matsuda M, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):799–805

Reversible effects of tetanus toxin on striatal–evoked responses and [3H]–gamma–aminobutyric acid release in the rat substantia nigra. Collingridge GL, et al. **Br J Pharmacol** 1982 Jul;76(3):403–11

At least three sequential steps are involved in the tetanus toxin–induced block of neuromuscular transmission. Schmitt A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981;317(4):326–30

The interaction of tetanus toxin and lanthanum at the neuromuscular junction in the goldfish. Mellanby J, et al. **Toxicon** 1981;19(4):547–54

TETANUS TOXOID

Clinical and immunological responses with Pr–beta–hCG–TT vaccine. Shahani SM, et al. **Contraception** 1982 Apr;25(4):421–34

[Economic evaluation of an extraordinary vaccination against tetanus in CSR (author's transl)] Janout V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):9–14 (Eng. Abstr.) **(Cze)**

[Analysis of data in the patent literature on methods of preparing the components of adsorbed DTP vaccine] Dzheksenbaev OSh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):24–9 (28 ref.) **(Rus)**

ADMINISTRATION & DOSAGE

Use of tetanus toxoid for the prevention of neonatal tetanus. 2. Immunization acceptance among pregnant women in rural Bangladesh. Rahman M, et al. **Bull WHO** 1982; 60(2):269–77

Use of tetanus toxoid for the prevention of neonatal tetanus. 1. Reduction of neonatal mortality by immunization of non–pregnant and pregnant women in rural Bangladesh. Rahman M, et al. **Bull WHO** 1982;60(2):261–7

Tetanus neonatorum [letter] Catterall RD. **S Afr Med J** 1982 Apr 17;61(16):573

[Effect of duration of the intervals between immunization with DPT vaccine on the serological indices in children] Baeva EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):90–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Abscesses complicating DTP vaccination. Bernier RH, et al. **Am J Dis Child** 1981 Sep;135(9):826–8

Life–threatening anaphylactic reaction to tetanus toxoid. Zaloga GP, et al. **Ann Allergy** 1982 Aug;49(2):107–8

Peripheral neuropathy after multiple tetanus toxoid injections. Reinstein L, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):332–4

Antibody titers after dpt immunization [letter] Chiarello RA. **Hosp Pract** 1982 Apr;17(4):17

Bulging fontanel following triple vaccine [letter] Mathur R, et al. **Indian Pediatr** 1981 Jun;18(6):417–8

Herald patch in a DPT injection site [letter] Laude TA. **J Am Acad Dermatol** 1981 Oct;5(4):475–6

A laboratory study of the toxicity of some diphtheria––tetanus––pertussis vaccines. Hooker JM. **J Biol Stand** 1981 Oct;9(4):493–506

Tetanus toxoid: what determines reaction proneness? Levine L, et al. **J Infect Dis** 1981 Oct;144(4):376

Diphtheria–tetanus toxoids–pertussis vaccination and sudden infant deaths in Tennessee. Bernier RH, et al. **J Pediatr** 1982 Sep;101(3):419–21

TV report on DTP galvanizes US pediatricians [news] González ER. **JAMA** 1982 Jul 2;248(1):12–4, 20–2

Adverse reactions to tetanus toxoid. Jacobs RL, et al. **JAMA** 1982 Jan 1;247(1):40–2

Post–DPT inoculation cervical lymphadenitis in children. Omokoku B, et al. **NY State J Med** 1981 Oct;81(11):1667–8

Unusual reaction to tetanus toxoid [letter] Robinson IG. **NZ Med J** 1981 Nov 11;94(695):359

Nature and rates of adverse reactions associated with DTP and DT immunizations in infants and children. Cody CL, et al. **Pediatrics** 1981 Nov;68(5):650–60

Skin reactions after triple vaccine. Orlans D, et al. **Practitioner** 1982 Jul;226(1369):1295–6

Vaccine reactions: the challenge to pediatricians. Cockrell JL. **Va Med** 1982 Jun;109(6):380–1

[Reactions after immunization with the triple vaccine against diphtheria, tetanus, and pertussis] Burianová B, et al. **Cesk Pediatr** 1981 Nov;36(11):646–7 (Eng. Abstr.) **(Cze)**

[Prophylactic inoculations and seizure activity in the EEG] Cižewska S, et al. **Neurol Neurochir Pol** 1981 Sep–Dec; 15(5–6):553–7 (Eng. Abstr.) **(Pol)**

[Apropos encephalitis in ADPT vaccination] Pokrovskaia NIa, et al. **Pediatriia** 1981 May;(5):39–41 **(Rus)**

ANALYSIS

[Determination of bulk proteins in tetanus toxoid using the passive cutaneous anaphylaxis test] Künzel W, et al. **Arch Exp Veterinarmed** 1981;35(5):757–61 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Efficiency of tetanus toxoid booster in leukaemic children. Nyerges G, et al. **Acta Paediatr Acad Sci Hung** 1981; 22(3):237–41

The primary serological response to a single dose of adsorbed tetanus toxoid, high concentration type. Breman JG, et al. **Bull WHO** 1981;59(5):745–52

Human anti–tetanus antibody response in vitro: autologous and allogeneic T cells provide help by different routes. Brenner MK, et al. **Clin Exp Immunol** 1981 Oct;46(1):171–7

Efficacy of antibodies generated by Pr–beta–hCG–TT to terminate pregnancy in baboons: its reversibility and rescue by medroxyprogesterone acetate. Tandon A, et al. **Contraception** 1981 Jul;24(1):83–95

Human T cell hybridomas with tetanus–toxoid–specific helper activity. DeFreitas EC, et al. **Curr Top Microbiol Immunol** 1982;100:191–201

Seroconversion following D.P.T. vaccine: effect of storage conditions. Pamecha RK, et al. **Indian J Pediatr** 1981 Nov–Dec;48(395):739–44

Immunoglobulin E–suppressing and immunoglobulin G–enhancing tetanus toxoid prepared by conjugation with pullulan. Mitani S, et al. **Infect Immun** 1982 Jun;36(3):971–6

Macrophage T–cell interaction in man: handling of tetanus toxoid antigen by human monocytes. Alpert SD, et al. **J Clin Immunol** 1981 Jan;1(1):21–9

Expression of surface membrane IgG on pokeweed mitogen–reactive anti–tetanus toxoid antibody–producing cells. Thiele CJ, et al. **J Clin Immunol** 1981 Jul;1(3):174–80

Manual screening for immune antitetanus antibodies by means of latex coated with tetanus toxoid. Booth JR, et al. **J Clin Pathol** 1982 Aug;35(8):899–901

Presence of auto–anti–idiotypic antibody during the normal human immune response to tetanus toxoid antigen. Geha RS. **J Immunol** 1982 Jul;129(1):139–44

Requirements for the establishment of high–titered human monoclonal antibodies against tetanus toxoid using the Epstein–Barr virus technique. Kozbor D, et al. **J Immunol** 1981 Oct;127(4):1275–80

Antigen–induced in vitro antibody production in humans: tetanus toxoid–specific antibody synthesis. Volkman DJ, et al. **J Immunol** 1982 Jul;129(1):107–12

Elevation of levels of IgE antibody to tetanus toxin in individuals vaccinated with diphtheria–pertussis–tetanus vaccine. Matuhasi T, et al. **J Infect Dis** 1982 Aug;146(2):290

Serum levels of antibody to toxoid during tetanus and after specific immunization of patients with tetanus. Yeni P, et al. **J Infect Dis** 1982 Feb;145(2):278

Intrathecal synthesis of antibodies to diphtheria and tetanus toxoids in multiple sclerosis patients. Salmi A, et al. **J Neuroimmunol** 1981 Sep;1(3):333–41

The effect of albumin resuscitation for shock on the immune response to tetanus toxoid. Clift DR, et al. **J Surg Res** 1982 May;32(5):449–52

[Immune response to tetanus toxoid in mice receiving protein deficient diet immediately after weaning] Tarzaali A, et al. **Arch Inst Pasteur Alger** 1978–79;53:101–13 (Eng. Abstr.) **(Fre)**

[Survey on tetanus immunization] **Zentralbl Chir** 1981; 106(18):1213–7 **(Ger)**

[Immunity in the aged individuals. 1) Specific immunity (author's transl)] Tomino S. **Nippon Ronen Igakkai Zasshi** 1982 Mar;19(2):131–4 **(Jpn)**

[Immune response to sheep erythrocytes and tetanus toxoid in rats and mice with adjuvant disease] Davydova TV. **Vestn Akad Med Nauk SSSR** 1981;(6):32–4 (Eng. Abstr.) **(Rus)**

[Antigenic similarity of the pertussis component of adsorbed DTP vaccine to human erythrocytes] Aleksandrova LZ, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):82–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[Possible interference of pre–existing tetanus antitoxin, in antitetanus vaccination] Guidolin R, et al. **Rev Saude Publica** 1981 Apr;15(2):205–10 (Eng. Abstr.) **(Por)**

STANDARDS

Studies on the stability of tetanus and pertussis components of DPT vaccine on exposure to different temperatures. Kumar V, et al. **Indian J Pathol Microbiol** 1982 Jan; 25(1):50–4

THERAPEUTIC USE

Mass media and immunization awareness of pregnant women in a Nigerian community. Odumosu MO. **Can J Public Health** 1982 Mar–Apr;73(2):105–8

[Antibody–induced immunosuppression: a possible mechanism for tetanus immunization failure in infants (author's transl)] Wirsing von König CH, et al. **Immun Infekt** 1981 Sep;9(5):175–6 (Eng. Abstr.) **(Ger)**

TOXICITY

The results of study of pertussis component of DPT vaccine produced in USSR and some other countries. Zakharova MS, et al. **J Hyg Epidemiol Microbiol Immunol** 1981; 25(4):439–48

[Evaluation of the toxic action of prophylactic and therapeutic preparations on cell cultures of different types and origin. II. The cytotoxic action of adsorbed DPT vaccine and its components on cells of the continuous L132 line] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):53–7 (Eng. Abstr.) **(Rus)**

[Evaluation of the toxic effects of preventive and therapeutic preparations in transplantable cell cultures from different species and of different origins. I. Demonstration of the toxic properties of commercial batches of adsorbed DPT vaccine in cell cultures] Sovetova GP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):84–7 (Eng. Abstr.) **(Rus)**

TETANUS VACCINE see **TETANUS TOXOID**

TETANY

CHEMICALLY INDUCED

Tetany following aminoglycoside therapy. Watson AJ, et al. **Ir J Med Sci** 1981 Oct;150(10):316–7

Neurobehavioral effects of neonatal hypermagnesemia. Rasch DK, et al. **J Pediatr** 1982 Feb;100(2):272–6

Urinary magnesium leak complicating treatment of choriocarcinoma. Moloney A, et al. **Nephron** 1982; 30(1):51–55

COMPLICATIONS

Bilateral femoral neck fractures as a result of coeliac disease. Rubinstein A, et al. **Postgrad Med J** 1982 Jan;58(675):61–2

[Paroxysmal glottospasm in latent tetany (author's transl)] Gryczyńska D, et al. **Otolaryngol Pol** 1982;36(2–3):143–6 **(Pol)**

DIAGNOSIS

[Chronic constitutional tetany. Clinical and electromyographic aspects of 50 cases] Del Conte I, et al. **Riv Neurol** 1981 Sep–Oct;51(5):245–60 (33 ref.) (Eng. Abstr.) **(Ita)**

[Case of manifest tetany in pregnancy] Jędrzejczyk J, et al. **Wiad Lek** 1981 Jun 1;34(11):951–2 **(Pol)**

ETIOLOGY

[Magnesium–deficiency tetany and its therapy] Steidl L, et al. **Cas Lek Cesk** 1981 Sep 10;120(36):1078–82 (Eng. Abstr.) **(Cze)**

[Concentration of calcium and phosphorus in patients after thyroidectomy without ligation of the inferior thyroid arteries (author's transl)] Schmauss AK, et al. **Zentralbl Chir** 1981;106(16):1063–73 (Eng. Abstr.) **(Ger)**

[A case of hypomagnesemia with tetany and convulsion (author's transl)] Sato K, et al. **Nippon Naika Gakkai Zasshi** 1981 Oct 10;70(10):1427–31 **(Jpn)**

PHYSIOPATHOLOGY

The functional status of the parathyroid in adult spasmophilia patients estimated by plasma parathormone assay. Lungu G, et al. **Endocrinologie** 1981 Oct–Dec;19(4):257–60

[Hypersensitivity of the beta–adrenergic receptors in patients considered as spasmophilic. Results of two stimulation trials with isoprenaline in 105 patients (author's transl)] Hugues FC, et al. **Ann Med Interne (Paris)** 1981;132(6):390–3 (Eng. Abstr.) **(Fre)**

THERAPY

[Treatment of tetany occurring after thyroid surgery] Karavanov GG. **Vestn Khir** 1982 Mar;128(3):59–62 **(Rus)**

VETERINARY

Nutritionally induced hypocalcemic tetany in an Amazon parrot. Randell MG. **J Am Vet Med Assoc** 1981 Dec 1; 179(11):1277–8

Common metabolic diseases of cattle: ketosis, milk fever, grass tetany, and downer cow complex. Littledike ET, et al. **J Dairy Sci** 1981 Jun;64(6):1465–82 (114 ref.)

Hypomagnesaemic tetany in sheep. West DM, et al. **NZ Vet J** 1981 Jun;29(6):85–7

Hardened calcined magnesite–molasses block for preventing hypomagnesaemia in beef cows. McMurray CH, et al. **Vet Rec** 1981 Nov 21;109(21):471–2

Hypocalcemic tetany induced by piperazine citrate in a mountain lion. Rettig T. **VM SAC** 1981 Nov;76(11):1632–4

[Two cases of tetany in the horse (author's transl)] Meijer P. **Tijdschr Diergeneeskd** 1982 May 1;107(9):329–32 (Eng. Abstr.) **(Dut)**

TETRABENAZINE

ANALOGS & DERIVATIVES

[Binding of a tetrabenazine derivative to the monoamine transporter of the chromaffin granule membrane] Scherman D, et al. **C R Seances Acad Sci [III]** 1981 Oct 5;293(4):221–4 (Eng. Abstr.) **(Fre)**

BLOOD

Determination of therapeutic plasma concentrations of tetrabenazine and an active metabolite by high–performance liquid chromatography. Roberts MS, et al. **J Chromatogr** 1981 Nov 13;226(1):175–82

PHARMACODYNAMICS

Effects of tricyclic antidepressants on tetrabenazine–induced depletion of brain monoamines in rats. 2. Dopamine. Yoshizaki T, et al. **Jpn J Pharmacol** 1981 Jun;31(3):443–9

THERAPEUTIC USE

Treatment of hyperkinetic movement disorders with tetrabenazine: a double–blind crossover study. Jankovic J. **Ann Neurol** 1982 Jan;11(1):41–7

[Spontaneous oral dyskinesia. Successful treatment with tetrabenazine (author's transl)] Schumm F, et al. **Arch Psychiatr Nervenkr** 1981;230(4):315–23 (Eng. Abstr.) **(Ger)**

TETRABROMOFLUORESCEIN see **EOSIN**

TETRACAINE

Molecular details of anesthetic–-lipid interaction as seen by deuterium and phosphorus–31 nuclear magnetic resonance. Boulanger Y, et al. **Biochemistry** 1981 Nov 24; 20(24):6824–30

Evaluation of the anesthetic–lipid association constant. A monolayer approach. Guilmin T, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):169–76

Charge and pH dependent drug binding to model membranes. A 2H–NMR and light absorption study. Westman J, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):315–28

[Peridural anesthesia as a method of intraoperative analgesia] Aliev MA, et al. **Klin Khir** 1981 Dec;(12):33–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Isobaric tetracaine spinal anesthesia and the lithotomy position. Levin E, et al. **Anesth Analg (Cleve)** 1981 Nov; 60(11):810–3

A clinical double–blind study of dibucaine and tetracaine in spinal anesthesia. Rocco AG, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):133–7

Duration of the local anesthetic effect of tetracaine hydrochloride solutions and tetracaine in microspheres. Wakiyama N, et al. **J Pharmacobiodyn** 1982 Jan;5(1):13–7

ADVERSE EFFECTS

[Contact sensitivity to amethocaine] García–Pérez A, et al. **Actas Dermosifiliogr** 1981 Sep–Oct;72(9–10):441–8 (Eng. Abstr.) **(Spa)**

ANALOGS & DERIVATIVES

Local anesthetics: 2–N,N–dialkylaminoacyl–2'–methyl (or 2',6'–dimethyl)–4'–butylaminoanilides. Foye WO, et al. **J Pharm Sci** 1982 Jun;71(6):680–6

ANALYSIS

Density of normal human cerebrospinal fluid and tetracaine solutions. Levin E, et al. **Anesth Analg (Cleve)** 1981 Nov; 60(11):814–7

Studies of chromophores in model membranes by polarized light–absorption spectroscopy. The orientation and binding of tetracaine and procaine. Johansson LB, et al. **Biophys J** 1981 Dec;36(3):735–41

PHARMACODYNAMICS

Interaction of local anesthetics with calmodulin. Tanaka T, et al. **Biochem Biophys Res Commun** 1981 Jul 30; 101(2):447–53

Disruption of liposomes by tetracaine micelles. Fernández MS. **Biochim Biophys Acta** 1981 Aug 6;646(1):27–30

Membrane stabilizers inhibit potassium efflux from Staphylococcus aureus strain No. U2275. Kristiansen JE, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):379–82

The effect of local anesthetics and ammonia on cortical granule–plasma membrane attachment in the sea urchin egg. Hylander BL, et al. **Dev Biol** 1981 Aug;86(1):1–11

Influence of tetracaine on the structure and function of estrogen receptors. Kim UH, et al. **Endocrinology** 1982 Jul; 111(1):260–8

Effect of some radiosensitizing drugs on human erythrocyte membrane–-spin label study. Mishra KP. **Indian J Biochem Biophys** 1982 Feb;19(1):21–6

The effects of tetracaine on the membrane currents and contraction of frog atrial muscle. Chapman RA, et al. **J Physiol (Lond)** 1981 Aug;317:475–86

In–vitro inhibition of the block to polyspermy of hamster eggs by tertiary amine local anaesthetics. Ahuja KK. **J Reprod Fertil** 1982 May;65(1):15–22

Role of external calcium in A23187–promoted serotonin release from platelets in the presence or absence of tetracaine. Wörner P, et al. **J Ultrastruct Res** 1981 Jun; 75(3):259–68

Effects of various membrane phospholipid–interacting drugs on three species of multifunctional protein kinases. Mori T. **Kobe J Med Sci** 1981 Apr;27(2):77–89

[High–immunogenic mutants of Salmonella with two independently of each other attenuating markers as potential vaccines from bacteria capable of multiplication. III. Communication: spontaneous chromosomal resistance against noxes as a possibility for isolation of clones with decreased virulence (author's transl)] Linde K, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):478–89 (Eng. Abstr.) **(Ger)**

TOXICITY

Damage to tissue defenses by a topical anesthetic agent. Barker W, et al. **Ann Emerg Med** 1982 Jun;11(6):307–10

TETRACEMATE see **EDTA**

TETRACHLORODIBENZODIOXIN see under **DIOXINS**

TETRACHLOROETHYLENE

ANALYSIS

[Gas chromatographic determination of dichloromethane, trichloroethylene and tetrachloroethylene in air in the maximum emission concentration range] Hanika G, et al. **Z Gesamte Hyg** 1982;28(1):20–1 (Eng. Abstr.) **(Ger)**

METABOLISM

Metabolic activation and deactivation mechanisms of di–, tri–, and tetrachloroethylenes. Henschler D, et al. **Adv Exp Med Biol** 1981;136 Pt A:659–66

POISONING

[Symptoms and differential therapy of ingestive and inhalative tetra(=per–) chloroethylene poisoning] Metz U, et al. **Med Welt** 1982 Jun 18;33(24):892–4 **(Ger)**

TOXICITY

Acute toxicity of tetrachloroethylene and tetrachloroethylene with dimethylformamide to rainbow trout (Salmo gairdneri). Shubat PJ, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):7–10

Cytogenetic and cytokinetic investigations on lymphocytes from workers occupationally exposed to tetrachloroethylene. Ikeda M, et al. **Dev Toxicol Environ Sci** 1980;8:347–50

TETRACHLORVINPHOS

ADMINISTRATION & DOSAGE

Sustained–release Rabon bolus for face fly control in cattle feces. Riner JL, et al. **J Econ Entomol** 1981 Jun; 74(3):359–62

Efficacy of an oral larvicide in controlling horse bots. Sharp AJ, et al. **VM SAC** 1981 Aug;76(8):1207–9

ANALYSIS

Residues of strirofos (rabon) in eggs of laying hens treated for northern fowl mite control by dipping. Ivey MC, et al. **Poult Sci** 1982 Mar;61(3):443–6

METABOLISM

Tetrachlorvinphos metabolism in laying hens. Akhtar MH, et al. **J Agric Food Chem** 1981 Jul–Aug;29(4):766–71

PHARMACODYNAMICS

Dual effects of tetrachlorvinphos on procaine toxicity and procainesterase activity in rats. Moroi K, et al. **Jpn J Pharmacol** 1982 Feb;32(1):109–20

TOXICITY

[Studies on the maximum permissible concentration on tetrachlorovinphos in surface water (author's transl)] Xia SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):27–30 (Eng. Abstr.) **(Chi)**

TETRACYCLINE

Dissolution of tetracycline hydrochloride in mucin solutions. Kearney P, et al. **Adv Exp Med Biol** 1982;144:105–8

[Subjection of tetracycline resistance genes to cat promotor gene in plasmid pBR325] Kozlovskaia TM, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1158–68 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Tetracycline pleurodesis during active pulmonary–pleural air leak for prevention of recurrent pneumothorax. Macoviak JA, et al. **Chest** 1982 Jan;81(1):78–81

Topical antibiotics [letter] Rapaport M. **Int J Dermatol** 1981 Nov;20(9):616–7

Topical clindamycin versus systemic tetracycline in the treatment of acne. Results of a multiclinic trial. Gratton D, et al. **J Am Acad Dermatol** 1982 Jul;7(1):50–3

Effect of combined antibiotic therapy on fertility in brood bitches infected with Brucella canis. Johnson CA, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1330–3

Comparison of the in vitro serum microbiological activity of a triple tetracycline tablet, 300 mg B.I.D. with oxytetracyline, 250 mg Q.I.D. Brock PG, et al. **J Int Med Res** 1981;9(5):360–4

Drug therapy for Plasmodium falciparum malaria resistant to pyrimethamine–sulfadoxine (Fansidar). A study of alternate regimens in Eastern Thailand, 1980. Reacher M, et al. **Lancet** 1981 Nov 14;2(8255):1066–9

Drug–resistant malaria in Africa. A case report and review of the problem and treatment. Nieuwveld RW, et al. **S Afr Med J** 1982 Jul 31;62(6):173–5

[Comparative double blind study of topical clindamycine phosphate, oral tetracycline chlorhydrate and a placebo in the treatment of moderate to severe acne vulgaris] Guertin–Larochelle S, et al. **Union Med Can** 1982 Jun; 111(6):559–62 (Eng. Abstr.) **(Fre)**

[Tetracycline penetration into tissue by modified electro– and phonophoretic methods] Ragelis Slu. **Antibiotiki** 1981 Sep; 26(9):699–703 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Lactic acidosis and Fanconi's syndrome due to degraded tetracycline. Montoliu J, et al. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1576–7

An usual presentation of fixed drug eruption. Kanwar AJ, et al. **Dermatologica** 1982 Feb;164(2):115–6

Tetracycline ulcers of the oesophagus, Endoscopy, histology and roentgenology in two cases, and review of the literature. Winckler K. **Endoscopy** 1981 Nov;13(6):225–8

Tetracycline–induced pancreatitis. Elmore MF, et al. **Gastroenterology** 1981 Dec;81(6):1134–6

Disruption of family unity from an adverse reaction to tetracycline. Nottebart HC Jr. **Infect Control** 1981 Sep-Oct; 2(5):391-2

Esthetic restoration of tetracycline-stained teeth. Black JB. **J Am Dent Assoc** 1982 Jun;104(6):846-52

Tetracycline-induced anaphylactic shock in a dog. Ward GS, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):770-1

Intraoral fixed drug eruption following tetracycline administration. Murray VK, et al. **J Periodontol** 1982 Apr; 53(4):267-8

Long-term use of tetracycline [letter] Bhagavan BS, et al. **JAMA** 1982 May 28;247(20):2780

Transient myopathy apparently due to tetracycline [letter] Sinclair D, et al. **N Engl J Med** 1982 Sep 23;307(13):821-2

Tetracycline intravenously to cattle--cardiovascular side-effects. Smith M, et al. **Nord Vet Med** 1981 Apr-May; 33(4-5):272-3

Tetracycline antibiotics should be avoided in patients with renal disease [letter] Reddy J. **NZ Med J** 1981 Nov 25; 94(696):396

Conjunctival pigmentation associated with tetracycline medication. Brothers DM, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1212-5

Probable fixed drug eruption from contact with a patient treated with tetracycline. Fiumara NJ, et al. **Sex Transm Dis** 1981 Oct-Dec;8(4):258-9

[Effects of tetracycline on the children teeth (author's transl)] **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):206-8 **(Chi)**

[Esophageal ulceration caused by tetracycline] Skapa E, et al. **Harefuah** 1980 Dec 1;99(11):373-4 (Eng. Abstr.) **(Heb)**

[Double blind clinical trial on the use of ultra-levure in the prophylaxis of antibiotic induced gastro-intestinal and mucocutaneous disorders] Monteiro E, et al. **Acta Med Port** 1981 Mar-Apr;3(2):143-5 (Eng. Abstr.) **(Por)**

[2 cases of Lyell's syndrome after taking oletetrin and levomycetin] Mel'nikov VI. **Klin Med (Mosk)** 1982 May; 60(5):106-8 **(Rus)**

[Severe manifestations of drug allergy in children] Sukovatykh TN, et al. **Pediatriia** 1982 May;(5):76-7 **(Rus)**

[Cases of toxico-allergic hepatitis] Shugallo VT, et al. **Vrach Delo** 1981 Mar;(3):14-6 **(Rus)**

ANALYSIS

The clinical implications of epididymal levels of tetracycline. Warner JJ, et al. **Invest Urol** 1981 Sep;19(2):92-3

Bromination methods for determination of phenylephrine hydrochloride in nose drops, salicylamide in tablets, and tetracycline hydrochloride in capsules. Elsayed MA, et al. **J Assoc Off Anal Chem** 1981 Jul;64(4):860-3

Tetracycline: levels achievable in gingival crevice fluid and in vitro effect on subgingival organisms. Part I. Concentrations in crevicular fluid after repeated doses. Gordon JM, et al. **J Periodontol** 1981 Oct;52(10):609-12

Reversed-phase ion-pair chromatography of tetracycline, tetracycline analogs, and their potential impurities. Hermansson J, et al. **J Pharm Sci** 1982 Feb;71(2):222-9

[Study of the stability in methanolic solution of tetracycline hydrochloride and some analogues (author's transl)] Dihuidi K, et al. **J Pharm Belg** 1982 Jan-Feb;37(1):35-46 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Display of maturation cycles in rat incisor enamel with tetracycline labelling. Boyde A, et al. **Histochemistry** 1981; 72(4):551-61

Increased bone apposition in primary hyperparathyroidism: measurements based on short interval tetracycline labeling of bone. Tam CS, et al. **Metabolism** 1982 Aug;31(8):759-65

Estimation of infarct size by determination of myocardial 3H-tetracycline accumulation in the coronary ligated rat. Modrak JB, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):149-52

[Luminescence endoscopy in the diagnosis of stomach diseases] Lisovskii VA, et al. **Sov Med** 1982;(2):54-9 (Eng. Abstr.) **(Rus)**

HISTORY

Tetracycline-labeled human bone from a medieval population in Nubia's Batn el Hajar (550-1450 A.D.). Hummert JR, et al. **Hum Biol** 1982 May;54(2):355-63

IMMUNOLOGY

[Effect of tetracycline on the immune and hematopoietic systems of intact rabbits] Stetsenko ON, et al. **Antibiotiki** 1981 Nov;26(11):856-60 (Eng. Abstr.) **(Rus)**

METABOLISM

Active uptake of tetracycline by membrane vesicles from susceptible Escherichia coli. McMurry LM, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):307-13

Prevalence of tetracycline deposits in premolar teeth extracted for orthodontic purposes. Kotsanos N. **Br Dent J** 1982 Feb 2;152(3):91-2

Photoincorporation of tetracycline into rat-liver ribosomes and subunits. Reboud AM, et al. **Eur J Biochem** 1982 May 17;124(2):389-96

Evaluation of pharmacokinetic parameters of tetracycline hydrochloride upon oral administration with vitamin C and vitamin B complex. Omray A, et al. **Hindustan Antibiot Bull** 1981;23:33-7

Tetracycline kinetics in undernourished subjects. Raghuram TC, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Sep; 19(9):409-13

[The calculation of pharmacokinetic parameters of tetracycline and the formula of correlation between blood level and urinary excretion (author's transl)] Li T, et al. **Yao Hsueh Hsueh Pao** 1981 Dec;16(12):886-91 (Eng. Abstr.) **(Chi)**

[The bioavailability of tetracycline tablets manufactured by pharmaceutical factories in China (author's transl)] Li T, et al. **Yao Hsueh Hsueh Pao** 1981 Nov;16(11):842-8 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Type 6A pneumococcus resistant to lincomycin and tetracycline, and highly resistant to erythromycin [letter] Figura N, et al. **Ann Sclavo** 1981 Jul-Aug;23(4):486-7

Resistance to tetracycline, erythromycin, and clindamycin in the Bacteroides fragilis group: inducible versus constitutive tetracycline resistance. Privitera G, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):314-20

Standardized method for determining antimicrobial susceptibility of strains of Ureaplasma urealyticum and their response to tetracycline, erythromycin, and rosaramicin. Robertson JA, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):53-8

Tetracycline resistance of Corynebacterium diphtheriae isolated from diphtheria patients in Jakarta, Indonesia. Rockhill RC, et al. **Antimicrob Agents Chemother** 1982 May;21(5):842-3

Penicillin and tetracycline resistance plasmids in Staphylococcus epidermidis. Totten PA, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):359-65

Effect of clindamycin, erythromycin, lincomycin, and tetracycline on growth and extracellular lipase production by propionibacteria in vitro. Unkles SE, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):39-43

Incidence of resistance to ampicillin, chloramphenicol, kanamycin, tetracycline and trimethoprim of Salmonella strains isolated in The Netherlands during 1975-1980. van Leeuwen WJ, et al. **Antonie Van Leeuwenhoek** 1982; 48(1):85-96

Tetracycline and minocycline treatment. Leyden JJ, et al. **Arch Dermatol** 1982 Jan;118(1):19-22

Effects of different diuretics on tetracycline-induced hyperuraemia and hypercreatininaemia in the rat. Touvay C, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):307-18

Comparative evaluation of the effects of tetracycline and doxycycline on blood and liver lipids on male and female mice. Böcker R, et al. **Arzneimittelforsch** 1981; 31(12):2118-20

Comparative evaluation of the effects of tetracycline, rolitetracycline and doxycycline on some blood parameters related to liver function. Böcker R, et al. **Arzneimittelforsch** 1982;32(3):237-41

The effect of tetracycline administration on iron absorption in mice. Djaldetti M, et al. **Biomedicine** 1981 Oct; 35(5):150-2

Evidence for conjugal transfer of a Streptococcus faecalis transposon (Tn916) from a chromosomal site in the absence of plasmid DNA. Franke AE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:77-80

Genetic organization of Tn10 and analysis of Tn10-associated excision events. Kleckner N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:225-38

Basis of transposition and gene amplification by Tn1721 and related tetracycline-resistance transposons. Schmitt R, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:59-65

Kinetic aspects of tetracycline action on the acceptor (A) site of Escherichia coli ribosomes. Semenkov YuP, et al. **FEBS Lett** 1982 Jul 19;144(1):125-9

Cloning a promoter that puts the expression of tetracycline resistance under the control of the regulatory elements of the mer operon. Bohlander FA, et al. **Gene** 1981 Dec; 15(4):395-403

Transposition of a tetracycline-resistance determinant (Tn1523) and cointegration events mediated by the pIP231 plasmid in Escherichia coli. Briaux-Gerbaud S, et al. **Gene** 1981 Nov;15(2-3):139-49

Macrolide, lincosamide, streptogramin and tetracycline transferable resistance in the Bacteroides fragilis group. Privitera G, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl D:87-94

Transferable multiple antibiotic resistance in Haemophilus influenzae. Rotimi VO, et al. **J Antimicrob Chemother** 1981 Sep;8(3):187-92

A multifunctional gene (tetR) controls Tn10-encoded tetracycline resistance. Beck CF, et al. **J Bacteriol** 1982 May;150(2):633-42

Heterogeneity of tetracycline resistance determinants in Streptococcus. Burdett V, et al. **J Bacteriol** 1982 Mar; 149(3):995-1004

Novel selection for tetracycline- or chloramphenicol-sensitive Escherichia coli. Craine BL. **J Bacteriol** 1982 Jul;151(1):487-90

Two complementation groups mediate tetracycline resistance determined by Tn10. Curiale MS, et al. **J Bacteriol** 1982 Jul;151(1):209-15

Characterization of two tetracycline resistance determinants in Streptococcus faecalis JH1. LeBlanc DJ, et al. **J Bacteriol** 1982 May;150(2):835-43

Tetracycline-inducible transfer of tetracycline resistance in Bacteroides fragilis in the absence of detectable plasmid DNA. Rashtchian A, et al. **J Bacteriol** 1982 Apr; 150(1):141-7

Homology among tet determinants in conjugative elements of streptococci. Smith MD, et al. **J Bacteriol** 1981 Oct; 148(1):232-40

Tetracycline resistance transposon Tn1721: recA-dependent gene amplification and expression of tetracycline resistance. Wiebauer K, et al. **J Bacteriol** 1981 Sep;147(3):851-9

Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. Bastin M. **J Gen Microbiol** 1981 Mar;123(Pt 1):187-91

Susceptibility of protein synthesis in Escherichia coli to tetracycline and minocycline. Chopra I, et al. **J Gen Microbiol** 1981 May;124(Pt 1):187-9

Reduced expression of Tn 10-mediated tetracycline resistance in Escherichia coli containing more than one copy of the transposon. Chopra I, et al. **J Gen Microbiol** 1981 Sep;126(Pt 1):45-54

Tetracycline: levels of achievable in gingival crevice fluid and in vitro effect on subgingival organisms. Part II. Susceptibilities of periodontal bacteria. Walker CB, et al. **J Periodontol** 1981 Oct;52(10):613-6

Plasmid-determined resistance to tetracycline. Sompolinsky D, et al. **Microbios** 1981;30(120):109-30 (43 ref.)

Tetracycline-induced mutation in cultured Chinese hamster cells. Bhattacharjee SB, et al. **Mutat Res** 1982 Jun; 101(4):329-38

Correlation of thermodynamic and genetic properties in the Tn10 encoded TET gene control region. Hillen W, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2685-700

The effects of a granular gelatin preparation on the healing of experimental bone defects. Laskin JL, et al. **Oral Surg** 1981 Jul;52(1):23-7

A stable derivative of pBR322 conferring increased tetracycline resistance and increased sensitivity to fusaric acid. Herrin GL Jr, et al. **Plasmid** 1982 May;7(3):290-3

A specific tetracycline-induced, low-molecular-weight RNA encoded by the inverted repeat of Tn10 (IS10). Schmidt FJ, et al. **Plasmid** 1981 Jul;6(1):148-50

DNase-resistant transfer of chromosomal cat and tet insertions by filter mating in Pneumococcus. Shoemaker NB, et al. **Plasmid** 1980 Jan;3(1):80-7

The effect of broad-spectrum antibiotics on warfarin excretion and metabolism in the rat. Remmel RP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):503-14

[Sensitivity of Salmonella typhi to antimicrobials used clinically] da Cunha MA, et al. **AMB** 1981 Sep;27(9):267-8 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Treating syphilis with tetracycline. Fiumara NJ. **Am Fam Physician** 1982 Jul;26(1):131-3

Antibiotic therapy of acute exacerbations of chronic bronchitis. A controlled study using tetracycline. Nicotra MB, et al. **Ann Intern Med** 1982 Jul;97(1):18-21

Mycosis fungoides responding to tetracycline and griseofulvin [letter] Thomsen K. **Br J Dermatol** 1981 Oct; 105(4):483-4

Rosaramicin and tetracycline in the treatment of non-gonococcal urethritis. A comparison of clinical and microbiological results. Darne JF, et al. **Br J Vener Dis** 1982 Apr;58(2):117-20

Effect of antibiotics in the prevention of jejunoileal bypass-induced liver dysfunction. Vanderhoof JA, et al. **Digestion** 1982;23(1):9-15

Cimetidine and tetracycline in acne [letter] Wilkin JK. **J Am Acad Dermatol** 1982 Jan;6(1):117-8

Chloramphenicol-tetracycline combination. Mukherjee BP. **J Indian Med Assoc** 1981 Apr;76(7-8):147-8

Comparative study in the treatment of acne vulgaris with cyproterone acetate, tetracycline and vitamin A acid. Kotrajaras R. **J Med Assoc Thai** 1982 Apr;65(4):198-202

Tetracycline treatment of periodontal disease in the beagle dog. I. Clinical and radiographic course over 12 months-maximal effect on rate of alveolar bone loss. Williams RC, et al. **J Periodont Res** 1981 Nov;16(6):659-65

Tetracycline treatment of periodontal disease in the beagle dog. II. The cultivable periodontal pocket flora. Williams RC, et al. **J Periodont Res** 1981 Nov;16(6):666-74

Efficacy of short course antibiotic prophylaxis in controlling cholera in contacts during epidemic. Khan MU. **J Trop Med Hyg** 1982 Feb;85(1):27-9

Salmonella livingstone salmonellosis in laboratory mice: successful containment and treatment of the disease. Simpson W, et al. **Lab Anim** 1981 Jul;15(3):261-2

Controlled trial of tetracycline prophylaxis in individuals with persistently raised Yersinia enterocolitica antibody titres [letter] Agner E, et al. **Lancet** 1981 Nov 21; 2(8256):1175

Tetracycline 'failure' in acne [letter] Cutler TP, et al. **Lancet** 1982 Feb 13;1(8268):404

Trachoma. Hoffman BF. **Mt Sinai J Med (NY)** 1982 Mar-Apr;49(2):159-61

Tetracycline and minocycline in the management of non-gonococcal urethritis: a comparison. Turnbull BC, et al. **NZ Med J** 1982 Jul 14;95(711):460-2

Psittacosis pneumonia: an unusual therapeutic response. Hollen CR, et al. **South Med J** 1982 Feb;75(2):236–7

[Contramibial. Importance in amebiasis and other protozoosis] Cadi Soussi M, et al. **Maroc Med** 1980 Dec; 2(4):427–32 (Eng. Abstr.) **(Fre)**

[Palliative treatment of malignant pleural effusions with tetracycline and sodium hydroxide (author's transl)] Engel J. **Prax Klin Pneumol** 1981 Dec;35(12):1124–8 (Eng. Abstr.) **(Ger)**

[Effect of tetracycline therapy on cyclase system in patients with acute dysentery] Tumanov FA, et al. **Ter Arkh** 1981; 53(10):76–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Hepatorenal failure induced by tetracycline in dogs with portacaval shunt. Faraj BA, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):558–63

TETRACYCLINES

Effect of antacids on the dissolution of minocycline and demethylchlortetracycline from capsules. Miyazaki S, et al. **Pharmazie** 1981;36(7):482–4

[Antibiotics and chemotherapeutic agents—from research to practice. II. Remarks for the practitioner on the characteristics of tetracyclines] Pilloud M. **Schweiz Arch Tierheilkd** 1982 Apr;124(4):179–88 (37 ref.) (Eng. Abstr.) **(Fre)**

[Synthesis of 6-thiaminocycline, a thia analogue of the antibiotic minocycline (author's transl)] Kirchlechner K, et al. **Arch Pharm (Weinheim)** 1982 Jun;315(6):519–25 **(Ger)**

ADMINISTRATION & DOSAGE

Comparison of the in vitro serum microbiological activity of a triple tetracycline tablet, 300 mg B.I.D. with oxytetracycline, 250 mg Q.I.D. Brock PG, et al. **J Int Med Res** 1981;9(5):360–4

ADVERSE EFFECTS

Hyperpigmentation associated with oral minocycline. Ridgway HA, et al. **Br J Dermatol** 1982 Jul;107(1):95–102

Drugs causing fixed drug eruptions. Shukla SR. **Dermatologica** 1981;163(2):160–3

Conjunctival pigmentation associated with tetracycline medication. Brothers DM, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1212–5

[Two cases of skin pigmentation in association with minocycline therapy (author's transl)] Leroy JP, et al. **Ann Dermatol Venereol** 1981;108(11):871–5 (Eng. Abstr.) **(Fre)**

[Vestibular-like reactions associated with minocycline (author's transl)] Garnier R, et al. **Therapie** 1981 May–Jun; 36(3):313–7 (Eng. Abstr.) **(Fre)**

[The problem of the use of antibiotics in animal production and the appearance of antibiotic-resistant bacterial strains in man] Kolb E. **Z Gesamte Inn Med** 1981 Dec 15; 36(24):945–50 (40 ref.) (Eng. Abstr.) **(Ger)**

[2 cases of hapten agranulocytosis] Dvoretskiĭ LI, et al. **Ter Arkh** 1981;53(9):142–4 **(Rus)**

ANALYSIS

Reversed-phase ion-pair chromatography of tetracycline, tetracycline analogs, and their potential impurities. Hermansson J, et al. **J Pharm Sci** 1982 Feb;71(2):222–9

[Study of the stability in methanolic solution of tetracycline hydrochloride and some analogues (author's transl)] Dihuidi K, et al. **J Pharm Belg** 1982 Jar.-Feb;37(1):35–46 (Eng. Abstr.) **(Fre)**

BLOOD

Antibiotic treatment of acute salpingitis. A study of plasma concentrations of two tetracyclines (doxycycline and lymecycline). Forslin L, et al. **Acta Obstet Gynecol Scand** 1982;61(1):59–64

CHEMICAL SYNTHESIS

Syntheses of linear tetracyclic antibiotics—tetracyclines and anthracyclines. Kametani T, et al. **Med Res Rev** 1981 Spring;1(1):23–72 (60 ref.)

DIAGNOSTIC USE

Tetracycline bone labeling: an improved technique using incident fluorescence. Canalis RF, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):160–2

The interpretation of fluorescent tetracycline markers in the diagnosis of metabolic bone diseases. Fallon MD, et al. **Hum Pathol** 1982 May;13(5):416–7

METABOLISM

Penetration of lymecycline (tetracycline) into the tissues of the Fallopian tube. Bergholm AM, et al. **Acta Obstet Gynecol Scand** 1982;61(1):47–52

Effect of monovalent cations on assimilation of tetracycline antibiotics by bacteria. Plakunov VK, et al. **Biol Bull Acad Sci Ussr** 1980 Nov–Dec;7(6):554–8

Metabolism of minocycline in humans. Nelis HJ, et al. **Drug Metab Dispos** 1982 Mar–Apr;10(2):142–6

Microbiological conversion of 4-epi-cetocycline to 2-decarboxamido-2-acetyl-4-dedimethyl-9-methyltetracy Theriault RJ, et al. **J Antibiot (Tokyo)** 1982 Mar;35(3):364–6

Unique metabolic fate of a tetracycline (minocycline) [letter] Nelis HJ, et al. **Lancet** 1981 Oct 24;2(8252):938

Minocycline. Jonas M, et al. **Ther Drug Monit** 1982; 4(2):137–45 (71 ref.)

[Minocycline and doxycycline concentrations in the serum, urine, prostatic fluid and prostatic tissue] Friesen A, et al. **Fortschr Med** 1982 Apr 8;100(13):605–8 **(Ger)**

[Tetracycline antibiotic interaction with the subcelilular fractions of rat liver homogenate] Kivman GIa, et al. **Antibiotiki** 1982 Jan;27(1):45–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Susceptibility of Mycobacterium marinum to tetracyclines and aminoglycosides. Wallace RJ Jr, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):610–2

Tetracycline and minocycline treatment. Leyden JJ, et al. **Arch Dermatol** 1982 Jan;118(1):19–22

Antitumor activity of an antibiotic identical with or closely related to xanthomycin A. Nishimura T, et al. **J Antibiot (Tokyo)** 1981 Jul;34(7):856–61

Antibacterial activity of a new thiatetracycline antibiotic, thiacycline, in comparison with tetracycline, doxycycline and minocycline. Russell AD, et al. **J Antimicrob Chemother** 1982 Jun;9(6):445–9

Susceptibility of protein synthesis in Escherichia coli to tetracycline and minocycline. Chopra I, et al. **J Gen Microbiol** 1981 May;124(Pt 1):187–9

Multiple drug-resistant Staphylococcus aureus with resistance to oxytetracycline and minocycline, an example for the distribution of a multiresistant strain-clone. Witte W, et al. **J Hyg Epidemiol Microbiol Immunol** 1982; 26(1):49–56

Escherichia coli resistant to tetracyclines and to other antibiotics in the faeces of U.K. chickens and pigs in 1980. Smith HW, et al. **J Hyg (Lond)** 1981 Dec;87(3):477–83

The tetracyclines. Cunha BA, et al. **Med Clin North Am** 1982 Jan;66(1):293–302 (50 ref.)

[Pattern of resistance development of Mycobacterium tuberculosis (H37Rv) to minocycline (author's transl)] Tsukamura M, et al. **Kekkaku** 1981 Oct;56(10):459–63 (Eng. Abstr.) **(Jpn)**

[Effect of tetracyclines on bile formation in the liver] Skakun NP, et al. **Antibiotiki** 1982 Mar;27(3):176–80 **(Rus)**

THERAPEUTIC USE

Minocycline in experimental ocular toxoplasmosis in the rabbit. Rollins DF, et al. **Am J Ophthalmol** 1982 Mar; 93(3):361–5

Scrub typhus 1980. Twartz JC. **Ann Acad Med Singapore** 1981 Jan;10(1):107–11 (40 ref.)

Therapy of cervical chlamydial infection. Brunham RC, et al. **Ann Intern Med** 1982 Aug;97(2):216–9

Clinical and microbiological study of non-gonococcal urethritis with particular reference to non-chlamydial disease. Munday PE, et al. **Br J Vener Dis** 1981 Oct; 57(5):327–33

Experimental infection with Salmonella typhimurium and tetracycline therapy. Ojeniyi AA. **Br Vet J** 1982 May–Jun; 138(3):264–70

Diagnosis and treatment of chlamydial venereal disease. Thelin I. **Infection** 1982;10 Suppl 1:S53–6

The tetracyclines in purulent exacerbations of chronic bronchitis. Pines A. **J Antimicrob Chemother** 1982 May; 9(5):333–5

Chemoprophylaxis for Neisseria meningitidis in an isolated Arctic community. Nicolle LE, et al. **J Infect Dis** 1982 Jan;145(1):103–9

Chloramphenicol, erythromycin, vancomycin, tetracyclines. Kucers A. **Lancet** 1982 Aug 21;2(8295):425–9

Tetracycline and minocycline in the management of non-gonococcal urethritis: a comparison. Turnbull BC, et al. **NZ Med J** 1982 Jul 14;95(711):460–2

Minocycline in the chemotherapy of murine toxoplasmosis. Tabbara KF, et al. **Parasitology** 1982 Apr;84(Pt 2):297–302

URINE

Unique metabolic fate of a tetracycline (minocycline) [letter] Nelis HJ, et al. **Lancet** 1981 Oct 24;2(8252):938

TETRADECANOIC ACIDS see **MYRISTIC ACIDS**

TETRADECANOYLPHORBOL ACETATE see under **PHORBOLS**

TETRAETHYL LEAD see under **ORGANOMETALLIC COMPOUNDS**

TETRAETHYLAMMONIUM COMPOUNDS

METABOLISM

Renal tubular transport and metabolism of organic cations by the rabbit. Besseghir K, et al. **Am J Physiol** 1981 Sep; 241(3):F308–14

PHARMACODYNAMICS

The effect of tetramethylammonium on single sodium channel currents. Horn R, et al. **Biophys J** 1981 Nov; 36(2):321–7

The actions of tetraethylammonium at the neuromuscular junction. Elliott RC. **Gen Pharmacol** 1982;13(1):11–4 (19 ref.)

The effects of tetraethylammonium and other agents on the potassium mechanoreceptor current in the ciliate Stylonychia. Deitmer JW. **J Exp Biol** 1982 Feb;96:239–49

Block of outward current in cardiac Purkinje fibers by injection of quaternary ammonium ions. Kass RS, et al. **J Gen Physiol** 1982 Jun;79(6):1041–63

Effects of tetraethylammonium and 4-aminopyridine upon canine sinus node. Woods WT, et al. **J Mol Cell Cardiol** 1981 Oct;13(10):889–901

The effects of 4-aminopyridine and tetraethylammonium ions on normal and demyelinated mammalian nerve fibres. Bostock H, et al. **J Physiol (Lond)** 1981;313:301–15

The effect of tetraethylammonium chloride on potassium permeability in the smooth muscle cell membrane of canine trachea. Imaizumi Y, et al. **J Physiol (Lond)** 1981 Jul; 316:33–46

Effects of 4-aminopyridine and tetraethylammonium on relaxant responses of isolated dog coronary arteries to 2-nicotinamidoethyl nitrate (SG-75). Sakanashi M, et al. **Jpn Heart J** 1982 Mar;23(2):227–33

Functional importance of sodium and potassium in the guinea pig cochlea studied with amiloride and tetraethylammonium. Salt AN, et al. **Jpn J Physiol** 1982; 32(2):219–30

Tetraethylammonium facilitates the stimulation-evoked loss of the enkephalins from the myenteric plexus of guinea-pig ileum. Corbett AD, et al. **Proc R Soc Lond [Biol]** 1981 Oct 14;213(1191):171–82

[Tetraethylammonium elimination of the depolarization of the frog olfactory nerve fibers due to adequate stimulation] Potapov AA. **Fiziol Zh SSSR** 1982 Jan;68(1):116–9 **(Rus)**

TETRAETHYLTHIURAM DISULFIDE see **DISULFIRAM**

TETRAGASTRIN see under **GASTRINS**

TETRAHYDRO-1,4-OXAZINES see **MORPHOLINES**

TETRAHYDROCANNABINOL

O-and C-D-glucosyluronic acid derivatives of delta 1-tetrahydrocannabinol: synthesis and differential behavior to beta-glucuronidase. Zehavi U, et al. **Carbohydr Res** 1981 Dec 1;98(1):143–7

Neurochemical and behavioural correlates of the interaction between amphetamine and delta 9-tetrahydrocannabinol in the rat. Lew EO, et al. **Drug Alcohol Depend** 1981 Sep; 8(2):93–101

Inheritance of delta 9-tetrahydrocannabinol seizure susceptibility in rabbits. Fish BS, et al. **J Hered** 1981 May–Jun;72(3):215–6

ADMINISTRATION & DOSAGE

Cannabis and cancer chemotherapy: a comparison of oral delta-9-THC and prochlorperazine. Ungerleider JT, et al. **Cancer** 1982 Aug 15;50(4):636–45

Interactions of delta 1-tetrahydrocannabinol with cannabinol and cannabidiol following oral administration in man. Assay of cannabinol and cannabidiol by mass fragmentography. Agurell S, et al. **Experientia** 1981 Oct 15;37(10):1090–2

ADVERSE EFFECTS

Regulation of visual attention in offspring of female monkeys treated chronically with delta 9-tetrahydrocannabinol. Golub MS, et al. **Dev Psychobiol** 1981 Dec;14(6):507–12

ANALOGS & DERIVATIVES

Nabilone and cancer chemotherapy [letter] Stark P. **Ann Intern Med** 1982 Jan;96(1):122

Subchronic ocular and systemic toxicity of topically applied delta 9-tetrahydrocannabinol. Green K, et al. **Ann Ophthalmol** 1981 Oct;13(10):1219–22

The mass spectra of the trimethylsilyl derivatives of cis- and trans- hexahydrocannabinol and their hydroxy and acid analogues. Harvey DJ. **Biomed Mass Spectrom** 1981 Aug; 8(8):366–72

O-and C-D-glucosyluronic acid derivatives of delta 1-tetrahydrocannabinol: synthesis and differential behavior to beta-glucuronidase. Zehavi U, et al. **Carbohydr Res** 1981 Dec 1;98(1):143–7

Effects of (-)-trans- delta 9-tetrahydrocannabinol on serum prolactin in the pseudopregnant rat. Hughes CL Jr, et al. **Endocr Res Commun** 1982;9(1):25–36

Difference in tolerance development of hypothermia and pentobarbital-induced sleep prolongating effect of 11-hydroxy-delta 8-tetrahydrocannabinol and 11-oxo-delta 8-tetrahydrocannabinol in mice. Watanabe K, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):53–6

Confirmation of a tetrahydrocannabinol metabolite in urine by gas chromatography. Whiting JD, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):49–52

Semi-quantitative thin-layer mass-screening detection of 11-nor-delta 9-tetrahydrocannabinol-9-carboxylic acid in human urine. Kaistha KK, et al. **J Chromatogr** 1982 Mar

26;237(3):528–33

Marijuana metabolites in urine of man. X. Identification of marijuana use by detection of delta 9-tetrahydrocannabinol-11-oic acid using thin-layer chromatography. Kanter SL, et al. **J Chromatogr** 1982 Jan 1;234(1):201–8

Nabilone: an effective antiemetic in patients receiving cancer chemotherapy. Einhorn LH, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):64S–69S

The efficacy and safety of nabilone (a synthetic cannabinoid) in the treatment of anxiety. Fabre LF, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):377S–382S

A comparison of THC, nantradol, nabilone, and morphine in the chronic spinal dog. Gilbert PE. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):311S–319S

Single-dose study of nabilone in anxious volunteers. Glass RM, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):383S–396S

Antiemetic activity of N-methyllevonantradol and nabilone in cisplatin-treated cats. McCarthy LE, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):30S–37S

Identification and determination of 11-oxo-delta8-tetrahydrocannabinol as an intermediate metabolite of delta8-tetrahydrocannabinol in the mouse brain and liver. Watanabe K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):686–91

The dimethylheptyl derivative of (–)-delta 8-tetrahydrocannabinol reduces the turnover rate of gamma-aminobutyric acid in the septum and nucleus accumbens. Revuelta AV, et al. **Life Sci** 1982 May 24; 30(21):1841–6

Simultaneous reduction in the turnover rates of septal gamma-aminobutyric acid and hippocampal acetylcholine following administration of nabilone. Revuelta AV, et al. **Neuropharmacology** 1981 Nov;20(11):1111–4

Orthostatic hypotension after delta 9-tetrahydrocannabinol marihuana inhalation. Merritt JC, et al. **Ophthalmic Res** 1982;14(2):124–8

A repeated test procedure to assess onset and duration of the cue properties of (–) delta 9-THC, (–) delta 8-THC-DMH and (+) delta 8-THC. Järbe TU, et al. **Psychopharmacology (Berlin)** 1981;75(2):152–7

ANALYSIS

Sedative activity of cannabis in relation to its delta'-trans-tetrahydrocannabinol and cannabidiol content. Pickens JT. **Br J Pharmacol** 1981 Apr;72(4):649–56

Variation in the THC content in illicitly imported Cannabis products. Baker PB, et al. **Bull Narc** 1980;32(4):47–54

Presence of delta9-tetrahydrocannabinol in huma milk [letter] Perez-Reyes M, et al. **N Engl J Med** 1982 Sep 23; 307(13):819–20

ANTAGONISTS & INHIBITORS

Prostaglandins and cannabis—XI. Inhibition of delta 1-tetrahydrocannabinol-induced hypotension by aspirin. Burstein S, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):591–2

Neurochemical and behavioural correlates of the interaction between amphetamine and delta 9-tetrahydrocannabinol in the rat. Lew EO, et al. **Drug Alcohol Depend** 1981 Sep; 8(2):93–101

BLOOD

Single dose kinetics of deuterium labelled delta 1-tetrahydrocannabinol in heavy and light cannabis users. Ohlsson A, et al. **Biomed Mass Spectrom** 1982 Jan;9(1):6–10

Detection of tetrahydrocannabinol in blood [letter] Gross SJ. **J Anal Toxicol** 1981 Sep–Oct;5(5):257–8

Do plasma concentrations of delta 9-tetrahydrocannabinol reflect the degree of intoxication? Hollister LE, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):171S–177S

METABOLISM

The mass spectra of the trimethylsilyl derivatives of the hydroxy and acid metabolites of delta 1- and delta 6-tetrahydrocannabinol. Harvey DJ. **Biomed Mass Spectrom** 1981 Dec;8(12):579–88

The metabolism of delta 9-tetrahydrocannabinol and related cannabinoids in man. Wall ME, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):178S–189S

Identification and determination of 11-oxo-delta8-tetrahydrocannabinol as an intermediate metabolite of delta8-tetrahydrocannabinol in the mouse brain and liver. Watanabe K, et al. **J Pharmacobiodyn** 1980 Dec;3(12):686–91

In vitro and in vivo interactions of delta 8-tetra-hydrocannabinol and its metabolites with hepatic microsomal drug metabolizing enzyme systems of mice. Watanabe K, et al. **J Pharmacobiodyn** 1981 Aug;4(8):604–11

Evidence that cannabidiol does not significantly alter the pharmacokinetics of tetrahydrocannabinol in man. Hunt CA, et al. **J Pharmacokinet Biopharm** 1981 Jun;9(3):245–60

PHARMACODYNAMICS

Perspectives on marijuana use and abuse and recommendations for preventing abuse. Carroll JF. **Am J Drug Alcohol Abuse** 1981;8(3):259–82 (44 ref.)

Delta-9-tetrahydrocannabinol: its effect on hypothalamo-pituitary system in male rats. Chakravarty I, et al. **Arch Androl** 1982 Feb;8(1):25–7

Vasoconstriction induced by delta 9-tetrahydrocannabinol on the perfused rabbit ear artery. Barbosa PP, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):253–61

Ocular effects of topical administration of delta 9-tetrahydrocannabinol in man. Green K, et al. **Arch Ophthalmol** 1982 Feb;100(2):265–7

The seed and the soil: effect of dosage, personality and starting state on the response to delta 9 tetrahydrocannabinol in man. Ashton H, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):705–20

Alteration in the level of endogenous hypothalamic prostaglandins induced by delta 9-tetrahydrocannabinol in the rat. Coupar IM, et al. **Br J Pharmacol** 1982 May; 76(1):115–9

delta 9-THC and 17-beta-estradiol in hippocampus. Foy MR, et al. **Brain Res Bull** 1982 Apr;8(4):341–5

Changes in hippocampal CA1 population spikes following administration of delta-9-THC. Weisz DJ, et al. **Brain Res Bull** 1982 Feb;8(2):155–62

Effect of delta 9-tetrahydrocannabinol on cyclic nucleotides in synchronously dividing Tetrahymena. Zimmerman S, et al. **Can J Biochem** 1981 Jul;59(7):489–93

Corticotrophin and corticosterone secretion following delta 1-Tetrahydrocannabinol, in intact and in hypothalamic deafferentated male rats. Puder M, et al. **Exp Brain Res** 1982;46(1):85–8

THC effects on fructose utilization and sperm motility [letter] Husain S. **Fertil Steril** 1982 Mar;37(3):448

Cannabichromene and delta 9-tetrahydrocannabinol: interactions relative to lethality, hypothermia and hexobarbital hypnosis. Hatoum NS, et al. **Gen Pharmacol** 1981;12(5):357–62

Delta-9-tetrahydrocannabinol & lung surfactant of rat. Bhattacharyya B, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):371–2

Effect of delta 9-tetrahydrocannabinol on monoamine oxidase activity in bovine eye tissues, in vitro. Gawienowski AM, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):482–5

Mydriasis induced by tetrahydrocannabinol (THC) in rats. Korczyn AD, et al. **Invest Ophthalmol Vis Sci** 1982 Mar; 22(3):408–10

Gas chromatographic and mass spectrometric studies on the metabolism and pharmacokinetics of delta 1-tetrahydrocannabinol in the rabbit. Harvey DJ, et al. **J Chromatogr** 1982 Apr 30;239:243–50

Discriminative stimulus properties of delta 9-tetrahydrocannabinol: mechanistic studies. Browne RG, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):227S–234S

A comparison of THC, nantradol, nabilone, and morphine in the chronic spinal dog. Gilbert PE. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):311S–319S

Physiologic observations in a controlled clinical trial of the antiemetic effectiveness of 5, 10, and 15 mg of delta 9-tetrahydrocannabinol in cancer chemotherapy. Ophthalmologic implications. Levitt M, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):103S–109S

Topical delta 9-tetrahydrocannabinol and aqueous dynamics in glaucoma. Merritt JC, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):467S–471S

Initial observations on the effects of delta 9-tetrahydrocannabinol on the plasma pharmacokinetics of cyclophosphamide and doxorubicin. Riggs CE Jr, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):90S–98S

Involvement of brain monoamines in the delta-9-tetrahydrocannabinol-induced reduction of hippocampal choline uptake. Lindamood C 3d, et al. **J Neurochem** 1981 Sep;37(3):788–91

delta 9-Tetrahydrocannabinol inhibits human sperm motility. Hong CY, et al. **J Pharm Pharmacol** 1981 Nov;33(11):746–7

Time-course of the effects of chronic delta 9-tetrahydrocannabinol on behaviour, body temperature, brain amines and withdrawal-like behaviour in the rat. Taylor DA, et al. **J Pharm Pharmacol** 1982 Apr;34(4):240–5

Effect of delta9-tetrahydrocannabinol on the synthesis of dopamine and norepinephrine in mouse brain synaptosomes. Bloom AS. **J Pharmacol Exp Ther** 1982 Apr; 221(1):97–103

Interaction between impulse-flow and delta 9-tetrahydrocannabinol within the septal-hippocampal cholinergic pathway of rat brain. Lindamood C 3d, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):580–4

Behavioral comparisons of the stereoisomers of tetrahydrocannabinols. Martin BR, et al. **Life Sci** 1981 Aug 10;29(6):565–74

Potentials evoked in the intermediolateral column by hypothalamic stimulation – suppression by delta 9-tetrahydrocannabinol. Schmeling WT, et al. **Life Sci** 1981 Aug 17;29(7):673–80

Response of rhesus monkey lymphocytes to short-term administration of THC. Silverman AY, et al. **Life Sci** 1982 Jan 4;30(1):107–15

Rabbit behavioral model of marijuana psychoactivity in humans. Consroe P, et al. **Med Hypotheses** 1981 Aug; 7(8):1079–90

Central excitatory properties of delta 9-tetrahydrocannabinol and its metabolites in iron-induced epileptic rats. Turkanis SA, et al. **Neuropharmacology** 1982 Jan;21(1):7–13

Effects of marihuana cannabinoids on seizure activity in cobalt-epileptic rats. Colasanti BK, et al. **Pharmacol Biochem Behav** 1982 Apr;16(4):573–8

A novel female influences delta 9-THC effects on plasma hormone levels in male mice. Dalterio S, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):281–4

Tetrahydrocannabinol potentiates reserpine-induced hypokinesia. Moss DE, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):779–83

Inhibitory effects of delta 9-tetrahydrocannabinol on glycolytic substrates in the rat testis. Husain S, et al. **Pharmacology** 1981;23(2):102–12

Adrenalectomy reverses the effects of delta-9-THC on mouse brain 5-hydroxytryptamine turnover. Johnson KM, et al. **Pharmacology** 1981;23(4):223–9

Marihuana and alcohol: perinatal effects on development of male reproductive functions in mice. Dalterio S, et al. **Prog Biochem Pharmacol** 1981;18:143–54

Effects of chronic delta 9-tetrahydrocannabinol administration on schedule-controlled behavior of pigeons: cross-tolerance to pentobarbital and barbital. Chait LD, et al. **Psychopharmacology (Berlin)** 1981;75(1):1–4

Relationship between plasma delta-9-tetrahydrocannabinol concentration and pharmacologic effects in man. Cocchetto DM, et al. **Psychopharmacology (Berlin)** 1981;75(2):158–64

A repeated test procedure to assess onset and duration of the cue properties of (–) delta 9-THC, (–) delta 8-THC-DMH and (+) delta 8-THC. Järbe TU, et al. **Psychopharmacology (Berlin)** 1981;75(2):152–7

Excitatory and depressant effects of delta 9-tetrahydrocannabinol and cannabidiol on cortical evoked responses in the conscious rat. Turkanis SA, et al. **Psychopharmacology (Berlin)** 1981;75(3):294–8

Action of cannabidiol on the anxiety and other effects produced by delta 9-THC in normal subjects. Zuardi AW, et al. **Psychopharmacology (Berlin)** 1982;76(3):245–50

Perinatal exposure to delta 9-THC in mice: altered enkephalin and norepinephrine sensitivity in vas deferens. Dalterio S, et al. **Subst Alcohol Actions Misuse** 1980; 1(5–6):467–71

Failure of pinealectomy to affect acute changes in plasma levels of luteinizing hormone and prolactin in ovariectomized rats following delta 9-tetrahydrocannabinol administration. Johnson LY, et al. **Subst Alcohol Actions Misuse** 1980;1(4):355–9

SUPPLY & DISTRIBUTION

Mechanism for national distribution of delta 9-tetrahydrocannabinol (NSC-134454). Abraham D, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):122S–127S

THERAPEUTIC USE

Delta-9-tetrahydrocannabinol as an antiemetic. Anderson PO, et al. **Am J Hosp Pharm** 1981 May;38(5):639–46

A review of the antiemetic use of delta-9-tetrahydrocannabinol and prescribing requirements. Nyman JV, et al. **Ariz Med** 1982 Jan; 39(1):38–43

Colorado physicians and THC. **Colo Med** 1981 Mar;78(3):63

A critical review of the safety and antiemetic efficacy of delta-9-tetrahydrocannabinol. Cocchetto DM, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):867–75 (59 ref.)

The California program for the investigational use of THC and marihuana in heterogeneous populations experiencing nausea and vomiting from anticancer therapy. Dow GJ, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):128S–132S

Comparative trial of the antiemetic effects of THC and haloperidol. Neidhart JA, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):38S–42S

Antiemetic effect of delta 9-tetrahydrocannabinol in chemotherapy-associated nausea and emesis as compared to placebo and compazine. Orr LE, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):76S–80S

Treatment of human spasticity with delta 9-tetrahydrocannabinol. Petro DJ, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):413S–416S

delta 9-Tetrahydrocannabinol as an antiemetic for patients receiving cancer chemotherapy. A pilot study. Sweet DL, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):70S–75S

Marijuana. Its health hazards and therapeutic potentials. Council on Scientific Affairs. **JAMA** 1981 Oct 16; 246(16):1823–7

THC: 'transitional drug' for emesis therapy? [news] Macek C. **JAMA** 1982 May 21;247(19):2648–50, 2655

Tetrahydrocannabinol (THC) for cancer patients. A review of the National Cancer Institute program in Wisconsin. **Wis Med J** 1982 Jun;81(6):24

TOXICITY

Enzymatic changes in the male reproductive organs by delta-9-tetrahydrocannabinol. Chakravarty I. **Biochem Pharmacol** 1982 Feb 1;31(3):415–8

Behavioral pharmacology of tetrahydrocannabinol convulsions in rabbits. Consroe P, et al. **Commun Psychopharmacol** 1980;4(4):287–91

Fetal testosterone in mice: effect of gestational age and cannabinoid exposure. Dalterio S, et al. **J Endocrinol** 1981 Dec;91(3):509–14

URINE

Extraction of glucuronide metabolites of delta 9-tetrahydrocannabinol by diethyl ether. Kanter SL, et al. **J Chromatogr** 1982 Jan 1;234(1):255–60

Marijuana metabolites in urine of man. XI. Detection of unconjugated and conjugated delta 9-tetrahydrocannabinol-11-oic acid by thin-layer chromatography. Kanter SL, et al. **J Chromatogr** 1982 Jan 29;235(2):307–12

TETRAHYDROCORTISOL see under **HYDROCORTISONE**

TETRAHYDROCORTISONE see under **CORTISONE**

TETRAHYDROFOLATE DEHYDROGENASE

Nuclear magnetic resonance study of dihydrofolate reductase labeled with [gamma-13C]tryptophan. Groff JP, et al. **Biochemistry** 1981 Oct 13;20(21):6169–78

Crystal structure of avian dihydrofolate reductase containing phenyltriazine and NADPH. Volz KW, et al. **J Biol Chem** 1982 Mar 10;257(5):2528–36

ANALYSIS

Tetrahydrofolate dehydrogenase cytochemistry and classification of acute leukaemia. Nano R, et al. **Acta Haematol (Basel)** 1982;67(3):160–5

ANTAGONISTS & INHIBITORS

Inactivation of dihydrofolate reductase from Lactobacillus casei by diethyl pyrocarbonate. Daron HH, et al. **Biochemistry** 1982 Feb 16;21(4):737–41

The use of mass spectrometric data to predict biological activity. Brent DA, et al. **Biomed Mass Spectrom** 1981 Sep; 8(9):440–5

Biochemical and chemotherapeutic studies on 2,4-diamino-6-(2,5-dimethoxybenzyl)-5-methylpyrido[2,3 (BW 301U), a novel lipid-soluble inhibitor of dihydrofolate reductase. Duch DS, et al. **Cancer Res** 1982 Oct; 42(10):3987–94

Recent concepts on the mechanism of action of methotrexate. White JC. **Cancer Treat Rep** 1981;65 Suppl 1:3–12

The substituent entropy constant sigma so used in the QSAR investigation of dihydrofolate reductase inhibition by Baker triazines. Kawaki H, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):750–1

Dihydrofolate reductase inhibition. A study in the use of X-ray crystallography, molecular graphics, and quantitative structure-activity relations in drug design. Hansch C. **Drug Intell Clin Pharm** 1982 May;16(5):391–6

Antifolate effect of triamterene on human leucocytes and on a human lymphoma cell line. Schalhorn A, et al. **Eur J Clin Pharmacol** 1981;20(3):219–24

Activity of sulfa drugs and dihydrofolate reductase inhibitors against Candida albicans. Bush K, et al. **Experientia** 1982 Apr 15;38(4):436–7

Mechanism of coenzyme A inhibition of dihydrofolate reductase. Mita M, et al. **Int J Biochem** 1982;14(7):549–51

Inhibition of dihydrofolate reductase: structure-activity correlations of quinazolines based upon molecular shape analysis. Battershell C, et al. **J Med Chem** 1981 Jul; 24(7):812–8

Comparison of the inhibition of methotrexate-sensitive and -resistant Lactobacillus casei cell cultures with purified Lactobacillus casei dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(3-substituted-p Use of quantitative structure-activity relationships in making inferences about the mechanism of resistance and the structure of the enzyme is situ compared with the enzyme in vitro. Coats EA, et al. **J Med Chem** 1981 Dec; 24(12):1422–9

Comparison of the inhibition of Escherichia coli and Lactobacillus casei dihydrofolate reductase by 2,4-diamino-5-(substituted-benzyl)pyrimidines: quantitative structure-activity relationships, X-ray crystallography, and computer graphics in structure-activity analysis. Hansch C, et al. **J Med Chem** 1982 Jul;25(7):777–84

Inhibition of dihydrofolate reductase: structure-activity correlations of 2,4-diamino-5-benzylpyrimidines based upon molecular shape analysis. Hopfinger AJ. **J Med Chem** 1981 Jul;24(7):818–22

Lysine and ornithine analogues of methotrexate as inhibitors of dihydrofolate reductase. Kempton RJ, et al. **J Med Chem** 1982 Apr;25(4):475–7

Comparison of quantitative structure-activity relationships of the inhibition of leukemia cells in culture with the inhibition of dihydrofolate reductase from leukemia cells and other cell types. Khwaja TA, et al. **J Med Chem** 1982 Feb;25(2):153–6

A comparison of the inhibitory action of 5-(substituted-benzyl)-2,4-diaminopyrimidines on dihydrofolate reductase from chicken liver with that from bovine liver. Li R, et al. **J Med Chem** 1982 Apr; 25(4):435–40

Methotrexate analogues. 14. Synthesis of new gamma-substituted derivatives as dihydrofolate reductase inhibitors and potential anticancer agents. Rosowsky A, et al. **J Med Chem** 1981 Dec;24(12):1450–5

Dihydrofolate reductase inhibitors as potential drugs. McCormack JJ. **Med Res Rev** 1981 Fall;1(3):303–31 (174 ref.)

A comparison of the inhibition of bovine and murine leukemia dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(3-X-phenyl)-s Guo ZR, et al. **Mol Pharmacol** 1981 Nov;20(3):649–56

BIOSYNTHESIS

Overproduction of dihydrofolate reductase and gene amplification in methotrexate-resistant Chinese hamster ovary cells. Flintoff WF, et al. **Mol Cell Biol** 1982 Mar; 2(3):275–85

S phase-specific synthesis of dihydrofolate reductase in Chinese hamster ovary cells. Mariani BD, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4985–9

GENETICS

Multiple messenger RNAs for dihydrofolate reductase. Dolnick BJ, et al. **Arch Biochem Biophys** 1981 Sep; 210(2):691–7

Unstable amplification of an altered dihydrofolate reductase gene associated with double-minute chromosomes. Haber DA, et al. **Cell** 1981 Nov;26(3 Pt 1):355–62

Phorbol ester dramatically increases incidence of methotrexate-resistant mouse cells: possible mechanisms and relevance to tumor promotion. Varshavsky A. **Cell** 1981 Aug;25(2):561–72

Appearance of double minute chromosomes in somatic cell hybridisation experiments involving the HAT selection system. Cowell JK. **Cell Biol Int Rep** 1982 Apr;6(4):393–9

Molecular cloning of the gene for dihydrofolate reductase from Lactobacillus casei. Davies RW, et al. **Gene** 1982 Feb; 17(2):229–33

Expression of Escherichia coli trp genes and the mouse dihydrofolate reductase gene cloned in Bacillus subtilis. Williams DM, et al. **Gene** 1981 Dec;16(1–3):199–206

Organization of the methotrexate resistant mouse L5178YR dihydrofolate reductase gene and transformation of human HCT-8 cells by this gene. Scheer DI, et al. **Hamatol Bluttransfus** 1981;26:171–4

Cloning of dihydrofolate reductase gene of Escherichia coli K12. Iwakura M, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1205–12

On the chromatin structure of the amplified, transcriptionally active gene for dihydrofolate reductase in mouse cells. Barsoum J, et al. **J Biol Chem** 1982 May 10;257(9):5274–82

Structure of amplified normal and variant dihydrofolate reductase genes in mouse sarcoma S180 cells. Crouse GF, et al. **J Biol Chem** 1982 Jul 10;257(13):7887–97

Properties of an altered dihydrofolate reductase encoded by amplified genes in cultured mouse fibroblasts. Haber DA, et al. **J Biol Chem** 1981 Sep 25;256(18):9501–10

Nucleotide sequence surrounding multiple polyadenylation sites in the mouse dihydrofolate reductase gene. Setzer DR, et al. **J Biol Chem** 1982 May 10;257(9):5143–7

Amplification and modification of dihydrofolate reductase in Escherichia coli. Nucleotide sequence of fol genes from mutationally altered plasmids. Smith DR, et al. **J Biol Chem** 1982 Aug 10;257(15):9043–8

Amplified dihydrofolate reductase genes are located in chromosome regions containing DNA that replicates during the first half of S-phase. Kellems RE, et al. **J Cell Biol** 1982 Feb;92(2):531–9

Gene amplification accompanies low level increases in the activity of dihydrofolate reductase in antifolate-resistant Chinese hamster lung cells containing abnormally banding chromosomes. Lewis JA, et al. **J Cell Biol** 1982 Aug; 94(2):418–24

Insertion of drug resistance genes in animals. Bar-Eli M, et al. **J Cell Physiol** 1982;Suppl 1:213–7

Regulation of dihydrofolate reductase gene transcription in methotrexate-resistant mouse fibroblasts. Wu JS, et al. **J Cell Physiol** 1982 Feb;110(2):183–9

Co-expression and amplification of dihydrofolate reductase cDNA and the Escherichia coli XGPRT gene in Chinese hamster ovary cells. Ringold G, et al. **J Mol Appl Gen** 1981;1(3):165–75

Gene amplification in methotrexate-resistant mouse cells. I. DNA rearrangement accompanies dihydrofolate reductase gene amplification in a T-cell lymphoma. Tyler-Smith C, et al. **J Mol Biol** 1981 Dec 5;153(2):203–18

Relationship of amplified dihydrofolate reductase genes to double minute chromosomes in unstably resistant mouse fibroblast cell lines. Brown PC, et al. **Mol Cell Biol** 1981 Dec;1(12):1077–83

Direct demonstration of genetic alterations at the dihydrofolate reductase locus after gamma irradiation. Graf LH Jr, et al. **Mol Cell Biol** 1982 Jan;2(1):93–6

Loss and stabilization of amplified dihydrofolate reductase genes in mouse sarcoma S-180 cell lines. Kaufman RJ, et al. **Mol Cell Biol** 1981 Dec;1(12):1084–93

Amplification and loss of dihydrofolate reductase genes in a Chinese hamster ovary cell line. Kaufman RJ, et al. **Mol Cell Biol** 1981 Dec;1(12):1069–76

Control of dihydrofolate reductase messenger ribonucleic acid production. Leys EJ, et al. **Mol Cell Biol** 1981 Nov; 1(11):961–71

Glucocorticoids regulate expression of dihydrofolate reductase cDNA in mouse mammary tumour virus chimaeric plasmids. Lee F, et al. **Nature** 1981 Nov 19; 294(5838):228–32

An amplified chromosomal sequence that includes the gene for dihydrofolate reductase initiates replication within specific restriction fragments. Heintz NH, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4083–7

Methotrexate-resistant Chinese hamster ovary cells have amplified a 135-kilobase-pair region that includes the dihydrofolate reductase gene. Milbrandt JD, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6043–7

IMMUNOLOGY

A nonfunctional protein in human leukemia cells reacts with antiserum to dihydrofolate reductase from L1210 leukemia cells. Iqbal MP, et al. **Life Sci** 1981 Aug 17;29(7):689–96

ISOLATION & PURIFICATION

Isolation and characterization of dihydrofolic acid reductase from methotrexate-sensitive and -resistant human cell lines. Morandi C, et al. **J Biol Chem** 1981 Oct 10; 256(19):10169–75

METABOLISM

Interaction of the carboxamide of NADPH, with Lactobacillus casei dihydrofolate reductase. Dwivedi CM, et al. **Arch Biochem Biophys** 1982 Jan;213(1):338–40

13C NMR evidence for three slowly interconverting conformations of the dihydrofolate reductase-NADP+-folate complex. Birdsall B, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1139–44

Effect of 11-oxahomofolate and its reduced derivatives on human dihydrofolate reductase and on human cells having different amounts of dihydrofolate reductase. Domin BA, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):255–6

Negative cooperativity between folinic acid and coenzyme in their binding to Lactobacillus casei dihydrofolate reductase. Birdsall B, et al. **Biochemistry** 1981 Dec 8; 20(25):7186–95

Carbon-13 nuclear magnetic resonance study of protonation of methotrexate and aminopterin bound to dihydrofolate reductase. Cocco L, et al. **Biochemistry** 1981 Jul 7; 20(14):3972–8

Chemical mechanism of the reaction catalyzed by dihydrofolate reductase from Streptococcus faecium: pH studies and chemical modification. Williams JW, et al. **Biochemistry** 1981 Oct 13;20(21):6024–9

Characterization of the cloned Escherichia coli dihydrofolate reductase. Rood JI, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):214–8

Modification of tyrosine residues in dihydrofolate reductase from Lactobacillus casei. Rosson D, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):49–56

Reversal of resistance to methotrexate by hyperthermia in Chinese hamster ovary cells. Herman TS, et al. **Cancer Res** 1981 Oct;41(10):3840–3

Effect of malnutrition on methotrexate toxicity and tissue levels of dihydrofolate reductase in the rat. Grossie VB Jr, et al. **Cancer Treat Rep** 1982 Jan;66(1):85–9

Time-course studies on the effects of oestradiol administration on the activity of some folate-metabolizing enzymes in chicken liver. Burns RA, et al. **Comp Biochem Physiol [B]** 1982;71(3):351–5

Modulation of specific binding of Lactobacillus casei dihydrofolate reductase to DNA by folinic acid. Gronenborn AM, et al. **FEBS Lett** 1981 Oct 12;133(1):92–4

The charge state of trimethoprim bound to Lactobacillus casei dihydrofolate reductase. Roberts GC, et al. **FEBS Lett** 1981 Aug 17;131(1):85–8

Physiological and enzymatic properties of a thymidine-requiring Pediococcus cerevisiae mutant. Ariel M, et al. **J Bacteriol** 1982 May;150(2):616–22

Rapid formation of poly-gamma-glutamyl derivatives of methotrexate and their association with dihydrofolate reductase as assessed by high pressure liquid chromatography in the Ehrlich ascites tumor cell in vitro. Fry DW, et al. **J Biol Chem** 1982 Feb 25;257(4):1890–6

Properties of a methotrexate-insensitive variant of dihydrofolate reductase derived from methotrexate-resistant L5178Y cells. Goldie JH, et al. **J Biol Chem** 1981 Nov 25;256(22):11629–35

DNA binding by dihydrofolate reductase from Lactobacillus casei. Gronenborn AM, et al. **J Biol Chem** 1981 Dec 10; 256(23):12152–5

Effect of methotrexate on dihydrofolate reductase activity in methotrexate-resistant human KB cells. Domin BA, et al. **Mol Pharmacol** 1982 Mar;21(2):478–82

1H and 31P NMR characterization of two conformations of the trimethoprim-NADP+-dihydrofolate reductase complex. Gronenborn A, et al. **Mol Pharmacol** 1981 Jul; 20(1):145–53

Toxicity of methotrexate and metoprine in a dihydrofolate reductase gene-amplified mouse cell line. Hamrell M, et al. **Mol Pharmacol** 1981 Nov;20(3):637–43

Models for the binding of methotrexate to Escherichia coli dihydrofolate reductase: direct effect of carboxylate of aspartic acid 27 upon ultraviolet spectrum of methotrexate. Schlegel HB, et al. **Mol Pharmacol** 1981 Jul;20(1):154–8

Human leukemia and normal leukocytes contain a species of immunoreactive but nonfunctional dihydrofolate reductase. Rothenberg SP, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):645–9

TETRAHYDROFOLATES

Structural reassignment of the peroxide oxidation product of 5-methyl-5,6,7,8-tetrahydrofolate. Whiteley JM, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1259-65

The reaction of nitro-blue tetrazolium with d,l-L-tetrahydrofolate: The effect of pH, oxygen, formaldehyde and palladium (II). Donato H Jr, et al. **Chem Biol Interact** 1982 Mar 1;39(1):31-43

ANALYSIS

Immunoassay using 125I- or enzyme-labeled protein A and antigen-coated tubes. Gee AP, et al. **Anal Biochem** 1981 Sep 15;116(2):524-30

Enzymatic assay of 5-methyl-L-tetrahydrofolate. Kattchee PA, et al. **Anal Biochem** 1981 Nov 15;118(1):85-90

Studies on the response of Lactobacillus casei to different folate monoglutamates. Phillips DR, et al. **Br J Nutr** 1982 Mar;47(2):183-9

Ligand-binding radioassay of N5-methyltetrahydrofolate and its application to N5-formyltetrahydrofolate. da Costa M, et al. **Methods Enzymol** 1982;84 Pt D:458-63

Radioimmunoassay of methotrexate, leucovorin, and 5-methyltetrahydrofolate. Langone JJ. **Methods Enzymol** 1982;84 Pt D:409-22

BIOSYNTHESIS

Recent concepts on the mechanism of action of methotrexate. White JC. **Cancer Treat Rep** 1981;65 Suppl 1:3-12

BLOOD

Liquid-chromatographic monitoring of 5-methyltetrahydrofolate in plasma. Giulidori P, et al. **Clin Chem** 1981 Dec;27(12):2041-3

CHEMICAL SYNTHESIS

Synthesis of pseudo cofactor analogues as potential inhibitors of the folate enzymes. Temple C Jr, et al. **J Med Chem** 1982 Feb;25(2):161-6

New synthesis of N-[4-[[(2-amino-4(3H)-oxopyrido[3,2-d]pyrimidin-6-yl) acid (8-deazafolic acid) and the preparation of some 5,6,7,8-tetrahydro derivatives. Temple C Jr, et al. **J Med Chem** 1981 Oct;24(10):1254-8

METABOLISM

Relative affinity of 5,10-methylenetetrahydrofolylpolyglutamates for the Lactobacillus casei thymidylate synthetase-5-fluorodeoxyuridylate binary complex. Priest DG, et al. **Arch Biochem Biophys** 1981 Aug;210(1):118-23

Are the redox properties of tetrahydrofolate cofactors utilized in folate-dependent reactions? Matthews RG. **Fed Proc** 1982 Jul;41(9):2600-4

Synthesis of acetyl coenzyme A from carbon monoxide, methyltetrahydrofolate, and coenzyme A by enzymes from Clostridium thermoaceticum. Hu SI, et al. **J Bacteriol** 1982 Feb;149(2):440-8

Purification of five components from Clostridium thermoaceticum which catalyze synthesis of acetate from pyruvate and methyltetrahydrofolate. Properties of phosphotransacetylase. Drake HL, et al. **J Biol Chem** 1981 Nov 10;256(21):11137-44

Accumulation of 5-methyltetrahydrofolate in cobalamin-deficient L1210 mouse leukemia cells. Fujii K, et al. **J Biol Chem** 1982 Mar 10;257(5):2144-6

Folate derivatives in human cells: studies on normal and 5,10-methylenetetrahydrofolate reductase-deficient fibroblasts. Foo SK, et al. **J Nutr** 1982 Aug;112(8):1600-8

Neurotoxicity of folates: implications for vitamin B12 deficiency and Huntington's chorea. Brennan MJ, et al. **Med Hypotheses** 1981 Jul;7(7):919-29

Nitrous oxide, vitamin B12 deficiency and the methyl folate trap. **Nutr Rev** 1982 May;40(5):152-4 (9 ref.)

PHARMACODYNAMICS

The effect of tetrahydrofolate on the reduction of electron transfer flavoprotein by sarcosine and dimethylglycine dehydrogenases. Steenkamp DJ, et al. **Biochem J** 1982 Jun 1;203(3):707-15

Further studies stereospecificity at carbon 6 for membrane transport of tetrahydrofolates. Diastereoisomers of 5-methyltetrahydrofolates as competitive inhibitors of transport of methotrexate in L1210 cells. Chello PL, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1527-30

L(-)-10-Formyltetrahydrofolate is the cofactor for glycinamide ribonucleotide transformylase from chicken liver. Smith GK, et al. **Biochemistry** 1981 Jul 7; 20(14):4034-6

5-Methyltetrahydrofolate related enzymes and DNA polymerase alpha activities in bone marrow cells from patients with vitamin B12 deficient megaloblastic anemia. Kano Y, et al. **Blood** 1982 Apr;59(4):832-7

Methotrexate rescue by 5-methyltetrahydrofolate or 5-formyltetrahydrofolate in lymphoblast cell lines. Dudman NP, et al. **Cancer Res** 1982 Feb;42(2):502-7

Methyltetrahydrofolate as an antagonist of excitatory amino acids on spinal neurones. McLennan H. **Eur J Pharmacol** 1982 Apr 23;79(3-4):307-10

Failure of methyltetrahydrofolate to mimic or antagonize kainate-induced responses of spinal or trigeminal neurons. Evans RH, et al. **J Pharm Pharmacol** 1982 Mar;34(3):191-2

Electrophysiological action of kainic acid and folates in the in vitro olfactory cortex slice. Auker CR, et al. **Nature** 1982 Jun 17;297(5867):583-4

THERAPEUTIC USE

Tetrahydrofolate and hydroxocobolamin in the management of dihydropteridine reductase deficiency. Leeming RJ, et al. **J Ment Defic Res** 1982 Mar;26(Pt 1):21-5

A comparison of tetrahydrofolate and 5-formyltetrahydrofolate in correcting the impairment of thymidine synthesis in pernicious anaemia. Deacon R, et al. **Scand J Haematol** 1982 Apr;28(4):289-92

TOXICITY

Neurotoxic action of methyltetrahydrofolate in rat cerebellum unrelated to direct activation of kainate receptors. Roberts PJ, et al. **Nature** 1981 Oct 22; 293(5834):654-5

TETRAHYDROHOMOFOLIC ACID see under **HOMOFOLIC ACID**

TETRAHYDROLINOLEIC ACIDS see **STEARIC ACIDS**

TETRAHYDRONAPHTHALENES see under **NAPHTHALENES**

TETRAHYDROPAPAVEROLINE see under **PAPAVERINE**

TETRAHYDROPTEROYLGLUTAMATE METHYLTRANSFERASE see under **METHYLTRANSFERASES**

TETRAHYDROURIDINE see under **URIDINE**

TETRAHYMANOL see under **TRITERPENES**

TETRAHYMENA

ANALYSIS

Analysis of nucleotides from Tetrahymena by high-performance liquid chromatography. Reinhart MP, et al. **Anal Biochem** 1982 Jan 15;119(2):392-6

Purification and characterization of a phosphonic acid-containing glycoprotein from the cell membranes of tetrahymena. Smith JD, et al. **Arch Biochem Biophys** 1982 Feb;213(2):565-72

Properties of total and poly(A)+ RNA from exponentially growing and from resting cultures of Tetrahymena thermophila. Rinaldy AR, et al. **Exp Cell Res** 1981 Aug; 134(2):417-23

Large-scale isolation and fractionation of Tetrahymena histones. Purification of H2B and H4 histones. Nomoto M, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):719-23

A comparison of cortical proteins in Tetrahymena vorax microstomes and macrostomes. Buhse HE Jr, et al. **J Protozool** 1982 May;29(2):222-6

Nucleotide sequence of cytoplasmic initiator tRNA from Tetrahymena thermophila. Kuchino Y, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4557-62

[Calmodulin from Tetrahymena and its peculiarity (author's transl)] Nagao S, et al. **Seikagaku** 1981;53(7):535-9 (25 ref.) **(Jpn)**

CYTOLOGY

Tubulin synthesis during the synchronous cell cycle of Tetrahymena. Bird RC, et al. **Can J Biochem** 1981 Nov-Dec;59(11-12):937-43

External factors limiting the multiplication potential of Tetrahymena. Hofmann E, et al. **J Cell Sci** 1981 Aug; 50:407-18

Discontinuities and overlaps in patterning within single cells. Frankel J, et al. **Philos Trans R Soc Lond [Biol]** 1981 Oct 7;295(1078):525-38

DRUG EFFECTS

Regulation of ribosome phosphorylation and antibiotic sensitivity in Tetrahymena thermophila: A correlation. Hallberg RL, et al. **Cell** 1981 Oct;26(1 Pt 1):47-56

ENZYMOLOGY

Steady-state kinetic study of vanadate-induced inhibition of ciliary dynein adenosinetriphosphatase activity from Tetrahymena. Shimizu T. **Biochemistry** 1981 Jul 21; 20(15):4347-54

Purification and properties of galactokinase from Tetrahymena thermophila. Lavine JE, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):76-85

Sequence specificity of DNA adenine methylase in the protozoan Tetrahymena thermophila. Bromberg S, et al. **J Bacteriol** 1982 May;150(2):993-6

Binding of dynein 21 S ATPase to microtubules. Effects of ionic conditions and substrate analogs. Mitchell DR, et al. **J Biol Chem** 1981 Dec 10;256(23):12535-44

GENETICS

Allele-specific, selective amplification of a ribosomal RNA gene in Tetrahymena thermophila. Pan WC, et al. **Cell** 1982 Mar;28(3):595-604

Central hidden breaks in the cytoplasmic 26S rRNA and its nuclear precursors in Tetrahymena. Herlan G, et al. **Cell Biol Int Rep** 1981 Nov;5(11):1033-8

Further evidence for lack of gene expression in the Tetrahymena micronucleus. Mayo KA, et al. **Genetics** 1981 Aug;98(4):747-62

Tandemly repeated C-C-C-C-A-A hexanucleotide of Tetrahymena rDNA is present elsewhere in the genome and may be related to the alteration of the somatic genome. Yao MC, et al. **J Cell Biol** 1981 Aug;90(2):515-20

Elimination of specific DNA sequences from the somatic nucleus of the ciliate Tetrahymena. Yao MC. **J Cell Biol** 1982 Mar;92(3):783-9

Fertility is not a function of geographic distance in Tetrahymena. Nyberg D. **J Hered** 1981 Mar-Apr; 72(2):94-6

Sequence homology near the center of the extrachromosomal rDNA palindrome in Tetrahymena. Kan NC, et al. **J Mol Biol** 1981 Dec 25;153(4):1151-5

Selection and characterization of a glucokinase-deficient mutant of Tetrahymena thermophila. Roberts CT Jr, et al. **Mol Cell Biol** 1982 Apr;2(4):378-85

Regulation of protein synthesis in Tetrahymena: isolation and characterization of polysomes by gel filtration and precipitation at pH 5.3. Calzone FJ, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2145-61

The nucleotide sequence at the transcription termination site of the ribosomal RNA gene in Tetrahymena thermophila. Din N, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1503-13

The intervening sequence of the ribosomal RNA gene is highly conserved between two Tetrahymena species. Kan NC, et al. **Nucleic Acids Res** 1982 May 11;10(9):2809-22

The intervening sequence excised from the ribosomal RNA precursor of Tetrahymena contains a 5-terminal guanosine residue not encoded by the DNA. Zaug AJ, et al. **Nucleic Acids Res** 1982 May 11;10(9):2823-38

Phenylketonuric Tetrahymena: phenylalanine hydroxylase mutants and other tyrosine auxotrophs. Sanford YM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7614-8

Repeated hexanucleotide C-C-C-C-A-A is present near free ends of macronuclear DNA of Tetrahymena. Yao MC, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7436-9

METABOLISM

Effect of histamine and histamine antagonists on the glycogen content of Tetrahymena. Darvas Z, et al. **Acta Physiol Acad Sci Hung** 1981;58(1):9-14

Effect of a phosphonic acid analog of choline phosphate on phospholipid metabolism in Tetrahymena. Smith JD, et al. **Arch Biochem Biophys** 1982 Feb;213(2):595-601

The effect of temperature on the 1-O-alkyl content of the glycerophospholipids in Tetrahymena. Lund-Katz S, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):837-45

43Ca NMR studies of Ca2+-Tetrahymena calmodulin complexes. Shimizu T, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1112-8

Histone phosphorylation in macro- and micronuclei of Tetrahymena thermophila. Allis CD, et al. **Biochemistry** 1981 Jun 23;20(13):3828-33

Oligo(A)-stimulated Tetrahymena rDNA synthesis in vito. Ganz PR, et al. **Can J Biochem** 1981 Jun;59(6):396-403

DNA binding proteins from Tetrahymena thermophila. Tsao NN, et al. **Can J Biochem** 1982 Mar;60(3):398-407

Histamine-lectin and insulin-lectin binding site overlaps in Tetrahymena. Csaba G, et al. **Cell Mol Biol** 1982; 28(2):153-8

Wild-type and food-vacuole-less Tetrahymena thermophila. Model for iron uptake and utilization in animal cells. Suhr-Jessen PB, et al. **Exp Cell Res** 1982 Jun;139(2):457-60

Regulation of histone acetylation in Tetrahymena macro- and micronuclei. Vavra KJ, et al. **J Biol Chem** 1982 Mar 10;257(5):2591-8

Effects of cycloheximide and actinomycin D on the amino acid transport system of Tetrahymena. Blum JJ. **J Cell Physiol** 1982 Apr;111(1):104-10

Evolutionary constraints on quantitative variation and regulation of macronuclear dna content in the genus Tetrahymena. Doerder FP, et al. **J Cell Sci** 1981 Jun; 49:177-93

Replication of the extrachromosomal ribosomal RNA genes of Tetrahymena thermophilia. Cech TR, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3531-43

[Timing of macronuclear DNA synthesis in carnivorous forms of Tetrahymena paravorax] Méténier G. **Eur J Cell Biol** 1981 Jun;24(2):252-8 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Elimination of DNA sequences during macronuclear differentiation in Tetrahymena thermophila, as detected by in situ hybridization. Yokoyama RW, et al. **Chromosoma** 1982;85(1):11-22

Development of the ciliature of Tetrahymena thermophila. II. Spatial subdivision prior to cytokinesis. Frankel J, et al. **Dev Biol** 1981 Nov;88(1):39-54

Development of the ciliature of Tetrahymena thermophila. I. Temporal coordination with oral development. Nelsen

EM, et al. **Dev Biol** 1981 Nov;88(1):27-38
Conjugation in Tetrahymena thermophila. A temporal analysis of cytological stages. Martindale DW, et al. **Exp Cell Res** 1982 Jul;140(1):227-36
Division and growth kinetics of the division mutant conical of Tetrahymena. A contribution to regulation of generation time. Schäfer E, et al. **Exp Cell Res** 1982 Feb;137(2):277-84
The pre-pairing events in Tetrahymena. II. Partial loss of developmental information upon refeeding starved cells. Wellnitz WR, et al. **Exp Cell Res** 1982 Feb;137(2):317-28
A method for the immobilization of living Tetrahymena. Wolfe J, et al. **Exp Cell Res** 1981 Aug;134(2):313-7

ULTRASTRUCTURE

Studies on calmodulin isolated from Tetrahymena cilia and its localization within the cilium. Ohnishi K, et al. **Exp Cell Res** 1982 Jan;137(1):217-27
Cytoskeleton-related structures in tetrahymena thermophila: microfilaments at the apical and division-furrow rings. Jerka-Dziadosz M. **J Cell Sci** 1981 Oct;51:241-53
Alveolar sacs of Tetrahymena: ultrastructural characteristics and similarities to subsurface cisterns of muscle and nerve. Satir BH, et al. **J Cell Sci** 1982 Jun;55:13-33

TETRAHYMENA PYRIFORMIS

ANALYSIS

Somatostatin-like immunoactivity and biological activity is present in Tetrahymena pyriformis, a ciliated protozoan. Berelowitz M, et al. **Endocrinology** 1982 Jun;110(6):1939-44
Tetrahymena calmodulin. Characterization of an anti-tetrahymena calmodulin and the immunofluorescent localization in Tetrahymena. Suzuki Y, et al. **Exp Cell Res** 1982 Jan;137(1):1-14
Protein complements of 80 S ribosomal precursor particles from Tetrahymena pyriformis. Rodrigues-Pousada C, et al. **FEBS Lett** 1981 Dec 28;136(2):239-43
Subcellular distribution of calmodulin and calmodulin-binding sites in Tetrahymena pyriformis. Nagao S, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):897-9
Tetrahymena histone H2B. Complete amino acid sequence. Nomoto M, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):897-904

CYTOLOGY

cAMP uncouples DNA synthesis and cell division in Tetrahymena. Velázquez JM, et al. **Exp Cell Res** 1981 Oct; 135(2):407-11
Cycloheptaamylose-dansyl chloride complex as a fluorescent label of surface membranes in living ciliates. Wyroba E, et al. **Histochemistry** 1981 Dec;73(3):459-67

DRUG EFFECTS

Comparative studies on the photosensitizing potency of 5-methoxypsoralen and 8-methoxypsoralen as measured by cytolysis in Paramecium caudatum and Tetrahymena pyriformis, and growth inhibition and survival in Candida albicans. Young AR, et al. **Photochem Photobiol** 1982 Jan; 35(1):83-8
[Tetrahymena pyriformis GL: a test system with multiple possibilities in the screening of genotoxic substances] Lakhanisky T, et al. **Arch Belg Med Soc** 1981 Jan; 39(1):40-54 (Eng. Abstr.) **(Fre)**
[Use of the protozoan Tetrahymena pyriformis in testing for contamination of biological materials with organophosphates and carbamates] Ništiar F, et al. **Vet Med (Praha)** 1981 Nov;26(11):695-700 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Dolichyl phosphate phosphatase from Tetrahymena pyriformis. Adrian GS, et al. **Biochem J** 1981 Jul 1; 197(1):233-8
Effects of phenothiazines on the membrane-bound guanylate and adenylate cyclase in Tetrahymena pyriformis. Nagao S, et al. **Biochem Pharmacol** 1981 Oct 1;30(19):2709-12
Studies of diacylglycerol cholinephosphotransferase and diacylglycerol ethanolaminephosphotransferase activities in Tetrahymena microsomes. Kameyama Y, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):195-204
DNA polymerases of Tetrahymena pyriformis. I. Characterization of two N-ethylmaleimide-sensitive DNA polymerases from exponentially growing cells. Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):845-53
DNA polymerases of Tetrahymena pyriformis. II. Does an N-ethylmaleimide-resistant polymerase exist in Tetrahymena? Sakai A, et al. **J Biochem (Tokyo)** 1982 Mar; 91(3):855-63
Effects of inhibitors on mitochondrial adenosine triphosphatase of Tetrahymena pyriformis ST. Unitt MD, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):261-6
Biochemical characterization of secreted proteases during growth in Tetrahymena pyriformis WH-14: comparison of extracellular with intracellular proteases. Banno Y, et al. **J Protozool** 1982 Feb;29(1):91-8
Cell cycle-associated changes of guanylate cyclase activity in synchronized Tetrahymena: a possible involvement of calmodulin in its regulation. Kudo S, et al. **J Protozool** 1981 May;28(2):165-7
Demonstration and preliminary characterization of an enzyme capable of the further metabolism of the thymidine catabolite, beta-aminoisobutyric acid, in Tetrahymena pyriformis strain GL1. Niemann MA, et al. **J Protozool** 1981 Nov;28(4):447-53
Further investigations on the vanadate-induced inhibition kinetics of enzyme activity of ciliary dynein from Tetrahymena. Shimizu T. **Prog Clin Biol Res** 1982; 80:107-12
[Extraction and investigation of ATPase of Tetrahymena pyriformis cilia] Burnasheva SA, et al. **Biokhimiia** 1982 Feb; 47(2):197-205 (Eng. Abstr.) **(Rus)**

GENETICS

Histone acetylation and the deoxyribonuclease I sensitivity of the Tetrahymena ribosomal gene. Vavra KJ, et al. **Biochemistry** 1982 Apr 13;21(8):1772-81
An electron microscopic analysis of transcription of nucleolar chromatin isolated from Tetrahymena pyriformis. Borkhardt B, et al. **Chromosoma** 1981;84(1):131-43
Nuclease-sensitive regions on the extrachromosomal r-chromatin from Tetrahymena pyriformis. Borchsenius S, et al. **Eur J Biochem** 1981 Jul;117(2):245-50
Dependence of nucleus-directed rRNA synthesis upon mitochondrial protein synthesis in Tetrahymena. Ruben L, et al. **Mol Cell Biol** 1982 May;2(5):508-16
Localization of putative transcription initiation site on the cloned rDNA fragment of Tetrahymena pyriformis. Higashinakagawa T, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5905-16

GROWTH & DEVELOPMENT

Involvement of selection and amplification mechanisms in hormone receptor development in a unicellular model system. Csaba G, et al. **Biosystems** 1982;15(1):59-63
Changes in hemoprotein content in Tetrahymena pyriformis (strain NT-1) as studied by low temperature spectroscopy. Iida H, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):487-96
Kinetics of growth of the ciliate Tetrahymena pyriformis on Escherichia coli. Watson PJ, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):323-33
A comparison of growth inhibition of Tetrahymena furgasoni by C19 and C21 steroids. Lamontagne NS, et al. **J Protozool** 1982 May;29(2):239-42

METABOLISM

The metabolic role of peroxisomes in Tetrahymena. Blum JJ. **Ann NY Acad Sci** 1982;386:217-27
Ribosomal protein biosynthesis during starvation and refeeding in Tetrahymena pyriformis. Erion JL, et al. **Arch Biochem Biophys** 1981 Sep;210(2):625-32
Purification and partial characterization of cytochrome b5 from Tetrahymena pyriformis. Fukushima H, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):502-8
Preparation and partial characterization of cell-free protein-synthesizing extracts from Tetrahymena pyriformis. David ET, et al. **Biochem J** 1981 Mar 15; 194(3):761-70
Initiation of protein synthesis in cell-free extracts of Tetrahymena pyriformis. Smith KE, et al. **Biochem J** 1981 May 15;196(2):641-4
Adaptive modification of membrane lipids in Tetrahymena pyriformis during starvation. Alterations in phospholipid composition and positional distribution of fatty acyl chains. Kasai R, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):36-46
Thermal adaptation of Tetrahymena membranes with special reference to mitochondria. Role of cardiolipin in fluidity of mitochondrial membranes. Yamauchi T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):385-92
Methylation of ribosomal proteins in Tetrahymena pyriformis. Cyrne ML, et al. **Biochimie** 1981 Jul;63(7):641-4
Effect of delta 9-tetrahydrocannabinol on cyclic nucleotides in synchronously dividing Tetrahymena. Zimmerman S, et al. **Can J Biochem** 1981 Jul;59(7):489-93
Detoxication of zinc and cadmium by the freshwater protozoan Tetrahymena pyriformis. I. The effect of water hardness. Chapman G, et al. **Environ Res** 1981 Oct; 26(1):81-6
In vivo identification of Tetrahymena actin probed by DMSO induction nuclear bundles. Katsumaru H, et al. **Exp Cell Res** 1982 Feb;137(2):353-63
Effect of DDT on DNA, RNA & protein synthesis in Tetrahymena pyriformis. Saxena DM, et al. **Indian J Exp Biol** 1981 Jun;19(6):568-70
In vitro assembly and disassembly of 14-nm filament from Tetrahymena pyriformis. The protein component of 14-nm filament is a 49,000-Dalton protein. Numata O, et al. **J Biochem (Tokyo)** 1982 May;91(5):1563-73
Structure of the Tetrahymena pyriformis rRNA gene. Nucleotide sequence of the transcription initiation region. Niles EG, et al. **J Biol Chem** 1981 Dec 25;256(24):12849-56
Structure of the Tetrahymena pyriformis rRNA gene. Nucleotide sequence of the transcription termination region. Niles EG, et al. **J Biol Chem** 1981 Dec 25; 256(24):12857-60
Steric effects at C-20 and C-24 on the metabolism of sterols by Tetrahymena pyriformis. Nes WR, et al. **J Lipid Res** 1981 Jul;22(5):770-7
Growth cycle-dependent overproduction and accumulation of protoporphyrin IX in Tetrahymena: effect of heavy metals. Ruben L, et al. **J Protozool** 1982 May;29(2):233-8
The role of squalene synthetase in the inhibition of tetrahymanol biosynthesis by cholesterol in Tetrahymena pyriformis. Warburg CF, et al. **Lipids** 1982 Mar;17(3):230-4
Chromatin replication in Tetrahymena pyriformis. Annunziato AT, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:135-49
[Palindromic and repetitive sequences in initiation sites of DNA replication in Tetrahymena] Borkhsenius SN, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):816-23 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Investigation of histamine-antihistamine differentiation ability of Tetrahymena receptors, by means of lectins and antihistamine antibodies. Kovács P, et al. **Acta Biol Acad Sci Hung** 1981;32(2):111-7
Studies on thermal adaptation in Tetrahymena membrane lipids. Modification of positional distribution of phospholipid acyl chains in plasma membranes, mitochondria and microsomes. Maruyama H, et al. **Biochim Biophys Acta** 1982 May 13;711(2):229-44
Influence of methylamine on histamine-stimulated phagocytosis in the Tetrahymena. Csaba G, et al. **Cell Biol Int Rep** 1982 Jun;6(6):543
Post-translational cleavage of mucocyst precursors in Tetrahymena. Collins T, et al. **J Biol Chem** 1981 Oct 25; 256(20):10475-84
Uptake of vaccinia virus by Tetrahymena pyriformis. Pérez-Prieto S, et al. **Microbiol Esp** 1981;34:29-43

ULTRASTRUCTURE

Phase behavior of the major lipids of tetrahymena ciliary membranes. Ferguson KA, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):179-86

TETRAISOPROPYLPYROPHOSPHAMIDE see under **ORGANOPHOSPHORUS COMPOUNDS**

TETRAKAIN see **TETRACAINE**

TETRALOGY OF FALLOT

COMPLICATIONS

Aortic regurgitation in tetrad of Fallot and pulmonary atresia. Capelli H, et al. **Am J Cardiol** 1982 Jun;49(8):1979-83
Growth and development of the pulmonary vascular bed in patients with tetralogy of Fallot with or without pulmonary atresia. Rabinovitch M, et al. **Circulation** 1981 Dec;64(6):1234-49
Congenital pericardial defect with persistent left superior vena cava associated with tetralogy of fallot. Rao KS, et al. **Indian J Chest Dis Allied Sci** 1981 Oct-Dec;23(4):201-4
Retained fetal lung fluid in two neonates with congenital absence of the pulmonary valve and tetralogy of Fallot. Strife JL, et al. **Radiology** 1981 Dec;141(3):675-7
[Tetralogy of Fallot and aortic insufficiency] Vernant P, et al. **Arch Mal Coeur** 1981 May;74(5):609-14 (Eng. Abstr.) **(Fre)**
[Aneurysm of the pulmonary artery in Fallot's tetralogy] Goebel N, et al. **ROFO** 1982 Jun;136(6):725-7 **(Ger)**
[Successful total correction of a complete atrioventricular canal associated with tetralogy of Fallot (author's transl)] Kyoku I, et al. **Kyobu Geka** 1981 Feb;34(2):102-6 (Eng. Abstr.) **(Jpn)**
[Thoracic ectopic right kidney associated with Down syndrome and a serious heart abnormality] Boronat F, et al. **Actas Urol Esp** 1982 Jan-Feb;6(1):33-6 (Eng. Abstr.) **(Spa)**
[Endocardial cushion defect without ostium primum atrial septal defect associated with tetralogy of Fallot (author's transl)] Salazar J, et al. **An Esp Pediatr** 1982 May; 16(5):426-31 (Eng. Abstr.) **(Spa)**
[Fallot's syndrome with agenesis of the pulmonary valve. Surgical experience. Anatomical, clinical and angiographic correlations] Santalla A, et al. **Rev Esp Cardiol** 1981; 34(5):395-401 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Acyanotic tetralogy of Fallot. A case diagnosed at the age 56] Conte T, et al. **Boll Soc Ital Cardiol** 1980;25(3):305-9 **(Ita)**
[Tetralogy of Fallot associated with dextrocardia transformation from VSD, PH in infancy (author's transl)] Oteki H, et al. **Kyobu Geka** 1981 Oct;34(10):800-5 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Long-term administration of prostaglandin E1: report of two cases with tetralogy of Fallot and esophageal atresia. Abe K, et al. **Crit Care Med** 1982 Mar;10(3):155-8

PATHOLOGY

Double-outlet right ventricle and tetralogy of Fallot. Two distinct but not mutually exclusive entities. Edwards WD. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):418-22
Pulmonary vascular morphology in shunted and nonshunted patients with tetralogy of Fallot. Shapira N, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):650-8
The surface morphology of the infundibular muscle in

patients with tetralogy of fallot. Lee YS, et al. **Jpn Heart J** 1981 Sep;22(5):779–87

Comparisons of eccrine sweat gland anatomy in genetic, chromosomal, and other diseases, and a suggested procedure for use of sweat gland measurements in differential diagnosis. Shankle WR, et al. **Teratology** 1982 Apr;25(2):239–45

PHYSIOPATHOLOGY

Data on muscle fibre conversion and fibre splitting in man. Fekete G, et al. **Acta Physiol Acad Sci Hung** 1981; 57(2):163–70

Electrocardiogram and vectorcardiogram of the month. Johnson CD. **Bol Asoc Med PR** 1981 Jul;73(7):353–6

Systemic ventricular function in patients with tetralogy of fallot, ventricular septal defect and transposition of the great arteries repaired during infancy. Borow KM, et al. **Circulation** 1981 Nov;64(5):878–85

Lung function in tetralogy of Fallot after intracardiac repair. Wessel HU, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):616–28

Quantitative analysis of preoperative left heart volume in tetralogy of Fallot. The effect on the results and hemodynamics after total repair. Setsuie N. **Nippon Geka Hokan** 1981 May;50(3):414–25

[Significance of left atrial pressure as a postoperative hemodynamic index after total correction of tetralogy of Fallot (author's transl)] Maeda M, et al. **Kyobu Geka** 1981 Oct;34(10):743–9 (Eng. Abstr.) **(Jpn)**

[Tetralogy of Fallot in mirror-image dextrocardia and total situs inversus] Pyzik Z, et al. **Kardiol Pol** 1981; 24(11–12):799–802 **(Pol)**

[Changes in ventricular hypertrophy after the radical correction of tetralogy of Fallot based on ECG data] Mitina IN, et al. **Kardiologiia** 1982 Mar;22(3):118–9 **(Rus)**

[Functional assessment of the late results of the radical correction of tetralogy of Fallot] Goncharov AI. **Klin Khir** 1981 Jul;(7):33–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Roentgenologic differential diagnosis of tetralogy of Fallot (author's transl)] Liu YQ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):109–11 (Eng. Abstr.) **(Chi)**

[Tetralogy of Fallot in the adult] Baxley WA, et al. **Rev Esp Cardiol** 1982;35(1):1–3 **(Spa)**

SURGERY

Inadvertent division of an anomalous left anterior descending coronary artery during complete repair of tetralogy of Fallot: 22-year follow-up. Heuser RR, et al. **Am Heart J** 1982 Mar;103(3):430–2

Incidence and severity of chronic ventricular dysrhythmias after repair of tetralogy of Fallot. Kavey RE, et al. **Am Heart J** 1982 Mar;103(3):342–50

The case for preoperative coronary angiography in patients with tetralogy of Fallot and other complex congenital heart diseases. McManus BM, et al. **Am Heart J** 1982 Mar; 103(3):451–6

Second operations for pulmonary stenosis or insufficiency after repair of tetralogy of Fallot. Ebert PA. **Am J Cardiol** 1982 Sep;50(3):637–40

Correction of tetrad of Fallot with reduced incidence of right bundle branch block. Goor DA, et al. **Am J Cardiol** 1981 Nov;48(5):892–6

Palliative procedures in tetralogy of Fallot with absent pulmonary valve: a new approach. Byrne JP, et al. **Ann Thorac Surg** 1982 May;33(5):499–502

Iatrogenic right ventricular failure in tetralogy of Fallot repairs: reappraisal of a distressing problem. McFadden PM, et al. **Ann Thorac Surg** 1982 Apr;33(4):400–2

A changing policy for the surgical treatment of tetralogy of Fallot: early and late results in 235 consecutive patients. Piccoli GP, et al. **Ann Thorac Surg** 1982 Apr;33(4):365–73

Eight years' experience with intracardiac repair of tetralogy of Fallot. Early and late results in 175 consecutive patients. Hamilton DI, et al. **Br Heart J** 1981 Aug;46(2):144–51

Pregnancy after surgical correction of tetralogy of Fallot. Singh H, et al. **Br Med J [Clin Res]** 1982 Jul 17; 285(6336):168–70

Palliative surgery in tetralogy of Fallot. Stanley PH, et al. **Can J Surg** 1981 Sep;24(5):475–9

Mexiletine for ventricular arrhythmia after repair of tetralogy of Fallot [letter] Malcolm I, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1314–5

Transaortic occlusion of collateral arteries to the lung by detachable valved balloons in a patient with tetralogy of Fallot. Grinnell VS, et al. **Circulation** 1982 Jun;65(6):1276–8

Late survival and symptoms after repair of tetralogy of Fallot. Katz NM, et al. **Circulation** 1982 Feb;65(2):403–10

Reoperation after correction of tetralogy of Fallot. Uretzky G, et al. **Circulation** 1982 Aug;66(2 Pt 2):I202–8

Exercise testing and ambulatory electrocardiographic monitoring following surgical repair of tetralogy of Fallot. Irving JB, et al. **Eur Heart J** 1980 Apr;1(2):117–21

Surgical management of tetralogy of Fallot. Girinath MR, et al. **Indian J Pediatr** 1981 May–Jun;48(392):375–7

Total correction of tetralogy of Fallot. A review of 280 cases. Nandi PL, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):340–3

Early medical and surgical intervention for tetralogy of Fallot with absence of pulmonic valve. Arensman FW, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):430–6

Hypotension and bradycardia during anesthesia for tetralogy of Fallot. Safwat AM. **Middle East J Anaesthesiol** 1981 Oct;6(3):157–60

Surgical repair of tetralogy of fallot associated with unilateral anomaly of the pulmonary artery. Minami K, et al. **Nippon Geka Hokan** 1982 Jan 1;51(1):167–75

Reconstruction of the right ventricular outflow tract in patients with tetralogy of Fallot: early and late results. Abril E, et al. **Scand J Thorac Cardiovasc Surg** 1982; 16(1):33–40

Fourteen- to nineteen-year follow-up after corrective repair for tetralogy of Fallot. Wennevold A, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):41–5

Reconstruction of the right ventricular outflow tract in tetralogy of Fallot and pulmonary stenosis with a monocusp patch. Regensburger D, et al. **Thorac Cardiovasc Surg** 1981 Dec;29(6):345–7

Surgical repair of tetralogy of Fallot in adolescents and adults. Yankah AC, et al. **Thorac Cardiovasc Surg** 1982 Apr; 30(2):69–74

[Interest of checking atrial pressures in the early post-operative period after total repair of tetralogy of Fallot. Correlations between right outflow patch across the pulmonary valve, duration of artificial ventilation and hemodynamic parameters (author's transl)] Devulder JP, et al. **Anesth Analg (Paris)** 1982;38(11–12):703–6 (Eng. Abstr.) **(Fre)**

[Importance of echocardiography in the evaluation of surgical results in the tetralogy of Fallot] Bical O, et al. **Arch Mal Coeur** 1981 May;74(5):555–62 (Eng. Abstr.) **(Fre)**

[Origin of right bundle branch block after surgical correction of tetralogy of Fallot] Curien ND, et al. **Arch Mal Coeur** 1982 Apr;75(4):429–38 (Eng. Abstr.) **(Fre)**

[Tetralogy of Fallot. Surgical treatment: palliative and curative (author's transl)] Stanley P, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):3–16 (Eng. Abstr.) **(Fre)**

[Cyanogenic cardiopathies: 'What role should be given palliative or curative treatment?'] Gersbach P, et al. **Rev Med Suisse Romande** 1982 Feb;102(2):113–28 **(Fre)**

[Radical surgical correction of tetralogy of Fallot: comparison between the effects of isoproterenol in IPPV and spontaneous-ventilation after surgical treatment (author's transl)] Clementi G, et al. **G Ital Cardiol** 1981; 11(10):1472–6 (Eng. Abstr.) **(Ita)**

[Influence of the residual stenosis of right ventricular outflow tract on the hemodynamical and fluid dynamical parameters in corrective surgery for tetralogy of Fallot (author's transl)] Tsuji T, et al. **Kokyu To Junkan** 1981 Sep;29(9):977–81 (Eng. Abstr.) **(Jpn)**

[Clinical conference at the Department of Thoracic & Cardiovascular Surgery, Kansai Medical University. 1. Case of tetralogy of Fallot with Brock's operation performed 16 years ago (author's transl)] **Kyobu Geka** 1981 Jul;34(7):571–3 **(Jpn)**

[Total correction of tetralogy of Fallot in adults (author's transl)] Ishiai S, et al. **Kyobu Geka** 1982;35(1):18–22 (Eng. Abstr.) **(Jpn)**

[Corrective surgery of tetralogy of Fallot (author's transl)] Koie H, et al. **Kyobu Geka** 1981 Feb;34(2):128–32 (Eng. Abstr.) **(Jpn)**

[Reoperation after total correction of tetralogy of Fallot (author's transl)] Abe T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):1036–46 (Eng. Abstr.) **(Jpn)**

[A postoperative evaluation of Brock operation and open infundibulectomy for tetralogy of Fallot (author's transl)] Abe T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1734–42 (Eng. Abstr.) **(Jpn)**

[The Blalock-Taussig anastomoses in infancy (author's transl)] Imamura H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug; 29(8):1299–1304 (Eng. Abstr.) **(Jpn)**

[Clinical studies of the reconstruction of right ventricular outflow tract in tetralogy of Fallot; including criteria for use of transannular patching (author's transl)] Kahata O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug; 29(8):1255–62 (Eng. Abstr.) **(Jpn)**

[Experimental study of reconstruction of the right ventricular outflow tract, using a monocusp pericardial patch graft (author's transl)] Kahata O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug;29(8):1263–71 (Eng. Abstr.) **(Jpn)**

[Surgical repair of tetralogy of Fallot with pulmonary atresia in mirror image dextrocardia (author's transl)] Konishi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct; 29(10):1680–4 (Eng. Abstr.) **(Jpn)**

[Total correction of tetralogy of Fallot: operative results, surgical indication, operative procedure and postoperative management (author's transl)] Naito Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Feb;30(2):200–6 (Eng. Abstr.) **(Jpn)**

[Primary total correction of tetralogy of Fallot in less than one year of age (author's transl)] Oikawa Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Oct; 29(10):1616–24 (Eng. Abstr.) **(Jpn)**

[Hemolytic anemia after surgical correction of tetralogy of Fallot. Report of a case] Pedroso CO, et al. **Arq Bras Cardiol** 1981 Dec;37(6):477–9 (Eng. Abstr.) **(Por)**

[Use of right intrapericardial aortopulmonary anastomosis in the surgical treatment of tetralogy of Fallot patients] Bukharin VA, et al. **Grudn Khir** 1981;(6):21–8 (Eng. Abstr.) **(Rus)**

[Disorders of the conductivity and rhythm after radical correction of tetralogy of Fallot] Dzhananian VL, et al. **Grudn Khir** 1982;1:42–8 **(Rus)**

[Radical correction of Fallot's tetralogy with unfavorable coronary artery distribution] Podzolkov VP, et al. **Grudn Khir** 1982 May–Jun;(3):74–5 **(Rus)**

[Use of iodopiron for treating the suppurative wounds after heart operations] Derzhavets LKh, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):72–3 **(Rus)**

[Subclavian-pulmonary anastomosis using a ftorlon-lavsan vascular prosthesis in the surgical treatment of tetralogy of Fallot] Makhmudov MM, et al. **Klin Khir** 1981 Jul;(7):64 **(Rus)**

[Surgical treatment of the tetralogy of Fallot in the adult] Mestres CA, et al. **Rev Esp Cardiol** 1982;35(1):5–9 (Eng. Abstr.) **(Spa)**

[Tetralogy of Fallot with anastomosis of the Waterson-Cooley type. Evaluation of the development of vascular pulmonary disease] Perera C, et al. **Rev Esp Cardiol** 1981;34(1):7–10 (Eng. Abstr.) **(Spa)**

THERAPY

[Dilatation of the right-ventricular outflow route instead of vascular surgery in tetralogy of Fallot] Juszczyński M. **Kardiol Pol** 1981;24(8):587–91 **(Pol)**

VETERINARY

Tetralogy of Fallot in a heifer. Lacuata AQ, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):830–6

TETRAMETHYL ACRIDINE DIAMINE see **ACRIDINE ORANGE**

TETRAMETHYLPHENYLENEDIAMINE see under **PHENYLENEDIAMINES**

TETRAMISOLE

ADVERSE EFFECTS

[Tetramisol in anthelmintic nilverm – a professional eczematogenic agent in cattle-breeding (author's transl)] Pambor M, et al. **Dermatol Monatsschr** 1982 May; 168(5):314–6 **(Ger)**

ANALOGS & DERIVATIVES

Effects of L-bromotetramisole on phosphate transport by the proximal renal tubule: failure to demonstrate a direct involvement of alkaline phosphate. Brunette MG, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):276–81

TOXICITY

[Toxicity of 'Farmakhim' tetramisole in laboratory and farm animals] Donev B, et al. **Vet Med Nauki** 1982;19(1):70–8 (Eng. Abstr.) **(Bul)**

L-TETRAMISOLE see **LEVAMISOLE**

TETRAMON see **TETRAETHYLAMMONIUM COMPOUNDS**

TETRANITROMETHANE see under **METHANE**

TETRAPHENYLBORATE see under **BORON COMPOUNDS**

TETRAPLEGIA see **QUADRIPLEGIA**

TETRATHIONIC ACID see under **THIOSULFATES**

TETRAZOLES see under **AZOLES**

TETRAZOLIUM SALTS

Effect of phospholipids, triton X-100 and biological membranes on redox systems involving tetrazolium salt reduction. its implications for the assay of enzymatic activities. Massa EM, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1623–9

The reaction of nitro-blue tetrazolium with d,l-L-tetrahydrofolate: The effect of pH, oxygen, formaldehyde and palladium (II). Donato H Jr, et al. **Chem Biol Interact** 1982 Mar 1;39(1):31–43

Colorimetry of diaphorase in commercial preparations and clinical chemical reagents by use of tetrazolium salts. Gella FJ, et al. **Clin Chem** 1981 Oct;27(10):1686–9

Selection of optimum tetrazolium salts for use in histochemistry: the value of structure-staining correlations. Horobin RW. **Histochem J** 1982 Mar;14(2):301–10

Use of BSPT in dehydrogenase histochemistry [letter] Shannon WA Jr. **Histochem J** 1982 Jan;14(1):166–8

ANALYSIS

A rapid densitometric microassay for nitroblue tetrazolium reduction and application of the microassay to macrophages. Pick E, et al. **J Reticuloendothel Soc** 1981

Dec;30(6):581-93

DIAGNOSTIC USE

Nitroblue-tetrazolium test for the functional evaluation of phagocytic cells: a critical analysis of the methodology. Müller J, et al. **Agents Actions** 1981 Jul;11(4):384-90

An improved micromethod for evaluating the phagocytic potential of granulocytes by the nitroblue tetrazolium (NBT) slide test. Murphy KA, et al. **Am J Med Technol** 1982 Apr;48(4):271-5

Reduction capacity of nitroblue tetrazolium (NBT) of sperms from patients with fertility problems. Mercado-Pichardo E, et al. **Arch Invest Med (Mex)** 1981;12(4):499-503 **(Eng, Spa)**

Sickle cell disease and nitroblue-tetrazolium reduction by neutrophils. Satpathy B. **Indian J Pathol Microbiol** 1981 Jul;24(3):177-80

The Significance of the nitroblue-tetrazolium test in cerebrospinal fluid granulocytes in bacterial and abacterial meningitis. Kölmel HW, et al. **Infection** 1980;8(4):142-6

Rapid determination of the susceptibility of bacteria to antibiotics with Sensititre plates and nitroblue tetrazolium. Urban T, et al. **J Antimicrob Chemother** 1981 Nov; 8(5):363-9

Fibronectin increases the motility, phagocytosis and NBT (nitroblue tetrazolium)-reduction of granulocytes. Jarstrand C, et al. **J Clin Lab Immunol** 1982 May;8(1):59-63

Specific staining of the thyroid follicular cell apical membrane by nitroblue tetrazolium. van Sande J, et al. **Mol Cell Endocrinol** 1982 Apr;26(1-2):31-40

Increased epidermal DT-diaphorase activity induced by some carcinogens. A possible mechanism explaining the tetrazolium reduction test (TZT) for skin carcinogens--a preliminary report. Iversen OH, et al. **Virchows Arch [Cell Pathol]** 1981;36(2-3):133-8

[Can the nitroblue tetrazolium test detect neonatal infection? A positive experience apropos of 352 cases] Dalens B, et al. **Pediatrie** 1982 Jan-Feb;37(1):7-17 (Eng. Abstr.) **(Fre)**

[The response of neutrophils to endotoxin stimulation using the NBT test in cord blood of newborn infants] Sariaslan M, et al. **Pediatrie** 1981 Jun;36(4):271-6 (Eng. Abstr.) **(Fre)**

[Nitroblue tetrazolium reaction and phagocytosis in communicable diseases] Ferdinandy K, et al. **Orv Hetil** 1981 Nov 15;122(46):2825-6 **(Hun)**

[Nitroblue tetrazolium tests, phagocytosis and lysozyme in full-term newborn infants] Garelli S, et al. **Minerva Pediatr** 1981 Oct 15;33(19):959-63 (Eng. Abstr.) **(Ita)**

[NBT reduction and phagocytosis by human pulmonary alveolar macrophages (author's transl)] Shimada H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Mar; 19(3):162-70 (Eng. Abstr.) **(Jpn)**

[[Nitroblue tetrazolium tests of blood and synovial fluid cells in rheumatoid arthritis and osteoarthritis (author's transl)] Ishihara Y. **Nippon Seikeigeka Gakkai Zasshi** 1981 May; 55(5):485-95 (Eng. Abstr.) **(Jpn)**

[Phagocytosis, nitroblue tetrazolium dye reduction test] Matsuda J. **Rinsho Byori** 1982;Suppl 48:150-66 **(Jpn)**

[In vitro effect of the lithium on the neutrophil carbohydrate metabolism and NBT reduction (author's transl)] Iwai A, et al. **Rinsho Ketsueki** 1982 Jan;23(1):20-6 (Eng. Abstr.) **(Jpn)**

[Correlation between spontaneous NBT reduction index and the immunoglobulin level in adnexitis] Kapeć E, et al. **Wiad Lek** 1981 Jun 1;34(11):927-31 (Eng. Abstr.) **(Pol)**

[Use of the NBT test in monitoring staphylococcal infections in infants and young children] Spineanu R, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct-Dec; 29(4):363-8 **(Rum)**

[Spontaneous nitroblue tetrazolium reduction test and neutrophil alkaline phosphatase activity of the peripheral blood on pregnant and parturient women] Sulowicz W, et al. **Akush Ginekol (Mosk)** 1981 May;(5):37-8 **(Rus)**

[Use of the nitroblue tetrazolium test for diagnosing infectious complications in an oncological clinic] Sokolova EN, et al. **Lab Delo** 1981;(8):462-5 (Eng. Abstr.) **(Rus)**

[Diagnostic efficacy of spontaneous NBT-test in children with pyelonephritis] Makarova TP. **Pediatriia** 1982 Apr; (4):62-3 **(Rus)**

[Neutrophil phosphatase activity and the tetrazolium test in tuberculosis patients following pulmonary resection] Rykovskaia GI, et al. **Probl Tuberk** 1982 May;(5):64-8 **(Rus)**

[Effect of antibacterial therapy on NBT test indices in dysentery and typhoid fever] Bashirova DK, et al. **Sov Med** 1982;(2):63-6 (Eng. Abstr.) **(Rus)**

[NBT-test in infectious-allergic diseases] Paziuk EA, et al. **Ter Arkh** 1981;53(11):88-91 (Eng. Abstr.) **(Rus)**

[Value of the nitroblue tetrazolium test in evaluating the activity of chronic pyelonephritis in patients whose urinary bladder has been replaced by an intestinal transplant] Si..lykova ME. **Vestn Akad Med Nauk SSSR** 1981;(6):41-3 (Eng. Abstr.) **(Rus)**

METABOLISM

Evaluation of infectious episodes in neonates using a new procedure for the nitroblue tetrazolium test. Dalens B, et al. **Early Hum Dev** 1982 Jan;6(1):15-23

Interferon enhances NBT-reduction and phagocytosis by human monocytes. Jarstrand C, et al. **J Clin Lab Immunol** 1981 Nov;6(3):211-4

Evaluation of neonatal neutrophil function using the combined immunobead/NBT dye reduction assay. Loren AB, et al. **J Clin Lab Immunol** 1982 Jan;7(1):71-4

[Nonenzymatic models of histochemical tetrazolium reduction (author's transl)] Seidler E. **Acta Histochem (Jena)** 1982;70(2):228-43 (Eng. Abstr.) **(Ger)**

[Effect of heparin on tetrazolium dye reduction by neutrophils] Tananko EM, et al. **Lab Delo** 1981;(10):586-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Optimal concentration of iodonitrotetrazolium for the isolation of junctional fractions from rat brain. Nieto-Sampedro M, et al. **Neurochem Res** 1981 Mar; 6(3):307-20

TETRODOTOXIN

METABOLISM

Tetrodotoxin receptors in membrane fragments: purification from Electrophorus electricus electroplax and binding properties. Grünhagen HH, et al. **Biochim Biophys Acta** 1981 Apr 6;642(2):267-85

Modification of the tetrodotoxin receptor in Electrophorus electricus by phospholipase A2. Reed JK. **Biochim Biophys Acta** 1981 Aug 6;646(1):43-50

PHARMACODYNAMICS

No effect of tetrodotoxin on catecholamine release from the perfused cat adrenal gland. Blaschke E, et al. **Acta Physiol Scand** 1981 Oct;113(2):267-9

Effect of tetrodotoxin on membrane potentials and active tone in vascular smooth muscle. Lombard JH, et al. **Am J Physiol** 1982 Jun;242(6):H967-72

Tetrodotoxin affects submembranous cytoskeletal proteins in perfused squid giant axons. Baumgold J, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):653-8

Fluorescent and photoactivatable fluorescent derivatives of tetrodotoxin to probe the sodium channel of excitable membranes. Angelides KJ. **Biochemistry** 1981 Jul 7; 20(14):4107-18

Inhibitors of membrane depolarization regulate acetylcholine receptor synthesis by a calcium-dependent, cyclic nucleotide-independent mechanism. McManaman JL, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):28-35

Tetrodotoxin-sensitive protein in the extracts from excitable tissues. Malysheva MK, et al. **Biochim Biophys Acta** 1982 May 21;688(1):246-50

Divalent cations and transmitter release at low concentration of tetrodotoxin. Dascal N, et al. **Biophys J** 1981 Sep; 35(3):573-86

Ionic permeability of K, Na, and Cl in potassium-depolarized nerve. Dependency on pH, cooperative effects, and action of tetrodotoxin. Strickholm A. **Biophys J** 1981 Sep; 35(3):677-97

The actions of pentobarbitone, procaine and tetrodotoxin on synaptic transmission in the olfactory cortex of the guinea-pig. Richards CD. **Br J Pharmacol** 1982 Apr; 75(4):639-46

Action of tetrodotoxin on pacemaker conductances in Aplysia neurons. Futamachi K, et al. **Brain Res** 1982 Feb 11;233(2):424-30

Inhibition by alpha-amanitin of development of tetrodotoxin-sensitive spike induced by brain extract in cultured chick skeletal muscle cells. Kano M, et al. **Brain Res** 1982 Apr;255(4):674-8

Tetrodotoxin resistant propagation and extracellular sodium changes during spreading depression in rat cerebellum. Tobiasz C, et al. **Brain Res** 1982 Jun 10;241(2):329-33

Junctions in rat neocortical explants cultured in TTX-, GABA-, and Mg++-environments. Janka Z, et al. **Brain Res Bull** 1982 Mar;8(3):273-8

Toxin-induced activation of muscle hydrolases. Boegman RJ, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):87-91

Tetrodotoxin-resistant release of ATP from guinea-pig taenia coli and vas deferens during electrical field stimulation in the presence of luciferin-luciferase. White T, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1094-100

Response of skeletal muscle to neural application of batrachotoxin or tetrodotoxin: endocytosis of extracellular markers. Boegman RJ, et al. **Exp Neurol** 1981 Dec; 74(3):855-61

Response of rat skeletal muscle to neural application of batrachotoxin or tetrodotoxin: effect on sarcoplasmic reticulum. Wan KK, et al. **Exp Neurol** 1981 Nov; 74(2):439-46

Response of rat skeletal muscle to neural application of batrachotoxin or tetrodotoxin: effect on soluble proteins. Wan KK, et al. **Exp Neurol** 1981 Nov;74(2):447-57

Development and maintenance of tetrodotoxin-sensitive action potential in cultured skeletal muscle cells from dystrophic and normal chickens. Yamazaki S, et al. **Exp Neurol** 1981 Nov;74(2):408-18

The effect of tetrodotoxin on the synaptic and extrasynaptic membrane in frog skeletal muscle. Nasledov GA, et al. **Experientia** 1982 May 15;38(5):576-7

Human ileal ion transport in vitro: changes with electrical field stimulation and tetrodotoxin. Hubel KA, et al. **Gastroenterology** 1982 Jul;83(1 Pt 1):63-8

Tetrodotoxin block of sodium channels in rabbit Purkinje fibers. Interactions between toxin binding and channel gating. Cohen CJ, et al. **J Gen Physiol** 1981 Oct; 78(4):383-411

Effects of deuterium oxide on the rate and dissociation constants for saxitoxin and tetrodotoxin action. Voltage-clamp studies on frog myelinated nerve. Hahin R, et al. **J Gen Physiol** 1981 Aug;78(2):113-39

Regulation of myosin accumulation by muscle activity in cell culture. Strohman RC, et al. **J Muscle Res Cell Motil** 1981 Sep;2(3):269-82

Neural regulation of muscle glucose 6-phosphate dehydrogenase: effect of batrachotoxin and tetrodotoxin. Max SR, et al. **J Neurochem** 1982 Feb;38(2):386-91

Tetrodotoxin-resistant propagating action potentials in presynaptic axon of the lobster. Niwa A, et al. **J Neurophysiol** 1982 Mar;47(3):353-61

Nicotinic release of noradrenaline in the presence of tetrodotoxin from sympathetic nerve terminals in rabbit isolated atria. Sarantos-Laska C, et al. **J Pharm Pharmacol** 1981 May;33(5):315-6

Studies on the interaction of propranolol and tetrodotoxin on dV/dtmax of canine Purkinje fiber action potentials. Cordova MA, et al. **J Pharmacol Exp Ther** 1981 Oct; 219(1):187-91

Ouabain and tetrodotoxin block the myotonia of skeletal muscle induced with 20,25-diazacholesterol. D'Alonzo AJ, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):401-4

Active groups of saxitoxin and tetrodotoxin as deduced from actions of saxitoxin analogues on frog muscle and squid axon. Kao CY, et al. **J Physiol (Lond)** 1982 Feb;323:619-37

Temperature dependence of tetrodotoxin effect in squid giant axons. Sevcik C. **J Physiol (Lond)** 1982 Apr;325:187-94

Neurotoxin-induced hydrolase activity in peripheral nerve. Boegman RJ, et al. **Neurosci Lett** 1981 Jul 17;24(3):261-5

Chronic blockade of sciatic nerve transmission by tetrodotoxin does not produce central changes in the dorsal horn of the spinal cord of the rat. Wall PD, et al. **Neurosci Lett** 1982 Jun 30;30(3):315-20

Developmental properties of the fast Na+ channel in embryonic cardiac cells using neurotoxins. Renaud JF, et al. **Toxicon** 1982;20(1):17-25

Control of ionic permeability by membrane charged groups: dependency on pH, depolarization, tetrodotoxin and procaine. Strickholm A. **Ups J Med Sci** 1981;86(1):9-21

[Modeling of tetrodotoxin-sensitive structures of passive transport with planar phospholipid membranes] Sokolov IuV, et al. **Biofizika** 1982 May-Jun;27(3):430-4 (Eng. Abstr.) **(Rus)**

[Effect of yohimbine and tetrodotoxin on asymmetric displacement currents of nodes of Ranvier] Revenko SV, et al. **Neirofiziologiia** 1981;13(4):438-40 (Eng. Abstr.) **(Rus)**

TOXICITY

Nonprotein neurotoxins. Bower DJ, et al. **Clin Toxicol** 1981 Jul;18(7):813-63 (171 ref.)

TETRYLAMMONIUM see **TETRAETHYLAMMONIUM COMPOUNDS**

TEXTBOOKS see under **BOOKS**

TEXTBOOKS, PROGRAMMED see **PROGRAMMED INSTRUCTION**

TEXTILE INDUSTRY

Mortality of flax workers. Elwood PC, et al. **Br J Ind Med** 1982 Feb;39(1):18-22

A morbidity study of viscose rayon workers exposed to carbon disulphide. Sakurai H. **Br J Ind Med** 1982 Feb; 39(1):39-44

Occupational purpuric textile dermatitis from formaldehyde resins. Romaguera C, et al. **Contact Dermatitis** 1981 May; 7(3):152-3

Hearing acuity in weavers of a textile mill. Bhattacharya SK, et al. **Indian J Med Res** 1981 Nov;74:779-85

Nephrotic syndrome associated with hydrocarbon exposure. Walker JF, et al. **Ir J Med Sci** 1981 Aug;150(8):250-1

Exposure to cotton dust and respiratory disease [letter] Beck GJ, et al. **JAMA** 1982 Jan 8;247(2):175-6

The flax industry in Northern Ireland twenty years on. Elwood PC, et al. **Lancet** 1982 May 15;1(8281):1112-4

Effects of mixed cotton and synthetic fiber dusts on ventilatory capacity of textile mill workers. Parvizpour D, et al. **Med Lav** 1981 May-Jun;72(3):198-203

Evaluation of exposure of workers to glass fibres in Poland. Gościcki JW. **Med Pr** 1980;31(6):443-6

Nasal allergy in spinning mill workers and the possibility of allergenicity of chemical fibers and cotton linters. Uchikoshi S, et al. **Tokai J Exp Clin Med** 1981 Oct; 6(4):363-71

[Dust and obstructive bronchitis among flax scutchers (author's transl)] Pasquis P, et al. **Bull Eur Physiopathol Respir** 1981;17(5):837-46 (Eng. Abstr.) **(Fre)**

[Weavers' maladaptation to 3-shift work with weekly rotation] Silion I, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):95-8 (Eng. Abstr.) **(Fre)**

[Several factors conditioning adaptive and unadaptive states of weavers working in 3 shifts, with weekly rotation of shifts] Stavri G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):319-22 (Eng. Abstr.) **(Fre)**

[Long-term adaptation of weavers to 3-shift work with weekly rotation] Stavri G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):89-93 (Eng. Abstr.) **(Fre)**

[Alternating shift work and certain chronic diseases in the textile industry] Stavri G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):483-6 (Eng. Abstr.) **(Fre)**

[Ergonomic studies in a spinning mill--case study] Nemecek J, et al. **Soz Praventivmed** 1981 Jul;26(3):172-5 (Eng. Abstr.) **(Ger)**

[Textile industry and noise damage. A study in the Szeged (Peoples Republic of Hungary) textile mill] Kiss F, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):812-6 **(Ger)**

[Job qualification and rehabilitation in the textile industry] Selmeczi E. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Jan;32(1):4-7 (Eng. Abstr.) **(Ger)**

[Assessment of the environmental dustiness in the textile industry by different sampling methods] De Rosa E, et al. **Ann Ist Super Sanita** 1981;17(3):359-62 **(Ita)**

[Various methods of assessing the atmospheric dustiness in cotton mills] Patroni M, et al. **Ann Ist Super Sanita** 1981; 17(3):351-7 **(Ita)**

[Sputum cytology in a group of wool weavers] Paoletti A, et al. **Pathologica** 1981 Jan-Feb;73(1023):31-7 (Eng. Abstr.) **(Ita)**

[Arm injuries in textile industry workers] Zwierzchowski H, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(3):219-21 **(Pol)**

[Blood serum glycoproteins in men exposed to carbon disulfide] Bobnis W, et al. **Med Pr** 1980;31(6):489-92 (Eng. Abstr.) **(Pol)**

[Incidence of chronic nonspecific bronchopulmonary diseases among textile industry workers] Lukjan Z. **Med Pr** 1981; 32(3):219-26 (Eng. Abstr.) **(Pol)**

[Effect of the type of work on the correlation between the subjective and objective evaluation of the workload] Makowiec-Dąbrowska T, et al. **Med Pr** 1981;32(3):165-72 (Eng. Abstr.) **(Pol)**

[Evaluation of workload, regularity of meals, sleep time and fatigue in female workers of the textile industry] Banaszkiewicz A, et al. **Rocz Panstw Zakl Hig** 1981; 32(1):1-7 (Eng. Abstr.) **(Pol)**

[Comparative evaluation of passive and active detection in chronic bronchitis] Ionescu C, et al. **Rev Med Iaterna [Med Interna]** 1982 Jan-Mar;34(1):23-7 (Eng. Abstr.) **(Rum)**

[Pulmonary ventilatory capacity disorders among students at a textile industry professional school] Aleksandrovskaia VI. **Gig Tr Prof Zabol** 1982 Feb;(2):44-5 **(Rus)**

[Physiological and hygiene characteristics of the working conditions for workers in the main jobs of cotton gins] Amirov RO, et al. **Gig Tr Prof Zabol** 1982 May;(5):44 (Eng. Abstr.) **(Rus)**

[Physiological and hygienic characteristics of the work of female weavers in modern woolen cloth manufacture] Mikhalev SF. **Gig Tr Prof Zabol** 1982 Apr;(4):4-8 (Eng. Abstr.) **(Rus)**

[Occupational health in modern silkworm breeding] Simonovich TD, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):9-13 (Eng. Abstr.) **(Rus)**

[Functional indices of the bronchopulmonary apparatus in the workers of the spinning plant of a cotton mill] Sergeta LN, et al. **Vrach Delo** 1982 Jun;(6):100-1 **(Rus)**

STANDARDS

'Blue jeans for you, brown lung for us': OSHA's cotton dust standard. Annas GJ. **Hastings Cent Rep** 1981 Oct;11(5):15-6

TEXTILES

Effects of patching on sterilization of surgical textiles. Greene VW, et al. **AORN J** 1981 Jun;33(7):1249-61

Loss of pesticides from patches used in the field as pesticide collectors. Serat WF, et al. **Arch Environ Contam Toxicol** 1982;11(2):227-34

Effects of tampon components on growth and dissemination of Neisseria gonorrhoeae. Arko RJ, et al. **Br J Vener Dis** 1982 Apr;58(2):105-8

Cost benefit of patch testing with textile finish resins. Andersen KE, et al. **Contact Dermatitis** 1982 Jan;8(1):64-7

Occupational contact dermatitis in the workers employed in production of Texas textiles. Kieć-Swierczyńska M. **Derm Beruf Umwelt** 1982;30(2):41-3

Development of textile fabrics for surgical application. Bhuvaneshwar GS, et al. **Indian J Med Res** 1981 Oct; 74:580-5

An evaluation of mounting media for use in forensic textile fibre examination. Cook R, et al. **J Forensic Sci Soc** 1982 Jan;22(1):57-63

Non-destructive identification of textile fibres by interference microscopy. Heuse O, et al. **J Forensic Sci Soc** 1982 Apr; 22(2):103-22

Tests on a cloth impregnated with disinfectant. Babb JR, et al. **J Hosp Infect** 1981 Sep;2(3):267-72

Modification of the operating light by addition of a removable sterile drape. Moeller DR, et al. **J Oral Maxillofac Surg** 1982 Jan;40(1):62

Peritoneal responses to implanted fabrics used in operating rooms. Godleski JJ, et al. **Surgery** 1981 Nov;90(5):828-34

[Microspectralphotometric measurements of textile fibers in light] Hager W, et al. **Beitr Gerichtl Med** 1981;39:151-6 (Eng. Abstr.) **(Ger)**

[Wild silk: a strong inhalation allergen (author's transl)] Häcki M, et al. **Dtsch Med Wochenschr** 1982 Feb 5;107(5):166-9 (Eng. Abstr.) **(Ger)**

[Toxicological evaluation of new paper textile-like materials for medical use] Brodskaia Bla, et al. **Gig Sanit** 1982 Feb; (2):88-9 **(Rus)**

[Physiological and hygienic basis for the permissible inclusion of the synthetic fiber nitron in materials for children's clothing] Kaisina OV, et al. **Gig Sanit** 1982 Mar;(3):84-5 **(Rus)**

[Method of determining the antimicrobial activity of clothing fabrics] Koval'skii IuV, et al. **Gig Sanit** 1982;(1):54-6 **(Rus)**

[Bactericidal activity of different clothing fabrics and dressing materials] Umanskii SSh, et al. **Gig Sanit** 1982; (1):87-8 **(Rus)**

[Comparative toxicological evaluation of the combustion products of multicomponent textiles with a wool and synthetic fiber base] Eltingon AI, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):50-2 **(Rus)**

[Methods of determining pressure on tissues from elastic stockings used for the prevention and treatment of chronic venous diseases of the lower limbs] Filatov VN, et al. **Polim Med** 1981;11(2):95-115 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Migration of chemical substances out of polyamide textile materials] Iordanova I, et al. **Probl Khig** 1981;6:119-26 (Eng. Abstr.) **(Bul)**

STANDARDS

Proposed recommended practices for aseptic barrier materials for surgical drapes. From the Recommended Practices Subcommittee AORN. **AORN J** 1982 Apr;35(5):906-11

Evaluating surgical gowning, draping fabrics. Belkin NL. **AORN J** 1981 Sep;34(3):499-511

TFE see **POLYTETRAFLUOROETHYLENE**

THALAMIC DISEASES

CHEMICALLY INDUCED

The neurotoxicity of L-asparaginase revisited [letter] White L, et al. **J Pediatr** 1982 Sep;101(3):484-5

COMPLICATIONS

The thalamus and aphasia, including transcortical aphasia: a review. Jonas S. **J Commun Disord** 1982 Jan;15(1):31-41

Right thalamic injury, impaired visuospatial perception, and alexia. Henderson VW, et al. **Neurology (NY)** 1982 Mar; 32(3):235-40

[Speech disorders in left thalamic lesions (author's transl)] Lemaire P, et al. **Rev Med Brux** 1981 Dec;2(10):927-31 (Eng. Abstr.) **(Fre)**

[Oculocephalomotor disorders and bilateral thalamo-subthalamic infarction (author's transl)] Petit H, et al. **Rev Neurol (Paris)** 1981;137(11):709-22 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Transcortical aphasia from ischaemic infarcts of the thalamus: a report of two cases. McFarling D, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):107-12

[Thalamic tumors in children. A study of 38 cases (author's transl)] Mayer M, et al. **Arch Fr Pediatr** 1982 Feb;39(2):91-5 (Eng. Abstr.) **(Fre)**

[Motor neglect of thalamic origin: report on two cases (author's transl)] Laplane D, et al. **Rev Neurol (Paris)** 1982; 138(3):201-11 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Symmetrical infantile thalamic degeneration in two sibs. Abuelo DN, et al. **J Med Genet** 1981 Dec;18(6):448-50

PATHOLOGY

Symmetry and asymmetry in the human posterior thalamus. II. Thalamic lesions in a case of developmental dyslexia. Galaburda AM, et al. **Arch Neurol** 1982 Jun;39(6):333-6

System degeneration of the thalamus. A clinico-neuropathological study. Hori A, et al. **Arch Psychiatr Nervenkr** 1981;231(1):71-80

Experimental hemorrhagic thalamic infarction in the dog. Koshu K, et al. **Surg Neurol** 1981 Oct;16(4):274-9

[The pathological and clinical studies of hypertensive thalamic hemorrhage (author's transl)] Lin SH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):5-7 (Eng. Abstr.) **(Chi)**

PHYSIOPATHOLOGY

[Motor negligence in a case of right thalamic hematoma (author's transl)] Schott B, et al. **Rev Neurol (Paris)** 1981; 137(6-7):447-55 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Thalamic hemorrhage. A study of 23 patients with diagnosis by computed tomography. Barraquer-Bordas L, et al. **Stroke** 1981 Jul-Aug;12(4):524-7

SURGERY

Successful treatment of solitary thalamic abscess. Case report. Ercius MS, et al. **J Neurosurg** 1982 Jun;56(6):865-7

THALAMIC NUCLEI

Chronic VPM stimulation for anesthesia dolorosa following trigeminal surgery. Roldan P, et al. **Appl Neurophysiol** 1982; 45(1-2):112-3

Monopolar electrical stimulation of nucleus ventroposteromedialis thalami for postherpetic facial pain. Siegfried J. **Appl Neurophysiol** 1982;45(1-2):179-84

Clinical results and physiological basis of thalamic relay nucleus stimulation for relief of intractable pain with morphine tolerance. Tsubokawa T, et al. **Appl Neurophysiol** 1982;45(1-2):143-55

[Deep brain stimulation for relief of intractable pain. Clinical results of thalamic relay stimulation (author's transl)] Tsubokawa T, et al. **Neurol Med Chir (Tokyo)** 1982 Mar; 22(3):211-8 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

Prefrontal cortex of the mouse defined as cortical projection area of the thalamic mediodorsal nucleus. Guldin WO, et al. **Brain Behav Evol** 1981;19(3-4):93-107

On the question of the ventral intermediate nucleus in primate thalamus. A study of the lesser bushbaby, Galago senegalensis. Pearson JC, et al. **Brain Behav Evol** 1981; 19(3-4):108-25

Connections of the subthalamic nucleus in the monkey. Carpenter MB, et al. **Brain Res** 1981 Nov 9;224(1):1-29

Ascending projections to nucleus parafascicularis of the cat. Comans PE, et al. **Brain Res** 1981 Dec 28;230(1-2):337-41

On the organization of the retino-tecto-thalamo-telencephalic pathways in a Chilean rodent; the Octodon degus. Kuljis RO, et al. **Brain Res** 1982 Feb 25;234(2):189-204

Vestibulo-thalamic projection to the anterior suprasylvian cortex of the cat. Mergner T, et al. **Exp Brain Res** 1981; 44(4):455-8

Efferent connections of the pulvinar nucleus in the cat. Tekian A, et al. **J Anat** 1981 Mar;132(Pt 2):249-65

The thalamo-cortical projection of the nucleus submedius in the cat. Craig AD Jr, et al. **J Comp Neurol** 1982 Mar 20;206(1):28-48

A correlative HRP, Golgi, and EM study of the intrinsic organization of the feline dorsal column nuclei. Ellis LC Jr, et al. **J Comp Neurol** 1981 Apr 1;197(2):341-67

Orderly anomalous retinal projections to the medial geniculate, ventrobasal, and lateral posterior nuclei of the hamster. Frost DO. **J Comp Neurol** 1981 Dec 1; 203(2):227-56

Cerebellothalamic projections in the rat: an autoradiographic and degeneration study. Haroian AJ, et al. **J Comp Neurol** 1981 Apr 1;197(2):217-36

The organization of subcortical projections of the hamster's visual cortex. Lent R. **J Comp Neurol** 1982 Apr 10; 206(3):227-42

The structural organization of the ventral posterolateral nucleus in the rat. McAllister JP, et al. **J Comp Neurol** 1981 Apr 1;197(2):271-301

Projections from visual areas of the middle suprasylvian sulcus onto the lateral posterior complex and adjacent thalamic nuclei in cat. Updyke BV. **J Comp Neurol** 1981 Oct 1;201(4):477-506

Topographic organization of the brainstem afferents to the mediodorsal thalamic nucleus. Velayos JL, et al. **J Comp Neurol** 1982 Mar 20;206(1):17-27

A cytoarchitectonic study of zona incerta in the rat. Kawana E, et al. **J Hirnforsch** 1981;22(5):535-41

On the nucleus endymalis of the human thalamus. Strenge H, et al. **J Hirnforsch** 1981;22(3):243-52

Retinotopic organization of macaque pulvinar. Bender DB. **J Neurophysiol** 1981 Sep;46(3):672-93

Maturation of thalamic inputs into the associative cortical areas during postnatal ontogenesis in cats. Tolchenova GA, et al. **J Neurosci Res** 1981;6(6):709-17

Organizational details of the thalamic and cortical projections of the cat neostriatum. Gorbachevskaya AI, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):520-3

Morphological and electrophysiological evidence for axonal regeneration of axotomized cerebellothalamic neurons in kittens. Kawaguchi S, et al. **Neurosci Lett** 1981 Aug 7; 25(1):13-8

A comment on the center for vertical eye movements in the medial prerubral subthalamic region of the monkey considering some of its frontal cortical afferents. Leichnetz GR. **Neurosci Lett** 1982 May 28;30(2):95-101

Subthalamic nucleus efferent projection to the cerebral cortex. Jackson A, et al. **Neuroscience** 1981;6(11):2367-77

Synaptic terminals in the dorsal lateral geniculate nucleus from neurons of the thalamic reticular nucleus: a light and electron microscope autoradiographic study. Montero VM, et al. **Neuroscience** 1981;6(12):2561-77

A sensitive period for ganglion cell degeneration and the formation of aberrant retino-fugal connections following

tectal lesions in rats. Perry VH, et al. **Neuroscience** 1982 Mar;7(3):583–94

[Efferent and afferent connections of the nucleus lateralis posterior thalami ('pulvinar') in the albino rats (author's transl)] Schobber W. **Z Mikrosk Anat Forsch** 1981; 95(5):827–44 (Eng. Abstr.) **(Ger)**

[Thalamic and cortical connections of the globus pallidus in the cat] Makoev VU. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):5–11 (Eng. Abstr.) **(Rus)**

[Visual thalamic afferents of field 29 of the limbic cortex in the rat] Akopian EV. **Neirofiziologiia** 1982;14(2):135–9 (Eng. Abstr.) **(Rus)**

[Diencephalic afferents of the rat hippocampus] Pakhomova AS. **Neirofiziologiia** 1981;13(4):359–64 (Eng. Abstr.) **(Rus)**

[Sources of ascending afferent projections to the central field of the tegmentum mesencephali and centrum medianum thalami in the cat] Sotnichenko TS. **Neirofiziologiia** 1982; 14(2):172–8 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Ephemeral cellular segmentation in the thalamus of the neonatal rat. Ivy GO, et al. **Brain Res** 1981 Aug;254(1):1–17

Cells of different sizes in the ventral nuclei project to different layers of the somatic cortex in the cat. Penny GR, et al. **Brain Res** 1982 Jun 17;242(1):55–65

Projections from the superior colliculus and the neocortex to the pulvinar nucleus in Galago. Raczkowski D, et al. **J Comp Neurol** 1981 Aug 1;200(2):231–54

[Projections of the thalamic dorsomedial nucleus onto the prefrontal area of the cortex in Hamadryas baboons] Pavlidis TP. **Arkh Anat Gistol Embriol** 1982 May; 82(5):19–25 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Dipropylacetate-induced quasi-morphine abstinence behaviour in the rat: involvement of amygdaloid and thalamic structures. van der Laan JW, et al. **Brain Res** 1981 Dec 14;229(1):133–46

Histoenzymatic changes in the thalamic nuclei of rats intoxicated by phenyl-mercury acetate (PhMA). Wigowska-Sowińska J. **J Hirnforsch** 1981;22(5):563–71

Relative potencies of alpha-1 and alpha-2 antagonists in the locus ceruleus, dorsal raphe and dorsal lateral geniculate nuclei: an electrophysiological study. Marwaha J, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):287–93

The epileptic focus in association nuclei of the thalamus in cat. The action on the nucleus lateralis posterior of strong and mild epileptogenic drugs. Crighel E, et al. **Neurol Psychiatr (Bucur)** 1981 Apr–Jun;19(2):111–23

[Effects of intra-arterially administered capsaicinoids on vocalization in guinea pigs and medial thalamic neuronal activity in cats (author's transl)] Andoh R, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):275–83 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

Fetal and early postnatal cyto- and synaptogenesis in the suprachiasmatic nucleus of the rat hypothalamus. Koritsánszky S. **Acta Morphol Acad Sci Hung** 1981; 29(2–3):227–39

GROWTH & DEVELOPMENT

The development of the thalamic projections to layer I of the visual cortex of the rat. Parnavelas JG, et al. **Anat Embryol (Berl)** 1981;163(1):71–5

METABOLISM

Alterations in local cerebral glucose utilisation in specific thalamic nuclei following apomorphine. McCulloch J, et al. **J Cereb Blood Flow Metab** 1981;1(1):133–6

PATHOLOGY

Morphology and histochemistry of the thalamus in the course of intoxication by ethyl-mercury-p-toluenesulphanilide (EMTS). Wigowska-Sowińska J. **Acta Histochem (Jena)** 1981;69(2):187–205

Paramedian thalamic and midbrain infarct: clinical and neuropathological study. Castaigne P, et al. **Ann Neurol** 1981 Aug;10(2):127–48

[Characteristics of morphological changes in the thalamus of PT rabbits] Taraszewska A, et al. **Neuropatol Pol** 1981 Jan–Mar;19(1):33–48 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Participation of thalamic nuclei in the elaboration of conditioned avoidance reflexes of rats. VII. Lesions of the nucleus lateralis posterior. Klingberg F, et al. **Acta Biol Med Ger** 1980;39(8–9):979–81

The effect of anterior thalamic nuclei lesions upon conditioned avoidance responses in rat. Klingberg F, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(5):391–402

Effect of iontophoretic etorphine and electroacupuncture on nociceptive response from nucleus lateralis anterialis of thalamus in rabbits. He L. **Acupunct Electrother Res** 1981; 6(2–3):151–7

Cingulate cortical and anterior thalamic neuronal correlates of the overtraining reversal effect in rabbits. Orona E, et al. **Behav Brain Res** 1982 Feb;4(2):133–54

Inhibition of primate spinothalamic tract neurons by stimulation in ipsilateral or contralateral ventral posterior lateral (VPLc) thalamic nucleus. Gerhart KD, et al. **Brain Res** 1981 Dec 21;229(2):514–9

Relationships between spontaneous discharge rates and taste responses of the dog thalamic neurons. Ninomiya Y, et al. **Brain Res** 1982 Jun 17;242(1):67–76

Reticular neuron activities associated with locomotion in thalamic cats. Shimamura M, et al. **Brain Res** 1982 Jan 7;231(1):51–62

The origins of the subcortical component of the median nerve somatosensory evoked potentials. Marra TR. **Clin Electroencephalogr** 1982 Apr;13(2):116–21

Functional distinction of perigeniculate and thalamic reticular neurons in the cat. Ahlsén G, et al. **Exp Brain Res** 1982; 46(1):118–26

Parallel pathways for movement initiation of monkeys. Miller AD, et al. **Exp Brain Res** 1982;45(3):328–32

Physiologic and anatomic investigation of a visual cortical area situated in the ventral bank of the anterior ectosylvian sulcus of the cat. Mucke L, et al. **Exp Brain Res** 1982; 46(1):1–11

Visuo-limbic interactions. Evidence for a pathway from the pulvinar to the cingulate cortex. Kuljis RO, et al. **J Neurol Sci** 1981 Oct;52(1):79–84

Spinothalamic tract neurons that project to medial and/or lateral thalamic nuclei: evidence for a physiologically novel population of spinal cord neurons. Giesler GJ Jr, et al. **J Neurophysiol** 1981 Dec;46(6):1285–308

GABA in the entopeduncular nucleus and the subthalamic nucleus participates in mediating dopaminergic striatal output functions. Scheel-Krüger J, et al. **Life Sci** 1981 Oct 12;29(15):1555–62

Structure of receptive fields of cat pulvinar neurons sensitive to photic stimulation. Arutyunyan-Kozak BA, et al. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):400–5

Effect of isolated and combined stimulation of thalamic nuclei on the character of functional connections between sensomotor cortical neurons. Stashkevich IS, et al. **Neurosci Behav Physiol** 1981 May–Jun;11(3):247–53

The cortical projections of the thalamic intralaminar nuclei, as studied in cat and rat with the multiple fluorescent retrograde tracing technique. Bentivoglio M, et al. **Neurosci Lett** 1981 Oct;26(1):5–10

Convergence of input from tongue and palate to the parabrachial nucleus neurons of rats. Ogawa H, et al. **Neurosci Lett** 1982 Jan 22;28(1):9–14

Involvement of the thalamus in the reciprocal regulation of the two nigrostriatal dopaminergic pathways. Chéramy A, et al. **Neuroscience** 1981;6(12):2657–68

Role of mediodorsal thalamic nucleus in olfactory discrimination learning in rats. Slotnick BM, et al. **Science** 1981 Oct 2;214(4516):91–2

[Quantitative examinations of stellate cell types of the regio cingularis mesoneocorticalis in comparison to the adjacent regions (mesoarchicortex and neocortex) after deafferentation in the rat] Kusicka C, et al. **J Hirnforsch** 1981;22(6):591–619 (Eng. Abstr.) **(Ger)**

[Modulation of raphe-spinal neurons by supraspinal sensory system. Periaqueductal gray and thalamic relay nucleus (author's transl)] Yamamoto T, et al. **Neurol Med Chir (Tokyo)** 1982 Mar;22(3):201–10 (Eng. Abstr.) **(Jpn)**

[Reactions of cat caudate nucleus neurons to electric stimulation of paw skin and nonspecific thalamic nuclei] Berezovskii VK. **Fiziol Zh** 1981 Jul–Aug;27(4):480–4 (Eng. Abstr.) **(Rus)**

[Role of the reticular nucleus of the thalamus in synchronizing the electrical activity of the cerebral cortex] Voloshin MIa, et al. **Fiziol Zh** 1981 Jul–Aug;27(4):459–64 (Eng. Abstr.) **(Rus)**

[Effect of stimulation of nonspecific thalamic nuclei at different frequencies on the motor components of an instrumental defense reaction] Bazhenova SI, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):983–91 (Eng. Abstr.) **(Rus)**

[Effect of destruction of the ventrolateral nucleus of the thalamus on evoked potentials in the sensomotor region of the cortex in cats] Cherenkova LV, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1873–5 **(Rus)**

[Mass extracellular monosynaptic potential of synapses of a single axon in the optic thalamus of frogs upon electric stimulation of the retina] Kuras AV, et al. **Neirofiziologiia** 1981;13(6):643–6 (Eng. Abstr.) **(Rus)**

[Analysis of prolonged evoked potentials of the cerebral cortex] Labakhua TSh, et al. **Neirofiziologiia** 1982; 14(2):115–21 (Eng. Abstr.) **(Rus)**

[Nature of evoked responses of the dorsomedial nucleus of the thalamus to stimulation of the periamygdaloid cortex and anterior amygdaloid region of the rat brain] Sidorov BM, et al. **Neirofiziologiia** 1981;13(6):604–11 (Eng. Abstr.) **(Rus)**

[Structuro-functional organization of the ventrolateral nucleus of the thalamus] Cherenkova LV, et al. **Usp Fiziol Nauk** 1982 Jan–Mar;13(1):66–88 (163 ref.) **(Rus)**

[Participation of the caudate nucleus, globus pallidus and ventrolateral nucleus of thalamus in selective integrations at different stages in the development of defensive behavior] Kachalova LM. **Vestn Akad Med Nauk SSSR** 1981;(6):67–71 (Eng. Abstr.) **(Rus)**

[Effect of electric stimulation and anodal polarization of thalamic structures on behavioral responses induced by stimulation of the hypothalamus] Lomarev MP, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):480–6 **(Rus)**

[Characteristics of responses of neurons of the limbic nuclei of the thalamus. Anteroventral and anteromedial nuclei] Pakhotin PI, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug; 31(4):819–28 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the anterodorsal nucleus of the thalamus and comparative analysis of 3 limbic nuclei] Pakhotin PI, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):1038–47 (Eng. Abstr.) **(Rus)**

[Effect of the motor cortex on heterogeneous afferent flows in the mediodorsal nucleus of the thalamus] Poliakova AG. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):300–9 (Eng. Abstr.) **(Rus)**

[Spike responses of sensomotor cortex neurons to isolated and combined stimulation of thalamic nuclei] Veber NV, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):960–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Reflex suppression of evoked nociceptive responses in the parafascicular complex and posterior ventromedial nucleus of the thalamus in cats during electroacupuncture] Meizerov EE, et al. **Biull Eksp Biol Med** 1981 Aug; 92(8):12–4 (Eng. Abstr.) **(Rus)**

[Changes in pain sensitivity during electric stimulation of emotiogenic zones of the rabbit hypothalamus] Rylov AL, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):395–8 (Eng. Abstr.) **(Rus)**

[Pseudo-sensations in seizures as a symptom of subcortical epilepsy] Telegina AA. **Zh Nevropatol Psikhiatr** 1981; 81(6):831–5 (Eng. Abstr.) **(Rus)**

[Microiontophoretic analysis of the chemical sensitivity of medial thalamic and ventromedial hypothalamic neurons to acetylcholine during immobilization-induced emotional stress in the rat] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb;32(1):136–43 (Eng. Abstr.) **(Rus)**

SURGERY

Neglect after right unilateral thalamotomy. A case report. Perani D, et al. **Ital J Neurol Sci** 1982 Mar;3(1):61–4

[Effect of destruction of the ventrolateral nucleus of the thalamus on the motor analyzer] Starikov AS. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):45–51 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Anatomic demonstration of axon collaterals of the periaqueductal gray formation and the ventrobasal thalamic nuclei of both sides] Barbaresi P, et al. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2377–83 (Eng. Abstr.) **(Ita)**

THALAMUS

Initial and long-term results of deep brain stimulation for chronic intractable pain. Dieckmann G, et al. **Appl Neurophysiol** 1982;45(1–2):167–72

Results in 60 cases of deep brain stimulation for chronic intractable pain. Plotkin R. **Appl Neurophysiol** 1982; 45(1–2):173–8

Thalamic bleeding: diagnosis, course and prognosis. Piepgras U, et al. **Neuroradiology** 1981;22(2):85–91

[On a case of aphasia with thalamic lesion (author's transl)] Marconi G, et al. **Riv Patol Nerv Ment** 1981 Sep–Oct; 101(5):213–24 (54 ref.) (Eng. Abstr.) **(Ita)**

[Stereotaxic biopsy of brain tumor using computer tomography] Kandel' EI, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):3–8 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Symmetry and asymmetry in the human posterior thalamus. I. Cytoarchitectonic analysis in normal persons. Eidelberg D, et al. **Arch Neurol** 1982 Jun;39(6):325–32

Plasticity of cortico-thalamic projections and functional recovery in the unilateral detelencephalized infant rat. Neumann S, et al. **Behav Brain Res** 1982 Apr;4(4):377–88

An analysis of some thalamic projections to parietofrontal neocortex in the marsupial native cat, Dasyurus viverrinus (Dasyuridae). Haight JR, et al. **Brain Behav Evol** 1981; 19(3–4):193–204

A description of the dorsal thalamus of the marsupial native cat, Dasyurus viverrinus (Dasyuridae). Haight JR, et al. **Brain Behav Evol** 1981;19(3–4):155–79

Termination of a separate (proprioceptive?) cuneothalamic tract from external cuneate nucleus in monkey. Boivie J, et al. **Brain Res** 1981 Nov 16;224(2):235–46

A search for corticospinal collaterals to thalamus and mesencephalon by means of multiple retrograde fluorescent tracers in cat and rat. Catsman-Berrevoets CE, et al. **Brain Res** 1981 Aug 10;218(1–2):15–33

Rostrocaudal and laminar distribution of spinothalamic neurons in the high cervical spinal cord of the cat. Comans PE, et al. **Brain Res** 1981 Oct 26;223(1):123–7

Spinothalamic cells in the rat lumbar cord with collaterals to the medullary reticular formation. Kevetter GA, et al. **Brain Res** 1982 Apr 22;238(1):181–5

Geometry and orientation of thalamocortical arborizations in the cat somatosensory cortex as revealed by computer reconstruction. Landry P, et al. **Brain Res** 1982 Apr 8;

237(1):222–6
Retinotopic organization in the cat lateral posterior–pulvinar complex. Raczkowski D, et al. **Brain Res** 1981 Sep 21; 221(1):185–91
An electron microscopic study of the termination of thalamocortical fibres in areas 3b, 1 and 2 of the somatic sensory cortex in the monkey. Shanks MF, et al. **Brain Res** 1981 Aug 10;218(1–2):35–47
Afferents from the periaqueductal gray, medial hypothalamus and medial thalamus to the midbrain reticular core. Parent A, et al. **Brain Res Bull** 1981 Oct;7(4):411–8
Nervous connections of the parietal eye in adult Lacerta s. sicula Rafinesque as demonstrated by anterograde and retrograde transport of horseradish peroxidase. Korf HW, et al. **Cell Tissue Res** 1981;219(3):567–83
Thalamocortical neurons projecting to the areas surrounding the anterior and middle suprasylvian sulci in the cat. A horseradish peroxidase study. Naito J, et al. **Exp Brain Res** 1982;45(1–2):59–70
Dopamine neurones of the ventral tegmentum project to both medial and lateral habenula. Some implications for habenular function. Phillipson OT, et al. **Exp Brain Res** 1982;45(1–2):89–94
Organization of corticothalamic projections from parietal cortex in cat. Robertson RT, et al. **J Comp Neurol** 1981 Jul 10;199(4):569–85
Topographical distribution of gamma-aminobutyric acid within the cat thalamus in relation to the basal ganglia, as determined by mass fragmentometry. Yoshida M, et al. **J Neurochem** 1981 Sep;37(3):670–6
Thalamic projecting neurons in the feline nucleus cuneatus. A combined horseradish peroxidase and high voltage electron microscopic study. Ellis LC Jr, et al. **J Neurocytol** 1982 Feb;11(1):3–17
Cortico–recipient and tecto–recipient visual zones in the rat's lateral posterior (pulvinar) nucleus: an anatomical study. Mason R, et al. **Neurosci Lett** 1981 Sep 1;25(2):107–12
A retino–pulvinar projection in the macaque monkey as visualized by the use of anterograde transport of horseradish peroxidase. Mizuno N, et al. **Neurosci Lett** 1982 Jun 30;30(3):199–203
Arrangement of pyramidal tract fibers in the internal capsule of the rhesus monkey. Terashima T. **Okajimas Folia Anat Jpn** 1981 Aug;58(3):137–54
Electron microscopy of Golgi impregnated neurons in cat visual cortex used to trace thalamo–cortical projections. Garey LJ, et al. **Prog Clin Biol Res** 1981;59A:303–10
[Structure and evaluation of the paramedian side of thalamus] Rabl R. **Gegenbaurs Morphol Jahrb** 1982;128(1):12–25 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Thalamic hemorrhage--a clinicoanatomic study. Goto N, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):24–36
[Capsulo–thalamic hemorrhage (author's transl)] Viallet F, et al. **Acta Neurol Belg** 1981 May–Jun;81(3):153–70 (Eng. Abstr.) **(Fre)**
[Amnesia from bilateral ischemic lesions of the thalamus (author's transl)] Barbizet J, et al. **Rev Neurol (Paris)** 1981; 137(6–7):415–24 (Eng. Abstr.) **(Fre)**
[Effect of mannitol on rCBF in canine thalamic ischemia–an experimental study (author's transl)] Seki H, et al. **No To Shinkei** 1981 Nov;33(11):1101–5 (Eng. Abstr.) **(Jpn)**
[Restoration of disrupted functions in patients who have sustained hemorrhages into the optic thalamus] Kadykov AS, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1146–8 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Responses of cat's pulvinar neurons to moving visual stimuli. Harutiunian–Kozak BA, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(2):147–62
The structure of visual receptive fields of cat's pulvinar neurons. Harutiunian–Kozak BA, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(2):127–45
Large neurons in the thalamic ventrolateral mass in humans and monkeys. Hirai T, et al. **Appl Neurophysiol** 1982; 45(3):245–50
Developmental alterations in mast cell numbers and distributions within the thalamus of the albino rat. Persinger MA. **Dev Neurosci** 1981;4(3):220–4
Synaptic termination of thalamic and callosal afferents in cingulate cortex of the rat. Vogt BA, et al. **J Comp Neurol** 1981 Sep 10;201(2):265–83
Electrophysiological studies on plasticity of cerebellothalamic neurons in rats following neonatal hemicerebellectomy. Yamamoto T, et al. **Jpn J Physiol** 1981;31(2):217–24
Quantification of synapses formed with apical dendrites of Golgi–impregnated pyramidal cells: variability in thalamocortical inputs, but consistency in the ratios of asymmetrical to symmetrical synapses. Hersch SM, et al. **Neuroscience** 1981;6(6):1043–51
[Comparative cytoarchitectonia of the thalamus and the preoptic region in several anouran species (author's transl)] Fernández–González CM, et al. **Trab Inst Cajal Invest Biol** 1980;71(1):25–36 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effects of anaesthetics on the uptake and release of amino acid neurotransmitters in thalamic slices. Kendall TJ, et al. **Br J Pharmacol** 1982 Jan;75(1):219–27
Morphological changes induced in the central nervous system of rats by steroid drug. Shikai I, et al. **Folia Psychiatr Neurol Jpn** 1981;35(2):217–24
Neuropharmacology of the afferent projections from the lateral habenula and substantia nigra to the anterior raphe in the rat. Stern WC, et al. **Neuropharmacology** 1981 Oct; 20(10):979–89
Absence of seizure activity following focal cerebral injection of enkephalins in a primate. Meldrum BS, et al. **Regul Pept** 1981 Nov;2(6):383–90
[Opiate receptors and sleep. III. Effects of microinjections of DSIP (delta–sleep peptide) in the median thalamus, Periaqueductal gray matter and nucleus of the tractus solitarius of the rabbit (author's transl)] Tissot R. **Neuropsychobiology** 1981;7(6):321–5 (Eng. Abstr.) **(Fre)**
[Mechanism of the central effects of tropane] Zakusov VV, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):529–31 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The prenatal development of the pulvinar in the monkey: 3H–thymidine autoradiographic and morphometric analyses. Ogren MP, et al. **Anat Embryol (Berl)** 1981; 162(1):1–20

ENZYMOLOGY

Acetylcholinesterase Histochemistry of the habenulo–interpeduncular pathway in the rat and the effects of electrolytic and kainic acid lesions. Flumerfelt BA, et al. **Anat Embryol (Berl)** 1982;163(4):435–46

METABOLISM

Measurement of endogenous leucine enkephalin in canine thalamus by high–performance liquid chromatography and field desorption mass spectrometry. Desiderio DM, et al. **J Chromatogr** 1982 Apr 30;239:87–95
Distribution of gamma–aminobutyrate in the rat thalamus: specific decreases in thalamic gamma–aminobutyrate following lesion or electrical stimulation of the substantia nigra. Starr MS, et al. **Neuroscience** 1981;6(6):1095–104
[Multiple opiate receptor sites in the rabbit thalamus and cerebellum: preliminary characterization (author's transl)] Meunier JC, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):451–4 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Prelimbic cortex, mediodorsal thalamus, septum, and delayed alternation in rats. Brito GN, et al. **Exp Brain Res** 1982; 46(1):52–8

PHYSIOLOGY

Evidence for the involvement of nigrothalamic GABA neurons in circling behaviour in the rat. Kilpatrick IC, et al. **Adv Biochem Psychopharmacol** 1981;30:205–24
Role of GABA in the striatal output system: globus pallidus, nucleus entopeduncularis, substantia nigra and nucleus subthalamicus. Scheel–Krüger J, et al. **Adv Biochem Psychopharmacol** 1981;30:165–86 (92 ref.)
Effects of peripherally and centrally administered serotonin on primate spinothalamic neurons. Willis WD. **Adv Exp Med Biol** 1981;133:105–23
Reversibility of chronic neurologic deficits. Some effects of electrical stimulation of the thalamus and internal capsule in man. Cooper IS, et al. **Appl Neurophysiol** 1980; 43(3–5):244–58
Touch–evoked thalamic cellular activity. The variable position of the anterior border of somesthetic SI thalamus and somatotopography. Hardy TL, et al. **Appl Neurophysiol** 1981;44(5–6):302–13
Organization of basal ganglia inputs to the thalamus. A light and electron microscopic study in the cat. Ilinsky IA, et al. **Appl Neurophysiol** 1982;45(3):230–7
Stereotactic VA thalamotomy for the control of focal seizures: experimental and clinical studies. Mori K, et al. **Appl Neurophysiol** 1982;45(4–5):478–83
Morphine–induced cortical excitation and its influence on thalamic somatosensory evoked activity. Soto–Moyano R, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):214–22
Neural and behavioral plasticity: crossed nigro–thalamic projections following unilateral substantia nigra lesions. Pritzel M, et al. **Behav Brain Res** 1981 Nov;3(3):393–9
Rapid forgetting of individual spatial reversal problems in rats with parafascicular lesions. Thompson R, et al. **Behav Neural Biol** 1981 Sep;33(1):1–16
Brain–stem auditory–evoked potentials recorded directly from human brain–stem and thalamus. Hashimoto I, et al. **Brain** 1981 Dec;104(Pt 4):841–59
Excitation of perigeniculate neurones via axon collaterals of principal cells. Ahlsén G, et al. **Brain Res** 1982 Mar 25; 236(2):477–81
Mutual inhibition between perigeniculate neurones. Ahlsén G, et al. **Brain Res** 1982 Mar 25;236(2):482–6
Thalamic bursting mechanism: an inward slow current revealed by membrane hyperpolarization. Deschênes M, et al. **Brain Res** 1982 May 6;239(1):289–93
Anomalous visual connections to somatosensory and auditory systems following brain lesions in early life. Frost DO. **Brain Res** 1982 Apr;255(4):627–35
Organization of the habenulo–interpeduncular connections in cats: a horseradish peroxidase study. Hayakawa T, et al. **Brain Res** 1982 May 20;240(1):3–11
Spatial memory impairments following damage to the mediodorsal nucleus of the thalamus in rhesus monkeys. Isseroff A, et al. **Brain Res** 1982 Jan 28;232(1):97–113
Axolemmal infoldings bind calcium in nerve endings of the stimulated neocortex. Joó F, et al. **Brain Res** 1981 Nov 16;224(2):426–30
Involvement of the thalamus in the asymmetric effects of unilateral sensory stimuli on the two nigrostriatal dopaminergic pathways in the cat. Leviel V, et al. **Brain Res** 1981 Nov 2;223(2):257–72
Mode of activation of thalamic neurons by stimulation of the cerebellar fastigial nuclei in the cat. Matsuda Y, et al. **Brain Res** 1982 Jun 10;241(2):370–3
Electrophysiological evidence for branching nigral projections to pontine reticular formation, superior colliculus and thalamus. Niijima K, et al. **Brain Res** 1982 May 6;239(1):279–82
Role of the lateral habenula in modulating nigral and striatal in vivo [3H]serotonin release in the cat. Soubrié P, et al. **Brain Res** 1981 Oct 5;222(1):192–7
Zona incerta and lateral hypothalamic afferents to the midbrain reticular core of cat—HRP and electrophysiological study. Steriade M, et al. **Brain Res** 1982 Apr 22;238(1):13–28
Intracranial self–stimulation in the thalamus of the rat. Clavier RM, et al. **Brain Res Bull** 1982 Apr;8(4):353–8
Unit responses of intralaminar thalamus to midbrain and medullary stimulation and effects of conditioning caudate and hippocampal stimuli. McKenzie JS, et al. **Brain Res Bull** 1981 Oct;7(4):345–52
Mesencephalic and bulbar reticular formation influences on somatosensory transmission through the thalamus. Schieppati M, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):338–42
Interrelations of the rat's thalamic reticular and dorsal lateral geniculate nuclei. Hale PT, et al. **Exp Brain Res** 1982; 45(1–2):217–29
Role of the entopeduncular nucleus in caudate nucleus–induced suppression of intralaminar thalamic unit responses in the cat. Bendrups AP, et al. **Exp Neurol** 1981 Nov;74(2):470–81
Effects of superior colliculus electrolytic lesion on eye movements evoked through electrical stimulation of the pulvinar–lateralis posterior complex. Infante C, et al. **Exp Neurol** 1982 Jul;77(1):94–101
Arrest reaction with concomitant spike and wave afterdischarge following thalamic stimulation in conscious juvenile monkeys with Al (OH)3 focal premotor lesions. David J, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep; 25(3):209–18
Experimental spike and wave EEG pattern from thalamic stimulation in anaesthetized juvenile monkeys. David J, et al. **Indian J Physiol Pharmacol** 1981 Jul–Sep;25(3):201–8
Control of complex conation and emotion in the neocortex by the limbic entorhinal, subicular, and cingulate cortices and the hypothalamus, mammillary body, and thalamus. Pay RG. **Int J Neurosci** 1981;15(1–2):1–30
Superior colliculus neurons which project to the cat lateral posterior nucleus have varying morphologies. Caldwell RB, et al. **J Comp Neurol** 1981 Nov 20;203(1):53–66
The retinal projection to the thalamus in the cat: a quantitative investigation and a comparison with the retinotectal pathway. Illing RB, et al. **J Comp Neurol** 1981 Oct 20;202(2):265–85
Topography and cortical projections of morphologically identified neurons in the visual thalamus of the cat. Meyer G, et al. **J Comp Neurol** 1981 Sep 20;201(3):353–74
The thalamic connectivity of the primary motor cortex (MI) in the raccoon. Sakai ST. **J Comp Neurol** 1982 Jan 20; 204(3):238–52
Thalamic projections to the primary and secondary somatosensory cortices in cat: single and double retrograde tracer studies. Spreafico R, et al. **J Comp Neurol** 1981 Nov 20;203(1):67–90
Thalamic center for the lateral line system in the catfish Ictalurus nebulosus: evoked potential evidence. Finger TE, et al. **J Neurobiol** 1982 Jan;13(1):39–47
A quantitative study of thalamocortical and other synapses involving the apical dendrites of corticothalamic projection cells in mouse SmI cortex. White EL, et al. **J Neurocytol** 1982 Feb;11(1):137–57
Thalamic relay for group I muscle afferents of forelimb nerves in the monkey. Maendly R, et al. **J Neurophysiol** 1981 Nov;46(5):901–17
Visual responses of single neurons in the caudal lateral pulvinar of the macaque monkey. Benevento LA, et al. **J Neurosci** 1981 Nov;1(11):1268–78
Involvement of lateral habenula–dorsal raphe neurons in the differential regulation of striatal and nigral serotonergic transmission cats. Reisine TD, et al. **J Neurosci** 1982 Aug; 2(8):1062–71
Behavioral and electrical correlates of absence seizures induced by thalamic stimulation in juvenile rhesus monkeys with frontal aluminum hydroxide implants: a pharmacologic evaluation. David J, et al. **J Pharmacol Methods** 1982 May;7(3):219–29

Thalamic generalized seizure induced by tungstic acid gel in cats and its suppression by anticonvulsants. Hori M, et al. **Jpn J Pharmacol** 1981 Oct;31(5):771–9

Electrophysiology of mammalian thalamic neurones in vitro. Llinás R, et al. **Nature** 1982 Jun 3;297(5865):406–8

Interaction between transcallosal and thalamocortical excitation. Bianki VL. **Neurosci Behav Physiol** 1981 Jul–Aug;11(4):328–35

Functional details of the basal ganglia as related to the spatial organization of their fibers in cortex and thalamus. Suvorov NF, et al. **Neurosci Behav Physiol** 1981 Jul–Aug; 11(4):317–23

The dorsal diencephalic conduction system: a review of the anatomy and functions of the habenular complex. Sutherland RJ. **Neurosci Biobehav Rev** 1982 Spring; 6(1):1–13 (127 ref.)

Origins of the projections of the superior colliculus to the dorsal lateral geniculate nucleus and the pulvinar in the rabbit. Graham J, et al. **Neurosci Lett** 1981 Oct 23; 26(2):101–6

Origins of the pretectal and tectal projections to the central lateral nucleus in the cat. Graham J, et al. **Neurosci Lett** 1981 Nov 4;26(3):209–14

Thalamocortical synapses with corticothalamic projection neurons in mouse SmI cortex: electron microscopic demonstration of a monosynaptic feedback loop. Hersch SM, et al. **Neurosci Lett** 1981 Jul 17;24(3):207–10

Thalamocaudate projection neurons with a branching axon to the cerebral motor cortex. Jinnai K, et al. **Neurosci Lett** 1981 Oct 23;26(2):95–9

Residual cerebellothalamic terminal fields following hemispherectomy in the cat. McAllister JP 2d, et al. **Neurosci Lett** 1982 Mar 17;29(1):25–9

Projections of the pulvinar–lateral posterior complex to visual cortical areas in the cat. Symonds LL, et al. **Neuroscience** 1981;6(10):1995–2020

Functional changes in ventrobasal thalamic neurones responsive to noxious and non-noxious cutaneous stimuli after chloralose treatment: new evidence for the presence of pre-existing 'silent connections' in the adult nervous system? Guilbaud G, et al. **Pain** 1981 Aug;11(1):9–19

A study of the connections of nociceptive substantia nigra neurones. Pay S, et al. **Pain** 1982 Jan;12(1):75–89

Influence of cold adaptation on the activity of thermoresponsive neurons in thalamus and midbrain of the rat. Werner J, et al. **Pflugers Arch** 1981 Oct;391(4):327–30

Thalamic mediation of impulses arriving from the substantia nigra. Harasiewicz A, et al. **Pol J Pharmacol Pharm** 1981 Nov;33(4):421–9

Taurine-induced thalamocortical dissociative effects in an experimental model of epilepsy. Lombardini JB, et al. **Prog Clin Biol Res** 1981;68:171–9

The spinocervical tract. Brown AG. **Prog Neurobiol** 1981; 17(1–2):59–96

[Transformation of body scheme caused by thalamic stimulation. Thalamic stimulation for painful phantom limb (author's transl)] Merienne L, et al. **Neurochirurgie** 1981; 27(2):121–3 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Early somatosensory evoked potentials in thalamo–cortical lesions of the lemniscal pathways in humans. Mauguière F, et al. **Adv Neurol** 1982;32:321–38

Parafascicular–center median nuclei stimulation for intractable pain and dyskinesia (painful–dyskinesia). Andy OJ. **Appl Neurophysiol** 1980;43(3–5):133–44

Microiontophoretically applied 5-HT reduces responses to noxious stimulation in the thalamus. Andersen E, et al. **Brain Res** 1982 Jun 3;241(1):176–8

Somatic responses of ventrobasal thalamic neurones in polyarthritic rats. Gautron M, et al. **Brain Res** 1982 Apr 15;237(2):459–71

Interaction of cortex and thalamus in spike and wave discharges of feline generalized penicillin epilepsy. Avoli M, et al. **Exp Neurol** 1982 Apr;76(1):196–217

Role of the thalamus in generalized penicillin epilepsy: observations on decorticated cats. Avoli M, et al. **Exp Neurol** 1982 Aug;77(2):386–402

Thalamic–hypothalamic interrelationships and stress–induced rebounding adrenocortical response in the pigeon. Ramade F, et al. **Neuroendocrinology** 1982 Jan;34(1):7–13

[Proprioceptive afferents of the transcortical reflex in motor epilepsy:localisation of their thalamic relay in the cat (author's transl)] Gioanni Y, et al. **C R Seances Acad Sci [III]** 1982 May 3;294(16):837–40 (Eng. Abstr.) **(Fre)**

[Statistical analysis of diencephalic neuronal spike activity during immobilization emotional stress in the rat] Kiiatkin EA. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):502–10 (Eng. Abstr.) **(Rus)**

SURGERY

Stereotactic thalamic lesions studied by CT scanner. Colombo F, et al. **Acta Neurochir (Wien)** 1981; 57(3–4):205–12

Long term cognitive effects of stereotactic thalamotomy on non–parkinsonian dyskinetic patients. Blumetti AE, et al. **Appl Neurophysiol** 1980;43(3–5):259–62

Delayed effects of pulvinotomy on the rat substantia nigra. Hirayama A, et al. **Appl Neurophysiol** 1982;45(3):251–4

Somatotopic arrangement of lateral spinothalamic tract in percutaneous cervical cordotomy. Iseki H, et al. **Appl Neurophysiol** 1982;45(4–5):484–91

Microelectrode recording for the somatotopic placement of stereotactic thalamic lesions in the treatment of parkinsonian and cerebellar intention tremor. Kelly PJ. **Appl Neurophysiol** 1980;43(3–5):262–6

Verbal and nonverbal learning ability of Parkinson patients before and after unilateral ventrolateral thalamotomy. Kocher U, et al. **Appl Neurophysiol** 1982;45(3):311–6

Bilateral improvement in voluntary movement after unilateral diencephalic lesions for parkinsonism. Meyer CH. **Appl Neurophysiol** 1981;44(5–6):345–54

CT appearance of thalamic lesions in stereotactic surgery. Murayama Y, et al. **Appl Neurophysiol** 1982; 45(4–5):399–403

Importance of microstereoencephalotomy for tremor alleviation. Narabayashi H, et al. **Appl Neurophysiol** 1980; 43(3–5):222–7

Follow–up results of centromedian thalamotomy for central pain. Niizuma H, et al. **Appl Neurophysiol** 1982;45(3):324–5

Stereotactic thalamotomy for postapoplectic and posttraumatic involuntary movements. Niizuma H, et al. **Appl Neurophysiol** 1982;45(3):295–8

Vim thalamotomy for the treatment of various kinds of tremor. Ohye C, et al. **Appl Neurophysiol** 1982;45(3):275–80

VOI thalamotomy in spasmodic torticollis. von Essen C, et al. **Appl Neurophysiol** 1980;43(3–5):159–63

Neurophysiological atlas of the human thalamus and adjacent structures. Computer–assisted mapping. Yoshida M, et al. **Appl Neurophysiol** 1982;45(4–5):406–9

Long–term follow–up study after pulvinotomy for intractable pain. Yoshii N, et al. **Appl Neurophysiol** 1980; 43(3–5):128–32

Comparative study between size of lesioned area and operative effects after pulvinotomy. Yoshii N, et al. **Appl Neurophysiol** 1982;45(4–5):492–7

Pain and the internal medullary lamina. 4 autopsy cases. Yoshimasu N, et al. **Appl Neurophysiol** 1982;45(4–5):498–9

Surgery for involuntary movements. Andrew J. **Br J Hosp Med** 1981 Nov;26(5):522, 524, 526–8

Hemi–dystonia due to focal basal ganglia lesion after head injury and improved by stereotaxic thalamotomy [letter] Andrew J, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar; 45(3):276

ULTRASTRUCTURE

The thalamic projection to cat visual cortex: ultrastructure of neurons identified by Golgi impregnation or retrograde horseradish peroxidase transport. Hornung JP, et al. **Neuroscience** 1981;6(6):1053–68

THALASSEMIA

[Hemoglobin–hematological phenotypes of interaction between beta–thalassemias and beta–structural allelic hemoglobinopathies] Vecchio F. **Pediatria (Napoli)** 1981 Dec 31;89(4):815–9 (Eng. Abstr.) **(Ita)**

[Thalassemia, its course, physiology, physiopathology, molecular basis and classification] de Araujo JT. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):261–73 (157 ref.) (Eng. Abstr.) **(Por)**

BLOOD

Erythrocyte alterations in hemoglobin H disease. Szelényi JG, et al. **Acta Biol Med Ger** 1981;40(7–8):961–7

Serum alpha–1–antitrypsin study in beta–thalassaemic patients. Babionitakis A, et al. **Acta Haematol (Basel)** 1982; 67(3):194–7

Serum ferritin levels in thalassemias and the effect of splenectomy. Pootrakul P, et al. **Acta Haematol (Basel)** 1981;66(4):244–50

Delayed decrease in serum ferritin in polytransfused children with thalassemia major after continuous subcutaneous infusions of desferrioxamine. Schettini F, et al. **Acta Haematol (Basel)** 1981;66(2):96–101

Thalassemia: recent insights into molecular mechanisms. Steinberg MH, et al. **Am J Hematol** 1982 Feb;12(1):81–92 (75 ref.)

Changes in 2,3–diphosphoglycerate during pregnancy and puerperium in normal women and in beta–thalassemia heterozygous women. Tsai CH, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):520–3

Haemoglobin levels and blood requirement in thalassaemia. Gabutti V, et al. **Arch Dis Child** 1982 Feb;57(2):156–8

Deficiency of non–suppressible insulin–like activity in thalassaemia major. Werther GA, et al. **Arch Dis Child** 1981 Nov;56(11):855–9

Thalassemia and the Kleihauer–Betke test [letter] Shugar G. **Arch Pathol Lab Med** 1982 Jan;106(1):48–9

Red–cell metabolism of pyridoxine in controls and beta–Thalassaemia in Ferrara, Northern Italy. Anderson BB, et al. **Biomedicine** 1981 Oct;35(5):147–50

F–cells are preferentially distributed among high density erythrocytes. Testa U, et al. **Biomedicine** 1981 Jul; 35(3):94–7

Why inclusion bodies do assume different locations in thalassaemic erythrocytes. Zavagli G, et al. **Blut** 1982 Mar; 44(3):165–72

Haemoglobin Constant Spring has an unstable alpha chain messenger RNA. Hunt DM, et al. **Br J Haematol** 1982 Jul;51(3):405–13

Ferritin concentration in normal and abnormal erythrocytes measured by immunoradiometric assay with antibodies to heart and spleen ferritin and Mössbauer spectroscopy. Jacobs A, et al. **Br J Haematol** 1981 Oct;49(2):201–7

Changes in the mean corpuscular red cell volume in women with beta–thalassaemia trait during pregnancy. Lewis D, et al. **Br J Haematol** 1982 Mar;50(3):423–5

Morphology and kinetics of erythropoiesis in haemoglobin H disease. Wickramasinghe SN, et al. **Br J Haematol** 1981 Oct;49(2):185–8

Ultrastructure of supravitally stained red cells in haemoglobin H disease [letter] Feliu E, et al. **Clin Lab Haematol** 1982; 4(1):89–90

Pituitary testicular axis function and sex hormone binding globulin binding capacity in thalassaemia major. De Luca F, et al. **Helv Paediatr Acta** 1981 Jul;36(3):229–36

Binding of beta S, beta C and beta O Arab globins to the erythrocyte membrane. Ballas SK, et al. **Hemoglobin** 1981; 5(5):501–5

Evidence for increased proteolysis in intact beta thalassemia erythroid cells. Braverman AS, et al. **Hemoglobin** 1981; 5(6):549–64

Hemoglobin A2 in iron deficient beta–thalassemia heterozygotes. Galanello R, et al. **Hemoglobin** 1981; 5(6):613–8

Beta–thalassemia major surviving till 20 years without transfusion (a case report). Gupta RK, et al. **J Assoc Physicians India** 1981 May;29(5):421–3

Crystallization and preliminary X–ray diffraction studies of methemoglobin Bart's. Czerwinski EW, et al. **J Biol Chem** 1981 Dec 25;256(24):13128–9

Lack of response of nonsuppressible insulin–like activity to short term administration of human growth hormone in thalassemia major. Werther GA, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):806–9

Defective adherence of polymorphonuclear leukocytes to nylon induced by thalassemic serum. Bassaris HP, et al. **J Infect Dis** 1982 Jul;146(1):52–5

Globin chain synthesis analysis in obligate beta 0–thalassemia heterozygotes with isolated increase of hemoglobin A2 levels. Galanello R, et al. **Nouv Rev Fr Hematol** 1981; 23(4):193–5

Cord blood survey for haemoglobin Barts. Booth K. **Papua New Guinea Med J** 1981 Dec;24(4):264–6

Hematologic changes and hemoglobin analysis beta thalassemia heterozygotes during the first year of life. Wood WG, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):286–9

Developmental changes in hemoglobin F levels during the first two years of life in normal and heterozygous beta–thalassemia infants. Metaxotou–Mavromati AD, et al. **Pediatrics** 1982 Jun;69(6):734–8

Increased circulating platelet aggregates in thalassaemia. Winichagoon P, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):556–60

[Hemoglobin E and hemoglobin E–beta–thalassemia – clinical, laboratory and genetic studies (author's transl)] Yang XY. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):143–7 (Eng. Abstr.) **(Chi)**

[Abnormal hemoglobins and thalassemias in Upper–Volta (author's transl)] Richin C, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr;75(2):212–7 **(Fre)**

[Clarification of anemia: quality control in the general practice laboratory] Marti HR. **Schweiz Med Wochenschr** 1981 Aug 15;111(33):1193 **(Eng. Abstr.)** **(Ger)**

[Analysis of erythrocytic spectrin in thalassemia and in Lepore hemoglobinosis] Notario A, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):9–18 (Eng. Abstr.) **(Ita)**

[HbA2 evaluation: comparison between microchromatography on a DEAE cellulose column and conventional cellulose acetate electrophoresis] Milone G, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1777–82 (Eng. Abstr.) **(Ita)**

[A new case of hemoglobin Lepore–beta–thalassemia disease] Ricci G, et al. **Minerva Med** 1982 Feb 11;73(5):191–7 (Eng. Abstr.) **(Ita)**

[Lepore hemoglobinosis in the Campania region] Esposito L, et al. **Pediatria (Napoli)** 1980 Dec 31;88(4):485–502 (Eng. Abstr.) **(Ita)**

[Relation between serum ferritin and various indices of hepato–cellular damage in homozygous beta–thalassemia] Ferrara M, et al. **Pediatria (Napoli)** 1980 Dec 31; 88(4):561–70 (Eng. Abstr.) **(Ita)**

[Nature of the disorder of hemoglobin synthesis in thalassemias] Zago MA, et al. **AMB** 1981 Sep;27(9):250–2 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Extramedullary hematopoiesis in homozygous thalassemia. A tomographic study of a case treated with radiotherapy. Francesconi M, et al. **Acta Neurol (Napoli)** 1981 Aug; 36(4):602–5

Combined vitamin D parathyroid defect in thalassemia major. Aloia JF, et al. **Arch Intern Med** 1982 Apr;142(4):831–2

Skeletal and dental retardation in beta–thalassemia major. Laor E, et al. **Hum Biol** 1982 Feb;54(1):85–92

Progressive peroneal muscular atrophy (Charcot–Marie–Tooth disease) associated with

beta-thalassemia trait and glucose-6-phosphate dehydrogenase (G-6-PD) deficiency. A clinical and nerve biopsy case. Inzitari D, et al. **Ital J Neurol Sci** 1981 Aug; 2(3):269-74

Acquired haemoglobin-H like disease. Dash S, et al. **J Assoc Physicians India** 1981 Jul;29(7):551-4

Growth retardation in beta-thalassemia [letter] Arcasoy A, et al. **J Pediatr** 1981 Oct;99(4):671-2

Intracranial hemorrhage and circulating coagulation inhibitor in beta-thalassemia major. Sinniah D, et al. **J Pediatr** 1981 Nov;99(5):700-3

Zinc deficiency in beta-thalassaemia [letter] Arcasoy A, et al. **J R Soc Med** 1982 Aug;75(8):671

Spinal cord compression in thalassaemia [editorial] **Lancet** 1982 Mar 20;1(8273):664-5

Retinitis pigmentosa, unilateral Coats's disease, and thalassemia minor--a case report. Heckenlively J. **Metab Pediatr Ophthalmol** 1981;5(2):67-72

Eye manifestations in beta-thalassaemia major. Osman ZM, et al. **Metab Pediatr Ophthalmol** 1981;5(3-4):195-9

Concurrent sickle-cell anemia and alpha-thalassemia: effect on severity of anemia. Embury SH, et al. **N Engl J Med** 1982 Feb 4;306(5):270-4

The interaction of alpha-thalassemia and homozygous sickle-cell disease. Higgs DR, et al. **N Engl J Med** 1982 Jun 17;306(24):1441-6

What determines severity in sickle-cell disease? [editorial] Schechter AN, et al. **N Engl J Med** 1982 Feb 4;306(5):295-7

Beta thalassemia. Spinal cord compression. Ahmed F, et al. **NY State J Med** 1981 Sep;81(10):1505-8

Ocular manifestations in thalassemia minor. Magli A, et al. **Ophthalmologica** 1982 Mar;184(3):139-46

Juvenile leg ulceration in beta-thalassemia major and intermedia. Gimmon Z, et al. **Plast Reconstr Surg** 1982 Feb;69(2):320-5

The ribs in thalassemia. I. The relationship to therapy. Lawson JP, et al. **Radiology** 1981 Sep;140(3):663-72

The ribs in thalassemia. II. The pathogenesis of the changes. Lawson JP, et al. **Radiology** 1981 Sep;140(3):673-9

Microcytic anaemia and haemoglobinopathy in Cape Town children. Bird AR, et al. **S Afr Med J** 1982 Sep 18; 62(13):429-30

Gene deletion in hereditary persistence of fetal hemoglobin (HPFH) and delta beta thalassemia. Mears JG. **Tex Rep Biol Med** 1980-81;40:365-72

[Septicemia caused by Yersinia enterocolitica. General review apropos of a new case in a young women presenting with thalassemia major] Roche G, et al. **Rev Med Interne** 1982 Mar;3(1):65-74 (51 ref.) (Eng. Abstr.) **(Fre)**

[Marfan syndrome associated with beta-thalassemia] Locatelli C, et al. **Boll Soc Ital Cardiol** 1981;26(1):41-50 **(Ita)**

[Unusual alteration of tibial growth in a case of Cooley's disease] Tripo B. **Chir Organi Mov** 1979 Sep-Oct; 65(5):617-21 **(Ita)**

[Leptospirosis-associated acute anemic crisis in a patient with HbS-thalassemia (author's transl)] Gregoretti S. **Haematologica (Pavia)** 1981 Aug;66(4):493-7 (Eng. Abstr.) **(Ita)**

[Cooley's disease and tumors (letter)] Miniero R, et al. **Haematologica (Pavia)** 1981 Apr;66(2):251-2 **(Ita)**

[Incidence of biliary calculosis in beta-thalassemic syndromes] Scutellari PN, et al. **Minerva Pediatr** 1981 Oct 31;33(20):983-90 (Eng. Abstr.) **(Ita)**

[Yersinia enterocolitica infection in thalassemia. Report of one case (author's transl)] Balestrazzi P, et al. **Pediatr Med Chir** 1981 Jul-Aug;3(4):269-71 (Eng. Abstr.) **(Ita)**

[Homozygous beta-thalassaemia and acute lymphoblastic leukaemia (author's transl)] Pastore G, et al. **Pediatr Med Chir** 1981 Jul-Aug;3(4):281-2 (Eng. Abstr.) **(Ita)**

[Auxological studies of 50 children with beta-thalassemia major] Agnello D, et al. **Pediatria (Napoli)** 1981; 89(2):207-17 (Eng. Abstr.) **(Ita)**

[Hyperbilirubinemia in newborn infants with glucose-6-phosphate dehydrogenase (G-6-PD) deficiency associated with the thalassemic trait] Cutillo S. **Pediatria (Napoli)** 1981 Sep 30;89(3):395-400 (Eng. Abstr.) **(Ita)**

[Echocardiographic findings in subjects with beta-thalassemia major] Malizia R, et al. **Pediatria (Napoli)** 1981;89(2):235-44 (Eng. Abstr.) **(Ita)**

[Case of mesenteric lymphadenitis caused by Yersinia enterocolitica in a thalassemic boy] Núñez Gutiérrez A, et al. **Rev Clin Esp** 1982 Mar 15;164(5):339-41 **(Spa)**

[Thalassemia and anesthesia. A case report (author's transl)] Carrasco Jiménez MS, et al. **Rev Esp Anestesiol Reanim** 1982 Mar;29(2):95-8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Antenatal diagnosis of homozygous beta thalassaemia in Mediterraneans in Australia. Smith MB, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):203-6

Pre- and postnatal diagnosis of the hemoglobinopathies. Alter BP. **Birth Defects** 1981;17(1):181-99

Inadequacy of Hb Bart's as an indicator of alpha thalassaemia [letter] Higgs DR, et al. **Br J Haematol** 1982 May; 51(1):177-8

Normal haematological values and diagnosis of hemoglobinopathies. **Br Med J [Clin Res]** 1982 Apr 24; 284(6324):1250

Prenatal prediction of alpha-thalassemia phenotype by endonuclease mapping of parental DNA. Steinbrecher UP, et al. **Can Med Assoc J** 1982 Jan 15;126(2):156-7

Application of cellulose acetate electrophoresis to globin chain separation for antenatal diagnosis of beta thalassemia. Boccacci M, et al. **Clin Chim Acta** 1981 Oct 26; 116(2):137-42

Diagnostic significance of hemoglobin F and A2 levels in homo- and heterozygous beta-thalassemia during infancy. Schröter W, et al. **Helv Paediatr Acta** 1981;36(6):519-25

A new polymorphism in the human beta-globin gene useful in antenatal diagnosis. Driscoll MC, et al. **J Clin Invest** 1981 Oct;68(4):915-9

Prenatal diagnosis of thalassaemia major resulting from Lepore/ beta-thalassaemia genotype. Furbetta M, et al. **J Med Genet** 1981 Dec;18(6):476-8

Symptomatic beta thalassemia trait (A study of 143 cases). Agarwal MB, et al. **J Postgrad Med** 1982 Jan;28(1):4-8

Heterozygous beta thalassemia with an intermediate severity: (a report of 11 cases). Mehta BC, et al. **J Postgrad Med** 1981 Oct;27(4):235-9

Alpha thalassemia minor in pregnancy. Miller JM Jr. **J Reprod Med** 1982 Apr;27(4):207-9

An improved method for the detection of redox-dye induced inclusions within erythrocytes of alpha-thalassaemia carrier. Wee PH. **J Singapore Paediatr Soc** 1981; 23(1-2):92-3

Sickle cell anemia and iron deficiency. Resemblance to sickle thalassemia. Natta C, et al. **JAMA** 1982 Mar 12; 247(10):1442-3

Screening procedures for quantitative abnormalities in hemoglobin synthesis. Clegg JB, et al. **Methods Enzymol** 1981;76:749-60

A multisample method for prenatal diagnosis of beta-thalassemia. Benazzi L, et al. **Prog Clin Biol Res** 1981; 60:197-207

Reversed-phase high pressure liquid chromatography of globin chains: its application for the prenatal diagnosis of beta-thalassemia. Congote LF. **Prog Clin Biol Res** 1981; 60:39-52

Alpha thalassemia and homozygous sickle cell disease. Serjeant GR, et al. **Prog Clin Biol Res** 1981;55:781-8

Prenatal diagnosis of sickle cell anemia and beta-thalassemia by amniocentesis. Phillips JA 3d. **Tex Rep Biol Med** 1980-81;40:261-72 (26 ref.)

[Thalassemia. A new differential diagnosis in Denmark] Eriksen J, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3531-4 (Eng. Abstr.) **(Dan)**

[Thalassaemia intermedia. Clinical and laboratory study. Therapeutic suggestions (author's transl)] Triadou P, et al. **Nouv Presse Med** 1982 Jan 30;11(4):253-6 (Eng. Abstr.) **(Fre)**

[Beta-thalassemia: systematic screening and treatment] Lambotte C, et al. **Rev Med Liege** 1981 Apr 1;36(7):286-93 **(Fre)**

[Diagnosis of heterozygous beta-thalassemia] Goebel FD, et al. **Med Klin [Prax]** 1982 Mar 26;77(7):50-3 (Eng. Abstr.) **(Ger)**

[The MVC2-MCH/RBC formula, a new linear function discriminating the thalassemia trait: its reliability and comparative values] Dore F, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):822-7 (Eng. Abstr.) **(Ita)**

[Applicability of cellulose acetate electrophoresis of globin chains to thalassemia screening] Masala B, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1417-23 (Eng. Abstr.) **(Ita)**

[Respiratory function tests in adolescents with beta-thalassemia major (author's transl)] Secchi GC, et al. **Haematologica (Pavia)** 1982 Feb;67(1):23-32 (Eng. Abstr.) **(Ita)**

[Glycerol test in thalassemia diagnosis (author's transl)] Iolascon A, et al. **Pediatria (Napoli)** 1982 Mar 31; 90(1):35-43 (Eng. Abstr.) **(Ita)**

[Behaviour of glycosylated hemoglobin in non diabetics beta-thalassemia trait carriers (author's transl)] Deledda R, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):316-21 **(Ita)**

[Biosynthetic and analytical method of hemoglobin - a new technique for the diagnosis of thalassemia (author's transl)] Harano T, et al. **Rinsho Byori** 1981;29(7):670-9 **(Jpn)**

[Thalassemia--a microcytic hypochromic anemia frequently overlooked in the daily practice of outpatient clinic in Japan (author's transl)] Shibata S. **Rinsho Ketsueki** 1981 Jul;22(7):1065-72 **(Jpn)**

[Porphyrin metabolic indices in the diagnosis of anemia in thalassemia] Baĭtaeva DA, et al. **Vrach Delo** 1982 Jan; (1):61-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Iron chelation in transfusion-dependent thalassemia with chronic hepatitis. De Virgiliis S, et al. **Acta Haematol (Basel)** 1982;67(1):49-56

Survival and desferrioxamine in thalassaemia major. Modell B, et al. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1081-4

Survival and desferrioxamine in thalassaemia major [letter] Murray JA. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1401

Iron overload and desferrioxamine chelation therapy in beta-thalassemia intermedia. Cossu P, et al. **Eur J Pediatr** 1981 Nov;137(3):267-71

Response to long-term deferoxamine therapy in thalassemia. Cohen A, et al. **J Pediatr** 1981 Nov;99(5):689-94

Tinnitus in a patient with beta-thalassaemia intermedia on long-term treatment with desferrioxamine. Marsh MN, et al. **Postgrad Med J** 1981 Sep;57(671):582-4

[The echocardiography in thalassemia major (author's transl)] Musumeci S, et al. **Pediatr Med Chir** 1981 Mar-Jun; 3(2-3):219-22 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Low red cell activity of pyridoxine (pyridoxamine) phosphate oxidase and glutathione reductase associated with thalassaemia. Clements JE, et al. **Biomedicine** 1981 Dec; 34(3):119-23

Kinetic alteration of the K+ -sensitive p-nitrophenylphosphatase in red cell membrane from beta-thalassemic patients. Morlé F, et al. **Clin Chim Acta** 1981 Sep 10;115(2):235-9

Serum immunoreactive trypsin in beta-thalassaemia major. Hussain M, et al. **J Clin Pathol** 1981 Sep;34(9):970-1

[Activities of various erythrocyte enzymes in anemias with and without iron deficiency] Hlebarova M, et al. **Z Med Lab Diagn** 1981;22(5):277-83 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

beta-Thalassemia intermedia homozygous for normal hemoglobin A2 beta-thalassemia. Study in four families. Aksoy M, et al. **Acta Haematol (Basel)** 1982;67(1):57-61

Gamma-chain heterogeneity of fetal hemoglobin in nonblack beta- and delta beta- thalassemia and HPFH heterozygotes and homozygotes. Efremov GD, et al. **Am J Hematol** 1982 Jun;12(4):367-82

Thalassemia: recent insights into molecular mechanisms. Steinberg MH, et al. **Am J Hematol** 1982 Feb;12(1):81-92 (75 ref.)

Genetic counseling for beta-thalassemia trait following health screening in a health maintenance organization: comparison of programmed and conventional counseling. Fisher L, et al. **Am J Hum Genet** 1981 Nov;33(6):987-94

Two siblings with unusually mild homozygous beta-thalassemia: a didactic example of the effect of a nonallelic modifier gene of the expressivity of a monogenic disorder. Prchal J, et al. **Am J Med Genet** 1981; 10(3):291-300

Haematological parameters in the healthy adult Egyptian population. Habib Z. **Ann Hum Biol** 1982 Jan-Feb;9(1):85-7

The thalassemia syndromes: models for the molecular analysis of human disease. Benz EJ Jr, et al. **Annu Rev Med** 1982; 33:363-73

alpha-Thalassemia: prevalence and hematologic findings in American Blacks. Johnson CS, et al. **Arch Intern Med** 1982 Jul;142(7):1280-2

Alpha-thalassemia and the production of different alpha chain variants in heterozygotes. Felice AE, et al. **Biochem Genet** 1981 Jun;19(5-6):487-98

Hb Bart's level in cord blood and deletions of alpha-globin genes. Lie-Injo LE, et al. **Blood** 1982 Feb;59(2):370-6

Alpha-thalassemia in two Mediterranean populations. Pirastu M, et al. **Blood** 1982 Aug;60(2):509-12

Increased rate of sister chromatid exchanges in beta-thalassaemia. Côté GB, et al. **Blut** 1982 Jun; 44(6):349-53

alpha-globin gene deletions associated with Hb J Tongariki. Bowden DK, et al. **Br J Haematol** 1982 Jun;51(2):243-9

Interaction between homozygous beta 0 thalassaemia and the Swiss type of hereditary persistence of fetal haemoglobin. Cappellini MD, et al. **Br J Haematol** 1981 Aug;48(4):561-72

'Silent' beta-thalassaemia caused by a 'silent' beta-chain mutant: the pathogenesis of a syndrome of thalassaemia intermedia. Fessas P, et al. **Br J Haematol** 1982 Aug; 51(4):577-83

Globin gene mapping in normal Hb A2 types of beta-thalassaemia. Kanavakis E, et al. **Br J Haematol** 1982 May;51(1):59-64

A new triplicated alpha-globin gene arrangement in man. Trent RJ, et al. **Br J Haematol** 1981 Sep;49(1):149-52

Beta + thalassemia: aberrant splicing results from a single point mutation in an intron. Busslinger M, et al. **Cell** 1981 Dec;27(2 Pt 1):289-98

Abnormally spliced messenger RNA in erythroid cells from patients with beta+ thalassemia and monkey cells expressing a cloned beta+-thalassemic gene. Fukumaki Y, et al. **Cell** 1982 Mar;28(3):585-93

Thalassemia revisited. Weatherall DJ, et al. **Cell** 1982 May; 29(1):7-9 (36 ref.)

The isolation, mapping and transcription in vitro of a beta 0-thalassaemia globin gene. Jackson IJ, et al. **Eur J Biochem** 1981 Dec;121(1):27-31

alpha-Thalassemia trait in the region of Ferrara. Del Senno L, et al. **Haematologica (Pavia)** 1981 Apr;66(2):181-6

Influence of two alpha-globin gene deletions on homozygous beta 0-thalassemia. Lie-Injo LE, et al. **Hemoglobin** 1982; 6(2):115-29

Hematological and biosynthetic features of beta 0-thalassemia with an associated alpha-thalassemia heterozygosity in Sardinia. Longinotti M, et al. **Hemoglobin** 1981;5(6):619-25

Construction of human gene libraries from small amounts of peripheral blood: analysis of beta-like globin genes. Poncz M, et al. **Hemoglobin** 1982;6(1):27-36

Interaction of chromosomes bearing 1, 2 or 3 alpha-globin genes in an American black family with alpha-thalassemia. Sancar GB, et al. **Hemoglobin** 1982;6(2):99-114

Thalassaemia and haptoglobin polymorphism in Egypt. Habib Z. **Hereditas** 1982;96(2):307–11
Homozygous beta thalassaemia in Egypt. Habib Z. **Hereditas** 1981;95(2):323–30
An Egyptian beta–thalassaemia heterozygote with normal haemoglobins A2 and F: a problem in population screening. Habib Z. **Hereditas** 1981;95(1):149–53
Thalassaemia in the egyptian population. Habib Z, et al. **Hereditas** 1982;96(1):149–58
Genetic regulation of gamma gene expression: study of the interaction of beta–thalassemia with heterocellular HPFH. Soummer AM, et al. **Hum Genet** 1981;57(4):371–5
Digital dermatoglyphics in children with beta–thalassemic trait. Gualdi–Russo E, et al. **Hum Hered** 1981;31(4):238–41
Nonsense and frameshift mutations in beta 0–thalassemias detected in cloned beta–globin genes. Orkin SH, et al. **J Biol Chem** 1981 Oct 10;256(19):9782–4
beta–Thalassemia in a Kurdish Jew. Single base changes in the T–A–T–A box. Poncz M, et al. **J Biol Chem** 1982 Jun 10;257(11):5994–6
Posttranscriptional defects in beta–globin messenger RNA metabolism in beta–thalassemia: abnormal accumulation of beta–messenger RNA precursor sequences. Benz EJ Jr, et al. **J Clin Invest** 1981 Dec;68(6):1529–38
beta zero thalassemia in Sardinia is caused by a nonsense mutation. Trecartin RF, et al. **J Clin Invest** 1981 Oct; 68(4):1012–7
Delta beta (F)–thalassaemia in Sardinia. Cao A, et al. **J Med Genet** 1982 Jun;19(3):184–92
Haematological and obstetric aspects of antenatal diagnosis of beta–thalassaemia: experience with 200 cases. Cao A, et al. **J Med Genet** 1982 Apr;19(2):81–7
Effectiveness of one tube osmotic fragility screening in detecting beta–thalassaemia trait. Kattamis C, et al. **J Med Genet** 1981 Aug;18(4):266–70
A new nonsense mutation as the molecular basis for beta thalassaemia. Gorski J, et al. **J Mol Biol** 1982 Jan 25; 154(3):537–40
Genotypic analysis of symptomatic thalassemia syndromes (A study of 292 unrelated cases from Bombay). Agarwal MB, et al. **J Postgrad Med** 1982 Jan;28(1):1–3
Globin structural mutant alpha 125Leu leads to Pro is a novel cause of alpha–thalassaemia. Goossens M, et al. **Nature** 1982 Apr 29;296(5860):864–5
Linkage of beta–thalassaemia mutations and beta–globin gene polymorphisms with DNA polymorphisms in human beta–globin gene cluster. Orkin SH, et al. **Nature** 1982 Apr 15;296(5858):627–31
Recent advances in hematology: red cell series. Miwa S. **Nippon Ketsueki Gakkai Zasshi** 1981 Dec;44(7):1277–81
Clinical presentation of thalassemia major due to homozygous beta degrees–thalassemia. Galanello R, et al. **Nouv Rev Fr Hematol** 1981;23(2):101–6
Restriction mapping of a new deletion responsible for G gamma (delta beta)o thalassemia. Jones RW, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6813–25
Structure and expression of a cloned beta o thalassaemic globin gene. Moschonas N, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4391–401
Two cloned beta thalassemia genes are associated with amber mutations at codon 39. Pergolizzi R, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):7065–72
Five nucleotide changes in the large intervening sequence of a beta globin gene in a beta+ thalassemia patient. Spence SE, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1283–94
The present status of the blocked ontogeny hypothesis of neoplasia: the thalassemia connection. Potter VR. **Oncodev Biol Med** 1981;2(4):243–66 (77 ref.)
A thalassaemia syndrome resulting from the interaction of delta–beta, beta, and alpha thalassaemia genes. A case report. Sansone G, et al. **Pathologica** 1980 Sep–Oct; 72(1021):715–21
A nucleotide change at a splice junction in the human beta–globin gene is associated with beta 0–thalassemia. Baird M, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4218–21
Genetic and molecular diversity in nondeletion Hb H disease. Higgs DR, et al. **Proc Natl Acad Sci USA** 1981 Sep; 78(9):5833–7
Three mouse models of human thalassemia. Martinell J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5056–60
Mutation in an intervening sequence splice junction in man. Orkin SH, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5041–5
Molecular comparison of delta beta–thalassemia and hereditary persistence of fetal hemoglobin DNAs: evidence of a regulatory area? Ottolenghi S, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2347–51
Deletions in the alpha–globin gene complex in alpha–thalassemic mice. Whitney JB 3d, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7644–7
Low output hemoglobins which produce the phenotype of thalassemia. Adams JG 3d, et al. **Prog Clin Biol Res** 1981; 55:81–98
Phenotypic analysis of globin gene expression: the thalassaemias. Flavell RA, et al. **Prog Clin Biol Res** 1982; 85 Pt A:25–39
Iron overload in beta–thalassaemia minor. A family study. Parfrey PS, et al. **Scand J Haematol** 1981 Oct;27(4):294–302
DNA and RNA defects in beta+ and beta 0 thalassemias. Bank A. **Tex Rep Biol Med** 1980–81;40:343–54 (74 ref.)
The alpha thalassemias. Orkin SH. **Tex Rep Biol Med** 1980–81;40:335–42 (27 ref.)
The thalassemia syndromes. Weatherall DJ. **Tex Rep Biol Med** 1980–81;40:323–33 (31 ref.)
Beta thalassemia in Sardinia in the result of a nonsense mutation. Liebhaber SA, et al. **Trans Assoc Am Physicians** 1981;94:88–96
A note on relationship between menarcheal age and beta–thalassaemia trait. Bhattacharya KK, et al. **Z Morphol Anthropol** 1982 Jan;73(1):59–61
[Hemolytic disease of the newborn and chronic hypochromic microcytic anemia in one family: gamma–delta–beta thalassemia] Oort M, et al. **Tijd Kindergeneeskd** 1981 Dec; 49(6):199–207 (Eng. Abstr.) **(Dut)**
[Identification of a polymorphic AS marker in human serum. Evidence of a linkage imbalance to the beta thalassemic locus] De Benedictis G. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2209–14 (Eng. Abstr.) **(Ita)**
[Clinical aspects of thalassemia (or microcythemia)] Bianco I. **Minerva Med** 1981 Nov 3;72(43):2865–82 (Eng. Abstr.) **(Ita)**
[Recent progress in studies on thalassemia] Ohta Y, et al. **Rinsho Byori** 1981 Jun;(46 Suppl):80–92 **(Jpn)**
[A case of beta–thalassemia minor found in a Chinese staying in Japan (author's transl)] Nozu T, et al. **Rinsho Ketsueki** 1981 Mar;22(3):400–6 (Eng. Abstr.) **(Jpn)**
[Case of hemoglobinopathy H in an Uzbek family] Tokarev IuN, et al. **Probl Gematol Pereliv Krovi** 1981 Sep;26(9):53–5 **(Rus)**

IMMUNOLOGY

Elevated IgG and decreased complement component C3 and factor B in B–thalassaemia major. Sinniah D, et al. **Acta Paediatr Scand** 1981 Jul;70(4):547–50
Coincidental nontransfusional iron overload and thalassemia minor: association with HLA–linked hemochromatosis. Edwards CQ, et al. **Blood** 1981 Oct;58(4):844–8
Erythrocytes with different surface immunological properties in the peripheral blood of beta–thalassaemic patients [letter] Berti G, et al. **Br J Haematol** 1982 Jan;50(1):175–6
Impaired T–cell mitogen responses in some patients with thalassemia intermedia. Munn CG, et al. **Thymus** 1981 Aug; 3(2):119–28
HLA–A, B, C, an DR antigen frequencies in relation to development of diabetes and variations in white cell antibody formation in highly transfused thalassemia patients. Pollack MS, et al. **Transfusion** 1982 Jul–Aug; 22(4):279–82
[Thalassemia and HLA antigens] Kolevski P, et al. **God Zb Med Fak Skopje** 1979 Jan;25:289–94 (Eng. Abstr.) **(Fre)**

METABOLISM

Prolactin responsiveness to TRH and metoclopramide in thalassaemia. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):275–82
Desferrioxamine–induced iron outputs in Cooley's anemia. Results and perspectives. Cantore N, et al. **Haematologica (Pavia)** 1981 Apr;66(2):196–207
Effect of ascorbic acid deficiency on serum ferritin concentration in patients with beta–thalassaemia major and iron overload. Chapman RW, et al. **J Clin Pathol** 1982 May;35(5):487–91
Abnormal red cell membrane proteolytic activity in severe heterozygous beta–thalassemia. Ballas SK, et al. **J Lab Clin Med** 1982 Feb;99(2):263–74
Beta–thalassemia and proteolysis. Proteolysis of excess alpha–chains in beta–thalassemia. Ballas SK, et al. **J Lab Clin Med** 1982 May;99(5):754
Iron overload in a non–transfused patient with thalassaemia intermedia. Celada A. **Scand J Haematol** 1982 Feb; 28(2):169–74
[Biochemical data in the phosphate depletion syndrome of thalassemic patient (author's transl)] Bianchi C, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):15–21 (Eng. Abstr.) **(Ita)**
[Iron metabolism in beta–thalassemia] Baĭtaeva DA, et al. **Probl Gematol Pereliv Krovi** 1981 Sep;26(9):8–11 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Haemoglobinopathies including thalassaemia. Part 2. Tropical America. Colombo B, et al. **Clin Haematol** 1981 Oct;10(3):730–56 (200 ref.)
Haemoglobinopathies including thalassaemia. Part 1: Tropical Asia. Wasi P. **Clin Haematol** 1981 Oct; 10(3):707–29 (92 ref.)
New considerations on the distribution of malaria, thalassemia, and glucose–6–phosphate dehydrogenase deficiency in Sardinia. Brown PJ. **Hum Biol** 1981 Sep; 53(3):367–82
Haemoglobin variants, beta–thalassaemia and G–6–PD types in Liberia. Willcox MC, et al. **Hum Hered** 1981; 31(6):339–47
Incidence of homozygous beta–thalassaemia in New South Wales, 1961–1976. Cowan J, et al. **Med J Aust** 1982 Jun 26;1(13):554–6
[Various forms of beta–thalassemia among children of Azerbaijan] Rustamov RSh, et al. **Probl Gematol Pereliv Krovi** 1981 Sep;26(9):3–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Spleen size changes in children with homozygous beta–thalassaemia in relation to blood transfusion. Karpathios T, et al. **Scand J Haematol** 1982 Mar; 28(3):220–6
[Retinal findings in thalassemia (author's transl)] Hammerstein W, et al. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):191–3 (Eng. Abstr.) **(Ger)**
[Skeletal changes in intermediate beta–thalassemia. Clinical and radiological study] Scutellari PN, et al. **Minerva Med** 1982 Mar 3;73(9):457–66 (Eng. Abstr.) **(Ita)**
[The evaluation of bone changes in beta–thalassaemias by xeroradiography (author's transl)] Scutellari PN, et al. **Radiol Med (Torino)** 1981 Dec;67(12):913–9 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Preclinical abnormal segmental cardiac manifestations of thalassemia major in children on transfusion–chelation therapy: echographic alterations of left ventricular posterior wall contraction and relaxation patterns. Valdes–Cruz LM, et al. **Am Heart J** 1982 Apr;103(4 Pt 1):505–11
Thoracic extramedullary hematopoiesis in thalassemia intermedia during adult life: a report of 9 cases. Camaschella C, et al. **Haematologica (Pavia)** 1981 Oct; 66(5):613–26
Calcium phosphate metabolism and bone disease in patients with homozygous thalassemia. de Vernejoul MC, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):276–81
The effects of thyrotropin–releasing hormone and luteinizing hormone–releasing hormone on growth hormone release in patients with homozygous beta–thalassaemia. Masala A, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1271–3
Echocardiographic abnormalities in thalassaemia major with multiple transfusions. Ee B, et al. **J Singapore Paediatr Soc** 1981;23(1–2):68–70
[Left ventricular function in intermediate thalassemia. A preliminary echographic study. I. Relaxation and compliance indices] Cassisa L, et al. **Boll Soc Ital Cardiol** 1980;25(6):537–40 (Eng. Abstr.) **(Ita)**
[Left ventricular function in intermediate thalassemia. A preliminary echographic study. II Evaluation of contractility] Piga G, et al. **Boll Soc Ital Cardiol** 1980; 25(6):541–4 (Eng. Abstr.) **(Ita)**
[The electrocardiogram of patients with thalassemia major in childhood] Oreto G, et al. **Minerva Cardioangiol** 1981 Jun;29(6):331–4 (Eng. Abstr.) **(Ita)**
[The endocrine status of Cooley's disease] De Luca F, et al. **Minerva Pediatr** 1981 Dec;33(24):1163–74 (56 ref.) (Eng. Abstr.) **(Ita)**
[Echocardiographic and polycardiographic findings in multiple–transfused patients with thalassemia major] Orlandi G, et al. **Pediatr Med Chir** 1982 Jan–Apr; 4(1–2):61–4 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Screening for beta–thalassaemias [editorial] **Lancet** 1981 Sep 12;2(8246):566
Screening for beta–thalassaemias [letter] Kattamis C, et al. **Lancet** 1981 Oct 24;2(8252):930

PSYCHOLOGY

Ill children have family crises too. Kraemer S. **Practitioner** 1982 Apr;226(1366):720–3

RADIOGRAPHY

The CT findings of extramedullary hematopoiesis. Papavasiliou C, et al. **Radiologe** 1982 Feb;22(2):86–7
[Dentomaxillary and maxillofacial manifestations of thalassemia major apropos of a case] Sommermater JI, et al. **Actual Odontostomatol (Paris)** 1981;(135):489–500 (Eng. Abstr.) **(Fre)**

THERAPY

Chelation therapy in beta–thalassemia major. III. The role of splenectomy in achieving iron balance. Graziano JH, et al. **J Pediatr** 1981 Nov;99(5):695–9
Zinc deficiency developing in treatment for thalassaemia. Ridley CM. **J R Soc Med** 1982 Jan;75(1):38–9
Marrow transplantation for thalassaemia. Thomas ED, et al. **Lancet** 1982 Jul 31;2(8292):227–9
Construction of a functional human suppressor tRNA gene: an approach to gene therapy for beta–thalassaemia. Temple GF, et al. **Nature** 1982 Apr 8;296(5857):537–40
Problems related to treatment of beta–thalassaemia major. Economidou J. **Paediatrician** 1982;11(3–4):157–77 (52 ref.)
Clinical management of beta–thalassemia. Graziano J, et al. **Tex Rep Biol Med** 1980–81;40:355–64 (45 ref.)
[Treatment of hematologic disorders in children by splenic artery ligation (author's transl)] Harouchi A, et al. **Chir Pediatr** 1982 Mar–Apr;23(2):109–13 (Eng. Abstr.) **(Fre)**
[Chelating therapy in beta–thalassemia] Musumeci S, et al. **Pediatr Med Chir** 1982 Jan–Apr;4(1–2):55–9 (Eng. Abstr.) **(Ita)**
[Serum ferritin in the follow–up of homozygotic beta–thalassemia treated with blood transfusion and

iron-chelating agents] Esposito L, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):479-92 (Eng. Abstr.) **(Ita)**

[Fetal hemoglobin in the follow-up of homozygous beta-thalassemia in blood transfusion treatment] Ferrara M, et al. **Pediatria (Napoli)** 1980 Dec 31;88(4):541-8 (Eng. Abstr.) **(Ita)**

THALASSOTHERAPY

Climate therapy for psoriasis at the Dead Sea, Israel. Azizi E, et al. **Isr J Med Sci** 1982 Feb;18(2):267-70

[Fluvographic research in atopic dermatitis during climatotherapy/North Sea (author's transl)] Pürschel W, et al. **Z Hautkr** 1982 Jan 1;57(1):38-46 (Eng. Abstr.) **(Ger)**

[Thalassotherapy: physiological mechanisms of its action and effectiveness] Boksha VG. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar-Apr;(2):35-40 (Eng. Abstr.) **(Rus)**

THALICARPINE see under **APORPHINES**

THALIDOMIDE

Thalidomide-like malformations caused by Tween surfactant in mice. Kocher-Becker U, et al. **Z Naturforsch [C]** 1981 Sep-Oct;36(9-10):904-6

ADVERSE EFFECTS

Dissimilar effects of thalidomide in dizygotic twins. Schmidt M, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(4):295-7

Holt Oram syndrome mistaken for thalidomide embryopathy--embryological considerations. Van Regemorter N, et al. **Eur J Pediatr** 1982 Feb;138(1):77-80

The thalidomide embryopathy. An analysis from the UK. Quibell EP. **Practitioner** 1981 May;225(1355):721-6

[Partnership and sexuality of thalidomide-affected young people (author's transl)] Weinwurm-Krause EM. **Rehabilitation (Stuttg)** 1981 Aug;20(3):128-32 (Eng. Abstr.) **(Ger)**

[The situation of thalidomide-affected young people in choosing an occupation (author's transl)] Weinwurm-Krause EM. **Rehabilitation (Stuttg)** 1981 Nov;20(4):159-64 (Eng. Abstr.) **(Ger)**

[Consequences of unexpected drug effects, beginning with contergan studies by pediatrists] Wiedemann HR. **ZFA (Stuttgart)** 1981 Sep 20;57(26):1772-7 **(Ger)**

ANALOGS & DERIVATIVES

Effects of supidimide in schizophrenic inpatients undergoing neuroleptic maintenance therapy with haloperidol. Rapisarda V, et al. **Eur J Clin Pharmacol** 1982;22(3):217-23

[Studies on the CNS activity profile of thalidomide analogs (author's transl)] Friderichs E. **Arzneimittelforsch** 1982;32(6):613-20 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Inhibition of de novo IgM antibody synthesis by thalidomide as a relevant mechanism of action in leprosy. Shannon EJ, et al. **Scand J Immunol** 1981;13(6):553-62

[PMN leukocytes chemotaxis: inhibition by thalidomide (author's transl)] Faure M, et al. **Pathol Biol (Paris)** 1981 Dec;29(10):601-4 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Thalidomide in the treatment of Behçet's syndrome [letter] Saylan T, et al. **Arch Dermatol** 1982 Aug;118(8):536

Thalidomide treatment of subacute cutaneous lupus erythematosus. Naafs B, et al. **Br J Dermatol** 1982 Jul;107(1):83-6

Iron content of skin before and after thalidomide treatment of lepra reaction. A preliminary report. Sheskin J, et al. **Dermatologica** 1981;163(2):145-50

Thalidomide [letter] Jopling WH. **Int J Dermatol** 1981 Apr;20(3):220

[Therapy of lepromatous erythema nodosum using chloramphenicol. Comparison with thalidomide. Statistical study from the Marchoux Institute] Saint-André P, et al. **Acta Leprol (Geneve)** 1981 Jul-Sep;(84):57-62 **(Fre)**

[Pyoderma gangrenosum in a child. Treatment with thalidomide (author's transl)] Venencie PY, et al. **Ann Pediatr (Paris)** 1982 Jan;29(1):67-9 (Eng. Abstr.) **(Fre)**

[Treatment of Behcet's syndrome with thalidomide (letter)] Hamza M, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1080-1 **(Fre)**

THALLIUM

Binding constants of Li+, K+, and Tl+ in the gramicidin channel determined from water permeability measurements. Dani JA, et al. **Biophys J** 1981 Aug;35(2):485-99

Proton induced reactions on natural Pb targets. A potential new cyclotron method for 201 Tl production. Lagunas-Solar MC, et al. **Int J Appl Radiat Isot** 1981 Nov;32(11):817-22

Tl2+ and Ag2+ metal-ion-induced oxidation of methionine in aqueous solution. A pulse radiolysis study. Hiller KO, et al. **Int J Radiat Biol** 1981 Dec;40(6):597-604

Comparison between modulation transfer function curves and a new type of phantom for the assessment of the Anger camera performance in 99mTc and 201Tl studies. Guidarelli G, et al. **Ric Clin Lab** 1981 Jul-Sep;11(3):271-7

[Pathomorphological changes in the liver of rats poisoned with various doses of thallium sulfate] Danilewicz M, et al. **Patol Pol** 1981;32(1):89-97 (Eng. Abstr.) **(Pol)**

BLOOD

Effect of membrane potential on the passive transport of Tl+ in human red blood cells. Skulskii IA, et al. **Acta Physiol Scand** 1981 Mar;111(3):343-8

DIAGNOSTIC USE

Accumulation of radioisotopes with tumor affinity. II. Comparison of the tumor accumulation of 67Ga-citrate and 201Tl-chloride in vitro. Muranaka A. **Acta Med Okayama** 1981 Apr;35(2):85-101

Noninvasive detection and localization of coronary stenoses in patients: comparison of resting dipyridamole and exercise thallium-201 myocardial perfusion imaging. Josephson MA, et al. **Am Heart J** 1982 Jun;103(6):1008-18

Myocardial salvage by intracoronary thrombolysis in evolving acute myocardial infarction: evaluation using intracoronary injection of thallium-201. Maddahi J, et al. **Am Heart J** 1981 Oct;102(4):664-74

Evaluation of patients with ischemic heart disease by thallium-201 myocardial imaging. Pitt B, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):784-8

Quantitative thallium-201 imaging. Beller GA, et al. **Am J Cardiol** 1982 Mar;49(4):A20-A21

Localization of coronary artery disease with exercise electrocardiography: correlation wit thallium-201 myocardial perfusion scanning. Dunn RF, et al. **Am J Cardiol** 1981 Nov;48(5):837-43

Thallium-201 myocardial scintigraphy: improved sensitivity, specificity and predictive accuracy by application of a statistical image analysis algorithm. Faris JV, et al. **Am J Cardiol** 1982 Mar;49(4):733-42

Discriminant function analysis using thallium-20 1 scintiscans and exercise stress test variables to predict the presence and extent of cornary artery disease. McCarthy DM, et al. **Am J Cardiol** 1982 Jun;49(8):1917-26

Two dimensional echocardiographic evaluation of exercise-induced left and right ventricular asynergy: correlation with thallium scanning. Maurer G, et al. **Am J Cardiol** 1981 Oct;48(4):720-7

Mechanisms and time course for the disappearance of thallium-201 defects at rest in dogs. Relation of time to peak activity to myocardial blood flow. Okada RD, et al. **Am J Cardiol** 1982 Mar;49(4):699-706

Can exercise electrocardiography and thallium-201 myocardial imaging exclude the diagnosis of coronary artery disease? Bayesian analysis of the clinical limits of exclusion and indications for coronary angiography. Patterson RE, et al. **Am J Cardiol** 1982 Apr 1;49(5):1127-35

Myocardial perfusion imaging. Ritchie JL. **Am J Cardiol** 1982 Apr 1;49(5):1341-7

Computer-enhanced thallium scintigrams in asymptomatic men with abnormal exercise tests. Uhl GS, et al. **Am J Cardiol** 1981 Dec;48(6):1037-43

Effect of cardiac drugs on imaging studies with thallous chloride Tl 201. Waschek J, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1726-8

Thallium myocardial perfusion scans for the assessment of right ventricular hypertrophy in patients with cystic fibrosis. A comparison with other noninvasive techniques. Newth CJ, et al. **Am Rev Respir Dis** 1981 Oct;124(4):463-8

Valve of early thallium-201 scintigraphy and gated blood pool imaging for predicting mortality in patients with acute myocardial infarction. Becker LC, et al. **Ann NY Acad Sci** 1982;382:450-64

Exercise thallium 201 scintigraphy and radionuclide ventriculography. Which test, for whom, and why? Iskandrian AS, et al. **Arch Intern Med** 1982 May;142(5):872-3

Clinical indications for thallium-201 myocardial perfusion scanning. Dunn RF, et al. **Aust NZ J Med** 1982 Jun;12(3):294-301 (31 ref.)

Coronary heart disease. Myocardial perfusion study (201 T1). Penne R, et al. **Bol Asoc Med PR** 1981 Jul;73(7):341-3

Effect of stenosed and occluded coronary arteries on immediate and late myocardial uptake of thallium-201. Clitsakis D, et al. **Br Heart J** 1981 Aug;46(2):186-9

Thallium-201 myocardial imaging in patients with dilated and ischaemic cardiomyopathy. Saltissi S, et al. **Br Heart J** 1981 Sep;46(3):290-5

Thallium-201-chloride thyroid scintigraphy to evaluate benign and/or malignant nodules: usefulness of the delayed scan. Ochi H, et al. **Cancer** 1982 Jul 15;50(2):236-40

Prognostic value of thallium-201 stress myocardial scintigraphy with exercise ECG after myocardial infarction. Smeets JP, et al. **Cardiology** 1981;68 Suppl 2:67-70

The use of thallium 201 myocardial imaging to exclude myocardial infarction after dissection in congenital coarctation of the aorta. Halon DA, et al. **Chest** 1981 Oct;80(4):518-20

Thallium-201 scintigraphy after surgical repair of hemodynamically significant primary coronary artery anomalies. Rajfer SI, et al. **Chest** 1982 Jun;81(6):687-92

Tomographic thallium-201 myocardial perfusion scintigrams after maximal coronary artery vasodilation with intravenous dipyridamole. Comparison of qualitative and quantitative approaches. Francisco DA, et al. **Circulation** 1982 Aug;66(2):370-9

Myocardial thallium-201 kinetics. Gewirtz H, et al. **Circulation** 1982 Apr;65(4):834-6

Serial thallium-201 myocardial imaging after dipyridamole infusion: diagnostic utility in detecting coronary stenoses and relationship to regional wall motion. Leppo J, et al. **Circulation** 1982 Sep;66(3):649-57

Improved noninvasive assessment of coronary artery disease by quantitative analysis of regional stress myocardial distribution and washout of thallium-201. Maddahi J, et al. **Circulation** 1981 Nov;64(5):924-35

Use of thallium-201 redistribution scintigraphy in the preoperative differentiation of reversible and nonreversible myocardial asynergy. Rozanski A, et al. **Circulation** 1981 Nov;64(5):936-44

Thrombolysis in acute myocardial infarction using intracoronary streptokinase: assessment by thallium-201 scintigraphy. Schuler G, et al. **Circulation** 1982 Sep;66(3):658-64

Slow late myocardial clearance of thallium: a characteristic phenomenon in coronary artery disease. Sklar J, et al. **Circulation** 1982 Jun;65(7):1504-10

Pathophysiologic correlates of right ventricular thallium-201 uptake in a canine model. Wackers FJ, et al. **Circulation** 1981 Dec;64(6):1256-64

Exercise 201thallium myocardial scans in patients with disease limited to the secondary branches of the left coronary system. Iskandrian AS, et al. **Clin Cardiol** 1979 Apr;2(2):121-5

Visualization of hypertrophied papillary muscle mimicking left ventricular mass on gated blood pool and T1-201 myocardial perfusion imaging. Bunko H, et al. **Clin Nucl Med** 1981 Dec;6(12):571-4

Improved computerized quantitation of Tl-201 myocardial scintigrams by combining two views. Llaurado JG, et al. **Clin Nucl Med** 1982 Jun;7(6):253-64

Angiocardiography with the seven-pinhole collimator: evaluation of methodology and accuracy in assessing global and regional left ventricular function. Myers RW, et al. **Clin Nucl Med** 1982 Apr;7(4):151-6

Clinical evaluation of emission tomography using seven-pinhole collimator: improved detection of perfusion defect by the addition of the right anterior oblique projection. Tamaki N, et al. **Clin Nucl Med** 1982 Apr;7(4):157-60

A benign cause for extra-cardiac thallium accumulation. Vij M, et al. **Clin Nucl Med** 1981 Dec;6(12):568-70

Comments on quantitative test evaluation [editorial] Watson DD. **Clin Nucl Med** 1982 Jun;7(6):300-2

Thallium myocardial imaging: recent experience using a coronary vasodilator. Wilde P, et al. **Clin Radiol** 1982 Jan;33(1):43-50

Myocardial thallium 201 imaging in hypertrophic obstructive cardiomyopathy. Hanrath P, et al. **Eur Heart J** 1981 Jun;2(3):177-85

Segmental analysis of stress thallium 201 scintigraphy for the diagnosis and localization of coronary artery disease. Legrand V, et al. **Eur Heart J** 1982 Apr;3(2):114-21

Stress thallium-201 myocardial scintigraphy. Review of methodological problems and proposal for standardization. Rigo P, et al. **Eur Heart J** 1980 Feb;1(1):81-7 (58 ref.)

Comparison of dipyridamole and treadmill exercise for enhancing thallium-201 perfusion defects in patients with coronary artery disease. Timmis AD, et al. **Eur Heart J** 1980 Aug;1(4):275-80

Myocardial perfusion imaging with thallium-201 to assess left ventricular hypertrophy and regional ischaemia in hypertensive patients. Folmer SC, et al. **Eur J Clin Invest** 1981 Aug;11(4):291-7

Evaluation of bedside myocardial scintigraphy with 201Tl in acute myocardial infarction. Decramer M, et al. **Eur J Nucl Med** 1982;7(5):200-3

Evaluation of myocardial perfusion and left ventricular function by 201Tl scintigraphy after dipyridamole. Demangeat JL, et al. **Eur J Nucl Med** 1981;6(11):491-503

Myocardial imaging with dipyridamole: comparison of the sensitivity and specificity of 201Tl versus MUGA. Harris D, et al. **Eur J Nucl Med** 1982;7(1):1-5

Processing of 201Tl serial images for the assessment of myocardial clearance and redistribution. Knapp WH, et al. **Eur J Nucl Med** 1982;7(6):248-53

Correlation of an abnormal rest 201Tl myocardial image: pathological findings in cardiac transplant recipients. McKillop JH, et al. **Eur J Nucl Med** 1982;7(6):243-7

Ischemia-induced transient left bundle branch block during exercise documented by 201Tl perfusion imaging. Meyer-Pavel CM, et al. **Eur J Nucl Med** 1982;7(1):44-6

Single photon tomographic imaging of a standard heart phantom with 201T1: a gamma camera based system. Ritchie JL, et al. **Eur J Nucl Med** 1982;7(6):254-9

Detection of lesions in thallium-201 myocardial perfusion scintigraphy. Vos PH, et al. **Eur J Nucl Med** 1982;7(4):174-80

Thallium image of ventricular aneurysm. Yeh EL. **Eur J Nucl Med** 1982;7(6):288-90

Radiation exposure in nuclear cardiovascular studies. Syed IB, et al. **Health Phys** 1982 Feb;42(2):159-63

The value of thallium exercise testing in patients with

coronary artery disease. McCarthy DM. **Int J Cardiol** 1981; 1(1):7–14 (20 ref.)

Selection of patients for coronary arteriography with thallium-201: operating position on the receiver operating characteristic curve. Nusynowitz ML, et al. **Int J Nucl Med Biol** 1981;8(2–3):204–8

A new noninvasive evaluation of muscular lesions in dermatomyositis: thallium 201 muscle scans. Guillet GY, et al. **J Am Acad Dermatol** 1981 Dec;5(6):670–2

Myocardial kinetics of thallium-201 after dipyridamole infusion in normal canine myocardium and in myocardium distal to a stenosis. Okada RD, et al. **J Clin Invest** 1982 Jan;69(1):199–209

Comparison of 180 degrees and 360 degrees data collection in thallium-20 1 imaging using single-photon emission computerized tomography (SPECT): concise communication. Coleman RE, et al. **J Nucl Med** 1982 Aug; 23(8):655–60

Comparison of myocardial thallium-201 clearance after maximal and submaximal exercise: implications for diagnosis of coronary disease: concise communication. Massie BM, et al. **J Nucl Med** 1982 May;23(5):381–5

A comparison between conventional scintigraphy and emission tomography with thallium-201 in the detection of myocardial infarction: concise communication. Maublant J, et al. **J Nucl Med** 1982 Mar;23(3):204–8

Myocardial imaging in dogs treated with grisorixin: relationship between thallium-201 uptake and coronary biood flow. Moins N, et al. **J Nucl Med** 1982 Apr; 23(4):330–6

Tomographic imaging of the heart with thallium-201: seven-pinhole or rotating gamma camera? [editorial] Mullani NA, et al. **J Nucl Med** 1981 Oct;22(10):925–6

Comparison of Tl-201 chloride and Ga-67 citrate scintigraphy in the diagnosis of thyroid tumor: concise communication. Senga O, et al. **J Nucl Med** 1982 Mar; 23(3):225–8

Re: spatial and temporal quantitation of plane thallium myocardial images [letter] Sklar J, et al. **J Nucl Med** 1982 May;23(5):454–5

Comparative study of thallium emission myocardial tomography with 180 degrees and 360 degrees data collection. Tamaki N, et al. **J Nucl Med** 1982 Aug; 23(8):661–6

Clinical evaluation of thallium-201 emission myocardial tomography using a rotating gamma camera: comparison with seven-pinhole tomography. Tamaki N, et al. **J Nucl Med** 1981 Oct;22(10):849–55

Parathyroid scintigraphy with 131Cs and 201Tl. Ferlin G, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep;25(3):119–23

Correlative studies between Frank vectorcardiograms and thallium-201 myocardial perfusion images in patients with old anterior myocardial infarction. Kawai N, et al. **Jpn Circ J** 1982 Jul;46(7):684–92

The usefulness of thallium-201 myocardial perfusion scintigraphy in the diagnosis of chronic cor pulmonale. Kawai S, et al. **Jpn Circ J** 1981 Sep;45(9):1003–13

Clinical evaluation of stress myocardial scintigraphy with thallium-201 in patients with ischemic heart disease. Semiquantitative analysis of single dose myocardial imaging. Nakashima Y, et al. **Jpn Circ J** 1982 Mar; 46(3):245–51

Quantitative estimation of the right ventricular overloading by thallium-201 myocardial scintigraphy. Owada K, et al. **Jpn Circ J** 1982 Jul;46(7):715–24

Analysis of myocardial imaging data by mathematical kinetic model and two-successive imaging method by thallium-201 in man. Aizawa Y. **Jpn Heart J** 1981 Nov;22(6):895–902

A study on the noninvasive evaluation of coronary vasodilating drugs with Thallium-201 myocardial imagings. Sone T, et al. **Jpn Heart J** 1981 Sep;22(5):763–71

Diagnostic usefulness of 201Tl-chloride scintigraphy for preoperative localization of parathyroid tumors. Makiuchi M, et al. **Jpn J Surg** 1981;11(3):162–6

Quantitation of thallium-201 myocardial washout by serial rest myocardial imaging. Narita M, et al. **Kaku Igaku** 1981 Aug;18(7):899–906

Computerized study with 201T1 of the cold thyroid node. Palermo F, et al. **Nuklearmedizin** 1982 Feb;21(1):23–9

The role of nuclear imaging in patients with acute myocardial infarction. Williams BR. **Primary Care** 1981 Sep; 8(3):399–413 (28 ref.)

High-contrast film copying for thallium 201 cardiac image processing. Park HM, et al. **Radiology** 1982 Jul;144(2):435–7

201Tl perfusion study of 'ischemic' ulcers of the leg: prognostic ability compared with Doppler ultrasound. Siegel ME, et al. **Radiology** 1982 Apr;143(1):233–5

Critical review-current status of T1-201 myocardial scintigraphy in patients with ischemic heart disease. Kanemoto N, et al. **Tokai J Exp Clin Med** 1982 Mar; 7(2):213–32

[Study of myocardial perfusion with 201Tl during physical loading and at rest using a gamma-camera with an EC 1020 computer] Sheiretova E, et al. **Vutr Boles** 1982; 21(2):112–7 **(Bul)**

[Our experience with myocardial scintiscan using 201Tl (author's transl)] Hrubá J, et al. **Cas Lek Cesk** 1982 Feb 12;121(10):293–9 (Eng. Abstr.) **(Cze)**

[Indirect evaluation of effort angina. Automatic and traditional analysis of the ST segment, the amplitude of the R wave and thallium scintiscanning (author's transl)] Stoupel E, et al. **Ann Cardiol Angeiol (Paris)** 1981 May; 30(3):207–10 (Eng. Abstr.) **(Fre)**

[Thallium 201 myocardial scintigraphy during exercise in coronary disease] Aliot E, et al. **Cardiology** 1981;68 Suppl 1:45–54 **(Fre)**

[Dipyridamole test in the evaluation of coronary circulation and cardiac function using 201Tl myocardial scintigraphy] Mossard JM, et al. **Cardiology** 1981;68 Suppl 1:55–61 **(Fre)**

[Overall and regional sensitivity of myocardial thallium-201 scintigraphy compared with the number and location of coronary lesions and the presence of previous myocardial infarction] Righetti A, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1646–9 (Eng. Abstr.) **(Fre)**

[Importance of the exercise electrocardiogram and of thallium scintigraphy of the myocardium in the evaluation of patients referred for percutaneous transluminal coronary angioplasty] Brévers G, et al. **Union Med Can** 1982 Jan; 111(1):32–6, 78 (Eng. Abstr.) **(Fre)**

[201Tl scintigraphy of the myocardium in patients with coronary occlusion and normal coronarogram (author's transl)] Ramos M, et al. **Nuklearmedizin** 1982 Apr; 21(2):59–61 **(Ger)**

[Myocardial scintigraphy using thallium-201 during rest and exertion in coronary disease] Neumann G, et al. **Radiol Diagn (Berl)** 1981;22(5):682–9 (Eng. Abstr.) **(Ger)**

[Errors in interpretation of myocardial perfusion scintigrams with 201thallium due to poor quality scans (author's transl)] Bobosch KH, et al. **ROFO** 1982 May;136(5):560–3 (Eng. Abstr.) **(Ger)**

[Myocardial scintigraphy using thallium-201 – principles and method] Dressler J. **Rontgenpraxis** 1981;34(3):110–6 **(Ger)**

[Can ischemia-induced wall motion abnormalities of the left ventricle be predicted by non-invasive thallium-201 scintigraphy? Comparison with the ventriculography test] Pfisterer M, et al. **Schweiz Med Wochenschr** 1980 Nov 8; 110(45):1643–5 (Eng. Abstr.) **(Ger)**

[Thallium-201 myocardial scintigraphy at rest and under stress] Neumann G, et al. **Z Gesamte Inn Med** 1981 May 1;36(9):282–7 **(Ger)**

[201-thallium myocardial scintigraphy] Schoen HD. **ZFA (Stuttgart)** 1982 May 20;58(14):792–800 **(Ger)**

[Experience with myocardial scintigraphy in myocardial infarct (thallium 201-chloride studies)] Csernay L, et al. **Orv Hetil** 1982 Jan 10;123(2):75–81 **(Hun)**

[Right ventricle myocardial infarction: scintigraphic and echocardiographic findings. A case report (author's transl)] Ferranti E, et al. **G Ital Cardiol** 1981;11(12):2249–53 (Eng. Abstr.) **(Ita)**

[Comparison between M-mode echocardiography and 201thallium myocardial scintigraphy for diagnosis of transient myocardial ischemia (author's transl)] Rovai D, et al. **G Ital Cardiol** 1981;11(12):1988–95 (Eng. Abstr.) **(Ita)**

[Use of radioisotopes in the evaluation of coronary disease] Addarii F, et al. **Minerva Med** 1982 Jan 14;73(1-2):1–10 (Eng. Abstr.) **(Ita)**

[Differential diagnosis of idiopathic congestive cardiomyopathy and ischemic heart disease by echocardiography and 201Tl-myocardial scintigraphy (author's transl)] Inoh T, et al. **J Cardiogr** 1981 Dec; 11(4):1101–12 (Eng. Abstr.) **(Jpn)**

[H/S ratio as a new index for myocardial 201Tl uptake (author's transl)] Bunko H, et al. **Kaku Igaku** 1981 Nov; 18(9):1263–9 (Eng. Abstr.) **(Jpn)**

[Thallium-201 myocardial scintigraphy on coronary vasodilator, dipyridamole: assessment of regional coronary perfusion reserve (author's transl)] Futatsuya R, et al. **Kaku Igaku** 1981 Nov;18(9):1287–94 (Eng. Abstr.) **(Jpn)**

[Canine myocardial images by 201thallium-Cl scintigraphy after coronary occlusion with and without reperfusion (author's transl)] Kaneko Y. **Kaku Igaku** 1981 Feb; 18(1):23–39 (Eng. Abstr.) **(Jpn)**

[Assessment of reversibility of ischemic myocardium by thallium-201 redistribution in patients with acute myocardial infarction (author's transl)] Kondo M, et al. **Kaku Igaku** 1982 Feb;19(1):39–49 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of 201 Tl-chloride scintigraphy for the preoperative identification of the abnormal parathyroid (author's transl)] Nakanishi F, et al. **Kaku Igaku** 1981 Apr; 18(3):309–14 (Eng. Abstr.) **(Jpn)**

[Value and limitation of seven-pinhole emission tomography with thallium-201 in patients with prior myocardial infarction (author's transl)] Nishimura T, et al. **Kaku Igaku** 1981 Nov;18(9):1271–85 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of 201Tl-chloride scintigraphy for bone lesions (author's transl)] Shishido F, et al. **Kaku Igaku** 1981 May;18(4):455–62 (Eng. Abstr.) **(Jpn)**

[Evaluation of emission computed tomography using a rotating gamma camera for thallium-201 myocardial imaging: (2) clinical study (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Jul;18(6):801–8 (Eng. Abstr.) **(Jpn)**

[Measurement of regional myocardial blood flow by intracoronary arterial injection of 133Xe--comparison with 201Tl myocardial scintigraphy (author's transl)] Yonekura Y, et al. **Kaku Igaku** 1981 Apr;18(3):293–301 (Eng. Abstr.) **(Jpn)**

[Postoperative thallium-201 myocardial scintigram--evidence of the regression of right ventricular hypertrophy (author's transl)] Tsugu T, et al. **Kokyu To Junkan** 1982 Jan;30(1):81–5 (Eng. Abstr.) **(Jpn)**

[Assessment of myocardial blood flow after aortocoronary bypass surgery by exercise thallium-201 perfusion scintigraphy (author's transl)] Fujiwara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar;30(3):319–24 (Eng. Abstr.) **(Jpn)**

[Studies on the diagnosis of uterine tumor by 201-thallium-chloride (author's transl)] Tobari C, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1721–30 (Eng. Abstr.) **(Jpn)**

[A study of the quantification of (201)TI myocardial scintigrams of prior myocardial infarctions and their influence on left ventricular function (author's transl)] Shiraishi T, et al. **Radioisotopes** 1980 Oct;29(10):479–83 (Eng. Abstr.) **(Jpn)**

[Quantitative evaluation of serial 201Tl Myocardial scintigrams after stress testing in ischemic heart disease (author's transl)] Watanabe Y, et al. **Radioisotopes** 1981 May;30(5):268–74 (Eng. Abstr.) **(Jpn)**

[Comparative study of multiplanar imaging and tomographic imaging of the myocardium with Tl-201 (author's transl)] Bunko H, et al. **Rinsho Hoshasen** 1982 May;27(5):497–505 (Eng. Abstr.) **(Jpn)**

[201 T1 myocardial imaging of acute myocardial infarction (author's transl)] Hikita C, et al. **Rinsho Hoshasen** 1981 Jul;26(7):811–2 **(Jpn)**

[Quantitative analysis of myocardial imaging by thallium-201 (author's transl)] Kamei K, et al. **Rinsho Hoshasen** 1982 Mar;27(3):329–33 (Eng. Abstr.) **(Jpn)**

[A perfusion defect in the case of a sarcoid heart by thallium-201 myocardial perfusion imaging (author's transl)] Nishimura T, et al. **Rinsho Hoshasen** 1981 Apr; 26(4):509–12 (Eng. Abstr.) **(Jpn)**

[Lung tumor: gallium 87 citrate and thallium 201 chloride (author's transl)] Tonami N, et al. **Rinsho Hoshasen** 1981 Jul;26(7):745–50 (Eng. Abstr.) **(Jpn)**

[Myocardial scintillography with thallium 201 in patients with mitral valve prolapse, with or without coronary disease] de Moraes AG, et al. **Arq Bras Cardiol** 1981 Jun; 36(6):377–86 (Eng. Abstr.) **(Por)**

METABOLISM

Thallium-201: autoradiography in pigmented mice and melanin-binding in vitro. Tjälve H, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):147–53

The excretion of thallium (I)-ions into the gastrointestinal tract in situ of rats. Henning CH, et al. **Arch Toxicol** 1982 Jan;49(2):149–58

Movement of thallium (I) ions in vitro. Schäfer SG, et al. **Arch Toxicol** 1981 Nov;48(4):271–9

Organ/tissue disposition of thallium in pregnant rats. Sabbioni E, et al. **Arch Toxicol [Suppl]** 1982;5:225–30

Thallous ion interaction with gramicidin incorporated in micelles studied by thallium-205 nuclear magnetic resonance. Hinton JF, et al. **Biochemistry** 1982 Feb 16; 21(4):651–4

Thallium-205 nuclear magnetic resonance study of the thallium(I)-gramicidin A association in trifluoroethanol. Turner GL, et al. **Biochemistry** 1982 Feb 16;21(4):646–51

Pulmonary uptake of thallium 201 in acute pulmonary oedema. Lahiri A, et al. **Br J Radiol** 1982 Jun;55(654):460–2

Physiological influences on perfusion imaging in transient myocardial ischaemia: importance of early distribution of thallium-201. Patterson RE, et al. **Cardiovasc Res** 1982 Jan; 16(1):47–54

Effect of coronary blood flow on thallium-201 uptake and washout. Nishiyama H, et al. **Circulation** 1982 Mar; 65(3):534–42

Thallium-201 kinetics in nonischemic canine myocardium. Okada RD, et al. **Circulation** 1982 Jan;65(1):70–7

Gamma camera quantitation of thallium-210 redistribution at rest in a dog model. Steingart RM, et al. **Circulation** 1982 Mar;65(3):542–50

Excessive thallium absorption among a population living near a thallium emitting cement plant. Brockhaus A, et al. **Dev Toxicol Environ Sci** 1980;8:565–8

Metabolic patterns of low and toxic doses of thallium in the rat. Sabbioni E, et al. **Dev Toxicol Environ Sci** 1980; 8:559–64

Uptake of thallous ions by mitochondria is stimulated by nonactin but not by respiration alone. Skulskii IA, et al. **Eur J Biochem** 1981 Nov;120(2):263–6

The effect of diphenylhydantoin (Dilantin) on thallium-201 chloride uptake. Schachner ER, et al. **Eur J Nucl Med** 1981 Dec;6(12):585–6

New aspects of the uptake of thallous ion into myocardial tissue. Rinck PA, et al. **Eur J Radiol** 1981 May;1(2):173–7

Testicular-scrotal content of 201Tl and 67 Ga after intravenous administration. Gupta SM, et al. **Int J Nucl Med Biol** 1981;8(2–3):211–2

Myocardial kinetics and organ distribution of thallium-201 in two different age groups of rats. Madden JA, et al. **J Gerontol** 1982 Jan;37(1):16–23

Thallium interaction with the gastric (K, H)-ATPase. Rabon EC, et al. **J Membr Biol** 1981;62(1-2):19–27

Assessment of drugs by functional imaging of thallium-201 distribution in the dog. Maublant J, et al. **J Nucl Med** 1981 Oct;22(10):921–4

Thallium distribution in ischemic skin flaps. Rees R, et al. **J Surg Res** 1982 May;32(5):507–14

Myocardial uptake of thallous ion in animals. Rinck PA, et al. **ROFO** 1982 Jun;136(6):679–80

Wholebody autoradiographic study after a single dose of 204

thallium in young rats. Fagerholm P, et al. **Scand J Dent Res** 1982 Feb;90(1):14–9
Placental transfer and retention of 201Ti-thallium in the rat. Rade JE, et al. **Toxicol Lett** 1982 May;11(3-4):275–80
[Distribution of radiothallium in organs and tumors in mice (author's transl)] Sun QX, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):192–6 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Thallous ion activation of p-nitrophenylphosphatase of rat myometrium plasma membrane. Grover AK, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1180–3
Maximizing the information from thallium studies. Logic JR. **Clin Nucl Med** 1981 Oct;6(10S):P110–6
Inhibition of active K transport in the isolated midgut of Hyalophora cecropia by Tl+. Zerahn K. **J Exp Biol** 1982 Feb;96:307–13
[Effect of thallium on enzyme activity and unidirectional sodium transport in frog skin] Skul'skiĭ IA, et al. **Tsitologiia** 1982 Feb;24(2):188–94 (Eng. Abstr.) **(Rus)**

POISONING

Thallium ingestion with survival: ineffectiveness of peritoneal dialysis and potassium chloride diuresis. Koshy KM, et al. **Clin Toxicol** 1981 May;18(5):521–5
Management of thallium poisoning. Thompson DF. **Clin Toxicol** 1981 Aug;18(8):979–90 (49 ref.)
Intake and health effects of thallium among a population living in the vicinity of a cement plant emitting thallium containing dust. Brockhaus A, et al. **Int Arch Occup Environ Health** 1981;48(4):375–89
Thallium poisoning. (A case report). Sawant BN, et al. **J Assoc Physicians India** 1981 Sep;29(9):783–5
[Toxicologic course studies in thallium poisoning] Erkens M, et al. **Beitr Gerichtl Med** 1981;39:157–61 **(Ger)**
[Loss of wool in sheep following experimental thallium poisoning] Spikermann AR. **DTW** 1981 Jun 5;88(6):252–3 **(Ger)**
[Thallium polyneuropathy] Feudell P. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Jan;34(1):23–5 (Eng. Abstr.) **(Ger)**
[Thallium poisoning] Schrader G. **ZFA (Stuttgart)** 1982 Mar 20;58(8):485–7 **(Ger)**
[Pregnancy and labor complicated by acute thallium poisoning. Case report] Caso G, et al. **Riv Neurobiol** 1980 Oct-Dec;26(4):490–5 (Eng. Abstr.) **(Ita)**

THANATOLOGY see under **DEATH**

THC see **TETRAHYDROCANNABINOL**

THEBAINE

ANALOGS & DERIVATIVES

Analgesic activity and toxicity of oripavine and phi-dihydrothebaine in the mouse and rat. Yeh SY. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):223–40
Dependence potential of oripavine. **Bull Narc** 1981; 33(3):29–35 (7 ref.)
6-Demethoxythebaine and its conversion to analgesics of the 6,14-ethenomorphinan type. Hutchins CW, et al. **J Med Chem** 1981 Jul;24(7):773–7

METABOLISM

Thebaine metabolites in the urine of rhesus monkeys. Yamazoe Y, et al. **Jpn J Pharmacol** 1981 Jun;31(3):433–42

THECA CELL TUMOR

COMPLICATIONS

Fetal and maternal virilization associated with pregnancy. A case report and review of the literature. Cohen DA, et al. **Am J Dis Child** 1982 Apr;136(4):353–6

DIAGNOSIS

[Diagnosis of granulosa and theca cell tumor of the ovary (with clinical and pathological analysis) (author's transl)] Lang JH. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul; 16(3):165–9 **(Chi)**
[A rare case of bilateral thecoma] Signorelli R, et al. **Minerva Ginecol** 1982 Mar;34(3):159–64 **(Ita)**

ETIOLOGY

Development of ovarian tumors experimentally studied in mice by 60Co-ray irradiation. Yakushiji M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1989–94
[Pathomorphological study on the process of the generation of an experimental ovarian tumor by intra-spleen ovarian autografting in a rat (author's transl)] Imamura M. **Igaku Kenkyu** 1980 Jun;50(5):419–26 (Eng. Abstr.) **(Jpn)**

METABOLISM

Progestin- and androgen-binding components in a human granulosa-theca cell tumor. Young PC, et al. **Gynecol Oncol** 1982 Jun;13(3):309–17
In vivo steroid studies in luteoma of pregnancy. Nagamani M, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):105S–11S

PATHOLOGY

Granulosa theca cell tumors in premenarchal girls: a clinical and pathologic study of ten cases. Lack EE, et al. **Cancer** 1981 Oct 15;48(8):1846–54
Malignant fibrothecoma: pathomorphological comments. Hălălău F, et al. **Morphol Embryol (Bucur)** 1982 Apr-Jun; 28(2):173–5
[Granulosa and theca cell tumor---clinicopathologic analysis of 57 cases (author's transl)] Ren YH. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):100–3 **(Chi)**
[Thecomas and granulosa cell tumors: clinical, morphological and therapeutic aspects] de Lima GR, et al. **Rev Paul Med** 1981 Jan-Mar;97(1-3):1–11 (Eng. Abstr.) **(Por)**
[Malignancy of hormonally active ovarian tumors] Kozachenko VP, et al. **Vopr Onkol** 1981;27(10):40–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Virilising luteoma during pregnancy. A case report and a review of the literature (author's transl)] Vigneropn N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):147–53 (33 ref.) (Eng. Abstr.) **(Fre)**

VETERINARY

[Granulosa and theca cell tumors in cattle. (Observations in 13 cases)] Tontis A, et al. **Schweiz Arch Tierheilkd** 1982 May;124(5):233–43 (Eng. Abstr.) **(Ger)**

THECA CELLS

CYTOLOGY

Cellular junctions in perifollicular contractile tissue of the rat ovary during the preovulatory period. Capps ML, et al. **Cell Tissue Res** 1981;219(1):133–41

METABOLISM

[Estrogen, androgen, and progesterone biosynthesis by theca and granulosa of preovulatory follicles in the pig. Evans G, et al. **Biol Reprod** 1981 Nov;25(4):673–82
Theca is the source of progesterone in experimentally induced atretic follicles of the hamster. Terranova PF, et al. **Biol Reprod** 1982 May;26(4):721–7
Characteristic impregnation of osmium tetroxide in the mouse steroid hormone secreting cells. Sawano F. **Hiroshima J Med Sci** 1981 Jun;30(2):55–9
Steroid and adenosine 3',5'-monophosphate formation in granulosa and thecal cells from human preovulatory follicles in response to human chorionic gonadotropin. Dennefors BL, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):436–41
[Studies on steroidogenesis of isolated granulosa cells and thecal tissue in tissue culture--with special reference to polycystic ovary syndrome (author's transl)] Yoshimura Y. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1005–14 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 25-1982. Amenorrhea, virilization, and hyperpigmentation in a 15-year-old girl. **N Engl J Med** 1982 Jun 24;306(25):1537–44
Long-standing virilism in a woman with hyperplasia and neoplasia of ovarian lipidic cells. Davidson BJ, et al. **Obstet Gynecol** 1981 Dec;58(6):753–9

PHYSIOLOGY

Functional and morphological differentiation of theca and granulosa cells during pregnancy in the rat: dependence on increased basal luteinizing hormone activity. Carson RS, et al. **Endocrinology** 1981 Nov;109(5):1433–41
Identification of the ovulatory follicle in the ewe: associated changes in follicular size, thecal and granulosa cell luteinizing hormone receptors, antral fluid steroids, and circulating hormones during the preovulatory period. Webb R, et al. **Endocrinology** 1982 Mar;110(3):873–81
Changes in the plasma concentrations of luteinizing hormone, progesterone, oestradiol and testosterone and in the binding of follicle-stimulating hormone to the theca of follicles during the ovulation cycle of the hen (Gallus domesticus). Etches RJ, et al. **J Endocrinol** 1981 Oct;91(1):11–22

SECRETION

Estrogen and progesterone secretion by isolated cultured porcine thecal and granulosa cells. Stoklosowa S, et al. **Biol Reprod** 1982 Jun;26(5):943–52

ULTRASTRUCTURE

Structure-function relationships in the wall of the ovarian follicle. O'Shea JD. **Aust J Biol Sci** 1981;34(4):379–94 (99 ref.)
Ultrastructural changes of the stigma of the follicle during the process of ovulation in the hen. Yoshimura Y, et al. **Cell Tissue Res** 1982;224(2):349–59
DNA replication in polytene chromosomes: similarity of termination patterns in somatic and germ-line derived polytene chromosomes of Anopheles stephensi Liston (Diptera: Culicidae). Redfern CP. **Chromosoma** 1981; 84(1):33–47
Gap junctions in Theca internal cells of developing and atretic follicles. Familiari G, et al. **Prog Clin Biol Res** 1981; 59B:337–48

THECOMA see **THECA CELL TUMOR**

THEFT

EEG antecedents of thievery. Petersén KG, et al. **Acta Psychiatr Scand** 1982 May;65(5):331–8
Shoplifting. Gibbens TC. **Br J Psychiatry** 1981 Apr;138:346–7
Management of compulsive shoplifting through covert sensitization. Gauthier J, et al. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):73–5
A behavioral approach to stealing: a proposal for treatment based on ten cases. Henderson JQ. **J Behav Ther Exp Psychiatry** 1981 Sep;12(3):231–6
Attitudinal correlates of employee theft of drugs and hospital supplies among nursing personnel. Jones JW. **Nurs Res** 1981 Nov-Dec;30(6):349–51
Use of Sidman avoidance to increase door-locking behavior among college students living in residence halls. Hughey AW. **Psychol Rep** 1982 Jun;50(3 Pt 2):1055–8

PREVENTION & CONTROL

Management participation key to successful loss prevention [interview] Morse GP. **Hospitals** 1981 Nov 1;55(21):52, 55
An effective material and method for casting vehicle identification numbers. Klees GS. **J Forensic Sci Soc** 1981 Oct;21(4):347–8
Office self-defense. Valancy J. **Ohio State Med J** 1982 Jan; 78(1):27–8, 38

THEILERIASIS

BLOOD

The incorporation of radio-labelled nucleic acid precursors by Theileria parva in bovine blood and salivary glands of Rhipicephalus appendiculatus ticks. Irvin AD, et al. **Int J Parasitol** 1981 Dec;11(6):451–6
A comparative study of the disease in cattle caused by Theileria parva or T. lawrencei: II. Hematology, clinical chemistry, coagulation studies and complement. Maxie MG, et al. **Vet Parasitol** 1982 Mar;10(1):1–19

DRUG THERAPY

The use of imidocarb dipropionate for the treatment of Theileria sergenti infections of cattle. Purnell RE, et al. **Aust Vet J** 1981 May;57(5):224–6
Comparison of the antitheilerial effect of Wellcome 993C and halofuginone. Morgan DW, et al. **Res Vet Sci** 1982 Jan;32(1):84–8
Antitheilerial activity of the coccidiostat monensin. McHardy N, et al. **Trop Anim Health Prod** 1982 Feb;14(1):13–4
Treatment of stabilate-induced East Coast fever with menoctone. McHardy N, et al. **Trop Anim Health Prod** 1981 Nov;13(4):227–39
Chemotherapy of Sarcosporidiosis and theileriosis in domestic animals. Voigt WP, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):256–9

IMMUNOLOGY

Bovine immune response to Theileria parva: neutralizing antibodies to sporozoites. Musoke AJ, et al. **Immunology** 1982 Apr;45(4):663–8
Proliferation and lymphocyte stimulatory capacity of Theileria-infected lymphoblastoid cells before and after the elimination of intracellular parasites. Pinder M, et al. **Immunology** 1981 Sep;44(1):51–60
Generation of cell-mediated cytotoxicity to Theileria parva (East Coast fever) after inoculation of cattle with parasitized lymphoblasts. Emery DL, et al. **J Immunol** 1982 Jan;128(1):195–200
Studies on the induction and specificity of cytotoxicity to Theileria-transformed cell lines. Pearson TW, et al. **J Immunol** 1982 Jun;128(6):2509–13
Cell mediated immunity in theileriosis [news] Cox FE. **Nature** 1982 Jan 7;295(5844):14
Immunological aspects of Theileria annulata infection calves. 2. Production of macrophage migration inhibition factor (MIF) by sensitized lymphocytes from Theileria annulata-infected calves. Rehbein G, et al. **Tropenmed Parasitol** 1981 Sep;32(3):154–6
Immunization of sheep against Theileria hirci infection with schizonts propagated in tissue culture. Hawa NJ, et al. **Vet Parasitol** 1981 Dec;9(2):91–7

PARASITOLOGY

The entry of sporozoites of Theileria parva into bovine lymphocytes in vitro. Electron microscopic observations. Fawcett DW, et al. **Eur J Cell Biol** 1982 Apr;27(1):10–21
Theileria parva: early events in the development of bovine lymphoblastoid cell lines persistently infected with macroschizonts. Kurtti TJ, et al. **Exp Parasitol** 1981 Oct; 52(2):280–90
Theileria parva: kinetics of infection in the lymphoid system

of cattle. Morrison WI, et al. **Exp Parasitol** 1981 Oct; 52(2):248–60

Theileria parva: isolation of macroschizonts from in vitro propagated lymphoblastoid cells of cattle. Nyormoi O, et al. **Exp Parasitol** 1981 Dec;52(3):303–11

Theileria?-taurotragi: a probable agent of bovine cerebral theileriosis. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Sep;48(3):177–8

The isolation of Theileria? Taurotragi in South Africa. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Sep; 48(3):149–53

Quantitative methods in the study of the pathogenesis of haemoprotozoal diseases. Losos GJ, et al. **Parasitology** 1982 Jun;84(Pt 3):537–65

Salivary gland of the tick vector of East Coast fever. III. The ultrastructure of sporogony in Theileria parva. Fawcett DW, et al. **Tissue Cell** 1982;14(1):183–206

The response of Bos taurus and Bos indicus cattle types to inoculation of lymphoblastoid cell lines infected with Theileria parva schizonts. Dolan TT, et al. **Tropenmed Parasitol** 1982 Mar;33(1):57–62

Kinetics of infection with Theileria parva (East Coast fever) in the central lymph of cattle. Emery DL. **Vet Parasitol** 1981 Oct;9(1):1–16

Relative infectivity of Theileria annulata (Dchunkovsky and Luhs, 1904) stabilates derived from female and male Hyalomma excavatum (Koch, 1844) ticks. Pipano E, et al. **Vet Parasitol** 1982 Mar;10(1):21–7

[The nomenclature of some Theileria species (Sporozoa, Babesioidea) of domestic ruminants (author's transl)] Morel PC, et al. **Rev Elev Med Vet Pays Trop** 1981;34(2):139–43 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Skin nodules in East Coast fever. Uilenberg G, et al. **Res Vet Sci** 1979 Mar;26(2):243–5

PREVENTION & CONTROL

Immunization of Friesian cattle against Theileria annulata by the infection–treatment method. Pipano E, et al. **Br Vet J** 1981 Jul–Aug;137(4):416–20

Efficacy of imidocarb dipropionate and primaquine phosphate in the prevention of tick-borne disease in imported Hereford heifers in South Korea. Purnell RE, et al. **Trop Anim Health Prod** 1981 Aug;13(3):123–7

TRANSMISSION

Experimental transmission of Cowdria ruminantium by the Gulf coast tick Amblyomma maculatum: danger of introducing heartwater and benign African theileriasis onto the American mainland. Uilenberg G. **Am J Vet Res** 1982 Jul;43(7):1279–82

Experimental transmission of some blood parasites by Phipicephalus species in Egypt. I. The role of R. turanicus in transmitting Theileria species in sheep. Hafez M, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):287–93

Observations on the transmission of Theileria mutans in South Africa. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Mar;48(1):1–6

Theileriosis annulata and its transmission–a review. Robinson PM. **Trop Anim Health Prod** 1982 Feb;14(1):3–12 (70 ref.)

THELAZIA see under **SPIRUROIDEA**

THEMATIC APPERCEPTION TEST

The need for power, stress, immune function, and illness among male prisoners. McClelland DC, et al. **J Abnorm Psychol** 1982 Feb;91(1):61–70

Images of violence in Thematic Apperception Test stories. Pollak S, et al. **J Pers Soc Psychol** 1982 Jan;42(1):159–67

THENOYLTRIFLUOROACETONE see under **THIOPHENES**

THEOBROMINE

Interaction of theobromine with sodium benzoate. Nishijo J, et al. **J Pharm Sci** 1982 Mar;71(3):354–6

ANALOGS & DERIVATIVES

Pentoxifylline does not change cerebral blood flow or metabolism in the dog. Steen PA, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):319–22

Pentoxifylline does not protect mice against hypoxia. Steen PA, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):169–70

Pentoxifylline in regional cerebral ischemia in cats. Steen PA, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):39–43

Beneficial hemorheologic therapy of chronic peripheral arterial disorders with pentoxifylline: results of double-blind study versus vasodilator-nylidrin. Accetto B. **Am Heart J** 1982 May;103(5):864–9

Pentoxifylline efficacy in the treatment of intermittent claudication: multicenter controlled double-blind trial with objective assessment of chronic occlusive arterial disease patients. Porter JM, et al. **Am Heart J** 1982 Jul;104(1):66–72

Effect of pentoxifylline on microvascular blood flow velocity. Ohshima N, et al. **Angiology** 1981 Nov; 32(11):752–63

Comparative evaluation of the effectiveness of buflomedil and pentoxifylline in patients with arterial occlusive disease. Trübestein G, et al. **Angiology** 1981 Oct;32(10):705–10

Increase in red cell filterability after incubation with oxpentifylline. Dormandy J, et al. **Curr Med Res Opin** 1981; 7(8):520–2

Simultaneous determination of pentoxifylline and its hydroxy metabolite in plasma by high-performance liquid chromatography. Chivers DA, et al. **J Chromatogr** 1981 Sep 11;225(1):261–5

Hemorheology and peripheral vascular diseases: a new therapeutic approach. Müller R. **J Med** 1981;12(4):209–35 (112 ref.)

Cardiovascular effects of aminophylline and pentoxifylline on intact dogs and isolated dog atria. Watanabe H, et al. **Jpn Heart J** 1982 Mar;23(2):235–43

Effect of pentoxifylline on single red cell deformability. Seiffge D, et al. **Klin Wochenschr** 1981 Nov 16; 59(22):1271–2

Effect of pentoxifylline on alpha- and beta-adrenoceptor sites in cerebral cortex medial basal hypothalamus and pineal gland of the rat. Lowenstein PR, et al. **Neuropharmacology** 1982 Mar;21(3):243–8

Synthesis and pharmacological properties of 1-hydroxyalkyl-8-benzylaminotheobromines. Gorczyca M, et al. **Pol J Pharmacol Pharm** 1981 Mar–Apr; 33(2):227–32

Gastrin release and gastric secretion induced by dimethylxanthine in man. Dollinger HC, et al. **Ric Clin Lab** 1982 Apr–Jun;12(2):417–23

Influence of risk factors and coagulation phenomena on the fluidity of blood in chronic arterial occlusive disease. Angelkort B, et al. **Scand J Clin Lab Invest [Suppl]** 1981; 156:185–8

Effects of pentoxifylline and various methylxanthine derivatives on transepithelial water permeability of frog urinary bladder. Favard P, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:305–8

A tentative explanation of the stimulatory effect of methylxanthines (pentoxifylline and isobutylmethylxanthine) on the secretory process in rat extraorbital lacrimal gland. Herman G, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:309–12

Effect of pentoxifylline on red cell flexibility in arterio-sclerotic patients and in patients with heart valve prosthesis. Johnsson R, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:297–300

Pharmacological influences of pentoxifylline on red cell filterability and 2–3 diphosphoglycerate. Le Devehat C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:301–3

Reduced platelet aggregation by pentoxifylline stimulated prostacyclin release. Weithmann KU. **Vasa** 1981; 10(3):249–52

[Treatment of diabetic angiopathy with pentoxifylline] Pampulov L, et al. **Vutr Boles** 1982;21(3):83–8 (Eng. Abstr.) **(Bul)**

[Influence of a Pentifylline-Nicotinic Acid Combination on Vigilance and Mental Performance (author's transl)] Gessner B, et al. **Arzneimittelforsch** 1982;32(5):579–83 (Eng. Abstr.) **(Ger)**

[Therapy of idiopathic astheno- and oligozoospermia with pentoxifylline] Schill WB. **Fortschr Med** 1982 Apr 22; 100(15):696–700 (Eng. Abstr.) **(Ger)**

[Experiences in therapy of acute labyrinthine deafness with low-molecular dextran, pentoxifyllin and nicotinic acid (author's transl)] Wissen I, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):361–3 (Eng. Abstr.) **(Ger)**

[Pentoxifyllin in andrology (author's transl)] Schramm P. **Z Hautkr** 1981 Aug 15;56(16):1046–53 (Eng. Abstr.) **(Ger)**

[Influence of pentoxifylline on glycometabolic balance in diabetic subjects] Ferlito S, et al. **Clin Ter** 1981 Jun 30; 97(6):613–8 (Eng. Abstr.) **(Ita)**

[Trials of trental in treatment of diabetic angiopathy (author's transl)] Hermel B, et al. **Klin Oczna** 1981 Apr–May; 83(4–5):255–6 (Eng. Abstr.) **(Pol)**

[Immunocorrective therapy in the complex of resuscitative measures to treat the severe form of tetanus] Treshchinskii AI, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):31–4 (Eng. Abstr.) **(Rus)**

[Trental treatment of spinal and radicular ischemic syndromes in spinal diseases] Kaz'min AI, et al. **Ortop Travmatol Protez** 1981 Dec;(12):5–9 (Eng. Abstr.) **(Rus)**

[Effect of trental on indices kidney function in diabetes mellitus] Blagosklonnaia IaV, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):3–8 (Eng. Abstr.) **(Rus)**

[Clinical study of the cerebrovascular action of pentoxifylline] Shtok VN, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):60–6 (Eng. Abstr.) **(Rus)**

[Combination of pentoxifylline with other rheologic agents in the treatment of ischemic pain at rest] Aced S, et al. **Angiologia** 1981 Jul–Aug;33(4):203–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Studies of caffeine and theobromine in sheep. I. Remission spectrophotometric determination of methylxanthines in biological material] Kreisner M, et al. **Zentralbl Veterinarmed [A]** 1981;28(9–10):692–700 (Eng. Abstr.) **(Ger)**

METABOLISM

Excretion of methylxanthines in human milk. Berlin CM Jr. **Semin Perinatol** 1981 Oct;5(4):389–94

[Studies of caffeine and theobromine in sheep. III. Feeding of cacao bean shells] Aly ZH. **Zentralbl Veterinarmed [A]** 1981;28(9–10):711–9 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Stimulation of Clostridium perfringens enterotoxin formation by caffeine and theobromine. Labbe RG, et al. **Infect Immun** 1981 Oct;34(1):50–4

Effects of methylxanthines on urinary prostaglandin E excretion in rats. Takeuchi K, et al. **Jpn J Pharmacol** 1981 Apr;31(2):253–9

[Effect of methylxanthines on urinary prostaglandin E excretion of rats acutely loaded with salt and water (author's transl)] Takeuchi K, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):427–34 (Eng. Abstr.) **(Jpn)**

TOXICITY

Dietary influences on theobromine-induced toxicity in rats. Gans JH. **Toxicol Appl Pharmacol** 1982 Apr;63(2):312–20

URINE

Deuteromethylation of dimethylxanthines: a gas chromatographic mass spectrometric method for confirmatory analysis in horse urine extracts. Houghton E. **Biomed Mass Spectrom** 1982 Mar;9(3):103–7

THEOLOGY see **RELIGION**

THEOPHYLLINE

Reducing the number of formulary theophylline preparations. Anandan JV. **Am J Hosp Pharm** 1981 Apr;38(4):511–3

Aminophylline–theophylline drug incompatibilities [letter] Visconti JA, et al. **Anesth Analg (Cleve)** 1982 Jun; 61(6):547–8

Histamine, theophylline and tryptamine transport through lipid bilayer membranes. Gutknecht J, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):149–54

ADMINISTRATION & DOSAGE

Individualization of oral theophylline dosage in elderly patients. Talseth T, et al. **Acta Med Scand** 1981; 210(6):489–92

Evaluation of a new sustained-release theophylline tablet for children. Selvig K, et al. **Acta Paediatr Scand** 1981 Nov; 70(5):929–33

Sustained-release theophylline for treatment of asthma in preschool children. Simons FE, et al. **Am J Dis Child** 1982 Sep;136(9):790–3

Theophylline doses in The Harriet Lane Handbook [letter] Iafrate RP, et al. **Am J Hosp Pharm** 1982 May;39(5):788

Comparison of nebulised sodium cromoglycate and oral theophylline in controlling symptoms of chronic asthma in pre-school children: a double blind study. Newth CJ, et al. **Aust NZ J Med** 1982 Jun;12(3):232–8

Treatment of children with a single dose a day of sustained release theophylline. Pedersen S. **Br J Clin Pharmacol** 1982 Aug;14(2):290–1

Comparative absorption of theophylline following multiple doses of a sustained-release formulation and an elixir in humans. Harrison LI, et al. **Clin Ther** 1982;4(6):489–96

Bioavailability, efficacy, and tolerance of two sustained-release theophylline dosage forms in adult patients with bronchial asthma. Trautlein JJ, et al. **Clin Ther** 1981;4(4):252–62

Safe and effective use of sustained-release and intravenous theophylline. Boggs PB. **Compr Ther** 1982 Mar;8(3):17–21

Computer-assisted oral and intravenous theophylline therapy. Mungall D, et al. **Comput Biomed Res** 1982 Feb; 15(1):18–28

Influence of gender on theophylline dosage requirements in children with chronic asthma. Hendeles L, et al. **Drug Intell Clin Pharm** 1981 May;15(5):338–40

Investigation of a dosage regimen for intravenous theophylline. Hughey MC Jr, et al. **Drug Intell Clin Pharm** 1982 Apr;16(4):301–5

Computer-simulated conversion from intravenous to sustained-release oral theophylline. Iafrate RP, et al. **Drug Intell Clin Pharm** 1982 Jan;16(1):19–25

Serum theophylline levels after use of an anhydrous crystalline theophylline suppository. Aarbakke J, et al. **Eur J Clin Pharmacol** 1981;20(6):449–52

Theophyllines three times daily – when are the doses actually taken? – Pharmacokinetic ideals versus clinical practice. Alfredsson L, et al. **Eur J Respir Dis** 1982 May;63(3):234–8

Acceptability and efficacy of a new theophylline dosage form: Quibron-T. Bronsky EA, et al. **J Asthma** 1982; 19(1):43–6

Individualization of dosage for oral theophylline therapy [letter] Cabanas R, et al. **J Pediatr** 1982 Jan;100(1):169–70

Bioavailability of theophylline products [letter] Levitt MJ, et al. **J Pediatr** 1982 Sep;101(3):483–4

Sustained-release theophylline: a significant advance in the treatment of childhood asthma. Tabachnik E, et al. **J Pediatr** 1982 Mar;100(3):489–92

Release kinetics of sparingly soluble drugs from ethyl cellulose-walled microcapsules: theophylline microcapsules. Benita S, et al. **J Pharm Pharmacol** 1982 Feb;34(2):77–82

Dissolution and bioavailability studies of whole and halved sustained-release theophylline tablets. Simons KJ, et al. **J Pharm Sci** 1982 May;71(5):505–11

A critique of dosing strategies for beta-2 adrenergic agents and theophylline. Jenne JW. **Lung** 1981;159(6):295–314 (85 ref.)

Sustained-release theophylline. **Med Lett Drugs Ther** 1981 Nov 13;23(23):97–8

Theophylline dosage [letter] Kirshenbaum AS, et al. **Pediatrics** 1982 Sep;70(3):498–9

Individualization of theophylline dosage using a single serum sample following a test dose. Shapiro GG, et al. **Pediatrics** 1982 Jan;69(1):70–3

Management of asthma--a correction [letter] Weinberger M. **Pediatrics** 1982 May;69(5):663

[The theophylline test. Indications for the effective daily dosage (author's transl)] Blaive B, et al. **Rev Fr Mal Respir** 1982;10(3):205–12 (Eng. Abstr.) **(Fre)**

[Bioavailability of theophylline in a new oral sustained-release preparation (author's transl)] Schneider GF, et al. **Arzneimittelforsch** 1981;31(9):1489–97 (Eng. Abstr.) **(Ger)**

[Application of theophylline as an inhalant (author's transl)] Kandt D, et al. **Z Erkr Atmungsorgane** 1981 May; 157(2):152–9 (Eng. Abstr.) **(Ger)**

[Sustained release theophylline therapy (editorial)] Bar Seda S, et al. **Harefuah** 1981 Dec 1;101(11):323–4 **(Heb)**

[The clinical effect of sustained-release theophylline (Theo-Dur) for asthmatic children and serum theophylline level (author's transl)] Masaki T, et al. **Arerugi** 1981 Apr; 30(4):190–6 (Eng. Abstr.) **(Jpn)**

[Determination of the mean dose of oral theophylline in asthmatic children (author's transl)] Cabanas R, et al. **An Esp Pediatr** 1982 Feb;16(2):119–26 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Apnea associated with theophylline withdrawal in a term neonate. Horowitz DA, et al. **Am J Dis Child** 1982 Jan; 136(1):73–4

Potential toxicity of theophylline in combination with Quinamm. Shane R. **Am J Hosp Pharm** 1982 Jan;39(1):40

Comparison of choline theophyllinate and theophylline gastric irritation utilizing gastric potential difference as a model. Kraus M, et al. **Arzneimittelforsch** 1981;31(9):1503–7

The influence of corticosteroids and theophylline on cerebral function. A review. Schraa JC, et al. **Chest** 1982 Aug; 82(2):181–5 (41 ref.)

Theophylline, beta-agonists, and fatal asthma [letter] Sutherland DC, et al. **Lancet** 1981 Oct 31;2(8253):988

Iododerma of the conjunctiva and skin. Kincaid MC, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1216–20

Theophylline toxicity and viral infections [letter] **Pediatrics** 1982 Sep;70(3):508–9

Speech Effect of theophylline [letter] McCarthy MM. **Pediatrics** 1981 Nov;68(5):749–50

Adverse effects of caffeine and theophylline in the newborn infant. Howell J, et al. **Semin Perinatol** 1981 Oct; 5(4):359–69

[Investigations to gastric tolerance of a sustained release theophylline formulation (author's transl)] Lücker PW, et al. **Arzneimittelforsch** 1982;32(4):409–13 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

Effects of drotaverin and depogen on gastric emptying in beagle dogs. Zájer J, et al. **Acta Vet Acad Sci Hung** 1981; 29(2):173–82

Theophylline toxicity after dyphylline therapy [letter] Ackerman BL, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):484

Efficacy of theophylline and its N-7-substituted derivatives in experimentally induced bronchial asthma in the guinea-pig. Ufkes JG, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):301–14

Comparison of choline theophyllinate and theophylline gastric irritation utilizing gastric potential difference as a model. Kraus M, et al. **Arzneimittelforsch** 1981;31(9):1503–7

Biotransformation of reproterol in the intestinal tract of the rat. Kucharczyk N, et al. **Arzneimittelforsch** 1981; 31(12):2085–8

Efflux in isolated hepatocytes as a possible correlate of secretion in vivo: induced exit of the folic acid analog methotrexate, by dibutyryl cyclic AMP or isobutyl methyl xanthine. Gewirtz DA, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):366–74

Effect of 3-isobutyl-1-methylxanthine on HCO3- transport in turtle bladder. Evidence for electrogenic HCO3- secretion. Ehrenspeck G. **Biochim Biophys Acta** 1982 Jan 22;684(2):219–27

Mechanisms of action of cyclic nucleotides on a bursting pacemaker and silent neuron in Aplysia. Drake PF, et al. **Brain Res** 1981 Aug 10;218(1-2):243–54

Antagonism of presynaptic adenosine receptors by theophylline 9-beta-D-riboside and 8-phenyltheophylline. Clanachan AS. **Can J Physiol Pharmacol** 1981 Jun; 59(6):603–6

Relation of oral dose of oxtriphylline to serum theophylline level. Guyatt GH, et al. **Can Med Assoc J** 1981 Dec 15; 125(12):1336–8

Effects of 3-isobutyl-1-methylxanthine and cyclic nucleotides on the biochemical processes linked to skin tumor promotion by 12-O-tetradecanoylphorbol-13-acetate. Perchellet JP, et al. **Cancer Res** 1981 Oct;41(10):3927–35

Effects of 3-isobutyl-1-methylxanthine and cyclic nucleotides on 12-O-tetradecanoylphorbol-13-acetate-induced ornithine decarboxylase activity in mouse epidermis in vivo. Perchellet JP, et al. **Cancer Res** 1981 Oct;41(10):3918–26

Comparison of the effects of 3-isobutyl-1-methylxanthine and adenosine cyclic 3':5'-monophosphate on the induction of skin tumors by the initiation-promotion protocol and by the complete carcinogenesis process. Perchellet JP, et al. **Carcinogenesis** 1982;3(1):53–60

Direct effects of sex steroids on prolactin release at the anterior pituitary level: interactions with dopamine, thyrotropin-releasing hormone, and isobutylmethylxanthine. Giguère V, et al. **Endocrinology** 1982 Sep;111(3):857–62

8-phenyltheophylline: a potent P1-purinoceptor antagonist. Griffith SG, et al. **Eur J Pharmacol** 1981 Oct 15;75(1):61–4

Rod photoresponses in the absence of external sodium in retinae treated with phosphodiesterase inhibitors. Torre V, et al. **Exp Brain Res** 1981;44(4):427–30

Paradoxical stimulation by 1-methyl-3-isobutylxanthine of rat liver cyclic AMP phosphodiesterase activity. Erneux C, et al. **FEBS Lett** 1982 Jun 7;142(2):251–4

Effect of 3-isobutyl-1-methylxanthine on prolactin actions on RNA synthesis, casein synthesis, lipid synthesis and ornithine decarboxylase activity in mouse mammary gland explants. Rillema JA, et al. **Horm Metab Res** 1982 Apr; 14(4):195–7

A double-blind, placebo-controlled evaluation of (dl)-3,7-dihydro-1,8-dimethyl-3-(2-methylbutyl)-1H-pur in exercise-induced bronchospasm. Cho YW, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Jun;19(6):266–72

Dyphylline elimination kinetics in lactating women: blood to milk transfer. Jarboe CH, et al. **J Clin Pharmacol** 1981 Oct;21(10):405–10

Increased levels of 3',5'-cyclic adenosine monophosphate induced by cobaltous ion or 3-isobutylmethylxanthine in the incubated mouse retina: evidence concerning location and response to ions and light. Cohen AI. **J Neurochem** 1982 Mar;38(3):781–96

In vitro effect of reproterol upon pulmonary, cardiac, vascular and intestinal 3',5'-monophosphate phosphodiesterase nucleoside. Marmo E, et al. **J Pharm Pharmacol** 1982 May;34(5):342–3

Effects of methylisobutylxanthine (MIX) on the secretion of pancreatic juice in the blood-perfused canine pancreas. Iwatsuki K, et al. **Jpn J Pharmacol** 1982 Apr;32(2):384–6

Preliminary pharmacological investigations of 8-benzylaminotheophylline derivatives. Mrozikiewicz A, et al. **Pol J Pharmacol Pharm** 1981 Mar-Apr;33(2):203–8

Oral theophylline in chronic heart failure. Al-Damluji S, et al. **Postgrad Med J** 1982 Apr;58(678):216–21

Maintenance of bronchodilation in chronic reversible airways obstruction. Comparison between choline theophyllinate and salbutamol. Tanser AR. **Practitioner** 1982 Mar; 226(1365):569–71

Paradoxical effects of glucocorticoids on regulation of plasminogen activator activity of rat hepatoma cells. Barouski-Miller PA, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2319–22

Effect of methylxanthines on the spontaneous appetite for NaCl solutions in rats. Fregly MJ, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):182–7

In vitro effects of reproterol upon tracheo- bronchial, cardiac and cerebral adenylcyclase. Marmo E, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):389–95

Reproterol and the muscle of the trachea and bronchi: in vitro and in vivo comparative studies with various drugs used in the treatment of asthma. Di Mezza F, et al. **Respiration** 1981;42(3):175–83

A tentative explanation of the stimulatory effect of methylxanthines (pentoxifylline and isobutylmethylxanthine) on the secretory process in rat extraorbital lacrimal gland. Herman G, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:309–12

Effect of isobutylmethylxanthine and related drugs on the receptor response (ERG; a-wave) of the frog retina at various extracellular calcium concentrations. Leser KH. **Z Naturforsch [C]** 1981 Jul-Aug;36(7-8):597–603

[Postoperative respiratory therapy: bronchospasmolytic activity and side-effects of some recently introduced beta-sympatheticomimetic agents (author's transl)] Brandl M, et al. **Anasth Intensivther Notfallmed** 1981 Aug; 16(4):197–202 (Eng. Abstr.) **(Ger)**

[Urine levels of fenethylline and amphetamine after administration of Captagon] Iffland R. **Arch Kriminol** 1982 Mar-Apr;169(3-4):81–8 (Eng. Abstr.) **(Ger)**

[Therapy of hyperlipidemia with xanthinol nicotinate as opposed to low fat diet] Baumann J, et al. **Med Welt** 1982 Jan 29;33(4):139–41 **(Ger)**

[Lipid-lowering effect of etofibrate, bezafibrate and xanthinol nicotinate in patients with hyperlipoproteinemias] Machalke K, et al. **Ther Ggw** 1982 May;121(5):301–11 **(Ger)**

[Pharmacodynamic aspects of reproterol] Marmo E. **Clin Ter** 1981 Sep 15;98(5):481–500 (Eng. Abstr.) **(Ita)**

[The hemodynamic effects of reproterol in patients with chronic obstructive lung disease (author's transl)] Bonaduce D, et al. **G Ital Cardiol** 1981;11(10):1467–71 (Eng. Abstr.) **(Ita)**

[Pharmacodynamic properties of the optical isomers of 2-N(theophyllinyl-7 1-acetyl)aminobutanol and their chloro derivatives] Jackowska M. **Ann Acad Med Stetin** 1981;27:297–311 (Eng. Abstr.) **(Pol)**

[Treatment of sudden deafness with increasing doses of sadamine] Betkowski A, et al. **Wiad Lek** 1981 Jul 15; 34(14):1165–74 (Eng. Abstr.) **(Pol)**

[Correction of cardiovascular hypodynamics in the early postoperative period with the adrenergic beta receptor agonist acrinor] Dubova MN. **Anesteziol Reanimatol** 1981 Sep-Oct;(5):21–4 (Eng. Abstr.) **(Rus)**

[Use of thermography and ultrasound dopplerography for evaluating efficacy of complamin in the treatment of patients with disorders of cerebral circulation] Kozlova EN, et al. **Klin Med (Mosk)** 1981 Sep;59(9):38–42 (Eng. Abstr.) **(Rus)**

[Complex treatment of unfavourable course of epilepsy in adolescents with anticonvulsants and complamin] Martyniuk VIu. **Vrach Delo** 1981 Oct;(10):95–7 **(Rus)**

[Effect of Complamin on fibrinolysis and platelet aggregation in the aged] Matijević N, et al. **Bilt Hematol Transfuz** 1980; 8(1):37–43 (Eng. Abstr.) **(Scr)**

[Evaluation of color changes in tablets containing cholinetheophylinate and ornidazole in accelerated tests of stability] Godovič J, et al. **Cesk Farm** 1981 Jun;30(5):156–8 (Eng. Abstr.) **(Slo)**

[Serum levels and urinary and fecal excretion of ethamicylin HCl (solucylin). Oral and intravenous administration (author's transl)] Torres A, et al. **Arch Farmacol Toxicol** 1980 Dec;6(3):237–46 (Eng. Abstr.) **(Spa)**

ANALYSIS

In vitro adsorption of theophylline by antacids. Rohr WJ Jr, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1779–80

Drug sensor: liposome immunosensor for theophylline. Haga M, et al. **Anal Biochem** 1981 Dec;118(2):286–93

Enzymic hydrolysis of intramolecular complexes for monitoring theophylline in homogeneous competitive protein-binding reactions. Li TM, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1157–65

Theophylline concentration in saliva as a guide for individualization of its therapeutic use. Plavsic F, et al. **Br J Clin Pharmacol** 1981 May;11(5):533–4

Theophylline homogeneous enzyme immunoassay (Syva EMIT) adapted to the Cobas-Bio Centrifugal Analyzer [letter] Randall GL, et al. **Ther Drug Monit** 1981;3(3):311–2

[Theophylline and 1-7 dimethyl xanthine, a metabolite of caffeine : selective assay by H.P.L.C. (author's traasl)] Rodriguez F, et al. **Therapie** 1981 Nov-Dec;36(6):659–65 (Eng. Abstr.) **(Fre)**

[Simultaneous HPLC analysis of S-carboxymethyl-L-cysteine and theophylline in pharmaceutical form] Caccialanza G, et al. **Farmaco [Prat]** 1981 Aug;36(8):396–402 (Eng. Abstr.) **(Ita)**

[Determination of theophylline in biological fluids by high-performance liquid chromatography (author's transl)] Matsuda R, et al. **Yakugaku Zasshi** 1981 Oct;101(10):955–9 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Therapeutic rounds at the Milton S. Hershey Medical Center. Schneck DW. **Clin Ther** 1981;4(3):134–5, 234–5

BLOOD

Binding of xanthine derivatives to human serum albumin as a function of pH. Albary AA, et al. **Acta Pharm Suec** 1981; 18(6):379–90

The use of theophylline clearance to design an oral aminophylline regimen. Simmons SM, et al. **Ala J Med Sci** 1982 Apr;19(2):142–6

Serum concentrations of theophylline in children treated with two daily doses of a sustained-release theophylline preparation. Sommer B, et al. **Allergy** 1981 Oct; 36(7):507–11

Pitfalls in the interpretation of serum theophylline levels. Lam C, et al. **Am J Dis Child** 1982 Apr;136(4):345–7

Effect of intravenous furosemide on serum theophylline concentration. Conlon PF, et al. **Am J Hosp Pharm** 1981 Sep;38(9):1345–7

Analog-computer method for rapid estimates of theophylline clearance using presteady-state plasma concentrations. Errick JK. **Am J Hosp Pharm** 1982 May;39(5):829–31

Evaluation of the ordering of serum theophylline concentrations. Gentry SM, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1937–9

Guidelines for rapid attainment of therapeutic serum theophylline concentrations [letter] Hendeles L, et al. **Am J Hosp Pharm** 1982 Feb;39(2):249–50

Theophylline--furosemide interaction? [letter] Nakagawa RS. **Am J Hosp Pharm** 1982 Feb;39(2):242, 249

Serum theophylline determination by fluorescence

polarization immunoassay utilizing an umbelliferone derivative as a fluorescent label. Li TM, et al. **Anal Biochem** 1981 Nov 15;118(1):102–7

Cimetidine–theophylline interaction: report of four patients. Bauman JH, et al. **Ann Allergy** 1982 Feb;48(2):100–2

Oral theophylline disposition in cystic fibrosis. Georgitis JW, et al. **Ann Allergy** 1982 Mar;48(3):175–7

Use of serum theophylline determinations during acute asthma therapy in children. Kearns GL, et al. **Ann Allergy** 1982 Feb;48(2):71–4

Pharmacokinetics of theophylline in night-workers. Decourt S, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):567–9

Plasma theophylline concentrations in patients with chronic obstructive airways disease after administration of a new sustained release theophylline formulation. Taylor DR, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):569–71

Self-poisoning with sustained-release aminophylline: secondary rise in serum theophylline concentration after charcoal haemoperfusion. Connell JM, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):943

Serum theophylline levels after influenza vaccination [letter] Britton L, et al. **Can Med Assoc J** 1982 Jun 15;126(12):1375

Influence of trivalent influenza vaccine on serum theophylline levels. Fischer RG, et al. **Can Med Assoc J** 1982 Jun 1;126(11):1312–3

Relation of oral dose of oxtriphylline to serum theophylline level. Guyatt GH, et al. **Can Med Assoc J** 1981 Dec 15; 125(12):1336–8

Serum theophylline levels after influenza vaccination [letter] Walker S, et al. **Can Med Assoc J** 1981 Aug 1;125(3):243–4

The effect of erythromycin on theophylline pharmacokinetics at steady state. Maddux MS, et al. **Chest** 1982 May; 81(5):563–5

Theophylline determination by 'high-pressure' liquid chromatography. Broussard LA. **Clin Chem** 1981 Nov; 27(11):1931–3

Homogeneous enzyme immunoassay for theophylline in serum and plasma. Chang J, et al. **Clin Chem** 1982 Feb; 28(2):361–7

Stability of theophylline in serum, plasma, and saliva stored at different temperatures [letter] Jonkman JH, et al. **Clin Chem** 1981 Dec;27(12):2071–2

Artifacts in liquid-chromatographic assay of theophylline caused by acetonitrile deproteinization [letter] Jowett DA. **Clin Chem** 1981 Oct;27(10):1785

Liquid-chromatographic analysis for serum theophylline in less than 70 seconds. Kabra PM, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):687–9

Therapeutic drug monitoring of theophylline, salicylates, and acetaminophen. Smith FA. **Clin Lab Med** 1981 Sep; 1(3):559–79 (38 ref.)

A comparison of the pharmacokinetics of theophylline in asthmatic children in the acute episode and in remission. Arnold JD, et al. **Eur J Clin Pharmacol** 1981;20(6):443–7

A comparison of steady state plasma theophylline concentrations with conventional and sustained release formulations. Mellstrand T, et al. **Eur J Respir Dis** 1982 Jan;63(1):31–4

Comparison of serum theophylline levels in asthmatic children receiving sustained-release and rapid-release theophylline tablets. Beer S, et al. **Isr J Med Sci** 1982 Feb; 18(2):255–8

Monitoring of serum theophylline by high-performance liquid chromatography without interference by various coadministered drugs. Frutkoff IW, et al. **Isr J Med Sci** 1982 May;18(5):639–41

Simultaneous determination of acetaminophen, theophylline and salicylate in serum by high-performance liquid chromatography. Kinberger B, et al. **J Chromatogr** 1982 May 14;229(2):492–7

Measurement of plasma theophylline by gas-liquid chromatography on the stationary phase SP-2510. Schier GM, et al. **J Chromatogr** 1981 Sep 11;225(1):208–12

Theophylline analysis by direct application of serum to thin layer chromatograms. Heilweil E, et al. **J Chromatogr Sci** 1981 Nov;19(11):594–7

Comparison of serum theophylline levels with plain and slow-release aminophylline in patient with airway obstruction. Muittari A, et al. **J Int Med Res** 1981; 9(5):378–80

Therapeutic drug monitoring experience using theophylline as a model. Fox BJ, et al. **JAOA** 1981 Dec;81(4):264–5

Theophylline pharmacokinetics during hyperbaria and hyperbaric hyperoxia in the dog. Kramer WG, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec;34(3):381–8

Metabolism of theophylline to caffeine in adults. Tang-Liu DD, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):371–80

Monitoring of serum theophylline concentrations. Soyka LF. **Semin Perinatol** 1981 Oct;5(4):406–8

Studies of caffeine and theophylline in the neonate. Soyka LF, et al. **Semin Perinatol** 1981 Oct;5(4):332–6

Effect of asphyxia on theophylline clearance in newborns. Gal P, et al. **South Med J** 1982 Jul;75(7):836–8

Evaluation of two methods for estimating theophylline clearance prior to achieving steady state. Anderson G, et al. **Ther Drug Monit** 1981;3(4):325–32

Hemodialysis clearance of theophylline. Slaughter RL, et al. **Ther Drug Monit** 1982;4(2):191–3

[Serum concentrations of theophylline in different techniques of treatment with its derivatives (author's transl)] Král B, et al. **Cas Lek Cesk** 1981 Oct 22;120(42):1287–90 (Eng. Abstr.) **(Cze)**

[Drug interaction between cimetidine and theophylline (letter)] Uzzan D, et al. **Nouv Presse Med** 1982 May 29; 11(25):1950 **(Fre)**

[General method for the simulation of blood levels from dissolution data: II. Multiple doses] Gueurten D, et al. **Pharm Acta Helv** 1981;56(11):314–9 (Eng. Abstr.) **(Fre)**

[Specificity of methods for theophylline in biological samples: therapeutic consequences (author's transl)] Berthou F, et al. **Therapie** 1982 Jan–Feb;37(1):53–64 (Eng. Abstr.) **(Fre)**

[Determination of serum theophylline using high performance liquid chromatography and its clinical application (author's transl)] Kitahashi T, et al. **Rinsho Byori** 1981 Sep;29(9):889–94 **(Jpn)**

[Evaluation of Euphylline-retard based on the measurement of theophylline concentration in the blood serum and spirometric parameters] Pietruszewska E, et al. **Pneumonol Pol** 1981 Nov;49(11):783–9 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

The use of theophylline as an in vivo probe of adrenocortical function. Geffner ME, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):56–60

HISTORY

The clinical and pharmacological history of theophylline: first report on the bronchospasmolytic action in man by S. R. Hirsch in Frankfurt (Main) 1922. Schultze-Werninghaus G, et al. **Clin Allergy** 1982 Mar; 12(2):211–5

METABOLISM

Peritoneal clearance of theophylline. Brown GS, et al. **Am J Kidney Dis** 1981 Jul;1(1):24–6

Transient alteration of theophylline half-life: possible association with Herpes simplex infection. Anolik R, et al. **Ann Allergy** 1982 Aug;49(2):109–11

Cimetidine–theophylline interaction [letter] Cluxton RJ Jr, et al. **Ann Intern Med** 1982 May;96(5):684

Alteration of theophylline clearance and half-life by cimetidine in normal volunteers. Reitberg DP, et al. **Ann Intern Med** 1981 Nov;95(5):582–5

Theophylline pharmacokinetics in advanced age. Antal EJ, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):637–45

Dose-dependent pharmacokinetics with single daily dose slow release theophylline in patients with chronic lung disease. Butcher MA, et al. **Br J Clin Pharmacol** 1982 Feb; 13(2):241–3

Orciprenaline does not alter theophylline elimination [letter] Conrad KA, et al. **Br J Clin Pharmacol** 1981 Nov; 12(5):756–7

Saliva theophylline concentrations after a single oral dose. Culig J, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):243–5

Pharmacokinetics of sustained release theophylline in low and high multidose regimens. Koëter GH, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):647–51

Delay in the absorption rate of theophylline from a sustained release theophylline preparation caused by food. Pedersen S. **Br J Clin Pharmacol** 1981 Dec;12(6):904–5

Pharmacokinetics of a single evening dose of slow release theophylline in patients with chronic lung disease [letter] Thompson PJ, et al. **Br J Clin Pharmacol** 1981 Sep; 12(3):443–4

Interaction of cimetidine and theophylline in two infants. Fenje PC, et al. **Can Med Assoc J** 1982 May 15;126(10):1178

Decreased elimination of theophylline after influenza vaccination [letter] Goldstein RS, et al. **Can Med Assoc J** 1982 Mar 1;126(5):470

Respiratory acidemia and theophylline pharmacokinetics in the awake dog. Clozel JP, et al. **Chest** 1981 Nov;80(5):631–3

Theophylline: a remarkable window to the hepatic microsomal oxidases [editorial] Jenne JW. **Chest** 1982 May; 81(5):529–30

Influence of age on theophylline clearance in patients with chronic obstructive pulmonary disease. Bauer LA, et al. **Clin Pharmacokinet** 1981 Nov–Dec;6(6):469–74

Cigarette smoking and theophylline clearance and metabolism. Grygiel JJ, et al. **Clin Pharmacol Ther** 1981 Oct;30(4):491–6

Depression of theophylline elimination by erythromycin. Renton KW, et al. **Clin Pharmacol Ther** 1981 Sep; 30(3):422–6

Nonlinear theophylline elimination. Tang-Liu DD, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):358–69

Comparative absorption of theophylline from theophylline–guaifenesin tablets and liquid and from a reference theophylline liquid. Harrison LI, et al. **Clin Ther** 1981;4(1):18–23

Theophylline distribution in the premature neonate. Bonati M, et al. **Dev Pharmacol Ther** 1981;3(2):65–73

Comment on effect of cimetidine on theophylline clearance [letter] **Drug Intell Clin Pharm** 1981 Oct;15(10):808–10

Lack of effect of cimetidine on theophylline clearance [letter] Ambrose PJ, et al. **Drug Intell Clin Pharm** 1981 May; 15(5):389–90

A practical guide to interactions involving theophylline kinetics. McElnay JC, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):533–42 (105 ref.)

The effects of erythromycin on the absorption and disposition of kinetics of theophylline. Branigan TA, et al. **Eur J Clin Pharmacol** 1981;21(2):115–20

Influence of food intake on bioavailability of theophylline in premature infants. Heimann G, et al. **Eur J Clin Pharmacol** 1982;22(2):171–3

Correlation of serum and saliva theophylline concentration after administration of a sustained release preparation. Jonkman JH, et al. **Eur J Clin Pharmacol** 1981;20(1):73–8

Disposition and clinical pharmacokinetics of theophylline after administration of a new sustained release tablet. Jonkman JH, et al. **Eur J Clin Pharmacol** 1981;21(1):39–44

Aging, cigarette smoking and oral theophylline requirement. Talseth T, et al. **Eur J Clin Pharmacol** 1981;21(1):33–7

Linear elimination kinetics but non-linear pharmacodynamics in theophylline intoxication in a child. Reinhardt D, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr;20(4):171–3

Pharmacolinetic and pharmacodynamic data analysis of theophylline for three different drug forms. Richter O, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov; 19(11):479–89

Intrasubject variation in sustained-release theophylline absorption. Dederich RA, et al. **J Allergy Clin Immunol** 1981 Jun;67(6):465–71

Effect of intravenous isoproterenol on theophylline kinetics. Hemstreet MP, et al. **J Allergy Clin Immunol** 1982 Apr; 69(4):360–4

Effect of erythromycin on theophylline kinetics. Prince RA, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):427–31

The effect of acute and chronic renal failure on theophylline clearance. Bauer LA, et al. **J Clin Pharmacol** 1982 Jan; 22(1):65–8

Effect of food on the bioavailability and pattern of release of a sustained-release theophylline tablet. Leeds NH, et al. **J Clin Pharmacol** 1982 Apr;22(4):196–200

The effects of erythromycin on theophylline elimination in normal males. May DC, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):125–30

Theophylline elimination in the pregnant and fetal rabbit. Brashear RE, et al. **J Lab Clin Med** 1982 Jul;100(1):15–25

The measurement of theophylline metabolism in hepatic microsomes using high-performance liquid chromatography. Hemsworth TC, et al. **J Pharm Sci** 1982 Jun;71(6):712–3

Evaluation of a new sustained release theophylline formulation by the measurements of salivary levels of the drug in humans. Nakano M, et al. **J Pharmacobiodyn** 1980 Dec;3(12):702–8

Salivary and urine theophylline levels in management of childhood asthma [letter] Johnston A, et al. **J R Soc Med** 1981 Oct;74(10):776–7

Placental theophylline transfer in pregnant asthmatics. Labovitz E, et al. **JAMA** 1982 Feb 12;247(6):786–8

Elimination kinetics and protein binding of theophylline in the rabbit. May DC, et al. **Life Sci** 1981 Aug 3;29(5):473–6

Oral bioavailability of theophylline from hydroalcoholic and alcohol-free preparations. Sligo JH, et al. **Med J Aust** 1981 Oct 17;2(8):410–1

Influence of dietary protein and carbohydrate on oxidative biotransformation of drugs in normal adults and children with asthma. **Nutr Rev** 1981 Jun;39(6):232–4

The effect of obesity on apparent volume of distribution of theophylline. Rohrbaugh TM, et al. **Pediatr Pharmacol (New York)** 1982;2(1):75–83

Metabolism and distribution of labeled theophylline in the pregnant rat. Impairment of theophylline metabolism by pregnancy and absence of a blood-brain barrier in the fetus. Arnaud MJ, et al. **Pediatr Res** 1982 Mar;16(3):167–71

Diet and theophylline [letter] **Pediatrics** 1981 Oct;68(4):600–3

Theophylline and diet [letter] Koren G. **Pediatrics** 1981 Nov; 68(5):746–7

A single-dose comparison of four slow-release theophylline preparations in normal subjects. Sharma JN, et al. **Postgrad Med J** 1981 Mar;57(665):153–5

Excretion of methylxanthines in human milk. Berlin CM Jr. **Semin Perinatol** 1981 Oct;5(4):389–94

Conversion of theophylline to caffeine by the human fetus. Brazier JL, et al. **Semin Perinatol** 1981 Oct;5(4):315–20

Regulation of theophylline metabolism by growth hormone. Redmond GP. **Semin Perinatol** 1981 Oct;5(4):374–7

Effects of infection and immune stimulation on theophylline metabolism. Renton KW. **Semin Perinatol** 1981 Oct; 5(4):378–82

Pharmacokinetics of theophylline in neonates. Simons FE, et al. **Semin Perinatol** 1981 Oct;5(4):337–45

Methylxanthines in serum, saliva, and spinal fluid of premature infants. Somani SM, et al. **Semin Perinatol** 1981 Oct;5(4):346–50

Postnatal development of theophylline metabolism in preterm infants. Takieddine FN, et al. **Semin Perinatol** 1981 Oct; 5(4):351–8

Interaction between nutrition and theophylline metabolism in children. Feldman CH, et al. **Ther Drug Monit** 1982; 4(1):69–76

Dose-dependency of theophylline clearance and protein binding. Fleetham JA, et al. **Thorax** 1981 May;36(5):382–6

[Effect of temperature on the kinetics of propranolol, theophylline, phenytoin and digoxin in rats (author's transl)] Albin H, et al. **J Pharmacol** 1981 Jul–Sep; 12(3):229–38 (Eng. Abstr.) **(Fre)**

[Absorption of theophylline: pharmacokinetics of 2 water-alcohol solutions of theophylline] Dayer P, et al. **Pharm Acta Helv** 1982;57(1):27–32 **(Fre)**

[Influence of cysteine on bioavailability of theophylline (author's transl)] Albin H, et al. **Therapie** 1981 Sep–Oct; 36(5):525–31 (Eng. Abstr.) **(Fre)**

[Effect of macrolides on the pharmacokinetics of theophylline (letter)] Lebel M. **Therapie** 1981 Jul–Aug;36(4):501–2 **(Fre)**

[Pharmacokinetics of theophylline and caffeine in premature infants with apnea (author's transl)] Riechert M, et al. **Monatsschr Kinderheilkd** 1981 Dec;129(12):697–702 (Eng. Abstr.) **(Ger)**

[Biological availability of two theophylline preparations (author's transl)] Kaik G. **Prax Klin Pneumol** 1982 Jun; 36(6):294–6 **(Ger)**

[Interaction between theophylline and cimetidine] Fantoli U. **Recenti Prog Med** 1981 Sep;71(3):334–5 (5 ref.) **(Ita)**

[Theophylline serum levels and theophylline clearance in asthmatic patients (author's transl)] Pastor MC, et al. **Med Clin (Barc)** 1982 Jul 1–31;79(3):126–8 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Net sodium and glucose transport in the jejunum, ileum and colon of anaesthetized rats in response to intraluminal theophylline and anionic surfactants. Sund RD, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):65–71

Theophylline interferes with the modulatory role of endogenous adenosine on cholinergic neurotransmission in guinea pig ileum. Gustafsson L, et al. **Acta Physiol Scand** 1981 Mar;111(3):269–80

Vasopressin, theophylline, PGE2, and indomethacin on active Na transport in frog skin: studies with microelectrodes. Els WJ, et al. **Am J Physiol** 1981 Sep; 241(3):F279–88

Twitch potentiation by rest in canine ventricular muscle: effects of theophylline. Endoh M, et al. **Am J Physiol** 1981 Oct;241(4):H583–90

Inhibition by theophylline of the early component of canine ventricular contraction. Endoh M, et al. **Am J Physiol** 1982 Mar;242(3):H349–58

Theophylline–estrogen interaction in the rat uterus: role of the ovary. Steinsapir J, et al. **Am J Physiol** 1982 Feb; 242(2):E121–6

Lymphocyte sensitization detected by the macrophage electrophoretic mobility assay in patients with renal cell carcinoma: Theophylline increases the sensitivity of the assay. Malkovsky M, et al. **Arch Geschwulstforsch** 1981; 51(4):364–70

Efficacy of theophylline and its N-7-substituted derivatives in experimentally induced bronchial asthma in the guinea-pig. Ufkes JG, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):301–14

In vitro effects of theophylline on insulin receptors in adipocytes: correlation with the lipolytic action of the agent. Steinfelder HJ, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):45–51

Effects of dibutyryl cyclic AMP and theophylline on rat pancreatic phospholipids in vitro. Ca2+-sensitive decrease in phosphatidylinositol and cycloheximide-sensitive increase in phosphatidic acid. Farese RV, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):463–70

Theophylline reduces poly (ADP-ribose) synthetase from chick embryo liver nuclei. Kitamura A, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):63–8

The effect of PGI2 and theophylline on the response of platelets subjected to shear stress. Hardwick RA, et al. **Blood** 1981 Oct;58(4):678–81

Morphine–theophylline interaction: antagonism or facilitation? Brailowsky S, et al. **Br J Pharmacol** 1981 Aug; 73(4):887–92

Influence of tracheal contraction on relaxant effects in vitro of theophylline and isoprenaline. Karlsson JA, et al. **Br J Pharmacol** 1981 Sep;74(1):73–9

Possible role of the transverse tubules in accumulating calcium released from the terminal cisternae by stimulation and drugs. Bianchi CP, et al. **Can J Physiol Pharmacol** 1982 Apr;60(4):503–7

Antagonism of presynaptic adenosine receptors by theophylline 9-beta-D-riboside and 8-phenyltheophylline. Clanachan AS. **Can J Physiol Pharmacol** 1981 Jun; 59(6):603–6

Electron microscopic and cytochemical observations of theophylline and melanocyte-stimulating hormone effects on melanoma cells in culture. Hu F, et al. **Cancer Res** 1982 Jul;42(7):2786–91

Concomitant induction of cytotoxic and suppressor cells: modulation by theophylline. Rola-Pleszczynski M, et al. **Cell Immunol** 1981 Nov 15;65(1):13–9

Dibutyrylic cyclic AMP and theophylline inhibit proliferation of accessory cells in primary cultures of adrenomedullary cells. Unsicker K, et al. **Cell Tissue Res** 1982;223(1):73–86

Theophylline. New thoughts about an old drug. Isles AF, et al. **Chest** 1982 Jul;82(1 Suppl):49S–54S

Determination of human serum placental alkaline phosphatase, using theophylline inhibition. Ansari A, et al. **Clin Chim Acta** 1982 Jan 5;118(1):135–9

Do conventional plasma cyclic nucleotide phosphodiesterase inhibitors really work in all situations? Wood PJ, et al. **Clin Chim Acta** 1981 Sep;115(3):405–8

The effect of theophylline on macrophage elastase secretion. Fine R, et al. **Connect Tissue Res** 1982;9(3):195–9

Influence of theophylline on the circulatory actions of thyroid hormones. Kapitola J, et al. **Endokrinologie** 1981 Mar;77(3):375–6

Cardiovascular effects of theophylline. Partial attenuation by beta-blockade. Conrad KA, et al. **Eur J Clin Pharmacol** 1981;21(2):109–14

Development of tolerance to dopaminergic stimulating effect of theophylline in mice with unilateral striatal 6-hydroxydopamine lesions. Watanabe H, et al. **Eur J Pharmacol** 1982 Apr 8;79(1-2):125–8

Lesch-Nyhan syndrome-like behavior in rats from caffeine ingestion: changes in HGPRTase activity, urea and some nitrogen metabolism enzymes. Ferrer I, et al. **FEBS Lett** 1982 May 17;141(2):275–8

In-vitro-induced human T cells cytotoxic against herpes-simplex-virus-infected targets: modulation by theophylline of the induction and effector stages. Rola-Pleszczynski M, et al. **Immunopharmacology** 1982 Jun; 4(3):225–33

Bactericidal capacity of polymorphonuclear leukocytes from patients receiving theophylline therapy. Kyong CU, et al. **J Allergy Clin Immunol** 1982 May;69(5):444–7

Effects of prostaglandin D2 and theophylline on rat serosal mast cells: discordance between increased cellular levels of cyclic AMP and activation of cyclic AMP-dependent protein kinase. Holgate ST, et al. **J Immunol** 1981 Oct; 127(4):1530–3

Theophylline and melanocyte-stimulating hormone effects on gamma-glutamyl transpeptidase and DOPA reactions in cultured melanoma cells. Hu F. **J Invest Dermatol** 1982 Jul;79(1):57–62

Effects of theophylline on behavioral state development in the newborn rabbit. Denenberg VH, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):604–8

Augmentation by theophylline of [3H]purine release from vascular adrenergic nerves: evidence for presynaptic autoinhibition. Katsuragi T, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):152–6

Effect of Escherichia coli heat-stable enterotoxin, cholera toxin and theophylline on ion transport in porcine colon. Argenzio RA, et al. **J Physiol (Lond)** 1981 Nov;320:469–87

The effect of theophylline on intestinal bicarbonate transport measured by pH stat in Amphiuma. Imon MA, et al. **J Physiol (Lond)** 1981 Dec;321:343–54

Chloride transport and intracellular chloride activity in the presence of theophylline in Amphiuma small intestine. White JF. **J Physiol (Lond)** 1981 Dec;321:331–41

Effect of theophylline on the release and contents of prostaglandins E and F in rat renal medulla. Takeuchi K, et al. **Jpn J Pharmacol** 1981 Jun;31(3):477–9

Effects of methylxanthines on urinary prostaglandin E excretion in rats. Takeuchi K, et al. **Jpn J Pharmacol** 1981 Apr;31(2):253–9

Theophylline potentiates glucagon-induced hepatic glucose production in man but does not prevent hepatic downregulation to glucagon. Rizza RA, et al. **Metabolism** 1982 Mar;31(3):205–8

Antagonism of gamma-aminobutyric acid and muscimol by picrotoxin, bicuculline, strychnine, bemegride, leptazol, D-tubocurarine and theophylline in the isolated olfactory cortex. Scholfield CN. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):274–80

Effects of caffeine and theophylline on adenosine and benzodiazepine receptors in human brain. Boulenger JP, et al. **Neurosci Lett** 1982 May 28;30(2):161–6

Effects of theophylline on the neonatal immune response. Baley JE, et al. **Pediatr Res** 1982 Aug;16(8):649–52

Effect of theophylline and imidazole on cyclic AMP and cyclic GMP levels in active sartorius muscle of Rana esculenta. Fanò G, et al. **Pharmacol Res Commun** 1981 May; 13(5):451–9

Plasma concentrations of the cyclic nucleotides, adenosine 3',5'-monophosphate and guanosine 3',5'-monophosphate, in healthy adults treated with theophylline. Fenger M, et al. **Pharmacology** 1982;24(4):215–21

Effects of cyclic adenosine and cyclic guanosine nucleotides and theophylline on gastrin synthesis and secretion in rat antral organ culture. Harty RF, et al. **Pharmacology** 1982 Jan;24(1):35–44

Theophylline disrupts diurnal rhythms of humoral factors with loss of meal cyclicity. Sakata T, et al. **Physiol Behav** 1982 Apr;28(4):641–7

Enhancement of methotrexate activity by theophylline in HeLa cell cultures. Bendas CM, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):105–9

Effect of methylxanthines on the spontaneous appetite for NaCl solutions in rats. Fregly MJ, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):182–7

Autologous mixed lymphocyte reaction in man. III. Regulation of autologous MLR by theophylline-resistant and -sensitive human T-lymphocyte subpopulations. Damle NK, et al. **Scand J Immunol** 1981 May;15(5):493–9

Developmental pharmacology of the methylxanthines. Introduction. Soyka LF. **Semin Perinatol** 1981 Oct; 5(4):303–4

Effects of methylxanthines on lipid synthesis in developing neural systems. Volpe JJ. **Semin Perinatol** 1981 Oct; 5(4):395–405

[Comparison of bronchodilator effects of salbutamol and theophylline (author's transl)] Racineux JL, et al. **Bull Eur Physiopathol Respir** 1981;17(5):799–806 **(Fre)**

[Influence of a new macrolide, midecamycin on theophylline pharmacokinetics (author's transl)] Lavarenne J, et al. **Therapie** 1981 Jul–Aug;36(4):451–6 (Eng. Abstr.) **(Fre)**

[Influence of theophylline on hexachlorobenzene induced porphyria (author's transl)] Goerz G, et al. **Arzneimittelforsch** 1981;31(9):1446–7 (Eng. Abstr.) **(Ger)**

[Testing of lung function after theophylline inhalation (author's transl)] Greger G. **Z Erkr Atmungsorgane** 1981; 157(3):270–5 (Eng. Abstr.) **(Ger)**

[On the inhibition of immediate and delayed type allergic skin reactions by the drugs elevating cellular cyclic AMP (author's transl)] Saiga T. **Nippon Ika Daigaku Zasshi** 1981 Jun;48(3):444–50 (Eng. Abstr.) **(Jpn)**

[Effect of methylxanthines on urinary prostaglandin E excretion of rats acutely loaded with salt and water (author's transl)] Takeuchi K, et al. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):427–34 (Eng. Abstr.) **(Jpn)**

[Effect of theophylline on prostaglandin E release from renal medullary tissue in rat (author's transl)] Takeuchi K, et al. **Yakugaku Zasshi** 1981 Oct;101(10):945–50 (Eng. Abstr.) **(Jpn)**

[Effect of theophylline on the electrical activity of the Helix pomatia neuron PPa2] Kononenko NI. **Neirofiziologiia** 1981;13(6):655–7 (Eng. Abstr.) **(Rus)**

[Role of SH-groups in the pharmacology of the action of novurite and ethacrynic acid] Kantariia VA, et al. **Ukr Biokhim Zh** 1982;54(1):51–4 (Eng. Abstr.) **(Rus)**

POISONING

About three cases of acute theophylline intoxication: clinical, toxicological and pharmacokinetic studies. Lambert M, et al. **Acta Clin Belg** 1981;36(1):30–6

Theophylline toxicity after dyphylline therapy. Bussey HI. **Am Rev Respir Dis** 1981 Oct;124(4):504

Massive accidental theophylline ingestion: linear first order elimination kinetics in an infant. Haddad ZH, et al. **Ann Allergy** 1982 Mar;48(3):178–9

Cimetidine–theophylline–terbutaline [letter] **Ann Intern Med** 1982 Apr;96(4):530–1

Fatal overdose of theophylline simulating acute pancreatitis. Burgan TH, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):939–40

Comment on theophylline overdose [letter] Lawless LM. **Drug Intell Clin Pharm** 1981 Mar;15(3):215

Charcoal haemodetoxification for theophylline toxicity. Shankar PS, et al. **Indian J Chest Dis Allied Sci** 1981 Apr–Jun;23(2):93–6

Linear elimination kinetics but non-linear pharmacodynamics in theophylline intoxication in a child. Reinhardt D, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr;20(4):171–3

Markedly prolonged theophylline half-life in liver failure. Baselt RC, et al. **J Anal Toxicol** 1982 Mar–Apr;6(2):62–3

Altered theophylline clearance during an influenza B outbreak. Kraemer MJ, et al. **Pediatrics** 1982 Apr; 69(4):476–80

[Acute theophylline poisoning treated with combined hemoperfusion and hemodialysis] Alván G, et al. **Lakartidningen** 1982 Mar 3;79(9):745–6 **(Swe)**

RADIATION EFFECTS

[Photo-stability of theophylline in aqueous aliphatic amine solutions under oxygen (author's transl)] Ishiguro Y, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1159–63 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Double-blind comparative trial of Nuelin Depot and TheoDur with adjusted dosage in asthmatic adults. Langaker KE, et al. **Allergy** 1981 Oct;36(7):501–5

Theophylline therapy in bronchiolitis. A retrospective study. Brooks LJ, et al. **Am J Dis Child** 1981 Oct;135(10):934–6

Concurrent use of theophylline and lithium in a patient with chronic obstructive lung disease and bipolar disorder. Sierles FS, et al. **Am J Psychiatry** 1982 Jan;139(1):117–8

Theophylline serum concentration and therapeutic effect in severe acute bronchial obstruction: the optimal use of intravenously administered aminophylline. Vozeh S, et al. **Am Rev Respir Dis** 1982 Feb;125(2):181–4

Comparison of the long-term effect of fenoterol hydrobromide and theophylline syrups in pre-school asthmatic children. Nolan G, et al. **Ann Allergy** 1982 Aug; 49(2):93–6

Theophylline in treatment of apnoea of prematurity. Gupta JM, et al. **Aust Paediatr J** 1981 Dec;17(4):290–1

Modelling theophylline response in individual patients with chronic bronchitis. Whiting B, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):481–7

A controlled study of slow-release theophylline and aminophylline in patients with chronic bronchitis. Jenkins PF, et al. **Br J Dis Chest** 1982 Jan;76(1):57–60

The addition of an aerosol anticholinergic to an oral beta agonist plus theophylline in asthma and bronchitis. A double-blind single dose study. Lefcoe NM, et al. **Chest** 1982 Sep;82(3):300–5

A comparison of metaproterenol and theophylline for control of childhood asthma. Schuller DE, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):135–42

Theophylline kinetics and ventilatory flow in bronchial asthma and chronic airflow obstruction: influence of erythromycin. Richer C, et al. **Clin Pharmacol Ther** 1982 May;31(5):579–86

Which oral theophylline preparation in asthma? **Drug Ther Bull** 1981 Jul 31;19(16):61–3

The combined effect of theophylline and terbutaline in patients with chronic obstructive airway diseases. Lamont H, et al. **Eur J Respir Dis** 1982 Jan;63(1):13–22

beta 2–Adrenoceptor stimulants and theophylline in asthma therapy. Svedmyr K. **Eur J Respir Dis [Suppl]** 1981; 116:1–48

Comparison of orally administered metaproterenol and theophylline in the control of chronic asthma. Dusdieker L, et al. **J Pediatr** 1982 Aug;101(2):281–7

The efficacy of theophylline in premature infants with mixed and obstructive apnea and apnea associated with pulmonary and neurologic disease. Roberts JL, et al. **J Pediatr** 1982 Jun;100(6):968–70

Use of theophylline in bronchial asthma. Bruner JM. **JAOA** 1981 Aug;80(12 Suppl):875–82

Considerations in office management of chronic obstructive pulmonary disease. Schwartz AM. **JAOA** 1981 Aug;80(12 Suppl):866–9

Universal adenosine receptor antagonism is neither necessary nor desirable with xanthine antiasthmatics. Persson CG. **Med Hypotheses** 1982 May;8(5):515–26

Antibiotics and asthma therapy [letter] Hamilton W. **NZ Med J** 1981 Dec 9;94(697):433

Efficacy of low-dose theophylline. Milsap RL, et al. **Semin Perinatol** 1981 Oct;5(4):321–5

Long-term outcome of premature infants treated with theophylline. Nelson RM Jr, et al. **Semin Perinatol** 1981 Oct;5(4):370–3

Synergism between ipratropium and theophylline in asthma. Kreisman H, et al. **Thorax** 1981 May;36(5):387–91

[Measure out oral theophylline exactly. Also determine theophylline levels in clinical practice] **Fortschr Med** 1982 Jan 28;100(4):150 **(Ger)**

[The renaissance of theophylline therapy] Ahrens J. **Fortschr Med** 1982 Jun 17;100(23):1120–4 (Eng. Abstr.) **(Ger)**

[Obstructive airway diseases. Basic therapy with pure theophylline in retard form] Pollert I. **Fortschr Med** 1982 Mar 25;100(12):547–50 **(Ger)**

[Theophylline in allergic bronchial asthma (author's transl)] Kügler D, et al. **Prax Klin Pneumol** 1982 Jan;36(1):27–32 (Eng. Abstr.) **(Ger)**

[Efficacy of theophylline aerosols in obstructive lung diseases (author's transl)] Kandt D, et al. **Respiration** 1981; 42(4):278–82 (Eng. Abstr.) **(Ger)**

[Is there a renaissance of oral theophylline therapy in chronic obstructive airway syndrome?] Fenner HG. **ZFA (Stuttgart)** 1981 Jul 31;57(21):1480–4 **(Ger)**

[Treatment of obstructive respiratory disorders using a new theophylline retard preparation] Schroers M, et al. **ZFA (Stuttgart)** 1982 Jun 20;58(17):974–8 **(Ger)**

[Microcrystallinic theophylline, plasma concentration and adverse effects in patients with obstructive lung disease] Talseth T, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20; 101(29):1648–50 (Eng. Abstr.) **(Nor)**

TOXICITY

Theophylline toxicity after dyphylline therapy [letter] Ackerman BL, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):484

Subchronic administration of caffeine and theophylline in drinking water: effects on rat liver RNA polymerase I activity. Shields P, et al. **Drug Chem Toxicol** 1981; 4(2):89–100

[Theophylline cytotoxicity evidence in glomerular histiotypic and organotypic cultures (author's transl)] Cambar J, et al. **Ann Pharm Fr** 1981;39(5):473–81 (Eng. Abstr.) **(Fre)**

URINE

Deuteromethylation of dimethylxanthines: a gas chromatographic mass spectrometric method for confirmatory analysis in horse urine extracts. Houghton E. **Biomed Mass Spectrom** 1982 Mar;9(3):103–7

Measurement of excretion characteristics of theophylline and its major metabolites. Jonkman JH, et al. **Eur J Clin Pharmacol** 1981;20(6):435–41

Steady state urinary excretion of theophylline and its metabolites in the presence of erythromycin. Melethil S, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):341–4

THERAPEUTIC COMMUNITY

Back on the streets: therapeutic communities' impact upon drug users. Coombs RH. **Am J Drug Alcohol Abuse** 1981; 8(2):185–201

A critique of the process-oriented approach to ward staff meetings. Abrams RC, et al. **Am J Psychiatry** 1982 Jun; 139(6):769–73

The acute administration ward as a therapeutic community. Steiner H, et al. **Am J Psychiatry** 1982 Jul;139(7):897–901

Temporal patterns in ward disturbance among psychiatric patients. Bouras N, et al. **Br J Clin Psychol** 1981 Jun;20(Pt 2):139–40

Therapeutic paradox – the patient culture and the formal treatment programme in a therapeutic community. Bloor MJ. **Br J Med Psychol** 1981 Dec;54(Pt 4):359–69

Evaluation of different forms of community meeting in a psychiatric unit in Hong Kong. Ng ML, et al. **Br J Psychiatry** 1982 May;140:491–7

Effective use of community meetings on psychiatric treatment units. Arons BS. **Hosp Community Psychiatry** 1982 Jun;33(6):480–3

Cost-benefit analysis of a behavioral program for geriatric inpatients. Frank PJ, et al. **Hosp Community Psychiatry** 1982 May;33(5):374–7

Staffing patterns and the weekly cycle of community meetings on an adult inpatient unit. Ritvo JI. **Hosp Community Psychiatry** 1982 May;33(5):384–5

Defining and understanding the therapeutic community. Wilmer HA. **Hosp Community Psychiatry** 1981 Feb; 32(2):95–9

The therapeutic community: success and improvement rates 5 years after treatment. De Leon G, et al. **Int J Addict** 1982 May;17(4):703–47

The MMPI as a predictor of retention in a therapeutic community for heroin addicts. Foureman WC, et al. **Int J Addict** 1981 Jul;16(5):893–903

Women in drug abuse treatment programs: factors that influence retention at very early and later stages in two treatment modalities. A summary. Moise R, et al. **Int J Addict** 1981 Oct;16(7):1295–300

What is the role of violence in the therapeutic community? Stine LJ, et al. **Int J Addict** 1982 Feb;17(2):377–92 (55 ref.)

Viewing the therapeutic community through Adlerian spectacles. Erickson RC. **Int J Group Psychother** 1982 Apr; 32(2):201–16

The patient–staff community meeting: a tea party with the mad hatter. Klein RH. **Int J Group Psychother** 1981 Apr; 31(2):205–22

A structured environment for heroin addicts: the experiences of a community-based American methadone clinic and a residential Dutch therapeutic community. Bratter TE, et al. **Int J Soc Psychiatry** 1981 Autumn;27(3):189–203

Comparative assessment of two different types of therapeutic communities. Verhaest S, et al. **Int J Soc Psychiatry** 1982 Spring;28(1):45–52

A therapeutic community program for a multi-cultural adolescent population. Schneider S, et al. **Isr J Psychiatr Relat Sci** 1982;19(1):81–92

From enthusiasm to resignation in a therapeutic community. A process evaluation of a mental hospital ward with the Ward Atmosphere Scale (WAS). Friis S. **J Oslo City Hosp** 1981 Apr–Jun;31(4–6):51–4

The effects of change of leadership in a therapeutic community. Jørstad J. **J Oslo City Hosp** 1981 Apr–Jun; 31(4–6):75–80

The primary task of open heterogeneous groups in a therapeutic community. Karterud S. **J Oslo City Hosp** 1981 Apr–Jun;31(4–6):71–4

Diagnosis, treatment problems and course of patients transferred from a therapeutic community ward to a mental hospital. Kleppe H. **J Oslo City Hosp** 1981 Apr–Jun; 31(4–6):67–9

Problems of establishing a therapeutic community ward within a mental hospital. Lorentzen S. **J Oslo City Hosp** 1981 Apr–Jun;31(4–6):47–9

The problem of individualized milieu treatment in a therapeutic community. Lystrup S. **J Oslo City Hosp** 1981 Apr–Jun;31(4–6):59–61

Some limiting factors of therapeutic communities introduction to the papers in this issue. Vaglum P. **J Oslo City Hosp** 1981 Apr–Jun;31(4–6):45–6

What was helpful and what was harmful? Patients evaluate the progress of recovery in a therapeutic community. Vaglum P, et al. **J Oslo City Hosp** 1981 Apr–Jun; 31(4–6):55–8

Scapegoating: manifestation and intervention. Siegel E. **J Psychiatr Nurs** 1981 Apr;19(4):11–5

Moral treatment and the therapeutic community. Hollander R. **Psychiatr Q** 1981 Summer;53(2):132–8

The role of the psychoanalytically oriented psychotherapist within a therapeutic community. Druck AB. **Psychiatry** 1982 Feb;45(1):45–59

The structure and technique of community meetings: the short-term unit. Russakoff LM, et al. **Psychiatry** 1982 Feb; 45(1):38–44

[The role of sociotherapeutic community in geriatry (author's transl)] Martinčević-Ljumanović R. **Aktule Gerontol** 1980 Dec;10(12):551–5 (Eng. Abstr.) **(Ger)**

[Q-fever in a rehabilitation center for drug addicts] Gerth HJ, et al. **Off Gesundheitswes** 1982 Jun;44(6):361–4 **(Ger)**

[Balance of a therapeutic dwelling community –self-aid or care? (author's transl] Engelke W, et al. **Psychiatr Prax** 1980 May;7(2):72–80 (Eng. Abstr.) **(Ger)**

[The principles of curative society in nonpsychiatric wards (author's transl)] Sobczyk P, et al. **Przegl Lek** 1981; 38(10):731–4 (13 ref.) **(Pol)**

[Working with non-professional personnel in a psychiatric hospital] Gómez EA. **Rev Neuropsiquiatr** 1979 Sep–Dec; 42(3–4):165–73 (Eng. Abstr.) **(Spa)**

THERAPEUTIC CULTS

see related
QUACKERY

The 'alternative therapy' controversy: facts are needed. Moser KM. **Heart Lung** 1982 May–Jun;11(3):195–6

At the centre and on the fringes [editorial] **Lancet** 1981 Nov 28;2(8257):1209

Good vibrations: Abrams's oscilloclast and the instrumental cure. Roth N. **Med Instrum** 1981 Nov–Dec;15(6):383–4

Sounding boards. After laetrile, what? Cassileth BR. **N Engl J Med** 1982 Jun 17;306(24):1482–4

Dr. Moreno Cañas: a symbolic bridge to the demedicalization of healing. Low SM. **Soc Sci Med** 1982;16(5):527–31

Nutrition cultism. Herbert V. **West J Med** 1981 Sep; 135(3):252–6

[Verdict of the Supreme Court of the Federal Republic of Germany on advertising by non-medical practitioners] Rieger HJ. **Dtsch Med Wochenschr** 1982 Jun 11; 107(23):913–5 **(Ger)**

[The paramedical approach and medical ethics (author's transl)] Ewerbeck H. **Monatsschr Kinderheilkd** 1982 Feb; 130(2):78–81 (Eng. Abstr.) **(Ger)**

HISTORY

Medicine in the USA: historical vignettes. III. Medical sects and their influence. King LS. **JAMA** 1982 Sep 10; 248(10):1221–4

THERAPEUTIC EQUIVALENCY

Therapeutic substitution and the hospital formulary system. Doering PL, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1949–51

State regulatory positions concerning therapeutic substitutions in hospitals. Doering PL, et al. **Am J Hosp Pharm** 1981 Dec;38(12):1900–3

Therapeutic substitution practices in short-term hospitals. Doering PL, et al. **Am J Hosp Pharm** 1982 Jun; 39(6):1028–32

Repeated-measures bioassay with correlated errors and heterogeneous variances: a Monte Carlo study. Elashoff JD. **Biometrics** 1981 Sep;37(3):475–82

Generic prescribing and the drug industry [editorial] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):919

An aid to decision-making in bioequivalence assessment. Fluehler H, et al. **J Pharmacokinet Biopharm** 1981 Apr; 9(2):235–43

Drug substitution encouraged by law [letter] Stoffer SS, et al. **JAMA** 1981 Oct 2;246(14):1545

Drug substitution, savings, and safety [editorial] **Lancet** 1982 Sep 18;2(8299):640

THERAPEUTICS

Impact of alternative method of teaching and continuing education on treatment of illnesses and usage of drugs by community health volunteers. Kumar V, et al. **Indian J Med Res** 1981 Aug;74:301–7

Therapeutic decision-making for second-year medical students. Peck CC, et al. **J Med Educ** 1981 Dec; 56(12):1024–6

Straining out gnats [letter] Soule RM. **JAMA** 1982 Mar 12; 247(10):1407

Algorithms for the clinician [editorial] **Lancet** 1982 Sep 4; 2(8297):528–9

On the elicitation of preferences for alternative therapies. McNeil BJ, et al. **N Engl J Med** 1982 May 27; 306(21):1259–62

Healing and cultural transformation: the Tswana of southern Africa] Comaroff J. **Soc Sci Med [B]** 1981 Jul;15(3):367–78

Therapy as a system-in-action in northeastern Tanzania. Feierman S. **Soc Sci Med [B]** 1981 Jul;15(3):353–60

[Multidimensional structure of healing in Kinshasa, capital of Zaire] Kimpianga J, et al. **Soc Sci Med [B]** 1981 Jul; 15(3):341–9 **(Fre)**

[Clinical aspects of the practical implementation of therapy studies] Havemann K, et al. **Internist (Berlin)** 1982 Apr; 23(4):201–8 **(Ger)**

[Disease: logos and ethos. The relationship of knowledge and the treatment principle in medicine] Magin MN. **Med Welt** 1982 Feb 26;33(8):294–7 **(Ger)**

[Critique of so-called outsider methods in medical therapy] Quandt J. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Feb; 34(2):115–9 (Eng. Abstr.) **(Ger)**

[Unnecessary diagnosis–unnecessary therapy] Anschütz F, et al. **ZFA (Stuttgart)** 1981 Aug 31;57(24):1589–1600 **(Ger)**

[Diagnostic and therapeutic algorithms in the training of students in internal medicine] Komarov FI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):106–8 **(Rus)**

[Self-training and self-control of knowledge assimilation in a course in graduate-level therapy] Kiumov AD, et al. **Sov Med** 1982;(1):74–6 **(Rus)**

[Therapeutic approaches: specialization and instrumentalism, clinical empirism and individualization] Gogin EE. **Ter Arkh** 1981;53(5):29–33 **(Rus)**

[Optimizing the teaching of therapy in a military medicine department] Barashkov NA, et al. **Voen Med Zh** 1981 Sep; (9):17–9 **(Rus)**

HISTORY

Greatrakes the Stroker: the interpretations of his contemporaries. Kaplan BB. **Isis** 1982 Jun;73(267):178–85

Greatrakes the Stroker: the interpretations of historians. Steneck NH. **Isis** 1982 Jun;73(267):161–77

An historical profile of veterinary pharmacology and therapeutics. Ruckebusch Y. **J Vet Pharmacol Ther** 1982 Mar;5(1):1–20 (59 ref.)

Medical resistance to innovation. Forman R. **Med Hypotheses** 1981 Aug;7(8):1009–17

The methodus medendi as an index of change in the philosophy of medical science in the sixteenth and seventeenth centuries. Boss J.
Pubbl Stn Zool Napoli [II] 1979;1(1):13–42
[Chapters from the history of therapeutics in Debrecen] Szentgyörgyvölgyi G. **Orv Hetil** 1982 May 2; 123(18):1114–6 **(Hun)**

STANDARDS

Safety, efficacy, and effectiveness of clinical practices: a new initiative. Schwartz JS, et al. **Ann Intern Med** 1982 Feb; 96(2):246–7
Improved observational method for studying therapeutic efficacy. Suggestive evidence that lidocaine prophylaxis prevents death in acute myocardial infarction. Horwitz RI, et al. **JAMA** 1981 Nov 27;246(21):2455–9
Therapeutic innovation to be sought or to be avoided? Howard RB. **Postgrad Med** 1982 Feb;71(2):19–20
Problems of clinical trials as evidence of therapeutic effectiveness. Hemminki E. **Soc Sci Med** 1982;16(6):711–2

VETERINARY

Avian therapeutics. Woerpel RW, et al. **Mod Vet Pract** 1981 Dec;62(12):947–9

THERAPEUTICS COMMITTEE see **PHARMACY AND THERAPEUTICS COMMITTEE**

THERMAL CONDUCTIVITY

The effect of thermal conduction during local hyperthermia induced by ultrasound: a phantom study. Hynynen K, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):68–70
Pulse-decay method for measuring the thermal conductivity of living tissues. Chen MM, et al. **J Biomech Eng** 1981 Nov;103(4):253–60
Thermal-energy dissipation: a laboratory study to assess patency in blood vessels. Cohn KH, et al.
Plast Reconstr Surg 1982 Oct;70(4):475–80
[Fluvographic research in atopic dermatitis during climatotherapy/North Sea (author's transl)] Pürschel W, et al. **Z Hautkr** 1982 Jan 1;57(1):38–46 (Eng. Abstr.) **(Ger)**

THERMAL WATER POLLUTION see **WATER POLLUTION, THERMAL**

THERMODILUTION

An evaluation of thermodilution cardiac output measurement using the Swan-Ganz catheter. Runciman WB, et al.
Anaesth Intensive Care 1981 Aug;9(3):208–20
Two-dimensional echocardiographic assessment of left ventricular stroke volume: experimental correlation with thermodilution and cineangiography in normal and ischemic states. Gueret P, et al.
Cathet Cardiovasc Diagn 1981;7(3):247–58
A complication with thermodilution cardiac outputs in centrally-placed pulmonary artery catheters [letter] Bearss MG, et al. **Chest** 1982 Apr;81(4):527
Local thermodilution: a reliable technique for estimating renal blood flow in the rabbit. Baker DG, et al.
Comp Biochem Physiol [A] 1982;72(1):157–60
Flow-dependence of extravascular thermal volume as an index of pulmonary edema. Rice DL, et al.
Intensive Care Med 1981;7(6):269–75
Thermodilution technique for measurement of cardiac output during artificial ventilation. Jansen JR, et al.
J Appl Physiol 1981 Sep;51(3):584–91
Cardiac output determination after cardiac operation. Lack of correlation between direct measurements and indirect estimates. Kohanna FH, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):904–8
Cortical blood flow: thermal diffusion vs isotope clearance. Carter LP, et al. **Stroke** 1981 Jul-Aug;12(4):513–8
[Determination of cardiac output by thermodilution and its application on clinical hemodynamic monitoring (author's transl)] Feng JZ.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1981 Dec; 9(4):299–301 **(Chi)**
[Measurement of left ventricular output, ejection fraction, and end-diastolic volume by thermodilution (author's transl)] Kazama S, et al.
Nippon Kyobu Geka Gakkai Zasshi 1981 Nov; 29(11):1753–62 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

A potential hazard of thermodilution injection [letter] Koht A. **Anesth Analg (Cleve)** 1982 Jun;61(6):544
A critical improvement of the local thermodilution method for measuring renal blood flow in man. Magrini F, et al. **Cardiovasc Res** 1982 Jun;16(6):350–4
Correction factor for thermodilution determination of cardiac output in children. Baskoff JD, et al. **Crit Care Med** 1981 Dec;9(12):870–2
Automatic injector for thermodilution cardiac outputs [letter] Jackson M. **Crit Care Med** 1982 Apr;10(4):294
Automatic vs manual injections for thermodilution cardiac output determinations. Nelson LD, et al. **Crit Care Med** 1982 Mar;10(3):190–2

METHODS

Correlation of blood temperature fluctuations with blood pressure waves. Appelbaum A, et al. **Basic Res Cardiol** 1982 Jan-Feb;77(1):93–9
Overestimation of pediatric cardiac output by thermal indicator loss. Maruschak GF, et al. **Circulation** 1982 Feb; 65(2):380–3
Effects of the respiratory cycle on cardiac output measurements: reproducibility of data enhanced by timing the thermodilution injections in dogs. Armengol J, et al. **Crit Care Med** 1981 Dec;9(12):852–4
Measurement of cardiac output in small animals by aortic thermodilution. Isoyama T, et al. **J Surg Res** 1982 Aug; 33(2):170–6
Estimation of coronary reserve in left anterior descending and circumflex coronary arteries by regional thermodilution technique. Kurita A, et al. **Jpn Circ J** 1982 Sep;46(9):964–73
Evaluation of the continuous thermal dilution technique for measurement of coronary blood flow. Gisselsson L, et al. **Ups J Med Sci** 1981;86(1):83–92
[Measurement of coronary sinus blood flow by continuous thermodilution—re-evaluation of the previous method (author's transl)] Kawachi K, et al. **Kokyu To Junkan** 1982 Jan;30(1):67–70 (Eng. Abstr.) **(Jpn)**

THERMODYNAMICS

Thermodynamic analysis of active sodium and potassium transport in the frog corneal epithelium. Candia OA, et al. **Am J Physiol** 1982 Jun;242(6):F690–8
The thermodynamics of lysozyme denaturation by urea. Characterization of an unfolding intermediate by absorption spectrophotometry in the far and middle ultraviolet region. Hampe OG, et al. **An Acad Bras Cienc** 1981 Mar; 53(1):47–55
A thermodynamic description of the binding of iron to ferrioxamine B in aqueous solutions. Gould BL, et al.
Arch Biochem Biophys 1982 Apr 15;215(1):148–56
The effect of temperature on the self-association of S5 and on the association of S5 with S8 as determined by sedimentation equilibrium. Tindall SH, et al.
Arch Biochem Biophys 1982 Apr 1;214(2):516–21
Enthalpy and heat capacity changes for the reduction of insulin. Fukada H, et al. **Biochemistry** 1982 Mar 30; 21(7):1570–4
Determination of the free-energy coupling for binding of calcium ions and troponin I to calmodulin. Keller CH, et al. **Biochemistry** 1982 Jan 5;21(1):156–62
The thermodynamics of myoglobin stability. Effects of axial ligand. Cho KC, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):206–15
The mechanics and thermodynamics of separation flow through porous, molecularly disperse, solid media – the Poiseuille Lecture 1981. Silberberg A. **Biorheology** 1982; 19(1/2):111–27
Thermodynamics of lipid--protein associations: the enthalpy of binding of Apo C-III to synthetic phosphatidylcholines. Pownall HJ, et al. **Can J Biochem** 1981 Aug;59(8):700–8
Thermal stability and the biochemical genetics of erythrocyte catechol-O-methyl-transferase and plasma dopamine-beta-hydroxylase. Weinshilboum R, et al.
Clin Genet 1981 May;19(5):426–36
A program to calculate non-bonded interaction energy in biomolecular aggregates. Sundaram K, et al.
Comput Programs Biomed 1982 Feb;14(1):41–6
Adenosine deaminase covalently linked to soluble dextran. The effect of immobilization on thermodynamic and kinetic parameters. Rosemeyer H, et al. **Eur J Biochem** 1982 Feb; 122(2):375–80
The central tryptic fragment of histones H1 and H5 is a fully compacted domain and is the only folded region in the polypeptide chain. A thermodynamic study. Tiktopulo EI, et al. **Eur J Biochem** 1982 Feb;122(2):327–31
Energy flow in Ulysses. Morowitz HJ. **Hosp Pract** 1982 Sep; 17(9):198–9, 202
Thermodynamic and immunological properties of a monoclonal antibody to human blood group A. Edelman L, et al. **Immunology** 1981 Nov;44(3):549–54
Determination of the thermodynamic parameters for 5'-sulfate coenzyme derivatives. Apotyrosine transaminase complex formation. Minelli A, et al. **Ital J Biochem** 1982 Jan-Feb;31(1):17–21
Application of network thermodynamics to the computer modeling of the pharmacology of anticancer agents: a network model for methotrexate action as a comprehensive example. White JC, et al. **Pharmacol Ther** 1981;15(2):251–91 (39 ref.)
Reaction kinetics in living systems. Eyring H, et al.
Proc Natl Acad Sci USA 1981 Sep;78(9):5549–53
[Nonequilibrium thermodynamics of biological systems] Dvořák I, et al. **Cesk Fysiol** 1982;31(3):245–56 **(Cze)**
[Development and disease in the newborn infant from the viewpoint of the thermodynamics of irreversible processes] Simbruner G. **Padiatr Padol** 1982;17(2):529–34 (Eng. Abstr.) **(Ger)**
[The thermodynamic activity coefficient in pharmacology and toxicology] Toffoli C, et al. **Boll Chim Farm** 1981 May; 120(5):253–72 (Eng. Abstr.) **(Ita)**
[Thermodynamics of the binding isotherm of bromthymol blue to bovine serum albumin and interfacial action of methoxyflurane (author's transl)] Mashimo T, et al. Masui 1981 Dec;30(12):1340–6 (Eng. Abstr.) **(Jpn)**
[Isotherm adsorption-based determination of energy state spectra] Nechipurenko IuD. **Biofizika** 1981 Sep-Oct; 26(5):786–9 (Eng. Abstr.) **(Rus)**
[Thermodynamic description of a new interaction model in the valinomycin-salt system] Golikov AG, et al.
Dokl Akad Nauk SSSR 1981;260(1):219–23 **(Rus)**

THERMOELECTRIC POWER PLANTS see **POWER PLANTS**

THERMOGRAPHY

Telethermography: a non-invasive method for the estimation of uteroplacental perfusion. Paulin F, et al.
Acta Chir Acad Sci Hung 1981;22(1-2):89–94
Arteriovenous communications in varicose veins localized by thermography and identified by operative microscopy. Schalin L. **Acta Chir Scand** 1981;147(6):409–20
Thermography as a screening method in the diagnosis of deep venous thrombosis of the leg. Wojciechowski J, et al.
Acta Radiol [Diagn] (Stockh) 1981;22(5):581–4
Thermography in deep venous thrombosis of the leg. Aronen HJ, et al. **AJR** 1981 Dec;137(6):1179–82
The thermographic assessment of inflammation and anti-inflammatory drugs in osteoarthritis. Ring EF, et al.
Br J Clin Pract 1981 Jul-Aug;35(7-8):263–4
After-exercise thermography and prediction of deep vein thrombosis. Lindhagen A, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1825–6
Thermography in breast diagnosis. Sterns EE, et al.
Cancer 1982 Jul 15;50(2):323–5
Thermography in assessing coronary artery saphenous graft patency and blood flow. Shabbo FP, et al.
Cardiovasc Res 1982 Mar;16(3):158–62
Breast thermography. Nyirjesy I. **Clin Obstet Gynecol** 1982 Jun;25(2):401–8
Integrated mammillary diagnostic experience: telethermography, mammography, echography, cytology. Mustacchi G, et al. **Eur J Gynaec Oncol** 1980 Dec; 1(3):185–7
Comparison between thermograph and venous scintigraphy of the scrotum in the diagnosis of varicocele. Comhaire F, et al. **Int J Androl** 1981 Dec;4(6):663–8
Quantitative thermal imaging to assess inositol nicotinate treatment for Raynaud's syndrome. Ring EF, et al.
J Int Med Res 1981;9(6):393–400
Lack of correlations between penile thermography and pelvic arteriography in 29 cases of erectile impotence. Buvat J, et al. **J Urol** 1982 Aug;128(2):298–9
Thermography finds multitude of applications [news] Henahan J. **JAMA** 1982 Jun 25;247(24):3296, 3301–3
Thermographic validation of physical complaints in 'psychogenic pain' patients. Hendler N, et al.
Psychosomatics 1982 Mar;23(3):283–7
Infra-red thermography in the assessment of sacro-iliac inflammation. Grennan DM, et al. **Rheumatol Rehabil** 1982 May;21(2):81–7
Thermography in the assessment of peripheral joint inflammation--a re-evaluation. Rajapakse C, et al.
Rheumatol Rehabil 1981 May;20(2):81–7
[Clinical significance of thermography of the forehead with liquid crystal membrane (author's transl)] Wang JG.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1981 Nov; 14(4):244–5 **(Chi)**
[Thermography in preventive screening for the venous system of the lower extremities (author's transl)] Holý J, et al. **Cas Lek Cesk** 1981 Oct 1;120(39):1182–7 (Eng. Abstr.) **(Cze)**
[Thermographic examination of the varicose complex of lower extremities (author's transl)] Holý J, et al.
Cesk Radiol 1981 Sep;35(5):299–303 (Eng. Abstr.) **(Cze)**
[The use of thermography in the clinical and therapeutic evaluation of periodontal diseases] Chairay JP, et al.
Actual Odontostomatol (Paris) 1981;136:665–73 (Eng. Abstr.) **(Fre)**
[Contribution of infrared thermography to the study of the lacrimal film] Deschamps F, et al.
Bull Soc Ophtalmol Fr 1981 Dec;81(12):1155–7 (Eng. Abstr.) **(Fre)**
[Mammary thermography] Dumoulin J. **Electrodiagn Ther** 1981;18(3):111–8 **(Fre)**
[Trial of a new drug in Raynaud's disease. Clinical and thermographic control] Dumoulin J. **Electrodiagn Ther** 1981;18(4):168–74 (Eng. Abstr.) **(Fre)**
[Subclinical varicocele: detection using Doppler and thermography] Pellet B, et al. **Helv Chir Acta** 1981 Aug; 48(3-4):355–8 (Eng. Abstr.) **(Fre)**
[The future of women with isolated abnormal infrared thermogram of the breast (author's transl)] Amalric R, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3153–5 (Eng. Abstr.) **(Fre)**
[Development of erythema in thermographic images] Stüttgen G, et al. **Hautarzt** 1981 Dec;32(12):622–8 (Eng. Abstr.) **(Ger)**
[Differential thermography of breast cancer] Kassen F, et al. **Med Welt** 1982 Apr 8;33(14):495–500 **(Ger)**
[Telethermography and direct 02 measurements of the myocardium as criteria for the efficacy of arterialization of heart veins] Ebner E, et al. **Z Arztl Fortbild (Jena)** 1981 Dec 15;75(24):1169–70 **(Ger)**
[Arterialization of the coronary veins as a therapeutic

measure in acute myocardial ischemia. Experimental studies on the miniswine. II. Cardiothermography and intramyocardial oxygen tension] Ebner E, et al. **Z Exp Chir** 1981;14(5):287–92 (Eng. Abstr.) **(Ger)**

[Diagnosis of insufficient perforating veins using thermographic plates] Funke C, et al. **Z Gesamte Inn Med** 1981 Nov 1;36(21):818–21 (Eng. Abstr.) **(Ger)**

[Thermographical researches of full skin grafts (author's transl)] Härtel J, et al. **Zahn Mund Kieferheilkd** 1982; 70(1):10–5 (Eng. Abstr.) **(Ger)**

[The role of telethermography in the study of primary tumors and tumor-like conditions of bone] De Santis E, et al. **Arch Putti Chir Organi Mov** 1980;30:125–31 (Eng. Abstr.) **(Ita)**

[Our experience with the use of contact thermography in breast pathology (preliminary note)] Tinozzi S, et al. **Chir Ital** 1982 Feb;34(1):48–54 **(Ita)**

[Angiosarcoma of the breast: mammographic and thermographic study of 4 cases] Bergonzi S, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):45–50 (Eng. Abstr.) **(Ita)**

[Costal non-ossifying fibroma: radiological and thermographic aspects] Bock E, et al. **Radiol Med (Torino)** 1981 Sep;67(9):653–5 **(Ita)**

[Contribution of telethermography to the early diagnosis of bone metastases] De Santis M, et al. **Radiol Med (Torino)** 1981 Apr;67(4):253–4 **(Ita)**

[Thermography in the follow-up of bone and soft tissue tumors] Gattoni F, et al. **Radiol Med (Torino)** 1982 Apr; 68(4):261–5 (Eng. Abstr.) **(Ita)**

[Radiological and telethermographic diagnosis of breast lymphomas (28 cases)] Viganotti G, et al. **Radiol Med (Torino)** 1982 Jun;68(6):455–62 (Eng. Abstr.) **(Ita)**

[Thermography in the diagnosis of bone metastases] Viganotti G. **Radiol Med (Torino)** 1981 Apr;67(4):252–3 **(Ita)**

[Thermographic determination of blood volume in ischemic area] Fujimasa I, et al. **Nippon Rinsho** 1981;39(7):2554–9 **(Jpn)**

[Subclinical detection of neoplastic lesions of the breast by plate thermography. Experience with 3000 cases examined] Pinotti JA, et al. **AMB** 1981 Oct;27(10):294–6 (Eng. Abstr.) **(Por)**

[Use of thermography in the diagnosis of vascular diseases of the lower extremities] Gorianova LK, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

[Thermography in the diagnosis of atherosclerosis obliterans of the vessels of the lower extremities] Zenovko GI. **Khirurgiia (Mosk)** 1982 Feb;(2):96–8 **(Rus)**

[Importance of thermography in the diagnosis of cardiovascular diseases] Korolkov IP, et al. **Klin Med (Mosk)** 1980 Jul;58(7):33–7 (Eng. Abstr.) **(Rus)**

[Use of thermography and ultrasound dopplerography for evaluating efficacy of complamin in the treatment of patients with disorders of cerebral circulation] Kozlova EN, et al. **Klin Med (Mosk)** 1981 Sep;59(9):38–42 (Eng. Abstr.) **(Rus)**

[Thermographic changes in head and neck neoplasms following cryotherapy] Gamburg IuL, et al. **Med Radiol (Mosk)** 1981 Oct;26(10):79–83 **(Rus)**

[Thermographic evaluation of the effectiveness of therapeutic physical exercise in neurocirculatory dystonia] Giiasov GI, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):73–4 **(Rus)**

[Radioisotope and thermographic studies in tumorous breast diseases] Lenskaia OP. **Med Radiol (Mosk)** 1981 Dec; 26(12):35–8 (Eng. Abstr.) **(Rus)**

[X-ray and thermographic comparisons of unaltered breasts] Shekhter AI, et al. **Med Radiol (Mosk)** 1981 Nov; 26(11):57–60 (Eng. Abstr.) **(Rus)**

[Diagnosis of breast diseases using thermography and hyperbaric oxygenation] Shekhter AI, et al. **Med Radiol (Mosk)** 1982 May;27(5):24–9 (Eng. Abstr.) **(Rus)**

[Thermography and oncological epidemiologic testing in detecting breast diseases with mass screening of women] Svetukhina ES. **Med Radiol (Mosk)** 1981 Nov;26(11):60–3 **(Rus)**

[Potentials of thermography in the diagnosis of venous encephalopathies in pregnant women] Gusev VA, et al. **Sov Med** 1982;(1):52–4 **(Rus)**

[Thermography in the complex diagnosis of skin lesions of the lower extremities in Donbass miners (a preliminary report)] Gorianova LK, et al. **Vestn Dermatol Venerol** 1981 May;(5):51–5 (Eng. Abstr.) **(Rus)**

[Thermography in the diagnosis of thyroid neoplasms] Kuz'michev AS. **Vopr Onkol** 1981;27(11):33–7 (Eng. Abstr.) **(Rus)**

[Thermography in patients with scapulohumeral periarthritis] Talybov FIu, et al. **Vopr Revm** 1981 Jul–Sep;(3):64–6 **(Rus)**

[Importance of thermography in the diagnosis of liver cirrhosis] Valenkevich LN, et al. **Vrach Delo** 1982 Jun; (6):32–4 (Eng. Abstr.) **(Rus)**

[Diagnostic potentials of liquid-crystal thermography in urology] Vozianov AF, et al. **Vrach Delo** 1982 May;(5):20–3 (Eng. Abstr.) **(Rus)**

[Thermographic control of the conservative treatment of peptic ulcer] Zaitseva RI. **Vrach Delo** 1982 Jun;(6):28–32 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Electrical characteristics of waveguide applicators for medical applications. Audet J, et al. **J Microwave Power** 1980 Sep;15(3):177–86

Home device for breast cancer detection? [news] Henahan J. **JAMA** 1982 Jun 11;247(22):3048–9

Millimeter wavelength thermographic scanner. Cacak RK, et al. **Med Phys** 1981 Jul–Aug;8(4):462–5

[Use of infrared thermovision technology in the diagnosis of thyroid cancer in adults] Stavratjev M, et al. **Vnitr Lek** 1982 Feb;28(2):109–15 (Eng. Abstr.) **(Cze)**

[Thermography in osteosyntheses and total endoprostheses of the knee joint with and without infection (author's transl)] Lambiris E, et al. **Z Orthop** 1981 Oct;119(5):521–4 (Eng. Abstr.) **(Ger)**

METHODS

Contact thermography of spinal root compression syndromes. Pochaczevsky R, et al. **AJNR** 1982 May–Jun;3(3):243–50

Liquid crystal contact thermography of deep venous thrombosis. Pochaczevsky R, et al. **AJR** 1982 Apr; 138(4):717–23

Stress thermography in breast cancer. Jurist JM, et al. **Biomed Sci Instrum** 1981;17:7–10

Thermocamera studies of gases and vapours. Carlsson P, et al. **Br J Ind Med** 1982 Aug;39(3):300–5

Thermographic diagnosis of glomus tumour. Corrado EM, et al. **Hand** 1982 Feb;14(1):21–4

Liquid crystal thermography of the spine and extremities. Its value in the diagnosis of spinal root syndromes. Pochaczevsky R, et al. **J Neurosurg** 1982 Mar;56(3):386–95

A technique for evaluation of CSF shunt patency using telethermography. Caldarelli M, et al. **Neuropediatrics** 1981 Nov;12(4):303–7

Thermographic evaluation of the human lacrimal drainage system. Raflo GT, et al. **Ophthalmic Surg** 1982 Feb; 13(2):119–24

Telethermography for screening ambulatory patients with leg vein thrombosis. Partsch H, et al. **Vasa** 1981;10(3):242–5

[Non-contact thermographic method in the diagnosis of diseases of the mammary gland (author's transl)] Gašová Z, et al. **Cesk Radiol** 1982 Jan;36(1):27–31 (Eng. Abstr.) **(Cze)**

[Location and evaluation of irradiating characteristics of adenomas and hyperplasias of parathyroid glands in primary hyperparathyrosis by infrared thermovision technique (author's transl)] Stavratjev M, et al. **Cesk Radiol** 1982 Mar;36(2):76–84 (Eng. Abstr.) **(Cze)**

[Localized hyperthermia. Towards an atraumatic method of heat control based on microwave thermography (author's transl)] Chivé M, et al. **Bull Cancer (Paris)** 1981;68(3):293–4 **(Fre)**

[Assessment of activity in bone tumours by telethermography (author's transl)] Trifaud A, et al. **Rev Chir Orthop** 1981; 67(3):187–92 (Eng. Abstr.) **(Fre)**

[Infrared regulatory thermography] Elsen HG. **ZFA (Stuttgart)** 1982 Jan 10;58(1):26–31 **(Ger)**

[Studies on thermography in ophthalmology (Report III)--thermal recovery test for ophthalmic use(2) (author's transl)] Kabayama T, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):116–26 (Eng. Abstr.) **(Jpn)**

[Clinical approach with cooling thermography to the effect of aging on peripheral circulation function in healthy normal subjects (author's transl)] Sunawachi S, et al. **Rinsho Byori** 1982 Jan;30(1):115–20 **(Jpn)**

[Experience with the use of liquid crystal thermography in the cryogenic treatment of uterine diseases] Zaporozhan VN, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):51–3 **(Rus)**

[Use of a thermographic method in conducting prophylactic examinations of Polar workers] Ivanov AV, et al. **Gig Tr Prof Zabol** 1982 May;(5):56–7 **(Rus)**

[Use of liquid crystal thermography in the diagnosis of acute appendicitis in naval medicine] Lobenko AA, et al. **Klin Khir** 1982 Apr;(4):50–2 **(Rus)**

[Possibilities of infrared thermography in the differential diagnosis of functional and organic stages of microangiopathy in diabetes mellitus] Zykova TA, et al. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):29–31 (Eng. Abstr.) **(Rus)**

[Liquid crystal thermography in the diagnosis of adhesive peritoneal disease] Sakhautdinov VG, et al. **Sov Med** 1981; (4):61–3 (Eng. Abstr.) **(Rus)**

[Thermovision diagnosis of traumatic compression of the brain] Likhterman LB, et al. **Zh Vopr Neirokhir** 1981 Sep–Oct;(5):8–14 (Eng. Abstr.) **(Rus)**

STANDARDS

Normal variations in the thermographic pattern of the orbito-ocular region. Aliò J, et al. **Diagn Imaging** 1982 Mar–Apr;51(2):93–8

THERMOGRAVIMETRY see under **CHEMISTRY, ANALYTICAL**

THERMOLUMINESCENT DOSIMETRY

Rem response of the Idaho National Engineering Laboratory personnel dosimeter to photons. Gupta VP. **Health Phys** 1982 Jun;42(6):833–6

Phototransfer, sensitization and re-estimation of dose in lithium fluoride TLD. Jain VK. **Health Phys** 1981 Aug; 41(2):363–70

Measurement of x-ray exposures using mailed thermoluminescent dosimeters. Aldrich JE, et al. **J Can Assoc Radiol** 1981 Dec;32(4):202–5

The theoretical and microdosimetric basis of thermoluminescence and applications to dosimetry. Horowitz YS. **Phys Med Biol** 1981 Sep;26(5):765–824 (327 ref.)

Supralinearity and LET dependence of thermoluminescence dosemeters. Lakshmanan AR, et al. **Phys Med Biol** 1981 Nov;26(6):1157–63

Dosimetry of auricular keloid irradiation. Fitzgerald RH Jr, et al. **Radiology** 1982 Aug;144(3):651–2

A measurement of doses to the neck for mantle field treatment of lymphomas with cobalt-60, 4-, and 10-MV photon beams. McCullough EC, et al. **Radiology** 1982 Jul; 144(2):432–4

[Systemic dosimetric study of radiological examinations using intra-venous urography] Costa A, et al. **J Radiol** 1981 Nov; 62(11):572 **(Fre)**

[The integral dose in computerized tomography of the skull (author's transl)] Schmidt T, et al. **ROFO** 1982 Feb; 136(2):157–65 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

TLD personal monitoring of external gamma-ray exposure in uranium mines using CaSO4:Dy in Teflon discs. Boas JF, et al. **Health Phys** 1982 Jun;42(6):865–8

An extensive study on the dosimetric properties of CaSO4: Dy ribbon, TLD-900, in low dose region. Furetta C, et al. **Health Phys** 1981 Oct;41(4):674–7

Projected response of Panasonic dosimeters to submersion in and distant exposure by 133Xe. Oatley D, et al. **Health Phys** 1981 Sep;41(3):513–25

New sintered thermoluminescent dosimeters for personnel and environmental dosimetry. Prokic MS. **Health Phys** 1982 Jun;42(6):849–55

Evaluation of the response to xenon-133 radiations by thermoluminescent dosimeters used during the accident at Three Mile Island. Riley RJ, et al. **Health Phys** 1982 Mar; 42(3):329–34

An environmental gamma ray dosimeter using CaSO4: Dy Teflon TLD discs. Vohra KG, et al. **Health Phys** 1982 Feb;42(2):217–23

The low- and high-temperature response of CaSO4:Dy dosimeters to x- and gamma-rays. Lakshmanan AR, et al. **Int J Appl Radiat Isot** 1982 Jun;33(6):464–6

Comparison of ion chamber and TLD dosimetry in mammography. Stanton L, et al. **Med Phys** 1981 Nov–Dec; 8(6):792–8

[A gamma-ray irradiation facility for TLD calibration (author's transl)] Miyano K, et al. **Radioisotopes** 1982 Feb; 31(2):114–8 **(Jpn)**

[Use of thermoluminescent dosimeters in the plan of calibrating medical dosimeters in unites of absorbed dosage] Astakhova IV, et al. **Med Radiol (Mosk)** 1981 Dec; 26(12):55–8 **(Rus)**

METHODS

Estimation of organ dose in the rat exposed to X-rays for radiobiological study by TLD implantation method. Ishigure N, et al. **J Radiat Res (Tokyo)** 1981 Sep; 22(3):303–11

The evaluation of the effectiveness on background reduction by nitrogen gas flow during readout of TLD. Ishigure N, et al. **Radioisotopes** 1982 Feb;31(2):98–100

[Intravital dosimetry in postoperative radiotherapy of patients with oral cancer] Akuamoa-Boateng E, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):48–51 (Eng. Abstr.) **(Ger)**

[Thermoluminescence dosimetry and x-ray diagnosis (author's transl)] Geissler S, et al. **Radiol Diagn (Berl)** 1981; 22(3):398–410 (Eng. Abstr.) **(Ger)**

[Somatic radiation risk in various mammography technics] Ewen K, et al. **Rontgenpraxis** 1981;34(12):488–92 **(Ger)**

[Development of method for measuring dose distributions close to sealed small sources using a thin disk-type TLD and its application (author's transl)] Irifune T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jul 25; 41(7):619–32 (Eng. Abstr.) **(Jpn)**

[A study of intercomparison of diagnostic X-ray exposure by mailing Mg2SiO4 (Tb) thermoluminescent dosimeter (author's transl)] Kato Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(9):857–67 (Eng. Abstr.) **(Jpn)**

[Possibility of thermoluminescence dating of pottery and porcelain (author's transl)] Ato Y, et al. **Radioisotopes** 1981 Feb;30(2):112–4 **(Jpn)**

[Thermoluminescent bone-equivalent mixtures and their use in the dosimetry of compact bone tissue] Kalmykov LZ. **Radiobiologiia** 1981 May–Jun;21(3):463–7 (Eng. Abstr.) **(Rus)**

THERMOLYSIN

ANALYSIS

[Thermal stability of a protein: thermostable proteins from

thermophilic bacteria (author's transl)] Oshima T. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(6):840–9 (51 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibition of thermolysin by N-carboxymethyl dipeptides. Maycock AL, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):963–9

Solution conformation of the thermolysin inhibitors carbobenzoxy-L-phenylalanine and beta-phenylpropionyl-L-phenylalanine and comparison of the solution conformation to the enzyme-bound conformation. Shieh TL, et al. **J Med Chem** 1982 Apr; 25(4):403–8

Photoinactivation of enzymes by linear and angular furocoumarins. Veronese FM, et al. **Photochem Photobiol** 1982 Jul;36(1):25–30

IMMUNOLOGY

Domain characteristics of the carboxyl-terminal fragment 206–316 of thermolysin: immunochemical studies. Vita C, et al. **Biochemistry** 1982 Apr 27;21(9):2016–22

METABOLISM

An accurate, quantitative assay for collagenase activity based on the synergistic hydrolysis of collagen. Van Wart HE, et al. **Anal Biochem** 1982 Feb;120(1):151–8

43Ca and 67Zn NMR study of Ca2+, Zn2+-thermolysin complexes. Shimizu T, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1356–62

Binding of hydroxamic acid inhibitors to crystalline thermolysin suggests a pentacoordinate zinc intermediate in catalysis. Holmes MA, et al. **Biochemistry** 1981 Nov 24; 20(24):6912–20

Comparison of the active center geometries in phospholipase, trypsin and thermolysin. Kamer G, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):93–7

Limited proteolysis of porcine-muscle lactic dehydrogenase by thermolysin during reconstitution yields dimers. Girg R, et al. **Eur J Biochem** 1981 Oct;119(2):301–5

pH and temperature dependences of thermolysin catalysis. Catalytic role of zinc-coordinated water. Kunugi S, et al. **Eur J Biochem** 1982 May;124(1):157–63

Hydrophobic interaction in thermolysin specificity. Pank M, et al. **FEBS Lett** 1982 Jun 7;142(2):297–300

THERMOMETERS

Obstructed thermometer mount [letter] Miller L, et al. **Anaesth Intensive Care** 1982 Feb;10(1):89

Liquid crystal thermometry [letter] Lees DE. **Anesth Analg (Cleve)** 1982 Sep;61(9):803–4

Measurement of temperature. Rosenblatt J. **Aust Fam Physician** 1981 Aug;10(8):611, 613

The hazards (?) of thermometry [editorial] Jones PG. **Aust Paediatr J** 1981 Jun;17(2):77

Broken and retained rectal thermometers in infants and young children. Lau JT, et al. **Aust Paediatr J** 1981 Jun;17(2):93–4

Clinical use of new linear temperature probes in isolated hyperthermic perfusion of the limbs. Roder JD, et al. **Eur Surg Res** 1982;14(1):27–32

Bacteriologic studies on electronic hospital thermometers. Smith L, et al. **Infect Control** 1981 Jul–Aug;2(4):315–6

Salmonella cross-infection associated with contamination of rectal thermometers [letter] French GL. **J Hosp Infect** 1981 Dec;2(4):389–90

Rectal thermometer mediated cross-infection with Salmonella wandsworth in a paediatric ward. Im SW, et al. **J Hosp Infect** 1981 Jun;2(2):171–4

A micropower filter for rejection of monophasic and biphasic artefact and noise. Colson RH. **J Med Eng Technol** 1981 Sep;5(5):248–9

Error sources affecting thermocouple thermometry in RF electromagnetic fields. Chakraborty DP, et al. **J Microwave Power** 1982 Mar;17(1):17–28

Physical basis of RF hyperthermia for cancer therapy (3). A non-perturbed and non-perturbing thermometer at RF heating. Eno K, et al. **J Radiat Res (Tokyo)** 1981 Jun; 22(2):265–73

An evaluation of a plastic strip thermometer. Lewit EM, et al. **JAMA** 1982 Jan 15;247(3):321–5

A sheathed micro thermoprobe for local temperature measurements in tissue. Blendstrup K. **Med Prog Technol** 1981;8(3):149–55

Possible application of non-invasive thermometry for hyperthermia using NMR. Tanaka H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(9):897–9

A study of the bimetal coil thermometer for clinical use. Newell SJ, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):699–701

[Electric heater-temperature stabilizer for Bobrov's apparatus] Enikeev DA, et al. **Anesteziol Reanimatol** 1981 Jul–Aug;(4):67–8 (Eng. Abstr.) **(Rus)**

[Electrothermometry in the diagnosis of destructive forms of acute appendicitis and acute cholecystitis] Zakharov SN, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):37–9 (Eng. Abstr.) **(Rus)**

STANDARDS

Liquid crystal forehead temperature strips. A clinical appraisal. Scholefield JM, et al. **Am J Dis Child** 1982 Mar; 136(3):198–201

Inaccuracy of liquid crystal thermometry to identify core temperature trends in postoperative adults. Vaughan MS, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):284–7

SUPPLY & DISTRIBUTION

Hypothermia detection in emergency departments. How low does your thermometer go? Sherman FT, et al. **NY State J Med** 1982 Mar;82(3):374–6

THERMOPLASMA

ANALYSIS

The nucleotide sequence of the tRNAMMet from the archaebacterium Thermoplasma acidophilum. Kilpatrick MW, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4387–90

ENZYMOLOGY

Superoxide dismutase from the Archaebacterium Thermoplasma acidophilum. Searcy KB, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):39–46

THERMORECEPTORS

DRUG EFFECTS

Effects of thyrotropin releasing hormone on hypothalamic thermosensitive neurons of the rat. Salzman SK, et al. **Brain Res Bull** 1981 Sep;7(3):325–32

PHYSIOLOGY

The encoding of thermal stimuli by diffuse noxious inhibitory controls (DNIC). Le Bars D, et al. **Brain Res** 1981 Dec 28;230(1–2):394–9

Hypoglossal motor nerve activity elicited by taste and thermal stimuli applied to the tongue in rats. Yamamoto T, et al. **Brain Res** 1982 Apr 22;238(1):89–104

Ionic and metabolic bases of neuronal thermosensitivity. Carpenter DO. **Fed Proc** 1981 Dec;40(14):2808–13 (28 ref.)

Primary afferent input from cutaneous thermoreceptors. Pierau FK, et al. **Fed Proc** 1981 Dec;40(14):2819–24

Central processing of cutaneous temperature information. Poulos DA. **Fed Proc** 1981 Dec;40(14):2825–9

Properties of Ruffini afferents revealed by stress analysis of isolated sections of cat knee capsule. Grigg P, et al. **J Neurophysiol** 1982 Jan;47(1):41–54

Static and dynamic activity of cold receptors at various calcium levels. Schäfer K, et al. **J Neurophysiol** 1982 Jun; 47(6):1017–28

An analysis of a thermal afferent pathway in the rat. Hellon RF, et al. **J Physiol (Lond)** 1982 May;326:319–28

The effects of nucleus raphe magnus lesions on an ascending thermal pathway in the rat. Taylor DC. **J Physiol (Lond)** 1982 May;326:309–18

Behavioral self warming and cooling of spinal canal by rats. Dib B, et al. **Physiol Behav** 1982 Mar;28(3):489–95

ULTRASTRUCTURE

Ultrastructural relationships between the receptor nerve fiber and surrounding lamellae in Krause end-bulbs. Spassova I. **Acta Anat (Basel)** 1981;109(4):360–8

Thermosensitivity and its possible fine-structural basis in mechanoreceptors in the beak skin of geese. Gottschaldt KM, et al. **J Comp Neurol** 1982 Mar 1;205(3):219–45

THERMOREGULATION see **BODY TEMPERATURE REGULATION**

THERMUS

ANALYSIS

Occurrence of sym-homospermidine in extremely thermophilic bacteria. Oshima T, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):156–60

Properties of native and nicked elongation factor Tu from Thermus thermophilus HB 8. Gulewicz K, et al. **Eur J Biochem** 1981 Dec;121(1):155–62

Glycolipids from some extreme thermophilic bacteria belonging to the genus Thermus. Pask-Hughes RA, et al. **J Bacteriol** 1982 Jan;149(1):54–8

A pentaamine is present in an extreme thermophile. Oshima T. **J Biol Chem** 1982 Sep 10;257(17):9913–4

ENZYMOLOGY

The purification and some properties of a stereospecific D-asparaginase from an extremely thermophilic bacterium, Thermus aquaticus. Guy GR, et al. **Biochem J** 1982 Jun 1;203(3):787–90

Heat-stable and fructose 1,6-bisphosphate-activated L-lactate dehydrogenase from an extremely thermophilic bacterium. Taguchi H, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1343–8

Molecular multiplicity of nuclease TT1 from Thermus thermophilus HB8. Takahashi M, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1521–7

A thermostable tRNA (guanosine-2')-methyltransferase from Thermus thermophilus HB27 and the effect of ribose methylation on the conformational stability of tRNA. Kumagai I, et al. **J Biol Chem** 1982 Jul 10;257(13):7388–95

Purification and characterization of two new modification methylases: MClaI from Caryophanon latum L and MTaqI from Thermus aquaticus YTI. McClelland M. **Nucleic Acids Res** 1981 Dec 21;9(24):6795–804

[Isolation and properties of DNA-polymerase from the extreme thermophilic bacterium Thermus flavus] Kaledin AS, et al. **Biokhimiia** 1981 Sep;46(9):1576–84 (Eng. Abstr.) **(Rus)**

GENETICS

The nucleotide sequence of 5S rRNA from an extreme thermophile, Thermus thermophilus HB8. Kumagai I, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):5159–62

Physical characterization of a plasmid (pTT1) isolated from Thermus thermophilus. Eberhard MD, et al. **Plasmid** 1981 Jul;6(1):1–6

METABOLISM

On the properties of immobilized elongation factor Tu from Thermus thermophilus HB8. Fischer W, et al. **Eur J Biochem** 1982 Jun 15;125(1):143–9

THEROPITHECUS GELADA see under **CERCOPITHECIDAE**

THESES see **DISSERTATIONS, ACADEMIC**

THETA RHYTHM see under **ELECTROENCEPHALOGRAPHY**

THIABENDAZOLE

ADMINISTRATION & DOSAGE

[The effects of postparturient anthelmintic treatment on ewes and their lambs (author's transl)] Vos GJ, et al. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):403–8 (Eng. Abstr.) **(Dut)**

ANALOGS & DERIVATIVES

Determination of thiabendazole and 5-hydroxythiabendazole in human serum by fluorescence-detected high-performance liquid chromatography. Watts MT, et al. **J Chromatogr** 1982 Jun 11;230(1):79–86

BLOOD

Determination of thiabendazole and 5-hydroxythiabendazole in human serum by fluorescence-detected high-performance liquid chromatography. Watts MT, et al. **J Chromatogr** 1982 Jun 11;230(1):79–86

METABOLISM

The pharmacokinetics of thiabendazole and its metabolites in an anephric patient undergoing hemodialysis and hemoperfusion. Bauer LA, et al. **J Clin Pharmacol** 1982 May–Jun;22(5–6):276–80

PHARMACODYNAMICS

Comparison of changes in resistance of Haemonchus contortus eggs following withdrawal of thiabendazole selection. Le Jambre LF, et al. **Res Vet Sci** 1982 Jan; 32(1):39–43

[Usefulness of the sister chromatid exchange method in the detection of possible mutagenic agents] Mudry de Pargament MD, et al. **Medicina (B Aires)** 1981;41(2):173–6 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Strongyloides ratti and S. stercoralis: the effects of thiabendazole, mebendazole, and cambendazole in infected mice. Grove DI. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):469–76

Strongyloides stercoralis hyperinfection: sequential changes of gastrointestinal radiology after treatment with thiabendazole. Yoshida T, et al. **Gastrointest Radiol** 1981; 6(3):223–5

In vivo suppression of delayed hypersensitivity by thiabendazole and diethylcarbamazine. Hewlett EL, et al. **Immunopharmacology** 1981 Dec;3(4):325–32

Ostertagia ostertagi in calves: a growth nitrogen balance and digestibility study conducted during winter feeding following thiabendazole anthelmintic therapy. Parkins JJ, et al. **J Comp Pathol** 1982 Apr;92(2):219–27

A survey of nematode control measures used by sheep farmers and of anthelmintic resistance on their farms. Part 1. North Island and the Nelson region of South Island. Kettle PR, et al. **NZ Vet J** 1981 May;29(5):81–3

Efficacy of thiabendazole, levamisole hydrochloride and the major natural avermectins against Trichostrongylus colubriformis in the gerbil (Meriones unguiculatus). Ostlind DA, et al. **Res Vet Sci** 1981 Sep;31(2):255–6

Treatment of strongyloidiasis with thiabendazole: an analysis of toxicity and effectiveness. Grove DI. **Trans R Soc Trop Med Hyg** 1982;76(1):114–8

The economic effects of using thiabendazole to deworm a cow-calf herd. Holste JE. **VM SAC** 1981 Dec; 76(12):1787–8

Strongyloidiasis in West Virginia. Walker RB, et al.

W Va Med J 1982 Mar;78(3):57–60

THIACETAZONE

ADVERSE EFFECTS

Severe cutaneous eruptions caused by thiacetazone used to treat tuberculosis in Rio Grande do Sul, Brazil. Public Health Dermatology Team, Tuberculosis Team, and Epidemiologic Control Unit, Rio Grande do Sul State Department of Health. **Bull Pan Am Health Organ** 1981; 15(2):113–20

Fatal aplastic anaemia due to thiacetazone toxicity. Jaliluddin, et al. **J Indian Med Assoc** 1981 Dec 1;77(11):176–7

THIADIAZINES see under **THIAZINES**

THIADIAZOLES

ADMINISTRATION & DOSAGE

Methazolamide in acute mountain sickness [letter] Forster P. **Lancet** 1982 May 29;1(8283):1254

[Comparative evaluation of the effectiveness of radioprotective agents judged from their protection of bone marrow and the gastrointestinal tract] Piatovskaia NN, et al. **Radiobiologila** 1982 Mar–Apr;22(2):183–6 **(Rus)**

ADVERSE EFFECTS

[Severe manifestations of drug allergy in children] Sukovatykh TN, et al. **Pediatriia** 1982 May;(5):76–7 **(Rus)**

BLOOD

Liquid chromatographic separation and quantitation of 2-amino-1,3,4-thiadiazole (NSC-4728) from human and murine serum. Ackerly CC, et al. **J Chromatogr** 1982 Jun 11;230(1):175–80

CHEMICAL SYNTHESIS

Synthesis of some new thiosemicarbazides, thiadiazoles, triazoles and their derivatives as potential antiviral agents. Bahadur S, et al. **Arch Pharm (Weinheim)** 1982 Apr; 315(4):312–7

Acidic epinephrine analogues derived from 1H, 3H-2,1,3-benzothiadiazole 2,2-dioxide and from trifluoromethanesulfonanilide. A new synthesis of 1H,3H-2,1,3-benzothiadiazole 2,2-dioxide. Acheson RM, et al. **J Med Chem** 1981 Nov;24(11):1300–4

1,2,5-thiadiazole 1-oxide and 1,1-dioxide derivatives. A new class of potent histamine H2-receptor antagonists. Algieri AA, et al. **J Med Chem** 1982 Mar;25(3):210–2

Inhibitors of gastric acid secretion: 3,4-diamino-1,2,5-thiadiazole 1-oxides and 1,1-dioxides as urea equivalents in a series of histamine H2-receptor antagonists. Lumma WC Jr, et al. **J Med Chem** 1982 Mar; 25(3):207–10

[Antimycotic effect of diaryl sulfides with open chains and ring systems containing pyridine and thiadiazole units] Bottino F, et al. **Farmaco [Sci]** 1982 May;37(5):298–303 (Eng. Abstr.) **(Ita)**

[Synthesis and antimycotic activity of derivatives of 1, 3, 4-thiadiazole (3,2a) pyrimidone] Russo F, et al. **Farmaco [Sci]** 1981 Dec;36(12):983–93 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

[Antitumor effect of compounds synthesized in the Division of Synthetic Chemistry (V) (author's transl)] Miyahara M, et al. **Eisei Shikenjo Hokoku** 1981;99:111–3 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Preliminary study on the teratogenic effect of thiadiazole compounds] Wang FY, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):654–60 (Eng. Abstr.) **(Chi)**

URINE

High-performance liquid chromatographic separation, isolation and identification of 1,2,3-thiadiazole-5-carboxaldoxime glucuronide in rabbit urine. Verweij A, et al. **J Chromatogr** 1981 Nov 13; 226(1):165–73

THIAMBUTENE see under **THIOPHENES**

THIAMBUTOSINE see under **PHENYLTHIOUREA**

THIAMINE

Stability of thiamine hydrochloride repackaged in disposable syringes. Nolly RJ, et al. **Am J Hosp Pharm** 1982 Mar; 39(3):471–4

Thiamine destruction by sodium bisulfite in infusion solutions. Scheiner JM, et al. **Am J Hosp Pharm** 1981 Dec; 38(12):1911–3

Effects of hypochlorite on thiamine and its derivatives. Jaroensanti J, et al. **Experientia** 1981 Dec 15;37(12):1248–50

Precipitation of thiamine and tannic acid by calcium and magnesium cations. Kajadphai A, et al. **Int J Vitam Nutr Res** 1982;52(1):102–3

[Effect of the position of the container in the retention of nutrients in food models heated by natural convection] Barreiro Méndez JA, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):531–49 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Thiamine intake and monoamine oxidase activity. Connor DJ. **Biol Psychiatry** 1981 Sep;16(9):869–72

[Arthrosis: contribution to its treatment] Nikolov Ts. **Vutr Boles** 1982;21(3):78–83 (Eng. Abstr.) **(Bul)**

ANALOGS & DERIVATIVES

The separation and determination of thiamine and its phosphate esters in brain. Matsuda T, et al. **Anal Biochem** 1981 Oct;117(1):203–7

The enzymatic synthesis of thiamin triphosphate. Cooper JR, et al. **Ann NY Acad Sci** 1982;378:177–76

Thiamin monophosphate in the CSF of patients with amyotrophic lateral sclerosis. Poloni M, et al. **Arch Neurol** 1982 Aug;39(8):507–9

Photoinactivation of the thiamine transport system in Saccharomyces cerevisiae with 4-azido-2-nitrobenzoylthiamine. Sempuku K, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):226–8

Brainstem dysfunction in infants responsive to thiamine disulfide: preliminary studies in four patients. Lonsdale D, et al. **Clin Electroencephalogr** 1982 Apr;13(2):82–8

Monophosphate, the only phosphoric ester of thiamin in the cerebro-spinal fluid. Rindi G, et al. **Experientia** 1981; 37(9):975–6

Separation and determination of Ca folinate, thiamine monophosphate phosphate salt, pyridoxine and cyanocobalamin by column chromatography. Ballerini R, et al. **Farmaco [Prat]** 1982 Jun;37(6):206–11

Reactions between phosphorylated thiamines and tannic acid as followed by difference spectroscopy. Panijpan B, et al. **Int J Vitam Nutr Res** 1981;51(4):380–4

Decreased urinary excretion of thiamine propyl disulfide metabolites in patients with liver disease. Yamano S, et al. **J Pharmacobiodyn** 1982 Feb;5(2):106–11

Determination of urinary metabolites of thiamine propyl disulfide in humans. Yamano S, et al. **J Pharmacobiodyn** 1982 Feb;5(2):97–105

Intestinal thiamin transport in rats. Thiamin and thiamin phosphoester content in the tissue and serosal fluid of everted jejunal sacs. Ferrari G, et al. **Pflugers Arch** 1982 Mar;393(1):37–41

[Effect of allithiamine on sarcoma-180 tumor growth in mice (author's transl)] Cheng HH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):385–93 (Eng. Abstr.) **(Chi)**

[Synthesis of the o-carbamoylphenyl ester of thiamine monophosphate] Lettieri G, et al. **Boll Chim Farm** 1981 May;120(5):303–7 (Eng. Abstr.) **(Ita)**

ANALYSIS

The separation and determination of thiamine and its phosphate esters in brain. Matsuda T, et al. **Anal Biochem** 1981 Oct;117(1):203–7

Spectrophotometric determination of thiamine hydrochloride using orthogonal polynomials. Wahbi AM, et al. **Analyst** 1981 Sep;106(1266):960–7

Cyanogen bromide, a good reagent for assay of thiamine in biological extracts [letter] Ratanaubolchai K, et al. **Clin Chem** 1981 Oct;27(10):1777–8

Evaluation of ion exchange resins and various enzymes in thiamine analysis. Ellefson WC, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1336–8

Annual changes of vitamin B1, biotin and vitamin B12 in water in Lake Biwa. Kurata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):301–9

[Effect of autolytic changes in meat and of variation in technological additives on the free and bound thiamine content of sterilized port meat] Janitz W. **Z Ernahrungswiss** 1982 Mar;21(1):67–76 **(Ger)**

[Determination of vitamin B1, B2 and B6 in blood and urine by high performance liquid chromatography (author's transl)] Yasuda K, et al. **Rinsho Byori** 1981 Jun;29(6):564–8 **(Jpn)**

[An experimental study of pyrithiamine-induced encephalopathy in the rat. I. Clinical observation and the determination of the concentrations of thiamine in the brain and the blood (author's transl)] Aikawa H, et al. **Rinsho Shinkeigaku** 1981 Sep;21(9):790–5 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Antithiamins of plant origin: their chemical nature and mode of action. Hilker DM, et al. **Ann NY Acad Sci** 1982; 378:137–45 (28 ref.)

General discussion of antithiamin compounds and thiamin antagonists. Rogers EF. **Ann NY Acad Sci** 1982;378:157–60

Beriberi caused by antithiamin factors in food and its prevention. Vimokesant S, et al. **Ann NY Acad Sci** 1982; 378:123–36 (20 ref.)

Evidence against the reported antithiamine effect of caffeic and chlorogenic acids. Horman I, et al. **Int J Vitam Nutr Res** 1981;51(4):385–90

Anorexia and antagonism of thiamin utilization in poultry treated with furazolidone. Ali BH, et al. **Q J Exp Physiol** 1982 Jul;67(3):437–48

[New neuro•ropic antagonists of vitamin B1] Ostrovskiĭ IuM, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):28–9 **(Rus)**

BIOSYNTHESIS

Biosynthesis of riboflavin, folic acid, thiamine, and pantothenic acid. Brown GM, et al. **Adv Enzymol** 1982; 53:345–81 (213 ref.)

Plasmid-borne determinants of pigmentation and thiamine prototrophy in Erwinia herbicola. Gantotti BV, et al. **J Bacteriol** 1982 Sep;151(3):1627–9

Isolation of single-site Escherichia coli mutants deficient in thiamine and 4-thiouridine syntheses: identification of a nuvC mutant. Ryals J, et al. **J Bacteriol** 1982 Aug; 151(2):899–904

Incorporation of 4-amino-5-hydroxymethylpyrimidine into thiamine by microorganisms. White RH. **Science** 1981 Nov 13;214(4522):797–8

BLOOD

Plasma concentrations of magnesium and vitamin B-1 in alcoholism and delirium tremens. Pathogenic and prognostic implications. Hoes MJ. **Acta Psychiatr Belg** 1981 Jan-Feb;81(1):72–84

A reliable semiautomated method for the determination of total thiamine in whole blood by the thiochrome method with high-performance liquid chromatography. Schrijver J, et al. **Ann Clin Biochem** 1982 Jan;19(Pt 1):52–6

Liquid-chromatographic determination of the total thiamin content of blood. Kimura M, et al. **Clin Chem** 1982 Jan; 28(1):29–31

Blood thiamine and blood folate levels. A comparative study in control, alcoholic and folate-deficient subjects. Bachevalier J, et al. **Int J Vitam Nutr Res** 1981;51(3):205–10

Relationship between thiamine and glucose levels in diabetes mellitus. Hobara R, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):1098–100

[Studies on the normal ranges and clinical applications of the values of total vitamin B1 in the blood and the activities of transketolase in hemolysate (author's transl)] Hashizume N, et al. **Rinsho Byori** 1981 Jun;29(6):547–53 **(Jpn)**

[Thiamine penetration into erythrocytes of patients with chronic renal failure treated with repeated dialyses] Kopczyński Z, et al. **Pol Tyg Lek** 1982 Mar 15;37(1):13–5 (Eng. Abstr.) **(Pol)**

[Plasma riboflavin and thiamine content and their average consumption in a selected group in the rural population of the Poznań region] Kopczyński Z, et al. **Pol Tyg Lek** 1981 Jan 26;36(4):129–31 (Eng. Abstr.) **(Pol)**

[Blood transketolase activity and the TDP effect as indices of thiamine body allowance] Voskoboev AI, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):690–4 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Thiamin monophosphate in the CSF of patients with amyotrophic lateral sclerosis. Poloni M, et al. **Arch Neurol** 1982 Aug;39(8):507–9

Cerebrospinal fluid and blood thiamine concentrations in phenytoin-treated epileptics. Botez MI, et al. **Can J Neurol Sci** 1982 Feb;9(1):37–9

Monophosphate, the only phosphoric ester of thiamin in the cerebro-spinal fluid. Rindi G, et al. **Experientia** 1981; 37(9):975–6

ISOLATION & PURIFICATION

Nature of the thiamin-binding protein from chicken egg yolk. Muniyappa K, et al. **Biochem J** 1981 Mar 1;193(3):679–85

METABOLISM

Thiamin transport by rat small intestine 'in vitro': influence of endogenous thiamin content of jejunal tissue. Patrini C, et al. **Acta Vitaminol Enzymol** 1981;3(1):17–26

Characterization of normal intestinal thiamin transport in animals and man. Hoyumpa AM Jr. **Ann NY Acad Sci** 1982; 378:337–43 (37 ref.)

Reactive intermediates in thiamin catalysis. Kluger R. **Ann NY Acad Sci** 1982;378:63–77

Actions of two types of thiaminase on thiamin and its analogues. Murata K. **Ann NY Acad Sci** 1982;378:146–56 (29 ref.)

Thiamin homeostasis in the central nervous system. Spector R. **Ann NY Acad Sci** 1982;378:344–54 (20 ref.)

Thiamin pyrophosphokinase: structure, properties, and role in thiamin metabolism. Voskoboyev AI, et al. **Ann NY Acad Sci** 1982;378:161–76 (23 ref.)

Relation between chronic alcoholism, drug addiction and nutrition with special reference to the thiamine status. Somogyi JC, et al. **Bibl Nutr Dieta** 1981;(30):131–8

Thiamin deposition in eggs is not dependent on riboflavin-binding protein. Miller MS, et al. **Biochem J** 1981 Jul 15;198(1):225–6

Counterflow efflux of thiamin in Escherichia coli. Nishimune T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):419–26

Photoinactivation of the thiamine transport system in Saccharomyces cerevisiae with 4-azido-2-nitrobenzoylthiamine. Sempuku K, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):226–8

Effect of 4'-oxythiamine on thiamin transport and phosphorylation by everted jejunal sacs, and on thiamin uptake by rat isolated enterocytes. Gastaldi G, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):756–60

Effect of prolonged hypokinesia on thiamine phosphoric esters content in rat myocardium. Theresharov L, et al. **Experientia** 1982 May 15;38(5):596

Thiamin compartment models in healthy sheep. Breves G, et al. **Int J Vitam Nutr Res** 1982;52(1):3–8

Bioavailability of thiamine, riboflavin and niacin from commonly consumed green leafy vegetables in the rural areas of Andhra Pradesh in India. Girija V, et al. **Int J Vitam Nutr Res** 1982;52(1):9–13

Reactions between phosphorylated thiamines and tannic acid as followed by difference spectroscopy. Panijpan B, et al. **Int J Vitam Nutr Res** 1981;51(4):380–4

Thiamine transport in Saccharomyces cerevisiae protoplasts. Nishimura H, et al. **J Bacteriol** 1982 May;150(2):960–2

Properties of the active thiamine transport system in Ehrlich ascites tumor cells. Yamamoto S, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):809–16

Determination of blood transketolase by high-performance liquid chromatography (a preliminary note). Kimura M, et al. **J Chromatogr** 1982 Apr 30;239:707–10

Dual system of intestinal thiamine transport in humans. Hoyumpa AM Jr, et al. **J Lab Clin Med** 1982 May; 99(5):701–8

Effect of high dietary glutamic acid on the excretion of 35S-thiamin in kittens. Deady JE, et al. **J Nutr** 1981 Sep; 111(9):1580–5

Effects of level of dietary glutamic acid and thiamin on food intake, weight gain, plasma amino acids, and thiamin status of growing kittens. Deady JE, et al. **J Nutr** 1981 Sep; 111(9):1568–79

Effect of ethanol ingestion on thiamine metabolism: clinical and experimental studies. Inokuchi T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):263–81

Thiamine whole blood and urinary pharmacokinetics in rats: urethan-induced dose-dependent pharmacokinetics. Pipkin JD, et al. **J Pharm Sci** 1982 Feb;71(2):169–72

The effect of short-term moderate alcohol consumption on health and thiamin status. Wood B, et al. **J Stud Alcohol** 1982 Jan;43(1):158–63

Intestinal thiamin transport in rats. Thiamin and thiamin phosphoester content in the tissue and serosal fluid of everted jejunal sacs. Ferrari G, et al. **Pflugers Arch** 1982 Mar;393(1):37–41

Thiamine as an integral component of brain synaptosomal membranes. Matsuda T, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5886–9

Ruminant thiamine requirement in perspective. Edwin EE, et al. **Vet Res Commun** 1982 May;5(3):237–50 (66 ref.)

[Relationship between microbial activity in the gastrointestinal tract and vitamin B1 supply in sheep (author's transl)] Höller H, et al. **DTW** 1981 Oct 5; 88(10):397–400 (Eng. Abstr.) **(Ger)**

[Effect of oxythiamine and pyrithiamine on thiamine levels in the blood, liver and urine of rats (author's transl)] Hobara R, et al. **Nippon Yakurigaku Zasshi** 1981 Dec;78(6):529–38 (Eng. Abstr.) **(Jpn)**

[Thiamine transport in microorganisms (author's transl)] Iwashima A. **Seikagaku** 1981;53(6):444–8 (44 ref.) **(Jpn)**

[Effect of potassium orotate on the metabolism of various vitamins in patients with long bone fractures] Kuzdenbaeva RS, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):76–7 **(Rus)**

[Age peculiarities of the intake dynamics of (35S)thiamine and its phosphoric esters administered parenterally into rat organs] Rozanov AIa, et al. **Ukr Biokhim Zh** 1981 Nov-Dec;53(6):58–64 (Eng. Abstr.) **(Rus)**

[Importance of insulin- and thiamine-dependent processes in regulating lipid metabolism in the rat liver] Buko VU, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):795–800 (Eng. Abstr.) **(Rus)**

[Storage of 14C-thiamine in rat liver subcellular fractions] Voskoboev AI, et al. **Vopr Med Khim** 1981 May-Jun; 27(3):366–71 (Eng. Abstr.) **(Rus)**

[Free and bound thiamine pyrophosphate level in rat liver mitochondria in various saturation of the body with thiamine] Voskoboev AI, et al. **Vopr Med Khim** 1981 Mar-Apr;27(2):239–43 (Eng. Abstr.) **(Rus)**

[Effect of chronic infection foci on carbohydrate and vitamin C and B1 metabolism in rheumatism] Pokin'chereda VV, et al. **Vrach Delo** 1981 Jul;(7):57–9 (Eng. Abstr.) **(Rus)**

[Carbohydrate, vitamin C and B1 metabolic indices in rheumatism] Pokin'chereda VV, et al. **Vrach Delo** 1981 Dec;(12):54–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Some neurochemical properties of thiamin. Doerge DR, et al. **Ann NY Acad Sci** 1982;378:422–34

Studies on interactions of vitamin E with thiamine, niacin and vitamin B12. Nadiger HA, et al. **Clin Chim Acta** 1981 Oct 8;116(1):9–16

In vitro and in vivo stimulation of neutrophil migration and lymphocyte transformation by thiamine related to inhibition of the peroxidase/H2O2/halide system. Theron A, et al. **Clin Exp Immunol** 1981 May;44(2):295–303

Mechanism of thiamine-induced respiratory deficiency in Saccharomyces carlsbergensis. Nakamura I, et al. **J Bacteriol** 1981 Sep;147(3):954–61

Thiamine influence on collagen during the granulation of skin wounds. Alvarez OM, et al. **J Surg Res** 1982 Jan; 32(1):24–31

Effect of dietary thiamine on intermolecular collagen cross-linking during wound repair: a mechanical and biochemical assessment. Alvarez OM, et al. **J Trauma** 1982 Jan;22(1):20–4

[Determination of ascorbic acid in the aqueous humor following ingestion of vitamin C and B1] Rougier-Houssin J, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul; 81(6-7):following 733 **(Fre)**

[Effect of more modern drugs on corneal epithelium regeneration (author's transl)] Zygulska-Machowa H, et al. **Klin Oczna** 1981 Oct-Dec;83(10-12):505-7 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Thiamin: twenty years of progress. **Ann NY Acad Sci** 1982; 378:1–470

Thiamin: twenty years ago. Krampitz LO. **Ann NY Acad Sci** 1982;378:1–6 (19 ref.)

THERAPEUTIC USE

The role of thiamin in Maple Syrup Urine Disease. Elsas LJ 2d, et al. **Ann NY Acad Sci** 1982;378:404–21 (27 ref.)

Opsoclonic cerebellopathy: A paraneoplastic syndrome responsive to thiamine. Nausieda PA, et al. **Arch Neurol** 1981 Dec;38(12):780–1

Thiamine responsive anaemia: a study of two further cases. Haworth C, et al. **Br J Haematol** 1982 Apr;50(4):549–61

A patient with pyruvate carboxylase deficiency in the liver: treatment with aspartic acid and thiamine. Baal MG, et al. **Dev Med Child Neurol** 1981 Aug;23(4):521–30

Thiamine before glucose treatment of acute poisoning? [letter] Farley JC. **Postgrad Med** 1982 Aug;72(2):43

[Effect of vitamin B1 and vitamin E on methionine poisoning in broiler chickens] Nikov S, et al. **Vet Med Nauki** 1981; 18(7):83–7 (Eng. Abstr.) **(Bul)**

[A case of Wernicke's syndrome: nutritional considerations and diagnostic use of CAT] Craveri A, et al. **G Clin Med** 1981 Aug;62(8):552–7 **(Ita)**

[Therapeutic experiences in alcoholic cardiopathies] Santilli S, et al. **Minerva Med** 1982 May 19;73(21):1509–10 **(Ita)**

[Potassium orotate and polyvitamins in the treatment of fractures] Kuzdenbaeva RS, et al. **Ortop Travmatol Protez** 1981 Aug;(8):24–8 (Eng. Abstr.) **(Rus)**

[Thiamine prevention of the corticosteroid reaction afer surgery] Vinogradov VV, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):11–6 (Eng. Abstr.) **(Rus)**

URINE

[Characteristics of human urinary excretion of vitamins C, B1 and B6 during 182-day head-down tilt hypokinesia] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Sep-Oct;15(5):46–9 (Eng. Abstr.) **(Rus)**

THIAMINE DEFICIENCY

BLOOD

Erythrocytosis in thiamine deficient rats. Hobara R, et al. **Jpn J Pharmacol** 1981 Dec;31(6):985–93

[Lactate acidosis from vitamin B1 deficiency (author's transl)] Schwartau M, et al. **Klin Wochenschr** 1981 Nov 16; 59(22):1267–70 (Eng. Abstr.) **(Ger)**

[Blood transketolase activity and the TDP effect as indices of thiamine body allowance] Voskoboev AI, et al. **Vopr Med Khim** 1981 Sep-Oct;27(5):690–4 (Eng. Abstr.) **(Rus)**

[Study of the thiamine supply of healthy school-age children and adolescents by examining transketolase activity and the TDP effect in the blood] Kon' IIa, et al. **Vopr Pitan** 1982 May-Jun;(3):29–33 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Effects of level of dietary glutamic acid and thiamin on food intake, weight gain, plasma amino acids, and thiamin status of growing kittens. Deady JE, et al. **J Nutr** 1981 Sep; 111(9):1568–79

COMPLICATIONS

Latent thiamine deficiency as a possible cause of musculo-skeletal symptoms. Demeke T, et al. **Ethiop Med J** 1982 Jan;20(1):21–6

Cardiovascular beriberi [editorial] **Lancet** 1982 Jun 5; 1(8284):1287

[Metabolic acidosis caused by thiamine-deficiency (author's transl)] Schwartau M, et al. **Anaesthesist** 1981 Sep; 30(9):452–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Shoshin or acute pernicious beri beri. Blacket RB. **Aust NZ J Med** 1981 Oct;11(5):566–7

ETIOLOGY

Thiamine and the elderly orthopaedic patient. Older MW, et al. **Age Ageing** 1982 May;11(2):101–7

Acute visual loss after gastroplasty [letter] Gardner TW, et al. **Am J Ophthalmol** 1982 May;93(5):658–60

Thiamin deficiency and alcoholism. Leevy CM. **Ann NY Acad Sci** 1982;378:316–26 (22 ref.)

Acute vitamin B1 deficiency (wernicke's encephalopathy) in connection with radiotherapy for oral cavity cancer. Van Den Bogaert W, et al. **J Belge Radiol** 1981;64(3):281–3

Probable acute thiamine deficiency secondary to gastric partition for morbid obesity. Milius G, et al. **Nebr Med J** 1982 Jun;67(6):147–50

[B vitamin deficiency in alcoholics] Elsborg L. **Ugeskr Laeger** 1982 Feb 22;144(8):566–7 **(Dan)**

METABOLISM

Thiamin transport by rat small intestine 'in vitro': influence of endogenous thiamin content of jejunal tissue. Patrini C, et al. **Acta Vitaminol Enzymol** 1981;3(1):17–26

Uptake and metabolism of serotonin and amino acids in thiamine deficiency. Plaitakis A, et al. **Adv Exp Med Biol** 1981;133:391–416

Effect of thiamin deficiency on pancreatic acinar cell function. Singh M. **Am J Clin Nutr** 1982 Sep;36(3):500–4

Thiamine deficiency and glyoxylic acid. Stewart CB, et al. **Ann Nutr Metab** 1981;25(5):289–98

Energy metabolism in the lateral vestibular nucleus in pyrithiamin-induced thiamin deficiency. McCandless DW. **Ann NY Acad Sci** 1982;378:355–64

Effect of thiamin deficiency on brain neurotransmitter systems. Plaitakis A, et al. **Ann NY Acad Sci** 1982; 378:367–81

Thiamine & metabolism of glycosaminoglycans in rats fed cholesterol-free & cholesterol-containing diet. Vijayammal PL, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):134–8

Thiamine deficiency limits glucose utilization and glial proliferation in brain lesions of symptomatic rats. Sharp FR, et al. **J Cereb Blood Flow Metab** 1982;2(2):203–7

Local cerebral glucose utilization in the symptomatic thiamine-deficient rat: increases in fornix and pyramidal tract. Sharp FR, et al. **Neurology (NY)** 1982 Aug; 32(8):808–14

[The effect of thiamine deficiency on glucose metabolism in rat cerebral cortex (author's transl)] Takahashi H. **Nippon Ika Daigaku Zasshi** 1981 Oct;48(5):643–56 (Eng. Abstr.) **(Jpn)**

[Some features of [1-14C] leucine exchange in rat liver during acute oxythiamine avitaminosis] Naumov AV, et al. **Biokhimiia** 1982 Feb;47(2):233–9 (Eng. Abstr.) **(Rus)**

[Taurine metabolism in rat liver during thiamine deficiency] Nefedov LI, et al. **Vopr Med Khim** 1982 May-Jun; 28(3):124–7 **(Rus)**

[Enzyme activity of thiamine diphosphate biosynthesis and degradation in the mouse liver in the dynamics of B1 avitaminosis development] Tumanov VN, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):785–8 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandin E2 on metabolism of essential fatty acids in liver of rats fed with unbalanced diet] Buko VU, et al. **Vopr Pitan** 1981 Sep-Oct;(5):27–30 (Eng. Abstr.) **(Rus)**

OCCURRENCE

High incidence of subclinical hypovitaminosis of B1 among university students founds by a field study in Ehime, Japan. Hatanaka Y, et al. **Med J Osaka Univ** 1981 Mar; 31(3-4):83–91

PATHOLOGY

[Effect of oxythiamine on rat peripheral nerve. --Morphological changes in sciatic nerve and plantar nerve of thiamine deficiency-- (author's transl)] Kato H. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):293–305 (Eng. Abstr.) **(Jpn)**

[Morphogenesis of thymus involution during oxythiamine B1-hypovitaminosis] Kovalevskii GV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):727–30 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of the cholinergic system in thiamin deficiency. Gibson G, et al. **Ann NY Acad Sci** 1982;378:382–403 (66 ref.)

Sodium deprivation during thiamin deficiency in rats: hormonal, histological, and behavioral responses. Hastings MM, et al. **J Nutr** 1981 Nov;111(11):1955–63

Spillage behavior and thiamin deficiency in the rat. Tagliaferro AR, et al. **Physiol Behav** 1982 May;28(5):933–7

PSYCHOLOGY

Characteristics of muricide induced by thiamine deficiency and its suppression by antidepressants or intraventricular serotonin. Onodera K, et al. **Physiol Behav** 1981 Nov; 27(5):847–53

VETERINARY

Adrenal and hepatic calcium stearate crystal deposits in dogs fed a thiamine-deficient diet. Pritzker KP, et al. **Am J Vet Res** 1982 Aug;43(8):1481–8

Experimentally induced thiamine deficiency in beagle dogs: clinical observations. Read DH, et al. **Am J Vet Res** 1981 Jun;42(6):984–91

Experimentally induced thiamine deficiency in beagle dogs:

clinicopathologic findings. Read DH, et al. **Am J Vet Res** 1982 Jul;43(7):1258–67
Elevation of blood keto acids in cerebrocortical necrosis. Edwin EE, et al. **Vet Rec** 1981 Jul 25;109(4):75–6
Ruminant thiamine requirement in perspective. Edwin EE, et al. **Vet Res Commun** 1982 May;5(3):237–50 (66 ref.)

THIAMINE DIPHOSPHATE see **THIAMINE PYROPHOSPHATE**

THIAMINE MONOPHOSPHATE see under **THIAMINE**

THIAMINE PYROPHOSPHATASE see under **PYROPHOSPHATASES**

THIAMINE PYROPHOSPHATE

Effects of hypochlorite on thiamine and its derivatives. Jaroensanti J, et al. **Experientia** 1981 Dec 15;37(12):1248–50

BIOSYNTHESIS

A mechanism for the thiamin-sparing action of dietary xylitol in the rat. Rofe AM, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):101–11

BLOOD

[Blood transketolase activity and the TDP effect as indices of thiamine body allowance] Voskoboev AI, et al. **Vopr Med Khim** 1981 Sep-Oct;27(5):690–4 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Study of the thiamine supply of healthy school-age children and adolescents by examining transketolase activity and the TDP effect in the blood] Kon' IIa, et al. **Vopr Pitan** 1982 May-Jun;(3):29–33 (Eng. Abstr.) **(Rus)**

METABOLISM

Potential roles of the aminopyrimidine ring in thiamin catalyzed reactions. Jordan F, et al. **Ann NY Acad Sci** 1982; 378:14–31
The amino group and steric factors in thiamin catalysis. Schellenberger A. **Ann NY Acad Sci** 1982;378:51–62
Role of arginine in the binding of thiamin pyrophosphate to Escherichia coli pyruvate oxidase. Koland JG, et al. **Biochemistry** 1982 May 25;21(11):2656–600
Effect of pyruvate and its analogs on the thiamine pyrophosphate binding in the active center of muscle pyruvate dehydrogenase. Khailova LS, et al. **FEBS Lett** 1982 Mar 8;139(1):49–52
Reactions between phosphorylated thiamines and tannic acid as followed by difference spectroscopy. Panijpan B, et al. **Int J Vitam Nutr Res** 1981;51(4):380–4
[Nature of the bond between the coenzyme and protein in pig liver transketolase] Voskoboev AI, et al. **Biokhimiia** 1981 Aug;46(8):1383–8 (Eng. Abstr.) **(Rus)**
[Enzyme activity of thiamine diphosphate biosynthesis and degradation in the mouse liver in the dynamics of B1 avitaminosis development] Tumanov VN, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):785–8 (Eng. Abstr.) **(Rus)**
[Free and bound thiamine pyrophosphate level in rat liver mitochondria in various saturation of the body with thiamine] Voskoboev AI, et al. **Vopr Med Khim** 1981 Mar-Apr;27(2):239–43 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The role of thiamin in Maple Syrup Urine Disease. Elsas LJ 2d, et al. **Ann NY Acad Sci** 1982;378:404–21 (27 ref.)
Production and purification of Penicillium citreoviride toxin and its effect on TPP-dependent liver transketolase. Datta SC, et al. **Folia Microbiol (Praha)** 1981;26(5):408–12
Thiamine pyrophosphate (cocarboxylase) as a growth factor for Haemophilus somnus. Asmussen MD, et al. **J Clin Microbiol** 1981 Aug;14(2):178–83
[Interaction of thiamine pyrophosphate and some of its analogs with the pyruvate dehydrogenase complex from the adrenal cortex] Strumilo SA, et al. **Ukr Biokhim Zh** 1981 Nov-Dec;53(6):65–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Lag period as affected by the adrenal pyruvate dehydrogenase complex containing residual endogenous thiamine pyrophosphate] Strumilo SA, et al. **Biokhimiia** 1981 Nov;46(11):1938–44 (Eng. Abstr.) **(Rus)**

THIAMINE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

THIAMINE TRIPHOSPHATASE see under **PHOSPHATASES**

THIAMINE TRIPHOSPHATE see under **THIAMINE**

THIAMPHENICOL

ADVERSE EFFECTS

[Hematotoxicity of thiamphenicol. Report of two cases of acute erythroblastopenia (author's transl)] Estavoyer JM, et al. **Sem Hop Paris** 1981 Dec 8–15;57(45–46):1970–2 (Eng. Abstr.) **(Fre)**

ANALOGS & DERIVATIVES

[Synthesis and tests of antibacterial activity of new analogs of d(+)-threo-1-(p-methylsulphonylphenyl)-2-dichloroacet (thiamphenicol)] Portelli M, et al. **Farmaco [Sci]** 1982 Apr; 37(4):240–6 (Eng. Abstr.) **(Ita)**

METABOLISM

Chloramphenicol and thiamphenicol. Fuglesang J, et al. **Antibiot Chemother** 1982;31:1–21 (92 ref.)
Placental transfer of thiamphenicol in the rat. Bass R, et al. **Arch Toxicol** 1981 Aug;48(1):1–9
Thiamphenicol during the first trimester of human pregnancy: placental transfer in vivo, placental uptake in vitro, and inhibition of mitochondrial function. Nau H, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):131–41
[Intestinal nonabsorption of thiamphenicol. Unusual cause of failure in the treatment of typhoid fever (letter)] Chardon H, et al. **Nouv Presse Med** 1982 Jan 23;11(3):205 **(Fre)**

PHARMACODYNAMICS

In vivo effect of chloramphenicol and thiamphenicol on some enzymes of normal mouse liver. Akhnoukh S, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):55–7
Comparative in vitro activity of chloramphenicol and thiamphenicol against Haemophilus influenzae, Neisseria gonorrhoeae and the typhoid and paratyphoid bacilli. Ng WS, et al. **Chemotherapy** 1982;28(2):105–9
The regeneration of stem cells after a bone marrow depression induced by thiamphenicol. Nijhof W, et al. **Exp Hematol** 1982 Jan;10(1):36–43
[Antibiotics and chemotherapeutics—from research to practice. I. Remarks addressed to practitioners concerning chloramphenicol and thiamphenicol] Pilloud M. **Schweiz Arch Tierheilkd** 1982 Mar;124(3):121–31 (Eng. Abstr.) **(Fre)**
[Synergistic effect of thiamphenicol and cephalothin on Bacterioides fragilis (author's transl)] Isono M, et al. **Jpn J Antibiot** 1981 May;34(5):647–50 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Thiamphenicol in the treatment of chancroid in men. Latif AS. **Br J Vener Dis** 1982 Feb;58(1):54–5
Effects of chloramphenicol and thiamphenicol on the outcome of Chlamydia psittaci infection in chick embryo. Allegri G, et al. **Chemotherapy** 1982;28(2):119–28

THIAMYLAL

ANALOGS & DERIVATIVES

Synthesis and pharmacological activity of thiohexital enantiomers. Carroll FI, et al. **J Med Chem** 1981 Oct; 24(10):1241–4

PHARMACODYNAMICS

Antianalgesic action of thiamylal sodium in cats. Tomemori N, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):523–5
[Effects of ketamine and thiamylal on isolated spinal cords of new-born rats (author's transl)] Nakano S. **Masui** 1982 Apr;31(4):304–12 (Eng. Abstr.) **(Jpn)**
[Effect of visceral sensation on the dorsal horn unit activity in cat spinal cord. (2) Effects of changes of intravesical pressure of gall bladder on the unit activity and modification of the activity with thiamylal sodium under the influence of intravesical pressure (author's transl)] Sato I, et al. **Masui** 1981 Nov;30(11):1162–7 (Eng. Abstr.) **(Jpn)**
[Effects of diazepam and thiamylal on reticular multi-unit activity, visual evoked responses, EEG and arterial blood pressure in rabbits (author's transl)] Ueda Y. **Nippon Geka Hokan** 1980 Sep 1;49(5):595–607 (Eng. Abstr.) **(Jpn)**

THIAZIDE DIURETICS see **DIURETICS, THIAZIDE**

THIAZINAMIUM see under **PROMETHAZINE**

THIAZINES

Immobilization of polar bears (Ursus maritimus, Phipps) with ketamine hydrochloride and xylazine hydrochloride. Lee J, et al. **J Wildl Dis** 1981 Jul;17(3):331–6
Combination of ketamine and xylazine for effective anaesthesia of juvenile chimpanzees (Pan troglodytes). April M, et al. **Lab Anim** 1982 Apr;16(2):116–8
Ketamine alone and combined with diazepam or xylazine in laboratory animals: a 10 year experience. Green CJ, et al. **Lab Anim** 1981 Apr;15(2):163–70
Clinical trial of xylazine with ketamine in equine anaesthesia. Hall LW, et al. **Vet Rec** 1981 Jun 6;108(23):489–93
Preliminary observations on the use of a combination of xylazine and ketamine hydrochloride in calves. Waterman AE. **Vet Rec** 1981 Nov 21;109(21):464–7
Xylazine analgesia in cattle. Mbiuki SM. **VM SAC** 1981 Oct; 76(10):1463–4

ADMINISTRATION & DOSAGE

[Clinical study of a new non-steroid anti-inflammatory agent for rectal administration] Cervellin GF, et al. **G Clin Med** 1982 Jan;63(1):37–50 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Reversible overt nephropathy with Henoch-Schönlein purpura due to piroxicam. Goebel KM, et al. **Br Med J [Clin Res]** 1982 Jan 30;284(6312):311–2
A comparison between gastrointestinal blood loss caused by tilcotil (Ro 12–0068) and aspirin in normal volunteers. Bird HA, et al. **Curr Med Res Opin** 1982;8(1):9–13
Piroxicam and upper gastrointestinal haemorrhage. Ward K, et al. **Ir Med J** 1982 Jan;75(1):10–1
Gastrointestinal blood loss and piroxicam [letter] Emery P, et al. **Lancet** 1982 Jun 5;1(8284):1302–3
Aplastic anaemia associated with piroxicam [letter] Lee SH, et al. **Lancet** 1982 May 22;1(8282):1186
[Ectodermosis erosiva pluri-orificialis-like reaction to piroxicam (Feldène)] Bertail MA, et al. **Ann Dermatol Venereol** 1982;109(3):261–2 **(Fre)**
[Skin reactions to piroxicam (three cases) (author's transl)] Faure M, et al. **Ann Dermatol Venereol** 1982;109(3):255–8 (Eng. Abstr.) **(Fre)**
[Lyell's syndrome during treatment with a new anti-inflammatory agent (letter)] Roujeau JC, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3407–8 **(Fre)**

ANTAGONISTS & INHIBITORS

Antagonism of xylazine sedation in dogs by 4-aminopyridine and yohimbine. Hatch RC, et al. **Am J Vet Res** 1982 Jun; 43(6):1009–14

BLOOD

Determination of Ro12–0068, a new anti-inflammatory and analgesic compound, in plasma by means of high-performance liquid chromatography. Pickup ME, et al. **J Chromatogr** 1981 Oct 9;225(2):493–7
Analysis of xylazine in biological material by gas chromatography using packed and capillary columns. Rogstad A, et al. **J Chromatogr** 1981 Oct 30;216:350–4

CHEMICAL SYNTHESIS

Syntheses and pharmacological analysis of new derivatives of tetrahydro-[1,3]-thiazine and 2-thiobarbituric acid. Zawisza T, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(2):235–48
Investigations on the synthesis and properties of new derivatives of ethyl 3H-2-imino-7-methyl-4-oxopyrido [3,2-e]-1,3-thiazine-6-carboxylate and isomeric compounds. Sladowska H, et al. **Farmaco [Sci]** 1982 Apr; 37(4):247–58
Investigations on the synthesis and properties of new derivatives of methyl 3H-2-imino-7-methyl-4-oxopyrido [3,2-e]-1,3-thiazine-5-carboxylate. Zawisza T, et al. **Farmaco [Sci]** 1982 Apr;37(4):266–74
Synthesis and in vitro antimicrobial activity of 5-substituted 2H-1,3,5-thiadiazine-2,4(3H)-diones. Coburn RA, et al. **J Med Chem** 1982 Apr;25(4):481–3
[Radioprotective agents derived from 1,3-perhydrothiazine] Fernandez JP, et al. **Farmaco [Sci]** 1981 Aug;36(8):740–8 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Clonidine or xylazine as provocative tests for growth hormone secretion in the dog. Hampshire J, et al. **Am J Vet Res** 1981 Jun;42(6):1073–6

METABOLISM

The characterisation and quantitation by high-performance liquid chromatography of the metabolites of taurolin [letter] Knight BI, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):439–40
Peritoneal absorption of the antibacterial and antiendotoxin taurolin in peritonitis. Knight BI, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):695–9
[Inter- and intra-individual variations on the disposition of piroxicam. Pharmacokinetics in healthy man and the patient with renal insufficiency] Dupont D, et al. **Pharm Acta Helv** 1982;57(1):20–6 **(Fre)**

PHARMACODYNAMICS

Suppression of growth hormone secretion in spontaneous canine hyperadrenocorticism and its reversal after treatment. Peterson ME, et al. **Am J Vet Res** 1981 Nov; 42(11):1881–3
Effects of xylazine and ketamine hydrochloride on the electroencephalogram and the electrocardiogram in the horse. Purohit RC, et al. **Am J Vet Res** 1981 Apr; 42(4):615–9
Antiinflammatory activity and bioavailability of percutaneous piroxicam. Schiantarelli P, et al. **Arzneimittelforsch** 1982; 32(3):230–5
Dissociation by piroxicam of degranulation and superoxide anion generation from decrements in chlortetracycline fluorescence of activated human neutrophils. Edelson HS, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):247–53

Effect of xylazine on the electrocardiogram of the sheep. Freire AC, et al. **Br Vet J** 1981 Nov;137(6):590–5

Effects of chemical immobilization on hematologic and serum chemical values in captive white-tailed deer. Kocan AA, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1153–6

Isoxicam and related
4-hydroxy-N-isoxazolyl-2H-1,2-benzothiazine-3-carboxa 1,1-dioxides. Potent nonsteroidal antiinflammatory agents. Zinnes H, et al. **J Med Chem** 1982 Jan;25(1):12–8

Investigation, with the Salmonella/microsome test, of psychopharmaceuticals used in meat production. Preiss AM, et al. **Mutat Res** 1982 Jul;104(6):333–7

[The effect of xylazine and disopyramide on the toxicity and biotransformation of methyl parathion in rats (author's transl)] Youssef SA, et al. **DTW** 1981 Sep 5;88(9):376–80 (Eng. Abstr.) **(Ger)**

[Pharmacologic studies on Ro 12–0068, a new non-steroidal anti-inflammatory drug (author's transl)] Tanaka Y, et al. **Nippon Yakurigaku Zasshi** 1981 May;77(5):531–52 (Eng. Abstr.) **(Jpn)**

[Changes in blood sugar after administration of xylazine and adrenergic blockers in the rat] Koppel J, et al. **Vet Med (Praha)** 1982 Feb;27(2):113–8 (Eng. Abstr.) **(Slo)**

POISONING

Human xylazine overdose: a comparative review with clonidine, phenothiazines, and tricyclic antidepressants. Gallanosa AG, et al. **Clin Toxicol** 1981 Jun;18(6):663–78 (38 ref.)

THERAPEUTIC USE

Genetic predictors of patient response and side effects in the treatment of rheumatoid arthritis with a high dose nonsteroidal antiinflammatory drug regimen. Semble E, et al. **Arthritis Rheum** 1982 Apr;25(4):370–4

A comparative study of efficacy and tolerability of ketoprofen and piroxicam. Lang E, et al. **Br J Clin Pract** 1981 Jul–Aug;35(7–8):267

Sulthiame in previously untreated epilepsy. Feely MP, et al. **Ir J Med Sci** 1982 Jun;151(6):175–9

Benoxaprofen (Oraflex) and piroxicam (Feldene): two new drugs for arthritis. **Med Lett Drugs Ther** 1982 Jul 9; 24(613):63–6

Piroxicam in the management of rheumatoid arthritis: a comparison with naproxen. Burry HC, et al. **NZ Med J** 1982 May 26;95(708):352–4

Feldene in the symptomatic treatment of primary dysmenorrhoea. Cash HC, et al. **Practitioner** 1982 Jul; 226(1369):1338–41

[Taurolin gel in treatment of osteitis (author's transl)] Burri C, et al. **Aktuel Traumatol** 1982 Jun;12(3):159–65 (Eng. Abstr.) **(Ger)**

[Antirheumatic treatment in old age and its effect on kidney function] Jansen W. **Med Klin** 1981 Aug 14;76(17):476–8 (Eng. Abstr.) **(Ger)**

[Piroxicam for the therapy of arthritis and rheumatism of the soft tissues (author's transl)] Knüsel O. **Praxis** 1981 Dec 15;70(51):2316–21 (Eng. Abstr.) **(Ger)**

[Treatment of chronic osteomyelitis with Taurolin-Gel (author's transl)] Götz J, et al. **Z Orthop** 1981 Oct; 119(5):540–3 (Eng. Abstr.) **(Ger)**

TOXICITY

Piroxicam, aspirin, and gastrointestinal blood loss. Bianchine JR, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):247–52

THIAZOLES

Effect of phospholipids, triton X-100 and biological membranes on redox systems involving tetrazolium salt reduction. its implications for the assay of enzymatic activities. Massa EM, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1623–9

Time- and concentration-dependent inhibition of the clonogenic growth of N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide-induced murine bladder tumor cell lines by cis-diamminedichloroplatinum(II). Niell HB, et al. **Cancer Res** 1982 Mar;42(3):807–11

A new method which investigates lysosomal sensitivity to superoxide with endocytotic, site-specific, chemiluminescent probes. Lippman RD, et al. **Mech Ageing Dev** 1981 Nov;17(3):275–81

Comparison between a purified and standard diet on FANFT-induced murine bladder cancer. Soloway MS, et al. **Urology** 1981 Nov;18(5):482–4

[New neurotropic antagonists of vitamin B1] Ostrovskiĭ IuM, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):28–9 **(Rus)**

ADMINISTRATION & DOSAGE

Tioxidazole: evaluation of antiparasitic activity of a micronized formulation in horses by the critical test method. Lyons ET, et al. **Am J Vet Res** 1981 Jun; 42(6):1048–9

[Effects of repeated administration of pyrithiamine and oxythiamine on timing behavior in rats (author's transl)] Hashimoto K. **Nippon Yakurigaku Zasshi** 1981 Dec; 78(6):521–8 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Contact dermatitis from benzisothiazolone in cutting oils. Alomar A. **Contact Dermatitis** 1981 May;7(3):155–6

False positive reaction to mercaptobenzthiazole from rubber in eyedrop bottle. Calnan CD, et al. **Contact Dermatitis** 1981 Sep;7(5):283–4

Patch testing with mercaptobenzothiazole and mercapto-mixes. Lynde CW, et al. **Contact Dermatitis** 1982 Jul;8(4):273–4

Occupational dermatitis due to 1,2-benzisothiazolin-3-one in the pottery industry. Roberts DL, et al. **Contact Dermatitis** 1981 May;7(3):145–7

Contact dermatitis to a new fungicide, 2-n-octyl-4-isothiazolin-3-one. Thormann J. **Contact Dermatitis** 1982 May;8(3):204

Inner ear effects of a new loop diuretic (ozolinon). Morgenstern C, et al. **Scand Audiol [Suppl]** 1981;14 Suppl:111–8

ANALYSIS

Leaching of 2-(2-hydroxyethylmercapto) benzothiazole into contents of disposable syringes. Petersen MC, et al. **J Pharm Sci** 1981 Oct;70(10):1139–43

[Quantitative determination of the ratio of 2-aminothiazoline contamination in IXECUR enteric-coated dragees] Rónai E, et al. **Acta Pharm Hung** 1981 Jul;51(4):173–6 (Eng. Abstr.) **(Hun)**

[Chromatographic determination of butylcaptax in air] Malinovskaia TA, et al. **Gig Sanit** 1982 Feb;(2):63–4 **(Rus)**

ANTAGONISTS & INHIBITORS

Synthetic retinamides: effect on urinary bladder carcinogenesis by FANFT in Fischer rats. Croft WA, et al. **Carcinogenesis** 1981;2(6):515–7

BLOOD

Determination of thioproline in plasma using high performance liquid chromatography. Lankelma J, et al. **Cancer Lett** 1981 Mar;12(1–2):131–7

Determination of etozolin and ozolinone in human plasma and tissues by reversed-phase high-performance liquid chromatography. Liddiard C, et al. **J Chromatogr** 1981 Oct 9;225(2):504–8

CHEMICAL SYNTHESIS

Potential antitumor agents, VII. 5-Substituted 6-phenylimidazo[2,1-b]thiazoles. Andreani A, et al. **Arch Pharm (Weinheim)** 1982 May;315(5):451–6

Synthesis and antihypertensive activity of N-(mercaptoacyl)-thiazolidinecarboxylic acids. Oya M, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):440–61

Studies on heterocyclic compounds: Part I--Thiazole esters as anticholinergics. Behera RK, et al. **Indian J Biochem Biophys** 1981 Jun;18(3):229–32

Synthesis and structure-activity relationships of 7 beta-[2-(2-aminothiazol-4-yl)acetamido]cephalosporin derivatives. IV. Synthesis of 2-(2-aminothiazol-4-yl)-2-methoxyiminoacetic acid derivatives and related compounds. Ochiai M, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):160–70

Synthesis and platelet aggregation inhibitory activity of 4,5-bis(aryl)-2-substituted-thiazoles. Rynbrandt RH, et al. **J Med Chem** 1981 Dec;24(12):1507–10

Potential antitrypanosomal agents. 1,N2-Disubstituted 2-amino-5-hydroxy-4-methylnaphtho[1,2-d]thiazolium salts and related compounds. Ulrich P, et al. **J Med Chem** 1982 Jun;25(6):654–7

Antiallergics: 3-(1H-tetrazol-5-yl)-4H-pyrimido[2,1-b]benzothiazol-4-Yevich JP, et al. **J Med Chem** 1982 Jul;25(7):864–8

Antituberculous activity of new 2- and 5-substituted delta2-thiazolin-4-ones. Pečiura R, et al. **Pharmazie** 1981 Dec;36(12):862–3

[Heterocycles, LIII: Syntheses and antibacterial activity of 2-aryl-4-R-5-glyoxyloylthiazoles (author's transl)] Simiti I, et al. **Arch Pharm (Weinheim)** 1981 Sep;314(9):744–50 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Staining of collagen and elastin in tissue slices with the methyl-benzothiazol-2-on-hydrazone reagent. Horvath A, et al. **Acta Anat (Basel)** 1981;111(4):314–9

Optical recording of conducted action potential in heart muscle using a voltage-sensitive dye. Sawanobori T, et al. **Jpn J Physiol** 1981;31(3):369–80

ISOLATION & PURIFICATION

Marine animal biosynthetic constituents for cancer chemotherapy. Pettit GR, et al. **J Nat Prod** 1981 Jul–Aug; 44(4):482–5

METABOLISM

Prostaglandin hydroperoxidase-mediated 2-amino-4-(5-nitro-2-furyl) [14C]thiazole metabolism and nucleic acid binding. Mattammal MB, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4961–6

Reverse transformation agent and their ability to complex metal ions. Huang ZX, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1151–2

Soft drugs V: Thiazolidine-type derivatives of progesterone and testosterone. Bodor N, et al. **J Pharm Sci** 1982 May; 71(5):514–20

The enhanced biliary secretion of a taurine conjugate in the rat after intraduodenal administration of high doses of fenclozic acid. Bradbury A, et al. **Xenobiotica** 1981 Oct; 11(10):665–74

[Tissue distribution of carbon-14 following oral administration of 14C-arginine thiazolidinecarboxylate in rats] Nebuloni R, et al. **Farmaco [Prat]** 1981 Jul;36(7):333–5 (Eng. Abstr.) **(Ita)**

[New neurotropic antagonists of vitamin B1] Ostrovskiĭ IuM, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):28–9 **(Rus)**

PHARMACODYNAMICS

Histamine H1- and muscarinic receptor antagonist activity of cimetidine and tiotidine in the guinea pig isolated ileum. Barker LA. **Agents Actions** 1981 Dec;11(6–7):699–705

Mode of action of the biotin antimetabolites actithiazic acid and alpha-methyldethiobiotin. Eisenberg MA, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):5–10

Effect of a new potent H2-blocker, 3-[][2-[(diaminomethylene)amino]-4-thiazolyl]methyl]-thi (YM-11170) on gastric secretion induced by histamine and food in conscious dogs. Takagi T, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):49–58

Effect of arginine thiazolidinecarboxylate on allyl alcohol hepatotoxicity in the rat. Pagella PG, et al. **Arzneimittelforsch** 1981;31(9):1448–9

Specific requirement for inorganic phosphate for induction of bilayer membrane conductance by the cationic uncoupler carbocyanine dye. Terada H, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):488–90

Effect of 4'-oxythiamine on thiamin transport and phosphorylation by everted jejunal sacs, and on thiamin uptake by rat isolated enterocytes. Gastaldi G, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):756–60

Effects of chloroform and dimethylnitrosamine on renal carcinogenesis in unilaterally nephrectomized rats fed formic acid 2-[4-(5-nitro-2-furyl)-2-thiazolyl]hydrazide. Hirose M, et al. **Carcinogenesis** 1981;2(8):703–8

Accelerated aging of fasted Drosophila. Preservation of physiological function and cellular fine structure by thiazolidine carboxylic acid (TCA). Economos AC, et al. **Exp Gerontol** 1982;17(2):105–14

Selective inhibition of human leukocyte elastase and bovine alpha-chymotrypsin by novel heterocycles. Ashe BM, et al. **J Biol Chem** 1981 Nov 25;256(22):11603–6

An analogue of ubiquinone which inhibits respiration by binding to the iron-sulfur protein of the cytochrome b-c1 segment of the mitochondrial respiratory chain. Bowyer JR, et al. **J Biol Chem** 1982 Jul 25;257(14):8321–30

Comparative effects of azathioprine, cyclophosphamide and frentizole on cellular immunity in mice. Smith SR, et al. **J Immunopharmacol** 1981;3(2):133–70

Prodrugs of L-cysteine as liver-protective agents. 2(RS)-Methylthiazolidine-4(R)-carboxylic acid, a latent cysteine. Nagasawa HT, et al. **J Med Chem** 1982 May; 25(5):489–91

An orally active prostaglandin analog with renal vasodilatory activity in the dog. Blaine EH, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):152–8

In vitro characterization of four N-[4-(5-nitro-2-furyl)-2-thiazolyl] formamide (FANFT) induced mouse bladder tumors. Mickey DD, et al. **J Urol** 1982 Jun;127(6):1233–7

Effects of YS-980, an orally active converting enzyme inhibitor, on blood pressure in normotensive and hypertensive rats. Komori T, et al. **Jpn J Pharmacol** 1981 Jun;31(3):401–7

Stereospecific inhibition by ozolinone of stimulated chloride secretion in rabbit colon descendens. Heintze K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):363–7

Biologically active 1,2-benzisothiazole derivatives. De A. **Prog Med Chem** 1981;18:117–33 (86 ref.)

A thiazole compound with potential antithrombotic activity. Nishizawa EE, et al. **Thromb Haemost** 1982 Apr 30; 47(2):173–6

[Radioprotection of 2, 2-dimethylthiazolidine hydrochloride (author's transl)] Song XY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec 1;1(2):147–53 (Eng. Abstr.) **(Chi)**

[Effects of 2, 2-dimethylthiazolidine hydrochloride on the radiosensitivity of transplantable mouse tumors (author's transl)] Li SZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar;3(1):45–8 (Eng. Abstr.) **(Chi)**

[Influence of 2, 2-dimethylthiazolidine upon plasma adrenocortical hormone level in irradiated mice (author's transl)] Xue PG, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):189–91 (Eng. Abstr.) **(Chi)**

[Effect of oxythiamine and pyrithiamine on thiamine levels in the blood, liver and urine of rats (author's transl)] Hobara R, et al. **Nippon Yakurigaku Zasshi** 1981 Dec;78(6):529–38 (Eng. Abstr.) **(Jpn)**

[Effect of oxythiamine on rat peripheral nerve. --Morphological changes in sciatic nerve and plantar nerve of thiamine deficiency-- (author's transl)] Kato H. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):293–305 (Eng. Abstr.) **(Jpn)**

[Polythiazole-containing peptide antibiotics] Sokolov LB, et

al. **Antibiotiki** 1982 Apr;27(4):299–316 (75 ref.) **(Rus)**
[Some features of [1–14C] leucine exchange in rat liver during acute oxythiamine avitaminosis] Naumov AV, et al. **Biokhimiia** 1982 Feb;47(2):233–9 (Eng. Abstr.) **(Rus)**
[Mechanisms of the radioprotective effect of 2-amino–2-thiazoline in experiments on yeasts] Zolotareva LT. **Radiobiologiia** 1982 Mar–Apr;22(2):257–8 (Eng. Abstr.) **(Rus)**
[Specific and metabolic effect of oxythiamine] Gorbach ZV, et al. **Ukr Biokhim Zh** 1981 Nov–Dec;53(6):69–73 (Eng. Abstr.) **(Rus)**

POISONING

Acute poisoning with thiazolidine carboxylic acid. Kahn RS, et al. **Clin Toxicol** 1981 May;18(5):527–30
[Thiazolidine carboxylic acid toxicity. A review of 78 cases (author's transl)] Efthymiou ML, et al. **Nouv Presse Med** 1982 Feb 13;11(7):509–12 (Eng. Abstr.) **(Fre)**
[Morphogenesis of thymus involution during oxythiamine B1-hypovitaminosis] Kovalevskii GV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):727–30 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Paracetamol, tiaramide and placebo for pain relief after orthopedic surgery. Winnem B, et al. **Acta Anaesthesiol Scand** 1981 Jun;25(3):209–14
Phase II trial of thioproline in advanced epidermoid head and neck tumors. Boccardo F, et al. **Cancer Treat Rep** 1982 Mar;66(3):585–6
Analgesic effect of fentiazac after tooth extraction or minor oral surgery. Shimura K, et al. **Clin Ther** 1981;4(1):12–7
Thioproline (Norgamem): a useless drug in the treatment of squamous cell carcinoma. Alberto P. **Eur J Cancer Clin Oncol** 1981 Sep;17(9):1061–2
Evaluation of 2-amino–5-nitrothiazole as a hypoxic cell radiosensitizer. Rockwell S, et al. **Radiat Res** 1982 Jun; 90(3):575–85
Preliminary clinical results with norgamem (thioproline) and revercan (2-amino–2-thiazoline): the first inducers of reverse transformation. Brugarolas A, et al. **Recent Results Cancer Res** 1982;80:346–50
Bronchodilator effect of tiaramide hydrochloride. Del Bono N, et al. **Respiration** 1981;42(4):273–7
[Effect of thiobiline in the treatment of functional digestive disorders] Chevrel B. **Med Chir Dig** 1981;10(7):637–40 **(Fre)**
[Antitumor effect of compounds synthesized in the Division of Synthetic Chemistry (V) (author's transl)] Miyahara M, et al. **Eisei Shikenjo Hokoku** 1981;99:111–3 (Eng. Abstr.) **(Jpn)**
[Lactate level in the tissues of animals with a tumor administered oxythiamine and the properties of lactate dehydrogenase] Velichko MG, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):594–600 (Eng. Abstr.) **(Rus)**
[Comparative treatment effectiveness with chlotazol and unithiol preparations in rheumatoid arthritis] Shtel'makh NI, et al. **Vrach Delo** 1982 Jan;(1):49–52 **(Rus)**

TOXICITY

13-cis-retinoic acid: effect on urinary bladder carcinogenesis by N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide in Fischer rats. Croft WA, et al. **Cancer Lett** 1981 May; 12(4):355–60
Effect of regenerative hyperplasia on the urinary bladder: carcinogenicity of sodium saccharin and N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide. Cohen SM, et al. **Cancer Res** 1982 Jan;42(1):65–71
Carcinogenicity of 2-amino-4-(5-nitro-2-furyl) thiazole in rats by oral and subcutaneous administration. Wang CY, et al. **Carcinogenesis** 1982;3(3):275–7
[Assessment of the potential risk for progeny in work with endodan (experimental studies)] Ivanova-Chemishanska L, et al. **Probl Khig** 1981;6:44–53 (Eng. Abstr.) **(Bul)**
[Effect of vulcanizing accelerants on embryolethality in rats] Aleksandrov SE. **Biull Eksp Biol Med** 1982 Jan;93(1):87–8 (Eng. Abstr.) **(Rus)**

URINE

Identification and determination of 2-thiothiazolidine-4-carboxylic acid in urine of workers exposed to carbon disulfide. van Doorn R, et al. **Arch Toxicol** 1981 Mar;47(1):51–8
Excretion of TTCA in human urine after administration of disulfiram. van Doorn R, et al. **Toxicol Lett** 1982 Jun; 12(1):59–64

2-THIENYLALANINE see under **ALANINE**

THIETHYLPERAZINE

ADVERSE EFFECTS

[Tardive dyskinesia – metoclopramide and thiethylperazine] **Lakartidningen** 1981 Aug 5;78(32–33):2751–2 **(Swe)**

ANALOGS & DERIVATIVES

[Extrapyramidal syndrome caused by Torecan in childhood] Kaszás T. **Orv Hetil** 1981 Sep 13;122(37):2283–5 **(Hun)**

THIGH

The atopic thigh: a 'starting-school' symptom? Fredriksson T, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):452–3
Tight hamstrings syndrome. Martens G, et al. **Acta Orthop Belg** 1981 Jul–Oct;47(4–5):560–9
Recurrent compartment syndrome in the posterior thigh. Report of a case. Raether PM, et al. **Am J Sports Med** 1982 Jan–Feb;10(1):40–3
Asymmetric hamstring reflexes indicative of L5 radicular lesions. Felsenthal G, et al. **Arch Phys Med Rehabil** 1982 Aug;63(8):377–8
Ruptured aortic aneurysm seen initially as acute femoral neuropathy. Merchant RF Jr, et al. **Arch Surg** 1982 Jun; 117(6):811–3
A maneuver for improved positioning of a tourniquet in the obese patient. Krackow KA. **Clin Orthop** 1982 Aug; (168):80–2
Insulin absorption from the abdomen and the thigh in healthy subjects during rest and exercise: blood glucose, plasma insulin, growth hormone, adrenaline and noradrenaline levels. Süsstrunk H, et al. **Diabetologia** 1982 Mar; 22(3):171–4
Thigh adductor contraction during transurethral resection of bladder tumours: evaluation of inactive electrode placement and obturator nerve topography. Kihl B, et al. **Scand J Urol Nephrol** 1981;15(2):121–5
Colonic perforation with thigh abscess: an unusual presentation of tuberculous spondylitis. Peacock JE Jr. **South Med J** 1982 May;75(5):623–5
Adductor muscle group excision. Mentzer SJ, et al. **Surgery** 1982 Jun;91(6):662–8
[Considerations on hemangiopericytoma] Bretto PA, et al. **Arch Sci Med (Torino)** 1982 Jan–Mar;139(1):129–32 **(Ita)**
[Solitary osseous 'non-secreting' plasmacytoma associated with diffuse polyradiculoneuritis. Description of a case] Calderoni P, et al. **Chir Organi Mov** 1981;66(5):441–5 **(Ita)**
[Unusual case of parosteal sarcoma] Formica C, et al. **Chir Organi Mov** 1979 Nov–Dec;65(6):763–6 **(Ita)**

ANATOMY & HISTOLOGY

Cinematographic analysis of the passive straight-leg-raising test for hamstring muscle length. Bohannon RW. **Phys Ther** 1982 Sep;62(9):1269–74

BLOOD SUPPLY

Influence of thigh blood flow upon the arterial pressure gradient over the collateral arteries in patients with occlusion of the superficial femoral artery. Agerskov K. **Cardiovasc Res** 1982 Jun;16(6):304–7
Changes in intravascular pressure in the thigh and foot under the influence of posture. Katkov VE, et al. **Hum Physiol** 1981 Mar–Apr;7(2):110–4
[Air-travel thrombosis] Marshall M. **MMW** 1982 Apr 30; 124(17):83 **(Ger)**

INJURIES

Early local and systemic fibrinolytic response to high energy missile trauma. Almskog B, et al. **Acta Chir Scand [Suppl]** 1982;508:327–36
LOcal effects of antibacterial therapy (benzyl-penicillin) on missile wound infection rate and tissue devitalization when debridement is delayed for twelve hours. Dahlgren B, et al. **Acta Chir Scand [Suppl]** 1982;508:271–9
Microcirculatory and biochemical studies of skeletal muscle tissue after high energy missile trauma. Holmström A, et al. **Acta Chir Scand [Suppl]** 1982;508:257–9
Estimation of the extent of high velocity missile wounds in soft tissue with ultrasonography – an experimental study with special reference to the detection of x-ray negative foreign bodies. Kuusela T, et al. **Acta Chir Scand [Suppl]** 1982;508:251–5
Wounding effects of two types of bullets on soft tissue of dogs. Liu YQ, et al. **Acta Chir Scand [Suppl]** 1982; 508:211–21
Remote effects of pressure waves in missile trauma. The intra-abdominal pressure changes in anesthetized pigs wounded in one thigh. Tikka S, et al. **Acta Chir Scand [Suppl]** 1982;508:167–73
The contamination of missile wounds with special reference to early antimicrobial therapy. Tikka S. **Acta Chir Scand [Suppl]** 1982;508:281–7
Pathological changes of gunshot wounds at various intervals after wounding. Wang ZG, et al. **Acta Chir Scand [Suppl]** 1982;508:197–210
Limb salvage using temporary arterial shunt following traumatic near-amputation of the thigh. Bach A, et al. **J Pediatr Orthop** 1982 Jun;2(2):187–90
Traumatic lipomas/pseudolipomas. Penoff JH. **J Trauma** 1982 Jan;22(1):63–5
[Post-traumatic myositis ossificans] Altieri E, et al. **Chir Organi Mov** 1981 May–Jun;66(3):415–20 (Eng. Abstr.) **(Ita)**
[A case of post-traumatic cyst of the semitendinous muscle] Campi A. **Chir Organi Mov** 1979 Sep–Oct;65(5):593–6 **(Ita)**

PATHOLOGY

An unusual fibrous band in the thigh of an adolescent. Buxton RA. **J Pediatr Orthop** 1981;1(3):313–5

PHYSIOLOGY

Use and misuse of the tape-measure as a means of assessing muscle strength and power. Cooper H, et al. **Rheumatol Rehabil** 1981 Nov;20(4):211–8

RADIONUCLIDE IMAGING

Soft tissue extremity abscess: an atypical appearance on Ga-67 scan. Novetsky GJ, et al. **Clin Nucl Med** 1982 Jul; 7(7):325–6
Accumulation of 99mTc-pyrophosphate in a muscle hernia of the thigh. Shigeno C, et al. **Eur J Nucl Med** 1981; 6(9):425–8

SURGERY

Function after removal of various hip and thigh muscles for extirpation of tumors. Markhede G, et al. **Acta Orthop Scand** 1981 Aug;52(4):373–95
Suicidal insulin overdose managed by excision of insulin injection site. Campbell IW, et al. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):408–9

THIMAZOL see **METHIMAZOLE**

THIMEROSAL see under **ETHYLMERCURY COMPOUNDS**

THIMETHAPHAN see **TRIMETHAPHAN**

THINKING

The acquisition of creative thought processes via the study of creative people. Shaw CC. **Am Ann Deaf** 1981 Sep; 126(6):675–80
Thought pathology in manic and schizophrenic patients. Its occurrence at hospital admission and seven weeks later. Harrow M, et al. **Arch Gen Psychiatry** 1982 Jun; 39(6):665–71
How do psychiatrists think? Clinical reasoning in the psychiatric interview: a research and education project. Nurcombe B, et al. **Aust NZ J Psychiatry** 1982 Mar; 16(1):13–24
Visual scanning behavior and mental workload in aircraft pilots. Tole JR, et al. **Aviat Space Environ Med** 1982 Jan; 53(1):54–61
Changes in frequency and distress during prolonged repetition of obsessional thoughts. Gurnani PD, et al. **Br J Clin Psychol** 1981 Jun;20(Pt 2):79–81
Some cognitive components of the diagnostic thinking process. Gale J. **Br J Educ Psychol** 1982 Feb;52(Pt 1):64–76
Experimental investigations of the relations between mood and intrusive unwanted cognitions. Sutherland G, et al. **Br J Med Psychol** 1982 Jun;55(Pt 2):127–38
Thought disorder in hospitalized alcoholics. Albott WL, et al. **Int J Addict** 1982 Jan;17(1):181–6
Cultural relativety of first rank symptoms in schizophrenia. Pela OA. **Int J Soc Psychiatry** 1982 Summer;28(2):91–5
Exploring schizophrenic thinking in older adolescents with the WAIS, Rorschach and WIST. Bilett JL, et al. **J Clin Psychol** 1982 Apr;38(2):232–43
The contaminated Rorschach response: formal features. Lazar ZL, et al. **J Clin Psychol** 1982 Apr;38(2):415–9
The minimax problem of Personal Construct organization and schizophrenic thought disorder. Phillips WM. **J Clin Psychol** 1981 Oct;37(4):692–8
Application of the Whitaker Index of Schizophrenic Thinking to a non-english-speaking population. Yaroush RA. **J Clin Psychol** 1982 Apr;38(2):244–52
Management and modes of thought. Nugent PS. **J Nurs Adm** 1982 Feb;12(2):19–25
Differentiating affective from thought disorders by semantic analysis of Rorschach responses. MacHovec FJ. **J Pers Assess** 1982 Feb;46(1):12–7
Does the fetus think? [letter] Lauersen NH, et al. **JAMA** 1982 Jun 18;247(23):3184–5
Speaking, thinking, and blinking. Karson CN, et al. **Psychiatry Res** 1981 Dec;5(3):243–6
Picture perception and abstract thought in schizophrenia. Reich SS, et al. **Psychol Med** 1982 Feb;12(1):91–6
Alternative thinking and classroom behavior of learning impaired children. Helper MM, et al. **Psychol Rep** 1982 Apr;50(2):415–20
Inconsistent interpersonal judgment in thought-disordered schizophrenia. Livesay JR. **Psychol Rep** 1981 Aug; 49(1):179–82
Inter-relationships among three measures of disordered thinking in continuous word association. Silverstein ML, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):803–9
[Overinclusive thinking in schizophrenia (author's transl)] Fan ZS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):65–7 **(Chi)**
[Effects of chronic exposure to railway noises on thinking process of school children (author's transl)] Yokoo Y, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):841–50 (Eng. Abstr.) **(Jpn)**
[Formation of the mode of thinking of the health officer] Batalov AA. **Gig Sanit** 1981 Sep;(9):30–2 **(Rus)**
[Basic traits and contradictions in the development of clinical thinking] Dolinin VA, et al. **Vestn Khir** 1981 Oct; 127(10):3–8 **(Rus)**
[Variant of abnormal mental development with early

evidence of abstract thinking] Bulakhova LA. **Zh Nevropatol Psikhiatr** 1982;82(3):47–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Dependence between the P3–wave and the prestimulus EEG negative shift under conditions of probability prediction. Angelov A, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(3):55–62

Changes in the P3–wave in a situation of verbal stimulus prediction. Angelov A, et al. **Acta Physiol Pharmacol Bulg** 1981;7(3):47–54

Seizures induced by thinking. Wilkins AJ, et al. **Ann Neurol** 1982 Jun;11(6):608–12

The flow of thought and the flow of substance in the brain. McIlwain H. **Biol Psychol** 1981 Mar–May;12(2–3):147–69

Cognitive performance, sleep quality and mood during deep oxyhelium diving. Lewis VJ, et al. **Ergonomics** 1981 Oct; 24(10):773–93

The neuropsychology of development hemispheric laterality, limbic language, and the origin of thought. Joseph R. **J Clin Psychol** 1982 Jan;38(1):4–33

Presidential address (1981): thinking in the brain. Ziegler DK. **Neurology (NY)** 1982 Mar;32(3):276–9

Heart rate and blink rate responses during mental arithmetic with and without continuous verbalization of results. Schuri U, et al. **Psychophysiology** 1981 Nov;18(6):650–3

[A study on a change of evoked responses as an indication of mental workload (author's transl)] Konjiki F. **Nippon Ika Daigaku Zasshi** 1981 Feb;48(1):98–109 (Eng. Abstr.) **(Jpn)**

[Mathematical modeling of elementary reasoning activity] Kozlov VN. **Dokl Akad Nauk SSSR** 1981;259(2):509–12 **(Rus)**

[Objective study of rational behavior in animals] Krushinskiĭ LV. **Usp Fiziol Nauk** 1982 Jan–Mar;13(1):25–41 (64 ref.) **(Rus)**

[Disturbances of thinking as an index of mental deterioration in alcoholism] Bleĭkher VM, et al. **Vrach Delo** 1982 Jan; (1):90–2 (Eng. Abstr.) **(Rus)**

[Consciousness as a psychophysiologic condition] Ristić J. **Glas Srp Akad Nauka [Med]** 1981;326(34):33–5 **(Scc)**

THINNESS

see related
EMACIATION

METABOLISM

Food intake, growth and tissue amino acid concentrations in lean and obese (ob/ob) mice fed a threonine–imbalanced diet. Tews JK, et al. **J Nutr** 1982 Sep;112(9):1673–81

Effect of high fat weanling diets containing either medium–chain triglycerides or long–chain triglycerides on the development of obesity in the Zucker rat. Turkenkopf IJ, et al. **J Nutr** 1982 Jul;112(7):1254–63

PHYSIOPATHOLOGY

[Effect of experimental thinness and obesity on the delayed neurotoxicity of the organophosphorus pesticide 'Phosvel' (author's transl)] Yamauchi T. **Nippon Eiseigaku Zasshi** 1980 Dec;35(5):782–93 (Eng. Abstr.) **(Jpn)**

THIO–TEPA

ADMINISTRATION & DOSAGE

Early multiple–dose adjuvant thiotepa in the control of multiple and rapid T1 tumour neogenesis. England HR, et al. **Br J Urol** 1981 Dec;53(6):588–92

Use of intravesical thiotepa in superficial bladder tumours. Kulkarni JN, et al. **Indian J Cancer** 1981 Sep;18(3):222–4

[Intrapleural thiotepa for malignant pleural effusions (author's transl)] Lee CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):108–11 (Eng. Abstr.) **(Chi)**

[Effect of corticosteroids, vitamins, thiophosphamide and their combinations on the metabolic status of tumor–bearing animals] Dunaev VV. **Farmakol Toksikol** 1982 Mar–Apr;45(2):73–8 **(Rus)**

ADVERSE EFFECTS

Sterilisation following instillation of thiotepa into the urinary bladder. Homonnai TZ, et al. **Br J Urol** 1982 Feb;54(1):60

Central and peripheral myelinopathy associated with systemic neoplasia and chemotherapy. Mena H, et al. **Cancer** 1981 Oct 15;48(8):1724–37

Unanticipated vesicoureteral reflux: a possible sequela of long–term thio–tepa instillations to the bladder. Mukamel E, et al. **J Urol** 1982 Feb;127(2):245–6

PHARMACODYNAMICS

Effects of thiotepa on primary cultures of DMBA–induced mammary tumours of rats: kinetics and ultrastructure. Fink SM, et al. **Br J Cancer** 1981 Nov;44(5):762–5

The effect of the preparation 'Peptichemio' on leukopoiesis and experimental tumours of animals compared with that of sarcolysin and thiophosphamide. Balitsky KP, et al. **G Ital Chemioter** 1980 Jan–Jun;27(1):1–5

Effects of thio–tepa and hydroxyurea on sperm production in Lakeview hamsters. Singh H, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):307–16

The effects of post–treatments with caffeine during S and G2 on the frequencies of chromosomal aberrations induced by thiotepa in root tips of Vicia faba and in human lymphocytes in vitro. Kihlman BA, et al. **Mutat Res** 1982 May–Jun;104(4–5):323–30

The modifying effect of hexavalent chromate on the mutagenic activity of thio–TEPA. Paschin YV, et al. **Mutat Res** 1982 Mar;103(3–6):367–70

[Relation between sister chromatid exchange and duration of human cell treatment with ethyleneimine derivatives] Listopad GG, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):70–2 (Eng. Abstr.) **(Rus)**

[Influence of selection on the sensitivity of laboratory mice to the cytogenetic effect oof thioTEPA] Malashenko AM, et al. **Genetika (Moskva)** 1982 Feb;18(2):241–7 (Eng. Abstr.) **(Rus)**

[Effect of the lymphocyte storage conditions on the frequency of chromosome aberrations induced by continuous and fractionated thiophosphamide action] Iakovenko KN, et al. **Tsitol Genet** 1982 Mar–Apr; 16(2):46–50 **(Rus)**

THERAPEUTIC USE

Treatment of neoplastic meningitis with intraventricular thiotepa and methotrexate. Trump DL, et al. **Cancer Treat Rep** 1982 Jul;66(7):1549–51

Prophylactic chemotherapy of superficial transitional cell bladder carcinoma: an EORTC randomized trial comparing thiotepa, an epipodophyllotoxin (VM26) and TUR alone. Schulman CC, et al. **Eur Urol** 1982;8(4):207–12

Pathological changes associated with topical chemotherapy for superficial bladder cancer. Murphy WM, et al. **J Urol** 1981 Oct;126(4):461–4

[Chemotherapy associating mitomycin C, thiotepa and vindesine in advanced breast cancers. Study of 100 cases (author's transl)] Chauvergne J, et al. **Bull Cancer (Paris)** 1981;68(5):442–8 (Eng. Abstr.) **(Fre)**

[Thio–tepa treatment for prevention of recurrence of surgically treated bladder tumors] Neagoe M. **Rev Chir [Chir]** 1980 Jul–Aug;29(4):259–65 (Eng. Abstr.) **(Rum)**

[Changes in the proliferative activity of human breast cancer cells cultivated in vivo in diffusion chambers in response to antineoplastic agents] Shamaev VI, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):77–9 (Eng. Abstr.) **(Rus)**

[Selective action of hydrazine sulfate in combination with thiophosphamide on tumor cell mitochondria] Tret'iakov AV, et al. **Vopr Onkol** 1982;28(3):86–8 (Eng. Abstr.) **(Rus)**

TOXICITY

[Repair of DNA injuries induced by thiophosphamide in embryonal fibroblasts of 101/H and CBA mice] S'iaksteTG. **Biull Eksp Biol Med** 1982 Jan;93(1):68–70 (Eng. Abstr.) **(Rus)**

THIOACETAMIDE see under **ACETAMIDES**

THIOACETAZON see **THIACETAZONE**

THIOAMIDES see under **AMIDES**

THIOBACILLUS

ANALYSIS

Localization of quantitation of the ornithine lipid of Thiobacillus thiooxidans. Dees C, et al. **J Bacteriol** 1982 Feb;149(2):798–9

DRUG EFFECTS

[Effect of Fe3+ ions on Thiobacillus ferrooxidans oxidation of ferrous oxide at various temperatures] Kovalenko TV, et al. **Mikrobiologiia** 1982 Jan–Feb;51(1):156–60 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Mercuric reductase enzyme from a mercury–volatilizing strain of Thiobacillus ferrooxidans. Olson GJ, et al. **J Bacteriol** 1982 Sep;151(3):1230–6

Mössbauer and EPR studies on nitrite reductase from Thiobacillus denitrificans. Huynh BH. et al. **J Biol Chem** 1982 Aug 25;257(16):9576–81

GENETICS

Obligate thymidine auxotroph of Thiobacillus A2. Malejczyk M, et al. **Acta Microbiol Pol** 1981;30(4):413–7

Plasmid DNA in acidophilic, chemolithotrophic thiobacilli. Martin PA, et al. **Can J Microbiol** 1981 Aug;27(8):850–3

GROWTH & DEVELOPMENT

Reactivity versus flexibility in thiobacilli. Beudeker RF, et al. **Antonie Van Leeuwenhoek** 1982;48(1):39–51

ISOLATION & PURIFICATION

[Microbial desulfuration of coal. I. Isolation and identification of iron– and sulfur–oxidizing bacteria] Ruiz–Alares MC, et al. **Microbiol Esp** 1979–1980;32–33:65–74 (Eng. Abstr.) **(Spa)**

METABOLISM

Oxidation–reduction potentials of respiratory chain components in Thiobacillus A2. Kula TJ, et al. **Biochim Biophys Acta** 1982 May 19;680(2):142–51

Proton motive force and the physiological basis of delta pH maintenance in thiobacillus acidophilus. Matin A, et al. **J Bacteriol** 1982 May;150(2):582–91

Carbon dioxide assimilation by Thiobacillus novellus under nutrient–limited mixotrophic conditions. Perez RC, et al. **J Bacteriol** 1982 Apr;150(1):46–51

Active transport of amino acids in Thiobacillus thioparus is a low–affinity process. Stark AA, et al. **J Bacteriol** 1981 Dec;148(3):956–65

Regulation of amino acid transport in Thiobacillus thioparus. Stark AA, et al. **J Bacteriol** 1981 Dec;148(3):966–72

Glucose transport system in a facultative iron–oxidizing bacterium, Thiobacillus ferrooxidans. Sugio T, et al. **J Bacteriol** 1982 Jun;150(3):1109–14

THIOBACILLUS THIOOXIDANS see under **THIOBACILLUS**

THIOBACTERIACEAE see under **GRAM–NEGATIVE CHEMOLITHOTROPHIC BACTERIA**

THIOBARBITURATES

The standardization of the thiobarbituric acid assay for nonenzymatic glucosylation of human serum albumin. Ney KA, et al. **Anal Biochem** 1981 Dec;118(2):294–300

Free–radical damage to lipids, amino acids, carbohydrates and nucleic acids determined by thiobarbituric acid reactivity. Gutteridge JM. **Int J Biochem** 1982;14(7):649–53

Thiobarbituric acid reactive material in uremic blood. Fillit H, et al. **Nephron** 1981;29(1–2):40–3

ANALYSIS

[Evaluation of thiobarbituric acid (TBA) value as an index of lipid peroxidation in CCl4–intoxicated rat liver (author's transl)] Mihara M, et al. **Yakugaku Zasshi** 1981 Mar; 101(3):221–6 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

Syntheses and pharmacological analysis of new derivatives of tetrahydro–[1,3]–thiazine and 2–thiobarbituric acid. Zawisza T, et al. **Arch Immunol Ther Exp (Warsz)** 1981; 29(2):235–48

DIAGNOSTIC USE

[Correlation between serum thiobarbituric acid reactive substance ievel and serum iron concentration in rheumatoid arthritis (author's transl)] Yoshida K, et al. **Ryumachi** 1981 May;21(3):162–5 (Eng. Abstr.) **(Jpn)**

THIOCARBAMATES

The influence of reducing agents on the composition of 99Tc–complexes: implications for 99mTc–radiopharmaceutical preparation. Baldas J, et al. **Eur J Nucl Med** 1982;7(4):187–9

ADMINISTRATION & DOSAGE

[Morphologic and histoenzymatic changes in rat brain neuroglia after administration of high doses of Cynkotox] Godlewski A. **Neuropatol Pol** 1981;19(3):389–98 **(Pol)**

ADVERSE EFFECTS

Allergic contact dermatitis to Maneb in a housewife. Adams RM, et al. **Contact Dermatitis** 1982 Jul;8(4):271

Allergic dermatitis and oral challenge to tetramethylthiuram disulphide. Goitre M, et al. **Contact Dermatitis** 1981 Sep; 7(5):272–3

Allergy to zinc dimethyldithiocarbamate in rubber gloves. Zugerman C. **Contact Dermatitis** 1981 Nov;7(6):337–8

[Hypersensitivity to the most common allergens in workers of the drug industry] Rudzki E, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):463–6 (Eng. Abstr.) **(Pol)**

ANALYSIS

High–pressure liquid chromatographic determination of fungicidal dithiocarbamates. Gustafsson KH, et al. **J Agric Food Chem** 1981 Jul–Aug;29(4):729–32

Steam distillation and gas–liquid chromatographic determination of triallate and diallate in milk and plant tissue. Cook LW, et al. **J Assoc Off Anal Chem** 1982 Mar; 65(2):215–7

[Dithiocarbamate fungicides. I. Loss of residues in experimental field tests] Di Muccio A, et al. **Nuovi Ann Ig Microbiol** 1981 Jul–Aug;32(4):279–88 (Eng. Abstr.) **(Ita)**

[Use of dithizone for the photometric determination of zineb in air] Atabekian VG, et al. **Gig Sanit** 1981 Sep;(9):68 **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and structure–activity relationship of nonyl

3-acyldithiocarbazates and related compounds for uncoupling activities. Uda M, et al. **J Med Chem** 1982 May; 25(5):557–60

ISOLATION & PURIFICATION

[Detection and identification of accelerators and antioxidants in rubber products used in contact with milk] Malcher E, et al. **Rocz Panstw Zakl Hig** 1981;32(3):259–66 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effect of thiocarbamate derivatives on copper, zinc, and mercury distribution in rats and mice. Aaseth J, et al. **Arch Toxicol** 1981 Aug;48(1):29–39

Preparation of selectively metal-free and metal-substituted derivatives by reaction of Cu--Zn superoxide dismutase with diethyldithiocarbamate. Cocco D, et al. **Biochem J** 1981 Dec 1;199(3):675–80

Inhibition of rat heart superoxidase dismutase activity by diethyldithiocarbamate and its effect on mitochondrial function. Guarnieri C, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2174–6

H2O2 production, modification of the glutathione status and methemoglobin formation in red blood cells exposed to diethyldithiocarbamate in vitro. Sinet PM, et al. **Biochem Pharmacol** 1982 Feb 15;31(4):521–5

Modification of the sensitivity and repair of potentially lethal damage by diethyldithiocarbamate during and following exposure of plateau-phase cultures of mammalian cells to radiation and cis-diamminedichloroplatinum(II). Evans RG, et al. **Cancer Res** 1982 Aug;42(8):3074–8

Effect of diethyldithiocarbamate on the metabolic elimination of hexobarbital, phenazone, tolbutamide and four halogenated hydrocarbons. Siegers CP, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):141–8

In vivo cooperation between hepatic catalase and superoxide dismutase demonstrated by diethyldithiocarbamate. Geerts A, et al. **FEBS Lett** 1982 Apr 19;140(2):245–7

Further observations on the effects of 1-thiocarbamoyl-2-imidazolidinone (TCI) on cell-mediated immunity. Gautman SC, et al. **Immunopharmacology** 1982 Jun;4(3):201–12

Suppression of cell-mediated immune responses in vivo and in vitro by 1-thiocarbamoyl-2-imidazolidinone. Tracy JW, et al. **Immunopharmacology** 1982 Jun;4(3):187–200

Superficial mycoses and in vitro sensitivity of dermatophytes and Candida species to tolciclate and clotrimazole. Jacob Z, et al. **Indian J Med Res** 1981 Sep;74:365–71

Mechanism of diethyl-dithiocarbamate induced elevation of parasitemia in Plasmodium berghei infection. Nair CR, et al. **Indian J Med Res** 1982 Feb;75:205–11

In vivo enhancement of mitogen-induced lymphocyte DNA synthesis by sodium diethyl-dithiocarbamate (DTC). Neveu PJ, et al. **Int J Immunopharmacol** 1982;4(1):9–13

Effect of disulfiram and its reduced metabolite, diethyl-dithiocarbamate on aldehyde dehydrogenase of human erythrocytes. Inoue K, et al. **Life Sci** 1982 Feb 1; 30(5):419–24

DNA repair studies on diallate, triallate and sulfallate in human cell cultures. Benigni R, et al. **Mutat Res** 1982 Mar; 103(3–6):385–90

Thiram-induced abnormal chromosome segregation in Aspergillus nidulans. Upshall A, et al. **Mutat Res** 1981 Aug; 89(4):297–301

Effects of dithiocarb and (+)-catechin on microsomal enzyme activities of rat liver. Siegers CP, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr;36(1):61–73

The effect of diethyldithiocarbamate on brain uptake of cadmium. Cantilena LR Jr, et al. **Toxicol Appl Pharmacol** 1982 May;63(3):338–43

[Effects of the fungicides, nabam and zineb, on oxygenase activity and thiolate content in rat liver microsomes] Miladi N, et al. **Food Cosmet Toxicol** 1981 Dec;19(6):761–3 (Eng. Abstr.) **(Fre)**

[Immunopharmacology and pharmacology of diethyldithiocarbamate (DIC)] Renoux G. **J Pharmacol** 1982;13 Suppl 1:95–134 (182 ref.) **(Fre)**

[Study of three biocides (dimethoate, parathion ethyl and zineb) on female rat neuro endocrinological balance (author's transl)] Bentue-Ferrer D, et al. **Toxicol Eur Res** 1981 Nov;3(6):279–83 (Eng. Abstr.) **(Fre)**

[Hepatic microsomal monoxygenase inhibition by nabam in the rat (author's transl)] Périquet A, et al. **Toxicol Eur Res** 1981 Nov;3(6):285–91 (Eng. Abstr.) **(Fre)**

[Effect of complex-forming compounds on pancreatic insulocytes] Bavel'skiĭ ZE, et al. **Fiziol Zh** 1982 Jan–Feb; 28(1):34–9 (Eng. Abstr.) **(Rus)**

POISONING

Operator exposure measurements during application of the herbicide diallate. Dubelman S, et al. **J Agric Food Chem** 1982 May–Jun;30(3):528–32

THERAPEUTIC USE

Effect of antibacterials, anabolic steroid, and diethyldithiocarbamate on induced acute aflatoxicosis in goats. Hatch RC, et al. **Am J Vet Res** 1982 Apr; 43(4):639–43

Diethyldithiocarbamate in treatment of acute cadmium poisoning. Gale GR, et al. **Ann Clin Lab Sci** 1981 Nov–Dec; 11(6):476–83

[Comparative study of therapeutic effectiveness with tolciclate and miconazole in superficial dermatophytosis and in pityriasis versicolor (author's transl)] Wiedey K, et al. **Mykosen** 1982 Mar;25(3):126–32 (Eng. Abstr.) **(Ger)**

[Effect of padan and nematin on the egg count and invasiveness of Nippostrongylus brasiliensis (Travassos, 1914)] Szilman P, et al. **Wiad Parazytol** 1981; 27(4–5):599–609 (Eng. Abstr.) **(Pol)**

TOXICITY

Effects of two dithiocarbamates on the grass shrimp, Palaemonetes pugio: molt-related toxicity and inhibition of limb regeneration. Conklin PJ, et al. **Arch Environ Contam Toxicol** 1982;11(4):431–5

Effect of dithiocarbamate-type chemicals on the nervous system of rats. Thuránszky K, et al. **Arch Toxicol [Suppl]** 1982;5:125–8

Paramecium bioassay test in studies on cartap. Komala Z. **Bull Environ Contam Toxicol** 1982 Jun;28(6):660–3

A post-implantational study on the effects of zineb on reproduction using the decidualized pseudopregnant rat as a model. Sing LT, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):418–25

Mutagenicity and synthesis of alpha-substituted N-nitrosamines: derivatives with dithiocarbamic acid. Pool BL, et al. **Carcinogenesis** 1982;3(5):563–7

Toxicity studies on tetramethylthiuram monosulfide. Alanis OT, et al. **Environ Res** 1982 Jun;28(1):199–211

Thiram-induced disturbance of microsomal phospholipid bioformation and phospholipid fatty acid pattern. Leyck S, et al. **J Toxicol Environ Health** 1981 Mar–Apr; 7(3–4):533–45

[Effect of vulcanizing accelerants on embryolethality in rats] Aleksandrov SE. **Biull Eksp Biol Med** 1982 Jan;93(1):87–8 (Eng. Abstr.) **(Rus)**

[Effect of diethyldithiocarbamate on the activity of cellular antioxidative enzymes] Gerasimov AM, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):619–22 **(Rus)**

THIOCHOLINE see under **CHOLINE**

THIOCTIC ACID see **LIPOIC ACID**

THIOCYANATES

Fluorimetric assays for avidin and biotin based on biotin-induced fluorescence enhancement of fluorescein-labeled avidin. Al-Hakiem MH, et al. **Anal Biochem** 1981 Sep 15;116(2):264–7

Improved automated solid-phase microsequencing of peptides using DABITC. Salnikow J, et al. **Anal Biochem** 1981 Nov 1;117(2):433–42

Preparation of fluoresceinylthiocarbamyl relaxin for the demonstration of relaxin receptors. Segaloff A, et al. **Ann NY Acad Sci** 1982;380:198–9

Specific cleavage of glucosephosphate isomerases at cysteinyl residues using 2-nitro-5-thiocyanobenzoic acid: analyses of peptides eluted from polyacrylamide gels and localization of active site histidyl and lysyl residues. Lu HS, et al. **Arch Biochem Biophys** 1981 Dec;212(2):347–59

Isolation and characterization of polypeptide at the picomole level. Pre-column formation of peptide derivatives with dimethylaminoazobenzene isothiocyanate. Chang JY. **Biochem J** 1981 Dec 1;199(3):537–45

Lactoperoxidase-catalyzed oxidation of thiocyanate: polarographic study of the oxidation products. Pruitt KM, et al. **Biochemistry** 1982 Feb 2;21(3):562–7

A method for the isolation of homogeneous fluorescein-labeled proteins for studies on the variation in biological and fluorescence properties of the different conjugates. Kasche V, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):1007–12

Radiosensitization of microorganisms by radical anions. II. Streptococcus faecalis. Schubert J, et al. **Int J Radiat Biol** 1981 Aug;40(2):143–51

Site-specific fluorescein-labeled cobra alpha-toxin. Biochemical and spectroscopic characterization. Johnson DA, et al. **J Biol Chem** 1982 May 25;257(10):5632–6

Preferential response patterns of cytotoxic T lymphocytes specific for fluorescein isothiocyanate-[FITC] modified autologous cells. Arora PK, et al. **J Immunol** 1982 Feb; 128(2):551–5

Experimental model of infantile obstructive cholangiopathy using 1,4-phenylenediisothiocyanate. Ogawa T, et al. **Jpn J Surg** 1981;11(5):372–6

Thermal effect of photolysis in 203Hg, 35S and 131I labeled mercury (II) iodide thiocyanate powders. Takei K, et al. **Radioisotopes** 1982 Jan;31(1):6–10

[Effect of rhodanide on the corrosion of non-gamma 2 amalgam and of a conventional amalgam] Kropp R, et al. **Dtsch Zahnarztl Z** 1982 Apr;37(4):344–7 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Contact allergic reactions to diphenylthiourea and phenylisothiocyanate in PVC adhesive tape. Fregert S, et al. **Contact Dermatitis** 1982 Jan;8(1):38–42

Protection by antibiotics against experimental focal cholangitis produced in mice by a schistosomicidal isothiocyanate. Batzinger RP, et al. **Hepatology** 1981 Jan–Feb;1(1):21–7

Dietary goitrogens [editorial] **Lancet** 1982 Jun 19; 1(8286):1394–5

[Amoscanate induced liver injury. I. Clinical observation (author's transl)] Miao HZ. **Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):430–2 **(Chi)**

[The effect of nithiocyaminum on cardiovascular system in the treatment of schistosomiasis (author's transl)] Wang ZH. **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):355–7 **(Chi)**

[Goitrogens of vegetable origin as possible aetiological factors in endemic goiter (author's transl)] Ermans AM. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):435–8 (Eng. Abstr.) **(Fre)**

[Tolerance of nitroscanate in dogs] Bachmann J, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):491–4 **(Ger)**

ANALYSIS

Saliva thiocyanate: a chemical indicator of cigarette smoking in adolescents. Luepker RV, et al. **Am J Public Health** 1981 Dec;71(12):1320–4

Peroxidase antimicrobial system of human saliva: hypothiocyanite levels in resting and stimulated saliva. Tenovuo J, et al. **J Dent Res** 1982 Aug;61(8):982–5

Crevicular thiocyanate and iodide ions: cofactors of the antimicrobial peroxidase system in leucocytes. Anttonen T, et al. **Proc Finn Dent Soc** 1981;77(6):318–23

[Comparative studies on the determination of thiocyanate in biological materials (author's transl)] Thürkow B, et al. **Pharmazie** 1982 Apr;37(4):264–9 (Eng. Abstr.) **(Ger)**

[Titrimetric determination of p-hydroxybenzyl-isothiocyanate in white mustard] Incze I. **Acta Pharm Hung** 1981 Jul;51(4):186–90 (Eng. Abstr.) **(Hun)**

[Determination of the iodine content in food products using the nitrite-rhodanide method] Proskuriakova GV, et al. **Vopr Pitan** 1982 Jan–Feb;(1):59–61 (Eng. Abstr.) **(Rus)**

BLOOD

Blood carboxyhaemoglobin, plasma thiocyanate, and cigarette consumption: implications for epidemiological studies in smokers. Vesey CJ, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1516–8

Studies on cyanide and thiocyanate in uraemia. Yatzidis H, et al. **Int J Artif Organs** 1981 Mar;4(2):60–1

A colourimetric procedure for the determination of thiocyanate in plasma. Grgurinovich N. **J Anal Toxicol** 1982 Jan–Feb;6(1):53–5

The kinetics of anion equilibrium exchange across the red blood cell membrane as measured by means of 35S thiocyanate. Dissing S, et al. **J Membr Biol** 1981; 62(3):219–29

Estimating the hazards of less hazardous cigarettes. II. Study of cigarette yields of nicotine, carbon monoxide, and hydrogen cyanide in relation to levels of cotinine, carboxyhemoglobin, and thiocyanate in smokers. Rickert WS, et al. **J Toxicol Environ Health** 1981 Mar–Apr; 7(3–4):391–403

Fire deaths in the Glasgow area: III. The role of hydrogen cyanide. Anderson RA, et al. **Med Sci Law** 1982 Jan; 22(1):35–40

[Thiocyanate determination in sera precipitated and preserved by trichloroacetic acid] Paetzelt H, et al. **Pharmazie** 1981 Oct;36(10):716–7 **(Ger)**

[Prevention or diagnosis of carbon monoxide poisoning: the serum concentration of thiocyanate as an indicator of the optional factor in poisoning] Gilli G, et al. **Ann Ist Super Sanita** 1981;17(3):661–4 **(Ita)**

DIAGNOSTIC USE

Determination of estrogen receptor in human colon cancer tissue with labeled fluorescence estradiol (fluorescein isothiocyanate). Zhu NY, et al. **Chin Med J [Engl]** 1981 Sep;94(9):607–10

In vivo labelling of the spleen and mesenteric lymph nodes with fluorescein isothiocyanate for lymphocyte migration studies. Pabst R, et al. **Immunology** 1981 Oct;44(2):321–9

METABOLISM

Transcellular and intercellular transport of anions in the kidney tubules of dogs. Steen PA, et al. **Acta Physiol Scand** 1981 Oct;113(2):239–44

The inhibition by anion binding of reactions of inorganic radical anions with bovine carbonic anhydrase B. Hoe ST, et al. **Biochim Biophys Acta** 1981 Nov 13;662(1):65–71

Kinetics of hypothiocyanite production during peroxidase-catalyzed oxidation of thiocyanate. Pruitt KM, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):204–14

The metabolism of cyanide and the gastrointestinal circulation of the resulting thiocyanate under conditions of chronic cyanide intake in the rat. Okoh PN, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):381–6

Inhibition of dental plaque acid production by the salivary lactoperoxidase antimicrobial system. Tenovuo J, et al. **Infect Immun** 1981 Oct;34(1):208–14

Thiocyanate transport across fish intestine (Pleuronectes platessa). Katz U, et al. **J Membr Biol** 1982;66(1):9–14

Mutagenic activation of an antischistosomal drug by enteric

Streptococcus sps in vitro and in vivo. Molineaux CJ, et al. **Teratogenesis Carcinog Mutagen** 1980;1(2):129–39

PHARMACODYNAMICS

Mechanism of action of gastric secretory inhibitors: effects of SCN- OCN-, NO-2, and NH+4 on (H+ + K+)-ATPase-mediated transport of H+ inside gastric microsomal vesicles. Nandi J, et al. **Arch Biochem Biophys** 1982 Jun;216(1):259–71

Modification of (Na+ + K+)-dependent ATPase by fluorescein isothiocyanate: evidence for the involvement of different amino groups at different PH values. Sen PC, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):652–61

The effect of 4-isothiocyanatobenzene sulfonic acid on the oxygen affinity of human hemoglobin. Currell DL, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):348–54

Reversible dissociation of triiodothyronine-nuclear receptor complexes by mercurial and chaotropic reagents. Ferreira MM, et al. **Biochem Biophys Res Commun** 1982 Mar 15; 105(1):244–51

Modification of chloroplast CF1 by fluoresceinisothiocyanate. Pick U. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):165–71

Modification and inactivation of CoA transferase by 2-nitro-5-(thiocyanato)benzoate. Kindman LA, et al. **Biochemistry** 1981 Sep 1;20(18):5183–7

SCN-and HSCN transport through lipid bilayer membranes. A model for SCN- inhibition of gastric acid secretion. Gutknecht J, et al. **Biochim Biophys Acta** 1982 Mar 8; 685(3):233–40

Effects of cyanate on the distribution of isotope-labeled H2O and extracellular markers in rat liver and tumors. Lea MA, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4988–92

Enhancement of glutathione S-transferase activity of the esophagus by phenols, lactones, and benzyl isothiocyanate. Sparnins VL, et al. **Cancer Res** 1982 Apr;42(4):1205–7

Interaction of fluorescein isothiocyanate with nucleotide-binding sites of the Ca-ATPase from sarcoplasmic reticulum. Pick U. **Eur J Biochem** 1981 Dec; 121(1):187–95

Effect of inorganic phosphate and benzyl thiocyanate on the activity of anhydrotetracyline oxygenase in Streptomyces aureofacíens. Běhal V, et al. **Folia Microbiol (Praha)** 1982; 27(2):102–6

Mutagenic effects of allylisothiocyanate in Escherichia coli WP 67. Říhová E. **Folia Microbiol (Praha)** 1982;27(1):25–31

Lactoperoxidase and thiocyanate protect bacteria from hydrogen peroxide. Adamson M, et al. **Infect Immun** 1982 Jan;35(1):20–4

Effects of lysozyme and inorganic anions on the morphology of Streptococcus mutans BHT: electron microscopic examination. Cho MI, et al. **J Bacteriol** 1982 Sep; 151(3):1498–507

Regulation of fatty acid composition in Escherichia coli: a proposed common mechanism for changes induced by ethanol, chaotropic agents, and a reduction of growth temperature. Ingram LO. **J Bacteriol** 1982 Jan; 149(1):166–72

The active site structure of Na+- and K+-stimulated ATPase. Location of a specific fluorescein isothiocyanate reactive site. Carilli CT, et al. **J Biol Chem** 1982 May 25; 257(10):5601–6

The potassium thiocyanate extract of Pasteurella multocida: electron microscopy and susceptibility of its immunogenic activity to some physical, chemical and enzymatic treatments. Mukkur TK, et al. **J Comp Pathol** 1981 Jul; 91(3):427–37

The fourth component of human complement treated with amines or chaotropes or frozen-thawed (C4b-like C4): interaction with C4 binding protein and cleavage by C3b/C4b inactivator. von Zabern I, et al. **J Immunol** 1982 Mar;128(3):1433–8

Texas Red, a hydrophilic, red-emitting fluorophore for use with fluorescein in dual parameter flow microfluorometric and fluorescence microscopic studies. Titus JA, et al. **J Immunol Methods** 1982;50(2):193–204

Thiocyanate and hydroxyl ions inactivate the scrapie agent. Prusiner SB, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4606–10

Explanation of the effects of imidazole, aminopyrine, and thiocyanate on gastric secretion. Rehm WS, et al. **Prog Clin Biol Res** 1981;73:229–46

The effect of alpha-naphthylisothiocyanate on bile secretion prior to and during the onset of cholestasis in the rat. Lock S, et al. **Toxicol Lett** 1982 Mar;10(4):427–35

[Studies on influence of thiocyanate on immune response by use of the hemolytic plaque technique (author's transl)] Weuffen W, et al. **Allerg Immunol (Leipz)** 1981;27(2):124–30 (Eng. Abstr.) **(Ger)**

[Effect of anions on the oxidative phosphorylation and ATPase activity in mitochondria] Ivashchenko AT, et al. **Vopr Med Khim** 1981 May-Jun;27(3):313–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Anthelmintic efficacy of amoscanate (C 9333-Go/CGP 4540) against various infections in rodents, dogs and monkeys. Sen HG, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):992–8

Efficacy of p-chlorophenylisothiocyanate (Sch 20350) against parasites of ruminants and horses. Panitz E, et al. **J Parasitol** 1981 Dec;67(6):964

Histological changes elicited in Schistosoma japonicum infected rabbits following curative chemotherapy with 4-isothiocyano-4'-nitro-diphenylamine (C9333-Go/CGP 4540). Robinson A, et al. **Trans R Soc Trop Med Hyg** 1981; 75(3):415–7

[Comparative study on pyquiton and nithiocyamin in treating Schistosomiasis japonica (author's transl)] Chen MG. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):134–5 (Eng. Abstr.) **(Chi)**

[Analysis of 62 cases of acute schistosomiasis japonica treated with pyquiton or nithiocyamine] Chen MG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:52–5 (Eng. Abstr.) **(Chi)**

[Experimental therapy and mechanism of action of nithiocyamine on Schistosoma japonica] Yu HZ. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):641–7 (Eng. Abstr.) **(Chi)**

TOXICITY

alpha-Naphthylisothiocyanate induced alterations in hepatic drug metabolizing enzymes and liver morphology: implications concerning anticarcinogenesis. Leonard TB, et al. **Carcinogenesis** 1981;2(6):473–82

beta-Naphthylisothiocyanate-induced alterations in hepatic drug metabolism and liver morphology. Leonard TB, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):527–34

[A study of the hepatotoxic effect of nithiocyaminum. II. Human biopsy and animal experiment (author's transl)] Miao DL. **Chung Hua Nei Ko Tsa Chih** 1981 Aug; 20(8):475–8 **(Chi)**

THIOETHERS see **SULFIDES**

THIOGALACTOSIDES see under **THIOGLYCOSIDES**

THIOGLUCOSIDES see under **THIOGLYCOSIDES**

THIOGLYCOLATES

Comparison of bacterial growth in an improperly but commonly used medium versus reduced thioglycolate with the use of an anaerobic sampling technique. Griffee MB, et al. **Oral Surg** 1981 Oct;52(4):433–6

PHARMACODYNAMICS

2-Mercaptoacetate administration depresses the beta-oxidation pathway through an inhibition of long-chain acyl-CoA dehydrogenase activity. Bauché F, et al. **Biochem J** 1981 Jun 15;196(3):803–9

Involvement of the spleen in the control of the immunogenic and phagocytic function of thioglycollate-induced macrophages. Ron Y, et al. **Eur J Immunol** 1981 Aug; 11(8):608–11

Brewer thioglycollate medium induces different exudates in guinea pigs and mice. Den Otter W, et al. **Exp Mol Pathol** 1982 Jun;36(3):403–13

Augmentation of metastasis formation by thioglycollate-elicited macrophages. Gorelik E, et al. **Int J Cancer** 1982 May 15;29(5):575–81

Turnover of two lysosomal enzymes in macrophages. Skudlarek MD, et al. **J Biol Chem** 1981 Oct 10; 256(19):10137–44

Thioglycollate-elicited mouse peritoneal macrophages are less efficient than resident macrophages in antibody-dependent cell-mediated cytolysis. Shaw DR, et al. **J Immunol** 1982 Jan;128(1):433–40

URINE

Chromatographic determination of thiodiglycolic acid - a metabolite of vinyl chloride. Dramiński W, et al. **Arch Toxicol** 1981 Nov;48(4):289–92

Reversed-phase ion-pair high-performance liquid chromatography of mercaptoacetate and N-acetylcysteine after derivatization with N-(1-pyrene)maleimide and N-(7-dimethylamino-4-methyl-3-coumarinyl)maleimide. Kågedal B, et al. **J Chromatogr** 1982 May 14;229(2):409–15

THIOGLYCOSIDES

Induction of cellulose in Schizophyllum commune: thiocellobiose as a new inducer. Rho D, et al. **J Bacteriol** 1982 Jan;149(1):47–53

Preparation of neoglycoproteins using omega-aldehydoalkyl 1-thioglycosides. Lee RT, et al. **Methods Enzymol** 1982; 83 Pt D:289–94

Preparation of polyacrylamide gels containing thioglycoside. Lee RT, et al. **Methods Enzymol** 1982;83 Pt D:299–305

Preparation of neoglycoproteins using 2-imino-2-methoxyethyl 1-thioglycosides. Stowell CP, et al. **Methods Enzymol** 1982;83 Pt D:278–88

ANALYSIS

Glucosinolates in crucifer vegetables: turnips and rutabagas. Carlson DG, et al. **J Agric Food Chem** 1981 Nov-Dec; 29(6):1235–9

BIOSYNTHESIS

5-Methylthioribose as a precursor of the carbon chain of methionine. Shapiro SK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):302–7

CHEMICAL SYNTHESIS

Preparation of new omega-aldehydoalkyl 1-thio-D-glycopyranosides, and their coupling to bovine serum albumin by reductive alkylation. Lee RT, et al. **Carbohydr Res** 1982 Feb 16;101(1):49–55

METABOLISM

The metabolism of 1-phospho-5-methylthioribose. Trackman PC, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1238–44

Methionine synthesis from 3-methylthioribose in apple tissue. Yung KH, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):771–7

THIOGUANINE

ADMINISTRATION & DOSAGE

Retrospective analysis of 158 cases of adult acute leukaemia: factors influencing prognosis and treatment response. Januszewicz E, et al. **Aust NZ J Med** 1982 Jun;12(3):238–45

Short-term treatment for acute myelogenous leukaemia. Bell R, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1221–4

Treatment of acute nonlymphocytic leukemia in adults: response to 2,2-anhydro-1-B-D-arabinofuranosyl-5-fluorocytosine and thioguanine on the L-12 protocol. Mertelsmann R, et al. **Cancer** 1981 Nov 15;48(10):2136–42

Progress in acute myelogenous leukemia. Gale RP. **Cancer Treat Rep** 1981;65 Suppl 4:87–92

Remission-induction regimens in acute nonlymphocytic leukemia. Brennan DC, et al. **West J Med** 1980 Oct; 133(4):279–88

ADVERSE EFFECTS

Hepatic veno-occlusive disease caused by 6-thioguanine. Gill RA, et al. **Ann Intern Med** 1982 Jan;96(1):58–60

Reversible hepatic veno-occlusive disease and 6-thioguanine [letter] Krivoy N, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):788

ANALOGS & DERIVATIVES

Structure-antitumor activity relationship of purin-6-yl alkyl disulfides. Inomata M, et al. **J Pharmacobiodyn** 1981 Jan; 4(1):58–64

Murine lymphoma L5178Y cells resistant to purine antagonists: differences in cross-resistance to thioguanine-platinum(II) and selenoguanine-platinum(II). Kanzawa F, et al. **JNCI** 1982 Feb;68(2):287–91

BLOOD

Reversed-phase high-performance liquid chromatography analysis of 6-thioguanine applicable to pharmacologic studies in humans. Andrews PA, et al. **J Chromatogr** 1982 Jan 8;227(1):83–91

Quantitative high pressure liquid chromatography of 6-thioguanine in biological fluids. Breithaupt H, et al. **J Chromatogr Sci** 1981 Oct;19(10):496–9

METABOLISM

Facilitated transport of 6-mercaptopurine and 6-thioguanine and non-mediated permeation of 8-azaguanine in Novikoff rat hepatoma cells and relationship to intracellular phosphoribosylation. Plagemann PG, et al. **Biochim Biophys Acta** 1981 Sep 21;647(1):49–62

Clinical pharmacology of oral thioguanine in acute myelogenous leukemia. Brox LW, et al. **Cancer Chemother Pharmacol** 1981;6(1):35–8

Disposition and metabolism of thiopurines III. beta-2'-Deoxythioguanosine and 6-thioguanine in the dog. Loo TL, et al. **Cancer Chemother Pharmacol** 1981; 6(2):131–6

Pharmacokinetics and metabolism of beta-2'-deoxythioguanosine and 6-thioguanine in man. Lu K, et al. **Cancer Chemother Pharmacol** 1982;8(1):119–23

Sister-chromatid exchanges are not directly related to 6-thioguanine-resistant mutations induced by ultraviolet radiation in V79 Chinese hamster cells. Fujiwara Y, et al. **Gan** 1981 Feb;72(1):145–50

Assay of an active metabolite of 6-thioguanine, 6-thioguanosine 5'-monophosphate, in human red blood cells. Dooley T, et al. **J Chromatogr** 1982 Apr 16; 229(1):121–7

PHARMACODYNAMICS

Biochemical mechanism of resistance of cultured sarcoma 180 cells to 6-thioguanine. Lee SH, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3109–14

Efficiency of isolation of revertible 6-thioguanine resistant clones is dependent on the concentration of thioguanine used for selection. Fox M. **Carcinogenesis** 1981;2(9):941–4

Investigation of the effects of the phorbol ester TPA on carcinogen-induced forward mutagenesis to 6-thioguanine-resistance in V79 Chinese hamster cells. Kinsella AR. **Carcinogenesis** 1981;2(1):43–7

Differential chromatid damage induced by 6-thioguanine in CHO cells. Maybaum J, et al. **Exp Cell Res** 1981 Oct; 135(2):465–8

Selection in HAT medium is not a reliable method for the

study of reversion from 6-thioguanine resistance to sensitivity. Bonatti S, et al. **Mutat Res** 1982 Jul; 104(6):377-81

Induction of 6-thioguanine-resistant mutations by rat-liver homogenate (S9)-activated promutagens in human embryonic skin fibroblasts. Chen DJ, et al. **Mutat Res** 1982 Mar;101(1):87-98

Induction of 6-thioguanine resistance in synchronized human fibroblast cells treated with methyl methanesulfonate, N-acetoxy-2-acetylaminofluorene and N-methyl-N'-nitro-N-nitrosoguanidine. Huang SL, et al. **Mutat Res** 1981 Sep;83(2):251-60

The emergence of 6-thioguanine-resistant lymphocytes in pediatric cancer patients. Lange BJ, et al. **Mutat Res** 1982 Jun;94(2):487-99

Mutations induced by gamma-rays and fast neutrons in cultured mammalian cells. Differences in dose response and RBE with methotrexate-and 6-thioguanine-resistant systems. Nakamura N, et al. **Mutat Res** 1982 Jul; 104(6):383-7

Phenotypic drug resistance in mammalian cells in vitro. Verschure PC, et al. **Somatic Cell Genet** 1982 May; 8(3):307-17

THERAPEUTIC USE

Busulfan, antimetabolites, radiotherapy, and cost of treatment in chronic myelocytic leukemia. A non-controlled, non-randomized monocenter study with historical controls. Ogier C, et al. **Acta Med Scand** 1981;210(5):409-13

Secondary treatment of polycythemia rubra vera with 6-thioguanine. Milligan DW, et al. **Cancer** 1982 Sep 1; 50(5):836-9

Phase II evaluation and plasma pharmacokinetics of high-dose intravenous 6-thioguanine in patients with colorectal carcinoma. Konits PH, et al. **Cancer Chemother Pharmacol** 1982;8(2):199-203

Treatment of acute leukemia in relapse with 4'(9-acridinylamino) methanesulfon-m-anisidide (AMSA) in combination with cytosine arabinoside and thioguanine. Arlin ZA, et al. **Cancer Clin Trials** 1981 Fall;4(3):317-21

Hypothetical mechanism of therapeutic synergism induced by the combination of 6-thioguanine and 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-1-(2-chlor hydrochloride. Fujimoto S, et al. **Cancer Res** 1982 Oct; 42(10):4079-85

Phase II trial of iv 6-thioguanine in advanced colorectal carcinoma. Britell JC, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):909-10

Response of hypereosinophilic syndrome to 6-thioguanine and cytarabine. Eakin DL, et al. **Cancer Treat Rep** 1982 Mar;66(3):545-7

[Results of a clinical study of the preparation Lenvis in leukemias in children and adults] Kondrat'eva NA, et al. **Probl Gematol Pereliv Krovi** 1981 Dec;26(12):16-21 (Eng. Abstr.) **(Rus)**

TOXICITY

Human lymphocytes resistant to 6-thioguanine increase with age. Morley AA, et al. **Mech Ageing Dev** 1982 May; 19(1):21-6

THIOHYDANTOINS see under **HYDANTOINS**

THIOINOSINE see under **INOSINE**

THIOLESTER HYDROLASES

Primary structure of a chymotryptic peptide containing the 'active serine' of the thioesterase domain of fatty acid synthase. Poulose AJ, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):377-82

ANALYSIS

Effect of clofibric acid administration on palmitoyl-CoA hydrolase activity in rat liver. Kawashima Y, et al. **J Pharmacobiodyn** 1981 Sep;4(9):711-7

ANTAGONISTS & INHIBITORS

13-Hydroperoxylinoleic acid inhibits rat liver glyoxalase II. Gillespie E. **Inflammation** 1981 Sep;5(3):203-11

BIOSYNTHESIS

Induction of a novel long-chain acyl-CoA hydrolase in rat liver by administration of peroxisome proliferators. Miyazawa S, et al. **Eur J Biochem** 1981 Jul;117(2):425-30

BLOOD

Isolation of palmitoyl-CoA hydrolases from human blood platelets. Berge RK, et al. **Biochem J** 1981 Dec 1; 199(3):639-47

Acetyl-coenzyme A hydrolase in blood. Hsu LL, et al. **Int J Biochem** 1981;13(7):817-22

The glyoxalase system in rat blood. Brandt RB, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):463-9

GENETICS

Glyoxalase phenotypes in patients with diabetes mellitus. McCann VJ, et al. **Aust NZ J Med** 1981 Aug;11(4):380-2

Assignment of the glyoxalase II gene (HAGH) to human chromosome 16. Honey NK, et al. **Hum Genet** 1981; 58(4):358-61

ISOLATION & PURIFICATION

Long-chain fatty acyl-CoA hydrolase from rat liver mitochondria. Berge RK, et al. **Methods Enzymol** 1981;71 Pt C:234-42

Medium-chain fatty acyl-s-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from lactating rabbit and goat mammary glands. Knudsen J, et al. **Methods Enzymol** 1981;71 Pt C:200-29

Thioesterase segment from the fatty acid synthase of the uropygial gland of goose. Kolattukudy PE, et al. **Methods Enzymol** 1981;71 Pt C:230-4

Medium-chain fatty acyl-s-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from lactating mammary gland of rat. Smith S. **Methods Enzymol** 1981;71 Pt C:188-200

Long-chain fatty acyl-S-4'-phosphopantetheine-fatty acid synthase thioester hydrolase from rat. Smith S. **Methods Enzymol** 1981;71 Pt C:181-8

S-Formylglutathione hydrolase. Uotila L, et al. **Methods Enzymol** 1981;77:320-5

METABOLISM

Biosynthesis of myristate in an aphid: involvement of a specific acylthioesterase. Ryan RO, et al. **Arch Biochem Biophys** 1982 Jan;213(1):26-36

Variations in the activity of microsomal palmitoyl-CoA hydrolase in mixed micelle solutions of palmitoyl-CoA and non-ionic detergents of the triton X series. Berge RK, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):25-35

beta-hydroxy-beta-methylglutaryl coenzyme A hydrolase of rat liver. Sipat AB, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):181-90

Development of the capacity of mouse mammary glands for medium chain fatty acid synthesis during pregnancy and lactation. Smith S, et al. **Biochim Biophys Acta** 1981 Jun 23;664(3):611-5

A study of the distribution of acyl-CoA hydrolases and acyl-L-carnitine hydrolases in guinea-pig small intestine. Andersen KJ, et al. **Comp Biochem Physiol [A]** 1982; 72(2):313-8

Regional and subcellular distribution of acyl-CoA hydrolase and acyl-l-carnitine hydrolase in young and adult rat brain. Berge RK, et al. **Int J Biochem** 1981;13(11):1157-62

Activation of pineal acetyl coenzyme A hydrolase by disulfide peptides. Namboodiri MA, et al. **J Biol Chem** 1982 Sep 10;257(17):10030-2

Purification and characterization of S-acyl fatty acid synthase thioester hydrolase which modifies the product specificity of fatty acid synthase in the uropygial gland of mallard. Rogers L, et al. **J Biol Chem** 1982 Jan 25;257(2):880-6

Localization of thioesterase II, the chain-length regulatory enzyme of milk fatty acid synthesis, in rat mammary gland epithelial cells. Nolin JM, et al. **J Endocrinol** 1982 Aug; 94(2):251-6

THIOLS see **SULFHYDRYL COMPOUNDS**

THIOMEBUMAL see **THIOPENTAL**

THIOMETON see under **INSECTICIDES, ORGANOTHIOPHOSPHATE**

THIONEINE see **ERGOTHIONEINE**

THIONES

DIAGNOSTIC USE

Enhanced visualization of peripheral nerve and sensory receptors in the scanning electron microscope using cryofracture and osmium-thiocarbohydrazide-osmium impregnation. Friedman PL, et al. **J Neurocytol** 1981 Feb; 10(1):111-31

PHARMACODYNAMICS

Effects of potassium ethylxanthogenate and 2,3-dimercaptopropane sulphonate sodium on the pentobarbital pharmacokinetics and metabolism in male mice. Yanev S, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan-Mar;7(1):21-9

TOXICITY

Toxicology of thiono-sulfur compounds. Neal RA, et al. **Annu Rev Pharmacol Toxicol** 1982;22:321-39 (74 ref.)

Effects of substituents on reactivity and toxicity of chemically reactive intermediates. Hanzlik RP. **Drug Metab Rev** 1982; 13(2):207-34 (51 ref.)

THIONUCLEOSIDES

ADMINISTRATION & DOSAGE

Evaluation of beta-2'-deoxythioguanosine combined with methyl-CCNU or mitomycin in advanced colorectal cancer. A Southwest Oncology Group study. Gagliano RG, et al. **Cancer Clin Trials** 1981 Winter;4(4):401-5

ANALYSIS

Thiolation and 2-methylthio- modification of Bacillus subtilis transfer ribonucleic acids. Vold BS, et al. **J Bacteriol** 1981 Dec;148(3):869-76

The presence of N-[(9-beta-D-ribofuranosyl-2-methylthiopurin-6-yl)carb in lysine tRNA1 from Bacillus subtilis. Yamada Y, et al. **J Biochem (Tokyo)** 1981 May;89(5):1589-91

High-performance liquid chromatographic analysis of 5'-methylthioadenosine in rat tissues. Della Ragione F, et al. **J Chromatogr** 1981 Nov 13;226(1):243-9

BLOOD

Studies on 5'-methylthioadenosine uptake by human erythrocytes. Zappia V, et al. **Med Biol** 1981 Dec; 59(5-6):354-8

CHEMICAL SYNTHESIS

[New method of synthesis of structural analogs of 5'-methylthioadenosine] Cacciapuoti G, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1082-8 (Eng. Abstr.) **(Ita)**

METABOLISM

Sequential metabolism of 5'-isobutylthioadenosine by methylthioadenosine phosphorylase and purine-nucleoside phosphorylase in viable human cells. Kamatani N, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1335-42

Uptake of 5'-deoxy-5'-S-isobutyl thioadenosine into chick embryo fibroblasts. Enouf J, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2081-7

Trends in the biochemical pharmacology of 5'-deoxy-5'-methylthioadenosine. Williams-Ashman HG, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):277-88 (131 ref.)

Disposition and metabolism of thiopurines III. beta-2'-Deoxythioguanosine and 6-thioguanine in the dog. Loo TL, et al. **Cancer Chemother Pharmacol** 1981; 6(2):131-6

Pharmacokinetics and metabolism of beta-2'-deoxythioguanosine and 6-thioguanine in man. Lu K, et al. **Cancer Chemother Pharmacol** 1982;8(1):119-23

Effect of 5'-deoxy-5'-S-isobutyl-thioadenosine (SIBA) on the disposition of 5'-methylthioadenosine by isolated rat hepatocytes. Schanche T, et al. **FEBS Lett** 1982 Jan 25; 137(2):196-200

Utilization by Saccharomyces cerevisiae of 5'-methylthioadenosine as a source of both purine and methionine. Cone MC, et al. **J Bacteriol** 1982 Jul; 151(1):510-5

Identification of 2-keto-4-methylthiobutyrate as an intermediate compound in methionine synthesis from 5'-methylthioadenosine. Backlund PS Jr, et al. **J Biol Chem** 1982 Apr 25;257(8):4196-202

PHARMACODYNAMICS

Adenosine metabolism: modification by S-adenosylhomocysteine and 5'-methylthioadenosine. Fox IH, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):302-8

Inhibition of aminopropyltransferases by 5'-S-isobutyl-5'-deoxyadenosine in vitro. Hibasami H, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1649-50

Antileishmanial action of 4-thiopyrazolo (3.4-d) pyrimidine and its ribonucleoside. Biological effects and metabolism. Marr JJ, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):143-8

Structural analogs of 5'-methylthioadenosine as substrates and inhibitors of 5'-methylthioadenosine phosphorylase and as inhibitors of human lymphocyte transformation. White MW, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):503-7

Inhibition of lymphocyte cyclic AMP phosphodiesterase and lymphocyte function by 5'-methylthioadenosine. Wolberg G, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2201-3

Effect of 5'-methylthioadenosine on nucleolar morphology and RNA metabolism in cultured Xenopus laevis cells. Law RE, et al. **Exp Cell Res** 1981 Oct;135(2):435-8

Effect of 5'-deoxy-5'-S-isobutyl-thioadenosine (SIBA) on the disposition of 5'-methylthioadenosine by isolated rat hepatocytes. Schanche T, et al. **FEBS Lett** 1982 Jan 25; 137(2):196-200

The effect of adenosine analogues on the in vitro growth of Trypanosoma cruzi. Nadler JP, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):285-7

[Possible regulatory role of 5'-methylthioadenosine on enzymatic methyl esterification of membrane protein] Galletti P, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15; 57(11):1188-94 (Eng. Abstr.) **(Ita)**

[Replicative methylation of DNA in L-cells: effect of S-isobutyladenosine and cycloheximide and possible existence of two DNA-methyiases] Kir'ianov GI, et al. **Biokhimiia** 1982 Jan;47(1):153-61 (Eng. Abstr.) **(Rus)**

THIONUCLEOTIDES

Streospecific substitution of oxygen-18 for sulfur in nucleoside phosphorothioates. Connolly BA, et al. **J Biol Chem** 1982 Apr 10;257(7):3382-4

Structure of the poly(2-thiouridylic) acid duplex. Arnott S, et al. **J Mol Biol** 1981 Jul 5;149(3):507-20

BLOOD

Assay of an active metabolite of 6-thioguanine, 6-thioguanosine 5'-monophosphate, in human red blood cells. Dooley T, et al. **J Chromatogr** 1982 Apr 16; 229(1):121-7

CHEMICAL SYNTHESIS

Synthesis and characterization of diastereomers of guanosine 5'-O-(1-thiotriphosphate) and guanosine 5'-O-(2-thiotriphosphate). Connolly BA, et al. **Biochemistry** 1982 Apr 27;21(9):1983-9

Synthesis of nucleoside 3'-(S-alkyl phosphorothioates) and their use as substrates for nucleases. Saba D, et al. **Biochemistry** 1981 Sep 15;20(19):5461-6

Synthesis of Rp and Sp [alpha-18O]ADP from Sp and Rp beta-cyanoethyl-adenosine 5'[1-thiodiphosphate]. Sammons RD, et al. **J Biol Chem** 1982 Feb 10; 257(3):1138-41

Further studies on the substrate specificity of calf spleen phosphodiesterase [EC 3.1.4.18] Zieliński WS, et al. **Nucleic Acids Symp Ser** 1981;(9):235-7

METABOLISM

Comparison of steady-state kinetics of thiophosphorylated versus unphosphorylated smooth muscle myosin. Malik MN, et al. **Arch Biochem Biophys** 1982 Jul;216(2):671-84

A stereochemical investigation of the hydrolysis of cyclic AMP and the (Sp)-and (Rp)-diastereoisomers of adenosine cyclic 3':5'-phosphorothioate by bovine heart and baker's-yeast cyclic AMP phosphodiesterases. Jarvest RL, et al. **Biochem J** 1982 May 1;203(2):461-70

The stereochemical course of yeast hexokinase-catalysed phosphoryl transfer by using adenosine 5'[gamma(S)-16O,17O,18O]triphosphate as substrate. Lowe G, et al. **Biochem J** 1981 Oct 1;199(1):227-33

Interaction of adenosine-5'-O-(3-thiotriphosphate) with Ca2+,Mg2+-adenosine triphosphatase of sarcoplasmic reticulum. Yasuoka K, et al. **J Biochem (Tokyo)** 1982 May; 91(5):1629-37

Template-prime-dependent turnover of (Sp)-dATP alpha S by T4 DNA polymerase. The stereochemistry of the associated 3' goes to 5'-exonuclease. Gupta A, et al. **J Biol Chem** 1982 Jul 10;257(13):7689-92

A DNA fragment with an alpha-phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated in vivo. Putney SD, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7350-4

PHARMACODYNAMICS

Adenylate cyclase activation by GTP analogs. Krall JF, et al. **Arch Biochem Biophys** 1982 Feb;213(2):585-9

Manipulation of toxicity and tissue distribution of tubercidin in mice by nitrobenzylthioinosine 5'-monophosphate. Kolassa N, et al. **Biochem Pharmacol** 1982 May 15; 31(10):1863-74

Partial circumvention of resistance to 6-mercaptopurine by acylated P1,P2-bis(6-mercaptopurine-9-beta-D-ribofuranoside-5') pyrophosphate derivatives. Tidd DM, et al. **Cancer Res** 1982 Sep;42(9):3769-75

Effects of cations on high-affinity and low-affinity ATP-binding sites of (Na+, K+)-ATPase as studied by disulfides of thioinosine triphosphate and its analogue. Patzelt-Wenczler R, et al. **Eur J Biochem** 1981 Dec; 121(1):197-202

Dichlorobenzimidazole-riboside inhibition of nuclear RNA accumulation initiated with gamma-thio analogues of ATP and GTP. Winicov I, et al. **Eur J Biochem** 1982 May 17; 124(2):239-44

The hepatic angiotensin II receptor. II. Effect of guanine nucleotides and interaction with cyclic AMP production. Crane JK, et al. **J Biol Chem** 1982 May 10;257(9):4959-65

Reactivity and metal-dependent stereospecificity of the phosphorothioate analogs of ADP and ATP and reactivity of Cr(III)ATP in the 3-phosphoglycerate kinase reaction. Structure of the metal nucleotide substrates. Jaffe EK, et al. **J Biol Chem** 1982 Jul 10;257(13):7650-6

Different classes of nucleotide binding sites in the (Na+ + K+)-ATPase studied by affinity labeling and nucleotide-dependent SH-group modifications. Koepsell H, et al. **J Biol Chem** 1982 Sep 25;257(18):10733-41

Guanosine 5'-O-(3-thiotriphosphate) inhibits capping of reovirus mRNA. Reeve AE, et al. **J Biol Chem** 1982 Jun 25;257(12):7018-22

A study of the mechanism of T4 DNA polymerase with diastereomeric phosphorothioate analogues of deoxyadenosine triphosphate. Romaniuk PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7684-8

Antiviral properties of polyinosinic acids containing thio and methyl substitutions. Chan EW, et al. **J Gen Virol** 1981 Feb;52(Pt 2):291-9

Deoxynucleoside [1-thio]triphosphates prevent proofreading during in vitro DNA synthesis. Kunkel TA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6734-8

THIOPENTAL

Midazolam for induction of anaesthesia in outpatients: a comparison with thiopentone. Berggren L, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):492-6

Routine induction of anaesthesia with thiopental and suxamethonium: apnoea without ventilation? Gabrielsen J, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):59-62

Comparison of thiopentone and diazepam as induction agents of anaesthesia for Caesarean section. Haram K, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):470-6

Influence of moderate alcohol intake on thiopental anesthesia. Loft S, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):22-6

Midazolam compared with thiopentone as an induction agent. Pakkanen A, et al. **Acta Anaesthesiol Scand** 1982 Apr; 26(2):143-6

Glass fragments in thiopentone sodium solution [letter] Purdie HR, et al. **Anaesthesia** 1982 Jan;37(1):101-2

The dose response of intravenous thiopental for the induction of general anesthesia in unpremedicated children. Coté CJ, et al. **Anesthesiology** 1981 Dec;55(6):703-5

Treatment of stress-induced increases in pulmonary capillary wedge pressure using volatile anesthetics. Roizen MF, et al. **Anesthesiology** 1981 Oct;55(4):446-50

Use of midazolam as an induction agent: comparison with thiopentone. Jensen S, et al. **Br J Anaesth** 1982 Jun; 54(6):605-7

Plasma protein concentration and recovery from anaesthesia in man. Torri G, et al. **Br J Anaesth** 1981 Dec;53(12):1281-4

Comparison of thiopentone and midazolam for induction of anaesthesia: influence of diazepam premedication. Finucane BT, et al. **Can Anaesth Soc J** 1982 May;29(3):227-30

Ventilation following induction of general anaesthesia by thiopentone. Germain M, et al. **Can Anaesth Soc J** 1982 Mar;29(2):100-4

Large dose thiopental anesthesia for intracranial aneurysm surgery. Sokoll MD, et al. **Neurosurgery** 1982 May; 10(5):555-62

Physiological effects of chloral hydrate-thiopentone anaesthesia and intermittent positive pressure ventilation during bovine diaphragmatic herniorrhaphy. Prasad B, et al. **Zentralbl Veterinarmed [A]** 1981;28(9-10):803-7

[Induction of anesthesia in cesarean section using ketalar: a comparison study with thiopental] Marinova M, et al. **Akush Ginekol (Sofiia)** 1981;20(4):289-95 (Eng. Abstr.) **(Bul)**

ADMINISTRATION & DOSAGE

Continuous infusion of thiopental sodium for barbiturate-induced coma [letter] Mendel S. **Am J Hosp Pharm** 1981 Oct;38(10):1441-2

Inadvertent injection of thiopentone to the brachial plexus sheath. A case report. Tuohy SA, et al. **Br J Anaesth** 1982 Mar;54(3):355-7

Comparison of thiopentone and midazolam for induction of anaesthesia: influence of diazepam premedication. Finucane BT, et al. **Can Anaesth Soc J** 1982 May;29(3):227-30

Prevention of intracranial hypertension during the insertion of a pulmonary artery catheter. Bowe EA, et al. **Neurosurgery** 1981 Nov;9(5):562-3

ADVERSE EFFECTS

An unusual adverse drug reaction to thiopental. Butler JM, et al. **Anesthesiology** 1982 Jul;57(1):51-3

Leukocyte histamine release to thiopental. Hirshman CA, et al. **Anesthesiology** 1982 Jan;56(1):64-7

ANALOGS & DERIVATIVES

Analysis of adrenergic effects of the anesthetics Inactin and alpha-chloralose. Tucker BJ, et al. **Am J Physiol** 1982 Sep; 243(3):F253-9

Parathyroid hormone effects on calcium metabolism in the rat are impaired by 5-ethyl-5'-(1-methylpropyl)-2-thiobarbiturate (inaktin). Heitz C, et al. **Eur J Pharmacol** 1981 Oct 22;75(2-3):163-6

[Studies on the clinical significance of a simple fluorometric determination method of thiobarbituric acid reactive substance levels in human urine--urinary thiobarbituric acid reactive substance levels in hemiplegia and rheumatoid arthritis (author's transl)] Yoshida K, et al. **Rinsho Byori** 1981 Jan;29(1):87-9 **(Jpn)**

BLOOD

Plasma and cerebrospinal fluid barbiturate levels during prolonged continuous thiopentone infusion. Airey IL, et al. **Anaesthesia** 1982 Mar;37(3):328-31

Influence of age and sex on the pharmacokinetics of thiopentone. Christensen JH, et al. **Br J Anaesth** 1981 Nov; 53(11):1189-95

Comparison of the cerebral function monitor and plasma concentrations of thiopentone and alphaxalone during total i.v. anaesthesia with repeated bolus doses of thiopentone and althesin. Frank M, et al. **Br J Anaesth** 1982 Jun; 54(6):609-16

Monitoring serum thiopental concentrations by liquid chromatography [letter] Freeman DJ. **Clin Chem** 1981 Nov; 27(11):1942-3

Comparison of the placental transfer of thiopental and diazepam in caesarean section. Bakke OM, et al. **Eur J Clin Pharmacol** 1981;21(3):221-7

Simple, rapid and sensitive reversed-phase high-performance liquid chromatographic method for thiopental and pentobarbital determination in plasma and brain tissue. Shiu GK, et al. **J Chromatogr** 1982 Jan 8;227(1):207-12

METABOLISM

Pharmacokinetics of thiopental in caesarian section. Christensen JH, et al. **Acta Anaesthesiol Scand** 1981 Apr; 25(2):174-9

Displacement of protein-bound thiopental by sodium methiodal may contribute to anesthetic complications during canine myelography. Bonhaus DW, et al. **Am J Vet Res** 1981 Sep;42(9):1612-4

Thiopental disposition as a function of age in female patients undergoing surgery. Jung D, et al. **Anesthesiology** 1982 Apr;56(4):263-8

Thiopental disposition in lean and obese patients undergoing surgery. Jung D, et al. **Anesthesiology** 1982 Apr; 56(4):269-74

Decreased protein binding and thiopental kinetics. Burch PG, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):212-7

Comparative physiologically based pharmacokinetics of hexobarbital, phenobarbital and thiopental in the rat. Igari Y, et al. **J Pharmacokinet Biopharm** 1982 Feb;10(1):53-75

[Effect of fluid volume on gastric emptying and gastro-intestinal absorption of thiopental-Na and aminopyrine in mouse (author's transl)] Tsuzuki O, et al. **Yakugaku Zasshi** 1981 Jun;101(6):548-55 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effects of low-dose ketamine and thiopentone on cardiac performance and myocardial oxygen balance in high-risk patients. Pedersen T, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):235-9

Effects of thiopentone on cardiac performance, coronary hemodynamics and myocardial oxygen consumption in chronic ischemic heart disease. Reiz S, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):103-10

Effects of thiopentone on the canine coronary circulation in acute experimental myocardial ischaemia. Smith G, et al. **Acta Anaesthesiol Scand** 1982 Apr;26(2):126-9

Atropine before enflurane anaesthesia: effects on cardiac rhythm, pulse rate, blood pressure and airway secretion. Valentin N, et al. **Acta Anaesthesiol Scand** 1982 Apr; 26(2):156-61

Influence of thiopental anesthesia on renal sodium and water excretion in the dog. Gagnon JA, et al. **Am J Physiol** 1982 Sep;243(3):F265-70

Pharmacokinetics and pharmacodynamics of thiopentone, A comparison between young and elderly patients. Christensen JH, et al. **Anaesthesia** 1982 Apr;37(4):398-404

Thiopental suppression of neurons of the nucleus reticularis gigantocellularis of the cat. Kawahara M, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):763-6

Comparative cardiovascular effects of midazolam and thiopental in healthy patients. Lebowitz PW, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):771-5

Membrane stabilizers inhibit potassium efflux from Staphylococcus aureus strain No. U2275. Kristiansen JE, et al. **Biochim Biophys Acta** 1982 Mar 8;685(3):379-82

Comparison of the effect of diisopropyl phenol (ICI 35, 868) and thiopentone on response to somatic pain. Briggs LP, et al. **Br J Anaesth** 1982 Mar;54(3):307-11

Haemodynamic effects of midazolam and thiopentone during induction of anaesthesia for coronary artery surgery. Al-Khudhairi D, et al. **Br J Anaesth** 1982 Aug;54(8):831-5

Effect of anesthesia and surgical stress on prolactin levels in pregnancy. Vadora E, et al. **Clin Exp Obstet Gynecol** 1981;8(2):60-3

Effects of thiopental on tension development, action potential, and exchange of calcium and potassium in rabbit ventricular myocardium. Frankl WS, et al. **J Cardiovasc Pharmacol** 1981 May-Jun;3(3):554-65

Effects of thiopental on regulatory mechanisms of brain energy metabolism. Krieglstein J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(1):56-61

Solubilization of hexokinase activity by an effect of thiopental on the mitochondrial membrane. Höfeler H, et al. **Pharmacology** 1982;24(3):156-61

The response of spinal cord blood flow to high-dose barbiturates. Hitchon PW, et al. **Spine** 1982;7(1):41-5

THERAPEUTIC USE

Hypothermia plus thiopental: prolonged electroencephalographic suppression. Quasha AL, et al. **Anesthesiology** 1981 Dec;55(6):636-40

The neurologic effects of thiopental therapy following experimental cardiac arrest in cats. Todd MM, et al. **Anesthesiology** 1982 Aug;57(2):76-86

Thiopental modification of ischemic spinal cord injury in the dog. Nylander WA Jr, et al. **Ann Thorac Surg** 1982 Jan; 33(1):64-8

Successful reversal of brain damage from iatrogenic air embolism. Diethrich EB, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):572-5

[Cardiac arrest. Cerebral protection with penthiobarbital (letter)] Saussine M, et al. **Nouv Presse Med** 1981 Sep 19; 10(33):2749 **(Fre)**

TOXICITY

Alterations induced by Nesdonal and Revrin on the heptic and nervous tissues of chick embryo. Farid M. **Pediatr Pharmacol (New York)** 1981;1(4):357-64

THIOPENTOBARBITAL see **THIOPENTAL**

THIOPHANATE see under **CARBAMATES**

THIOPHENES

ADMINISTRATION & DOSAGE

[Synergistic action of sodium thiophencarboxylate and bromhexine in chronic bronchitis in rats] Badimón JJ, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):161–4 **(Spa)**

ADVERSE EFFECTS

Carcinogenic effect of 1:3 propane sultone. Gupta SC, et al. **Int Surg** 1981 Apr–Jun;66(2):161–3

[Side effects of ticlopidine; clinical observation and immunological study] de Fraiture WH, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5;126(23):1051–4 (Eng. Abstr.) **(Dut)**

[Hematological toxicity of ticlopidine? (author's transl)] de Gramont A, et al. **Nouv Rev Fr Hematol** 1982;24(1):35–7 (Eng. Abstr.) **(Fre)**

[Ticlopidine: blood and liver involvement? (letter)] Biour M, et al. **Therapie** 1982 Mar–Apr;37(2):222–4 **(Fre)**

BLOOD

[Physicochemical study of ticlopidine absorption kinetics on human platelet membrane (author's transl)] Stoltz JF, et al. **J Mal Vasc** 1982;7(2):125–8 **(Fre)**

CHEMICAL SYNTHESIS

Synthesis and absolute configuration of a tinofedrine–oxazolidine derivative. Engel J, et al. **Arzneimittelforsch** 1982;32(5):475–7

Synthesis, spectral behaviour and microbiological properties of some di(nitrothienyl)sulfides. Ronsisvalle G, et al. **Farmaco [Sci]** 1981 Sep;36(9):785–93

Synthesis and evaluation of 1,2,3,4–tetrahydro[1]benzothieno[2,3–h]isoquinolines as dopamine antagonists. Ellefson CR, et al. **J Med Chem** 1981 Sep;24(9):1107–10

[Antihypertensive drugs: synthesis of quaternary ammonium salts and guanidine derivatives of thiophene, furan and benzofuran (author's transl)] Xie MH, et al. **Yao Hsueh Hsueh Pao** 1982 Mar;17(3):229–32 (Eng. Abstr.) **(Chi)**

[A novel type of analgesic antiphlogistics, I: 2,3–Dihydro–2–phenylbenzo[b]thiophene 1,1–dioxides with basic substituents (author's transl)] Sauter F, et al. **Arch Pharm (Weinheim)** 1981 Jun;314(6):567–72 (Eng. Abstr.) **(Ger)**

[Synthesis of germinal 3,3–dithienyl compounds (author's transl)] Kleemann A, et al. **Arzneimittelforsch** 1981; 31(8):1178–83 (Eng. Abstr.) **(Ger)**

METABOLISM

Multiple human serum binding of two thienopyridinic derivatives, ticlopidine and PCR 2362, and their distribution between HSA, alpha1–acid glycoprotein and lipoproteins. Glasson S, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):831–5

Metabolism of ticlopidine in rats: identification and quantitative determination of some its metabolites in plasma, urine and bile. Tuong A, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(2):91–8

PHARMACODYNAMICS

Corticosteroid–like effects after high doses of compound (5–methoxy–2–thienyl)–thioacetic acid sodium salt in rats. Staben P, et al. **Arzneimittelforsch** 1981;31(10):1735–8

Modulation of the inhibitory action of prostaglandin E1 on platelet aggregation in rats: a study with ticlopidine, aspirin, dipyridamole and sulfinpyrazone. Tuong CC, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1147–50

Effects of 5–(2–chlorobenzyl)–4,5,6,7–tetrahydrothieno[3,2–c]pyridin hydrochloride (Ticlopidine), a platelet aggregation inhibitor, on blood–borne metastasis. Kohga S, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4710–4

Prevention by ticlopidine of platelet consumption during extracorporeal circulation for heart surgery and lack of effect on operative and postoperative bleeding. Installe E, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1174–83

Effect of cetiedil, an in vitro antisickling agent, on erythrocyte membrane cation permeability. Berkowitz LR, et al. **J Clin Invest** 1981 Nov;68(5):1215–20

Cerebrovasodilatation through selective inhibition of the enzyme carbonic anhydrase. 3. 5–(Arylthio)–, 5–(arylsulfinyl)–, and 5–(arylsulfonyl)thiophene–2–sulfonamides. Barnish IT, et al. **J Med Chem** 1981 Aug;24(8):959–64

Inhibition of pentagastrin–stimulated gastric secretion by pyridyl–2–tetrahydrothiophene derivative (RP 40749) [letter] Minaire Y, et al. **Lancet** 1982 May 22; 1(8282):1179–80

The in vitro effect of ticlopidine on fibrinogen and factor VIII binding to human platelets. Lee H, et al. **Thromb Haemost** 1981 Oct;46(3):590–2

Comparison between the antiaggregating effect of ticlopidine in whole blood, platelet–rich plasma and washed platelets of the rat. Randon J, et al. **Thromb Res** 1982 Apr 1; 26(1):13–20

[Antisecretory and antiulcer activities of N–methyl–2–(2–pyridyl)–2,3,4,5,–tetrahydro–2–thiophene–(R.P. .40, 749) (author's transl)] Derégnaucort J, et al. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):591–4 (Eng. Abstr.) **(Fre)**

[Study on possible interactions between tiaprofenic acid and phenprocoumon (author's transl)] Dürr J, et al. **Arzneimittelforsch** 1981;31(12):2163–7 (Eng. Abstr.) **(Ger)**

[Investigations on the general effects of tinofedrine on heart and blood circulation (author's transl)] Stroman F, et al. **Arzneimittelforsch** 1981;31(11):1892–902 (Eng. Abstr.) **(Ger)**

[Mechanism of hepatocyte–protective action of prostenoglycine] Casaretti L, et al. **Clin Ter** 1981 Dec 31; 99(6):629–35 (Eng. Abstr.) **(Ita)**

[Protective action of prostenoglycine in in–vitro experimental erythrocyte poisoning] Palmieri B, et al. **Clin Ter** 1981 Dec 31;99(6):623–7 (Eng. Abstr.) **(Ita)**

[Direct action of timepidium bromide on the gastric mucosa and its inhibitory effect on pepsin secretion (author's transl)] Narikawa H, et al. **Nippon Yakurigaku Zasshi** 1981 Aug;78(2):71–8 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Serotonin precursors in migraine prophylaxis. Bono G, et al. **Adv Neurol** 1982;33:357–63

Therapeutic effect of ticlopidine, a new inhibitor of platelet aggregation, on chronic arterial occlusive diseases, a double–blind study versus placebo. Katsumura T, et al. **Angiology** 1982 Jun;33(6):357–67

Pizotifen in the treatment of severe recurrent headache single and divided dose therapy compared. Behan PO. **Br J Clin Pract** 1982 Jan;36(1):13–7

The comparative effectiveness of tiaprofenic acid and aspirin in the treatment of post–prostatectomy pain. Ormiston MC, et al. **Br J Clin Pract** 1981 Oct;35(10):360–2

Platelet inhibition with Ticlopidine in atherosclerotic intermittent claudication. Aukland A, et al. **J Clin Pathol** 1982 Jul;35(7):740–3

Tiaprofenic acid in the treatment of rheumatoid arthritis. Camp AV. **Rheumatol Rehabil** 1981 Aug;20(3):181–3

Tiaprofenic acid (surgam) in the treatment of osteoarthritis of the knee and hip. Wojtulewski J, et al. **Rheumatol Rehabil** 1981 Aug;20(3):177–80

[Treatment of postoperative edema and pain with the antiphlogistic Surgam] Bornfleth GH, et al. **Ther Ggw** 1981 Aug;120(8):719–22 **(Ger)**

[Use of a new platelet aggregation inhibitor, ticlopidine, in hemodialysis] Griffanti–Bartoli F, et al. **Arch E Maragliano Patol Clin** 1979;35(2):73–80 **(Ita)**

TOXICITY

[Toxicity and biological activity of sulfolane derivatives] Lazareva DN, et al. **Farmakol Toksikol** 1981 Jul–Aug; 44(4):482–4 **(Rus)**

THIOPHENICOL see **THIAMPHENICOL**

THIOPHOSPHAMIDE see **THIO–TEPA**

THIOPHOSPHORIC ACID ESTERS see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

THIOPROPERAZINE

THERAPEUTIC USE

On the use of clonidine and thioproperazine in a woman with Gilles de la Tourette's disease. Lechin F, et al. **Biol Psychiatry** 1982 Jan;17(1):103–8

THIOQUINALBARBITONE see **THIAMYLAL**

THIOREDOXIN see under **BACTERIAL PROTEINS**

THIOREDOXIN REDUCTASE (NADPH) see under **NADH, NADPH OXIDOREDUCTASES**

THIORHODACEAE see **CHROMATIACEAE**

THIORIDAZINE

ADVERSE EFFECTS

Corneal and lenticular opacities in mentally retarded young adults treated with thioridazine and chlorpromazine. Gualtieri CT, et al. **Am J Psychiatry** 1982 Sep; 139(9):1178–80

Epistaxis in hypertensive patients taking thioridazine [letter] Idupuganti S. **Am J Psychiatry** 1982 Aug;139(8):1083–4

Nocturnal enuresis caused by psychotropic drugs [letter] Jose CJ. **Am J Psychiatry** 1981 Nov;138(11):1519

Markedly elevated creatine phosphokinase levels after neuroleptic withdrawal. Malas KL, et al. **Am J Psychiatry** 1982 Feb;139(2):231–2

Analysis of single–double blind procedures, maintenance of placebo effects and drug induced dyskinesia with mentally retarded persons. Breuning SE, et al. **Appl Res Ment Retard** 1980;1(3–4):175–92

Electrocardiographic changes following intravenous administration of thioridazine to macaque monkeys. Moore RH, et al. **J Clin Psychiatry** 1982 May;43(5 Pt 2):41–3

Withdrawal akinesia [letter] Inoue F, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):958

A danger in making the diagnosis of Parkinson's disease. Murdoch PS, et al. **Lancet** 1982 May 29;1(8283):1212–3

ANALYSIS

High–performance liquid chromatographic determination of chloropromazine and thioridazine hydrochlorides in pharmaceutical formulations. Mehta AC. **Analyst** 1981 Oct; 106(1267):1119–22

Thioridazine levels in the human eye. Kimbrough BO, et al. **Arch Ophthalmol** 1981 Dec;99(12):2188–9

BLOOD

Receptor techniques in the study of plasma levels of neuroleptics and antidepressant drugs. Smith RC, et al. **Commun Psychopharmacol** 1980;4(6):451–65

Electrocardiographic changes and serum concentrations in thioridazine–treated patients. Axelsson R, et al. **J Clin Psychiatry** 1982 Aug;43(8):332–5

METABOLISM

Disparate serum thioridazine concentrations: liquid chromatography versus radioreceptor assay. Linnoila M, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan;50(1):25–9

Binding of thioridazine and thioridazine metabolites to serum proteins. An in vitro study. Nyberg G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Jun; 319(3):189–96

PHARMACODYNAMICS

Oxidation of human oxyhemoglobin by thioridazine and related drugs in the presence of ceruloplasmin. Løvstad RA. **Gen Pharmacol** 1981;12(6):433–7

Thioridazine is not specific for limbic dopamine receptors [letter] Reynolds GP, et al. **Lancet** 1982 Aug 28; 2(8296):499–500

THERAPEUTIC USE

Efficacy of antipsychotic medications in behaviorally disturbed dementia patients. Barnes R, et al. **Am J Psychiatry** 1982 Sep;139(9):1170–4

[Comparison of the effectiveness of tranylcypromine, nortriptyline, thioridazine and amitriptyline in two syndromological types of endogenous depression (author's transl)] Náhunek K, et al. **Cesk Psychiatr** 1981;77(4):245–52 (Eng. Abstr.) **(Cze)**

THIOSEMICARBAZONES

CHEMICAL SYNTHESIS

Potential biologically active agents, XXXII. Synthesis and antiviral activity of some 3–(arylthiosemicarbazono)–2–indolinones. Varma RS, et al. **Arch Pharm (Weinheim)** 1981 Nov;314(11):918–22

DIAGNOSTIC USE

Biodistribution of 59Fe–thiosemicarbazones. Hanson RN, et al. **Int J Nucl Med Biol** 1982;9(2):97–103

PHARMACODYNAMICS

Activity of 2–acetylpyridine and 2–acetylquinoline thiosemicarbazones tested in vitro in combination with other antituberculous drugs. Collins FM, et al. **Am Rev Respir Dis** 1982 Jan;125(1):58–60

Antimycobacterial activity of 2–acetylpyridine thiosemicarbazones in relation to their antileprosy activity. Morrison NE, et al. **Int J Lepr** 1981 Jun;49(2):180–6

The influence of dithiosemicarbazone on the immunity of sheep to heartwater. Du Plessis JL. **Onderstepoort J Vet Res** 1981 Sep;48(3):175–6

The chemistry and biological activity of alpha –(N)–heterocyclic carboxaldehyde thiosemicarbazones. Agrawal KC, et al. **Prog Med Chem** 1978;15:321–56 (81 ref.)

THERAPEUTIC USE

Evaluation of ectodermal lesions in intravenous vaccinia infected mice as a method to investigate the antiviral activity of isatin beta–thiosemicarbazone derivative (TSK VI compound). Walter M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(2):187–94

THIOSTREPTON see under **ANTIBIOTICS**

THIOSULFATE SULFURTRANSFERASE see under **SULFURTRANSFERASES**

THIOSULFATES

ADMINISTRATION & DOSAGE

['Two route infusion chemotherapy' of cis–diamminedichloro–platinum (II) and its antidote, sodium thiosulfate, for rat bladder tumor (author's transl)] Sagiyama K, et al. **Nippon Hinyokika Gakkai Zasshi** 1982

Mar;73(3):287–93 (Eng. Abstr.) **(Jpn)**

METABOLISM

Thiosulfate pharmacokinetics in normal and anuric dogs. Braverman B, et al. **Proc Soc Exp Biol Med** 1982 Jul; 170(3):273–80

[Transport of H+ in mitochondria induced by the uptake of sulfite, sulfate and thiosulfate] Stipani I, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15;57(13):1430–6 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Prevention of nitroprusside toxicity with thiosulfate in dogs. Ivankovich AD, et al. **Anesth Analg (Cleve)** 1982 Feb; 61(2):120–6

Complete exchange of phosphatidylcholine from intact erythrocytes after protein crosslinking. Franck PF, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):105–8

Effect of sodium tetrathionate on the activities of some enzymes in kidney and urine. Kunović B, et al. **J Clin Chem Clin Biochem** 1981 Nov;19(11):1131–6

Protection by sodium thiosulfate and thiourea against lethal toxicity of cis-diamminedichloroplatinum **(II)** in bacteria and mice. Ishizawa M, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):883–9

THERAPEUTIC USE

Effects of cyanide antidotes used with sodium nitroprusside infusions: sodium thiosulphate and hydroxocobalamin given prophylactically to dogs. Krapez JR, et al. **Br J Anaesth** 1981 Aug;53(8):793–804

Topical deodorized polysulfides. Broadscope acne therapy. Elstein W. **Cutis** 1981 Oct;28(4):468–72

Sodium nitroprusside: comparison of the antidotal effect of hydroxocobalamin and sodium thiosulfate in rabbits. Pill J, et al. **Dev Toxicol Environ Sci** 1980;8:423–6

Detoxification of cyanide in a new-born child. Schulz V, et al. **Klin Wochenschr** 1982 May 17;60(10):527–8

[Sodium thiosulfate in the treatment of early postischemic disorders] Oksman TM, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):275–8 (Eng. Abstr.) **(Rus)**

TOXICITY

[Primary toxicological evaluation of ammonium thiosulfate] Talakin IuN, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):54–5 **(Rus)**

URINE

Iodine-Azide spot test in screening for sulfite-oxidase deficiency [letter] Summerville DA, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):717–8

THIOSULFINIC ACIDS see under **SULFINIC ACIDS**

THIOSULFONIC ACIDS see under **SULFONIC ACIDS**

THIOSULFURIC ACID ESTERS see under **SULFURIC ACIDS**

THIOTEPA see **THIO-TEPA**

THIOTHIXENE

ADVERSE EFFECTS

Psychopharmacological correlates of post-psychotic depression: a double-blind investigation of haloperidol vs thiothixene in outpatient schizophrenia. Abuzzahab FS Sr, et al. **J Clin Psychiatry** 1981 Mar;43(3):105–10

Neuroleptics, laryngeal-pharyngeal dystonia and acute renal failure.[letter] Ravi SD, et al. **J Clin Psychiatry** 1982 Jul; 43(7):300

BLOOD

Serum level monitoring of thiothixene in schizophrenia: acute single-dose levels at fixed doses. Yesavage JA, et al. **Am J Psychiatry** 1982 Feb;139(2):174–8

THERAPEUTIC USE

A preliminary attempt to relate individual differences in EEG test dose response to clinical effect. May PR, et al. **Biol Psychiatry** 1982 May;17(5):599–603

Bromocriptine associated with symptom exacerbation during neuroleptic treatment of schizoaffective schizophrenia. Frye PE, et al. **J Clin Psychiatry** 1982 Jun;43(6):252–3

THIOURACIL

ADMINISTRATION & DOSAGE

Response of adrenal 3beta-hydroxy-delta5-steroid dehydrogenase to adrenocorticotropin treatment in thiouracil-fed male mice. Meserve LA, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):83–7

ADVERSE EFFECTS

Use of thiouracils and iodides during pregnancy [letter] Ford S Jr. **Am Fam Physician** 1982 Feb;25(2):47

ANALOGS & DERIVATIVES

Structure-activity relationships of inhibition of hepatic monodeiodination of thyroxine to 3,5,3'-triiodothyronine by thiouracil and related compounds. Chopra IJ, et al. **Endocrinology** 1982 Jan;110(1):163–8

METABOLISM

Incorporation of thiouracil and some related compounds into growing melanin. Dencker L, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):141–9

A new melanoma seeker for possible clinical use: selective accumulation of radiolabelled thiouracil. Dencker L, et al. **Br J Cancer** 1982 Jan;45(1):95–104

PHARMACODYNAMICS

Structure-activity relationships of inhibition of hepatic monodeiodination of thyroxine to 3,5,3'-triiodothyronine by thiouracil and related compounds. Chopra IJ, et al. **Endocrinology** 1982 Jan;110(1):163–8

Dependency of maximum goitrogenic response on some minimal level of thyroid hormone production. March BE, et al. **Poult Sci** 1981 Apr;60(4):846–54

RADIATION EFFECTS

ESR of irradiated 2-thiouracil single crystals. A 3alpha-hydrogen radical. Jørgensen JP, et al. **Radiat Res** 1981 Oct;88(1):29–36

THIOUREA

ANALOGS & DERIVATIVES

Histamine content of tick attachment sites and the effects of H1 and H2 histamine antagonists on the expression of resistance. Wikel SK. **Ann Trop Med Parasitol** 1982 Apr; 76(2):179–85

Contact allergic dermatitis due to diethylthiourea in a wetsuit. Adams RM. **Contact Dermatitis** 1982 Jul;8(4):277–8

Contact allergic reactions to diphenylthiourea and phenylisothiocyanate in PVC adhesive tape. Fregert S, et al. **Contact Dermatitis** 1982 Jan;8(1):38–42

Flare-up reactions from a chemical used in the film industry. Lidén C, et al. **Contact Dermatitis** 1982 Mar;8(2):136–7

Centrally mediated pressor response to metiamide as a result of GABA-receptor antagonism. Antonaccio MJ, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):369–72

A capillary gas-liquid chromatographic method for determination of ethylenethiourea and prophylenethiourea in hops, beer, and grapes. Nitz S, et al. **J Agric Food Chem** 1982 May-Jun;30(3):593–6

Increased pulmonary microvasuclar permeability induced by alpha-naphthylthiourea. Rutili G, et al. **J Appl Physiol** 1982 May;52(5):1316–23

Cyclic urea and thiourea derivatives as inducers of murine erythroleukemia differentiation. Li C, et al. **J Med Chem** 1981 Sep;24(9):1089–92

Preparation and antidiabetic activity of cyclic sulfonylthiourea derivatives. Soliman R, et al. **J Pharm Sci** 1981 Aug;70(8):952–6

Depression of neuromuscular function in the rat by chronic 2, 4-dithiobiuret treatment. Atchison WD, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):329–46

Effects of proglumide and metiamide on vagally stimulated gastric acid secretion in chickens. Nishimura M, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):283–8

Some observations on the activity of three antiseptics used as bladder irrigants in the treatment of urinary tract infection in patients with indwelling catheters. Stickler DJ, et al. **Paraplegia** 1981;19(6):325–33

Effects of histamine and antihistamines on the kinetics of carbon dioxide in the rat. Russell JC, et al. **Physiol Chem Phys** 1981;13(3):259–65

Effects of histamine receptor antagonists metiamide and cimetidine on antibody formation in vitro by murine cells. Friedman H, et al. **Proc Soc Exp Biol Med** 1982 Feb; 169(2):222–5

Systemic absorption of noxythiolin from the pleural cavity in man and in the rabbit. Rosenfeldt FL, et al. **Thorax** 1981 Apr;36(4):278–81

Dithiobiuret toxicity in the rat: evidence for latency and cumulative dose thresholds. Atchison WD, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):166–71

Identification of 1-methylthiourea as the metabolite of ethylenethiourea in rats by high-performance liquid chromatography. Kobayashi H, et al. **Toxicol Lett** 1982 Jul;12(2-3):109–13

Schistosoma mansoni: the effect of thiosinamine in vivo and in vitro. Popiel I, et al. **Trans R Soc Trop Med Hyg** 1981; 75(2):287–91

[Chemical structure and fungicidal activity of N-ethyl-N'-arylthiocarbamide derivatives] Vasilev G, et al. **Acta Microbiol Bulg** 1980;7:15–23 (Eng. Abstr.) **(Bul)**

[Treatment of diffuse peritonitis by Noxyflex lavages (author's transl)] Antoš F, et al. **Cesk Gastroenterol Vyz** 1981 May;35(3):127–32 (Eng. Abstr.) **(Cze)**

[Prevention of peritoneal adhesions. An experimental study using noxytiolin (author's transl)] Carbasse D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(5):425–9 (Eng. Abstr.) **(Fre)**

[A study of the action of Noxythiolin injected ' in situ' in the mucosa of the tube and in the peritoneum in the rabbit (author's transl)] Colau JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):761–4 (Eng. Abstr.) **(Fre)**

[Noxytioline in the local treatment of empyema (author's transl)] Migueres J, et al. **Nouv Presse Med** 1981 Nov 14; 10(41):3379–81 (Eng. Abstr.) **(Fre)**

[Control of the puerperium in swine under extremely shortened nursing conditions. 2. Effects of nonsteroid cycle blockers and gonadotropin on uterine involution and reproduction of sows with extremely shortened nursing or no nursing] Rummer HJ, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):115–28 (Eng. Abstr.) **(Ger)**

[H2-antihistaminics, VII: Synthesis and H2-antihistaminic activity of N,N'-substituted thioureas, cyanoguanidines and dithiooxamides (author's transl)] Barzen R, et al. **Arch Pharm (Weinheim)** 1981 Jul;314(7):617–22 (Eng. Abstr.) **(Ger)**

[A case of allergy to dibutylthiourea caused by diver's footgear (author's transl)] Foussereau J, et al. **Derm Beruf Umwelt** 1982;30(2):58–9 (Eng. Abstr.) **(Ger)**

[Fine structure of zonulae occludentes in endothelium of pulmonary alveolar capillary and alveolar epithelium and its changes following ANTU administration—freeze fracture study of rat lung (author's transl)] Kawakami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr; 20(4):434–8 (Eng. Abstr.) **(Jpn)**

[Pulmonary edema induced by alpha-naphthylthiourea—usual ultrastructural, immuno-electron microscopical and freeze fracture studies] Kawakami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Nov; 19(11):826–31 (Eng. Abstr.) **(Jpn)**

[Metabolism of thioureylene antithyroid drugs--particularly with relationship between intrathyroidal metabolism of the drugs and the mechanisms of action (author's transl)] Nakashima T. **Rinsho Byori** 1982 Feb;30(2):170–8 (16 ref.) **(Jpn)**

[Gutimine-induced increased resistance to hypoxia] Vinogradov VM, et al. **Patol Fiziol Eksp Ter** 1981 Jul-Aug; (4):81–5 (43 ref.) **(Rus)**

[Experimental basis for the use of isothiuronium derivatives as radioprotective compounds] Goloshchapova ZhA, et al. **Radiobiologiia** 1981;21(4):521–5 **(Rus)**

PHARMACODYNAMICS

Effect of thyroid hormones on the switch from larval to adult hemoglobin synthesis in the salamander Pleurodeles waltlii. Flavin M, et al. **Cell Differ** 1982 Jan;11(1):27–33

Protection by sodium thiosulfate and thiourea against lethal toxicity of cis-diamminedichloroplatinum (II) in bacteria and mice. Ishizawa M, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):883–9

Hydroxyl radical scavengers inhibit lymphocyte mitogenesis. Novogrodsky A, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1171–4

THIOURIDINE

ANALYSIS

Peroxidase-generated triplet indole-3-aldehyde adds to uridine bases and excites the 4-thiouridine group in t-RNAPhe. de Mello MP, et al. **Photochem Photobiol** 1982 Jul;36(1):21–4

BIOSYNTHESIS

Isolation of single-site Escherichia coli mutants deficient in thiamine and 4-thiouridine syntheses: identification of a nuvC mutant. Ryals J, et al. **J Bacteriol** 1982 Aug; 151(2):899–904

GENETICS

Roles of the relA(+) gene and of 4-thiouridine in near-ultraviolet (344 nm) radiation inhibition of induced synthesis of tryptophanase in Escherichia coli B/r. Sharma RC, et al. **Photochem Photobiol** 1981 Oct;34(4):529–33

The roles of the rel+ gene and of 4-thiouridine in killing and photoprotection of Escherichia coli by near-ultraviolet radiation. Tsai SC, et al. **Photochem Photobiol** 1981 Jun; 33(6):825–34

THIOXANTHENES

A controlled comparison of flupenthixol decanoate injections and oral amitriptyline in depressed out-patients. Tam W, et al. **Br J Psychiatry** 1982 Mar;140:287–91

ADMINISTRATION & DOSAGE

Clopentixol decanoate in the treatment of chronic alcoholism. Hochenegg L. **Acta Psychiatr Belg** 1981 Mar-Apr; 81(2):121–7

Once daily flupenthixol in the treatment of elderly depressed patients: a multi-centre trial in general practice. Vallé-Jones JC, et al. **Curr Med Res Opin** 1981;7(8):543–9

ADVERSE EFFECTS

A depot neuroleptic withdrawal study. A controlled study of the clinical effects of the withdrawal of depot fluphenazine decanoate and depot flupenthixol decanoate in chronic schizophrenic patients. Wistedt B.

Acta Psychiatr Scand 1981 Jul;64(1):65–84

Fatal liver toxicity due to hycanthone (Etrenol) in a patient with pre-existing liver disease: a case report. Mengistu M. **Ethiop Med J** 1982 Jul;20(3):145–7

Drug-induced parkinsonism [letter] White NJ, et al. **Lancet** 1982 Jul 10;2(8289):99

BLOOD

Serum concentrations of cis(Z)- and trans(E)-clopenthixol after administration of cis(Z)-clopenthixol and clopenthixol to human volunteers. Aaes-Jørgensen T. **Acta Psychiatr Scand [Suppl]** 1981;294:64–9

Serum levels of the isomers of clopenthixol in patients given cis(Z)-clopenthixol or cis(Z)/trans(E)-clopenthixol. Aaes-Jørgensen T, et al. **Acta Psychiatr Scand [Suppl]** 1981; 294:70–7

METABOLISM

Flupentixol and dopamine receptor selectivity [letter] Hyttel J. **Psychopharmacology (Berlin)** 1981;75(2):217

PHARMACODYNAMICS

Stereo-isomeric dissociation of the antibacterial and the neuroleptic effect of clopenthixol. Kristiansen JE, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):437–8

Irreversible blockade of striatal dopamine receptors in vivo by a derivative of alpha-flupenthixol. Schuster DI, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):313–6

Sex and drugs in Schistosoma mansoni. Mattoccia LP, et al. **J Parasitol** 1982 Apr;68(2):347–9

alpha-Flupenthixol increases slow-wave in rats: effect of dopamine receptor blockade. Fornal C, et al. **Neuropharmacology** 1982 Apr;21(4):323–5

POISONING

Flupenthixol poisoning in a child. Bailie GR, et al. **Drug Intell Clin Pharm** 1981 May;15(5):388

THERAPEUTIC USE

Fluphenazine and flupenthixol decanoate in psychiatric outpatients practice. Coufal J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):269–71

Flupenthixol decanoate in recurrent manic-depressive illness. A comparison with lithium. Ahlfors UG, et al. **Acta Psychiatr Scand** 1981 Sep;64(3):226–37

Cis(Z)-clopenthixol. The neuroleptically active isomer of clopenthixol. A presentation of five double-blind clinical investigations and other studies with cis(Z)-clopenthixol (Cisordinol, Clopixol). **Acta Psychiatr Scand [Suppl]** 1981; 294:1–77

A double-blind comparison of the effects of haloperidol and cis(Z)-clopenthixol in senile dementia. Götestam KG, et al. **Acta Psychiatr Scand [Suppl]** 1981;294:46–53

Cis(Z)-clopenthixol. The neuroleptically active isomer of clopenthixol. A presentation of five double-blind clinical investigations and other studies with cis(Z)-clopenthixol (Cisordinol, Clopixol). Gravem A, et al. **Acta Psychiatr Scand [Suppl]** 1981;294:5–12

Cis(Z)-clopenthixol and clopenthixol in the treatment of acute psychoses and exacerbations of chronic psychoses. A double-blind clinical investigation. Gravem A, et al. **Acta Psychiatr Scand [Suppl]** 1981;294:13–24

A double-blind clinical investigation of cis(Z)-clopenthixol and clopenthixol in chronic schizophrenic patients. Heikkilä L, et al. **Acta Psychiatr Scand [Suppl]** 1981; 294:25–9

Cis(Z)-clopenthixol and haloperidol in chronic schizophrenic patients--a double-blind clinical multicentre investigation. Heikkilä L, et al. **Acta Psychiatr Scand [Suppl]** 1981; 294:30–8

Neuroleptic treatment of oligophrenic patients. A double-blind clinical multicentre trial of cis(Z)-clopenthixol and haloperidol. Karsten D, et al. **Acta Psychiatr Scand [Suppl]** 1981;294:39–45

Open clinical study of cis(Z)-clopenthixol. Sechter D, et al. **Acta Psychiatr Scand [Suppl]** 1981;294:20–4

A report on the use of flupenthixol in the maintenance treatment of psychotic patients at Ibadan, Nigeria. Jegede RO, et al. **Afr J Psychiatr** 1981 Jan-Apr;7(1-2):21–4

Curative chemotherapy and resistance to reinfection in murine schistosomiasis. Andrade ZA, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):116–21

Platelet monoamine oxidase activity in acute schizophrenia: relationship to symptomatology and neuroleptic medication. Owen F, et al. **Br J Psychiatry** 1981 Jul; 139:16–22

A controlled comparison of flupenthixol decanoate injections and oral amitriptyline in depressed out-patients. Tam W, et al. **Br J Psychiatry** 1982 Mar;140:287–91

Platelet shape change in patients with psychiatric disorders and treated with phenothiazines, thioxanthines, butyrophenones, benzodiazepines, tricyclic antidepressants and beta-adrenergic blocking agents. Boullin DJ. **J Neural Transm** 1981;51(3–4):245–56

Clopenthixol decanoate in the treatment of chronic schizophrenic in-patients. Viswanathan R, et al. **Pharmatherapeutica** 1982;3(2):93–9

The antidepressant action of flupenthixol. Robertson MM, et al. **Practitioner** 1981 May;225(1355):761–3

[Depressive states, occurrence and treatment in family practice. Randomized study of the efficacy of maprotiline (Ludiomil) and flupenthixol (Fluanxol)] Sederberg-Olsen P, et al. **Ugeskr Laeger** 1981 May 25;143(22):1383–7 (Eng. Abstr.) **(Dan)**

[Night sleep study in chronic psychotics under long term flupenthixol treatment (author's transl)] Serbanescou T, et al. **Encephale** 1981;7(5):623–9 (Eng. Abstr.) **(Fre)**

[Treatment of pharmacotoxic psychoses with clopenthixol in patients with Parkinson's disease (author's transl)] Danielczyk W. **Wien Klin Wochenschr** 1981 Aug 7; 93(15):500–1 (Eng. Abstr.) **(Ger)**

THIRAM see under **THIOCARBAMATES**

THIRD PARTY PAYMENTS see **INSURANCE, HEALTH, REIMBURSEMENT**

THIRST

see related
DEHYDRATION
WATER DEPRIVATION

Water consumption and the effects of water restriction on performance of broilers in the tropics. Abdelsamie RE, et al. **Br Poult Sci** 1981 Sep;22(5):423–9

Polyuria and polydypsia in a horse induced by psychogenic salt consumption. Buntain BJ, et al. **Equine Vet J** 1981 Oct; 13(4):266–8

Altered osmotic threshold for vasopressin release and impaired thirst sensation: additional abnormalities in Kallmann's syndrome. Hochberg Z, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):779–82

Hypothalamic adipsia without demonstrable structural lesion. Hayek A, et al. **Pediatrics** 1982 Aug;70(2):275–8

Salt and caffeine intake in a 19-month-old child [letter] Rider PS. **Pediatrics** 1982 Apr;69(4):500

Complete reversal of chronic ethanol polydipsia by schedule withdrawal. Tang M, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):155–8

Iatrogenic water intoxication in psychogenic polydipsia. Davis JR, et al. **Scott Med J** 1981 Apr;26(2):148–9

DRUG EFFECTS

Dissociation of dipsogenic and pressor responses to chronic central angiotensin II in rats. Di Nicolantonio R, et al. **Am J Physiol** 1982 May;242(5):R498–504

Isoproterenol-induced thirst: renal and extrarenal mechanisms. Rettig R, et al. **Am J Physiol** 1981 Sep; 241(3):R152–7

Central injections of spiperone and GABA: attenuation of angiotensin II stimulated thirst. Jones DL, et al. **Can J Physiol Pharmacol** 1982 May;60(5):720–6

Hypotension and thirst in rats after phentolamine treatment. Hosutt JA, et al. **Physiol Behav** 1981 Sep;27(3):463–8

PHYSIOLOGY

Water regulation in weanling hypodipsic dorsomedial hypothalamic-lesioned rats. Bellinger LL, et al. **Am J Physiol** 1982 Mar;242(3):R285–95

Central dipsogenic effect of vasopressin. Szczepańska-Sadowska E, et al. **Am J Physiol** 1982 Mar; 242(3):R372–9

Hemodynamic, hormonal, and drinking responses to reduced venous return in the dog. Thrasher TN, et al. **Am J Physiol** 1982 Sep;243(3):R354–62

Physiological mechanisms for thirst in the nonhuman primate. Wood RJ, et al. **Am J Physiol** 1982 May;242(5):R423–8

Thirst and its disorders. Andersson B, et al. **Annu Rev Med** 1982;33:231–9

Suppression of thirst in dogs with arteriovenous fistula. Szczepanska-Sadowska E, et al. **Arch Int Physiol Biochim** 1981 Sep;89(3):269–73

Amygdalar noradrenergic and dopaminergic mechanisms in the regulation of hunger and thirst-motivated behavior. Lénárd L, et al. **Brain Res** 1982 Feb 4;233(1):115–32

Osmoregulatory thirst in sheep is disrupted by ablation of the anterior wall of the optic recess. McKinley MJ, et al. **Brain Res** 1982 Mar 18;236(1):210–5

Neural mechanisms for the functional coupling of autonomic, endocrine and somatomotor responses in adaptive behavior. Swanson LW, et al. **Brain Res** 1981 Aug;228(1):1–34 (194 ref.)

Dehydration and fluid balance: central effects of angiotensin. Phillips MI, et al. **Fed Proc** 1982 Jul;41(9):2520–7

Osmoreceptor mediation of thirst and vasopressin secretion in the dog. Thrasher TN. **Fed Proc** 1982 Jul;41(9):2528–32

Unstable osmoreceptors and defective thirst in hypothalamic hypopituitarism. Hochberg Z, et al. **Horm Res** 1981; 14(4):215–23

Response of growth-retarded, hypophagic-hypodipsic rats with dorsomedial hypothalamic lesions to a diet in liquid and powder forms. Bernardis LL, et al. **J Nutr** 1981 Dec; 111(12):2142–51

Enhancement of osmotic thirst elicited by electric stimulation of the limbic system in dogs. Szczepańska-Sadowska E, et al. **J Physiol (Paris)** 1981 Sep;77(6–7):671–4

Periventricular preoptic-hypothalamic lesions: effects on isoproterenol-induced thirst. Lind RW, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):563–5

Thirst in the rat after ligation of the inferior vena cava: role of angiotensin II. Mann JF, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):337–41

Vasopressin secretion in primary polydipsia and cranial diabetes insipidus. Baylis PH, et al. **Q J Med** 1981 Summer; 50(199):345–58

[Hypodypsia and selective dysfunction of osmoreceptors in the hypernatremia syndrome] Smitz S, et al. **C R Soc Biol (Paris)** 1981;175(6):874–81 (Eng. Abstr.) **(Fre)**

THOMSEN'S DISEASE see **MYOTONIA CONGENITA**

THORACIC ARTERIES

Internal mammary arteriovenous fistula after sternotomy. Maher TD, et al. **Arch Surg** 1982 Aug;117(8):1100–1

Iatrogenic internal mammary artery-to-innominate vein fistula: percutaneous nonsurgical closure. Keller FS, et al. **Chest** 1982 Feb;81(2):255–7

ABNORMALITIES

Syndrome of congenital internal mammary-to-pulmonary arteriovenous fistula associated with mitral valve prolapse. Robinson LA, et al. **Arch Surg** 1981 Oct;116(10):1265–73

INJURIES

Embolotherapy of a ruptured internal mammary artery secondary to blunt chest trauma. Smith DC, et al. **J Trauma** 1982 Apr;22(4):333–5

RADIOGRAPHY

Acquired internal mammary-to-coronary artery communication. Singh RN, et al. **Cathet Cardiovasc Diagn** 1982;8(3):281–5

Radiographic anatomy of the internal mammary arteries. Singh RN. **Cathet Cardiovasc Diagn** 1981;7(4):373–86

Internal mammary artery--coronary artery anastomosis. Influence of the side branches on surgical result. Singh RN, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):909–14

TRANSPLANTATION

Coronary artery surgery using inverted internal mammary artery. Goiti JJ, et al. **Br Heart J** 1982 Jul;48(1):81–2

Internal mammary graft: improved flow resulting from correction of steal phenomenon. Singh RN, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):146–9

Investigations on the morphophysiological basis of revascularization of the myocardium by the Vineberg method. Laky D, et al. **Morphol Embryol (Bucur)** 1981 Apr-Jun;27(2):177–80

THORACIC DISEASES

American Lung Association 78th annual meeting; American Thoracic Society 77th annual meeting; Congress of Lung Association Staff 70th annual meeting. May 15–18, 1982, Los Angeles, California. Abstracts. **Am Rev Respir Dis** 1982 Apr;125(4 Pt 2):1–295

Abstracts: XIV World Congress on Diseases of the Chest and the 48th Annual Scientific Assembly, American College of Chest Physicians. Toronto, October 10–15, 1982. **Chest** 1982 Aug;82(2):208–60

COMPLICATIONS

[Associated goitre and sarcoidosis : report on four cases including two with thyrotoxicosis (author'r transl)] Heim J, et al. **Ann Med Interne (Paris)** 1981;132(6):372–6 (Eng. Abstr.) **(Fre)**

[Thyroid disorders during sarcoidosis (author's transl)] Hugues JN, et al. **Ann Med Interne (Paris)** 1981; 132(6):367–71 (Eng. Abstr.) **(Fre)**

CONGENITAL

[Presternal bronchogenic cysts (author's transl)] Sánchez López-Tello C, et al. **An Esp Pediatr** 1981 Sep;15(3):289–92 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Thin needle aspiration cytology of benign intrathoracic lesions. Valicenti JF Jr, et al. **Acta Cytol (Baltimore)** 1981 Nov-Dec;25(6):659–64

Ultrasonically guided aspiration needle biopsy in disease of the chest. Izumi S, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):460–4

Extra-pulmonary manifestations of chest diseases. Ramaiah RS, et al. **Br J Clin Pract** 1981 Nov-Dec;35(11–12):412–4

Fine needle aspiration biopsy of intrathoracic lesions. Kamholz SL, et al. **NY State J Med** 1982 Apr;82(5):736–9

Indications for transbronchial lung biopsy in the diagnosis of intrathoracic sarcoidosis. Rohatgi PK, et al. **Respiration** 1981;42(3):155–60

Aspiration of thoracic masses and fluid collections under guidance of ultrasonography. Elyaderani MK, et al. **South Med J** 1982 May;75(5):536–9

[Segmentally thoracic pain in patients admitted to a coronary care unit] Bechgaard P. **Ugeskr Laeger** 1982 Jan 4; 144(1):13–5 (Eng. Abstr.) **(Dan)**

[Histologic and cytologic examination of bronchus and transbronchial lung biopsies at different stages of intrathoracic sarcoidosis] Leuenberger P, et al.

Schweiz Med Wochenschr 1981 Jan 17;111(3):98–101 (Eng. Abstr.) **(Fre)**

[Scalene node biopsy (author's transl)] Jakse R. **Laryngol Rhinol Otol (Stuttg)** 1981 Sep;60(9):496–99 (Eng. Abstr.) **(Ger)**

[Sonography of the thorax] Wimmer B, et al. **Rontgenpraxis** 1981;34(7):281–8 **(Ger)**

[Intravascular endothelial papillary hyperplasia] Servida E, et al. **Pathologica** 1981 Sep–Oct;73(1027):743–51 (Eng. Abstr.) **(Ita)**

[Intrathoracic lymphadenopathy in sarcoidosis—with special reference to frequency of affected region (author's transl)] Senoo Y, et al. **Rinsho Hoshasen** 1981 Feb;26(2):277–81 (Eng. Abstr.) **(Jpn)**

[Course of sarcoidosis in childhood, adolescence and young adulthood] Borisova NK, et al. **Pediatriia** 1982 Jan;(1):47–8 **(Rus)**

ETIOLOGY

Anterior chest wall abscess in a 29 year old woman [clinical conference] **Am J Med** 1981 Oct;71(4):719–28

Fibrosing uremic pleuritis complicated by thoracic empyema. McCabe TA, et al. **Arch Intern Med** 1982 Jul; 142(7):1369–70

Thoracic complications of amebiasis. Del Campo C, et al. **Can J Surg** 1982 Mar;25(2):119–21

[Intercostal hernia] Kramer WL, et al. **Ned Tijdschr Geneeskd** 1981 Oct 17;125(42):1706–9 (Eng. Abstr.) **(Dut)**

OCCURRENCE

[Study of 58 intrathoracic complications in 166 accidental or iatrogenic esophageal injuries] Besson A, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1602–7 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Systemic vascularization in thoracic pathology] Remy J. **Lille Med** 1981 Mar;26(3):129–30 **(Fre)**

[The clinical picture of intrathoracic meningocele (author's transl)] Krumbholz S, et al. **Z Erkr Atmungsorgane** 1981; 156(3):239–45 **(Ger)**

[Gas phlegmon of the neck and chest (author's transl)] Senkus J. **Otolaryngol Pol** 1981;35(4–6):371–4 **(Pol)**

RADIOGRAPHY

The azygous arch: normal and pathologic CT appearance. Smathers RL, et al. **AJR** 1982 Sep;139(3):477–83

The investigation of chest disease in children by high kilovoltage filtered beam radiography. Deanfield JE, et al. **Br J Radiol** 1981 Oct;54(646):856–60

Computed tomography of the thorax an important new diagnostic tool [editorial] Snider GL. **Chest** 1981 Nov; 80(5):527–9

Computed tomography in chest diseases. Raval B, et al. **CT** 1981 Jun;5(2):91–7

Application of computed tomography in differential diagnosis of radiographic opacities in the lower thorax and upper abdomen. Shin MS, et al. **CT** 1981 Dec;5(6):519–28

Radiographic interpretation with and without search: visual search aids the recognition of chest pathology. Swensson RG, et al. **Invest Radiol** 1982 Mar–Apr;17(2):145–51

Computed tomography of the chest wall, pleura, and pulmonary parenchyma in infants and children. Kirks DR, et al. **Radiol Clin North Am** 1981 Sep;19(3):421–9 (19 ref.)

[Thoraco-pelvi-phalangeal dysplasia, latent form of asphyxiating thoracic dysplasia. A clinical case (author's transl)] Sandomenico C, et al. **Ann Radiol (Paris)** 1981 Nov; 24(7):589–93 (Eng. Abstr.) **(Fre)**

[Computed tomography guided percutaneous aspiration and drainage of thoracic and abdominal fluid collections (author's transl)] Dondelinger R, et al. **J Radiol** 1982 Feb; 63(2):75–83 (Eng. Abstr.) **(Fre)**

[Chest x-ray, simple routine or diagnostic challenge? Special combination of conventional procedures prevents incorrect interpretations (author's transl)] Friedburg H, et al. **Radiologe** 1982 Jul;22(7):310–7 (Eng. Abstr.) **(Ger)**

[Procedure and purpose of thoracic radiology (author's transl)] St. Stender H. **Radiologe** 1982 Jul;22(7):291–9 (Eng. Abstr.) **(Ger)**

[Thoracic diagnosis, possibilities for interpretation and indications for informative examination procedures] Weigand H, et al. **Rontgenpraxis** 1981;34(11):437–47 **(Ger)**

SURGERY

[Thoracic surgery and respiration disorders during the last decade] Ribet M. **Lille Med** 1981 Mar;26(3):132–4 **(Fre)**

THERAPY

Percutaneous interventional catheter therapy for lesions of the chest and lungs. Keller FS, et al. **Chest** 1982 Apr; 81(4):407–12

[Pine moth (dendrolimus) disease of chest wall (author's transl)] He X. **Chung Hua Wai Ko Tsa Chih** 1982 Apr; 20(4):214–5 (Eng. Abstr.) **(Chi)**

THORACIC DUCT

Effect of plasma exchange and thoracic duct drainage on immunological status in glomerulonephritis. Bonomini V, et al. **Proc Eur Dial Transplant Assoc** 1981;18:736–42

Kidney transplantation in patients submitted to deliberate transfusions, to random transfusions, and to thoracic duct drainage. Betuel H, et al. **Transplant Proc** 1982 Jun; 14(2):276–8

[Autoradiographic investigations on the cell kinetics of crypt epithelial cells in rat jejunum following experimental thoracic duct blockade at the base of the neck (author's transl)] Cremer H, et al. **Pathol Res Pract** 1981 Jul; 172(1–2):148–60 (Eng. Abstr.) **(Ger)**

[Tritiated thymidine incorporation into the rat spleen and into lymphocytes of splenic arterial blood, splenic venous blood, and capillary blood following thoracic duct blockade (author's transl)] Cremer H, et al. **Pathol Res Pract** 1981 Dec;173(1–2):88–106 (Eng. Abstr.) **(Ger)**

[Experimental technic for obtaining lymph over a protracted period] Minnebaev MM, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):69–70 **(Rus)**

ABNORMALITIES

[Spontaneous chylopericardium. A case report (author's transl)] Galli R, et al. **G Ital Cardiol** 1982;11(11):1823–30 (36 ref.) (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

[On the topography of the ductus thoracicus in the dog (author's transl)] de Freitas V, et al. **Anat Anz** 1981; 149(5):451–4 **(Ger)**

[Ductographic study of the variants in thoracic duct structure] Rozhkova NI. **Khirurgiia (Mosk)** 1982 May; 5:26–9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Germinal centres and the B-cell system. V. Presence of germinal centre-precursor cells among lymphocytes of the thoracic duct in the rat. Gastkemper NA, et al. **Cell Tissue Res** 1981;219(2):281–9

IMMUNOLOGY

A search for an enriched source of polymeric IgA in human thoracic duct lymph, portal vein blood and aortic blood. Brown WR, et al. **Clin Exp Immunol** 1982 Apr;48(1):85–90

INJURIES

Chyle fistula management. Lucente FE, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):575–8

PHYSIOLOGY

Plasma apoliprotein A-I levels after thoracic duct drainage in the rat. Johansson B, et al. **FEBS Lett** 1981 Aug 3; 130(2):305–8

RADIOGRAPHY

Computed tomography of the thoracic duct: an anatomic study. Adler OB, et al. **Cardiovasc Intervent Radiol** 1981; 4(4):224–8

[Frequency and ways of filling lymph nodes above the diaphragm with contrast medium during anterograde lymphography of the thoracic duct] Chepelenko GV, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):41–9 (Eng. Abstr.) **(Rus)**

SURGERY

Short-term thoracic duct drainage in drug resistant immunologically mediated glomerulonephritis. Evaluation of lymph and blood lymphocyte characteristics during drainage. Stefoni S, et al. **Clin Nephrol** 1981 Dec; 16(6):300–6

Canine thoracic duct cannulation revisited. Briscoe DE. **Lymphology** 1981 Mar;14(1):32–4

Maintenance of long-term thoracic duct fistulas for the achievement of immunosuppression in man. Machleder HI, et al. **Lymphology** 1981 Jun;14(2):77–80

[Anastomosis of thoracic duct to internal jugular vein for ascites due to late hepatic cirrhosis: report of 8 cases (author's transl)] Chen B. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):530–2 (Eng. Abstr.) **(Chi)**

[The effect of lymphovenous anastomosis in the ascitic type of liver cirrhosis] Nahodil V, et al. **Rozhl Chir** 1981 Jul; 60(7):467–71 (Eng. Abstr.) **(Cze)**

[Surgical approaches to the thoracic duct] Ibatullin IA. **Khirurgiia (Mosk)** 1982 Feb;(2):48–52 (Eng. Abstr.) **(Rus)**

[Thoracic duct drainage in the complex treatment of diffuse suppurative peritonitis] Toritsin AA. **Khirurgiia (Mosk)** 1981 Aug;(8):17–22 (Eng. Abstr.) **(Rus)**

[Indicators of immunity in nonspecific ulcerative colitis after drainage of the thoracic duct] Kharaberiush VA, et al. **Klin Med (Mosk)** 1981 Feb;59(2):41–4 (Eng. Abstr.) **(Rus)**

[Drainage of the thoracic lymphatic duct and lymphosorption in the combined treatment of obstruction of the bile ducts and liver failure] Shalimov SA, et al. **Vestn Khir** 1982 Feb; 128(2):24–9 (Eng. Abstr.) **(Rus)**

[Thoracic duct drainage with lymphosorption in the combined treatment of serum hepatitis] Pashkevich VI, et al. **Voen Med Zh** 1981 Sep;(9):59–60 **(Rus)**

THORACIC INJURIES

BLOOD

Effects of blunt chest wall impact on the blood gases in the anaesthetized rabbit. Göransson AM, et al. **Acta Chir Scand [Suppl]** 1982;508:153–8

COMPLICATIONS

Nasogastric tube displacement in acute traumatic rupture of the thoracic aorta: a postmortem study. Wales LR, et al. **AJR** 1982 May;138(5):821–3

Pedunculated right ventricular thrombus due to repeated blunt chest trauma. Kessler KM, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1064–6

Traumatic splenic rupture adjacent to a subcostal cardiac pacemaker. Drinka P, et al. **Ann Emerg Med** 1981 Dec; 10(12):645–7

Respiratory failure after chest injury: the development of effective treatment. James OF, et al. **Ann R Coll Surg Engl** 1982 Jul;64(4):253–5

Severity of intrathoracic injuries associated with first rib fractures. Albers JE, et al. **Ann Thorac Surg** 1982 Jun; 33(6):614–8

Anterior spinal artery syndrome with chronic traumatic aortic aneurysm. Conti VR, et al. **Ann Thorac Surg** 1982 Jan;33(1):81–5

Double disruption of an innominate artery secondary to blunt trauma. Thieman KC, et al. **Ann Thorac Surg** 1982 Mar; 33(3):285–9

Isolated first rib fracture: clinical significance after blunt chest trauma. Yee ES, et al. **Ann Thorac Surg** 1981 Sep; 32(3):278–83

Roentgenogram of the month. Esophageal displacement secondary to blunt chest trauma. Traumatic transection of the descending thoracic aorta. Brandt B 3d, et al. **Chest** 1982 Jan;81(1):99–100

Experimental traumatic asphyxia (2)—observations on the pulmonary blood vessels. Furuya Y. **Igaku Kenkyu** 1981 Apr;51(2):120–2

Experimental traumatic asphyxia (1)—grades of thoracic compression and mortality. Furuya Y. **Igaku Kenkyu** 1981 Apr;51(2):117–9

Pneumothorax of late onset after chest stabbing [letter] van der Spuy JW, et al. **Injury** 1981 May;12(6):514–5

Myocardial contusion in blunt chest trauma: a ten-year review. Macdonald RC, et al. **Intensive Care Med** 1981; 7(6):265–8

Traumatic bronchus rupture. Gunawan OH, et al. **J Belge Radiol** 1981;64(2):197–8

Thoracic spine injuries with spinal cord damage. Bedbrook G, et al. **J R Coll Surg Edinb** 1981 Sep;26(5):264–71

Traumatic tracheoesophageal fistula [letter] Martyn JW. **J Thorac Cardiovasc Surg** 1982 May;83(5):790–1

Acute coronary artery occlusion secondary to blunt chest trauma. Pifarré R, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):122–5

Shotgun pellet embolization from the chest to the middle cerebral arteries. Alsofrom DJ, et al. **J Trauma** 1982 Feb; 22(2):155–7

Delayed costocervical trunk aneurysm. Mintz S, et al. **J Trauma** 1982 Jun;22(6):519–20

Acute respiratory failure in severe blunt chest trauma. Pinilla JC. **J Trauma** 1982 Mar;22(3):221–6

Embolotherapy of a ruptured internal mammary artery secondary to blunt chest trauma. Smith DC, et al. **J Trauma** 1982 Apr;22(4):333–5

Management of asymptomatic patients following stab wounds to the chest. Weigelt JA, et al. **J Trauma** 1982 Apr; 22(4):291–4

Permanent flaccid paraplegia in children with thoracic spinal cord injury. Boltshauser E, et al. **Paraplegia** 1981; 19(4):227–34

Gastrobronchial fistula 36 years after thoracic trauma. Howard TP, et al. **South Med J** 1982 Jun;75(6):751–2

Emergency surgical repair of massive mitral regurgitation due to ruptured chordae tendineae by blunt chest trauma. Araki J, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):46–7

Late respiratory sequelae of blunt chest injury: a preliminary report. Hanning CD, et al. **Thorax** 1981 Mar;36(3):204–7

[Traumatic wet lung (author's transl)] Li LQ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):261–3 **(Chi)**

[Chest injuries: report of 2^1 cases (author's transl)] Qiu NY. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):123–5 **(Chi)**

[Blunt chest injuries] Vyhnánek F. **Rozhl Chir** 1982 Jun; 61(6):425–31 (Eng. Abstr.) **(Cze)**

[Right atrial rupture caused by closed chest injury] Teijeira FJ, et al. **Arch Mal Coeur** 1982 Jul;75(7):811–5 (Eng. Abstr.) **(Fre)**

[Subclavian artery rupture during closed thoracobrachial injuries. Report on eleven cases (author's transl)] Kretz JG, et al. **J Mal Vasc** 1981;6(2):107–9 (Eng. Abstr.) **(Fre)**

[Intercostal pulmonary hernia] Jaubert de Beaujeu M, et al. **Pediatrie** 1982 Mar;37(2):133–5 (Eng. Abstr.) **(Fre)**

[Intensive care for adult respiratory distress syndrome (ARDS) after severe chest trauma—a two-years experience (author's transl)] Merlini M, et al. **Praxis** 1982 Mar 9; 71(10):415–2 (Eng. Abstr.) **(Fre)**

[The blunt chest injury and its lung, pleura and chest wall

complications] Labitzke R, et al. **Med Welt** 1981 Sep 4; 32(36):1314–6 **(Ger)**

[Intact coronary vessels with a left ventricular aneurysm of probable traumatic origin in a 20–year–old man] Permutti B, et al. **Boll Soc Ital Cardiol** 1980;25(7):817–28 (Eng. Abstr.) **(Ita)**

[Cardiac lesions caused by non–penetrating thoracic injuries] Bruno L, et al. **G Ital Cardiol** 1981;11(7):996–1008 **(Ita)**

[Traumatic mitral insufficiency secondary to ruptured chordae tendineae. Discussion of one case (author's transl)] Floris B, et al. **G Ital Cardiol** 1982;11(11):1831–4 (Eng. Abstr.) **(Ita)**

[Heart rupture in closed chest injury. Presentation of a favorably resolved clinical case] Liguori L, et al. **Minerva Cardioangiol** 1981 Dec;29(12):735–42 (Eng. Abstr.) **(Ita)**

[Closed injuries of the thorax. Post–traumatic pulmonary hematoma] Scaramuzzino E, et al. **Minerva Chir** 1982 Apr 30;37(8):713–24 (Eng. Abstr.) **(Ita)**

[Surgical treatment of aortic rupture due to closed–chest trauma (author's transl)] Kawada T, et al. **Kyobu Geka** 1982;35(3):188–92 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of traumatic aneurysm of the thoracic aorta (author's transl)] Yamada O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Dec; 29(12):1948–54 (Eng. Abstr.) **(Jpn)**

[Pulmonary hematoma due to blunt, nonpenetrating chest injury: report of three cases and reported cases in the Japanese literature (author's transl)] Watanabe S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jun; 19(6):375–81 (Eng. Abstr.) **(Jpn)**

[Traumatic hematothorax (author's transl)] Kaftandžiev D. **God Zb Med Fak Skopje** 1979 Jan;25:313–7 (Eng. Abstr.) **(Mac)**

[Nonpenetrating thoracic injury – myocardial contusion. Report of 2 cases] Albanesi Filho FM, et al. **Arq Bras Cardiol** 1981 May;36(5):353–6 (Eng. Abstr.) **(Por)**

[Intraventricular communication following closed chest injury–report of a case] Pereira R, et al. **Arq Bras Cardiol** 1981 Jun;36(6):423–6 (Eng. Abstr.) **(Por)**

[Closed ruptures of the diaphragm and their sequelae] Vasiutkov VIa, et al. **Grudn Khir** 1981 Sep–Oct;(5):62–6 (Eng. Abstr.) **(Rus)**

[Mechanism of lung injury in closed chest injuries] Get'man VG. **Vestn Khir** 1982 Mar;128(3):113–5 **(Rus)**

[Myocardial infarct after blunt chest injury] Numić N, et al. **Med Arh** 1981;35(5–6):261–5 **(Scr)**

[Traumatic asphyxia in a 16–month–old child] Murgaš I. **Rozhl Chir** 1981 Oct;60(10):702–4 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

A retrospective review of 89 stab wounds to the abdomen and chest. Donaldson LA, et al. **Br J Surg** 1981 Nov; 68(11):793–6

[Traumatic rupture of the diaphragm. An unusual case of diagnosis delayed 25 days because of artificial ventilation] Arendrup H, et al. **Ugeskr Laeger** 1981;143(34):2152–3 (Eng. Abstr.) **(Dan)**

[Diagnostic and treatment of thoraco–abdominal injuries] Sidorov VP, et al. **Vestn Khir** 1981 Sep;127(9):75–8 **(Rus)**

[Ultrasonic diagnosis of chest injuries] Tsurupa DI, et al. **Vestn Khir** 1982 Mar;128(3):99–103 (Eng. Abstr.) **(Rus)**

[Use of thoracoscopy in chest injuries] Aleksandrov PV. **Voen Med Zh** 1981 Sep;(9):60–1 **(Rus)**

ECONOMICS

Penetrating wounds to the chest and abdomen. Williams RE, et al. **Coll Works Cardiopulm Dis** 1982 May;23:6–9

ETIOLOGY

Fatal chest injury caused by a vitrified (grindstone) wheel. Wentworth P, et al. **J Trauma** 1982 May;22(5):434

OCCURRENCE

Impact of speed limit. I. Chest injuries, review of 966 cases. Alyono D, et al. **J Thorac Cardiovasc Surg** 1982 Apr; 83(4):519–22

[Epidemiology of thoracic injuries (author's transl)] Franke A, et al. **Zentralbl Chir** 1981;106(13):882–95 (Eng. Abstr.) **(Ger)**

[Thoracic and abdominal trauma in children: study of 122 cases (author's transl)] Martínez Ibáñez V, et al. **An Esp Pediatr** 1981 Dec;15(6):527–34 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Homicide by exploder ammunition. Amatuzio JC, et al. **Am J Forensic Med Pathol** 1981 Jun;2(2):111–3

Experimental traumatic asphyxia (3) –light microscopic findings on the lungs. Furuya Y, et al. **Igaku Kenkyu** 1981 Jul;51(3):152–4

Experimental traumatic asphyxia (4)––observations on the pulmonary alveoli. Furuya Y, et al. **Igaku Kenkyu** 1981 Oct;51(4):201–6

[Crushing of the chest in children] Bachu GS. **Sud Med Ekspert** 1982 Apr–Jun;25(2):14–6 **(Rus)**

[Localization of rib fractures in repeated compression and combined injury to the chest] Klevno VA, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):16–9 **(Rus)**

[Reflex arrest of the heart as a possible cause of death in blunt chest trauma] Kustanovich SD, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):20–2 **(Rus)**

[Rare thoraco–abdominal wound] Gostev VS. **Vestn Khir** 1982 Feb;128(2):83–4 **(Rus)**

PHYSIOPATHOLOGY

[Lung function after thoracic trauma. A contribution to the assessment of late functional lesions (author's transl)] Braun U, et al. **Anaesthesist** 1981 Dec;30(12):595–601 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Nasogastric tube displacement to the right as a sign of acute traumatic rupture of the thoracic aorta. Cole DC, et al. **Ann Emerg Med** 1981 Dec;10(12):623–6

Indications for aortography in blunt thoracic trauma: a reassessment. Gundry SR, et al. **J Trauma** 1982 Aug; 22(8):664–71

Computed tomography of chest trauma. Toombs BD, et al. **Radiology** 1981 Sep;140(3):733–8

The right paratracheal stripe in blunt chest trauma. Woodring JH, et al. **Radiology** 1982 Jun;143(3):605–8

[Some problems in X–ray signs of chest injury (author's transl)] Liu CZ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):256–7 **(Chi)**

[Chest injury] Strada C, et al. **Radiol Med (Torino)** 1982; 68(3):191–3 **(Ita)**

[Pleural and pulmonary changes in thoracic injuries] Pardon R, et al. **Acta Med Iugosl** 1982;36(2):145–57 (Eng. Abstr.) **(Scr)**

SURGERY

Cervicomediastinal injuries following blunt trauma. Richardson JD, et al. **Am Surg** 1982 Apr;48(4):141–4

Emergency department thoracotomy. Flynn TC, et al. **Ann Emerg Med** 1982 Aug;11(8):413–6

Tracheostomy in the management of chest injuries: its use and complications. James OF, et al. **Aust NZ J Surg** 1981 Dec;51(6):598–602

A denuded 'turn–over' deltopectoral flap combined with a latissimus dorsi myocutaneous flap in the repair of extensive radionecrosis of the chest wall. Tomono T, et al. **Br J Plast Surg** 1982 Jan;35(1):63–6

Systemic air embolism following manual lung inflation. Tracey JA, et al. **Can Anaesth Soc J** 1982 May;29(3):272–4

Internal costal fixation of fractured ribs in a 6–year–old patient. Manzano JL, et al. **Crit Care Med** 1982 Jan; 10(1):67–8

Impalement injury by a tree branch from rectum to right nipple. Lear GH, et al. **Injury** 1981 May;12(6):495–8

Diagnostic transdiaphragmatic pericardiotomy in thoracoabdominal trauma. Garrison RN, et al. **J Trauma** 1982 Feb;22(2):147–9

Transfixion injury of the chest. Wood AE. **J Trauma** 1982 May;22(5):432–3

Empyema thoracis after combat wounds. Fagarason LA. **Milit Med** 1982 Jun;147(6):471–8

Penetrating injuries of chest. Stab and gunshot wounds. Mehta DR. **NY State J Med** 1982 Mar;82(3):309–11

Use of the island tensor fasciae latae flap to cover a chest–wall defect. Katsaros J. **Plast Reconstr Surg** 1982 Jun;69(6):1007–9

Stabilization of flail chest by compression osteosynthesis––experimental and clinical results. Hellberg K, et al. **Thorac Cardiovasc Surg** 1981 Oct;29(5):275–81

Impalement wound of the chest. Grossi A, et al. **Thorax** 1981 Dec;36(12):952–3

[Case of severe thoracic and abdominal trauma with flail chest and traumatic spigelian hernia] Belev N, et al. **Khirurgiia (Sofiia)** 1981;34(4):379–81 **(Bul)**

[Rare penetrating injuries of the thorax] Trnka J, et al. **Rozhl Chir** 1981 Aug;60(8):564–7 (Eng. Abstr.) **(Cze)**

[Penetrating thoracic and abdominothoracic wounds. Results of treatment in 221 cases (author's transl)] Andreassian B, et al. **J Chir (Paris)** 1982 Jan;119(1):3–11 (Eng. Abstr.) **(Fre)**

[Costal stapling in severe thoracic traumas (author's transl)] Martin P, et al. **Nouv Presse Med** 1982 Mar 6;11(11):851–4 (Eng. Abstr.) **(Fre)**

[Chest injuries] Streicher HJ. **Langenbecks Arch Chir** 1981; 355:341–5 (Eng. Abstr.) **(Ger)**

[Primary open 'two–cavity' injuries. Treatment and course of a typical case (author's transl)] Paar O, et al. **Unfallheilkunde** 1982 Mar;85(3):116–9 (Eng. Abstr.) **(Ger)**

[Early thoracotomy and chest wall stabilization with elastic rib clamps (author's transl)] Labitzke R. **Zentralbl Chir** 1981;106(20):1351–9 (Eng. Abstr.) **(Ger)**

[Thoracotomy as an emergency procedure] Klausner JM, et al. **Harefuah** 1981 Mar 1;100(5):227–8 (Eng. Abstr.) **(Heb)**

[Use of blood reinfusions in thoracic surgery] Gilevich IuS, et al. **Grudn Khir** 1981 Sep–Oct;(5):52–6 (Eng. Abstr.) **(Rus)**

[Surgical treatment of defects of the chest wall] Kabanov AN, et al. **Grudn Khir** 1982;1:71–4 **(Rus)**

[Principles of diagnosis and management in emergency surgery of nonpenetrating chest injuries] Riabtsev VG, et al. **Grudn Khir** 1982 Mar–Apr;(2):5–11 **(Rus)**

[Surgical tactics in multiple bilateral penetrating thoracic and abdominal injuries] Babichev SI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):63–6 (Eng. Abstr.) **(Rus)**

[Blood reinfusion in emergency surgery] Mil'kov BO, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):100–1 **(Rus)**

[Surgical treatment of chest wounds] Marchuk IK. **Klin Khir** 1981 Oct;(10):42–4 (Eng. Abstr.) **(Rus)**

[Treatment results in penetrating chest wounds] Shchiglik GM, et al. **Klin Khir** 1981 Oct;(10):44–5 **(Rus)**

THERAPY

The diagnostic usefulness of peritoneal lavage in penetrating trauma: a prospective evaluation and comparison with blunt trauma. Gruenberg JC, et al. **Am Surg** 1982 Aug; 48(8):402–7

Thoracic injuries. Bertelsen S, et al. **Ann Chir Gynaecol** 1981; 70(5):237–50 (33 ref.)

Chest injuries in a district general hospital [letter] **Ann R Coll Surg Engl** 1982 Jul;64(4):281–3

Chest injuries in a district general hospital. Thompson GA, et al. **Ann R Coll Surg Engl** 1982 Mar;64(2):117–20

Acute management of cardiothoracic trauma. Kay HR. **Conn Med** 1981 Sep;45(9):547–50

Epidural analgesia or mechanical ventilation for multiple Rib fractures? Dittmann M, et al. **Intensive Care Med** 1982 Mar; 8(2):89–92

Management of flail chest by intermittent positive pressure respiration (IPPR). Nadkarni KM, et al. **J Postgrad Med** 1981 Apr;27(2):120–2, 122A

Flail chest. Kaunitz VH. **J Thorac Cardiovasc Surg** 1981 Sep; 82(3):463

Conservative management of blunt chest trauma. Linton DM, et al. **S Afr Med J** 1982 Jun 12;61(24):917–9

High–velocity missile injuries of the thorax. Nicolaou N, et al. **S Afr Med J** 1982 Aug 28;62(10):324–8

Thoracic trauma in children. Eichelberger MR, et al. **Surg Clin North Am** 1981 Oct;61(5):1181–97 (60 ref.)

Thoracic trauma. Lewis FR. **Surg Clin North Am** 1982 Feb; 62(1):97–104

[Management of a multi–injured patient with severe closed chest injuries] Latarjet J. **Ann Anesthesiol Fr** 1981; 22(6):601–12 **(Fre)**

[Compared results of flail chests treatments : standard internal pneumatic stabilization, new technics of assisted ventilation, osteosynthesis (author's transl)] Kim M, et al. **J Chir (Paris)** 1981 Sep;118(8–9):499–503 (Eng. Abstr.) **(Fre)**

[Acute thoracic trauma. Assessment and emergency management (author's transl)] Thetter O. **MMW** 1982 Apr 9;124(14):339–42 (Eng. Abstr.) **(Ger)**

[Management of blunt chest trauma (author's transl)] Pinter H, et al. **Zentralbl Chir** 1981;106(16):1049–54 (Eng. Abstr.) **(Ger)**

[Treatment of chest injuries in intensive care. Critical review of 54 clinical cases] Preseglio I, et al. **Minerva Anestesiol** 1981 Nov;47(11):751–60 (Eng. Abstr.) **(Ita)**

[Clinical and statistical observations on closed chest injuries] Seveso M, et al. **Minerva Anestesiol** 1981 Nov; 47(11):801–12 (Eng. Abstr.) **(Ita)**

[Structure and characteristics of closed chest injuries] Mikhelson MO, et al. **Ortop Travmatol Protez** 1982 Jan; (1):11–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Penetrating thoracic wound in a Hackney mare. Burbidge HM. **Equine Vet J** 1982 Jan;14(1):94–5

THORACIC NEOPLASMS

BLOOD SUPPLY

[Arteriography in selected cases of malignant soft tissue tumors] Boroń Z, et al. **Nowotwory** 1981;31(2):137–9 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Thoracic soft–tissue sarcoma in Vietnam veterans exposed to Agent Orange [letter] Sarma PR, et al. **N Engl J Med** 1982 May 6;306(18):1109

[Benign symmetric lipomatosis and chronic alcoholism with neurological complications: two cases (author's transl)] Berlit P, et al. **Nervenarzt** 1982 Mar;53(3):168–71 **(Ger)**

COMPLICATIONS

A thoracic benign mesenchymoma in association with hemihypertrophy. Majeski JA, et al. **Am J Clin Pathol** 1981 Dec; 76(6):827–32

Myeloblastoma and acute myelogenous leukemia: presentation with a cervical neuropathy and complete response to chemotherapy. Mazur EM, et al. **Cancer** 1982 Feb 15;49(4):637–9

Intrathoracic and Intraspinal Chondrosarcoma. Ciappetta P, et al. **Neurochirurgia (Stuttg)** 1982 Jan;25(1):24–6

Cervical radiculopathy caused by lipoma. Patient with multiple congenital skeletal anomalies and intraspinal and intrathoracic lipomas. Rao N, et al. **NY State J Med** 1982 Feb;82(2):222–5

Neuroblastoma and Hirschsprung's disease. Carachi R, et al. **Z Kinderchir** 1982 Jan;35(1):24–5

[Indications of analgesia with absolute alcohol or phenol for intractable pain in thoracic and abdominal cancerous pathology (author's transl)] Wilkening M, et al. **Anesth Analg (Paris)** 1981;38(7–8):365–8 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Lipoblastoma in infants and children. Stringel G, et al. **J Pediatr Surg** 1982 Jun;17(3):277–80

Aspiration of thoracic masses and fluid collections under guidance of ultrasonography. Elyaderani MK, et al. **South Med J** 1982 May;75(5):536–9

[Diagnostic difficulties and the treatment of sternal tumors] Kolarov I, et al. **Khirurgiia (Sofiia)** 1981;34(4):336–9 (Eng. Abstr.) **(Bul)**

[Intrathorac c lipoma. Case report] Contini SA, et al. **Acta Biomed Ateneo Parmense** 1982;53(1):7–9 **(Ita)**

[Extraosseous tumor uptake of 99m technetium methylendiphosphonate in children with neuroblastoma (author's transl)] Mancini AF, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):535–9 **(Ita)**

[Malignant intrathoracic tumors studied at the Clinic for Pulmonary Diseases in Kasindol from 1971 to 1980] Abramović M, et al. **Med Arh** 1981;35(4):199–206 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598–604

PATHOLOGY

Neonatal chest wall hamartoma. Tan KL, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):557–61

Vascular spindle cell lipoma. Warkel RL, et al. **J Cutan Pathol** 1982 Apr;9(2):113–8

Recurring thoracal mesenchymoma. Ionescu J, et al. **Morphol Embryol (Bucur)** 1982 Apr–Jun;28(2):163–71

CT-assisted fluoroscopically guided aspiration biopsy of central hilar and mediastinal masses. Gobien RP, et al. **Radiology** 1981 Nov;141(2):443–7

[Difficulties in the pathological diagnosis of Garre's neurinoma (glandular schwannoma (author's transl)] Paillas J, et al. **Sem Hop Paris** 1982 Jun 24;58(25):1551–4 (Eng. Abstr.) **(Fre)**

[Histopathological features of neoplasms of the neuroblastoma group after complex antineoplastic treatment] Liebhart M. **Patol Pol** 1981;32(3):395–407 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Thoracic spinal cord ependymoma presenting with ejaculatory failure. Case report. Berciano J, et al. **J Neurosurg** 1982 Jan;56(1):143–4

RADIOGRAPHY

Effectiveness of CT in evaluating intrathoracic masses. Sones PJ Jr, et al. **AJR** 1982 Sep;139(3):469–75

CT diagnosis of venous pseudotumors in the chest and abdomen. Wolverson MK, et al. **Cardiovasc Intervent Radiol** 1981;4(3):151–7

Computed tomography in the evaluation of chest lesions in the pediatric patient. Ginaldi S, et al. **CT** 1981 Dec; 5(6):511–8

Computed tomography in hourglass thoracic lipoma in a child. Thomas MA, et al. **CT** 1981 Mar;5(1):36–7

Computed tomography in space-occupying lesions in the thoracic area. Felix R, et al. **Eur J Radiol** 1981 Nov; 1(4):345–7

Thoracic fatty lesions - some usual and unusual appearances. Chalaoui J, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):197–201

[The value of computed tomography in the assessment of thoracic mesothelioma (author's transl)] Dabouis G, et al. **Rev Fr Mal Respir** 1981;9(3):257–63 (Eng. Abstr.) **(Fre)**

[Chondrosarcoma of the chest wall] Knitelius H, et al. **ROFO** 1982 May;136(5):597–8 **(Ger)**

[X-ray or sonography? – using mesotheliomas as an example] Wimmer B, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Oct;31(10):392–7 **(Ger)**

[Clinical studies on computed tomography (CT) in the diagnosis of lung cancer, mediastinal and thoracic wall tumors (author's transl)] Hirata Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1054–72 **(Jpn)**

[Computed tomography in radiotherapy (author's transl)] **Rinsho Hoshasen** 1981 Jul;26(7):813–4 **(Jpn)**

[Thoracic radiology in the diagnosis of asymptomatic neoplasms of the urinary tract (author's transl)] Ivanovi-Herceg Z, et al. **Lijec Vjesn** 1981 Sep;103(9):395–9 (Eng. Abstr.) **(Scr)**

RADIONUCLIDE IMAGING

Bone marrow scan and radioiron uptake of an intrathoracic mass. Stebner FC, et al. **Clin Nucl Med** 1982 Feb;7(2):86–7

RADIOTHERAPY

Use of variable thickness bolus to control electron beam penetration in chest wall irradiation. Archambeau JO, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):835–42

Radiation therapy in the management of patients with mesothelioma. Gordon W Jr, et al. **Int J Radiat Oncol Biol Phys** 1982 Jan;8(1):19–25

Center-blocked field technique for treatment of extensive chest wall disease. Podgorsak EB, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1465–71

[Myocardial scintigraphy with technetium-99m diphosphonate following radiation therapy of the thoracic area (author's transl)] Neumann G, et al. **Radiol Diagn (Berl)** 1981;22(5):690–6 (Eng. Abstr.) **(Ger)**

SECONDARY

Role of chemotherapy and surgery in the treatment of thoracic metastases from nonseminomatous germ cell testis tumor. Vugrin D, et al. **Cancer** 1982 Sep 15;50(6):1057–60

SURGERY

Surgical management and reconstruction of extensive chest wall malignancies. Ramming KP, et al. **Am J Surg** 1982 Jul;144(1):146–52

Mobilization of both breasts for reconstruction of a midline anterior chest wall defect. Tsur H, et al. **Ann Plast Surg** 1982 Apr;8(4):314–7

Immediate reconstruction of full-thickness chest wall defects. Boyd AD, et al. **Ann Thorac Surg** 1981 Oct;32(4):337–46

Repair of large chest wall defects: experience with 23 patients. Eschapasse H, et al. **Ann Thorac Surg** 1981 Oct; 32(4):329–36

Radiation-induced soft-tissue fibrosarcoma: surgical therapy and salvage. O'Neil MB Jr, et al. **Ann Thorac Surg** 1982 Jun;33(6):624–8

An appraisal of en bloc resection of peripheral bronchogenic carcinoma involving the thoracic wall. Paone JF, et al. **Chest** 1982 Feb;81(2):203–7

Progress in resection of the chest wall for tumor with reminiscences of Dr. Blalock. Ravitch MM. **Johns Hopkins Med J** 1982 Aug;151(2):43–53

Chondromyxoid fibroma of the chest wall in an infant. Yamazaki Y, et al. **Jpn J Surg** 1981;11(6):460–3

Reconstruction of the thoraco-abdominal wall by plication of the diaphragm and application of a fascia lata patch following demolition for sarcoma. Caironi C, et al. **Panminerva Med** 1981 Jan–Mar;23(1):29–32

Haemangiosarcoma of the chest wall. Vaughan R, et al. **Thorax** 1982 Mar;37(3):222–3

[Giant size tumor in thoracic cage: a case report (author's transl)] Fan T. **Chung Hua Wai Ko Tsa Chih** 1982 Feb; 20(2):87–8 (Eng. Abstr.) **(Chi)**

[Recurrence prophylaxis after surgical treatment of endothoracic struma] Hartel E, et al. **MMW** 1981 Nov 6; 123(45):1711–2 **(Ger)**

[Benign tumors of the chest wall] Rivas Martín J, et al. **Rev Clin Esp** 1981 Dec 31;163(6):377–80 (Eng. Abstr.) **(Spa)**

[Anaesthesia and resucitation in a case of inadvertent pheochromocytoma in an atypical location (author's transl)] Ramos F, et al. **Rev Esp Anestesiol Reanim** 1982 Jan;29(1):34–9 (Eng. Abstr.) **(Spa)**

THERAPY

[Intrathoracic neurogenic tumors. Treatment and results. 78 cases in children (author's transl)] Lemoine G, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):127–31 (Eng. Abstr.) **(Fre)**

THORACIC NERVES

Subtotal spinal anaesthesia as a complication of intrathoracic intercostal nerve blocks. Chester SC, et al. **Anaesth Intensive Care** 1981 Nov;9(4):387–9

Hypotension after intercostal nerve block [letter] **Br J Anaesth** 1981 Nov;53(11):1235–7

Congenital primitive neuroectodermal tumor (neuroepithelioma) of the chest wall. Das L, et al. **Med Pediatr Oncol** 1982;10(4):349–58

ANATOMY & HISTOLOGY

Anatomy of the intercostal nerve: its importance during thoracic surgery. Moore DC. **Am J Surg** 1982 Sep; 144(3):371–3

[Anatomical study of the twelfth intercostal nerve and oblique lumbotomies (author's transl)] Aubert J, et al. **J Urol (Paris)** 1981;87(5):283–9 (Eng. Abstr.) **(Fre)**

INJURIES

[Syndrome of anterior thoracic nerve injuries-a report of 14 cases (author's transl)] Shen DG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun; 12(2):97–9 **(Chi)**

[Galactorrhea secondary to sternotomy. Description of a case] Alvarez Ayuso L, et al. **Rev Clin Esp** 1982 Feb 28; 164(4):267–8 **(Spa)**

[Serratus paresis epidemics among soldiers] Lithander B, et al. **Lakartidningen** 1982 Apr 21;79(16):1567–9 **(Swe)**

PHYSIOLOGY

Tonic catecholaminergic inhibition of the spinal somato-sympathetic reflexes originating in the ventrolateral medulla oblongata. Dembowsky K, et al. **J Auton Nerv Syst** 1981 Apr;3(2–4):277–90

Recurrent inhibition of intercostal motoneurones in the cat. Kirkwood PA, et al. **J Physiol (Lond)** 1981;319:111–30

Excitatory post-synaptic potentials from single muscle spindle afferents in external intercostal motoneurones of the cat. Kirkwood PA, et al. **J Physiol (Lond)** 1982 Jan; 322:287–314

The effects of single afferent impulses on the probability of firing of external intercostal motoneurones in the cat. Kirkwood PA, et al. **J Physiol (Lond)** 1982 Jan;322:315–36

Cerebellar influence on the termination of inspiration by intercostal nerve stimulation. Speck DF, et al. **Respir Physiol** 1982 Feb;47(2):231–8

PHYSIOPATHOLOGY

A clinical and electrophysiological study of neurogenically induced winging of the scapula. Hammond SR, et al. **Clin Exp Neurol** 1981;17:153–66

[The sliding rib syndrome. Orthopedic aspects (author's transl)] Weh L, et al. **MMW** 1982 Jul 2;124(26):631–3 (Eng. Abstr.) **(Ger)**

SURGERY

Intercostal nerves to spinal nerve roots anastomosis (spinal cord bypass) and Harrington rod fusion in traumatic paraplegia—technical note. Patil A. **Acta Neurochir (Wien)** 1981;57(3–4):299–303

A new approach to the intercosto-brachial anastomosis in the treatment of brachial plexus paralysis due to root avulsion. Late results. Ploncard P. **Acta Neurochir (Wien)** 1982;61(4):281–90

Thoracic sympathectomy. Review of indications, results and surgical techniques. Mattassi R, et al. **J Cardiovasc Surg (Torino)** 1981 Jul–Aug;22(4):336–9

[Preservation of the pectoral nerves in modified radical mastectomy] Dell'Anna B, et al. **Acta Biomed Ateneo Parmense** 1981;52(4):109–17 (Eng. Abstr.) **(Ita)**

THORACIC RADIOGRAPHY

Interpretation of radiographs: effect of clinical history. Doubilet P, et al. **AJR** 1981 Nov;137(5):1055–8

Significance of a visible major fissure on the frontal chest radiograph. Fisher MS. **AJR** 1981 Sep;137(3):577–80

350 kV chest radiography has no diagnostic advantage: a comparison with 140 kV technique. Herman PG, et al. **AJR** 1982 Mar;138(3):485–9

The annual chest roentgenogram for the control of tuberculosis in hospital employees: recent changes and their implications. Cope R, et al. **Am Rev Respir Dis** 1982 Jan; 125(1):106–7

Radiographic heart size and cardiothoracic ratio in three ethnic groups: a basis for a simple screening test for cardiac enlargement in men. Nickol K, et al. **Br J Radiol** 1982 Jun;55(654):399–403

The value of chest roentgenograms in acute asthma in adults. Findley LJ, et al. **Chest** 1981 Nov;80(5):535–6

Computed tomography of the thorax: a status report. Pugatch RD, et al. **Chest** 1981 Nov;80(5):618–26

Chest x-ray manifestations of acute leukemia. Li GY, et al. **Chin Med J [Engl]** 1981 Dec;94(12):816–20

Computerized axial tomography of the chest for visualization of 'absent' pulmonary arteries. Sondheimer HM, et al. **Circulation** 1982 May;65(5):1020–5

The value of routine daily chest x-rays in intubated patients in the medical intensive care unit. Greenbaum DM, et al. **Crit Care Med** 1982 Jan;10(1):29–30

Prognostic significance of paratracheal soft tissue in lung cancer. Mohammed SH, et al. **Eur J Radiol** 1981 Aug; 1(3):200–3

Directed versus free search for nodules in chest radiographs. Parker TW, et al. **Invest Radiol** 1982 Mar–Apr;17(2):152–5

Radiographic interpretation with and without search: visual search aids the recognition of chest pathology. Swensson RG, et al. **Invest Radiol** 1982 Mar–Apr;17(2):145–51

Effect of aging on the cardiothoracic ratio of men. Potter JF, et al. **J Am Geriatr Soc** 1982 Jun;30(6):404–9

Evaluation of post-pneumonectomy space by computed tomography. Biondetti PR, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):238–42

Contrast-related flow phenomena mimicking pathology on thoracic computed tomography. Godwin JD, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):460–4

Clinical spectrum of blunt tracheobronchial disruption illustrated by seven cases. Mills SA, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):49–58

Scintigraphy and radiography in oleic acid pulmonary microvascular injury: effects of positive end-expiratory pressure (PEEP). Sugerman HJ, et al. **J Trauma** 1982 Mar; 22(3):179–85

Radiologic problem of the month. Multiple lucencies of the chest. Subbarao K. **NY State J Med** 1982 Feb;82(2):192

Chest radiographs in cystic fibrosis. A follow-up study with application of a quantitative system. van der Put JM, et al. **Pediatr Radiol** 1982;12(2):57–61

Computerized tomography of the thorax. Munro CJ. **Radiography** 1982 May;48(569):95–101

John B. Cahoon Memorial Lecture, American Society of Radiologic Technologists. Cullinan JE. **Radiol Technol** 1981 Sep–Oct;53(2):121–37

Case report 180: ossified scars in soft tissues. Fisher MS. **Skeletal Radiol** 1982 Jan;7(4):277–8

[Radiologic manifestations of the chest in epidemic hemorrhagic fever (report of 3 cases) (author's transl)] Jiang JC. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov; 15(4):264–5 **(Chi)**

[[Direct coronal mode in CT. of the thorax and abdomen (author's transl)] Kaiser MC, et al. **Ann Radiol (Paris)** 1981 Sep–Oct;24(6):521–4 (Eng. Abstr.) **(Fre)**

[Roentgenological identification of corpses by means of the bone structure of the front chest wall] Teige K, et al. **Arch Kriminol** 1981 Sep–Oct;168(3–4):78–86 **(Ger)**

[Identification of persons by the comparison of chest X-ray-importance, technique and problems] Markert K, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):243–55 **(Ger)**

[Explanations for the standard in roentgen diagnosis: basic tests of the thoracic organs--adults] Cobet H, et al. **Z Gesamte Inn Med** 1981 Nov 15;36(22):884–6 (Eng. Abstr.) **(Ger)**

[Method for radiological recognition of cardiac valve prostheses. Analysis of the various models used at the Cardiosurgery Center of the University of Padua] de Mozzi P, et al. **G Ital Cardiol** 1981;11(6):786–96 (Eng. Abstr.) **(Ita)**

[The chest x-ray in children] **Radiol Med (Torino)** 1981 Jul–Aug;67(7–8):550–81 **(Ita)**

[Bedside thoracic radiography: difficulties and solutions] Ancona A, et al. **Radiol Med (Torino)** 1982;68(3):189–91 **(Ita)**

[The use of reinforcement screens of rare earth in the Chest x-ray] Bergonzini R. **Radiol Med (Torino)** 1982;68(3):184–7 **(Ita)**

[Radiological anatomy of the thorax] Martino F. **Radiol Med (Torino)** 1982;68(3):187–9 **(Ita)**

[Dosimetric comparison of different methods of thoracic radiography] Milani R, et al. **Radiol Med (Torino)** 1981 Sep;67(9):671–2 **(Ita)**

[The posterior wall of the bronchus intermedius on the lateral plain chest radiograph (author's transl)] Matsubayashi T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1039–47 (Eng. Abstr.) **(Jpn)**

[A case of Swyer-James syndrome observed through the course of pathologic formation on chest X-ray (author's transl)] Nagao K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Nov; 19(11):885–90 (Eng. Abstr.) **(Jpn)**

[A case of ecchondroma in the rib appearing as a coin lesion on chest x-ray film (author's transl)] Okada R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr; 19(4):269–73 (Eng. Abstr.) **(Jpn)**

[A surgically treated case of chondrosarcoma arising from the rib presenting as a mediastinal tumor-like shadow on chest x-ray film (author's transl)] Sugiyama Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr; 20(4):456–60 (Eng. Abstr.) **(Jpn)**

[Miliary tuberculosis in recent years - studies of chest roentgenograms] Hayashi K, et al. **Rinsho Hoshasen** 1981 Sep;26(9):915–20 (Eng. Abstr.) **(Jpn)**

[Collagen diseases (author's transl)] Hiraki Y, et al. **Rinsho Hoshasen** 1981;26(11):1185–203 **(Jpn)**

[Castleman's lymphoma--a case report from radiological standpoints (author's transl)] Hosoya T, et al. **Rinsho Hoshasen** 1982 Jan;27(1):115–8 (Eng. Abstr.) **(Jpn)**

[Chest x-ray findings in cardiac diseases (author's transl)] Kozuka T. **Rinsho Hoshasen** 1981;26(11):1205–19 **(Jpn)**

[Diffuse panbronchiolitis (author's transl)] Nakata K, et al. **Rinsho Hoshasen** 1981;26(11):1133–42 **(Jpn)**

[Indistinct pulmonary vascular outlines on chest roentgenograms--analysis of their mechanism and clinical usefulness (author's transl)] Natsuizaka T, et al. **Rinsho Hoshasen** 1982 Jan;27(1):1–8 (Eng. Abstr.) **(Jpn)**

[Right lower lobe cancer silhouetting out the right cardiac border (author's transl)] Tada S. **Rinsho Hoshasen** 1981 Oct;26(10):1085–6 **(Jpn)**

[Current status of pulmonary tuberculosis] Yoneda R. **Rinsho Hoshasen** 1981;26(11):1231–46 **(Jpn)**

[Clinical evaluation of chest X-rays, gallium-67 scans and CT scans in sarcoidosis (author's transl)] Yoshida S, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1027–33 (Eng. Abstr.) **(Jpn)**

[Thoracic radiology in the diagnosis of asymptomatic neoplasms of the urinary tract (author's transl)] Ivanovi-Herceg Z, et al. **Lijec Vjesn** 1981 Sep;103(9):395–9 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

[Advantages and risks of roentgen examinations of the thorax and spine] Schawow A. **Z Arztl Fortbild (Jena)** 1982 Apr 15;76(8):325–7 **(Ger)**

CLASSIFICATION

Classification of chest radiographs for epidemiological purposes by people not experienced in the radiology of pneumoconiosis. Copland L, et al. **Br J Ind Med** 1981 Aug; 38(3):254–61

HISTORY

Roentgenology 1910. Stereoscopic radiography as diagnostic aid in pulmonary tuberculosis. by Emil G. Beck. **AJR** 1981 Oct;137(4):890–1

Chest radiology-guesswork or science? Trapnell DH. **Br J Radiol** 1982 Feb;55(650):93–107

INSTRUMENTATION

Improved routine chest radiography with a trough filter. Wieder S, et al. **AJR** 1981 Oct;137(4):695–8

Square chest films [letter] Wilson RA. **AJR** 1982 Apr; 138(4):798

A scanning equalization system for improved chest radiography. Plewes DB, et al. **Radiology** 1982 Mar; 142(3):765–8

Reduction of radiation exposure in radiography of the chest. Rossi RP, et al. **Radiology** 1982 Sep;144(4):909–14

[A newly developed patient-chair for the radiodiagnostic exposure technique on patients unable to stand (author's transl)] Nöltner M. **Radiol Diagn (Berl)** 1981;22(5):706–15 (Eng. Abstr.) **(Ger)**

METHODS

The detection of thoracic abnormalities using posterior-anterior (PA) vs PA and oblique roentgenograms. Reger RB, et al. **Chest** 1982 Mar; 81(3):290–5

Photographic unsharp masking in chest radiography. Sorenson JA, et al. **Invest Radiol** 1981 Jul–Aug;16(4):281–8

Unsharp masking in chest radiography [letter] Sorenson JA, et al. **Invest Radiol** 1981 Nov–Dec;16(6):529–30

Sagittal and coronal CT reconstruction for demonstration of subcarinal adenopathy. Gale ME, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):249–53

Scattered radiation in chest radiography. Niklason LT, et al. **Med Phys** 1981 Sep–Oct;8(5):677–81

High kV chest radiography with lontomat control. Palmer A. **Radiography** 1981 Apr;47(556):106

[Problems in chest roentgenography of infants (author's transl)] Fang HP. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):215–8 **(Chi)**

[Thoracic diagnosis, possibilities for interpretation and indications for informative examination procedures] Weigand H, et al. **Rontgenpraxis** 1981;34(11):437–47 **(Ger)**

[Advantages of side-view chest x-rays taken with the patient in a deeply bent posture] Aizenshtat AI. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):70–2 **(Rus)**

STANDARDS

Technical accuracy and clinical efficacy of thoracic computed tomography. Yee ES, et al. **Am J Surg** 1982 Jul;144(1):35–43

[Lung cancer and the thorax photo] Sluiter HJ. **Ned Tijdschr Geneeskd** 1982 Feb 13;126(7):273–7 **(Dut)**

[Diagnostic accuracy of pulmonary vessel blood flow assessed by roentgenography--a comparison with haemodynamic data (author's transl)] Hegenbarth R, et al. **Rontgenblatter** 1981 Dec;34(12):459–62 (Eng. Abstr.) **(Ger)**

UTILIZATION

The routine chest X-ray - an idea whose time has passed. Martin DL. **Dimens Health Serv** 1981 Sep;58(9):9

VETERINARY

Equine thoracic radiology. Farrow CS. **J Am Vet Med Assoc** 1981 Oct 15;179(8):776–81

Radiological examination of the rabbit. The head, thorax and vertebral column. Gibbs C, et al. **J Small Anim Pract** 1981 Nov;22(11):687–703

THORACIC SURGERY

Pain relief after thoracotomy [letter] Gothard JW. **Anaesthesia** 1982 May;37(5):599–600

One-lung anesthesia for pediatric thoracic surgery: a new use for the fiberoptic bronchoscope. Watson CB, et al. **Anesthesiology** 1982 Apr;56(4):314–5

Response to the report of the Ad Hoc Committee on Recertification of The Society of Thoracic Surgeons. The American Board of Thoracic Surgery [editorial] **Ann Thorac Surg** 1981 Sep;32(3):220–1

Assurance. Ankeney JL. **Ann Thorac Surg** 1981 Sep; 32(3):222–9

Realistic evaluation of the experienced certified thoracic surgeon [editorial] Lewis RJ. **Ann Thorac Surg** 1981 Sep; 32(3):217–9

Recertification: one man's opinion of where it's at. Liddle HV. **Ann Thorac Surg** 1981 Dec;32(6):525–7

Chest wall reconstruction. Pairolero PC, et al. **Ann Thorac Surg** 1981 Oct;32(4):325–6

Recertification of thoracic and cardiovascular surgeons [letter] Shabanah FH. **Ann Thorac Surg** 1981 Sep;32(3):320

The Beijing Cardiothoracic Symposium. Sloan H, et al. **Ann Thorac Surg** 1982 Aug;34(2):111–4

Thoracic surgeons and vascular surgery. Spencer FC. **Ann Thorac Surg** 1982 Feb;33(2):107–13

Improved pain relief after thoracotomy: use of cryoprobe and morphine infusion. Orr IA, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):945–8

Major chest wall reconstruction after chest wall irradiation. Larson DL, et al. **Cancer** 1982 Mar 15;49(6):1286–93

High frequency ventilation in dogs with open chests. Hoff BH, et al. **Crit Care Med** 1982 Aug;10(8):517–21

The American Association of Thoracic Surgery 1982--1983. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):459–76

Left thoracotomy for reoperation for coronary revascularization. Faro RS, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):453–5

Changes in arterial oxygenation and pulmonary shunt during thoracotomy with endobronchial anesthesia. Fiser WP, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):523–31

New technique for one-lung anesthesia using an endobronchial blocker. Ginsberg RJ. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):542–6

Epidural analgesia for post-thoracotomy patients. James EC, et al. **J Thorac Cardiovasc Surg** 1981 Dec;82(6):898–903

Emergency thoracotomy [letter] **J Trauma** 1981 Nov; 21(11):997–9

Cefamandole for prophylaxis against infection in closed tube thoracostomy. Stone HH, et al. **J Trauma** 1981 Nov; 21(11):975–7

Survival time of tumor-bearing rats as related to operative stress and immunopotentiators. Hattori T, et al. **Jpn J Surg** 1982;12(2):143–7

Poland's syndrome: correction with latissimus muscle transposition. Hester TR Jr, et al. **Plast Reconstr Surg** 1982 Feb;69(2):226–33

Customized silicone implants of the breast and chest. Lavey E, et al. **Plast Reconstr Surg** 1982 Apr;69(4):646–51

Teres major--latissimus dorsi skin-muscle flap for chest-wall reconstruction. May JW JR, et al. **Plast Reconstr Surg** 1982 Feb;69(2):326–8

Diagnostic significance of serum CK-MB elevations following surgical damage to skeletal muscles. Bendz R, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(2):199–204

Diagnosis and operative management of chest wall deformities in children. Haller JA Jr, et al. **Surg Clin North Am** 1981 Oct;61(5):1199–207 (22 ref.)

[Alveolar arterial and arteriovenous oxygen gradient during thoracotomy and 1-hour single-lung ventilation (an experimental study on dogs)] Aleksandrov V. **Khirurgiia (Sofiia)** 1981;34(4):344–7 **(Bul)**

[The assessment of hemodilution in thoracic and cardiac surgery: clinical observations in 181 patients (author's transl)] Zhuang SC. **Chung Hua I Hsueh Tsa Chih** 1981 Jan;61(1):36–8 (Eng. Abstr.) **(Chi)**

[A technique for sampling uncontaminated peripheral bronchial secretions in patients wih intubation or tracheostomy (author's transl)] Pourriat JL, et al. **Anesth Analg (Paris)** 1982;38(11–12):675–8 (Eng. Abstr.) **(Fre)**

[Galactorrhoea and thoracic surgery (author's transl)] Magnin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(6):579–81 (Eng. Abstr.) **(Fre)**

[The thoracic surgeon and thoracoscopy (author's transl)] Longefait H, et al. **Poumon Coeur** 1981;37(5):299–300 (Eng. Abstr.) **(Fre)**

[Thoracic surgery at Marie Lannelongue Centre in Paris (author's transl)] van Dale P. **Rev Med Brux** 1982 Feb; 3(2):101–7 (Eng. Abstr.) **(Fre)**

[Bilateral thoracotomy. Indications and limitations] Serrano S, et al. **Minerva Chir** 1982 Feb 28;37(4):319–24 **(Ita)**

[Physiological disorders during and after the thoracotomy (author's transl)] Yoneyama T. **Kokyu To Junkan** 1981 Oct; 29(10):1035–42 **(Jpn)**

[Non-cardiac thoracic surgery in Norway] Myhre HO. **Tidsskr Nor Laegeforen** 1981 Jun 20;101(17–18):1078–9 (Eng. Abstr.) **(Nor)**

[Epidural analgesia with morphine during the postoperative period] Khapil KhKh, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):69–71 **(Rus)**

[Physician's role in the surgical pulmonological department] Ananchenko VG, et al. **Grudn Khir** 1982;1:5–10 **(Rus)**

[Experience with using the new antimicrobial preparation decamethoxine in thoracic surgery] Gorovenko GG, et al. **Klin Khir** 1981 Oct;(10):48–50 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Spontaneous pneumocephalus following elective thoracotomy. Reid AC, et al. **Aust NZ J Med** 1982 Feb; 12(1):67–9

Postoperative pulmonary prophylaxis. Breathe deeply and read carefully. Bartlett RH. **Chest** 1982 Jan;81(1):1–3

Relationship between postoperative hypoxemia and the operative site. Hara N, et al. **Jpn J Surg** 1981;11(5):317–22

[Impaired gaseous exchange during the early postoperative stage after thoracotomy (author's transl)] Ederle K. **Prax Klin Pneumol** 1981 Jul;35(7):304–7 (Eng. Abstr.) **(Ger)**

[Mediastinal emphysema after thoracotomy (author's transl)] Beeger R, et al. **Rontgenblatter** 1982 Apr;35(4):146–50 (Eng. Abstr.) **(Ger)**

[Outcomes of intrathoracic surgery in obese patients] Slepukha IM, et al. **Grudn Khir** 1981 Sep–Oct;(5):43–5 (Eng. Abstr.) **(Rus)**

HISTORY

Presidential address. An overview of thirty years of thoracic surgery. Meyer BW. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):163–7

Progress in resection of the chest wall for tumor with reminiscences of Dr. Blalock. Ravitch MM.

Johns Hopkins Med J 1982 Aug;151(2):43–53
Development of lung surgery in the United Kingdom. Smith RA. **Thorax** 1982 Mar;37(3):161–8
The British Thoracic Society. Turner-Warwick M. **Thorax** 1982 May;37(5):321–3

INSTRUMENTATION

A modified sternal retractor for exposure of the internal mammary artery. McKeown PP, et al. **Ann Thorac Surg** 1981 Dec;32(6):619
[Experiences in the use of the modified rib retractor by Rochard] Duda M, et al. **Chirurg** 1981 Sep;52(9):605–7 **(Ger)**
[Thoracic suction drainage independent of a power supply or central apparatus] Knörig M, et al. **Chirurg** 1982 Jan; 53(1):57–8 **(Ger)**
[A new thorax retractor for pediatric surgery] Oelert H. **Chirurg** 1982 Mar;53(3):192 **(Ger)**
[Special thoracic rack-and-pinion retractor] Apostolov VI, et al. **Klin Khir** 1981 Oct;(10):58–9 **(Rus)**

METHODS

Anatomy of the intercostal nerve: its importance during thoracic surgery. Moore DC. **Am J Surg** 1982 Sep; 144(3):371–3
Surgical management and reconstruction of extensive chest wall malignancies. Ramming KP, et al. **Am J Surg** 1982 Jul;144(1):146–52
Chest wall reconstruction--management of the difficult chest wound. Scheflan M, et al. **Ann Plast Surg** 1982 Feb; 8(2):122–31
An appraisal of en bloc resection of peripheral bronchogenic carcinoma involving the thoracic wall. Paone JF, et al. **Chest** 1982 Feb;81(2):203–7
Reconstruction of the sternum and anterior chest wall: aesthetic considerations. Arnold PG. **Clin Plast Surg** 1981 Apr;8(2):389–97
Reconstruction of the thoraco-abdominal wall by plication of the diaphragm and application of a fascia lata patch following demolition for sarcoma. Caironi C, et al. **Panminerva Med** 1981 Jan-Mar;23(1):29–32
Early decortication for the disorganized pleural space. Forrester-Wood CP, et al. **S Afr Med J** 1982 May 8; 61(19):698–700
Fibrin adhesive and its application in thoracic surgery. Thetter O. **Thorac Cardiovasc Surg** 1981 Oct;29(5):290–2
[Clarification of minor posterolateral thoracotomy] Manenti A. **Acta Chir Belg** 1981 Mar-Jun;80(2-3):157 **(Fre)**
[Thoracic surgery in patients older than 70 years (author's transl)] Weber J, et al. **Zentralbl Chir** 1981;106(20):1346–50 (Eng. Abstr.) **(Ger)**
[Thorax deformities. Diagnosis and indication for operative correction] Willital GH, et al. **ZFA (Stuttgart)** 1982 Feb 10;58(4):193–200 **(Ger)**
[Thoracotomy as an emergency procedure] Klausner JM, et al. **Harefuah** 1981 Mar 1;100(5):227–8 (Eng. Abstr.) **(Heb)**
[Plastic repair of multiple bronchial fistulae ('cribate lung') and small defects of the chest wall with Filatov pedicle flap] Nguyen NT. **Vestn Khir** 1981 Jul;127(7):110–3 **(Rus)**

MORTALITY

The role of emergency thoracotomy in blunt trauma. Bodai BI, et al. **J Trauma** 1982 Jun;22(6):487–91

STANDARDS

Weak links in the chain of cardiothoracic surgery. Baue AE. **Chest** 1981 Oct;80(4):496–501

TRENDS

Latissimus dorsi flap in Poland's syndrome. Fodor PB. **Ann Plast Surg** 1981 Sep;7(3):258
[Thoracic surgery: the present and the future (author's transl)] Nakata T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Nov;19(11):780–6 (Eng. Abstr.) **(Jpn)**

UTILIZATION

Population-based requirements for thoracic surgery. Melton LJ 3d, et al. **J Thorac Cardiovasc Surg** 1981 Nov; 82(5):729–37

VETERINARY

A technique for bioinstrumentation of the thorax of miniature swine. Harvey RC, et al. **Lab Anim Sci** 1982 Feb;32(1):94–6

THORACIC VERTEBRAE

Spinal cord compression by Coccidioides immitis abscess. Delaney P, et al. **Arch Neurol** 1982 Apr;39(4):255–6
Neoplasm and systemic vasculitis: a case report [letter] Cupps TR, et al. **Arthritis Rheum** 1982 Apr;25(4):475–6
Computed tomography of posterior longitudinal ligament ossification: its appearance and diagnostic value with special reference to thoracic lesions. Murakami J, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):41–50
Eosinophil granuloma of the spine. Seimon LP. **J Pediatr Orthop** 1981;1(4):371–6
Spinal segmental dysfunction: incidence in cervicothoracic region. Johnston WL, et al. **JAOA** 1981 Sep;81(1):22–8
Mediastinal abscess secondary to vertebral osteomyelitis. Benezra C, et al. **Postgrad Med** 1982 Mar;71(3):220–3
Thoracic intervertebral discitis in rheumatoid arthritis due to costovertebral joint involvement. Bywaters EG. **Rheumatol Int** 1981;1(2):83–97
Chylothorax: an unusual complication of anterior thoracic interbody spinal fusion. Colletta AJ, et al. **Spine** 1982; 7(1):46–9
Laminoplasty for patients with compressive myelopathy due to so-called spinal canal stenosis in cervical and thoracic regions. Tsuji H. **Spine** 1982;7(1):28–34
Neurilemmoma of the thoracic spine. A case report. Wells F, et al. **Spine** 1982;7(1):66–70
Acute collapse of thoracic vertebral bodies after long-term steroid treatment in leprosy. Lombardi V, et al. **Surg Neurol** 1982 Apr;17(4):293–4
[Thoracic disk hernia: importance of the ischemic factor in compression of the lumbar dorsal enlargement of the spinal cord] Grizzi LC, et al. **Riv Neurol** 1982 Mar-Apr; 52(2):65–72 **(Ita)**
[Clinical study on thoracic osteochondritis myelopathy (author's transl)] Kawano K. **Nippon Geka Hokan** 1982 Mar 1;51(2):289–306 (Eng. Abstr.) **(Jpn)**
[Single-stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigai GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

An unusual cause of neonatal respiratory distress. RDS in a neonate with a neuro-enteric cyst. Cahill JF. **Anaesthesia** 1981 Aug;36(8):790–4
Genetic analyses of the vertebral anomalies of the IS strain of rat and the development of a BN congenic line with the anomalies. Yamada J, et al. **Lab Anim** 1982 Jan; 16(1):40–7
Facio-auriculo-vertebral anomalad and pulmonary artery sling. A hitherto undescribed but probably non-casual association. Gallo P, et al. **Pathol Res Pract** 1981 Dec; 173(1-2):172–9
[Straight back syndrome---a report of 9 cases (author's transl)] Wang PX. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1982 Mar; 10(1):36–9 **(Chi)**

ANATOMY & HISTOLOGY

The relations of the superior pole of the stellate ganglion to the vertebral artery. Katritsis ED, et al. **Anat Anz** 1981; 150(3):259–63

BLOOD SUPPLY

The arterial anatomy of the developing human dorsal and lumbar vertebral body. A microarteriographic study. Ratcliffe JF. **J Anat** 1981 Dec;133(Pt 4):625–38
[Angioarchitectonics of the costovertebral joints of embryos, fetuses, and newborn infants] Gavata BV. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):75–80 (Eng. Abstr.) **(Rus)**
[Diagnostic possibilities of the venospondylography in tuberculous spondylitis] Tikhodeev SA. **Probl Tuberk** 1981 Sep;(9):28–31 (Eng. Abstr.) **(Rus)**

INJURIES

Treatment of patients with unstable fractures of the thoracic and lumbar spine: a follow-up study of surgical and conservative treatment. Soreff J, et al. **Acta Orthop Scand** 1982 Jun;53(3):369–81
Sclerotic thoracic vertebral compression with metastatic pheochromocytoma [letter] Chakeres D, et al. **AJNR** 1981 Sep-Oct;2(5):477–8
High resolution CT of thoracolumbar fractures. Brant-Zawadzki M, et al. **AJR** 1982 Apr;138(4):699–704
The value of simple radiographs [letter] Hu LB. **AJR** 1982 Jul;139(1):196–7
Early operative treatment of injuries of te thoracolumbar spine. Riska EB. **Ann Chir Gynaecol** 1981;70(5):251–5
Fractures of the thoracic and lumbar spine in ankylosing spondylitis. Thorngren KG, et al. **Arch Orthop Trauma Surg** 1981;98(2):101–7
The early management of thoracolumbar fractures by open reduction and internal fixation. Ryan MD, et al. **Aust NZ J Surg** 1982 Jun;52(3):236–44
Unstable thoracic fractures: treatment alternatives and the role of the neurosurgeon. Larson SJ. **Clin Neurosurg** 1980; 27:624–40
Gas density in an ununited fracture of a vertebral body. Bretz GW, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1183–4
Multiple thoracic spine fractures complicating ankylosing hyperostosis of the spine. Bernini PM, et al. **J Trauma** 1981 Sep;21(9):811–4
Kümmell disease: report of a case with serial radiographs. Brower AC, et al. **Radiology** 1981 Nov;141(2):363–4
Diagnosis of ischemic vertebral collapse using selective spinal angiography. Stojanovic J, et al. **ROFO** 1981 Sep; 135(3):326–9
Relevant signs of stable and unstable thoracolumbar vertebral column trauma. Gehweiler JA Jr, et al. **Skeletal Radiol** 1981;7(3):179–83
Segmental spinal instrumentation in the treatment of fractures of the thoracolumbar spine. Luque ER, et al. **Spine** 1982 May-Jun;7(3):312–7
Surgery in incomplete spinal cord injury. O'Laoire SA, et al. **Surg Neurol** 1982 Jan;17(1):12–5
[Advantages of early functional treatment of fractures of the thoracolumbar vertebrae without paresis compared with functional treatment after Magnus (author's transl)] Kürschner J, et al. **Aktuel Traumatol** 1980 Oct;10(5):247–9 (Eng. Abstr.) **(Ger)**
[Rehabilitation of patients with fractures without complications of the lower lumbar and thoracic vertebrae] Jumaschew GS, et al. **Z Gesamte Hyg** 1981;27(5):426–30 **(Ger)**
[Characteristics of fractures of the spinous processes of the thoracic vertebrae in a blow from a heavy blunt object] Konovalov AI. **Sud Med Ekspert** 1981 Jul-Aug;24(3):10–2 **(Rus)**

PHYSIOLOGY

A biomechanical study of the ligamentous stability of the thoracic spine in man. Panjabi MM, et al. **Acta Orthop Scand** 1981 Jun;52(3):315–26

RADIOGRAPHY

Paraspinous mass in a greek woman. Miller LK, et al. **Chest** 1981 Dec;80(6):741–2
The thoracic paraspinal shadow: normal appearances. Lien HH, et al. **Clin Radiol** 1982 Jan;33(1):31–5
Correlations between breaking load and CT absorption values of vertebral bodies. Brassow F, et al. **Eur J Radiol** 1982 May;2(2):99–101
[Bilateral pedicular cleft in a patient with neurofibromatosis (author's transl)] Dietemann JL, et al. **Ann Radiol (Paris)** 1981;24(8):665–7 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Congenital absence of a pedicle with photon deficiency on bone scan. Tessler F, et al. **Clin Nucl Med** 1981 Oct; 6(10):498–9

SURGERY

Anterior decompression and fusion for thoracolumbar fractures with neurological deficits. Young B, et al. **Acta Neurochir (Wien)** 1981;57(3-4):287–98
Spinal pseudarthrosis with paraplegia in ankylosing spondylitis. A case report. Karlström G, et al. **Arch Orthop Trauma Surg** 1981;98(4):297–300
Spinal cord decompression treated by laminectomy with spinal stabilization and realignment. Lane JM, et al. **Clin Bull** 1981;11(2):83–7
Thoracic spinal cord decompression: alternative surgical approaches and basis of choice. Dohn DF. **Clin Neurosurg** 1980;27:611–23
[Surgical treatment of dorso lumbar scoliosis in a homocystinuric child (author's transl)] Merckx J, et al. **Rev Chir Orthop** 1981;67(6):625–9 (Eng. Abstr.) **(Fre)**
[Total excision of thoracic vertebrae (author's transl)] Roy-Camille R, et al. **Rev Chir Orthop** 1981;67(3):421–30 (Eng. Abstr.) **(Fre)**
[Experimental substantiation of restricted osteoplasty in tuberculous spondylitis] Guseva VN. **Probl Tuberk** 1981 Sep;(9):50–4 (Eng. Abstr.) **(Rus)**

THORACOPLASTY

The effect of bilateral thoracoplasty on lung development in fetal sheep. Liggins GC, et al. **J Dev Physiol** 1981 August;3(4):275–82

METHODS

[Clinical analysis of 102 cases of chronic tuberculous empyema treated with modified Heller's thoracoplasty (author's transl)] Wei CK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):221–3 **(Chi)**
[Chronic tuberculous empyema treated by an improved intrapleural thoracoplasty: clinical report of 77 cases (author's transl)] Zhou SD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):224–5 **(Chi)**
[Repair of loss of substance in the sternocostal area by a pectoralis major musculocutaneous flap] Dautry P, et al. **Ann Chir Plast** 1981;26(4):386–90 (Eng. Abstr.) **(Fre)**
[Chest wall reconstruction by Marlex Tracheal Mesh (author's transl)] Niwa H, et al. **Kyobu Geka** 1982; 35(4):287–91 (Eng. Abstr.) **(Jpn)**
[Place of separate surgical interventions in the treatment of disseminated fibrous-cavernous pulmonary tuberculosis] Miroshnikov BI. **Vestn Khir** 1982 Jan;128(1):39–45 **(Rus)**

THORACOSCOPY

Thoracoscopy in malignant pleural effusions. Boutin C, et al. **Am Rev Respir Dis** 1981 Nov;124(5):588–92
Diagnosis of pleural effusion: evaluation of the need thoracoscopy [letter] Mornex JF, et al. **Am Rev Respir Dis** 1982 Aug;126(2):367
Diagnostic thoracoscopy. Enk B, et al. **Eur J Respir Dis** 1981 Oct;62(5):344–51
Thoracoscopic evaluation of intrathoracic lesions in children. Janik JS, et al. **J Thorac Cardiovasc Surg** 1982 Mar;

83(3):408–13
Thoracoscopy in the diagnosis of environmental natural mineral fiber–induced pleural diseases. Artvinli M, et al. **Poumon Coeur** 1981;37(4):245–7
Thoracoscopic biopsy under visual control. Kapsenberg PD. **Poumon Coeur** 1981;37(5):313–6
Thoracoscopy: results in non cancerous and idiopathic pleural effusions. Loddenkemper R. **Poumon Coeur** 1981; 37(4):261–4
Thoracoscopy in the diagnosis of malignant mesothelioma. Martensson G. **Poumon Coeur** 1981;37(4):249–51
Thoracoscopy in children. Rodgers BM. **Poumon Coeur** 1981; 37(5):301–6
[Thoracoscopy. Results in pleural cancer (author's transl)] Armengod AC. **Poumon Coeur** 1981;37(4):235–9 (Eng. Abstr.) **(Fre)**
[Pulmonary biopsy under visual control (author's transl)] Brandt HJ. **Poumon Coeur** 1981;37(5):307–11 (Eng. Abstr.) **(Fre)**
[The thoracic surgeon and thoracoscopy (author's transl)] Longefait H, et al. **Poumon Coeur** 1981;37(5):299–300 (Eng. Abstr.) **(Fre)**
[Thoracoscopy: therapeutic value in emergency pleuro–pulmonary syndromes and diagnostic value (author's transl)] Sattler A. **Poumon Coeur** 1981;37(4):265–7 (Eng. Abstr.) **(Fre)**
[Lung biopsy by thoracoscopy (author's transl)] Boutin C, et al. **Rev Fr Mal Respir** 1981;9(4):337–44 (Eng. Abstr.) **(Fre)**
[Current indications for thoracoscopy] Boutin C, et al. **Rev Fr Mal Respir** 1981;9(4):309–18 (Eng. Abstr.) **(Fre)**

METHODS

[Thoracoscopy and lung biopsy without initial pneumothorax (author's transl)] Maassen W. **Poumon Coeur** 1981; 37(5):317–20 (Eng. Abstr.) **(Fre)**
[Use of thoracoscopy in chest injuries] Aleksandrov PV. **Voen Med Zh** 1981 Sep;(9):60–1 **(Rus)**

THORAX

Systematic approach to evaluation of angina–like chest pain: pathophysiology and clinical testing with emphasis on objective documentation of myocardial ischemia. Christie LG Jr, et al. **Am Heart J** 1981 Nov;102(5):897–912
Inability of a chest pain history questionnaire to predict coronary disease in the exercise laboratory [letter] Santinga JT. **Am J Cardiol** 1982 Mar;49(4 Pt 2):1084–5
Hypertensive peristalsis in the pathogenesis of chest pain: further exploration of the 'nutcracker' esophagus. Orr WC, et al. **Am J Gastroenterol** 1982 Sep;77(9):604–7
Use of the treadmill test in the diagnosis of coronary artery disease in patients with chest pain. Goldschlager N. **Ann Intern Med** 1982 Sep;97(3):383–8
Analysis of exercise–induced R–wave–amplitude changes in detection of coronary artery disease in patients with typical or atypical chest pain under digitalis treatment. Degre S, et al. **Cardiology** 1981;68 Suppl 2:178–85
Spontaneous angina in the coronary care unit. 2. Electrocardiographic changes during and after chest pain. Madias JE. **Chest** 1982 Sep;82(3):279–84
Pleuropericardial effusions associated with chest and abdominal pain. Strimlan CV, et al. **Chest** 1982 Apr; 81(4):493–4
Ejection fraction response to exercise in patients with chest pain, coronary artery disease and normal resting ventricular function. Gibbons RJ, et al. **Circulation** 1982 Sep; 66(3):643–8
An investigation in patients with previous myocardial infarction who present with chest pain. Selwyn AP, et al. **Circulation** 1981 Dec;64(6):1156–62
Psychogenic chest pain in children. Asnes RS, et al. **Clin Pediatr (Phila)** 1981 Dec;20(12):788–91
Physical assessment series: the thorax and the lungs. Longe RL, et al. **Drug Intell Clin Pharm** 1981 Mar;15(3):166–74
Diagnostic endoscopy in the patient with chest pain. Meanock CI, et al. **Eur Heart J** 1981 Apr;2(2):135–7
Retention of uranium thorax burdens in fuel fabricators. Pomroy C, et al. **Health Phys** 1981 Aug;41(2):393–400
Hypoxemia following thoracentesis. Brandstetter RD, et al. **Heart Lung** 1982 May–Jun;11(3):216
Chest pain due to stress fractures of the rib first [letter] Redmond AD. **Injury** 1982 Mar;13(5):446–7
Costochondritis in adolescents. Brown RT. **J Adolesc Health Care** 1981 Mar;1(3):198–201
Chest pain in adolescents [letter] Young D. **J Adolesc Health Care** 1981 Dec;2(2):147
Thoracic myelopathy secondary to ossified ligamentum flavum. Omojola MF, et al. **J Neurosurg** 1982 Mar; 56(3):448–50
Effectiveness of chest tube evacuation of pneumothorax in neonates. Allen RW Jr, et al. **J Pediatr** 1981 Oct; 99(4):629–34
Chest tubes and CPR [letter] Roy RC. **JAMA** 1981 Oct 2; 246(14):1547
The pain of pulmonary hypertension. Fact or fancy? Zimmerman D, et al. **JAMA** 1981 Nov 20;246(20):2345–6
Chest pain of uncertain origin in patients admitted to a coronary care unit [letter] Taylor R, et al. **Lancet** 1982 Apr 17;1(8277):911
Chest pain and abnormal electrocardiogram associated with minoxidil. Bennion SD. **Milit Med** 1982 May;147(5):367–8
Nifedipine for relief of esophageal chest pain [letter] Cargill G, et al. **N Engl J Med** 1982 Jul 15;307(3):187–8
A computer–derived protocol to aid in the diagnosis of emergency room patients with acute chest pain. Goldman L, et al. **N Engl J Med** 1982 Sep 2;307(10):588–96
Pericardial calcification in a neonate secondary to chest tube. Kelleher J, et al. **Pediatr Radiol** 1981;11(4):212–3
Retention of catheter fragment after thoracentesis: report of two cases. Sue DY, et al. **Postgrad Med** 1982 Jul; 72(1):101–2, 105–6
Forty–nine year old Caucasian male with right upper quadrant pain.[clinical conference] Eller JA, et al. **SD J Med** 1981 Nov;34(11):7–11
[Traumatic urothorax in childhood: report of 3 cases (author's transl)] Xue F. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):561–2 (Eng. Abstr.) **(Chi)**
[Compressive myelopathy caused by isolated ossification of the posterior longitudinal ligament] Navratil J, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):153–6 **(Fre)**
[Incidence and nature of thoracic pains in outpatients (author's transl)] Hoffmann A, et al. **MMW** 1981 Sep 4; 123(36):1323–6 (Eng. Abstr.) **(Ger)**
[Thoracic fistulas of the pancreas and their complications in childhood (author's transl)] Fritsch R, et al. **Rontgenblatter** 1981 Aug;34(8):304–9 (Eng. Abstr.) **(Ger)**
[Intrauterine growth curves relating to body length and cranial and thoracic circumference: findings on 5576 newborn infants at the Ferrara Obstetrical and Gynecologic Clinic in the 3–year period 1974–1976] Santoiemma M, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov–Dec; 102(6):410–8 **(Ita)**
[Chest pain as an expression of various pathologies] Scevola F. **Minerva Med** 1981 Sep 19;72(34):2302–6 **(Ita)**
[Behavior of kinin–related substances in the blood of the ischemic heart disease with respect to chest pain (author's transl)] Honda Y. **Nippon Ika Daigaku Zasshi** 1981 Apr; 48(2):198–214 (Eng. Abstr.) **(Jpn)**
[Chest pain: a diagnostic problem] Halawa B. **Wiad Lek** 1982 May 1;35(3–4):217–22 (Eng. Abstr.) **(Pol)**
[Pain in the hemithorax and shoulder after proximal gastric vagotomy: gaseous stasis syndrome] de Mello JB, et al. **AMB** 1981 Dec;27(12):359–61 (Eng. Abstr.) **(Por)**
[Possibilities of differential diagnosis of heart pain] Makolkin VI, et al. **Ter Arkh** 1982;54(3):5–9 **(Rus)**
[Predictive value of 99m–Tc–Sn(II) methylene diphosphonate in the study of acute myocardial infarction] Cuarón A, et al. **Arch Inst Cardiol Mex** 1982 Jan–Feb; 52(1):15–9 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Latissimus dorsi flap in Poland's syndrome. Fodor PB. **Ann Plast Surg** 1981 Sep;7(3):258
Radiographic chest contour and pulmonary air leaks in oligohydramnios–related pulmonary hypoplasia (Potter's syndrome). Leonidas JC, et al. **Invest Radiol** 1982 Jan–Feb; 17(1):6–10
Fetal anomalies involving the thorax and abdomen. Knochel JQ, et al. **Radiol Clin North Am** 1982 Jun;20(2):297–310 (63 ref.)
Diagnosis and operative management of chest wall deformities in children. Haller JA Jr, et al. **Surg Clin North Am** 1981 Oct;61(5):1199–207 (22 ref.)
Deformed poodle pups [letter] Elks MJ. **Vet Rec** 1981 May 23;108(21):465
[Major aplasia of the thoracic wall and congenital thoracic scoliosis (3 observations) (author's transl)] Gaubert J, et al. **Chir Pediatr** 1981;22(6):389–95 (Eng. Abstr.) **(Fre)**
[Results of operative correction of pigeon and funnel chest following a modified procedure of Ravitch and Haller (author's transl)] Hecker WC, et al. **Z Kinderchir** 1981 Nov; 34(3):220–7 (Eng. Abstr.) **(Ger)**
[Anomalies of the chest (author's transl)] von der Oelsnitz G. **Z Kinderchir** 1981 Jul;33(3):229–36 (Eng. Abstr.) **(Ger)**
[Indication and operative technique in chest deformities (author's transl)] Willital GH. **Z Kinderchir** 1981 Jul; 33(3):244–52 (Eng. Abstr.) **(Ger)**
[Thorax deformities. Diagnosis and indication for operative correction] Willital GH, et al. **ZFA (Stuttgart)** 1982 Feb 10;58(4):193–200 **(Ger)**
[Chondromanubrial prominence. Report of 3 cases and presentation of a new technic for surgical correction] da Rosa JF, et al. **AMB** 1981 Nov;27(11):315–8 (Eng. Abstr.) **(Por)**
[Phenotypic variability of the appearance of asphyxiating thoracic dysplasia (author's transl)] Cisarik F, et al. **Cesk Radiol** 1982 Jan;36(1):32–9 (Eng. Abstr.) **(Slo)**
[Jeune syndrome and fungal bronchial asthma] Marti E, et al. **Allergol Immunopathol (Madr)** 1982 Mar–Apr; 10(2):131–6 (Eng. Abstr.) **(Spa)**
[Asphyxiating thoracic dystrophy associated with other malformations] González Espinosa C, et al. **An Esp Pediatr** 1982 Feb;16(2):184–7 **(Spa)**

ANATOMY & HISTOLOGY

Thoracic gas volume and chest–abdomen dimensions during anesthesia and muscle paralysis. Hedenstierna G, et al. **Anesthesiology** 1981 Nov;55(5):499–506
In–vivo soft tissue NMR imaging of the rat thorax and abdomen. Bottomley PA. **Experientia** 1981 Jul 15; 37(7):768–70
A comparison of chest morphology in high altitude Asian and Andean populations. Beall CM. **Hum Biol** 1982 Feb; 54(1):145–63
The effects of torso geometry on magnetocardiographic lead fields. Cuffin BN. **IEEE Trans Biomed Eng** 1981 Nov; 28(11):742–9
Clinical estimation of left ventricular size: precordial electrocardiographic voltage corrected by the measurement of thorax. Nishio T, et al. **Jpn Circ J** 1981 Dec;45(12):1430–2
[Roentgenological identification of corpses by means of the bone structure of the front chest wall] Teige K, et al. **Arch Kriminol** 1981 Sep–Oct;168(3–4):78–86 **(Ger)**
[Comparative study of thoracic organs using anatomical technics and computerized axial tomography] Fumagalli L, et al. **Chir Patol Sper** 1979 Aug;27(4):361–8 (Eng. Abstr.) **(Ita)**
[The thymothoracic index and its usefulness in the diagnosis of newborn infants with respiratory distress syndrome] Vargas Origel A, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):49–54 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Perfusion lung scan in superior vena cava obstruction: demonstration of venous collaterals and systemic–pulmonary venous shunt. Hutchins WW, et al. **AJR** 1982 Apr;138(4):754–6
Internal thoracic vein cannulation as a complication of central venous catheterization. Shapiro MJ, et al. **Am Surg** 1982 Aug;48(8):408–11
Mondor's disease: report of two cases. Bargman HB. **Can Med Assoc J** 1981 Oct 15;125(8):868
Case report. Left–sided inferior vena cava with hemiazygos continuation. Allen HA, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):917–20
Contrast–related flow phenomena mimicking pathology on thoracic computed tomography. Godwin JD, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):460–4
The variable appearance of the left superior intercostal vein. Ball JB Jr, et al. **Radiology** 1982 Aug;144(3):445–52
[Surgical anatomy of the free lateral thoracic flap: providing a new arterial flap (author's transl)] Hu BC. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):479–80 (Eng. Abstr.) **(Chi)**

DRUG EFFECTS

Analgesia, anesthesia and chest wall motion. Marsh HM, et al. **Anesthesiology** 1981 Nov;55(5):493–4

INNERVATION

Physiological and anatomical evidence for a discontinuous representation of the trunk in S–I of tree shrews. Sur M, et al. **J Comp Neurol** 1981 Sep 1;201(1):135–47

PHYSIOLOGY

Fetal respiratory movements: a nomogram for fetal thoracic and abdominal respiratory movements. Neldam S. **Am J Obstet Gynecol** 1982 Apr 1;142(7):867–9
Role of carotid artery resistance to collapse during high–intrathoracic–pressure CPR. Yin FC, et al. **Am J Physiol** 1982 Aug;243(2):H259–67
Thoracic gas volume measured by body plethysmography during anesthesia and muscle paralysis: description and validation of a method. Hedenstierna G, et al. **Anesthesiology** 1981 Oct;55(4):439–43
General anesthesia and the chest wall. Schmid ER, et al. **Anesthesiology** 1981 Dec;55(6):668–75
Interpretation of thoracoabdominal movements during breathing. Goldman MD. **Clin Sci** 1982 Jan;62(1):7–11 (14 ref.)
Effect of thoracic venting on arterial pressure, and flow during external cardiopulmonary resuscitation in animals. Babbs CF, et al. **Crit Care Med** 1981 Nov;9(11):785–8
Contrasts between intrathoracic pressures during external chest compression and cardiac massage. Chandra N, et al. **Crit Care Med** 1981 Nov;9(11):789–92
Prephonatory chest wall posturing. Baken RJ, et al. **Folia Phoniatr (Basel)** 1981;33(4):193–203
Problems in measurement of thoracic gas volume in infancy. Beardsmore CS, et al. **J Appl Physiol** 1982 Apr;52(4):995–9
Effects of rib cage or abdominal restriction on lung mechanics. Scheidt M, et al. **J Appl Physiol** 1981 Nov; 51(5):1115–21
Changes in ventilation and chest wall mechanics during sleep in normal adolescents. Tabachnik E, et al. **J Appl Physiol** 1981 Sep;51(3):557–64
Dynamics and coordination of torso motions in human locomotion. Townsend MA. **J Biomech** 1981;14(11):727–38
Intrathoracic pressure and volume changes during the spontaneous onset of respiration in babies born by cesarean section and by vaginal delivery. Vyas H, et al. **J Pediatr** 1981 Nov;99(5):787–91
Differential impedance plethysmography for measuring thoracic impedances. Meijer JH, et al. **Med Biol Eng Comput** 1982 Mar;20(2):187–94
Benesh Movement Notation. An introduction to recording clinical data. Part 5: recording head and trunk movements. McGuinness–Scott J. **Physiotherapy** 1981 Feb 10; 67(2):38–41
[Influence of the thoracic wall on distribution of ventilation]

Engel LA, et al. **Rev Fr Mal Respir** 1980;8(6):435–44 (19 ref.) **(Fre)**

[Physiologic movements of the thorax in the fetus] Jakobovits A. **Orv Hetil** 1981 Aug 2;122(31):1891–3 **(Hun)**

[Chest wall mechanics (author's transl)] Konno K. **Kokyu To Junkan** 1982 May;30(5):499–502 **(Jpn)**

[Importance of the receptors in the chest wall for regulating diaphragmatic excitation in the early stages of postnatal ontogeny] Shimaraeva TN. **Fiziol Zh SSSR** 1982 May; 68(5):610–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Chest wall and abdominal motion during exercise in patients with chronic obstructive pulmonary disease. Delgado HR, et al. **Am Rev Respir Dis** 1982 Aug;126(2):200–5

Obstructive apnea and paradoxical rib cage movements induced by diaphragm pacing: a probable mechanism and suggestions for treatment [letter] Trenchard D, et al. **Am Rev Respir Dis** 1982 Jun;125(6):784–5

Objective assessment of chest configuration in children with asthma or cystic fibrosis. Sly RM, et al. **Ann Allergy** 1981 Oct;47(4):278–87

Interactions between lung and chest wall in restrictive ventilatory defects. Yernault JC, et al. **Bull Eur Physiopathol Respir** 1982 May Jun;18(3):395–401

Pulmonary, chest wall, and lung–thorax elastances in acute respiratory failure. Hildebrandt J. **Chest** 1982 Aug; 82(2):201–2

Pulmonary, chest wall, and lung–thorax elastances in acute respiratory failure. Katz JA, et al. **Chest** 1981 Sep; 80(3):304–11

Effect of aging on the cardiothoracic ratio of men. Potter JF, et al. **J Am Geriatr Soc** 1982 Jun;30(6):404–9

Human esophageal response during chest pain induced by swallowing cold liquids. Meyer GW, et al. **JAMA** 1981 Nov 6;246(18):2057–9

Mechanical inefficiency of the thoracic cage in scoliosis. Jones RS, et al. **Thorax** 1981 Jun;36(6):456–61

[Effects of voluntary ventilation predominantly thoracic or diaphragmatic on chronic obstructive bronchopathies] Grassino A, et al. **Rev Fr Mal Respir** 1980;8(6):445–51 **(Fre)**

RADIATION EFFECTS

Effect of dihydroxyanthraquinone (NSC 279836) and thoracic irradiation on long–term survival of rats. Kimler BF, et al. **Cancer Res** 1982 Jul;42(7):2656–9

Whole–thorax radiation lethality in penicillamine–treated mice. Ward WF, et al. **Radiat Res** 1982 May;90(2):321–9

[Experimental and theoretical studies on the isodose shift method. Calculation of shift–distance by successive approximation for irradiation of thorax with cobalt–60 in fixed–beam teletherapy (author's transl)] Iwasaki A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Jan 25; 42(1):27–40 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Ejection fraction response to exercise in patients with chest pain and normal coronary arteriograms. Gibbons RJ, et al. **Circulation** 1981 Nov;64(5):952–7

In vivo regional quantitation of intrathoracic Tc–99m using SPECT: concise communication. Osborne D, et al. **J Nucl Med** 1982 May;23(5):446–50

THORIUM

Measurements of environmental radiation exposure dose rates at selected sites in Brazil. Pfeiffer WC, et al. **An Acad Bras Cienc** 1981 Dec;53(4):683–91

An unexpected background perturbation [letter] Buzzi KW, et al. **Health Phys** 1982 Apr;42(4):539–41

On the radiological significance of inhaled uranium and thorium ore dust. Hannibal L. **Health Phys** 1982 Mar; 42(3):367–71

ADVERSE EFFECTS

[Hepatocellular carcinoma 34 years after injection of thorotrast] Petersen J, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3472–3 (Eng. Abstr.) **(Dan)**

ANALYSIS

Measurement of ThB (212Pb) concentration in amang plants. Hu SJ, et al. **Health Phys** 1981 Aug;41(2):391–3

Inhalation exposures at a thorium refinery. Mausner LF. **Health Phys** 1982 Feb;42(2):231–6

[Identification and mapping of thorotrast in tissue by an analytical electron microscopy (author's transl)] Nishizawa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25;41(11):1105–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Observations on the bioaccumulation potential of thorium and uranium in rainbow trout (Salmo gairdneri). Poston TM. **Bull Environ Contam Toxicol** 1982 Jun;28(6):682–90

PHARMACODYNAMICS

Interaction of thorium with blood serum proteins in vivo. Peter E, et al. **Int J Radiat Biol** 1981 Oct;40(4):445–50

THERAPEUTIC USE

[Late damage following thorium X treatment (radium 224) of Bechterew disease?] Rudolph F, et al. **Beitr Orthop Traumatol** 1982 Apr;29(4):212–8 (Eng. Abstr.) **(Ger)**

THORIUM DIOXIDE

ADVERSE EFFECTS

Hemangioendothelial sarcoma of the liver after thorotrast injection. Hiraoka T, et al. **Acta Pathol Jpn** 1981 Sep; 31(5):853–61

Management of cervical thorium dioxide granulomas. Stanley RB Jr, et al. **Arch Otolaryngol** 1981 Oct;107(10):631–4

Thorotrast–induced hepatic angiosarcoma, and combined hepatocellular and cholangiocarcinoma in a single patient. Kojiro M, et al. **Cancer** 1982 May 15;49(10):2161–4

Thorotrast–associated cholangiocarcinoma: an epidemiologic and clinicopathologic study. Rubel LR, et al. **Cancer** 1982 Oct 1;50(7):1408–15

Thorium dioxide and liver cancer [letter] Farid I. **JAMA** 1982 Aug 6;248(5):550

Thorotrast–induced angiosarcoma of liver. Benjamin AG, et al. **NY State J Med** 1982 Apr;82(5):751–3

Carotid–artery rupture as a late effect of Thorotrast angiography. Linder EA. **ORL J Otorhinolaryngol Relat Spec** 1981;43(6):309–13

[Thorotrast and liver cancer] Härkönen M, et al. **Duodecim** 1981;97(13):960–2 **(Fin)**

[Thorotrast kidney and induced neoplasm. Apropos of 1 case] Naômé D, et al. **Acta Urol Belg** 1981 Jul;49(3):326–30 (Eng. Abstr.) **(Fre)**

[Hepato–toxicity of thorotrast] Denis J, et al. **Med Chir Dig** 1981;10(4):305–6 **(Fre)**

[Carcinoma of the kidney and generalised thorotrastosis after retrograde pyelography (author's transl)] Zwierzina WD, et al. **Acta Med Austriaca** 1981;8(5):150–5 (Eng. Abstr.) **(Ger)**

[Radiophages and aseptic microsequestration of bone] Thurner J, et al. **Fortschr Med** 1981 Feb 12;99(6):175–7 (Eng. Abstr.) **(Ger)**

[Thorotrast–induced renal pelvic cancer after retrograde pyelography (author's transl)] Amano M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1500–7 (Eng. Abstr.) **(Jpn)**

[Thorotrast kidney accompanied with renal pelvic carcinoma --a report of 2 cases (author's transl)] Ukai R, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):900–9 (Eng. Abstr.) **(Jpn)**

[Hepatocarcinoma caused by Thorotrast] Espasa R, et al. **Rev Clin Esp** 1981 May 31;161(4):261–4 **(Spa)**

ANALYSIS

Identification and mapping of Thorotrast in tissue by analytical electron microscopy. Nishizawa K, et al. **Health Phys** 1981 Oct;41(4):677–80

THORIUM OXIDE see **THORIUM DIOXIDE**

THORNY–HEADED WORMS see **ACANTHOCEPHALA**

THREADWORMS see **ENTEROBIUS**

THREE DAY SICKNESS see **EPHEMERAL FEVER**

THREONINE

Refolding of bovine threonine–neochymotrypsinogen. Duda CT, et al. **J Biol Chem** 1982 Aug 25;257(16):9866–71

ADMINISTRATION & DOSAGE

Food intake, growth and tissue amino acid concentrations in lean and obese (ob/ob) mice fed a threonine–imbalanced diet. Tews JK, et al. **J Nutr** 1982 Sep;112(9):1673–81

ANALOGS & DERIVATIVES

Separation of phosphohydroxyamino acids by high–performance liquid chromatography. Yang JC, et al. **Anal Biochem** 1982 May 15;122(2):360–3

On the function of N–[(9–beta–D–ribofuranosylpurin–6–yl)carbamoyl]threoni in transfer ribonucleic acid. Metal ion binding studies. Reddy PR, et al. **Biochemistry** 1981 Aug 18;20(17):4979–86

Silver staining of phosphoserine and phosphothreonine in nucleolar and other phosphoproteins. Satoh K, et al. **Cell Biol Int Rep** 1981 Sep;5(9):857–66

[A new semisynthesis of human insulin. Tryptic transpeptidation of porcine insulin with L–threonine tert–butyl ester (author's transl)] Jonczyk A, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1591–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Methods for the identification of N–asparaginyl and O–seryl/threonyl glycosidic linkages to aminosugars in glycoproteins. Farwell DC, et al. **Anal Biochem** 1981 May 15;113(2):423–37

A kirromycin resistant elongation factor EF–Tu from Escherichia coli contains a threonine instead of an alanine residue in position 375. Duisterwinkel FJ, et al. **FEBS Lett** 1981 Aug 17;131(1):89–93

DEFICIENCY

Effect of lysine and threonine deficient and supplement rice diets on lipids of hepatic smooth and rough endoplasmic reticulum of rats. Srivastava N, et al. **Biochem Exp Biol** 1980;16(4):443–4

GENETICS

[Dependence of threonine operon expression on the relA gene allelic state and the level of guanosine tetraphosphate in E. coli] Perel'man BV, et al. **Biokhimiia** 1981 Jul; 46(7):1267–76 (Eng. Abstr.) **(Rus)**

[Interaction of RNA polymerase with hybrid plasmids carrying Escherichia coli threonine operon] Kozlov Iul, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1245–57 (Eng. Abstr.) **(Rus)**

METABOLISM

Homoserine and threonine pools of borrelidin resistant Saccharomyces cerevisiae mutants with an altered aspartokinase. Seibold M, et al. **Arch Microbiol** 1981 Jul; 129(5):368–70

Threonine accumulation in the seeds of a barley mutant with an altered aspartate kinase. Bright SW, et al. **Biochem Genet** 1982 Apr;20(3–4):229–43

Metabolism of serine, glycine and threonine in isolated cat hepatocytes Felis domestica. Beliveau GP, et al. **Comp Biochem Physiol [B]** 1982;71B(1):13–8

Stereochemistry of the conversions of L–threonine and D–threonine into 2–oxobutanoate by the L–threonine and D–threonine dehydratases of Serratia marcescens. Crout DH, et al. **Eur J Biochem** 1980 May;106(1):97–105

Localization of malate dehydrogenase, adenylate kinase and glycolytic enzymes in glycosomes and the threonine pathway in the mitochondrion of cultured procyclic trypomastigotes of Trypanosoma brucei. Opperdoes FR, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):291–309

[Effect of the carbon source and aeration conditions on homoserine lysine biosynthesis in the threonine–dependent mutant Brevibacterium flavum 2T] Zaitseva ZM, et al. **Prikl Biokhim Mikrobiol** 1982 May–Jun;18(3):310–5 (Eng. Abstr.) **(Rus)**

[Effect of fluoride and insulin on cation–dependent ATPase activity of the enterocytes during threonine absorption] Iukhnovets RA, et al. **Vopr Med Khim** 1982 Jul–Aug; 28(4):46–50 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Threonine prevents derepression of pyridoxine synthesis in Escherichia coli B. Dempsey WB. **J Bacteriol** 1982 Jun; 150(3):1476–8

PHYSIOLOGY

Threonine, tryptophan and histidine requirements of immature beagle dogs. Burns RA, et al. **J Nutr** 1982 Mar; 112(3):447–52

THERAPEUTIC USE

Pilot study of threonine supplementation in human spasticity. Barbeau A, et al. **Can J Neurol Sci** 1982 May;9(2):141–5

THREONINE DEAMINASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRASE see **THREONINE DEHYDRATASE**

THREONINE DEHYDRATASE

BIOSYNTHESIS

The induction of rat liver L–threonine deaminase by nicotinamide. Aleo MF, et al. **Ital J Biochem** 1982 Jan–Feb; 31(1):8–16

Altered expression of biodegradative threonine dehydratase in Escherichia coli mutants. Merberg D, et al. **J Bacteriol** 1982 Apr;150(1):52–9

[The influence of fasting, of a hyperprotein diet and of nicotinamide on hepatic L–threonine deaminase] Aleo MF, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1746–51 (Eng. Abstr.) **(Ita)**

BLOOD

[Estimation of serine– and threonine dehydratase activity of blood serum] Muzhichenko AV, et al. **Vopr Med Khim** 1981 May–Jun;27(3):408–12 (Eng. Abstr.) **(Rus)**

GENETICS

Cloning of the ilvA538 gene coding for feedback–hypersensitive threonine deaminase from Escherichia coli K–12. Calhoun DH, et al. **J Bacteriol** 1982 Jul;151(1):274–80

ISOLATION & PURIFICATION

Occurrence of a catabolic L–serine (L–threonine) deaminase in Saccharomyces cerevisiae. Ramos F, et al.

Eur J Biochem 1982 Apr;123(3):571–6

METABOLISM

Stereochemistry of the conversions of L-threonine and D-threonine into 2-oxobutanoate by the L-threonine and D-threonine dehydratases of Serratia marcescens. Crout DH, et al. **Eur J Biochem** 1980 May;106(1):97–105

Trypanosomatidae: isoleucine requirement and threonine deaminase in species with and without endosymbionts. Alfieri SC, et al. **Exp Parasitol** 1982 Jun;53(3):371–80

[L-threonine deaminase in gluconeogenesis] Aleo MF, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1739–45 (Eng. Abstr.) **(Ita)**

[Certain properties of 'biosynthetic' L-threonine dehydratase from subcellular structures of brewers' yeast Saccharomyces carlsbergensis] Kovaleva SV, et al. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):31–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physicochemical properties of threonine dehydratase from goat liver. Nath M, et al. **Indian J Biochem Biophys** 1982 Feb;19(1):8–12

A role for threonine deaminase in the regulation of alpha-acetolactate biosynthesis in Escherichia coli K12. Squires CH, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:19–25

THREONYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

THROAT see **PHARYNX**

THROMBASE see **THROMBIN**

THROMBELASTOGRAPHY

Thromboelastographic evaluation of cut down-induced accelerated coagulation [letter] Spillert CR, et al. **Thromb Haemost** 1981 Aug 28;46(2):567

[An effect of mature neutrophils on the disorder of hemostasis in patients with chronic myelogenous leukemia: with special reference to clinical observation of 54 cases and studies on thrombelastograms (author's transl)] Kuriyama K. **Rinsho Ketsueki** 1981 May;22(5):630–40 (Eng. Abstr.) **(Jpn)**

METHODS

Resonance-thrombography, theoretical and practical elements. Hartert HH. **Biorheology** 1981;18(3–6):693–701

The thrombelastographic diagnosis of hemostatic defects. Franz RC, et al. **Surg Annu** 1981;13:75–107 (50 ref.)

STANDARDS

Comparison of thrombelastography with common coagulation tests. Zuckerman L, et al. **Thromb Haemost** 1981 Dec 23;46(4):752–6

THROMBIN

[Endolaryngeal surgery using highly concentrated human fibrinogen as tissue adhesive. Further trials with fibrin glue] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):369–72 (Eng. Abstr.) **(Ger)**

[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**

[Fibrin glue in dermatosurgery (author's transl)] Staindl O. **Z Hautkr** 1982 May 15;57(10):721–33 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Application of topical thrombin for skin-graft donor sites [letter] Smith DJ Jr, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):1028–9

[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

[Thrombin instillation therapy through the fiberoptic bronchoscope in cases of hemoptysis (author's transl)] Kinoshita M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar;20(3):251–4 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Risk of hepatitis in fibrin adhesion (author's transl)] Panis R, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):367–8 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

[Reflex reaction of the anticlotting system to DIP-alpha-thrombin devoid of blood clotting activity] Kudriashov BA, et al. **Fiziol Zh SSSR** 1981 Jul;67(7):1021–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

A sensitive colorimetric assay for thrombin, prothrombin and antithrombin III in human plasma using a new synthetic substrate. Hitomi Y, et al. **Clin Chim Acta** 1982 Mar 12; 119(3):157–64

A novel method for measuring cell surface-bound thrombin. Detection of iodination-induced changes in thrombin-binding affinity. Low DA, et al. **J Biol Chem** 1982 Jan 25;257(2):850–8

Thrombin activation rate constant: one-stage chromogenic assay for the extrinsic system. Baughman DJ, et al. **Thromb Res** 1982 Apr 1;26(1):1–12

ANTAGONISTS & INHIBITORS

Potent inhibition of thrombin by the newly synthesized arginine derivative No. 805. The importance of stereo-structure of its hydrophobic carboxamide portion. Okamoto S, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):440–6

Progressive development of a thrombin inhibitor binding site. Hibbard LS, et al. **Biochemistry** 1982 May 11; 21(10):2285–92

Inhibition of the platelet-aggregating activity of two human adenocarcinomas of the colon and an anaplastic murine tumor with a specific thrombin inhibitor, dansylarginine N-(3-ethyl-1,5-pentanediyl)amide. Pearlstein E, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4535–9

Influence of benzamidine derivatives on thrombin-induced platelet reactions. Glusa E, et al. **Folia Haematol (Leipz)** 1982;109(1):98–106

Pharmacology of benzamidine-type thrombin inhibitors. Hauptmann J. **Folia Haematol (Leipz)** 1982;109(1):89–97

Studies on the inhibition of human thrombin: effects of plasma and plasma constituents. Lawson WB, et al. **Folia Haematol (Leipz)** 1982;109(1):52–60

N alpha-arylsulfonyl-omega-amidinophenyl-alpha-aminoalk acid amides as specific thrombin inhibitors. Stürzebecher J. **Folia Haematol (Leipz)** 1982;109(1):83–8

Benzamidine derivatives--relationship between antithrombin activity and structure. Walsmann P. **Folia Haematol (Leipz)** 1982;109(1):75–82

In vivo studies of a synthetic inhibitor of thrombin. Collen D, et al. **J Lab Clin Med** 1982 Jan;99(1):76–83

GYKI 14,451, a synthetic tripeptide inhibitor of thrombin: activity on platelet aggregation and arachidonic acid metabolism. Tremoli E, et al. **Pharmacol Res Commun** 1981 Apr;13(4):339–49

Progressive antithrombin activity and the concentration of three thrombin inhibitors in liver cirrhosis. Boneu B, et al. **Thromb Haemost** 1982 Feb 26;47(1):78

GAGs-potentiated inhibition of thrombin, factor Xa and plasmin in plasma and in a purified system containing antithrombin III - correlation with total charge density. Cofrancesco E, et al. **Thromb Haemost** 1981 Dec 23; 46(4):749–51

The in vitro inhibitory effect on thrombin by 2,3-diphosphoglycerate. Del Principe D, et al. **Thromb Haemost** 1981 Oct;46(3):581–3

Acceleration by calcium of the inactivation of thrombin by plasma proteinase inhibitors. Lundblad RL, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):135–46

Studies on the neutralizing mechanism of antithrombin activity of heparin by protamine. Okajima Y, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):21–9

Heparin and protease inhibition. II. The role of heparin in the ATIII inactivation of thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):115–33

Are synthetic inhibitors able to improve factor Xa assays using peptide substrates? Stürzebecher J, et al. **Thromb Res** 1982 May 1;26(3):221–6

[Biochemical pharmacology of various tripeptide aldehydes] Bagdy D, et al. **Folia Haematol (Leipz)** 1982;109(1):22–32 **(Ger)**

[Use of synthetic inhibitors in coagulation physiological tests with peptide substrates] Stürzebecher J, et al. **Folia Haematol (Leipz)** 1982;109(1):157–60 **(Ger)**

[Synthetic inhibitors of serine proteinases. Part 24: Inhibition of trypsin, plasmin and thrombin by cyclic amides of N alpha-arylsulfonylamidinophenyl-glycines (author's transl)] Stürzebecher J, et al. **Pharmazie** 1981;36(7):501–2 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Prothrombinase in alpha-thrombin formation. Seegers WH. **Thromb Res** 1982 May 15;26(4):303–5

IMMUNOLOGY

[Evidence of an immune mechanism for the regulation of hemostatic enzymes] Tsybikov NN, et al. **Biull Eksp Biol Med** 1982 May;93(5):8–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Thrombin-like and fibrinolytic enzymes in the venoms from the Gaboon viper (Bitis gabonica), eastern cottonmouth moccasin (Agkistrodon p. piscivorus) and southern copperhead (Agkistrodon c. contortrix) snakes. Bajwa SS, et al. **Toxicon** 1982;20(2):427–32

[Isolation of venom from Agkistrodon acutus and assay of biological activities of thrombin-like enzyme and other fractions (author's transl)] Teng GQ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar;3(1):21–5 (Eng. Abstr.) **(Chi)**

[Separation and purification of antithrombin III, thrombin and carboxypeptidase N using affinity sorption on the copolymer hydroxyalkylmethacrylate with immobilized heparin (heparinoid)] Rybák M, et al. **Cesk Farm** 1982 Jan; 31(1):27–9 (Eng. Abstr.) **(Cze)**

METABOLISM

Potentiation by calcium ions of the antithrombin III inhibition of thrombin. Long WF, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):363–8

The effects of cell-released protease nexin on the measurement of thrombin binding to mouse cells. Low DA, et al. **Biochem Biophys Res Commun** 1982 Mar 30; 105(2):667–73

Inhibitory action of guanosine 3', 5'-monophosphate on thrombin-induced phosphatidylinositol turnover and protein phosphorylation in human platelets. Takai Y, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):61–7

Two contiguous thrombin fragments of human somatotropin form a functionally active recombinant, but the two homologous fragments from sheep hormone do not. Gráf L, et al. **Biochemistry** 1981 Dec 8;20(25):7251–8

Preparation and application of a photoreactive thrombin analogue: binding to human platelets. Larsen NE, et al. **Biochemistry** 1981 Jul 7;20(14):4141–7

Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196–206

Preliminary evidence that thrombin may mimic a naturally occurring proteinase in cultured cells. Allen RJ, et al. **Biosci Rep** 1981 Nov;1(11):881–4

Studies of the prothrombin activation pathway utilizing radioimmunoassays for the F2/F1 + 2 fragment and thrombin--antithrombin complex. Teitel JM, et al. **Blood** 1982 May;59(5):1086–97

Binding of thrombin to normal and transformed fibroblasts depends on cell density. Pohjanpelto P, et al. **Exp Cell Res** 1981 Aug;134(2):474–7

Enhanced enzyme activity in concentrated salt solutions. Teng CM, et al. **Experientia** 1982 Mar 15;38(3):403–4

On the kinetics of the thrombin-controlled polymerization of fibrin. Visser A, et al. **FEBS Lett** 1982 Jun 1;142(1):35–8

The deacylation of rat platelet phospholipids during thrombin-induced aggregation studied by a fluorescence method. Wolf C, et al. **FEBS Lett** 1981 Dec 7;135(2):285–9

Human somatotropin. Noncovalent interaction of two thrombin fragments restores receptor-binding activity. Gráf L, et al. **Int J Pept Protein Res** 1981 Oct;18(4):409–12

An amphiphilic structure of the ninth component of human complement. Evidence from analysis of fragments produced by alpha-thrombin. Biesecker G, et al. **J Biol Chem** 1982 Mar 10;257(5):2584–90

Production in vitro and properties of a modified form of bovine antithrombin, cleaved at the active site by thrombin. Björk I, et al. **J Biol Chem** 1982 Aug 25;257(16):9487–93

The active site of antithrombin. Release of the same proteolytically cleaved form of the inhibitor from complexes with factor IXa, factor Xa, and thrombin. Björk I, et al. **J Biol Chem** 1982 Mar 10;257(5):2406–11

Isolation of a membrane-bound cofactor for thrombin-catalyzed activation of protein C. Esmon NL, et al. **J Biol Chem** 1982 Jan 25;257(2):859–64

p-Aminobenzamidine as a fluorescent probe for the active site of serine proteases. Evans SA, et al. **J Biol Chem** 1982 Mar 25;257(6):3014–7

Kinetics of the heparin-enhanced antithrombin III/thrombin reaction. Evidence for a template model for the mechanism of action of heparin. Griffith MJ. **J Biol Chem** 1982 Jul 10;257(13):7360–5

Fibrinogen Petoskey, a dysfibrinogenemia characterized by replacement of Arg-A alpha 16 by a histidyl residue. Evidence for thrombin-catalyzed hydrolysis at a histidyl residue. Higgins DL, et al. **J Biol Chem** 1981 Dec 10; 256(23):12013–7

The rate-determining step of the heparin-catalyzed antithrombin/thrombin reaction is independent of thrombin. Pletcher CH, et al. **J Biol Chem** 1982 May 25; 257(10):5342–5

Thrombin-catalyzed activation of human coagulation factor V. Suzuki K, et al. **J Biol Chem** 1982 Jun 10; 257(11):6556–64

Effect of cell density on thrombin binding to a specific site on bovine vascular endothelial cells. Isaacs J, et al. **J Cell Biol** 1981 Sep;90(3):670–4

Specific binding of thrombin by human peripheral blood monocytes: possible role in the clearance of activated clotting factors from the circulation. Goodnough LT, et al. **J Lab Clin Med** 1982 Jun;99(6):873–84

Thrombin generation and fibrin formation following injury to rabbit neointima. Studies of vessel wall reactivity and platelet survival. Groves HM, et al. **Lab Invest** 1982 Jun; 46(6):605–12

Placental protein 5 is related to blood coagulation and fibrinolytic systems. Siiteri JE, et al. **Life Sci** 1982 May 31;30(22):1885–91

Human somatotropin: covalent reconstitution of two polypeptide contiguous fragments with thrombin. Gráf L, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6135–8

Analysis of factor VIII coagulant antigen in normal, thrombin-treated, and hemophilic plasma. Weinstein M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5137-41

New heart attack treatment discussed [news] Kolata G. **Science** 1981 Dec 11;214(4526):1229-30

Evaluation of a heparin assay method using a fluorogenic synthetic peptide substrate for thrombin. Choo IH, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):115-23

Electrochemical activity determination of trypsin-like enzymes. IV. Coupled electrochemical and spectrophotometric assay of thrombin using the same H-D-Phe-Pip-Arg-4 MeO beta naphthylamide, 2HCl (S-2421) substrate. Daraio de Peuriot M, et al. **Thromb Res** 1981 May 1;22(3):303-8

The sensitivity of human and bovine thrombin to heparin in plasma. Denson KW. **Thromb Res** 1981 Aug 1; 23(3):207-13

Degradation by thrombin of denatured collagen and of collagenase digestion products. Fesüs L, et al. **Thromb Res** 1981 May 1;22(3):367-73

Evaluation of a thrombin-sensitive fluorogenic substrate for heparin concentration in plasma. Galluzzo TS, et al. **Thromb Res** 1982 Feb 1;25(3):237-43

Measurement of the heparin enhanced-antithrombin III/thrombin reaction rate in the presence of synthetic substrate. Griffith MJ. **Thromb Res** 1982 Feb 1;25(3):245-53

The release of heparin binding peptides from platelet thrombospondin by proteolytic action of thrombin, plasmin and trypsin. Lawler JW, et al. **Thromb Res** 1981 May 1; 22(3):267-79

Heparin and protease inhibition. I. Heparin complexes with thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1-15;22(1-2):103-14

Production of factor X and factor Xa variants with thrombin, acutin and by autolysis. Teng CM, et al. **Thromb Res** 1981 Apr 1-15;22(1-2):213-20

Coagulant proteinase from Bothrops colombiensis venom. Gabrijelčič D, et al. **Toxicon** 1982;20(1):275-8

Thrombin-like snake venom proteinases. Stocker K, et al. **Toxicon** 1982;20(1):265-73

[In vivo and in vitro degradation of fibrin adhesives (studies in rats)] Pflüger H, et al. **Z Urol Nephrol** 1982 Jan; 75(1):25-30 (Eng. Abstr.) **(Ger)**

[Effect of temperature on the hydrolysis of some synthetic substrates by thrombin and trypsin] Kibirev VK. **Biokhimiia** 1981 Oct;46(10):1799-806 (Eng. Abstr.) **(Rus)**

[Anticoagulating activity and lytic action of the heparin-antithrombin III and antithrombin III-heparin-thrombin complexes on non-stabilized fibrin] Kudriashov BA, et al. **Biokhimiia** 1981 Nov;46(11):2024-9 (Eng. Abstr.) **(Rus)**

[Hydrolysis of methyl esters of N alpha-arylsulfonyl-arginine and N-arylsulfonyl-valyl-arginine by alpha- and beta/gamma-thrombins] Strukova SM, et al. **Biokhimiia** 1982 Apr;47(4):528-33 (Eng. Abstr.) **(Rus)**

[Heparin complex formation with plasma proteins in an analytic ultracentrifuge] Liapina LA, et al. **Biol Nauki** 1982; (3):25-8 **(Rus)**

[Effect of adenalectomy on the initial stage of thrombin clearance in animals with depressed functioning of the anticoagulation system due to long-term maintenance on an atherogenic diet] Ul'ianov AM, et al. **Biol Nauki** 1982; (4):37-41 **(Rus)**

[Mechanism of thrombinogenesis inhibition by phosphatidyl serine] Tersenov OA, et al. **Ukr Biokhim Zh** 1981 Nov-Dec;53(6):26-30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reversible thrombin-induced modification of positional distribution of fatty acids in platelet phospholipids: involvement of deacylation-reacylation. Imai A, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):1092-9

Hirudin, a probe to analyze the growth-promoting activity of thrombin in fibroblasts; reevaluation of the temporal action of competence factors. Van Obberghen-Schilling E, et al. **Biochem Biophys Res Commun** 1982 May 14; 106(1):79-86

Susceptibility of type V collagen to neutral proteases: evidence that the major molecular species is a thrombin-sensitive heteropolymer, [alpha 1(V)]2 alpha 2(V). Sage H, et al. **Biochemistry** 1981 Jun 23; 20(13):3778-84

Arachidonate-induced fibrinogen binding to thrombin-degranulated rabbit platelets is independent of released ADP. Harfenist EJ, et al. **Blood** 1982 May; 59(5):956-62

The use of the synthetic peptide, Gly-Pro-Arg-Pro, in the preparation of thrombin-degranulated rabbit platelets. Harfenist EJ, et al. **Blood** 1982 May;59(5):952-5

Thrombin-mediated release of factor VIII antigen from human umbilical vein endothelial cells in culture. Levine JD, et al. **Blood** 1982 Aug;60(2):531-4

Differential role of fractionated heparin in antithrombin-III proteolysis. Marciniak E. **Blood** 1982 Mar;59(3):576-81

Mechanism of action of human activated protein C, a thrombin-dependent anticoagulant enzyme. Marlar RA, et al. **Blood** 1982 May;59(5):1067-72

Effect of thrombin on isolated canine blood vessels. Janssens WJ, et al. **Blood Vessels** 1982;19(3):126-34

Resistance of normal endothelium to damage by thrombin. Thomas DP, et al. **Br J Haematol** 1982 May;51(1):25-35

Effect of plasminogen activator (urokinase), plasmin, and thrombin on glycoprotein and collagenous components of basement membrane. Liotta LA, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4629-36

Changes in cytoplasmic pH and in membrane potential in thrombin-stimulated human platelets. Horne WC, et al. **Eur J Biochem** 1981 Nov;120(2):295-302

Thrombin induces cell division in rabbit lenses cultured in a completely defined serum-free medium. Reddan JR, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):486-93

Lung fluid balance after pulmonary embolization: effects of thrombin vs. fibrin aggregates. Johnson A, et al. **J Appl Physiol** 1982 Jun;52(6):1565-70

Lysophosphatidic acid potentiates the thrombin-induced production of arachidonate metabolites in platelets. Lapetina EG, et al. **J Biol Chem** 1981 Dec 10; 256(23):11984-7

Specific and saturable binding of plasma fibronectin to thrombin-stimulated human platelets. Plow EF, et al. **J Biol Chem** 1981 Sep 25;256(18):9477-82

Differential effects of calmodulin antagonists on phospholipases A2 and C in thrombin-stimulated platelets. Walenga RW, et al. **J Biol Chem** 1981 Dec 10; 256(23):12523-8

The relationship of serum fibronectin and cell shape to thrombin-induced inhibition of DNA synthesis in human fibroblasts. Hall WM, et al. **J Cell Physiol** 1981 Nov; 109(2):271-80

Thrombin-induced exposure and prostacyclin inhibition of the receptor for factor VIII/von Willebrand factor on human platelets. Fujimoto T, et al. **J Clin Invest** 1982 Jun; 69(6):1212-22

Thrombin-induced platelet membrane glycoprotein IIb and IIIa complex formation. An electron microscope study. Polley MJ, et al. **J Exp Med** 1981 Oct 1;154(4):1058-68

Release of endogenous noradrenaline and 5-hydroxytryptamine from human blood platelets by thrombin. Pletscher A. **J Pharm Pharmacol** 1981 Oct; 33(10):669-70

Endothelium-dependent inhibitory effects of acetylcholine, adenosine triphosphate, thrombin and arachidonic acid in the canine femoral artery. De Mey JG, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):166-73

Stimulus response coupling in human platelets: thrombin-induced changes in pHi. Simons ER, et al. **KROC Found Ser** 1981;15:463-82

Cells regulate their mitogenic response to thrombin through release of protease nexin. Low DA, et al. **Nature** 1982 Jul 29;298(5873):476-8

Effect of the calcium antagonist nimodipine on contractile responses of isolated canine basilar arteries induced by serotonin, prostaglandin F2 alpha, thrombin, and whole blood. White RP, et al. **Neurosurgery** 1982 Mar;10(3):344-8

The effect of thrombin on serum placental protein 5 (PP5): is PP5 the naturally occurring antithrombin III of the human placenta? Salem HT, et al. **Placenta** 1981 Jul-Sep; 2(3):205-9

Hydrolysis of human platelet membrane glycoproteins with a Serratia marcescens metalloprotease: effect on response to thrombin and von Willebrand factor. Cooper HA, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1433-7

Thrombin potentiation of factor VIII procoagulant activity: assessment by the two-stage assay. Kopitsky RG, et al. **Thromb Haemost** 1982 Apr 30;47(2):145-9

Inhibition of thrombin-induced secretion from platelets by chlortetracycline and its analogs. Mürer EH, et al. **Thromb Haemost** 1982 Feb 26;47(1):62-5

Inhibition of thrombin-neutralizing activity of antithrombin III by steroid hormones. Nagasawa H, et al. **Thromb Haemost** 1982 Apr 30;47(2):157-61

Antithrombin assay - the use of human or bovine thrombin and the observation of a 'second' heparin cofactor. Friberger P, et al. **Thromb Res** 1982 Mar 1;25(5):433-6

Thrombin - endothelial cell interactions: critical importance of endothelial cell vessel of origin. Goldsmith JC, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):131-6

The influence of drugs on disseminated intravascular coagulation (DIC). V. Effects of alpha-adrenoceptor blocking agents on thrombin-induced DIC in rats. Nowak G, et al. **Thromb Res** 1981 May 15;22(4):417-25

Inhibition of human coagulation factor Xa by thrombin substrates. Orthner CL, et al. **Thromb Res** 1981 Sep 15; 23(6):533-9

Effect of metabolic inhibitors on thrombin-induced membrane potential changes in washed human platelets. Sepersky SM, et al. **Thromb Res** 1981 Nov 15;24(4):299-306

Role of macromolecular binding site of thrombin molecule in excitation of anticoagulation system. Strukova SM, et al. **Thromb Res** 1982 May 15;26(4):259-66

[Pathogenesis of arteriosclerosis. Thrombin, factor XIII and fibronectin as regulators of fibroblast proliferation, endothelial cells and smooth muscle cells] Bruhn HD, et al. **Med Welt** 1982 Mar 12;33(10):347-51 **(Ger)**

[Sodium phosphocreatine and platelet aggregation. Experimental research in vivo and in vitro] Somma A, et al. **Arch Sci Med (Torino)** 1981 Jul-Sep;138(3):399-402 **(Ita)**

[Regulation of the fluid state of the blood in thymectomized rats following intravenous thrombin administration] Budazhapova DTs, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):285-7 (Eng. Abstr.) **(Rus)**

[Extrusion of ionized clacium as a marker of the platelet release response] Gribauskas PS, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):309-10 (Eng. Abstr.) **(Rus)**

[Thrombin-induced prostaglandin synthesis by thrombocytes under different preservation conditions] Lisovskaia IL, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):18-21 (Eng. Abstr.) **(Rus)**

[Thrombocyte aggregation as affected by thrombin at low cell concentrations in solutions] Samal' AB, et al. **Probl Gematol Pereliv Krovi** 1982 May;27(5):50-3 (Eng. Abstr.) **(Rus)**

[Procoagulant properties of beta/gamma-thrombin] Semenova OA, et al. **Vopr Med Khim** 1982 Jul-Aug; 28(4):137-40 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Conformational differences between high clotting human alpha-thrombin and nonclotting gamma-thrombin. Villanueva GB. **Biochemistry** 1981 Nov 10;20(23):6519-25

Thrombin and haemostasis: regulation of the biological functions of thrombin. (Facts and perspectives). Machovich R, et al. **Haematologia (Budap)** 1981 Dec;14(4):339-59 (100 ref.)

Formation of lysophosphatidylinositol in platelets stimulated with thrombin or ionophore A23187. Billah MM, et al. **J Biol Chem** 1982 May 10;257(9):5196-200

Complex formation between thrombin and thrombomodulin inhibits both thrombin-catalyzed fibrin formation and factor V activation. Esmon CT, et al. **J Biol Chem** 1982 Jul 25;257(14):7944-7

Thrombin-induced platelet responses differ in requirement for receptor occupancy. Evidence for tight coupling of occupancy and compartmentalized phosphatidic acid formation. Holmsen H, et al. **J Biol Chem** 1981 Sep 25; 256(18):9393-6

Effect of membrane cholesterol on phospholipid metabolism in thrombin-stimulated platelets. Enhanced activation of platelet phospholipase(s) for liberation of arachidonic acid. Kramer RM, et al. **J Biol Chem** 1982 Jun 25;257(12):6844-9

Effect of cytochalasin D on thrombin-induced actin filaments in platelets [letter] Masiello NC, et al. **Nature** 1982 Jul 8; 298(5870):202

Glanzmann's thrombasthenia: deficient association of actin with the platelet membrane following thrombin-induced secretion. George JN, et al. **Thromb Res** 1981 May 15; 22(4):503-6

[Formation and functions of thrombin] Hemker HC. **Ned Tijdschr Geneeskd** 1982 Jan 30;126(5):198-203 **(Dut)**

THERAPEUTIC USE

The use of the fibrin adhesion system for local hemostasis in oral surgery. Wepner F, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):555-8

THROMBIN TIME see under **BLOOD COAGULATION TESTS**

THROMBOANGIITIS OBLITERANS

BLOOD

Increased platelet activity after termination of prostacyclin infusion into man. Dembinska-Kiec A, et al. **Prostaglandins** 1981 May;21(5):827-32

CHEMICALLY INDUCED

[Oral contraception and cerebrovascular accidents] Nick J, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):723-30 (Eng. Abstr.) **(Fre)**

[Juvenile arteriopathy and nasal sympathomimetics (letter)] Dezellus P, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2231 **(Fre)**

COMPLICATIONS

Pattern of arterial occlusion in Buerger's disease. Shionoya S, et al. **Angiology** 1982 Jun;33(6):375-84

[A rare case: thromboangiitis obliterans in renal artery stenosis] Keller F, et al. **Med Klin [Prax]** 1982 Feb 12; 77(4):58-62 **(Ger)**

DIAGNOSIS

A case for cerebral thromboangiitis obliterans. Biller J, et al. **Stroke** 1981 Sep-Oct;12(5):686-9

Recurrent pulmonary emboli and Buerger's disease. Fischer MD, et al. **West J Med** 1981 Sep;135(3):238-41

DRUG THERAPY

[A new combined therapy of intra-arterial drug injection and oral traditional Chinese medicines in treatment of thromboangiitis obliterans (author's transl)] Chen ZQ. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):558-60 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Arterial insufficiency of the upper extremity with special reference to Takayasu's arteritis and Buerger's disease. Mishima Y. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr; 23(2):105-8

[Rickettsiosis in vascular pathology. Personal experience] Bartolo M, et al. **Ann Ital Chir** 1981;53(2):247-54 **(Ita)**

PATHOLOGY

[Livedo reticularis with neurological symptoms (author's transl)] Stamm T, et al. **Nervenarzt** 1982 Apr;53(4):211–8 **(Ger)**

RADIOGRAPHY

Buerger's disease revisited. Welling RE. **Angiology** 1982 Apr; 33(4):239–50

Buerger's disease (thromboangiitis obliterans): an analysis of the arteriograms of 119 cases. Suzuki S, et al. **Clin Radiol** 1982 Mar;33(2):235–40

[Crural arterial occlusion in TAO and ASO. With an emphasis on arteriographic differentiation from congenital hypoplasia (author's transl)] Mine H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Apr 25; 41(4):289–99 (Eng. Abstr.) **(Jpn)**

SURGERY

Omental transplantation for chronic occlusive arterial diseases. Hoshino S, et al. **Int Surg** 1979 Aug–Oct; 64(5):21–9

Surgical re-establishment of the arterial circulation in the leg in Buerger's disease—with special reference to the efficacy of prostaglandin E1 used concomitantly. Okamoto Y, et al. **Nippon Geka Hokan** 1981 May;50(3):501–8

THERAPY

[Role of gangliectomy in the combined treatment of thrombotic obliterating diseases of the extremity arteries] Omeliashko AA, et al. **Klin Khir** 1981 Jul;(7):45–7 (Eng. Abstr.) **(Rus)**

THROMBOCYTES see **BLOOD PLATELETS**

THROMBOCYTOPATHY see under **BLOOD PLATELET DISORDERS**

THROMBOCYTOSIS

BLOOD

Evidence that essential thrombocythemia is a clonal disorder with origin in a multipotent stem cell. Fialkow PJ, et al. **Blood** 1981 Nov;58(5):916–9

Functional and morphological studies of platelet reactivity with vessel wall subendothelium in chronic myeloproliferative disease. Sacher RA, et al. **Br J Haematol** 1981 Sep;49(1):43–52

Improvement of platelet aggregation abnormalities in thrombocytosis after thrombocytopheresis. Fabris F, et al. **Folia Haematol (Leipz)** 1981;108(6):853–62

Platelets in primary thrombocythemia: electron microscopic study. Biagini G, et al. **Nouv Rev Fr Hematol** 1982; 24(1):19–26

Primary thrombocythaemia in childhood. Linch DC, et al. **Scand J Haematol** 1982 Jan;28(1):72–6

COMPLICATIONS

Left ventricular mural thrombus in a patient with thrombocytosis and agnogenic myeloid metaplasia. Baker KM, et al. **Arch Intern Med** 1981 Oct;141(11):1527–9

Uncontrolled thrombocytosis in chronic myeloproliferative disorders. Kessler CM, et al. **Br J Haematol** 1982 Jan; 50(1):157–67

Ph1 -positive CML associated with megakaryocytic hyperplasia and thrombocythemia and an abnormality of chromosome no. 3. Carbonell F, et al. **Cancer Genet Cytogenet** 1982 Jun;6(2):153–61

Essential thrombocythaemia and polycythaemia vera presenting with pulmonary embolism mimicing pneumonia. Case reports. Björkholm M, et al. **Haematologica (Pavia)** 1981 Oct;66(5):667–72

Multiple arterial and venous thromboemboli in a man with chronic myelogenous leukemia and occult metastatic breast carcinoma: the significance of thrombocythemia. Klein HG, et al. **South Med J** 1982 Jun;75(6):745–7

[Hemorrhagic ulcerative recto-colitis, thrombocytosis and Weber-Christian disease: a new association] Dubois A, et al. **Union Med Can** 1982 Jan;111(1):65–7 (Eng. Abstr.) **(Fre)**

[Caffey's disease—as an expression of thrombocytosis] Hadari I, et al. **Harefuah** 1982 Feb 1;102(3):109–10 (Eng. Abstr.) **(Heb)**

[Thrombocytosis. Considerations on a case with intestinal thrombosis diagnosed at the age of 4 months and treated with platelet anti-aggregants] Cottafava F, et al. **Minerva Pediatr** 1981 Dec;33(24):1199–202 **(Ita)**

CONGENITAL

Duration of thrombocytosis in infants of polydrug (including methadone) users [letter] Burstein Y, et al. **J Pediatr** 1982 Mar;100(3):506

DIAGNOSIS

The possible value of platelet aggregation studies in patients with increased platelet number. Fabris F, et al. **Blut** 1981 Nov;43(5):279–85

Medical Grand Rounds—chronic granulocytic leukemia with thrombocytosis; the hypercoagulability states. Kossmann CE, et al. **J Tenn Med Assoc** 1981 Oct;74(10):742–3, 745

Essential thrombocythaemia [letter] Preston FE. **Lancet** 1982 May 1;1(8279):1021

Primary thrombocythaemia following splenectomy. O'Donnell JR, et al. **Postgrad Med J** 1981 Aug; 57(670):532–3

[Peripheral vascular occlusion as the primary symptom in essential thrombocytosis] Ingeberg S, et al. **Ugeskr Laeger** 1982 Mar 29;144(13):951–2 (Eng. Abstr.) **(Dan)**

[Case of primary thrombocytosis] Słowiński S, et al. **Wiad Lek** 1981 Oct 1;34(19):1637–40 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Thrombocytosis and thrombocytopenia in rheumatic diseases [letter] Valentini G, et al. **Ann Rheum Dis** 1982 Aug; 41(4):437

Thrombocytopenia and macrothrombocytosis in gestational hypertension. Giles C, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1115–9

Mechanisms of thrombocytosis in Whipple's disease [letter] Corazza GR, et al. **Gastroenterology** 1982 Jan;82(1):165–6

Pseudohyperkalaemia - a cause of diagnostic confusion. Parker NE, et al. **S Afr Med J** 1981 Dec 19;60(25):973–4

[Megakaryocytic pseudomyelosis with severe thrombocytosis] Krug K, et al. **Z Gesamte Inn Med** 1981 Oct 1;36(19):734–7 (Eng. Abstr.) **(Ger)**

[Thrombocytosis in a case of congenital syphilis] Martucci E, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):861–9 **(Ita)**

FAMILIAL & GENETIC

Familial myeloproliferative disease. Hematological and cytogenetic studies. Slee PH, et al. **Acta Med Scand** 1981; 210(4):321–7

Rearrangement of chromosome no. 3 in a case of preleukemia with thrombocytosis. Norrby A, et al. **Cancer Genet Cytogenet** 1982 Mar;5(3):257–63

OCCURRENCE

[Occurrence and clinical relevance of thrombocytosis] Gonzenbach R, et al. **Schweiz Med Wochenschr** 1982 Jan 9;112(2):38–41 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Primary thrombocythemia: clonal origin of platelets, erythrocytes, and granulocytes in a GdB/GdMediterranean subject. Gaetani GF, et al. **Blood** 1982 Jan;59(1):76–9

[Primary thrombocythemia associated with severe gangrene (author's transl)] Hashimoto Y, et al. **Nippon Naika Gakkai Zasshi** 1981 Jul;70(7):1001–6 **(Jpn)**

RADIOTHERAPY

Essential thrombocythemia: response during first year of therapy with melphalan and radioactive phosphorus: a polycythemia Vera Study Group report. Murphy S, et al. **Cancer Treat Rep** 1982 Jul;66(7):1495–500

THERAPY

[Therapeutic thrombocytopheresis in a case of primary thrombocythemia (author's transl)] Suzuki K, et al. **Rinsho Ketsueki** 1982 Feb;23(2):215–23 (Eng. Abstr.) **(Jpn)**

THROMBOELASTOGRAPHY see **THROMBELASTOGRAPHY**

THROMBOEMBOLISM

Venous thromboembolism and pregnancy. Bonnar J. **Clin Obstet Gynaecol** 1981 Aug;8(2):455–73 (49 ref.)

BLOOD

Factors affecting fibrinopeptide-A levels in patients with venous thromboembolism during anticoagulant therapy. Yudelman I, et al. **Blood** 1982 Apr;59(4):787–92

Vitamin K dependent clotting factors and their inhibitor—with special reference to prothrombin and antithrombin III. Gonmori H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Dec;44(7):1466–78

Generation of tissue factor by patient monocytes: correlation to thromboembolic complications. Miller CL, et al. **Thromb Haemost** 1981 Aug 28;46(2):489–95

Blood coagulation and fibrinolysis in fertile women with previous thromboembolic complications and effects of venous occlusion. Hellgren M, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):453–65

[Detection of fibrinolytic split products in patient collections with disordered hemostasis. I. In pathologically verified lung cancer. II. In thrombotic/embolic occurrences] Bube FW, et al. **Folia Haematol (Leipz)** 1981;108(3):447–54 (Eng. Abstr.) **(Ger)**

[The role of thrombocytes in the etiopathogenesis of various vascular disorders] Hopp L. **Orv Hetil** 1981 Dec 13; 122(50):3065–70 **(Hun)**

[Basic laboratory indicators in embolism and acute arterial thrombosis] Maksimović Z, et al. **Srp Arh Celok Lek** 1981 Oct;109(10):1349–53 **(Scc)**

CHEMICALLY INDUCED

Heparin-induced thrombocytopenia with thrombosis and hemorrhage. Kapsch D, et al. **Arch Surg** 1981 Nov; 116(11):1423–7

Paradoxical thromboembolism associated with heparin therapy. A case report and review of the literature. Olin JW, et al. **Cleve Clin Q** 1981 Winter;48(4):379–84

Oral contraceptive hazards—1981. Goldzieher JW. **Tex Med** 1981 Nov;77(11):61–4

[Hormonal contraceptive therapy and thromboembolic disease] Narvaiza MJ, et al. **Rev Med Univ Navarra** 1980 Dec;24(4):49–53 (55 ref.) (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Decidual vasculopathy and extensive placental infarction in a patient with repeated thromboembolic accidents, recurrent fetal loss, and a lupus anticoagulant. De Wolf F, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):829–34

Clinical and hemodynamic results with the St. Jude Medical cardiac valve prosthesis. A three-year experience. Nicoloff DM, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):674–83

Multiple arterial and venous thromboemboli in a man with chronic myelogenous leukemia and occult metastatic breast carcinoma: the significance of thrombocythemia. Klein HG, et al. **South Med J** 1982 Jun;75(6):745–7

[Embolism in a left atrial myxoma—case contribution to its diagnosis and differential diagnosis] Kulick B, et al. **Z Gesamte Inn Med** 1982 Jan 15;37(2):68–71 (Eng. Abstr.) **(Ger)**

[Dynamics of neurologic disorders in the immediate and late postoperative periods in patients with occlusions in the subclavian system] Gorbunov FE, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):56–60 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The significance of fibrinopeptide A (FPA) in the diagnosis of low-grade intravascular coagulation and venous thromboembolism. Van Mourik JA. **Haematologica (Pavia)** 1981 Jun;66(3):259–68 **(Eng, ita)**

Noninvasive tests for thromboembolic disease. Hirsh J. **Hosp Pract** 1982 Sep;17(9):77–85, 89–93

[Contribution of Doppler investigations of the deep venous axes to the prevention and diagnosis of thrombo-embolic disease (author's transl)] Dany F, et al. **J Chir (Paris)** 1982 Feb;119(2):123–33 (22 ref.) (Eng. Abstr.) **(Fre)**

DRUG THERAPY

A simplified method for monitoring heparin therapy at the bedside: the activated whole blood clotting time. Forman WB, et al. **Am J Hematol** 1981 Nov;11(3):277–81

Current status of anticoagulant therapy. Deykin D. **Am J Med** 1982 Apr;72(4):659–64

Resolution of massive renal artery thromboembolism with conservative therapy. Gagnon RF, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1341–3

Sulfinpyrazone and thromboembolism [letter] Loeliger EA. **Circulation** 1981 Nov;64(5):1076–7

Fibrinolytic guidelines in diabetes. Sharma GV, et al. **Geriatrics** 1982 Apr;37(4):38–42, 46

Acetylsalicylic acid in combination with dihydroergotamine for preventing thromboembolism. Zekert F, et al. **Haemostasis** 1982;11(3):149–53

Control of intravascular fibrin formation: heparin versus coumarin congeners. Pilgeram LO. **Thromb Res** 1981 Dec 1–15;24(5–6):405–15

UK-37, 248, a novel, selective thromboxane synthetase inhibitor with platelet anti-aggregatory and anti-thrombotic activity. Randall MJ, et al. **Thromb Res** 1981 Jul 1–15;23(1–2):145–62

[Laboratory control of anticoagulant treatments (author's transl)] Samama M, et al. **J Mal Vasc** 1981;6(4):257–61 (Eng. Abstr.) **(Fre)**

[Therapy and prevention of thromboembolic diseases: anticoagulants and fibrinolytics] Pelosio L, et al. **Clin Ter** 1982 Feb 28;100(4):417–25 (25 ref.) **(Ita)**

[Role of antiaggregant platelet drugs in thromboembolism] Tullio D. **G Ital Cardiol** 1981;11(8):1131–40 (53 ref.) **(Ita)**

ETIOLOGY

Thromboembolic complications of current cardiac valvular prostheses. Edmunds LH Jr. **Ann Thorac Surg** 1982 Jul; 34(1):96–106 (63 ref.)

Computed tomographic scan [letter] Sutherland CM. **Arch Intern Med** 1982 Jan;142(1):200

Systemic thromboembolism in mitral and aortic Starr-Edwards prostheses: a 10–19 year follow-up. Fuster V, et al. **Circulation** 1982 Aug;66(2 Pt 2):I157–61

Migratory thrombophlebitis with disseminated intravascular coagulation due to an occult bronchogenic carcinoma. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1981 Apr-Jun;23(2):100–3

Smoking, oral contraceptives, and thromboembolic disease. Sturtevant FM. **Int J Fertil** 1982;27(1):2–26

Arterial thromboembolism of the upper extremity associated with the thoracic outlet syndrome. Haimovici H. **J Cardiovasc Surg (Torino)** 1982 May-Jun;23(3):214–20

Factors affecting performance and thromboembolism after porcine xenograft cardiac valve replacement. Geha AS,

et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):377–84

The thrombo-embolic disease as a paraneoplastic syndrome. Zuffa M, et al. **Neoplasma** 1982;29(2):241–4

Arterial obstruction as a complication of barium enema examination. Boevé J. **Neth J Surg** 1981 Aug;33(3):127–30

Incidence and prevention of arterial thromboembolic complications in patients with prosthetic heart valves. Dale J, et al. **Scand J Haematol [Suppl]** 1981;38:121–9

Thromboembolic risk in prosthetic valve carriers. Prevention trial. Farah E, et al. **Scand J Haematol [Suppl]** 1981; 38:97–119

[Venous thromboembolic accidents during idiopathic hyperlipaemia] De Gennes JL, et al. **Nouv Presse Med** 1982 May 15;11(23):1777–80 (Eng. Abstr.) **(Fre)**

[Chronic post-embolic cor pulmonale in a child after placement of a ventriculo-atrial shunt for hydrocephalus--anatomic aspects] Normand J, et al. **Pediatrie** 1981 Jun;36(4):283–9 (Eng. Abstr.) **(Fre)**

[Antithrombin III deficiency: an important risk factor for venous thromboembolism] Lechner K, et al. **Dtsch Med Wochenschr** 1982 Jan 29;107(4):145–7 **(Ger)**

[Thromoembolic disease in patients with malignancy (a clinical study of 198 tumor patients) (author's transl)] Honegger HP, et al. **Praxis** 1982 Jun 1;71(22):955–9 (Eng. Abstr.) **(Ger)**

[HDL cholesterol and induced platelet aggregation in elderly subjects, risk index for thrombo-embolic disease] Nubile G, et al. **Boll Soc Ital Biol Sper** 1982 Apr 15;58(7):349–52 (Eng. Abstr.) **(Ita)**

[Risk factors, atherosclerosis and thromboembolism in the nephrotic syndrome] Previato G, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):421–30 (53 ref.) **(Ita)**

[Thromboembolic manifestations in a case of homocystinuria] Zammarchi E, et al. **Pediatria (Napoli)** 1981 Mar 31; 89(1):77–85 (Eng. Abstr.) **(Ita)**

[Cerebrovascular disease and pseudoxanthoma elasticum: apropos of a case] Pieczuro A, et al. **Riv Neurol** 1981 Sep-Oct;51(5):261–73 (37 ref.) (Eng. Abstr.) **(Ita)**

[Hemostatic studies in chronic myeloproliferative disorders: the relation of platelet function, blood coagulation and fibrinolysis with thrombohemorrhagic complication (author's transl)] Niikura H. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):658–74 (Eng. Abstr.) **(Jpn)**

[Traumatic aneurysm of the femoral artery complicated by a thromboembolism of the popliteal artery] Tokmakov MU. **Vestn Khir** 1981 Jul;127(7):87–8 **(Rus)**

FAMILIAL & GENETIC

HLA and venous thromboembolism. Riedel M, et al. **Tissue Antigens** 1981 Oct;18(4):280–1

IMMUNOLOGY

[Venous thromboembolism susceptibility associated with HLA-Cw4] Ivašková E, et al. **Vnitr Lek** 1982 May; 28(5):476–85 (Eng. Abstr.) **(Cze)**

METABOLISM

Hemostasis, thrombosis, and thromboembolic disorders. The role of arachidonic acid metabolites in platelet-vessel wall interactions. Harlan JM, et al. **Med Clin North Am** 1981 Jul;65(4):855–80 (148 ref.)

OCCURRENCE

[Thromboembolic complications following gynecologic operations 1971–1980 at the Varna Obstetrical and Gynecologic Hospital] Kis'ov V. **Akush Ginekol (Sofiia)** 1981;20(5):395–400 (Eng. Abstr.) **(Bul)**

[The risk of thrombo-embolism in pregnancy and in the post-partum period. A review of 28,828 pregnancies (author's transl)] Rudigoz RC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):155–61 (Eng. Abstr.) **(Fre)**

[The mortality from thrombo-embolism following gynaecological operations without anti-coagulation treatment (author's transl)] Strobel E. **Geburtshilfe Fraunheilkd** 1981 Nov;41(11):749–53 (Eng. Abstr.) **(Ger)**

[Postoperative thromboembolic complications in cancer patients] Kapatsinskiĭ EV. **Sov Med** 1981;(7):62–6 (65 ref.) **(Rus)**

PATHOLOGY

Pathology of experimental infections with Pasteurella haemolytica biotype T strain 4 in sheep. Angus KW, et al. **J Comp Pathol** 1981 Apr;91(2):251–61

[Early stages of surface depositions on central venous catheters after 24-hour intravenous blood contact] Müller KM, et al. **Med Welt** 1981 Sep 11;32(37):1362–4 **(Ger)**

[Nonbacterial thrombotic 'endocarditis'] Bambirra EA. **AMB** 1981 Mar;27(3):113–4 **(Por)**

PHYSIOPATHOLOGY

Oral contraceptives and venous thromboembolism. Bergqvist A, et al. **Br J Obstet Gynaecol** 1982 May;89(5):381–6

Coagulation and bleeding: the physiologic Janus [editorial] Aledort LM. **Hosp Pract** 1982 Sep;17(9):13, 16

[Coagulopathic syndromes in acute arterial obstruction] Ivashchenko VV. **Klin Khir** 1981 Jul;(7):62–3 **(Rus)**

PREVENTION & CONTROL

Aspirin and systemic heparinization in diagnostic and interventional neuroradiology. Debrun GM, et al. **AJR** 1982 Jul;139(1):139–42

The relationship between high fibrinolytic activity and daily capsicum ingestion in Thais. Visudhiphan S, et al. **Am J Clin Nutr** 1982 Jun;35(6):1452–8

Heparin prophylaxis: room for improvement [editorial] de Takats G. **Am J Surg** 1982 Jun;143(6):711–2

Aspirin or Coumadin as the drug of choice for valve replacement with porcine bioprosthesis. Nuñez L, et al. **Ann Thorac Surg** 1982 Apr;33(4):354–8

Venous thromboembolism prophylaxis: a survey of its use in the United States. Conti S, et al. **Arch Surg** 1982 Aug; 117(8):1036–40

Greenfield vena caval filter experience: late results in 156 patients. Greenfield LJ, et al. **Arch Surg** 1981 Nov; 116(11):1451–6

Anticoagulants: the state of the art. Gallus AS. **Aust Fam Physician** 1982 Jan;11(1):14–22

Long-term therapy with subcutaneous heparin during pregnancy. Hellgren M, et al. **Gynecol Obstet Invest** 1982; 13(2):76–89

High and low-dose aspirin prophylaxis against venous thromboembolic disease in total hip replacement. Harris WH, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):63–6

Long-term anticoagulant therapy prevents recurrent venous thromboembolism [letter] Raskob G, et al. **J R Soc Med** 1982 Apr;75(4):289

Effects of vitamin E [letter] Gaby AR, et al. **JAMA** 1982 Sep 3;248(9):1066

Drug prophylaxis for arterial thromboembolism--1981. Wessler S. **JAMA** 1981 Nov 27;246(21):2484–7

Sulphinpyrazone in post-myocardial infarction. Report from the Anturan Reinfarction Italian Study. **Lancet** 1982 Jan 30;1(8266):237–42

Ergotism and heparin-dihydroergotamine prophylaxis [letter] Krupp P, et al. **Lancet** 1982 Jun 5;1(8284):1302

Sex difference in antithrombotic effect of sulphinpyrazone [letter] Pay GF, et al. **Lancet** 1982 Feb 20;1(8269):461

Vascular spasm during thromboembolism prophylaxis with heparin-dihydroergotamine [letter] van den Berg E, et al. **Lancet** 1982 Jul 31;2(8292):268–9

Heparin-bonded materials [letter] **N Engl J Med** 1982 Feb 18;306(7):428–9

Prophylaxis of thromboembolism in the neurosurgical patient: a review. Powers SK, et al. **Neurosurgery** 1982 Apr; 10(4):509–13

Effects of tocainide, an oral analogue of lidocaine, on thromboembolism after total hip replacement. Modig J, et al. **Ups J Med Sci** 1981;86(3):269–78

[Prevention of systemic thromboembolic accidents in patients with artificial valve prostheses. Prospective study of an antivitamins K-dipyridamole combination] Starkman C, et al. **Arch Mal Coeur** 1982 Jan;75(1):85–8 (Eng. Abstr.) **(Fre)**

[The prevention of vascular complications after caesarean section. A study of more than 2 000 caesarean operations carried out in one year (1978) in the hospital centres of the West (author's transl)] **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):603–10 (Eng. Abstr.) **(Fre)**

[Thrombo-embolytic prophylaxis using physiotherapy with and without low doses of heparin in gynecology and obstetrics. Results of a controlled and randomized mult-cancer study] Welti H. **Rev Med Suisse Romande** 1981 Nov;101(11):925–34 **(Fre)**

[Study on the prevention of deep venous thrombosis in surgery] Kobel M, et al. **Schweiz Med Wochenschr** 1982 Jan 30;112(5):148–53 (Eng. Abstr.) **(Fre)**

[Ergotism--an important complication of drug therapy in prevention of thromboembolism (letter)] Echterhoff HM, et al. **Dtsch Med Wochenschr** 1981 Dec 11;106(50):1717–8 **(Ger)**

[Ergotism--an important complication of drug thromboembolism prevention (letter)] Krupp P, et al. **Dtsch Med Wochenschr** 1982 Jan 8;107(1):36 **(Ger)**

[Ergotism--a severe complication of drug prevention of thromboembolism (letter)] van den Berg E, et al. **Dtsch Med Wochenschr** 1982 May 7;107(18):716–8 **(Ger)**

[Prevention of thromboemolism in gynecologic surgery] von Hugo R, et al. **Geburtshilfe Fraunheilkd** 1981 Nov; 41(11):811–3 **(Ger)**

[Special problems of thrombosis prophylaxis in trauma surgery] Feldkamp G. **Med Welt** 1981 Jul 31; 32(30-31):1188–94 **(Ger)**

[Use of drug prevention of thromboembolism in gynecology and obstetrics] Genz HJ. **Med Welt** 1981 Jul 31; 32(30-31):1184–7 **(Ger)**

[Thromboembolism prophylaxis in general surgery. Comparative study of complications from acetylsalicylic acid, heparin as well as the combination of acetylsalicylic acid with heparin and dextran] Hocke FM, et al. **Med Welt** 1981 Oct 16;32(42):1582–3 **(Ger)**

[Thromboembolism prophylaxis with reduced bleeding risk. Trials with heparin-dihydroergot 2500] Koppenhagen K, et al. **Med Welt** 1981 Jun 19;32(25):1021–2 **(Ger)**

[Anticoagulants and tumor metastasis. Clinical examination] Lüders K, et al. **Med Welt** 1981 Nov 27;32(48):1855–8 **(Ger)**

[Physiologic principles of coagulation thrombosis prophylaxis] Schmutzler R. **Med Welt** 1981 Jul 31; 32(30-31):1164–6 **(Ger)**

[Heparin dosage and combination possibilities in the prevention of thromboembolism] Schöndorf TH. **Med Welt** 1981 Jul 31;32(30-31):1169–73 **(Ger)**

[The importance of compression in orthopedics] Ansorg H, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):780–1 **(Ger)**

[Modern aspects relating to prophylaxis against thrombo-embolism in gynaecology and obstetrics (author's transl)] Wille P. **Zentralbl Gynakol** 1981;103(15):878–87 (Eng. Abstr.) **(Ger)**

[Prevention and treatment of thrombo-embolic diseases in old age (author's transl)] Heinrich HG, et al. **ZFA (Dresden)** 1981;36(2):105–9 **(Ger)**

[Comparative study of low-dose heparin and syncumar therapy in the prevention of thromboembolism in myocardial infarct] Brenner F, et al. **Orv Hetil** 1981 Jul 5;122(27):1655–6 **(Hun)**

[Syncumar or low doses of heparin in the prevention of thromboembolism in acute myocardial infarct? (letter)] Rák K, et al. **Orv Hetil** 1981 Nov 15;122(46):2871–2 **(Hun)**

[Prevention of thromboembolism in auricular fibrillation in mitral valve disease] Kalunžna J, et al. **Pol Tyg Lek** 1981 Aug 24;36(34):1293–6 (Eng. Abstr.) **(Pol)**

[Our experience using nicotinic acid for preventing thromboembolic complications] Chekalina SI, et al. **Sov Med** 1982;(5):105–8 **(Rus)**

[Clinical and experimental study of thromboembolism of the portal vein during acute intestinal obstruction] Darenskiĭ DI, et al. **Vestn Khir** 1981 Dec;127(12):57–62 (Eng. Abstr.) **(Rus)**

[Postoperative thromboprophylaxis (author's transl)] Koržinek K. **Lijec Vjesn** 1981;103(4-5):169–75 (Eng. Abstr.) **(Scr)**

[The results of prophylactic use of prothrombinopenic agents in orthopedics and traumatology (author's transl)] Koržinek K. **Lijec Vjesn** 1981 June;103(6):248–52 (Eng. Abstr.) **(Ser)**

[Experiences with anticoagulant treatment in fractures of the proximal part of the femur (author's transl)] Kováč M, et al. **Acta Chir Orthop Traumatol Cech** 1981;48(6):549–53 (Eng. Abstr.) **(Slo)**

[Heparin prophylaxis and hypercoagulability in traumatology] Torras Barba J, et al. **Rev Clin Esp** 1981 Dec 15;163(5):319–21 (Eng. Abstr.) **(Spa)**

[Therapeutic advances in thromboembolic disease. I. Dihydroergotamine + heparin] de Diego I, et al. **Sangre (Barc)** 1981;26(4):471–83 (58 ref.) **(Spa)**

RADIOGRAPHY

[Air-travel thrombosis] Marshall M. **MMW** 1982 Apr 30; 124(17):83 **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide venography using continuous Kr-18 m infusion: preliminary note. Ham HR, et al. **Clin Nucl Med** 1981 Oct;6(10):461–2

SURGERY

Management of major thromboembolic complications of umbilical artery catheters. O'Neill JA Jr, et al. **J Pediatr Surg** 1981 Dec;16(6):972–8

Recognizing and managing acute lower extremity thrombosis. Daniel TM. **Va Med** 1981 Aug;108(8):544–6

[Surgical treatment of thromboembolism in the acute period of myocardial infarct] Shevtosv BP, et al. **Kardiologila** 1981 Oct;21(10):106–7 **(Rus)**

[Thrombendarterectomy with autovenous plastic repair of the common femoral artery in an acute myocardial infarct patient] Shilov AM, et al. **Kardiologila** 1982 Apr; 22(4):103–5 **(Rus)**

THERAPY

Arterial thromboembolism in cardiovascular diseases: the therapeutics of today. **Scand J Haematol [Suppl]** 1981; 38:1–141

[Typical risks in the therapy of obliterating vascular diseases] Stelter WJ. **Internist (Berlin)** 1982 Mar;23(3):144–7 **(Ger)**

[Heparin, streptokinase or surgical therapy in manifest thromboembolic diseases] Bruhn HD. **Med Welt** 1982 Jan 15;33(2):62–5 (30 ref.) **(Ger)**

VETERINARY

Ultrastructure of Haemophilus somnus, causative agent of bovine infectious thromboembolic meningoencephalitis. Stephens LR, et al. **Am J Vet Res** 1981 Sep;42(9):1638–40

Vaccination of cattle against experimentally induced thromboembolic meningoencephalitis with a Haemophilus somnus bacterin. Stephens LR, et al. **Am J Vet Res** 1982 Aug;43(8):1339–42

An example of an economic decision analysis approach to the problem of thromboembolic meningoencephalitis (TEME) in feedlot cattle. Davidson JN, et al. **Cornell Vet** 1981 Oct;71(4):383–90

Noniatrogenic rectal tears in three horses. Slone DE, et al. **J Am Vet Med Assoc** 1982 Apr 1;180(7):750–1

THROMBOLYTIC AGENTS see FIBRINOLYTIC AGENTS

THROMBOPENIA

BLOOD

Errors in platelet counts [letter] Dumoulin-Lagrange M, et al. **Am J Clin Pathol** 1982 Apr;77(4):511-2

Hypertriglyceridemia associated with thrombocytopenia and lipoprotein lipase deficiency [letter] Romics L. **Ann Intern Med** 1981 Nov;95(5):660-1

Neonatal thrombocytopenia. Merchant R, et al. **Indian J Pediatr** 1981 Jul-Aug;48(393):447-3

Normal coagulation findings, thrombocytopenia, and peripheral hemoconcentration in neonatal polycythemia. Katz J, et al. **J Pediatr** 1982 Jul;101(1):99-102

Upshaw-Schulman syndrome and fibronectin (cold insoluble globulin) [letter] Koizumi S, et al. **N Engl J Med** 1981 Nov 19;305(21):1284-5

Effect of human thrombocytopenic serum on the cultured endothelial cell growth. Nakajima T, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):190-2

Increased platelet destruction. Neame PB, et al. **Semin Thromb Hemostas** 1982 Apr;8(2 Pt 1):75-82 (126 ref.)

Severe thrombocytopenia delays but does not prevent the occlusion of an arterial prosthesis in rats. Reyers I, et al. **Thromb Haemost** 1981 Aug 28;46(2):558-60

Reduced plasma thromboxane elevation during partial cardiopulmonary bypass in thrombocytopenic sheep. Wonders TR, et al. **Trans Am Soc Artif Intern Organs** 1981; 27:276-9

[Effect of splenectomy on blood serum thrombopoietic activity (ATS) in patients with hematopoietic diseases] Sylwestrowicz T, et al. **Acta Haematol Pol** 1981 Jan-Mar; 12(1):29-36 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Appearance of thrombocytopenia and benign monoclonal gammopathy following intake of drugs [letter] Berliner S, et al. **Acta Haematol (Basel)** 1982;67(1):71-2

Ocular toxoplasmosis treated with pyrimethamine [letter] Colebunders R, et al. **Am J Ophthalmol** 1982 Mar; 93(3):371-2

Complications of heparin-induced thrombocytopenia. Lefemine AA. **Am Surg** 1982 May;48(5):202-6

Amphotericin-B-induced thrombocytopenia. Chan CS, et al. **Ann Intern Med** 1982 Mar;96(3):332-3

Amegakaryocytic thrombocytopenia and an analgesic [letter] Font J, et al. **Ann Intern Med** 1981 Dec;95(6):783

Morphine-induced immune thrombocytopenia. Cimo PL, et al. **Arch Intern Med** 1982 Apr;142(4):832-4

Heparin-induced thrombocytopenia with thrombosis and hemorrhage. Kapsch D, et al. **Arch Surg** 1981 Nov; 116(11):1423-7

Severe, reversible thrombocytopenia associated with meclofenamate. Schimizzi GF, et al. **Arthritis Rheum** 1982 Mar;25(3):359-60

Thrombocytopenia and haemolytic anaemia due to feprazone. Bell PM, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):17

Sodium valproate and thrombocytopenia [letter] Hoffman LM. **Can Med Assoc J** 1982 Feb 15;126(4):358-9

Ethambutol-induced thrombocytopenia. Rabinovitz M, et al. **Chest** 1982 Jun;81(6):765-6

Paradoxical thromboembolism associated with heparin therapy. A case report and review of the literature. Olin JW, et al. **Cleve Clin Q** 1981 Winter;48(4):379-84

Severe leukopenia and thrombocytopenia secondary to quinidine. Nair MR, et al. **Clin Cardiol** 1981 Sep-Oct; 4(5):247, 257

Toxic epidermal necrolysis, leucopenia and thrombocytopenic purpura--a further complication of Benoxaprofen therapy. Fenton DA, et al. **Clin Exp Dermatol** 1982 May;7(3):277-79

Thrombocytopenia associated with meclofenamate [letter] Rodriguez J. **Drug Intell Clin Pharm** 1981 Dec;15(12):999

Reversible flu-like syndrome, leukopenia, and thrombocytopenia induced by allopurinol. Rosenbloom D, et al. **Drug Intell Clin Pharm** 1981 Apr;15(4):286-7

Nonrecurrence of cephalothin-associated granulocytopenia and thrombocytopenia. Naraqi S, et al. **J Infect Dis** 1982 Feb;145(2):281

Valproic acid and thrombocytopenia. Case report. Patel CC, et al. **J Ky Med Assoc** 1982 Apr;80(4):213-5

Thrombocytopenia and thrombosis associated with heparin therapy. Copeland RB. **J Med Assoc Ga** 1982 Apr; 71(4):263-4

Prophylactic use of TMP-SMZ in leukemia [letter] Lanzkowsky P, et al. **J Pediatr** 1982 Jun;100(6):1002-3

Transient neutropenia and thrombocytopenia due to benoxaprofen [letter] Leen C, et al. **Lancet** 1982 Jun 5; 1(8284):1302

Heparin induced thrombocytopenia: case reports and a prospective study. Romeril KR, et al. **NZ Med J** 1982 Apr 28;95(706):267-9

Thrombocytopenia associated with minidose heparin therapy. Cheng TC. **Postgrad Med** 1981 Dec;70(6):73-4, 76, 78

Thrombocytopenia during diethylstilbestrol diphosphate (stilphostrol) infusion for carcinoma of the prostate. Nachtsheim DA, et al. **Prostate** 1980;1(1):105-9

Does hypothyroidism predispose to gold-induced thrombocytopenia? Hunter JA, et al. **Scott Med J** 1982 Jul;27(3):247-9

Drug-induced platelet destruction. Hackett T, et al. **Semin Thromb Hemostas** 1982 Apr;8(2 Pt 1):116-37 (192 ref.)

Thromboneutropenia and levamisole. Andes WA. **South Med J** 1982 Jul;75(7):895-6

Cimetidine-induced thrombocytopenia. Glotzbach RE. **South Med J** 1982 Feb;75(2):232-4

Quinidine toxicity [letter] Grossman J. **South Med J** 1982 Apr;75(4):514

Impaired clot retraction in thrombocytopenia due to methyldopa. Polk OD, et al. **South Med J** 1982 Mar; 75(3):374-5

Cimetidine and cytopenia. Selker HP, et al. **West J Med** 1981 Oct;135(4):330-6

Thrombocytopenia due to sulfonamide cross-sensitivity. Bretza JA. **Wis Med J** 1982 Jun;81(6):21-3

[Thrombopenia of immune origin during heparin therapy (letter)] Duthilleul P, et al. **Nouv Presse Med** 1982 May 22;11(24):1879-80 **(Fre)**

[Thrombopenia following treatment with cimetidine (letter)] Reiffers J, et al. **Nouv Presse Med** 1981 Aug 29-Sep 5; 10(31):2586-7 **(Fre)**

[Thrombopenia and intravascular coagulation during heparin treatment (letter)] Roussi J, et al. **Nouv Presse Med** 1982 Jan 16;11(2):132-3 **(Fre)**

[Aggregometric study of anti-thrombocyte plasma factor in heparin-induced thrombocytopenia] Fazakas B, et al. **Orv Hetil** 1982 Jan 24;123(4):201-5 **(Hun)**

[Clinico-hematological analysis and results of treatment of drug-induced thrombopenia] Słomkowski M, et al. **Pol Tyg Lek** 1981 Apr 13;36(15):521-3 (Eng. Abstr.) **(Pol)**

[Allergic thrombopenia caused by trichloroethylene] Banach S, et al. **Wiad Lek** 1981 May 1;34(9):785-8 **(Pol)**

COMPLICATIONS

Thrombocytopenia: a uniform complication of African trypanosomiasis. Davis CE. **Acta Trop (Basel)** 1982 Jun; 39(2):123-33

Variable presentation of thrombocytopenia in Graves' disease. Adrouny A, et al. **Arch Intern Med** 1982 Aug; 142(8):1460-4

Sjögren's syndrome with IgG kappa paraprotein and thrombocytopenia [letter] Berrebi A, et al. **Arthritis Rheum** 1981 Nov;24(11):1451-2

Recurrence of thrombocytopenia in patients splenectomized for idiopathic thrombocytopenic purpura. Pawelski S, et al. **Blut** 1981 Dec;43(6):355-60

Thrombocytopenia, absent radius syndrome: report of two siblings and a review of the hematologic and genetic features. Dell PC, et al. **Clin Orthop** 1982 Jan-Feb; (162):129-34

A new manifestation of thrombocytopenia: myocardial haemorrhage with symptomatic arrhythmia. Wyld PJ, et al. **J Clin Pathol** 1982 Aug;35(8):858-60

Hereditary nephritis associated with May-Hegglin anomaly. Brivet F, et al. **Nephron** 1981;29(1-2):59-62

Sarcoidosis associated with autoimmune thrombocytopenia and selective IgA deficiency. Thomas LL, et al. **Scand J Haematol** 1982 Apr;28(4):357-9

[Are thrombopenias of cirrhotics an indication of splenectomy? (author's transl)] Boivin P. **Acta Gastroenterol Belg** 1981 Mar-Apr;44(3-4):203-11 (Eng. Abstr.) **(Fre)**

[A case of Sjögren's syndrome with pulmonary hypertension, hypergammaglobulinemia and thrombocytopenia (author's transl)] Sakimura K, et al. **Nippon Naika Gakkai Zasshi** 1982 Jan 10;71(1):71-6 **(Jpn)**

[A case of interhemispheric subdural hematoma associated with thrombocytopenia (author's transl)] Izawa M, et al. **No Shinkei Geka** 1982 May;10(5):557-60 (Eng. Abstr.) **(Jpn)**

CONGENITAL

Congenital thrombocytopenia, hepatosplenomegaly, and growth retardation. A clinicopathologic conference. Hoekelman RA, et al. **Am J Dis Child** 1982 Mar; 136(3):258-64

Thrombocytopenia with absent radii. Leclerc J, et al. **Can Med Assoc J** 1982 Mar 1;126(5):506-8

Nonbacterial endocardial thrombosis in neonates: relationship to persistent fetal circulation. Morrow WR, et al. **J Pediatr** 1982 Jan;100(1):117-22

Fibronectin levels in congenital thrombocytopenia: Schulman's syndrome. Goodnough LT, et al. **N Engl J Med** 1982 Apr 15;306(15):938-9

[Massive intracranial hemorrhage and neonatal thrombopenia caused by fetomaternal iso-immunization in the PLA system] Faverge B, et al. **Pediatrie** 1982 Jan-Feb; 37(1):37-40 (Eng. Abstr.) **(Fre)**

[Landolt syndrome] Seidlein H, et al. **Ortop Travmatol Protez** 1982 Feb;(2):59-61 **(Rus)**

DIAGNOSIS

Prenatal ultrasound diagnosis of thrombocytopenia with absent radii. Luthy DA, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):350-1

Syndrome of hemolysis, elevated liver enzymes, and low platelet count: a severe consequence of hypertension in pregnancy. Weinstein L. **Am J Obstet Gynecol** 1982 Jan 15;142(2):159-67

Electronically determined platelet indices in thrombocytopenic patients. Nelson RB 3d, et al. **Cancer** 1981 Aug 15;48(4):954-6

Isolated peripheral thrombocytopenia as presenting symptom in preleukemia: a report of two cases with 11q+. Tricot G, et al. **Cancer Genet Cytogenet** 1982 Feb;5(2):147-51

The use of a protein A-Sepharose column in the detection of platelet-associated IgG. McVeigh DJ, et al. **Thromb Res** 1981 Sep 15;23(6):559-62

[Diagnosis and treatment of a neonatal isoimmuno-thrombocytopenia] Schmidt B, et al. **Helv Paediatr Acta** 1981 Nov;36(5):445-9 (Eng. Abstr.) **(Ger)**

[Thrombocytopenia and pregnancy] Barkhatova TP, et al. **Akush Ginekol (Mosk)** 1981 Oct;(10):55-7 **(Rus)**

DRUG THERAPY

Pulse corticosteroid therapy for refractory thrombocytopenia in systemic lupus erythematosus. Lurie DP, et al. **J Rheumatol** 1982 Mar-Apr;9(2):311-4

Prostacyclin in Falciparum malaria [letter] Weston MJ, et al. **Lancet** 1982 Sep 11;2(8298):609

Steroid administration in pregnant women with autoimmune thrombocytopenia [letter] **N Engl J Med** 1982 Mar 25; 306(12):744-5

Prednisone corrects the prolonged bleeding time in thrombocythaemia [letter] Viero P, et al. **Thromb Haemost** 1982 Apr 30;47(2):188

[Therapy of polycythemia vera and essential thrombocythemia with carboquone (author's transl)] Niikura H, et al. **Rinsho Ketsueki** 1981 Nov;22(11):1700-7 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Posttransfusion syndrome. Rash, eosinophilia, and thrombocytopenia following intrauterine and exchange transfusions. Chudwin DS, et al. **Am J Dis Child** 1982 Jul; 136(7):612-4

Peripheral destruction of platelets in chronic lymphocytic leukemia: recognition, prognosis and therapeutic implications. Rubinstein DB, et al. **Am J Med** 1981 Oct; 71(4):729-32

Thrombocytopenia in leptospirosis. Edwards CN, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):827-9

Primary hemostasis after massive transfusion for injury. Harrigan C, et al. **Am Surg** 1982 Aug;48(8):393-6

Thrombocytosis and thrombocytopenia in rheumatic diseases [letter] Valentini G, et al. **Ann Rheum Dis** 1982 Aug; 41(4):437

Effects of exchange transfusion on platelet counts. Jasso-Gutiérrez L, et al. **Arch Invest Med (Mex)** 1981; 12(3):297-306 **(Eng, Spa)**

Thrombocytopenia in heroin users [letter] Passariello N, et al. **Blood** 1982 Jul;60(1):276

Recurrent thrombocytopenia, erythroid hypoplasia and sideroblastic anaemia associated with hypothermia. O'Brien H, et al. **Br J Haematol** 1982 Jul;51(3):451-6

Thrombocytopenia and macrothrombocytosis in gestational hypertension. Giles C, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1115-9

ABC of alcohol [letter] **Br Med J [Clin Res]** 1982 Feb 13; 284(6314):510-1

Coagulation and platelet changes after thermal injury in man [letter] Gabilondo J. **Burns Incl Therm Inj** 1982 Mar; 8(4):302

Recurrent thrombocytopenia caused by accessory spleen: a case report. Madura JA, et al. **J Indiana State Med Assoc** 1982 Jan;75(1):46-9

Pneumococcal-vaccine-induced thrombocytopenia [letter] Citron ML, et al. **JAMA** 1982 Sep 10;248(10):1178

Concomitant hemophilia and thrombocytopenia [letter] Suffredini A, et al. **JAMA** 1982 May 14;247(18):2497-8

Autoimmune thrombocytopenia after autologous bone-marrow transplantation [letter] Minchinton RM, et al. **Lancet** 1982 Aug 14;2(8294):391

Maternal antibodies and neonatal thrombocytopenia [letter] Sørensen PG, et al. **Lancet** 1982 Feb 20;1(8269):452

Immune thrombocytopenic purpura and pregnancy. Cines DB, et al. **N Engl J Med** 1982 Apr 8;306(14):826-31

Thrombocytopenic purpura after smallpox vaccine. Burke PJ, et al. **Pa Med** 1981 Sep;84(9):49-50

Natural history of severe thrombocytopenia in infectious mononucleosis. Wong SY, et al. **Postgrad Med J** 1982 Apr; 58(678):249-51

Pseudothrombocytopenia. In vitro studies on the underlying mechanism. Manthorpe R, et al. **Scand J Haematol** 1981 May;26(5):385-92

Thrombocytopenia in progressive lethal canine peritonitis. Sugerman HJ, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):193-6

[Sarcoidosis with acute severe peripheral thrombopenia (letter)] James JM, et al. **Nouv Presse Med** 1981 Dec 26; 10(47):3853 **(Fre)**

[Autoimmune thrombopenia in sclerodermia associated with Gougerot-Sjögren syndrome] Segond P, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):725-7 **(Fre)**

[Immunothrombocytopenia of the newborn caused by platelet-specific antibodies (anti-PIA1) (author's transl)] Mueller-Eckhardt C, et al. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):216-9 (Eng. Abstr.) **(Ger)**

[Chronic defibrination syndrome and thrombocytopenia in splenic hamartoma (splenoma)] Syfrig B, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):942-6 (Eng.

Abstr.) (Ger)
[Severe macrothrombocytic thrombopenia during alcoholic liver cirrhosis] Pazzi A, et al. **G Clin Med** 1981 Sep; 62(9):634–47 (Eng. Abstr.) (Ita)
[Considerations on 93 cases of idiopathic thrombopenia observed in the 5-year period of 1974–1978] Lupi L, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):647–71 (Eng. Abstr.) (Ita)
[The mechanism of the thrombocytopenia in patients with hepatic cirrhosis (author's transl)] Watanabe Y. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jun;78(6):1216–25 (Eng. Abstr.) (Jpn)
[Platelet participation in hemostasis disorders in patients with lymphoproliferative syndromes] Zawilska K, et al. **Pol Arch Med Wewn** 1981 Oct;66(4):297–302 (Eng. Abstr.) (Pol)
[Thrombocytopenia–absent radius syndrome (author's transl)] Aledo AG, et al. **An Esp Pediatr** 1982 Jan;16(1):82–7 (Eng. Abstr.) (Spa)
[Severe thrombopenia in disseminated herpes zoster] Cuesta J, et al. **Rev Clin Esp** 1981 May 31;161(4):265–7 (Spa)

FAMILIAL & GENETIC

Hereditary thrombotic thrombocytopenic purpura: microangiopathic hemolytic anemia, thrombocytopenia, and renal insufficiency occurring in consecutive generations. Kirchner KA, et al. **Nephron** 1982;30(1):28–30

IMMUNOLOGY

Complement-fixing platelet autoantibodies in autoimmune thrombocytopenia. Kayser W, et al. **Am J Hematol** 1981 Sep;11(2):213–9
Nature of platelet antibody in Evans syndrome: a case report. Kakaiya RM, et al. **Ann Clin Lab Sci** 1981 Nov–Dec; 11(6):511–5
Enzyme labeled immunosorbant assay (ELISA) for detection of platelet antibodies. Saleem A, et al. **Ann Clin Lab Sci** 1982 Jan–Feb;12(1):68–72
Pseudothrombocytopenia: an immunologic study on platelet antibodies dependent on ethylene diamine tetra-acetate. Pegels JG, et al. **Blood** 1982 Jan;59(1):157–61
Specificity of autoantibodies in autoimmune thrombocytopenia. van Leeuwen EF, et al. **Blood** 1982 Jan; 59(1):23–6
Heparin-induced thrombocytopenia: effect of heparin platelet antibody on platelets. Chong BH, et al. **Br J Haematol** 1981 Dec;49(4):531–40
The Evans syndrome: characterization of the responsible autoantibodies. Pegels JG, et al. **Br J Haematol** 1982 Jul; 51(3):445–50
Relationship of raised platelet IgG in thrombocytopenia to total platelet protein content. Pfueller SL, et al. **Br J Haematol** 1981 Oct;49(2):293–302
Immune-mediated platelet destruction and thrombocytopenia in patients with solid tumours. Schwartz KA, et al. **Br J Haematol** 1982 May;51(1):17–24
Antibody-dependent cellular cytotoxicity with platelets as the target cell: potential application to the study of immune thrombocytopenia. Gengozian N, et al. **Clin Exp Immunol** 1982 Feb;47(2):431–6
Quantitation of antiplatelet antibodies by radioimmunoassay in sera of patients with immune thrombocytopenia. Romano EL, et al. **Haematologica (Pavia)** 1981 Oct;66(5):597–604
Isoimmune neonatal thrombocytopenia in twin infants. McGuire S, et al. **Ir J Med Sci** 1982 Jan;151(1):24–5
Autoimmune thrombocytopenia acquired from an allogeneic bone-marrow graft. Minchinton RM, et al. **Lancet** 1982 Sep 18;2(8299):627–9
Effect of steroids on placental transfer of platelet autoantibodies [letter] Waters AH, et al. **Lancet** 1982 Apr 3;1(8275):794
Primary and secondary autoimmune thrombocytopenia. A serological and clinical analysis. Helmerhorst FM, et al. **Scand J Haematol** 1982 Apr;28(4):319–28
A megakaryocytic thrombocytopenia associated with the excess of Leu 2a+ suppressor cells. Worman CP, et al. **Scand J Haematol** 1982 Mar;28(3):215–9
Simultaneous enzymo-immunologic assays of platelet associated IgG, IgM and C3. A useful tool in assessment of immune thrombocytopenias. Follea G, et al. **Thromb Res** 1982 May 15;26(4):249–58
Detection of platelet-bound and serum antibodies in autoimmune thrombocytopenia by enzyme-linked assay. Hegde UM, et al. **Vox Sang** 1981 Nov–Dec;41(5–6):306–12
[Acute brucellosis with thrombopenia and cytotoxic antibodies (letter)] Dellamonica P, et al. **Nouv Presse Med** 1982 Jul 10–17;11(32):2418 (Fre)
[Neonatal alloimmune thrombocytopenia] Mueller-Eckhardt C. **Dtsch Med Wochenschr** 1982 Feb 12;107(6):228–30 (25 ref.) (Ger)
[Fluorescent patterns of platelet associated IgG as a autoantibody and IgG bound Fc receptor on platelet by fluorescent antibody technique and immune complex in serum of patients with various thrombocytopenia (author's transl)] Oki H, et al. **Rinsho Byori** 1981 May;29(5):517–24 (Jpn)
[Detection of immune complexes in idiopathic thrombopenia] Bragiel I, et al. **Acta Haematol Pol** 1980 Oct–Nov; 11(4):267–74 (Eng. Abstr.) (Pol)

METABOLISM

Inflammatory fluid, plasma, and serum growth factor activity for early passage rabbit fibroblasts. The effect of leukopenia and thrombocytopenia in polyvinyl sponge implanted rabbits. Wiener SL, et al. **Connect Tissue Res** 1981; 9(1):33–50

OCCURRENCE

Incidence and cause of aplastic anemia, hemolytic anemia, agranulocytosis and thrombocytopenia. Böttiger LE, et al. **Acta Med Scand** 1981;210(6):475–9

PHYSIOPATHOLOGY

Prediction of haemorrhagic diathesis in thrombocytopenia by mean platelet volume. Eldor A, et al. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):397–400
Comments on effect of thrombocytopenia on wound healing: a study in the rat [letter] Moore S. **Exp Mol Pathol** 1982 Feb;36(1):129–31

PREVENTION & CONTROL

Neonatal immune thrombocytopenia—the doctor's dilemma [editorial] Handin RI. **N Engl J Med** 1981 Oct 15; 305(16):951–3

THERAPY

Interesting but unclear [letter] Reiss RF. **Am J Clin Pathol** 1982 Mar;77(3):373–4
Effect of HLA Bw4/Bw6 compatibility on platelet transfusion responses of refractory thrombocytopenic patients. McElligott MC, et al. **Blood** 1982 May;59(5):971–5
Radicular vessels are the most probable source of needle-induced blood in lumbar puncture: significance for the thrombocytopenic cancer patient. Breuer AC, et al. **Cancer** 1982 May 15;49(10):2168–72
Vinblastine-loaded platelets—their effect in a patient with immune thrombocytopenia associated with Waldenstrom's macroglobulinaemia. Lee R, et al. **Clin Lab Haematol** 1982; 4(1):61–5
Predictive value of lymphocytotoxic test and platelet aggregometry for the effect of transfused platelet concentrates. Kotelba-Witkowska B, et al. **Haematologia (Budap)** 1981 Dec;14(4):375–81
Transfusion experience with platelet concentrates stored for 24 to 72 hours at 22 degrees C. Importance of storage time. Lazarus HM, et al. **Transfusion** 1982 Jan–Feb;22(1):39–43
Clinical evaluation of platelet transfusions in thrombocytopenic patients: methods and interpretation. Kahn RA. **Vox Sang** 1981;40 Suppl 1:87–97
[Macrophage injury—a new method of treating idiopathic thrombocytopenia (editorial)] Kuratowska Z. **Pol Tyg Lek** 1982 May 3;37(9–10):253–4 (Pol)

VETERINARY

Thrombocytopenia and hemorrhage associated with gold salt therapy for bullous pemphigoid in a dog. Fadok VA, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):261–2
Vincristine in the treatment of thrombocytopenia in five dogs. Greene CE, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):140–3
Idiopathic thrombocytopenia in a mare. Hammill D, et al. **Mod Vet Pract** 1981 May;62(5):392
Autoimmune thrombocytopenia in dogs and cats. Jain NC, et al. **Vet Clin North Am [Small Anim Pract]** 1981 May; 11(2):421–34

THROMBOPHLEBITIS

Deep vein thrombosis in association with a circulating endogenous anticoagulant. MacKay RJ, et al. **J Pediatr** 1982 Jul;101(1):75–8
The management of deep venous thrombosis. Jamieson GG. **Med J Aust** 1981 Oct 31;2(9):484–6
[Superficial and deep thromboses. Prophylaxis, diagnosis and conservative therapy (author's transl)] Lindemayr W. **Z Hautkr** 1982 Feb 1;57(3):162–76 (Eng. Abstr.) (Ger)

BLOOD

Antithrombin III deficiency: decreased synthesis of a biochemically normal molecule. Ambruso DR, et al. **Blood** 1982 Jul;60(1):78–83
Plasma and urine beta-thromboglobulin concentration in patients with deep vein thrombosis. de Boer AC, et al. **Blood** 1981 Oct;58(4):693–8
A possible role of antithrombin III in venous thrombosis among alcoholics. Wadstein J, et al. **Drug Alcohol Depend** 1982 Apr;9(2):177–9
Factor XII assay with the chromogenic substrate chromozym PK. Dick W, et al. **J Clin Chem Clin Biochem** 1981 Jun; 19(6):357–61
First component of complement and thrombosis. Wautier JL, et al. **Thromb Haemost** 1981 Jun 30;45(3):247–51
[Venous thrombosis, circulating anticoagulant and systemic lupus erythematosus. Two cases reported in two identical HLA sisters (author's transl)] Perraudin ML, et al. **Sem Hop Paris** 1981 Dec 8–15;57(45–46):1913–9 (Eng. Abstr.) (Fre)
[The role of thrombocytes in the etiopathogenesis of various vascular disorders] Hopp L. **Orv Hetil** 1981 Dec 13; 122(50):3065–70 (Hun)
[Effect of therapeutic naphthalane oil on hemostasis] Gulieva SA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan–Feb; (1):39–41 (Rus)
[Time to reevaluate the sedimentation test?] Lundmark S. **Lakartidningen** 1981 Sep 30;78(40):3501 (Swe)

CHEMICALLY INDUCED

Local discomfort and thrombophlebitis following intravenous injection of diazepam. A comparison between a glycoferol-water solution and a lipid emulsion. Selander D, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):516–8
Chemical phlebothrombosis of large veins. A not uncommon complication of total parenteral nutrition. Freund HR. **Arch Surg** 1981 Sep;116(9):1220–1
Thrombophlebitis following intravenous diazepam [letter] Sykes P. **Br Dent J** 1981 Oct 6;151(7):214
Venous complications after i.v. administration of Diazemuls (diazepam) and Dormicum (midazolam). Jensen S, et al. **Br J Anaesth** 1981 Oct;53(10):1083–5
Diazepam-induced thrombophlebitis [letter] Dionne RA. **J Am Dent Assoc** 1981 Jun;102(6):824, 826
Phlegmasia cerulea dolens as a complication of short-course oral contraceptives for dysfunctional bleeding. Coddington CC, et al. **South Med J** 1982 Mar;75(3):377–8
[Lupic syndrome induced by quinidine with thrombophlebitis alternans and circulating anti-factor IX anticoagulant (letter)] Chagnon A, et al. **Nouv Presse Med** 1982 Jun 5; 11(26):2020–1 (Fre)
[Does oral contraception cause deep venous thromboses? (author's transl)] Lambrecht R, et al. **Zentralbl Chir** 1981; 106(16):1074–80 (Eng. Abstr.) (Ger)

COMPLICATIONS

The clinical picture of deep vein thrombosis correlated to the frequency of pulmonary embolism. Lundh B, et al. **Acta Med Scand** 1981;210(5):353–6
Multiple pulmonary arterial aneurysms in Behcet's disease and Hughes-Stovin syndrome. Durieux P, et al. **Am J Med** 1981 Oct;71(4):736–41
Pseudothrombophlebitis and Behcet's syndrome [letter] Mulhern LM, et al. **Arthritis Rheum** 1982 Apr;25(4):477–8
Erythema nodosum. Jillson OF. **Cutis** 1982 Feb;29(2):142–6
Venous thrombosis and carcinoma of the lung: case report and literature review. Jose B, et al. **J Surg Oncol** 1982 Sep;21(1):54–6
Thrombosed vein of Galen aneurysm. Olin MS, et al. **Neurosurgery** 1982 Feb;10(2):258–62
The mechanisms of venous stasis in post-phlebitic syndromes. Langeron P, et al. **Phlebologie** 1982 Jan–Mar;35(1):273–87 (Eng, Fre)
Cadaveric renal transplantation in a patient with extensive venous thrombosis. Barnes AD. **Transplant Proc** 1982 Jun; 14(2):442–3
[Vacuum treatment method in postphlebitic and varicose trophic ulcers of the lower extremities] Nikolov A. **Khirurgiia (Sofiia)** 1981;34(4):368–71 (Eng. Abstr.) (Bul)
[Modification of Palme's operation in the treatment of chronic venous postthrombotic occlusion in the ileofemoral region] Kofistek V, et al. **Rozhl Chir** 1982 Apr;61(4):275–80 (Eng. Abstr.) (Cze)
[Phlebographic findings in venous ulcus cruris] Müller JH. **Z Gesamte Inn Med** 1982 Jan 15;37(2):53–6 (Eng. Abstr.) (Ger)
[The postphlebitic syndrome of the lower extremities] Ghiringhelli C, et al. **Minerva Med** 1982 Mar 17; 73(11):557–76 (Ita)
[Bypass operation using autofemoral vein graft for superior vena cava syndrome (author's transl)] Kanno M, et al. **Kyobu Geka** 1981 Sep;34(9):715–9 (Eng. Abstr.) (Jpn)
[Pathogenesis of trophic disorders and the combined treatment of the postthrombophlebitis syndrome of the legs in the tissue induration and ulceration stage] Shalimov AA, et al. **Klin Khir** 1981 Jul;(7):1–6 (Eng. Abstr.) (Rus)
[Surgical treatment of chronic post-thrombotic venous insufficiency. Personal experience] Navarini EA, et al. **Angiologia** 1981 Sep–Oct;33(5):283–90 (Eng. Abstr.) (Spa)

DIAGNOSIS

Relation of blood coagulation, fibrinolysis and platelet aggregation tests to development of deep vein thrombosis in high risk medical patients. Stegnar M, et al. **Acta Med Iugosl** 1981;35(4):259–67
Diagnosis of deep venous thrombosis by phlebography and 99Tcm-plasmin. Edenbrandt CM, et al. **Acta Med Scand** 1982;211(1–2):59–64
Diagnostic value of fibrinopeptide A and beta-thromboglobulin in acute deep venous thrombosis and pulmonary embolism. van Huisteijn H, et al. **Acta Med Scand** 1982;211(5):323–30
Thermography as a screening method in the diagnosis of deep venous thrombosis of the leg. Wojciechowski J, et al. **Acta Radiol [Diagn] (Stockh)** 1981 22(5):581–4
Thermography in deep venous thrombosis of the leg. Aronen HJ, et al. **AJR** 1981 Dec;137(6):1179–82
Liquid crystal contact thermography of deep venous thrombosis. Pochaczevsky R, et al. **AJR** 1982 Apr; 138(4):717–23
The 125I-fibrinogen sum-coincidence method: new technique for localization and dynamic evaluation of limb

deep vein thrombosis [letter] Ulmsten U, et al. **Am Heart J** 1982 Mar;103(3):448–9

Diagnostic accuracy of phleborheography in deep venous thrombosis. Nolan TR, et al. **Am Surg** 1982 Feb;48(2):77–8

Venous plethysmography applied in pathologic conditions. Baccalon H, et al. **Angiology** 1981 Dec;32(12):822–32

Pitfall of venous occlusion plethysmography. Knox R, et al. **Angiology** 1982 Apr;33(4):268–76

Deep venous thromboembolism in patients undergoing inguinal lymph node dissection for melanoma. Arbeit JM, et al. **Ann Surg** 1981 Nov;194(5):648–55

A three-year experience with phleborheography: a noninvasive technique for the diagnosis of deep venous thrombosis. Classen JN, et al. **Ann Surg** 1982 Jun; 195(6):800–3

The role of two noninvasive tests in deep venous thrombosis. Hanel KC, et al. **Ann Surg** 1981 Dec;194(6):725–30

Mechanical plethysmography and Doppler ultrasound. Diagnosis of deep-venous thrombosis. Schroeder PJ, et al. **Arch Surg** 1982 Mar;117(3):300–3

The diagnostic value of the fibrinogen/fibrin fragment E antigen assay in clinically suspected deep vein thrombosis. Zielinsky A, et al. **Blood** 1982 Feb;59(2):346–50

After-exercise thermography and prediction of deep vein thrombosis. Lindhagen A, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1825–6

Thrombosis in the upper extremity: use of Doppler ultrasound for diagnosis. Bernier V, et al. **Can Anaesth Soc J** 1981 Nov;28(6):579–84

Diagnosis and treatment of postpartum ovarian vein thrombosis. Fong DY, et al. **Can Med Assoc J** 1982 Mar 15;126(6):661–2

Established venous thrombosis and pulmonary embolism. Gallus AS. **Clin Haematol** 1981 Jun;10(2):583–611 (101 ref.)

Diagnosis and management of acute venous thrombosis. Fell G, et al. **Clin Obstet Gynecol** 1981 Sep;24(3):761–72

99mTc labeled red blood cells versus gamma-phlebography in diagnosis of deep vein thrombosis [letter] Jacolot G, et al. **Eur J Nucl Med** 1982;7(2):97

The significance of fibrinopeptide A (FPA) in the diagnosis of low-grade intravascular coagulation and venous thromboembolism. Van Mourik JA. **Haematologica (Pavia)** 1981 Jun;66(3):259–68 **(Eng, ita)**

Clinical findings in the diagnosis of proximal deep vein thrombosis. Molloy W, et al. **Ir Med J** 1982 Apr; 75(4):119–20

Doppler ultrasound diagnosis of venous disease. Jiunta TP, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):551–6

Experience with deep venous thrombosis and IPG - 200 as a diagnostic aid. Hetherington V, et al. **J Foot Surg** 1980 Summer;19(2):55–62

Deep vein thrombosis: diagnosis, treatment, and prevention. Stewart WP, et al. **J Foot Surg** 1981 Winter;20(4):232–8 (36 ref.)

The diagnosis of phlebitis--role of the Doppler and plethysmograph. Neely FL. **J Med Assoc Ga** 1982 Apr; 71(4):261–2

Thrombosis of the pampiniform plexus. Rothman D. **J Med Soc NJ** 1981 Sep;78(10):681

Noninvasive detection of thrombosis of the deep veins of the legs: comparison of Doppler ultrasonography and impedance plethysmography with venography. Elbaum DM, et al. **JAOA** 1982 Apr;81(8):535–40

beta-thromboglobulin levels in postoperative deep-vein thrombosis [letter] Cooke ED, et al. **Lancet** 1981 Dec 19-26;2(8260–61):1427

Preoperative prediction of postoperative deep-vein thrombosis [letter] Lowe GD, et al. **Lancet** 1982 Jun 26; 1(8287):1474

Preoperative prediction of postoperative deep-vein thrombosis [letter] Shah GA, et al. **Lancet** 1982 May 1; 1(8279):1015

Directional Doppler flowmetry in superficial veins as a guide to venous disorders in the lower limbs. Tibbs DJ, et al. **Phlebologie** 1982 Jan-Mar;35(1):41–51 **(Eng, Fre)**

Advances and controversies in the diagnosis, prevention, and treatment of venous thromboembolism. Hull R, et al. **Prog Hematol** 1981;12:73–123 (171 ref.)

Efficacy of noninvasive modalities of diagnosis of thrombophlebitis. Holden RW, et al. **Radiology** 1981 Oct; 141(1):63–6

99mTc red blood cell venography in deep vein thrombosis of the leg: a correlation with contrast venography. Lisbona R, et al. **Radiology** 1982 Jun;143(3):771–3

Current status of noninvasive tests in the diagnosis of venous disease. Barnes RW. **Surg Clin North Am** 1982 Jun; 62(3):489–500

Phleborheography--results of a ten-year experience. Comerota AJ, et al. **Surgery** 1982 May;91(5):573–81

Diagnosis of upper extremity deep venous thrombosis using noninvasive technique. Sottiurai VS, et al. **Surgery** 1982 May;91(5):582–5

Diagnosis of deep vein thrombosis by combination of Doppler ultrasound flow examination and strain gauge plethysmography. An alternative to venography only in particular conditions despite improved accuracy of the Doppler method. Bounameaux H, et al. **Thromb Haemost** 1982 Apr 30;47(2):141–4

Thermography in the diagnosis of DVT. Lockner D, et al. **Thromb Haemost** 1981 Oct;46(3):652–4

Impaired fibrinolytic response to DDAVP and venous occlusion in a sub-group of patients with von Willebrand's disease. Korninger C, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):365–74

Similar thermographic pattern of deep vein thrombosis and ruptured Baker's cyst. Jacobsson H. **Vasa** 1982;11(2):139–43

Telethermography for screening ambulatory patients with leg vein thrombosis. Partsch H, et al. **Vasa** 1981;10(3):242–5

[Early diagnosis of venous thrombosis after kidney operations (author's transl)] Masopust J, et al. **Sb Lek** 1982 Feb; 84(2):41–6 (Eng. Abstr.) **(Cze)**

[The false-positive fibrinogen test] Vodičková L, et al. **Vnitr Lek** 1982 Jul;28(7):665–70 **(Cze)**

[Differential diagnosis of deep venous thrombosis] Hekali P, et al. **Duodecim** 1981;97(19):1606–11 (Eng. Abstr.) **(Fin)**

[Present methods of diagnosis of deep vein thrombosis of the lower limbs (author's transl)] Serradimigni A, et al. **Ann Cardiol Angeiol (Paris)** 1981 May;30(3):145–50 (Eng. Abstr.) **(Fre)**

[Mercury gauge plethysmography. Sensitivity and specificity compared with standard phlebography (author's transl)] Boccalon H. **J Mal Vasc** 1982;7(1):85–91 (Eng. Abstr.) **(Fre)**

[Doppler examination. Specificity and sensibility in comparison with standard phlebography in recent deep venous thrombosis of the lower limbs (author's transl)] Boesplug O. **J Mal Vasc** 1982;7(1):77–80 (Eng. Abstr.) **(Fre)**

[Diagnostic methods available to the general practitioner for the detection of recent venous thromboses in a patient refusing hospitalisation (author's transl)] Levasseur J. **J Mal Vasc** 1982;7(1):97–8 (Eng. Abstr.) **(Fre)**

[Impedance plethysmography. Comparison of sensibility and specificity in recent deep venous thromboses of the lower limbs (author's transl)] Merlen JF. **J Mal Vasc** 1982; 7(1):81–4 (Eng. Abstr.) **(Fre)**

[Value of rheoplethysmography with venous occlusion in the detection of venous thrombosis] Langeron P, et al. **Phlebologie** 1981 Apr-Jun;34(2):203–10 (Eng. Abstr.) **(Fre)**

[Deep venous thromboses of the leg. Clinical and therapeutic aspects] Ouvry P. **Phlebologie** 1982 Apr-Jun;35(2):597–605 (Eng. Abstr.) **(Fre)**

[Phlebographic investigation for suspicion of deep vein thrombosis of the lower extremities (author's transl)] Frère D. **Rev Med Brux** 1981 Sep;2(7):623–30 (Eng. Abstr.) **(Fre)**

[Significance of antithrombin III and fibrin degradation products for the prognosis and diagnosis of postoperative thromboses] Rjabzew WG, et al. **Folia Haematol (Leipz)** 1982;109(1):171–5 **(Ger)**

[Doppler sonography in phlebological diagnosis] Bönniger-Beckers F. **Fortschr Med** 1981 Apr 9; 99(14):481–5 (Eng. Abstr.) **(Ger)**

[The diagnosis of peripheral arterial and venous stenoses and occlusions using Doppler sonography] Kriessmann A. **Internist (Berlin)** 1982 Jul;23(7):393–5 **(Ger)**

[Diagnosis of venous thrombosis of the deep pelvic and leg veins] Bollinger A, et al. **Schweiz Med Wochenschr** 1982 Apr 17;112(16):550–6 (Eng. Abstr.) **(Ger)**

[Instrumental diagnosis of deep venous thrombosis. Reliability of phleboscintigraphy and the Doppler method as compared with phlebography] Poti R, et al. **Minerva Cardioangiol** 1981 Nov;29(11):619–22 (Eng. Abstr.) **(Ita)**

[Clinico-tomographic contribution to the diagnosis of pregnancy-puerperal cerebral venous thrombosis] Sinibaldi L, et al. **Riv Neurobiol** 1980 Oct-Dec;26(4):441–52 (Eng. Abstr.) **(Ita)**

[Thromboembolism and coagulation tests] Matsuda M. **Nippon Rinsho** 1981 Jan;39(1):169–79 (47 ref.) **(Jpn)**

[Venous Doppler ultrasonography in early diagnosis of lower limb thrombophlebitis in stroke] Gralewski Z, et al. **Neurol Neurochir Pol** 1981 May-Jun;15(3):259–64 (Eng. Abstr.) **(Pol)**

[Thrombophlebitis of the right ovarian vein] Vetrov VV. **Akush Ginekol (Mosk)** 1981 Sep;(9):54–5 **(Rus)**

[Radioisotope diagnosis and classification of postoperative thrombosis of deep veins of the leg] Nobel'son SE, et al. **Klin Med (Mosk)** 1980 Jul;58(7):57–62 (Eng. Abstr.) **(Rus)**

[Clinico-laboratory characteristics of the course of the inflammatory process in the postthrombophlebitic syndrome of the lower extremities] Rzaev NM, et al. **Klin Med (Mosk)** 1982 May;60(5):100–2 **(Rus)**

[Complex plethysmometry in venous pathology of the lower extremities] Bragin BI, et al. **Vestn Khir** 1982 Feb; 128(2):63–6 **(Rus)**

DRUG THERAPY

Urokinase or heparin in the management of patients with deep vein thrombosis? Kiil J, et al. **Acta Chir Scand** 1981; 147(7):529–32

Streptokinase of heparin in the treatment of deep vein thrombosis. Follow-up results of a prospective study. Arnesen H, et al. **Acta Med Scand** 1982;211(1–2):65–8

Heparin treatment of deep vein thrombosis. Effects and complications after continuous or intermittent heparin administration. Fagher B, et al. **Acta Med Scand** 1981; 210(5):57–61

Management of deep venous thrombosis and pulmonary embolism during pregnancy. Tawes RL Jr, et al. **Am J Surg** 1982 Jul;144(1):141–5

Prevention and treatment of early postoperative deep vein thrombosis in africans: a Nigerian experience with dihydroergotamine mesylate. Ofoegbu RO, et al. **Angiology** 1981 Dec;32(12):812–8

Heparin treatment of deep venous thrombosis without venography [letter] Good AE. **Ann Intern Med** 1981 Oct; 95(4):515

Clinical use of thrombolytic agents in venous thromboembolism. Sasahara AA, et al. **Arch Intern Med** 1982 Apr;142(4):684–8

The use of thrombolytic therapy in venous thromboembolic disease. Rubin RN. **Conn Med** 1981 Sep;45(9):551–4

Thrombolytic therapy in thrombosis. **Consensus Dev Conf Summ Natl Inst Health** 1980;3:13–8

Confronting the three most common medical problems of long-term illness. Bulmash JM. **Geriatrics** 1981 Dec; 36(12):79–85

Heparin requirements in pulmonary embolism and venous thrombosis: a prospective study. Elliott CG, et al. **J Clin Pharmacol** 1982 Feb-Mar;22(2–3):102–9

Platelet antagonists. Lappin HA. **J La State Med Soc** 1982 Mar-Apr;134(2):48–50

Selective intra-arterial streptokinase therapy in the immediate postoperative period. Chaise LS, et al. **JAMA** 1982 May 7;247(17):2397–400

Ketanserin in acute superficial thrombophlebitis [letter] de Roose J, et al. **Lancet** 1982 Aug 21;2(8295):440–1

Aspirin inhibition of thromboxane release in thrombosis and renal transplant rejection [letter] Foegh ML, et al. **Lancet** 1982 Jan 2;1(8262):48–9

Subcutaneous heparin for venous thrombosis [letter] **N Engl J Med** 1982 Jul 1;307(1):56–8

Adjusted subcutaneous heparin versus warfarin sodium in the long-term treatment of venous thrombosis. Hull R, et al. **N Engl J Med** 1982 Jan 28;306(4):189–94

Treatment of venous thrombosis with subcutaneous heparin [editorial] Salzman EW. **N Engl J Med** 1982 Jan 28; 306(4):232–4

Thrombolytic therapy. For pulmonary embolism and deep venous thrombosis. Fowler AA, et al. **Postgrad Med** 1982 Apr;71(4):149–54, 158

Clinical and biological activity of the antiplatelet agent suloctidil in treatment of idiopathic recurrent vein thrombosis (I.R.V.T.). Moriau M, et al. **Thromb Haemost** 1982 Feb 26;47(1):27–31

Anticoagulation by constant subcutaneous heparin infusion. Parrilla N, et al. **Thromb Haemost** 1982 Feb 26;47(1):1–2

Effects of heparin oligosaccharides with high affinity for antithrombin III in experimental venous thrombosis. Thomas DP, et al. **Thromb Haemost** 1982 Jun 28; 47(3):244–8

Subcutaneous ancrod in prevention of deep vein thrombosis after hip replacement surgery. Belch JJ, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):23–31

Comparative study on heparin and a synthetic thrombin inhibitor no. 805 (MD-805*) in experimental antithrombin III-deficient animals. Kumada T, et al. **Thromb Res** 1981 Nov 15;24(4):285–98

Blood coagulation changes during effective thrombolysis using urokinase and heparin. Schöffel G, et al. **Thromb Res** 1982 Jan 1 & 15;25(1–2):11–21

[The value of anticoagulant therapy in deep venous thrombosis] Nielsen HK, et al. **Ugeskr Laeger** 1981 Jul 27; 143(31):1947–51 (Eng. Abstr.) **(Dan)**

[Actual state of thrombolytic treatment of recent vein thrombosis and pulmonary embolism (author's transl)] Verstraete M. **J Mal Vasc** 1981;6(4):251–6 (Eng. Abstr.) **(Fre)**

[Possibilities of drug therapy in the fight against deep venous thrombosis] Kluken N. **Phlebologie** 1981 Jul-Sep; 34(3):391–401 (Eng. Abstr.) **(Fre)**

[Thrombolytic treatment of deep leg and pelvic vein thromboses] Breddin HK, et al. **Internist (Berlin)** 1982 Jul; 23(7):410–6 **(Ger)**

[Fibrinolytic therapy of lower limb deep vein thrombosis with urokinase (author's transl)] Zimmermann R, et al. **Klin Wochenschr** 1982 May 17;60(10):489–96 (Eng. Abstr.) **(Ger)**

[Practical angiology, 17. Side effects of anticoagulation] Marshall M. **MMW** 1982 Jun 11;124(23):87 **(Ger)**

[Conservative treatment of anal cryptitis and fissure as well as anal thrombosis with a streptokinase-streptodornase gel] Frank W, et al. **ZFA (Stuttgart)** 1982 Apr 30;58(12):713–6 **(Ger)**

[Fibrinolytic therapy of phlegmasia coerulea dolens] Kéki K, et al. **Orv Hetil** 1981 Jun 7;122(23):1377–9 **(Hun)**

[Effects of a natural mucopolysaccharide-fibrinolytic complex on venous thrombosis and on the clearing factor] Pirani R, et al. **Clin Ter** 1982 Mar 31;100(6):575–96 (Eng. Abstr.) **(Ita)**

[Clinical course and treatment of deep vein thrombosis during the puerperium in a woman with pregnancy toxemia] Lotocki W, et al. **Pol Tyg Lek** 1981 Jun 22;36(25):931–3 (Eng. Abstr.) **(Pol)**

[Use of streptase in acute thromboses of the major veins] Il'in VN, et al. **Sov Med** 1981;(6):100–3 **(Rus)**

[Streptodecase--a new Soviet thrombolytic long-acting agent] Chazov EI, et al. **Ter Arkh** 1981;53(9):79–84 (Eng. Abstr.) **(Rus)**

[Treatment of deep venous thromboses (author's transl)] Mazuch J, et al. **Bratisl Lek Listy** 1981 Mar;75(3):349–60 (Eng. Abstr.) **(Slo)**

[Continuous heparin therapy in deep venous thrombosis and

its monitoring with the Howel and thrombin times. Prospective study] Lozano Sánchez F, et al. **Angiologia** 1981 Sep-Oct;33(5):272-82 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Comparative characteristics of isoenzyme spectrum of lactate dehydrogenase of the skin in healthy controls and in patients with post-thrombotic and varicose diseases of legs] Zhukov BN, et al. **Vestn Khir** 1981 Dec;127(12):64-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Comparative influences of epidural and general anaesthesia on deep venous thrombosis and pulmonary embolism after total hip replacement. Modig J, et al. **Acta Chir Scand** 1981; 147(2):125-30

Thrombosis after elective phlebography as demonstrated with the 125 I-fibrinogen test. Kristiansen P, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):577-80

Prekallikrein inhibition associated with the lupus anticoagulant: a mechanism of thrombosis. Sanfelippo MJ, et al. **Am J Clin Pathol** 1982 Mar;77(3):275-9

Retroperitoneal fibrosis from aortic aneurysm causing vena cava obstruction: a case report. Houle BJ, et al. **Angiology** 1982 Jan;33(1):64-6

Recurrent environmentally triggered thrombophlebitis: a five-year follow-up. Rea WJ, et al. **Ann Allergy** 1981 Nov; 47(5 Pt 1):338-44

Candidal suppurative peripheral thrombophlebitis. Torres-Rojas JR, et al. **Ann Intern Med** 1982 Apr; 96(4):431-5

Deep venous thrombophlebitis following aortoiliac reconstructive surgery. Reilly MK, et al. **Arch Surg** 1982 Sep;117(9):1210-1

An unusual presentation of chondrosarcoma in diaphyseal aclasis. Deshpande H, et al. **Br J Clin Pract** 1982 Jan; 36(1):19-22

Thrombotic risks of staging laparotomy with splenectomy in Hodgkin's disease. Dawson AA, et al. **Br J Surg** 1981 Dec;68(12):842-5

Thrombosis after venography in familial antithrombin II deficiency. Winter JH, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1436-7

Benign superior vena cava syndrome caused by transvenous cardiac pacemaker. Cholankeril JV, et al. **Cardiovasc Intervent Radiol** 1982;5(1):40-2

Antithrombin III deficiency and thromboembolism. Thaler E, et al. **Clin Haematol** 1981 Jun;10(2):369-90 (161 ref.)

Complications of phlebography: a randomised comparison between an ionic and a non-ionic contrast medium. Berge T, et al. **Clin Radiol** 1981 Sep;32(5):595-8

High risk of the critically ill for venous thromboembolism. Cade JF. **Crit Care Med** 1982 Jul;10(7):448-50

Significant venous thromboembolism caused by pelvic lymphocysts: diagnosis and management. Clarke-Pearson DL, et al. **Gynecol Oncol** 1982 Feb;13(1):136-43

Migratory thrombophlebitis with disseminated intravascular coagulation due to an occult bronchogenic carcinoma. Sharma SK, et al. **Indian J Chest Dis Allied Sci** 1981 Apr-Jun;23(2):100-3

Infusion thrombophlebitis and its prevention. Subrahmanyam M. **Indian J Med Sci** 1981 Apr;35(4):77-80

Recurrent venous thrombosis: the sole manifestation of an occult myeloproliferative disease. Lang R, et al. **Isr J Med Sci** 1982 Jun;18(6):705-7

Coagulation changes during major surgery and relationship to post-operative deep vein thrombosis. Jennings S, et al. **J Cardiovasc Surg (Torino)** 1981 Jul-Aug;22(4):327-9

Haemopathological changes in recurrent deep venous thrombosis of the extremities. Sakaguchi S, et al. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr;23(2):117-22

Thrombophlebitis migrans in association with ulcerative colitis. Iyer SK, et al. **J Natl Med Assoc** 1981 Oct; 73(10):987-9

Phlebitis with intravenous infusion: influence of pH, duration of infusion, and rate of flow. Bartz C. **Milit Med** 1982 Feb; 147(2):109-14

Thrombosis after pulmonary-artery catheterization via the internal jugular vein [letter] **N Engl J Med** 1982 Jun 17; 306(24):1486-7

Suppurative thrombophlebitis in childhood. Sears N, et al. **Pediatrics** 1981 Nov;68(5):630-2

Postphlebographic thrombosis: a double-blind study with methylglucamine metrizoate and metrizamide. Laerum F, et al. **Radiology** 1981 Sep;140(3):651-4

Catheter-associated septic thrombophlebitis. Garrison RN, et al. **South Med J** 1982 Aug;75(8):917-9

A clinical and phlebographic study of postoperative deep vein thrombosis following knee meniscus extirpation. Nilsen DW, et al. **Thromb Haemost** 1982 Jun 28;47(3):291-2

Aorto-iliac aneurysm in iliac compression syndrome. Marano GD, et al. **W Va Med J** 1982 Apr;78(4):87-9

[Venous thrombosis after prostate gland surgery (author's transl)] Masopust J, et al. **Cas Lek Cesk** 1982 Feb 19; 121(7):206-9 (Eng. Abstr.) **(Cze)**

[Ureteral obstruction secondary to septic ovarian vein thrombophlebitis] Opsomer RJ, et al. **Acta Urol Belg** 1982 Jan;50(1):65-70 (Eng. Abstr.) **(Fre)**

[Cerebral thrombophlebitis disclosing typhoid fever (letter)] Edan G, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3570 **(Fre)**

[Budd-Chiari syndrome with massive thrombosis of the subdiapiragmatic venous system and major fibrinopenia (author's transl)] Offenstadt G, et al. **Nouv Presse Med** 1982 Jun 12;11(28):2139-41 (Eng. Abstr.) **(Fre)**

[O.R.L. infections and craniofacial thrombophlebitis (author's transl] Perrin C, et al. **Rev Otoneuroophtalmol** 1981 Oct-Dec;53(5):445-52 (Eng. Abstr.) **(Fre)**

[Thrombosis of the vena cava inferior. Etiological and clinical contribution] Preuss EG, et al. **Z Gesamte Inn Med** 1981 Oct 1;36(19):712-6 (Eng. Abstr.) **(Ger)**

[Pseudothrombophlebitis, a rare complication following total replacement of the knee joint (author's transl)] Köhler G, et al. **Z Orthop** 1982 Feb;120(1):14-6 (Eng. Abstr.) **(Ger)**

[Recurrent deep vein thrombosis in systemic lupus erythematosus] Pető I, et al. **Orv Hetil** 1981 Oct 25; 122(43):2665-6 **(Hun)**

[Extrapancreatic abdominal complications of chronic pancreatitis and pancreatic carcinoma] Naccarato R, et al. **Recenti Prog Med** 1981 Jul;71(1):22-9 (Eng. Abstr.) **(Ita)**

[Deep vein thrombosis in patients with idiopathic thrombocytopenic purpura--report of two cases--(author's transl)] Sugiyama H, et al. **Rinsho Ketsueki** 1982 Mar; 23(3):365-70 (Eng. Abstr.) **(Jpn)**

[Pregnancy, labor and puerperal period in women with venous diseases] Krotov IuA, et al. **Akush Ginekol (Mosk)** 1982 May;(5):29-31 **(Rus)**

[Role of blood rheological disorders in the pathogenesis of acute venous thrombosis] Iablokov EG, et al. **Kardiologiia** 1981 Aug;21(8):72-6 (Eng. Abstr.) **(Rus)**

[Acute ascending total thrombophlebitis of the lower extremities as a complication of a paratonsillar abscess] Antoniuk MI. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):74-5 **(Rus)**

[Vascular (angiological) manifestations in Behcet's syndrome. Presentation of 8 cases and a review of the literature] Vaquero F, et al. **Angiologia** 1981 Jul-Aug;33(4):186-202 (Eng. Abstr.) **(Spa)**

[Pelvic thrombophlebitis in obstetrics] Nava y Sánchez RM, et al. **Ginecol Obstet Mex** 1981 Mar;49(293):163-80 (Eng. Abstr.) **(Spa)**

[Brachial vein thrombosis] Kaczynski J, et al. **Lakartidningen** 1981 Nov 4;78(45):4034-8 (Eng. Abstr.) **(Swe)**

FAMILIAL & GENETIC

Congenital antithrombin III deficiency. A description of two Belgian families. Therapeutic implications. Derveaux M, et al. **Acta Clin Belg** 1982;37(1):3-12

Transfusion studies in patients with familial antithrombin III (ATIII) deficiency: half-disappearance time of infused ATIII and influence of such infusion on platelet life-span. Winter JH, et al. **Br J Haematol** 1981 Nov;49(3):449-53

Deficiency of protein C in congenital thrombotic disease. Griffin JH, et al. **J Clin Invest** 1981 Nov;68(5):1370-3

[Thrombosis patients with familial antithrombin-III deficiency treated with heparin and antithrombin] Brandt P. **Ugeskr Laeger** 1981;143(34):2145-8 (Eng. Abstr.) **(Dan)**

[Diagnosis of thrombophilia - hereditary deficiency of antithrombin III] Al'pidovskii VK, et al. **Probl Gematol Pereliv Krovi** 1982 Mar;27(3):51-5 **(Rus)**

IMMUNOLOGY

[Role of immunopathological processes in the pathogenesis of the postthrombophlebitis syndrome of the legs] Pisklivets ZS. **Klin Khir** 1981 Jul;(7):6-9 (Eng. Abstr.) **(Rus)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Grimalt F, et al. **Med Cutan Iber Lat Am** 1981;9(6):415-8 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Romaguera G, et al. **Med Cutan Iber Lat Am** 1981; 9(6):419-22 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Vilaplana J, et al. **Med Cutan Iber Lat Am** 1981;9(6):409-14 (Eng. Abstr.) **(Spa)**

METABOLISM

Indium-111-labeled platelets: effects of heparin on uptake by venous thrombi and relationship to the activated partial thromboplastin time. Fedullo PF, et al. **Circulation** 1982 Sep;66(3):632-7

Hemostasis, thrombosis, and thromboembolic disorders. The role of arachidonic acid metabolites in platelet-vessel wall interactions. Harlan JM, et al. **Med Clin North Am** 1981 Jul;65(4):855-80 (148 ref.)

OCCURRENCE

The incidence of postoperative deep vein thrombosis: a preliminary report. Phornphibulaya P, et al. **J Med Assoc Thai** 1982 Feb;65(2):52-4

PATHOLOGY

Sclerous atrophic cellulitis. Chatard H. **Phlebologie** 1982 Jan-Mar;35(1):203-19 **(Eng, Fre)**

[Isolated visceral thrombophlebitis migrans] Schmitz-Moormann P, et al. **Internist (Berlin)** 1982 Jan; 23(1):47-50 **(Ger)**

[Comparative phlebographic and phlebodynamometric studies on the severity of postthrombotic syndrome] Müller JH, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):288-90 **(Ger)**

PHYSIOPATHOLOGY

The effect of cutaneous venous thrombi on the permeability of vessels to protein and nutritive blood flow. Gronczewski J, et al. **Acta Physiol Pol** 1981 May-Jun;32(3):303-6

Peak airway pressure as pointer to risk of postoperative deep venous thrombosis [letter] Takkunen O, et al. **Lancet** 1982 May 8;1(8280):1066

A physiological study of elastic compression stockings in venous disorders of the leg. Kakkar VV. **Phlebologie** 1982 Jan-Mar;35(1):101-6 **(Eng, Fre)**

Haemostatic studies on retinal vein occlusion. Fibrinolytic response to venostasis as a prognostic factor for spontaneous recanalization. Peduzzi M, et al. **Thromb Res** 1981 Oct 1-15;24(1-2):105-18

[Lymphomanometry in the study of lymphatic circulation in post-phlebitis syndrome of the lower limb] Buccoliero F, et al. **Minerva Cardioangiol** 1982 Jan-Feb;30(1-2):35-9 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Prophylaxis of deep vein thrombosis in patients with fracture of the femoral neck: a prospective comparison between dextran and a sulphated polysaccharide. Fredin HO, et al. **Acta Orthop Scand** 1982 Jun;53(3):413-7

Incidence of deep vein thrombosis and the effect of pneumatic compression of the calf in elderly hemiplegics. Prasad BK, et al. **Age Ageing** 1982 Feb;11(1):42-4

Intermittent pneumatic calf compression for prevention of deep venous thrombosis in general abdominal surgery. Butson AR. **Am J Surg** 1981 Oct;142(4):525-7

Perioperative heparin prophylaxis of deep venous thrombosis in patients with peripheral vascular disease. Spebar MJ, et al. **Am J Surg** 1981 Dec;142(6):649-50

Reduction of venous sequelae of i.v. diazepam with a fat emulsion as solvent. Mattila MA, et al. **Br J Anaesth** 1981 Dec;53(12):1265-8

Prevention of deep venous thrombosis. Hirsh J. **Br J Hosp Med** 1981 Aug;26(2):143-4, 146-7

The effect of prophylactic heparinization on the venous blood flow using the Doppler ultrasonic flowmeter. Barsoum MS, et al. **Br J Surg** 1982 Apr;69(4):207-10

Electrically induced short-lasting tetanus of the calf muscles for prevention of deep vein thrombosis. Lindström B, et al. **Br J Surg** 1982 Apr;69(4):203-6

Low-molecular-weight heparin and prevention of postoperative deep vein thrombosis. Kakkar VV, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):375-9

Prevention of venous thromboembolism. Kakkar VV. **Clin Haematol** 1981 Jun;10(2):543-82 (166 ref.)

Peri-operative low-dose heparin. **Drug Ther Bull** 1982 Jan 22;20(2):5-7

Lethal thromboembolism and its prevention in pelvic surgery: a review. Kotz HL, et al. **Gynecol Oncol** 1981 Dec; 12(3):271-80

Phosphate addition to glucose solutions- effect on hypophosphataemia and risk of infusionthrombophlebitis. Rasmussen A, et al. **Infusionsther Klin Ernahr** 1982 Jun; 9(3):117-9

Prophylaxis of thrombo/embolic complications in hip surgery. Setti M, et al. **Ital J Orthop Traumatol** 1981 Apr; 7(1):99-102

Prophylaxis of post-operative deep vein thrombosis and pulmonary emboli. Casali RE, et al. **J Arkansas Med Soc** 1982 Feb;78(9):363-8

Bioengineering studies of periodic external compression as prophylaxis against deep vein thrombosis-part I: numerical studies. Kamm RD. **J Biomech Eng** 1982 May;104(2):87-95

Bioengineering studies of periodic external compression as prophylaxis against deep vein thrombosis-part II: experimental studies on a stimulated leg. Olson DA, et al. **J Biomech Eng** 1982 May;104(2):96-104

Prophylaxis of early post-operative deep venous thrombosis by monitored heparin infusion. Heather BP, et al. **J Cardiovasc Surg (Torino)** 1982 May-Jun;23(3):261-5

Saline flush: a simple method of reducing diazepam-induced thrombophlebitis. Dutt MK, et al. **J R Soc Med** 1982 Apr; 75(4):231-3

Prediction and selective prophylaxis of venous thrombosis in elective gastrointestinal surgery. Lowe GD, et al. **Lancet** 1982 Feb 20;1(8269):409-12

Prevention of venous thromboembolism in unstable angina pectoris [letter] Salzman EW, et al. **N Engl J Med** 1982 Apr 22;306(16):991

Low dose heparin prophylaxis for deep venous thrombosis in acute spinal cord injury patients: a controlled study. Frisbie JH, et al. **Paraplegia** 1981;19(6):343-6

Prophylactic anticoagulant therapy in patients with spinal cord injury. El Masri WS, et al. **Paraplegia** 1981; 19(6):334-42

Prophylaxia of deep venous thrombosis, due to haemodilution. Duruble M. **Phlebologie** 1982 Jan-Mar; 35(1):143-72 **(Eng, Fre)**

Prophylaxis of venous thrombosis. Ellis H, et al.

Phlebologie 1982 Jan-Mar;35(1):135-42 **(Eng, Fre)**
Prophylaxis of early post operative deep venous thrombosis by monitored heparin infusion. Heather BP, et al. **Phlebologie** 1982 Jan-Mar;35(1):173-85 **(Eng, Fre)**
Ultra-low dose intravenous heparin in the prevention of postoperative deep vein thrombosis. Negus D, et al. **Phlebologie** 1982 Jan-Mar;35(1):247-57 **(Eng, Fre)**
Clinical comparison of elastic supports for venous diseases of the lower limb and thrombosis prevention. Schraibman IG, et al. **Phlebologie** 1982 Jan-Mar;35(1):61-71 **(Eng, Fre)**
Prevention of deep vein thrombosis in medical patients by low-dose heparin. Belch JJ, et al. **Scott Med J** 1981 Apr; 26(2):115-7
[Importance of elastic compression of the lower limbs in the prevention of venous thrombosis in digestive surgery] Marescaux J, et al. **Phlebologie** 1981 Oct-Dec;34(4):617-23 (Eng. Abstr.) **(Fre)**
[Prevention of thrombosis by Hemoclar. Preliminary results of a test in a patient with antithrombin III deficiency] Fischer AM, et al. **Rev Fr Transfus Immunohematol** 1982 Jun;25(3):265-72 (Eng. Abstr.) **(Fre)**
[Study on the prevention of deep venous thrombosis in surgery] Kobel M, et al. **Schweiz Med Wochenschr** 1982 Jan 30;112(5):148-53 (Eng. Abstr.) **(Fre)**
[Prophylaxis of deep vein thrombosis using low frequency electrotherapy (author's transl)] Freund R, et al. **Dermatol Monatsschr** 1981 Jul;167(7):440-2 (Eng. Abstr.) **(Ger)**
[Prevention of venous thrombosis in recent ischaemic cerebrovascular accident: double-blind study with heparin-dihydroergotamine (author's transl)] Czechanowski B, et al. **Dtsch Med Wochenschr** 1981 Sep 25;106(39):1254-60 (Eng. Abstr.) **(Ger)**
[Flow dynamic principles of thrombosis prophylaxis] Ehrly AM. **Med Welt** 1981 Jul 31;32(30-31):1167-8 **(Ger)**
[Instrumental methods of thrombosis prophylaxis] Gruber UF. **Med Welt** 1981 Jul 31;32(30-31):1179-80 **(Ger)**
[Heparin-dihydergot or heparin alone in thrombosis prophylaxis?] Koppenhagen K, et al. **Med Welt** 1982 Feb 12;33(6):216-23 **(Ger)**
[Thrombosis prophylaxis in venous surgery] May R. **Med Welt** 1981 Jul 31;32(30-31):1181-3 **(Ger)**
[Thrombosis prevention with thrombocyte aggregation inhibitors in the venous system] Schöndorf TH. **Med Welt** 1982 Jun 11;33(23):851-4 **(Ger)**
[Clinical relevance of preventing thrombosis with heparin and heparinoids] Zimmermann RE, et al. **Med Welt** 1982 Mar 19;33(11):408-9 **(Ger)**
[Current status of the prevention of pulmonary embolism] Crisci C. **Minerva Chir** 1980 Dec 15-31;35(23-24):1827-34 **(Ita)**
[Prevention of postoperative deep venous thrombosis and pulmonary embolism by special elastic stockings. Our clinical experience] Polto F, et al. **Minerva Chir** 1980 Dec 15-31;35(23-24):1931-6 **(Ita)**
[Prevention of postoperative thrombotic complications] Loster A, et al. **Wiad Lek** 1981 Mar 1;34(5):383-8 (Eng. Abstr.) **(Pol)**
[Prevention of postoperative thrombosis of the deep veins of the calf in cancer patients] Nodel'son SE, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):81-4 **(Rus)**
[Prevention of venous thrombosis in orthopedic patients] Krajčinović J. **Med Pregl** 1981;34(1-2):83-5 (Eng. Abstr.) **(Scr)**
[Prevention of deep vein thrombosis and pulmonary thromboembolism] Zielinsky A, et al. **Medicina (B Aires)** 1981;41(4):485-98 **(Spa)**

RADIOGRAPHY

Size of the thrombus in acute deep vein thrombosis and the significance of patients' age and sex. Kierkegaard A. **Acta Chir Scand** 1981;147(4):259-61
Diagnosis of deep vein thrombosis with 99Tcm-plasmin. Adolfsson L, et al. **Acta Med Scand** 1982;211(5):365-8
Thrombotic complications of ascending venography. Simmons KC, et al. **Australas Radiol** 1981 Jul;25(2):169-74
Computed tomographic demonstration of venous thrombosis of different etiologies. Allgayer B, et al. **Eur J Radiol** 1981 Aug;1(3):204-6
CT demonstration of subcutaneous venous collaterals. Hidalgo H, et al. **J Comput Assist Tomogr** 1982 Jun; 6(3):514-8
Phlebography in acute thrombosis. Picard JD. **Phlebologie** 1982 Jan-Mar;35(1):29-40 **(Eng, Fre)**
Collateral circulation secondary to upper extremity venous thrombosis visualized during excretory urography. Fritzsche P, et al. **Radiology** 1982 Aug;144(3):495-8
Contrast venography vs. radionuclide venography: a study of discrepancies and their possible significance. Gomes AS, et al. **Radiology** 1982 Mar;142(3):719-28
Phlebography of the deep venous system of the leg in children. Gorenstein A, et al. **Radiology** 1982 Aug; 144(3):519-24
Venous cerebral infarction. Kim KS, et al. **Surg Neurol** 1981 Jun;15(6):444-5
[Practical angiology. Clinical introduction] Olivier C. **J Mal Vasc** 1982;7(1):65 **(Fre)**
[Phlebography in venous thrombosis of the lower limbs (author's transl)] Serradimigni A, et al. **J Mal Vasc** 1982; 7(1):67-72 (Eng. Abstr.) **(Fre)**
[Diagnosis of peripheral arterial and venous stenoses and occlusions using angiography] Kollath J. **Internist (Berlin)** 1982 Jul;23(7):383-7 **(Ger)**
[The 'hot' knee] Marshall M. **MMW** 1982 Jun 4;124(22):61-3 **(Ger)**
[Skin necrosis after ascending leg phlebography] Kinnunen J, et al. **ROFO** 1982 Jan;136(1):104-5 **(Ger)**

RADIONUCLIDE IMAGING

Diagnostic leg scanning for deep venous thrombosis in the recently heparinized patient. Mant MJ, et al. **Arch Intern Med** 1981 Dec;141(13):1757-60
Imaging of 111In-labelled platelets--a new method for the diagnosis of deep vein thrombosis. Grimley RP, et al. **Br J Surg** 1981 Oct;68(10):714-6
Imaging vascular lesions with indium-111-labeled platelets [letter] Peters AM, et al. **Circulation** 1981 Dec;64(6):1297-9
Thrombosis detection: fibrinogen counting and radionuclide venography. DeNardo GL, et al. **Clin Nucl Med** 1981 Oct; 6(10S):P37-45
Practical application of 125I-fibrinogen leg scanning. Hull RD, et al. **CRC Crit Rev Clin Lab Sci** 1981;14(4):241-55 (59 ref.)
Venous obstruction in permanent pacemaker patients: an isotopic study. Pauletti M, et al. **PACE** 1981 Jan;4(1):36-42
Contrast venography vs. radionuclide venography: a study of discrepancies and their possible significance. Gomes AS, et al. **Radiology** 1982 Mar;142(3):719-28
[Isotope phlebography. Value and limitations. Reliability in recent deep venous thrombosis of the lower limbs (author's transl)] Barral X, et al. **J Mal Vasc** 1982;7(1):73-5 (Eng. Abstr.) **(Fre)**
[The detection of deep venous thrombosis by fibrinogen labelled with iodine 125. Specificity and sensibility in comparison with standard phlebography (author's transl)] Marchal C, et al. **J Mal Vasc** 1982;7(1):93-5 (Eng. Abstr.) **(Fre)**
[Gamma-phlebography of the upper limbs (author's transl)] Jacolot G, et al. **Sem Hop Paris** 1981 Sep 8-15; 57(29-32):1283-6 (Eng. Abstr.) **(Fre)**
[Instrumental diagnosis of deep venous thrombosis. Reliability of phleboscintigraphy and the Doppler method as compared with phlebography] Poti R, et al. **Minerva Cardioangiol** 1981 Nov;29(11):619-22 (Eng. Abstr.) **(Ita)**
[Estimation for vein thrombosis using RI venography and 125I-labeled fibrinogen uptake test (author's transl)] Iwasaki N, et al. **Kaku Igaku** 1981 May;18(4):547-54 **(Jpn)**
[Clinical usefulness of If-scan in the detection of deep vein thrombosis (author's transl)] Oshima M, et al. **Kaku Igaku** 1981 May;18(4):503-9 **(Jpn)**
[Radioisotope phlebography (author's transl)] Borrell Merlin MP, et al. **Med Clin (Barc)** 1982 May 15;78(10):416-20 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

[Correction of rheologic disorders by ultraviolet irradiation of blood] Savel'ev VS, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):72-4 (Eng. Abstr.) **(Rus)**

SURGERY

Reevaluation of surgical therapy in acute deep venous thrombosis of the lower limbs. Lerut J, et al. **Acta Chir Belg** 1982 Jan-Feb;82(1):59-66
Strain gauge plethysmographic studies after clipping of the inferior vena cava. Marquis C, et al. **Angiology** 1982 Feb; 33(2):105-10
Clinical management of the thrombosed vessel: an overview. Sherry S. **Angiology** 1982 Jan;33(1):6-10
Surgical treatment of post-phlebitic syndrome. Taheri SA, et al. **Br J Surg** 1982 Jun;69 Suppl:S59-62
The role of surgery in the treatment of acute phlebitis in the lower members. Natali J, et al. **Phlebologie** 1982 Jan-Mar;35(1):187-201 **(Eng, Fre)**
Venous reconstructive surgery. Bergan JJ, et al. **Surg Clin North Am** 1982 Jun;62(3):399-410
Venous bypass surgery. Dale WA. **Surg Clin North Am** 1982 Jun;62(3):391-8
Superficial thrombophlebitis of lower limbs. Husni EA, et al. **Surgery** 1982 Jan;91(1):70-4
[Phlegmasia coerulea dolens and massive pulmonary embolization treated with venous thrombectomy and pulmonary embolectomy] Černý J, et al. **Rozhl Chir** 1981 Sep;60(9):637-43 (Eng. Abstr.) **(Cze)**
[The importance of a temporary arteriovenous shunt in the surgical treatment of acute deep venous ileofemoral thrombosis] Kofistek V, et al. **Rozhl Chir** 1981 Feb; 60(2):133-8 (Eng. Abstr.) **(Cze)**
[The surgical management of deep venous thrombosis (author's transl)] Loeve G, et al. **Ann Chir** 1982 Mar; 36(3):207-14 (Eng. Abstr.) **(Fre)**
[Partial interruption of the inferior vena cava. More restrictive indications? Apropos of 176 cases] Dany F, et al. **Arch Mal Coeur** 1982 Apr;75(4):479-87 (Eng. Abstr.) **(Fre)**
[Partial occlusion of the inferior vena cava by clips. Indications and results about 95 cases (author's transl)] Laurian C, et al. **J Chir (Paris)** 1981 Dec;118(12):691-6 (Eng. Abstr.) **(Fre)**
[Surgery of venous thrombosis] Van der Stricht J. **Phlebologie** 1981 Jul-Sep;34(3):387-90 (Eng. Abstr.) **(Fre)**
[Surgical indications of deep venous thrombosis and pulmonary embolism (author's transl)] Althaus U, et al. **Praxis** 1981 Dec 1;70(49):2232-8 (Eng. Abstr.) **(Ger)**
[Surgery of diseases of the veins (author's transl)] Horsch S, et al. **Rontgenblatter** 1982 Apr;35(4):129-38 (Eng. Abstr.) **(Ger)**
[Surgical treatment of superficial thrombophlebitis] Ciferri N, et al. **Chir Ital** 1982 Apr;34(2):243-50 (Eng. Abstr.) **(Ita)**
[Crossectomy as treatment of superficial thrombophlebitis of the lower limb: case reports] Faverio F, et al. **Chir Ital** 1981 Dec;33(6):1237-44 **(Ita)**
[33 cases of iliofemoral venous thrombectomy. Evaluation of long-term results] Ponzio F, et al. **Minerva Cardioangiol** 1982 Jan-Feb;30(1-2):29-33 (Eng. Abstr.) **(Ita)**
[Azygos-portal disconnection according to the modified Sugiura method] Cucchiara G, et al. **Minerva Chir** 1982 Mar 15;37(5):401-4 **(Ita)**
[Results of treating patients with the postthrombophlebitis syndrome] Vasiliuk MD. **Khirurgiia (Mosk)** 1982 Feb; (2):40-3 (Eng. Abstr.) **(Rus)**
[Surgical treatment of acute thrombophlebitis of the surface veins of the legs] Pustovoĭ IP. **Klin Khir** 1981 Jul;(7):58-9 **(Rus)**
[Surgical therapy and results in the postthrombophlebitis syndrome of the lower extremities] Corcos L, et al. **Angiologia** 1982 Jan-Feb;34(1):38-43 **(Spa)**

THERAPY

Management of acute deep venous thrombosis. Satiani B. **Am Fam Physician** 1982 Apr;25(4):103-9
Venous thromboembolism: challenge and fulfillment? Murley R. **Ann R Coll Surg Engl** 1982 May;64(3):151-64
[Fibrinolytic therapy of deep venous thrombosis] Trübestein G. **Med Welt** 1982 Apr 23;33(16):592-8 **(Ger)**
[Deep femoral-pelvic thrombophlebitis] Marshall M. **MMW** 1982 Mar 19;124(11):93-4 **(Ger)**
[Fatal complications of fibrinolysis] Straub H. **MMW** 1982 Jan 8;124(1):57-61 **(Ger)**
[Physiotherapeutic principles in venous diseases] Freund R. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):778-80 **(Ger)**
[Venous occlusion plethysmography and ultrasonic Doppler diagnosis for objectively arrived at compression therapy] Grossmann K, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 15; 75(16):748-50 **(Ger)**
[Classification of thrombotic lesions of venous vessels] Sigida EA. **Khirurgiia (Mosk)** 1982 Feb;(2):44-8 (Eng. Abstr.) **(Rus)**
[Treatment of the initial stages of thrombophlebitis of the surface veins by freezing the skin with ethyl chloride] Razin VF. **Klin Khir** 1981 Jul;(7):59 **(Rus)**

VETERINARY

Relationship of hypothyroidism to diabetes mellitus, renal amyloidosis, and thrombosis in purebred beagles. Hargis AM, et al. **Am J Vet Res** 1981 Jun;42(6):1077-81

THROMBOPLASTIN

[A study on the thrombo-embolic lung diseases induced by the injection of tissue thromboplastin-with special reference to adult respiratory distress syndrome (ARDS) (author's transl)] Nagata H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Sep; 19(9):605-18 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The thromboplastic activity of lung surfactant in amniotic fluid and its application to prenatal assessment of fetal lung maturity. Higuchi M, et al. **Tohoku J Exp Med** 1981 Mar; 133(3):267-73
[Diagnosis of thromboplastinemia in myocardial infarct] Zubairov DM, et al. **Ter Arkh** 1981;53(8):29-30 **(Rus)**

ANTAGONISTS & INHIBITORS

Intracranial hemorrhage and circulating coagulation inhibitor in beta-thalassemia major. Sinniah D, et al. **J Pediatr** 1981 Nov;99(5):700-3

BIOSYNTHESIS

Phorbol esters induce synthesis of thromboplastin activity in human monocytes. Lyberg T, et al. **Biochem J** 1981 Mar 15;194(3):699-706
Platelet effects on tissue factor and fibrinolytic inhibition of cultured human fibroblasts and vascular cells. Smariga PE, et al. **Blood** 1982 Jul;60(1):140-7
Synthesis of thromboplastin by U-937 cells. Lyberg T, et al. **Br J Haematol** 1982 Aug;51(4):631-41
Thromboplastin (factor III) activity in human monocytes induced by immune complexes. Lyberg T, et al. **Eur J Clin Invest** 1982 Jun;12(3):229-34
Interaction of Borrelia spirochetes with human mononuclear leukocytes causes production of leukocytic pyrogen and thromboplastin. Butler T, et al. **J Lab Clin Med** 1982 May; 99(5):709-21
Mononuclear cell modulation of fibroblast procoagulant activity. Korn JH, et al. **J Lab Clin Med** 1982 May;

99(5):657–68
Synthesis of thromboplastin protein by a murine macrophage–like cell line. Lyberg T, et al. **Thromb Haemost** 1982 Apr 30;47(2):154–6
Prothrombin–activator (thromboplastin) generation in the blood of water snake (Natrix piscator). Srivastava VM, et al. **Thromb Haemost** 1981 Dec 23;46(4):747–8
Thromboplastin activity of mouse peritoneal macrophages. Amlie E, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):61–71
Establishment of a human renal pelvic cancer cell line producing tissue thromboplastin and plasminogen activator. Naito S, et al. **Urol Res** 1982 Feb;10(1):19–25

BLOOD

[Procoagulant (thromboplastin) activity in leukocytes (editorial)] Kornberg A, et al. **Harefuah** 1981 Dec 1; 101(11):321–2 **(Heb)**
[Cytoplasmic membrane damage and thromboplastinemia in hypercholesterolemia] Andrushko IA, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):24–6 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Spectrophotometry of tissue thromboplastin in cerebrospinal fluid. Hische EA, et al. **Clin Chem** 1981 Aug;27(8):1427–30

METABOLISM

Coagulation factor III (tissue factor) interaction with phospholipid vesicles induced by cadmium: characterization of the reconstituted protein–membrane complex. Carson SD, et al. **Biosci Rep** 1981 Mar; 1(3):197–205
Enhancement of monocyte thromboplastin activity by antigenically stimulated lymphocytes: a link between immune reactivity and blood coagulation. van Ginkel CJ, et al. **Eur J Immunol** 1981 Jul;11(7):579–83
Pharmacological activities of heparins obtained from different tissues: enrichment of heparin fractions with high lipoprotein lipase, antihemolytic and anticoagulant activities by molecular sieving and antithrombin III affinity chromatography. Bianchini P, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):406–10
In vitro effect of endotoxin from Shigella sonnei. phase I on human blood platelets and mononuclear leucocytes: comparison of 'free endotoxin' with cell–extracted preparations. Miragliotta G, et al. **Microbiologica** 1982 Jan; 5(1):35–42
Generation of tissue factor by patient monocytes: correlation to thromboembolic complications. Miller CL, et al. **Thromb Haemost** 1981 Aug 28;46(2):489–95
Effect of immune complex–containing sera from patients with rheumatic diseases on thromboplastin activity of monocytes. Lyberg T, et al. **Thromb Res** 1982 Feb 1; 25(3):193–202
[Activation of plasminogen and prothrombin by immobilized activators — urokinase and thromboplastin (author's transl)] Rybák M, et al. **Cas Lek Cesk** 1980 Oct 10; 119(40–41):1106–8 (Eng. Abstr.) **(Cze)**
[Effect of modifications of the protein moiety of thromboplastin (factor III) on its activity] Zubairov DM, et al. **Biokhimiia** 1981 Jul;46(7):1210–4 (Eng. Abstr.) **(Rus)**
[Penetration of the heparin–thromboplastin complex into brain tissues after administration of the complex into healthy animals and into animals with the prethrombotic state caused by atherogenic diet] Liapina LA, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):181–5 (Eng. Abstr.) **(Rus)**
[Distribution of heparin and its complex compounds in the tissues of animals maintained on an atherogenic diet following intravenous administration of a thromboplastin–heparin complex] Ul'ianov AM, et al. **Vopr Med Khim** 1981;27(4):458–62 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of thromboplastin and instrumentation on the prothrombin time test. Evatt BL, et al. **Clin Lab Haematol** 1981;3(4):331–42
Plasma high density lipoproteins inhibit the activation of coagulation factor X by factor VIIa and tissue factor. Carson SD. **FEBS Lett** 1981 Sep 14;132(1):37–40

PHYSIOLOGY

Is hemophilia a disease of the tissue factor pathway of coagulation? Nemerson Y, et al. **Prog Clin Biol Res** 1981; 72:77–83
The activation of factor IX by the tissue factor pathway. Rapaport SI. **Prog Clin Biol Res** 1981;72:57–76
[Significance of thromboplast in the occurrence of the disseminated intravascular coagulation syndrome] Kaše F. **Probl Gematol Pereliv Krovi** 1981 Jul;26(7):41–4 **(Rus)**

STANDARDS

The Australasian Reference Thromboplastin: II. Are corrected prothrombin ratios valid? Frost T, et al. **Pathology** 1981 Jul;13(3):537–42
The Australasian Reference Thromboplastin: I. A study in bleeding patients. Frost T, et al. **Pathology** 1981 Jul; 13(3):525–35

THROMBOPLASTINOGEN see **FACTOR VIII**

THROMBOPOIETIN see under **GLYCOPROTEINS**

THROMBOSIS

Mesenteric venous thrombosis. Grendell JH, et al. **Gastroenterology** 1982 Feb;82(2):358–72 (82 ref.)
Role of the vascular endothelium. Hoak JC, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):331–8
Platelet – vessel wall interaction: role of blood clotting. Hornstra G. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):355–71
VIIIth International Congress on Thrombosis and Haemostasis. Abstracts. **Thromb Haemost** 1981 Jul 12; 46(1):1–478

BLOOD

Endogenous agents in platelet thrombosis. Born GV, et al. **Acta Med Scand [Suppl]** 1981;651:85–90
Rheology of thrombotic processes in flow: the interaction of erythrocytes and thrombocytes subjected to high flow forces. Schmid–Schönbein H, et al. **Biorheology** 1981; 18(3–6):415–44
Acute hypertension after traumatic renal artery thrombosis with high circulating concentrations of angiotensin II. Sawyer A, et al. **Br Med J [Clin Res]** 1982 Feb 20; 284(6315):559–60
Deep vein thrombosis in association with a circulating endogenous anticoagulant. MacKay RJ, et al. **J Pediatr** 1982 Jul;101(1):75–8
A quantitative method using continuous recording of platelet thrombus size in hamster cheek pouch. Shishido M, et al. **Microvasc Res** 1981 Sep;22(2):199–209
Thromboxanes and ischaemic vascular disease. Hornstra G. **Neth J Med** 1982;25(1):6–14 (114 ref.)
Genetic abnormalities of the fibrinolytic system. Aoki N. **Prog Clin Biol Res** 1981;72:229–47
The evaluation of plasmin and streptokinase activator complexes in a new rabbit model of venous thrombosis. Dupe RJ, et al. **Thromb Haemost** 1981 Aug 28;46(2):528–34
The thrombolytic activity of streptokinase in the rabbit. English PD, et al. **Thromb Haemost** 1981 Aug 28; 46(2):535–7
Severe thrombocytopenia delays but does not prevent the occlusion of an arterial prosthesis in rats. Reyers I, et al. **Thromb Haemost** 1981 Aug 28;46(2):558–60
Platelet functions in different types of congenital antithrombin–III deficiencies. Petó I, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):471–2
Distinction of two pathologic antithrombin III molecules: antithrombin III 'Aalborg' and antithrombin III 'Budapest'. Sørensen PJ, et al. **Thromb Res** 1982 May 1;26(3):211–9
[Effect of retinal vein thrombosis and coagulation factors in young adults (author's transl)] Saraux H, et al. **J Fr Ophtalmol** 1982;5(2):125–7 (Eng. Abstr.) **(Fre)**
[Thromboresistance of vascular wall, atherogenesis, and humoral factors of thrombogenesis] Barkagan ES, et al. **Ter Arkh** 1981;53(9):71–8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Oral contraceptives and postoperative venous thrombosis. DeStefano F, et al. **Am J Obstet Gynecol** 1982 May 15; 143(2):227–8
Oral contraceptives, clotting factors, and thrombosis. Meade TW. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):758–61
Cardiovascular effects and progestins in oral contraceptives. Wynn V. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 2):718
'Effort thrombosis' of the subclavian vein associated with oral contraceptives. Stricker SJ, et al. **Ann Emerg Med** 1981 Nov;10(11):596–9
Thrombosis and oral contraception [letter] Armitage P. **Br J Hosp Med** 1981 Aug;26(2):185–6
Thrombotic disorders associated with pregnancy and the pill. Tooke JE, et al. **Clin Haematol** 1981 Jun;10(2):613–30 (102 ref.)
Polyphosphazenes: effect of molecular motions on thrombogenesis. Reichert WM, et al. **J Biomed Mater Res** 1982 May;16(3):301–12
Portal vein thrombosis and fatal pulmonary thromboembolism associated with oral contraceptive treatment. Capron JP, et al. **J Clin Gastroenterol** 1981 Sep; 3(3):295–8
Thrombocytopenia and thrombosis associated with heparin therapy. Copeland RB. **J Med Assoc Ga** 1982 Apr; 71(4):263–4
A syndrome of thrombosis and hemorrhage complicating L–asparaginase therapy for childhood acute lymphoblastic leukemia. Priest JR, et al. **J Pediatr** 1982 Jun;100(6):984–9
Intravenous arachidonate–induced respiratory distress: comparative study of three in vivo models for the measurement of antithrombotic activity. Garcia Rafanell J, et al. **J Pharmacol Methods** 1982 May;7(3):231–8
A study on the in vivo production of thrombosis in rat mesenteric arterioles and action of prostaglandin (PG) I2 on the thrombosis. Takano S, et al. **Jpn J Pharmacol** 1982 Jun;32(3):439–44
Nephrotoxicity of cyclosporin A after allogeneic marrow transplantation: glomerular thromboses and tubular injury. Shulman H, et al. **N Engl J Med** 1981 Dec 3;305(23):1392–5
Experiments with nonthrombogenic and thrombogenic collagen in laboratory and clinical use. Sawyer PN, et al. **Polim Med** 1981;11(1):17–25
[P–pills (letter)] **Ugeskr Laeger** 1981 Mar 16;143(12):768–9 **(Dan)**
[Portal and superior mesenteric venous thrombosis secondary to oral contraceptive treatment. Two cases (author's transl)] Abet D, et al. **J Mal Vasc** 1982;7(1):59–63 (Eng. Abstr.) **(Fre)**
[Thrombotic microangiopathy and chronic renal failure caused by mitomycin C in 4 women treated for breast cancer [letter]] Bayle F, et al. **Nouv Presse Med** 1982 Jun 26;11(30):2300–1 **(Fre)**
[Vascular thrombosis related to oral contraceptives and antiethinylestradiol antibodies—epidemiology and prevention (author's transl)] Beaumont V, et al. **Ther Umsch** 1982 Feb;39(2):109–13 (Eng. Abstr.) **(Fre)**
[Mesenteric microthrombosis: a new method for the study of injectable agents] Hernández MR, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):35–8 **(Spa)**

COMPLICATIONS

Lethal chylothoraces due to superior vena caval thrombosis in infants. Kramer SS, et al. **AJR** 1981 Sep;137(3):559–63
Mesenteric complications in a patient with polycythemia vera. Whelan MA, et al. **Am J Gastroenterol** 1982 Jul; 77(7):526–8
Intrahepatic portal vein sclerosis in patients without a history of liver disease. An autopsy study. Wanless IR, et al. **Am J Pathol** 1982 Jan;106(1):63–70
Mural thrombus of the aorta: an important, frequently neglected cause of large peripheral emboli. Williams GM, et al. **Ann Surg** 1981 Dec;194(6):737–44
Renal vein thrombosis. Harrington JT, et al. **Annu Rev Med** 1982;33:255–62
Left ventricular mural thrombus in a patient with thrombocytosis and agnogenic myeloid metaplasia. Baker KM, et al. **Arch Intern Med** 1981 Oct;141(11):1527–9
Superior vena cava thrombosis and pulmonary embolus: Association with right atrial mural thrombus. Goldstein MF, et al. **Arch Intern Med** 1982 Sep;142(9):1726–8
Post–cholecystectomy jaundice due to intracholedochal blood clot. Dos Reis L, et al. **Br J Surg** 1981 Dec;68(12):885
Gastric variceal bleeding due to occlusion of splenic vein in pancreatic disease. Keith RG, et al. **Can J Surg** 1982 May;25(3):301–4
Neuropsychiatric disturbance due to occult occlusion of the portal vein. Yik KY, et al. **Can Med Assoc J** 1982 Jan 1;126(1):50–2
Dysbaric osteonecrosis: a consequence of intravascular bubble formation, endothelial damage, and platelet thrombosis. Slichter SJ, et al. **J Lab Clin Med** 1981 Oct; 98(4):568–90
Giant left atrium with massive mural thrombus in a patient with mitral stenosis. Depace NL, et al. **J Med Soc NJ** 1981 Oct;78(11):754–7
Splenic vein thrombosis: a curable form of portal hypertension. Cummings R, et al. **J Miss State Med Assoc** 1982 May;23(5):137–8
Paralysis and aortic thrombosis following blunt abdominal trauma. Macbeth A, et al. **J Trauma** 1982 Jul;22(7):591–4
Renovascular hypertension due to spontaneous thrombus formation – a successful case treated by saphenous vein bypass grafting. Cobos JM, et al. **Kobe J Med Sci** 1981 Oct;27(5):201–6
Renal vein thrombosis in nephrotic syndrome—a prospective study and review. Chugh KS, et al. **Postgrad Med J** 1981 Sep;57(671):566–70
Primary pulmonary hypertension: a facet of diffuse angiopathic process? Berliner S, et al. **Respiration** 1982; 43(1):76–9
[Persistent neonatal thrombosis of the arterial duct (author's transl)] Mazanec K, et al. **Cas Lek Cesk** 1981; 120(50):1537–8 (Eng. Abstr.) **(Cze)**
[Left atrial thrombi in post–rheumatic mitral valve disease] Dominik I, et al. **Rozhl Chir** 1982 May;61(5):349–55 (Eng. Abstr.) **(Cze)**
[Post–partum development of a mesenteric venous infarct and portal thrombosis in a young woman taking an oral contraceptive (author's transl)] Quancard X, et al. **J Mal Vasc** 1981;6(4):307–11 (Eng. Abstr.) **(Fre)**
[Isolated internal iliac vein thrombosis as a cause of recurrent pulmonary emboli (author's transl)] Heidrich H. **Dtsch Med Wochenschr** 1981 Nov 20;106(47):1576–7 (Eng. Abstr.) **(Ger)**
[Myocardial infarct or idiopathic coagulative myocardionecrosis? Epistemology of a crisis] Micheli E, et al. **G Ital Cardiol** 1981;11(7):869–78 (87 ref.) **(Ita)**
[Circulatory collapse in a man with nonbacterial thrombotic endocarditis (author's transl)] Nakao M, et al. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1273–6 **(Jpn)**
[Thrombosis at the site of abdominal aortic aneurysm with repeated myocardial infarction] Fujimoto T. **Nippon Rinsho** 1981;39(7):2656–61 **(Jpn)**
[Retinal vein accidents, risk factors in the appearance of neovascular glaucoma] Chercotă G, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):101–3 **(Rum)**
[Calcified tumefaction in the left atrium associated with aortic and mitral valve insufficiency] Stanić R, et al. **Med Pregl** 1981;34(9–10):459–64 (Eng. Abstr.) **(Scr)**
[Primary mesenteric venous thrombosis] Arroyo Guijarro A,

et al. **Rev Clin Esp** 1981 Nov 15;163(3):189–91 **(Spa)**
[Nephrotic syndrome, renal vein thrombosis and antithrombin III levels] Moreno Heredia E, et al. **Rev Clin Esp** 1981 Dec 31;163(6):411–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Stones or clots in the biliary tract. A diagnostic dilemma. Sandblom P, et al. **Acta Chir Scand** 1981;147(8):673–83
Major anomalies of the genitourinary tract in the neonate. Pintér A. **Acta Paediatr Acad Sci Hung** 1982;23(1):51–8
Limitations of echocardiographic techniques in evaluation of left atrial masses. Come PC, et al. **Am J Cardiol** 1981 Nov;48(5):947–53
Two dimensional echocardiographic detection of intraatrial masses. DePace NL, et al. **Am J Cardiol** 1981 Nov; 48(5):954–60
Localized amniotic fluid embolism presenting as ovarian vein thrombosis and refractory postoperative fever. Kern SB, et al. **Am J Clin Pathol** 1981 Oct;76(4):476–80
Case report. Unilateral renal vein thrombosis without proteinuria. Sapir DG, et al. **Am J Med Sci** 1982 Mar–Apr; 283(2):89–93
Ophthalmodynamometry: comparative study of obstruction of the central retinal artery and thrombosis of the internal carotid artery. Sayegh FN. **Angiology** 1981 Dec; 32(12):855–60
Suspected deep vein thrombosis. Management by impedance plethysmography. Wheeler HB, et al. **Arch Surg** 1982 Sep; 117(9):1206–9
Clinical presentation and non-invasive diagnosis of right heart masses. Stern MJ, et al. **Br Heart J** 1981 Nov; 46(5):552–8
Sonographic diagnosis of calcified thrombus of the inferior vena cava. Cunat JS, et al. **Br J Radiol** 1982 Feb; 55(650):160–2
Ultrasound features of tumour thrombus in the IVC in retroperitoneal tumours. Pussell SJ, et al. **Br J Radiol** 1981 Oct;54(646):866–9
Saphenous thrombosis mimicking adductor tendinitis [letter] Durnin RA. **Can Med Assoc J** 1982 Feb 1;126(3):232
Superiority of echocardiography over angiocardiography in diagnosing a left ventricular thrombus. van Meurs-van Woezik H, et al. **Chest** 1981 Sep;80(3):321–3
Detection of left ventricular thrombus by two-dimensional echocardiography: sensitivity, specificity, and causes of uncertainty. Stratton JR, et al. **Circulation** 1982 Jul; 66(1):156–66
Large Mobile pedunculated left ventricular thrombus: identification by two-dimensional echocardiography. Chen CC, et al. **Clin Cardiol** 1981 Jul–Aug;4(4):189–92
Circulating platelet aggregates: absence of correlation with tests of thrombophilia in aged arteriosclerotic patients [letter] Casale G, et al. **Haematologica (Pavia)** 1981 Aug; 66(4):531
Moyamoya disease with central retinal vein occlusion. Case report. Siamovits TL, et al. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):123–7
Ultrasound findings in Budd–Chiari syndrome and portal vein thrombosis. Raskin SP, et al. **J La State Med Soc** 1981 Oct;133(10):149–51
Thrombosed arteriovenous malformations of the brain. An important entity in the differential diagnosis of intractable focal seizure disorders. Wharen RE Jr, et al. **J Neurosurg** 1982 Oct;57(4):520–6
Neonatal aortic thrombosis [letter] Doshi U, et al. **J Pediatr** 1981 Dec;99(6):1002–3
Doppler flow and radionuclide scan studies in the evaluation and management of peripheral artery thrombosis in the neonate. Puppala BL, et al. **J Pediatr** 1981 Nov;99(5):791–4
Ultrasound of coexisting right renal vein thrombosis and adrenal hemorrhage in a newborn. Bowen A, et al. **JCU** 1981 Nov–Dec;9(9):511–3
Ultrasonic prediction of complications following normal vaginal delivery. Lipinski JK, et al. **JCU** 1981 Jan;9(1):17–9
Arterial embolism and thrombosis. Gaspar MR. **Major Probl Clin Surg** 1981;4:158–75 (74 ref.)
Left ventricular thrombosis after myocardial infarction [letter] **N Engl J Med** 1981 Dec 3;305(23):1415–6
Comparison of Indium-111 platelet scintigraphy and two-dimensional echocardiography in the diagnosis of left ventricular thrombi. Ezekowitz MD, et al. **N Engl J Med** 1982 Jun 24;306(25):1509–13
Antithrombin assay – the use of human or bovine thrombin and the observation of a 'second' heparin cofactor. Friberger P, et al. **Thromb Res** 1982 Mar 1;25(5):433–6
Assay of urokinase activity in plasma with a chromogenic substrate. Hayashi S, et al. **Thromb Res** 1981 Jun 1–25; 22(5–6):573–8
Central retinal vein occlusion: a prospective histopathologic study of 29 eyes in 28 cases. Green WR, et al. **Trans Am Ophthalmol Soc** 1981;79:371–422
Bilateral renal vein thrombosis in infancy and childhood. Gonzalez R, et al. **Urol Clin North Am** 1982 Jun;9(2):279–83
Two-dimensional echocardiographic detection of left atrial thrombi. Perry LS, et al. **Wis Med J** 1981 Nov;80(11):29–32
[A ball-shaped thrombus with a thin stalk in the left atrium] Widimsky P, et al. **Vnitr Lek** 1982 Jul;28(7):694–7 **(Cze)**
[Renal venous thrombosis in infants. Ultrasonic findings in 7 cases (author's transl)] Montagne JP, et al. **Arch Fr Pediatr** 1982 Feb;39(2):67–73 (Eng. Abstr.) **(Fre)**
[Detection of intracardiac thrombi by scanography (letter)] Benichou M, et al. **Nouv Presse Med** 1981 Nov 7; 10(40):3322–3 **(Fre)**
[Right atrial thrombosis: clinical and pathological findings and course (author's transl)] Ion IC, et al. **Poumon Coeur** 1981;37(6):345–9 (Eng. Abstr.) **(Fre)**
[Diagnosis of increased thrombotic tendency with chromogenic substrates] Vinazzer H. **Folia Haematol (Leipz)** 1982;109(1):135–41 (Eng. Abstr.) **(Ger)**
[The radiofibrinogen test and the fibrinsplit product test in the diagnosis of deep veinous thrombophlebitis during radiotherapy. A contribution to the evaluation for silent acute thrombophlebitis (author's transl)] Ardelt W. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):185–7 (Eng. Abstr.) **(Ger)**
[Often without symptoms or misdiagnosed: renal vein thrombosis] Kuntz RM, et al. **Med Klin** 1981 Oct 9; 76(21):590–4 **(Ger)**
[Paget–von Schroetter syndrome. Current status of diagnosis and therapy] Dinkelaker F, et al. **Med Welt** 1982 May 7; 33(18):671–5 **(Ger)**
[Pylethrombosis following splenectomy (author's transl)] Aufschnaiter M, et al. **MMW** 1981 Oct 2;123(40):1503–5 (Eng. Abstr.) **(Ger)**
[Primary thrombosis of the brachiocephalic veins] Ben Chetrit E, et al. **Harefuah** 1981 Dec 1;101(11):293–5 (Eng. Abstr.) **(Heb)**
[Antithrombin III: critical review of the methods used for its monitoring in thrombophilic states] Modiano A, et al. **G Clin Med** 1981 Sep;62(9):597–608 (59 ref.) (Eng. Abstr.) **(Ita)**
[Reliability of M-mode and B-mode echocardiography in detection of left intra-atrial masses (author's transl)] Jacovella G, et al. **G Ital Cardiol** 1982;11(11):1637–45 (Eng. Abstr.) **(Ita)**
[Echocardiographic diagnosis of left atrial thrombosis (author's transl)] Recusani F, et al. **G Ital Cardiol** 1981; 11(7):941–7 (Eng. Abstr.) **(Ita)**
[Frozen section diagnosis of obstructive pulmonary vascular disease (author's transl)] Yamaki S, et al. **Kyobu Geka** 1981 Jul;34(7):510–2 (Eng. Abstr.) **(Jpn)**
[Ultrasonic diagnosis of tumor thrombosis of the portal vein and inferior vena cava (author's transl)] Yoshida Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):335–42 (Eng. Abstr.) **(Jpn)**
[Diagnosis and treatment of acute obstructions of the superior mesenteric artery] Avgust VK. **Vestn Khir** 1981 Nov; 127(11):24–6 (Eng. Abstr.) **(Rus)**
[Rhinogenic intracranial complications in children] Shuster MA, et al. **Vestn Otorinolaringol** 1981 Nov–Dec;(6):35–8 (Eng. Abstr.) **(Rus)**
[Renal vein thrombosis in a newborn infant] Zivković SM, et al. **Srp Arh Celok Lek** 1981 Oct;109(10):1393–8 (Eng. Abstr.) **(Scc)**
[2-dimensional echocardiography in left auricular thrombosis] García-Fernández MA, et al. **Rev Esp Cardiol** 1982;35(2):147–50 (Eng. Abstr.) **(Spa)**
[Pregnancy thrombosis – clinical manifestations] Bergqvist A, et al. **Lakartidningen** 1982 Mar 10;79(10):901–2 **(Swe)**

DRUG THERAPY

Prevention of occlusive coronary artery thrombosis by prostacyclin infusion in the dog. Romson JL, et al. **Circulation** 1981 Nov;64(5):906–14
Thrombolytic therapy for a thrombosed Bjork-Shiley tricuspid valve prosthesis. Hellestrand KJ, et al. **Clin Cardiol** 1982 May;5(5):347–50
Heparin. Thomas DP. **Clin Haematol** 1981 Jun;10(2):443–58 (71 ref.)
Thrombolysis with human extrinsic (tissue-type) plasminogen activator in dogs with femoral vein thrombosis. Korninger C, et al. **J Clin Invest** 1982 Mar;69(3):573–80
Urokinase therapy for a catheter-related right atrial thrombus. Delaplane D, et al. **J Pediatr** 1982 Jan; 100(1):149–52
Anticoagulant therapy by continuous heparinization in newborn and older infants. McDonald MM, et al. **J Pediatr** 1982 Sep;101(3):451–7
Emergency fibrinolytic treatment of thrombosed prosthetic heart valves [letter] Olson GW, et al. **Lancet** 1982 May 15;1(8281):1122
Intracoronary thrombolysis [letter] Sautter RD. **Wis Med J** 1981 Nov;80(11):13–4
[Medical treatment of retinal venous occlusions with a new defibrinating agent (Defibrase). Preliminary study] Gaudric A, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):79–82 **(Fre)**
[Reopening, by in situ injection of streptokinase, a brachial artery thrombosed by catheterization (letter)] Valeix B, et al. **Nouv Presse Med** 1982 Jan 30;11(4):278–9 **(Fre)**
[From logical discovery to therapy (author's transl)] Caen JP. **Nouv Rev Fr Hematol** 1981;23(2):75–7 **(Fre)**
[Fibrinolytic treatment of acute and subacute thromboses of the deep veins of the shoulder girdle (author's transl)] Theiss W, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):933–6 (Eng. Abstr.) **(Ger)**
[Systemic and selective streptokinase therapy in arterial occlusions] Hess H. **Internist (Berlin)** 1982 Jul;23(7):405–9 **(Ger)**
[Successful anticoagulant treatment in bilateral thrombosis of the renal vein] Neyer U, et al. **Med Welt** 1982 Jun 18; 33(24):903–6 **(Ger)**
[Practical angiology, part 3. Local lysis] Marshall M. **MMW** 1982 Mar 5;124(9):100–1 **(Ger)**
[Thrombosis therapy and the prophylaxis of thrombosis recurrences in obstetrics] Voigt T, et al. **Z Gesamte Inn Med** 1981 Jun 15;36(12):418–21 (Eng. Abstr.) **(Ger)**
[Local low-dose streptokinase therapy of shunt thrombosis in chronic hemodialysis patients] Grohmann G, et al. **Z Urol Nephrol** 1981 Aug;74(8):597–601 (Eng. Abstr.) **(Ger)**
[Late observations after conservative treatment of Paget–Schroetter syndrome] Jonecko A, et al. **Wiad Lek** 1981 Sep 15;34(18):1553–7 (Eng. Abstr.) **(Pol)**
[Current problems of antithrombotic therapy] Liusov VA, et al. **Kardiologiia** 1981 Aug;21(8):5–17 (9 ref.) **(Rus)**
[Conservative treatment of acute thrombosis of the major veins of the upper extremities (Paget–Schroetter syndrome)] Koniukhov SG, et al. **Klin Med (Mosk)** 1982 Mar;60(3):101–3 **(Rus)**
[Antithrombotic therapy principles in acute thromboses of the major veins] Il'in VN, et al. **Vestn Khir** 1981 Oct; 127(10):89–94 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Comparative characteristics of the malate dehydrogenase isoenzymatic spectrum in the skin of healthy persons and patients with postthrombotic and varicose disease of the veins of the legs] Zhukov BN, et al. **Klin Khir** 1981 Jul; (7):60–1 **(Rus)**

ETIOLOGY

Material thrombogenicity in central venous catheterization. I. A comparison between uncoated and heparin-coated, long antebrachial, polyethylene catheters. Bennegård K, et al. **Acta Anaesthesiol Scand** 1982 Apr;26(2):112–20
Superior vena cava syndrome following permanent transvenous endocardial cardiac pacing. Schulier JP, et al. **Acta Cardiol (Brux)** 1982;37(1):39–45
The effect of lumbar epidural analgesia on the development of deep vein thrombosis of the legs after open prostatectomy. Hendolin H, et al. **Acta Chir Scand** 1981; 147(6):425–9
Temporary ischaemia induced by degradable starch microspheres. Possible thrombogenic effects in vivo and in vitro. Lote K. **Acta Radiol [Oncol]** 1981;20(2):91–6
Successful streptokinase therapy of acute idiopathic superior vena cava thrombosis. Herrera JL, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1063–4
Optimal management of suspected thrombosis of standard Björk–Shiley unmarked tilting disc mitral valve prosthesis. Olinger GN, et al. **Am Heart J** 1982 Mar;103(3):440–3
Pericardiocentesis induced intrapericardial thrombus: detection by two-dimensional echocardiography. Schuster AH, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):308–11
Antithrombin III deficiency appearing as mesenteric vein thrombosis. Pokorney BH, et al. **Am J Gastroenterol** 1981 Dec;76(6):534–7
Oral contraception, circulating immune complexes, antiethinylestradiol antibodies, and thrombosis. Beaumont V, et al. **Am J Reprod Immunol** 1982 Feb;2(1):8–12
Femoropopliteal tibial bypass: what price failure? Raviola CA, et al. **Am J Surg** 1982 Jul;144(1):115–23
Superior vena caval thrombosis as a complication of peritoneovenous shunt in malignancy. Ruff S, et al. **Am Surg** 1981 Sep;47(9):415–6
An unusual complication following cannulation of an external jugular vein [letter] Berry AJ, et al. **Anesthesiology** 1982 May;56(5):411–2
Bilateral renal artery thrombotic occlusion: a unique complication following removal of a transthoracic intraaortic balloon. Baciewicz FA Jr, et al. **Ann Thorac Surg** 1982 Jun;33(6):631–4
Porcine valve bioprosthesis: early thrombosis with systemic emboli. Bennett EV Jr, et al. **Ann Thorac Surg** 1982 Feb; 33(2):197–9
Surgical relief of thrombotic superior vena cava obstruction caused by endocardial pacing catheter. Blair TP, et al. **Ann Thorac Surg** 1982 May;33(5):511–5
St. Jude valve [letter] Nellis N. **Ann Thorac Surg** 1982 Apr; 33(4):418
The biology of thrombosis. Nemerson Y, et al. **Annu Rev Med** 1982;33:479–88
Aortic thrombosis after umbilical artery catheterization. Flanigan DP, et al. **Arch Surg** 1982 Mar;117(3):371–4
Thrombosis in the lupus kidney [letter] Grant KD, et al. **Arthritis Rheum** 1982 Jan;25(1):117
In vivo thrombogenicity of implantable cardiac pacing leads. Devanathan T, et al. **Biomater Med Devices Artif Organs** 1980;8(4):369–79
Monoclonal cryoglobulin of IgG (lambda) type interacting with transferrin. Hilgard P, et al. **Blut** 1981 Oct; 43(4):217–25
Mesenteric venous thrombosis. Fraser I, et al. **Br J Surg** 1981 Aug;68(8):597–8
Complication of the reuse of flow-directed pulmonary artery catheters. Park GR, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):258–9
A complication following Kimray-Greenfield filter insertion. Leiter B, et al. **Cardiovasc Intervent Radiol** 1981;4(3):215–7
Effect of intraarterial injection of heparin on the

complications of percutaneous arterial catheterization in infants and children. Rao PS, et al. **Cathet Cardiovasc Diagn** 1981;7(3):235–46

Internal jugular thrombosis and pulmonary embolism [letter] Bradway W, et al. **Chest** 1981 Sep;80(3):335–6

Starch as a cause of thrombus with Swan–Ganz catheters [letter] Brunswick RA, et al. **Chest** 1982 Jul;82(1):131

Thrombosis of St. Jude medical cardiac valve in the mitral position. Commerford PJ, et al. **Chest** 1981 Sep;80(3):326–7

Facial swelling: a complication of transvenous pacing. Deanfield JE, et al. **Clin Cardiol** 1982 Apr;5(4):308–9

Platelets, prostaglandins and thrombotic disorders. de Gaetano G. **Clin Haematol** 1981 Jun;10(2):297–326 (133 ref.)

Thrombosis and artificial surfaces. Forbes CD. **Clin Haematol** 1981 Jun;10(2):653–68 (100 ref.)

Blood rheology and thrombosis. Lowe GD, et al. **Clin Haematol** 1981 Jun;10(2):343–67 (156 ref.)

Laboratory evaluation of hypercoagulability. Lowe GD. **Clin Haematol** 1981 Jun;10(2):407–42 (247 ref.)

Risk associations in the thrombotic disorders. Meade TW. **Clin Haematol** 1981 Jun;10(2):391–405 (57 ref.)

Thrombosis of the axillary artery and brachial plexus injury secondary to shoulder dislocation. Sarma A, et al. **Conn Med** 1981 Aug;45(8):513–4

Phlegmasia coerulea dolens after pelvic phlebography with meglumine metrizoate. Laerum F, et al. **Eur J Radiol** 1981 May;1(2):117–8

On the hemolytic and thrombogenic potential of occluder prosthetic heart valves from in-vitro measurements. Figliola RS, et al. **J Biomech Eng** 1981 May;103(2):83–90

Thrombosis of the popliteal artery in a jogger. A case report. Madigan RR, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1490–2

The effect of a thigh tourniquet on the incidence of deep venous thrombosis after operations on the fore part of the foot. Simon MA, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):188–91

Spontaneous thrombosis of a giant intracranial aneurysm and ipsilateral internal carotid artery. Case report. Whittle IR, et al. **J Neurosurg** 1982 Feb;56(2):287–9

Fatal thrombosis of an aortic St. Jude Medical valve despite 'adequate' anticoagulation: anatomic and technical considerations [letter] Moulton AL, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):472–3

Thrombosis of the Björk–Shiley prosthesis: illustrative cases and review of the literature. Wright JO, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):138–44

Electric burns and frostbite: patterns of vascular injury. Lazarus HM, et al. **J Trauma** 1982 Jul;22(7):581–5

Traumatic bilateral renal artery thrombosis: case report and review of literature. Lohse JR, et al. **J Urol** 1982 Mar; 127(3):522–5

Distant metastasis of renal adenocarcinoma in patients with a tumor thrombus in the renal vein and/or vena cava. Saitoh H. **J Urol** 1982 Apr;127(4):652–3

Intraluminal renal vein thrombus secondary to metastatic disease to the kidney: a case report. Weiner SN. **J Urol** 1982 Aug;128(2):372–3

Aortic thrombosis in antithrombin III deficiency [letter] Winter JH, et al. **JAMA** 1982 Feb 26;247(8):1127–8

Thromboembolic complications with silicone elastomer subclavian catheters. Ross AH, et al. **JPEN** 1982 Jan–Feb; 6(1):61–3

Massive thrombosis around subclavian cannulas used for haemodialysis [letter] Ratcliffe PJ, et al. **Lancet** 1982 Jun 26;1(8287):1472–3

Thrombus formation and central venous catheters [letter] Stephens WP, et al. **Lancet** 1982 Sep 18;2(8299):664–5

Thrombosis as a complication of pulmonary-artery catheterization via the internal jugular vein: prospective evaluation by phlebography. Chastre J, et al. **N Engl J Med** 1982 Feb 4;306(5):278–81

Renal vein thrombosis and the nephrotic syndrome: cause or effect? Lenders JW, et al. **Neth J Med** 1982;25(2):33–6

An unusual complication of the unremoved unwanted pacing wire. Dalal JJ, et al. **PACE** 1981 Jan;4(1):14–6

Aggregation of platelets in damaged vessels. Born GV, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):241–50

Ulnar artery thrombosis and ulnar nerve compression associated with an anomalous hypothenar muscle. Weeks PM, et al. **Plast Reconstr Surg** 1982 Jan;69(1):130–1

Arterial thrombosis and accelerated atheroma in a member of a family with familial antithrombin III deficiency. Winter J, et al. **Postgrad Med J** 1982 Feb;58(676):108–9

A classification of disorders of hemostasis and thrombosis in patients with malignancy. Schmaier AH, et al. **Prog Clin Biol Res** 1982;89:1–20

Systemic bullet embolism. McQuaide JR, et al. **S Afr J Surg** 1981 Jun;19(2):145–9

Dysfunction of the Björk–Shiley prosthesis. Report of 32 cases. Montero CG, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):9–15

Occlusion of the vena cava in infants receiving central venous hyperalimentation. Fonkalsrud EW, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):189–92

The closure index: prediction of long-term patency of femoropopliteal vein grafts. LiCalzi LK, et al. **Surgery** 1982 Apr;91(4):413–8

Effect of surface porosity on early thrombogenicity using vascular grafts with two surfaces in sequence. Goldberg L, et al. **Trans Am Soc Artif Intern Organs** 1981;27:517–21

Transient thrombus deposition on chitosan–heparin coated polyethylene. Lambrecht LK, et al. **Trans Am Soc Artif Intern Organs** 1981;27:380–5

Direct comparison of biomaterials and endothelium in an ex vivo shunt. Lindenauer SM, et al. **Trans Am Soc Artif Intern Organs** 1981;27:231–5

Renal vein thrombosis in renal cell carcinoma. Proteinuria as diagnostic sign. Baum NH, et al. **Urology** 1982 Feb; 19(2):131–4

Effort thrombosis, a complication of thoracic outlet syndrome. Dunant JH. **Vasa** 1981;10(4):322–4

Renal vein thrombosis complicating lipoid nephrosis. Elliott CG, et al. **West J Med** 1982 Jun;136(6):533–6

[Intrahepatic bile stones with biliary stone thrombus (author's transl)] Meng XQ. **Chung Hua Wai Ko Tsa Chih** 1981 Jul; 19(7):401–2 (Eng. Abstr.) **(Chi)**

[The role of platelets in thrombosis and coronary heart disease (author's transl)] Ye ZM. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):68–70 **(Chi)**

[Thrombosis of the axillary artery. Vascular damage and presumed thrombogenesis due to long-term use of crutches] Nielsen JS. **Ugeskr Laeger** 1981 Mar 15; 143(11):679–80 (Eng. Abstr.) **(Dan)**

[Arterial circulation disorders of the hand using the hypothenar ridge as a hammer] Carol EJ, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5;125(36):1444–50 (Eng. Abstr.) **(Dut)**

[Dehydration with thrombosis of the abdominal aorta in a neonate (author's transl)] Thibaud D, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):132–4 (Eng. Abstr.) **(Fre)**

[Superior vena cava syndrome: a rare complication of endocavitary cardiac pacing] Bonnet F, et al. **Arch Mal Coeur** 1981 Oct;74(10):1241–5 (Eng. Abstr.) **(Fre)**

[Arterial thrombosis of the femoro-popliteal axis. An exceptional case of vascular complication by exostosis (author's transl)] Metras D, et al. **J Mal Vasc** 1981; 6(4):289–91 (Eng. Abstr.) **(Fre)**

[Thrombotic obstruction with tilting disc valves (author's transl)] Holtz K, et al. **Dtsch Med Wochenschr** 1982 Apr 2;107(13):494–7 (Eng. Abstr.) **(Ger)**

[Thrombophilic factors in the treatment of vulvar cancer (author's transl)] Siekmann U, et al. **Geburtshilfe Fraunheilkd** 1982 Feb;42(2):130–6 (Eng. Abstr.) **(Ger)**

[Development of retinal vein thrombosis after argon laser photocoagulation (author's transl)] Vidic B, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):415–7 (Eng. Abstr.) **(Ger)**

[Traumatic renal vein thrombosis] Kuntz RM, et al. **Med Klin** 1981 Oct 9;76(21):595–6 (Eng. Abstr.) **(Ger)**

[Spontaneous rupture into the supra-renal inferior vena cava of a large posterior unilocular hydatid cyst] Boumghar M. **Praxis** 1982 Jun 15;71(24):1022–6 (Eng. Abstr.) **(Ger)**

[Effect of the diameter of blood vessel prostheses on the occlusion frequency. An animal experimental study] Enzler MA, et al. **Vasa** 1981;10(4):312–4 (Eng. Abstr.) **(Ger)**

[Vascular injuries caused by electric direct current in experimental thrombosis models] Reimann G, et al. **Z Exp Chir** 1981 Dec;14(6):397–402 (Eng. Abstr.) **(Ger)**

[Successful thrombolytic therapy of thrombosis caused by the Björk–Shiley mitral valve prosthesis] Nagy ES, et al. **Orv Hetil** 1981 Aug 30;122(35):2161–7 **(Hun)**

[Left atrial massive thrombosis and calcification of the auricular wall as mitral valvotomy complication. Considerations on 17 cases surgically treated (author's transl)] Pardini S, et al. **G Ital Cardiol** 1981;11(10):1477–80 **(Ita)**

[Thrombocytosis. Considerations on a case with intestinal thrombosis diagnosed at the age of 4 months and treated with platelet anti-aggregants] Cottafava F, et al. **Minerva Pediatr** 1981 Dec;33(24):1199–202 **(Ita)**

[Thrombosis and blood rheology (author's transl)] Niimi H, et al. **Iyodenshi To Seitai Kogaku** 1981 Dec;19(7):498–501 (18 ref.) **(Jpn)**

[A case of portal thrombosis with bilio-portal fistula (author's transl)] Onitsuka A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1807–11 **(Jpn)**

[Abnormal platelet adhesion to subendothelium and thrombus formation in glycogen storage disease, type I (author's transl)] Taki M, et al. **Rinsho Ketsueki** 1981 Dec; 22(12):1875–9 (Eng. Abstr.) **(Jpn)**

[Nephrotic syndrome and renal vein thrombosis – report on 2 cases] Suwała W, et al. **Pol Arch Med Wewn** 1981 Sep; 66(3):237–42 (Eng. Abstr.) **(Pol)**

[Intracardiac thrombosis of the right ventricle caused by Candida (candidiasis endocarditis). Report of a case] de Arriaga AD, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct;23(5):225–8 (Eng. Abstr.) **(Por)**

[Significance of hemostatic and fibrinolytic changes in thrombus formation in cardiovascular diseases] Andreenko GV. **Kardiologiia** 1981 Aug;21(8):120–5 (66 ref.) **(Rus)**

[Hemostasis disorders and their treatment in patients with chronic myeloproliferative diseases] Sidorova LD, et al. **Ter Arkh** 1981;53(9):91–5 (Eng. Abstr.) **(Rus)**

[Atrial flutter and peripheral embolism in a newborn (author's transl)] Salazar J, et al. **An Esp Pediatr** 1981 Nov; 15(5):478–81 (Eng. Abstr.) **(Spa)**

[Vascular complications of cervical ribs] Galindo N, et al. **Angiologia** 1982 Jan–Feb;34(1):10–4 **(Spa)**

[Vascular (angiological) manifestations in Behcet's syndrome. Presentation of 8 cases and a review of the literature] Vaquero F, et al. **Angiologia** 1981 Jul–Aug;33(4):186–202 (Eng. Abstr.) **(Spa)**

[Prethrombosis in child malnutrition] Jiménez R, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):580–9 (Eng. Abstr.) **(Spa)**

[Arteriovenous fistula and thrombosis of the renal vein: complication of a surgical renal biopsy] Muñoz Arizpe R, et al. **Bol Med Hosp Infant Mex** 1981 May–Jun; 38(3):499–505 (Eng. Abstr.) **(Spa)**

[Right atrial thrombosis caused by a Swan–Ganz catheter. Presentation of 2 cases] Núñez L, et al. **Rev Esp Cardiol** 1982;35(1):91–3 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

First Italian family with abnormal antithrombin III (an–III vicenza). Barbui T, et al. **Haematologica (Pavia)** 1981 Dec; 66(6):715–20

[A family with an estrogen–related thrombotic tendency and hereditary deficiency on antithrombin] Brandt P. **Ugeskr Laeger** 1981;143(34):2141–5 (Eng. Abstr.) **(Dan)**

HISTORY

A personal perspective on hemostasis and thrombosis (1937–1981). Seegers WH. **Semin Thromb Hemostas** 1981 Dec;7(3–4):177–307

METABOLISM

Polyunsaturated fatty acids, hyperlipidemia, and thrombosis. Goodnight SH Jr, et al. **Arteriosclerosis** 1982 Mar–Apr; 2(2):87–113 (193 ref.)

FOY: [ethyl p-(6-guanidinohexanoyloxy) benzoate] methanesulfonate as a serine proteinase inhibitor. II. In vivo effect on coagulofibrinolytic system in comparison with heparin or aprotinin. Ohno H, et al. **Thromb Res** 1981 Dec 1–15;24(5–6):445–52

[Penetration of the heparin–thromboplastin complex into brain tissues after administration of the complex into healthy animals and into animals with the prethrombotic state caused by atherogenic diet] Liapina LA, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):181–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The incidence and natural history of thrombus in the portal vein following distal splenorenal shunt. Henderson JM, et al. **Ann Surg** 1982 Jul;196(1):1–7

Incidence of thrombosis in inherited antithrombin III deficiency [letter] Matsuo O. **Thromb Res** 1981 Dec 1–15; 24(5–6):509–10

PATHOLOGY

Removal of fibrin thrombi in disseminated intravascular coagulation (DIC). Morphological studies. Shimamura K, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):659–63

Rate of endothelialization in venous thrombi: an experimental study. Tanaka K, et al. **Arch Surg** 1982 Aug;117(8):1045–8

Rapid dissolution of left ventricular thrombi. Gagnon RM, et al. **Can J Surg** 1982 Mar;25(2):195–6

Ruptured atheromatous plaques in saphenous vein coronary artery bypass grafts: a mechanism of acute, thrombotic, late graft occlusion. Walts AE, et al. **Circulation** 1982 Jan; 65(1):197–201

Free ball thrombus of the left atrium. Sögaard PE. **Eur J Cardiol** 1981;12(3–4):177–9

Identification of erythrocytes in intervillous thrombi: a study using immunoperoxidase identification of hemoglobins. Kaplan C, et al. **Hum Pathol** 1982 Jun;13(6):554–7

Small skin blood vessel occlusions by cryoglobulin aggregates in ulcerative lesions in IgM–IgG cryoglobulinemia. Berliner S, et al. **J Cutan Pathol** 1982 Apr;9(2):96–103

Ultrastructure of a model of thrombogenesis induced by mechanical injury. Le Menn R, et al. **J Submicrosc Cytol** 1981 Oct;13(4):537–49

Mural thrombosis of the left atrium following replacement of the mitral valve. Shachar GB, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):595–600

[A clinicopathologic analysis of 6 cases of nonbacterial thrombotic endocarditis (author's transl)] Zhang CH. **Chung Hua Nei Ko Tsa Chih** 1981 Sep;20(9):544–7 **(Chi)**

[Massive aortic thrombosis of newborn. One case (author's transl)] Gonzalez Mediero I, et al. **Ann Pathol** 1982; 2(2):173–5 (Eng. Abstr.) **(Fre)**

[Radio-anatomy of anastomoses between the deep femoral artery and the femoro-popliteal axis] Cronier P, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):477–85 (Eng. Abstr.) **(Fre)**

[Pro and con: etiology of arteriosclerosis. Significance of vascular wall factors] Hort W, et al. **Internist (Berlin)** 1981 Nov;22(11):661–3 **(Ger)**

[Combination of postnecrotic liver cirrhosis, chronic obstructive thrombophlebitis of the portal vein and Chiari's disease] Cherviak PI, et al. **Klin Khir** 1981 Sep;(9):62 **(Rus)**

[Morphology of umbilical sepsis under present-day conditions] Ivanovskaia TE, et al. **Pediatrila** 1981 Sep;

(9):5–8 **(Rus)**

[Case of a severe form of thrombophilia due to antithrombin III deficit] Siatkovskii VA. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):53–4 **(Rus)**

PHYSIOPATHOLOGY

Mini course: hemostasis. Unit four: hemostasis--thrombosis. Vondergeest J. **Am J Med Technol** 1982 Apr;48(4):257–61

The influence of blood flow on the behaviour of blood cells with particular reference to thrombosis. Born GV. **Arzneimittelforsch** 1981;31(11a):2012–4

Effects of dietary fatty acids, prostaglandins and related compounds on the role of platelets in thrombosis. Srivastava KC. **Biochem Exp Biol** 1980;16(3):317–38 (122 ref.)

The effect of n–3 and n–6 polyunsaturated fatty acids on platelet function in arterial disease. Gibney MJ. **Biochem Soc Trans** 1982 Jun;10(3):161–3

Mesenteric venous thrombosis [letter] Britton BJ, et al. **Br J Surg** 1982 Feb;69(2):117–8

Role of prostaglandin biochemical pathway in platelet–vessel wall interaction and local thrombosis. Bourgain RH, et al. **Haemostasis** 1982;11(3):133–8

Rheological factors in platelet – vessel wall interactions. Richardson PD. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18;294(1072):251–66

The haemodynamics of arterial thrombosis. Born GV. **Verh Dtsch Ges Inn Med** 1981;87:1321–4

[Recent studies on the mechanism and prevention of arterial thrombosis] Born GV. **J Pharmacol** 1982;13 Suppl 1:21–8 (36 ref.) **(Fre)**

[Electroencephalographic studies in thrombosis of extracranial arteries] Dąbrowska K. **Neurol Neurochir Pol** 1981 May–Jun;15(3):265–70 (Eng. Abstr.) **(Pol)**

[The role of prostaglandins in hemostasis and thrombosis] Maffei FH. **Arq Bras Cardiol** 1981 Jun;36(6):427–36 (103 ref.) **(Por)**

[Effect of prostaglandins E1, E2, F2 alpha and prostacyclin on the process of local thrombus formation following microvessel wall damage by lasers] Chernukh AM, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):677–80 (Eng. Abstr.) **(Rus)**

[Hemostasis in ischemic heart disease with manifestations of microthrombosis in the microcirculatory system] Furkalo NK, et al. **Kardiologiia** 1982 Mar;22(3):85–9 (Eng. Abstr.) **(Rus)**

[Clinico–hemodynamic indices used to assess the late results of treatment in acute iliofemoral venous thrombosis] Malakhov VP, et al. **Klin Khir** 1981 Jul;(7):57–8 **(Rus)**

[Pathophysiological aspects of peripheral hemodynamics in thrombotic obliterating diseases of the legs] Sidarenko LN, et al. **Klin Khir** 1981 Jul;(7):20–3 (Eng. Abstr.) **(Rus)**

[Problems in atherosclerosis, hypertension, myocardial infarct and thrombosis in light of the theory of the functional role of the anticoagulation system] Kalishevskaia TM. **Patol Fiziol Eksp Ter** 1982 Mar–Apr;(2):82–6 (66 ref.) **(Rus)**

[Hemostasis and the mast cell reaction in the experimental thrombohemorrhagic phenomenon] Samoilova NM, et al. **Patol Fiziol Eksp Ter** 1982 Mar–Apr;(2):70–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Antithrombotic effects of lidocaine and related compounds on laser–induced microvascular injury. Luostarinen V, et al. **Acta Anaesthesiol Scand** 1981 Feb;25(1):9–11

Reduction of catheter–associated thrombosis in parenteral nutrition by intravenous heparin therapy. Brismar B, et al. **Arch Surg** 1982 Sep;117(9):1196–9

Chemical phlebothrombosis of large veins [letter] Sriram K, et al. **Arch Surg** 1982 Jul;117(7):982

Hemodilution in orthopedic surgery. Kerschen J. **Bibl Haematologica** 1981;47:287–96

The relationship between the hemorrhagic and antithrombotic properties of low molecular weight heparin in rabbits. Carter CJ, et al. **Blood** 1982 Jun;59(6):1239–45

Clinical experience with vena caval filters in high–risk cancer patients. Cantelmo NL, et al. **Cancer** 1982 Jul 15; 50(2):341–4

Drug trials in prevention of occlusion of aorta--coronary artery vein grafts. Chesebro JH, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):90–3

Thwarting thrombogenesis on artificial surfaces [news] Gunby P. **JAMA** 1982 Apr 16;247(15):2079

Cannula insertion and hemodialysis [letter] **Lancet** 1982 Jul 24;2(8291):213

Aspirin and emboli [letter] Cheng TO. **Lancet** 1981 Oct 10; 2(8250):809

Pyridoxine, thrombosis, and prostaglandins [letter] Das UN. **Lancet** 1981 Sep 19;2(8247):638

Vitamin B6 as an antithrombotic agent [letter] Packham MA, et al. **Lancet** 1981 Oct 10;2(8250):809–10

User acceptance of a computer–assisted anticoagulation control system. Vossepoel AM. **Med Inf (Lond)** 1981 Apr–Jun;6(2):131–6

Heparin bonding reduces thrombogenicity of pulmonary–artery catheters. Hoar PF, et al. **N Engl J Med** 1981 Oct 22;305(17):993–5

Heparin bonding and long–term protection against thrombogenesis [letter] Mangano DT. **N Engl J Med** 1982 Sep 30;307(14):894–5

Aspirin to prevent arterial thrombosis [editorial] Salzman EW. **N Engl J Med** 1982 Jul 8;307(2):113–5

Antithrombotic effects of drugs which suppress platelet function: their potential in prevention growth of tumour cells. Turpie AG. **Prog Clin Biol Res** 1982;89:31–62 (133 ref.)

Prevention of closure of aorto–coronary venous bypass grafts. Dale J. **Scand J Haematol [Suppl]** 1981;38:131–41

Incidence and prevention of thrombosis of the subclavian vein during total parenteral nutrition. Fabri PJ, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):238–40

The antithrombotic nature of vascular prosthetic pseudointima. Clagett GP, et al. **Surgery** 1982 Jan; 91(1):87–94

Salicylate–aspirin interaction and thrombosis prevention trials [letter] de Castellarnau C, et al. **Thromb Haemost** 1981 Jun 30;45(3):294

Anticoagulant and antithrombotic effects of heparin and low molecular weight heparin fragments in rabbits. Holmer E, et al. **Thromb Res** 1982 Mar 15;25(6):475–85

Prevention of platelet aggregation in patients with prostatic cancer during estrogen therapy. Koiso K, et al. **Urology** 1982 Jun;19(6):579–83

[Effect of tetramethylpyrazine on experimental thrombosis formation (author's transl)] Yin WT, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Dec;2(4):238–40 (Eng. Abstr.) **(Chi)**

[L–asparaginase, antithrombin III deficiency and thromboses (author's transl)] Bordigoni P, et al. **Arch Fr Pediatr** 1981 Nov;38(9):653–5 (Eng. Abstr.) **(Fre)**

[Prevention of thrombosis] Vinazzer H. **Beitr Infusionther Klinis Ernahr** 1981;8:16–21 **(Ger)**

[New method of preventing thrombosis: Intermittent sequential high–pressure leg compression (author's transl)] Mühe E. **Dtsch Med Wochenschr** 1982 Jul 16; 107(28):1092–5 (Eng. Abstr.) **(Ger)**

[Use of synthetic chromogenic substrates for the control of antithrombosis therapy with small doses of heparin] Bokarew IM, et al. **Folia Haematol (Leipz)** 1982; 109(1):142–9 **(Ger)**

[Platelet function inhibition and anticoagulation in coronary, cerebral and peripheral arterial occlusive disease. 2. Secondary prevention] Marshall M. **Fortschr Med** 1982 May 13;100(18):825–30 (Eng. Abstr.) **(Ger)**

[The meaning of specialist and adequate documentation for retrospective analysis of sicknesses (author's transl)] Scheibe O. **Langenbecks Arch Chir** 1981;355:411–20 (Eng. Abstr.) **(Ger)**

[The antithrombotic effect of dipyridamole and acetylsalicylic acid. A prospective clinical examination] Harjola PT, et al. **Med Welt** 1981 Jul 31;32(30–31):1178 **(Ger)**

[Thrombosis prophylaxis with dextran] Vinazzer H. **Med Welt** 1981 Jul 31;32(30–31):1174–7 **(Ger)**

[Prosthetic heart valves and anticoagulant therapy] Goldhammer E, et al. **Harefuah** 1981 Apr 1;100(7):337–40 **(Heb)**

[Is there a need for a delayed–action acetylsalicylic acid preparation in the prevention of thrombosis? (letter)] Barthó L. **Orv Hetil** 1981 Dec 6;122(49):3047–8 **(Hun)**

[Clinical studies on prevention of spinal hypotension and aortocaval compression during elective cesarean section (author's transl)] Haruta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):213–22 (Eng. Abstr.) **(Jpn)**

[Effect of aspirin, indomethacin and imidazole on thrombus formation at the site of a vascular wall injury by a laser ray] Chernukh AM, et al. **Patol Fiziol Eksp Ter** 1981; (6):66–70 (Eng. Abstr.) **(Rus)**

[Athrombogenic substances derived by immobilization of trypsin on the surface of synthetic polymers] Salganik RI, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):113–5 (Eng. Abstr.) **(Rus)**

[Clinico–biological effectiveness of triflusal during the postoperative period of patients with chronic ischemic syndrome of the extremities] Arcas R, et al. **Rev Med Univ Navarra** 1981 Jun;25(2):51–5 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Pyelorenal backflow in rabbits following clamping of the renal vein and artery: radiologic and microscopic investigation. Thomsen HS, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):143–8

Retropharyngeal edema, airway obstruction, and caval thrombosis. Hayden CK Jr, et al. **AJR** 1982 Apr; 138(4):757–8

Diagnosis of thrombosis by catheter phlebography after prolonged central venous catheterization. Brismar B, et al. **Ann Surg** 1981 Dec;194(6):779–83

Diagnosis of thrombotic giant basilar artery aneurysm on computed tomographic scan. Naheedy MH, et al. **Arch Neurol** 1982 Jan;39(1):64–5

Rapid disappearance of left ventricular mass (presumed thrombus) in a patient with cardiomyopathy. Bensaid J, et al. **Br Heart J** 1982 Mar;47(3):301–3

Intraluminal calcification and occlusion of the abdominal aorta above the renal arteries. Charnsangavej C. **Cardiovasc Intervent Radiol** 1981;4(4):242–4

Neonatal renal vein thrombosis – long–term follow–up after conservative management. Jobin J, et al. **Clin Nephrol** 1982 Jan;17(1):36–40

CT findings in chronic post–thrombotic obstruction of the inferior vena cava. Hadar H, et al. **CT** 1982 Apr;6(1):11–6

Computed tomographic demonstration of venous thrombosis of different etiologies. Allgayer B, et al. **Eur J Radiol** 1981 Aug;1(3):204–6

Widening of the upper mediastinum due to innominate vein thrombosis. Norlindh T, et al. **Eur J Radiol** 1982 May; 2(2):117–8

Flow phenomenon mimicking thrombus: a possible pitfall of the pedal infusion technique. Barnes PA, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):304–6

Case report. Intrahepatic pylethrombophlebitis. Vighakar SD, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):400–3

Perirenal cobwebs: a CT sign of renal vein thrombosis. Winfield AC, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):705–8

Angiographic classification of hepatic arterial collaterals. Charnsangavej C, et al. **Radiology** 1982 Aug;144(3):485–94

Obstruction of the superior vena cava or its major tributaries demonstrated by bolus–injection excretory urography. Drane WE, et al. **Radiology** 1982 Aug;144(3):499–504

Systemic–to–pulmonary collaterals in pathological states: a review. Tadavarthy SM, et al. **Radiology** 1982 Jul; 144(1):55–9

Computed tomographic findings in a case of renal vein thrombosis with nephrotic syndrome. Adler J, et al. **Urol Radiol** 1981;3(3):181–3

Computerized body tomography in neonatal renal vein thrombosis. Greene A, et al. **Urology** 1982 Aug;20(2):213–5

[A rare cause of benign cranial bone lacunae] Job C, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):137–9 **(Fre)**

[The diagnosis of bilateral renal artery thrombosis due to circular rupture of the intima following blunt abdominal trauma (author's transl)] Güttler CA. **ROFO** 1982 May; 136(5):553–60 (Eng. Abstr.) **(Ger)**

[CT findings in ileo–caval thrombosis (author's transl)] Harder T, et al. **ROFO** 1982 Mar;136(3):248–53 (Eng. Abstr.) **(Ger)**

[The compression syndrome of the left renal vein (author's transl)] Justich E. **ROFO** 1982 Apr;136(4):404–12 (Eng. Abstr.) **(Ger)**

[Sonographic determination of a tumor associated renal vein thromboses] Schulze K, et al. **ROFO** 1982 Feb;136(2):220–2 **(Ger)**

[Ultrasonic diagnosis of tumor thrombosis of the inferior vena cava, renal vein and right atrium in renal cell carcinoma and adrenal tumor (author's transl)] Yoshida Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Dec 25; 41(12):1164–76 (Eng. Abstr.) **(Jpn)**

[Case of venous mesenteric thrombosis] Osmanov RI. **Vestn Rentgenol Radiol** 1982;(2):84–5 **(Rus)**

[Phlebography could be necessary when deep venous thrombosis is suspected] Ursing B, et al. **Lakartidningen** 1982 Apr 14;79(15):1498–9 **(Swe)**

RADIONUCLIDE IMAGING

Acute renal vein thrombosis with a diagnostic renal scintigram. Quigley JM, et al. **AJR** 1981 Nov;137(5):1066–8

Femoropopliteal bypass grafts--an isotope technique allowing in vivo comparison of thrombogenicity. Goldman M, et al. **Br J Surg** 1982 Jul;69(7):380–2

Detection and localization of lower extremity deep venous thrombosis with radionuclide venography. de Hooge P. **Diagn Imaging** 1981;50(4):191–6

Isotope–tagged platelets used to locate thrombi [news] Check WA. **JAMA** 1982 Apr 23;247(16):2197, 2201

Radionuclide venography in iliac and inferior vena caval obstruction. Dhekne RD, et al. **Radiology** 1982 Aug; 144(3):597–602

[Intracardiac thrombi. Detection by gamma scintigraphy using 111 indium–labeled platelets (letter)] Bernard P, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1414–5 **(Fre)**

[Pancreas grafts. Nuclear medical perfusion to exclude vascular complications and rejection crises (author's transl)] Hahn D, et al. **MMW** 1981 Aug 21;123(34):1262–4 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

[Study of the radiotherapy for superior vena cava syndrome (author's transl)] Okawa T, et al. **Rinsho Hoshasen** 1981 Apr;26(4):491–5 (Eng. Abstr.) **(Jpn)**

SURGERY

Successful surgical treatment of anuria caused by renal artery occlusion. Flye MW, et al. **Ann Surg** 1982 Mar; 195(3):346–53

Transplant renal artery thrombosis. Revascularization after 51/2 hours of ischemia. Gerard DF, et al. **Arch Surg** 1982 Mar;117(3):361–2

Acute portal vein thrombosis after right hepatic lobectomy: successful treatment by thrombectomy. Jaffe Y, et al. **Br J Surg** 1982 Apr;69(4):211

Neonatal abdominal aortic thrombosis. Bhat R, et al. **Crit Care Med** 1981 Dec;9(12):858–61

Surgical treatment of thrombotic occlusion of pelvic veins. Simma W, et al. **Int Surg** 1979 Nov–Dec;64(6):17–20

Results of iliofemoral venous thrombectomy after acute thrombosis: report on 165 cases. Andriopoulos A, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):123–4

Treatment of ilio–femoral venous occlusion. Matsubara J,

et al. **J Cardiovasc Surg (Torino)** 1982 May-Jun; 23(3):256–60

Thrombectomy and arteriovenous fistula for iliofemoral venous thrombosis in fertile women. Delin A, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):69–73

Primary mesenteric venous thrombosis. Sack J, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):205–8

Ileofemoral thromboendarterectomy through retroperitoneal approach. Sonnenfeld T. **Surgery** 1981 Nov;90(5):868–71

[An unusual case of infection of an arterial reconstruction in the inguinal region in a paraplegic child treated by a bypass through the obturator canal] Spatenka J, et al. **Rozhl Chir** 1982 Jun;61(6):415–21 (Eng. Abstr.) **(Cze)**

[Acute occlusions of arteries in the extremities] Valenta J, et al. **Rozhl Chir** 1981 Sep;60(9):600–7 (Eng. Abstr.) **(Cze)**

[Ulnar artery thrombosis. A field for microsurgical treatment] Reumert T, et al. **Ugeskr Laeger** 1982 Apr 26; 144(17):1215–7 (Eng. Abstr.) **(Dan)**

[Retrospective study of 140 Dacron prosthesis of aortic bifurcation (author's transl)] Rocher A. **Acta Chir Belg** 1982 Jan-Feb;82(1):1–11 (Eng. Abstr.) **(Dut)**

[Iliac vein thrombosis with a 'floating clot' at the 37th week of pregnancy. Caesarean section and the application of a clip on the inferior vena cava. A case history (author's transl)] Steiner E, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):823–9 (Eng. Abstr.) **(Fre)**

[Venous thrombectomy for acute femoro-ilio-caval thrombosis. Usefulness of ilio-cavography with image intensification (author's transl)] Moreau P, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3159–60 (Eng. Abstr.) **(Fre)**

[Acute femoro-ilio-caval thrombosis in gerontology. Venous thrombectomy using a brightness amplifier (letter)] Valici A, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1421 **(Fre)**

[Role of photocoagulation in retinal venous thrombosis] Tardif Y, et al. **Union Med Can** 1981 Jul;110(7):617–20 (Eng. Abstr.) **(Fre)**

[The role of cavotomy in the radical surgery of kidney cancer] Kolle P. **Fortschr Med** 1981 Oct 22;99(40):1626–9 (Eng. Abstr.) **(Ger)**

[Photocoagulation in retinal branch vein occlusion (RBVO) (author's transl)] Peters J, et al. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):257–61 (Eng. Abstr.) **(Ger)**

[The value of intraoperative arteriography in detecting complications of vascular surgery in the femoro-popliteal and crural region (author's transl)] Kretschmer G, et al. **Langenbecks Arch Chir** 1981;354(2):89–100 (Eng. Abstr.) **(Ger)**

[Venous occlusions in the upper extremities (author's transl)] Waibel P. **Praxis** 1981 Dec 1;70(49):2229–31 (Eng. Abstr.) **(Ger)**

[Thrombendarterectomy of the femoro—popliteal region for chronic occlusion (author's transl)] Wagemann W, et al. **Zentralbl Chir** 1981;106(20):1360–8 (Eng. Abstr.) **(Ger)**

[Treatment of aorto-iliac obstructive arteriopathy. Thromboendarterectomy operations] Agrifoglio G, et al. **Minerva Chir** 1980 Dec 15-31;35(23-24):1869–71 **(Ita)**

[Current attitudes on ascending aorta thrombosis] Deriu GP, et al. **Minerva Chir** 1981 Nov 30;36(22):1467–76 (Eng. Abstr.) **(Ita)**

[Embolectomy in acute ischemia of the extremities. Analysis of failures] Giordanengo F, et al. **Minerva Chir** 1981 Oct 31;36(20):1327–32 **(Ita)**

[Our experiences in the surgical treatment of post-phlebitis syndrome of the lower extremities] Marconato R, et al. **Minerva Chir** 1981 Oct 31;36(20):1333–6 (Eng. Abstr.) **(Ita)**

[Reoperation for left pulmonary venous obstruction on the child with severe hemoptysis after Mustard operation for transposition of the great arteries (author's transl)] Matsukawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep;29(9):1516–23 (Eng. Abstr.) **(Jpn)**

[Modern surgical treatment principles in postthrombophlebitis syndrome with iliofemoral localization] Klioner LI, et al. **Klin Khir** 1981 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

[Surgical treatment of acute anorectal thrombosis] Mirzaev KR, et al. **Klin Khir** 1982 Feb;(2):28–30 (Eng. Abstr.) **(Rus)**

[Unilateral resection in the treatment of acute combined hemorrhoidal thrombosis complicated by prolapse of ulcerated rectal mucosa] Balandin KN, et al. **Vestn Khir** 1982 Jan;128(1):84–5 **(Rus)**

[Regional perfusion in patients in the late stages of thrombo-obliterating vascular diseases of the legs] Sidarenko LN, et al. **Vestn Khir** 1982 Mar;128(3):81–5 **(Rus)**

[Use of the deep femoral artery in repeated reconstructive operations] Vakhidov VV, et al. **Vestn Khir** 1982 Mar; 128(3):76–81 (Eng. Abstr.) **(Rus)**

[Renal function recovery after 10 days of anuria caused by arterial thrombosis, using extracorporeal surgery] Valdivia Uria JG, et al. **Actas Urol Esp** 1982 May-Jun;6(3):151–6 (Eng. Abstr.) **(Spa)**

[Thrombosis of a Björk-Shiley prosthesis. Evaluation and treatment of 11 cases] Babin F, et al. **Rev Esp Cardiol** 1981; 34(4):289–92 (Eng. Abstr.) **(Spa)**

THERAPY

Mechanisms of hemostasis and therapy of thrombosis: new concepts based on the metabolism of arachidonic acid by platelets and endothelial cells. Silver MJ. **Adv Pharmacol Chemother** 1981;18:1–47 (144 ref.)

Treatment of congenital antithrombin III deficiency with concentrates. Mannucci PM, et al. **Br J Haematol** 1982 Mar;50(3):531–5

Management of aortic thrombosis [letter] Adelman RD. **J Pediatr** 1981 Nov;99(5):832–3

Specific lysis of an iliofemoral thrombus by administration of extrinsic (tissue-type) plasminogen activator. Weimar W, et al. **Lancet** 1981 Nov 7;2(8254):1018–20

Low-dose intravascular fibrinolytic therapy. Totty WG, et al. **Radiology** 1982 Apr;143(1):59–69

[Percutaneous transluminal angioplasty: a case of the external iliac artery obstruction treated with use of Grüntzig balloon catheter (author's transl)] Sato M, et al. **Rinsho Hoshasen** 1981 Sep;26(9):985–8 (Eng. Abstr.) **(Jpn)**

[Treatment of retinal vein thrombosis (author's transl)] Hermel B, et al. **Klin Oczna** 1981 Jul-Sep;83(7–8):395–6 (Eng. Abstr.) **(Pol)**

[Treatment of acute iliofemoral venous thrombosis in pregnant women] Koniukhov SG, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):45–7 **(Rus)**

[Prospects for using ultrasound in the treatment of acute arterial thrombosis] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):89–93 **(Rus)**

VETERINARY

Angiographic features in a case of extensive arterial thrombosis in a dog. van Bree H, et al. **J Small Anim Pract** 1981 Oct;22(10):641–5

Venographic diagnosis of thrombosis of the deep metatarsal vein. Nicoletti JL, et al. **VM SAC** 1982 Jan;77(1):98–100

THROMBOSIS, CORONARY see **CORONARY DISEASE**

THROMBOSIS, VENOUS see **THROMBOPHLEBITIS**

THROMBOSTHENIN see under **BLOOD PROTEINS**

THROMBOXANE A2 see under **THROMBOXANES**

THROMBOXANE B2 see under **THROMBOXANES**

THROMBOXANE SYNTHETASE see under **OXIDOREDUCTASES**

THROMBOXANES

Prostaglandins and thromboxanes. Caton MP, et al. **Prog Med Chem** 1978;15:357–423 (341 ref.)

ANALYSIS

Amniotic fluid prostacyclin and thromboxane in normal, preeclamptic, and some other complicated pregnancies. Ylikorkala O, et al. **Am J Obstet Gynecol** 1981 Nov 1; 141(5):487–90

Cul-de-sac fluid in women with endometriosis: fluid volume and prostanoid concentration during the proliferative phase of the cycle--days 8 to 12. Rock JA, et al. **Fertil Steril** 1982 Jun;37(6):747–50

Determination of prostaglandins and thromboxane as their pentafluorobenzyl-trimethylsilyl derivatives by electron-capture gas chromatography. Mai J, et al. **J Chromatogr** 1982 Jun 11;230(1):15–28

Measurement of prostaglandins in biological fluids [letter] Norman RJ, et al. **S Afr Med J** 1982 Jan 2;61(1):4

ANTAGONISTS & INHIBITORS

Antagonism of the thromboxane-sensitive contractile systems of the rabbit aorta, dog saphenous vein and guinea-pig trachea. Jones RL, et al. **Br J Pharmacol** 1982 Jul; 76(3):423–38

Relaxation of carbocyclic thromboxane A2-induced contractions of isolated coronary arteries by nifedipine. Towart R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Feb;318(3):249–51

Prevention of cerebral ischemic symptoms in cerebral vasospasm with trapidil, an antagonist and selective synthesis inhibitor of thromboxane A2. Suzuki S, et al. **Neurosurgery** 1981 Dec;9(6):679–85

Stimulation of coronary vascular prostacyclin and inhibition of human platelet thromboxane A2 after low-dose nitroglycerin. Schrör K, et al. **Thromb Res** 1981 Jul 1–15; 23(1-2):59–67

BIOSYNTHESIS

Effect of endotoxin on arachidonic acid release and thromboxane B2 production by human platelets. Stuart MJ. **Am J Hematol** 1981 Sep;11(2):159–64

Anaphylactic release of thromboxane A2, prostaglandin D2, and prostacyclin from human lung parenchyma. Schulman ES, et al. **Am Rev Respir Dis** 1981 Oct;124(4):402–6

Biosynthesis and biological actions of prostaglandins and thromboxanes. Hammarström S. **Arch Biochem Biophys** 1982 Apr 1;214(2):431–45 (46 ref.)

Studies of the influence of nitroglycerin on the synthesis of prostaglandins and thromboxane A2 and on platelet aggregation. Rettkowski W, et al. **Arzneimittelforsch** 1982; 32(3):194–200

Influence of plafibride, an antiplatelet and hypolipemic agent, on prostacyclin and thromboxane synthesis, 3',5'-cyclic AMP phosphodiesterase activity and serum clearance of a lipid emulsion. Vilageliu J, et al. **Arzneimittelforsch** 1981; 31(10a):1805–7

Effect of polyamines on prostaglandin synthesis in various cell-free systems. Igarashi K, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):659–66

Interference of transmethylation inhibitors with thromboxane synthesis in rat platelets. Lecompte T, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):566–73

Peptide-induced prostaglandin biosynthesis in the renal-vein-constricted kidney. Myers Si, et al. **Biochem J** 1981 Aug 15;198(2):357–63

Evidence that prostaglandin endoperoxides can induce platelet aggregation in the absence of thromboxane A2 production. Hornby EJ, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1158–60

Thromboxane B2, 6-keto-prostaglandin F1 alpha, and prostaglandin F2 alpha production by contracting pregnant rate uteri in vitro. Dubin NH, et al. **Biol Reprod** 1982 Mar; 26(2):281–8

Platelet adherence to collagen: role of prostaglandin-thromboxane synthesis. Cowan DH. **Br J Haematol** 1981 Nov;49(3):425–34

Selective inhibition of thromboxane biosynthesis in human blood mononuclear cells and the effects of mitogen-stimulated lymphocyte proliferation. Gordon D, et al. **Br J Pharmacol** 1981 Oct;74(2):469–75

Biosynthesis of prostaglandins and thromboxanes in lung. Bakhle YS. **Bull Eur Physiopathol Respir** 1981; 17(4):491–508 (116 ref.)

Pharmacological control of thromboxane A2 in lung. Berti F, et al. **Bull Eur Physiopathol Respir** 1981;17(4):509–21

Biosynthesis and metabolism of pulmonary prostaglandins, thromboxanes and prostacyclin. Tai HH. **Bull Eur Physiopathol Respir** 1981;17(4):627–46 (108 ref.)

Effects of stimulators and inhibitors on arachidonic acid metabolism in hepatoma. Mahmud I, et al. **Cell Mol Biol** 1981;27(2-3):197–202

Platelet release and thromboxane synthesis in symptomatic coronary artery disease. de Boer AC, et al. **Circulation** 1982 Aug;66(2):327–33

Platelet aggregation and thromboxane A2 production after adrenergic stimulation in young healthy humans. Neri Serheri GG, et al. **Haemostasis** 1982;11(1):40–8

Platelet thromboxane synthesis and release reactions in myeloproliferative disorders. Smith IL, et al. **Haemostasis** 1982;11(2):119–27

Increased platelet prostaglandin and thromboxane synthesis in diabetes mellitus. Halushka PV, et al. **Horm Metab Res [Suppl]** 1981;11:7–11

Lipid metabolism in cultured cells. Activators of endogenous thromboxane A2 synthesis in cultured lung fibroblasts. Feinmark SJ, et al. **J Biol Chem** 1982 Mar 25;257(6):2816–21

Selective cumulative inhibition of platelet thromboxane production by low-dose aspirin in healthy subjects. Patrignani P, et al. **J Clin Invest** 1982 Jun;69(6):1366–72

Thromboxane A2 and prostacyclin production by lipopolysaccharide-stimulated peritoneal macrophages. Cook JA, et al. **J Reticuloendothel Soc** 1981 Nov; 30(5):445–50

Prostaglandin E1 and prostacyclin infusion decrease thromboxane production in endotoxin-induced lung injury. Smith ME, et al. **J Surg Res** 1982 Mar;32(3):283–8

Anisodamine inhibits thromboxane synthesis, granulocyte aggregation, and platelet aggregation. A possible mechanism for its efficacy in bacteremic shock. Xiu RJ, et al. **JAMA** 1982 Mar 12;247(10):1458–60

Prostaglandin and thromboxane synthesis by rat glomerular epithelial cells. Petrulis AS, et al. **Kidney Int** 1981 Oct; 20(4):469–74

Irradiation decreases vascular prostacyclin formation with no concomitant effect on platelet thromboxane production. Allen JB, et al. **Lancet** 1981 Nov 28;2(8257):1193–6

Anti-platelet activity of beta-adrenergic antagonists: inhibition of thromboxane synthesis and platelet aggregation in patients receiving long-term propranolol treatment. Campbell WB, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1382–4

Aspirin inhibition of thromboxane release in thrombosis and renal transplant rejection [letter] Foegh ML, et al. **Lancet** 1982 Jan 2;1(8262):48–9

Impaired platelet thromboxane production in renal failure. Smith MC, et al. **Nephron** 1981;29(3-4):133–7

Effect of vitamin E on prostanoid biosynthesis. **Nutr Rev** 1981 Aug;39(8):317–20 (8 ref.)

Leukotriene-C4 induces generation of PGI2 and TXA2 in guinea-pig in vivo. Omini C, et al. **Pharmacol Res Commun** 1981 Jul;13(7):633–40

Calmodulin stimulates thromboxane synthesis in human platelets: studies with thromboxane synthetase inhibitors. Wong PY, et al. **Prog Lipid Res** 1981;20:447–52

Immunological and non-immunological synthesis and release of prostaglandins and thromboxanes from isolated guinea pig trachea. Burka JF, et al. **Prostaglandins** 1981 Nov; 22(5):683–91

Fish oil feeding lowers thromboxane- and prostacyclin production by rat platelets and aorta and does not result

in the formation of prostaglandin I3. Hornstra G, et al. **Prostaglandins** 1981 May;21(5):727–38

Modulation of Platelet thromboxane A2 and arterial prostacyclin by dietary vitamin E. Karpen CW, et al. **Prostaglandins** 1981 Oct;22(4):651–61

Regulation of prostacyclin and thromboxane production by human umbilical vessels: the effect of estradiol and progesterone in a superfusion model. Mäkilä UM, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):115–24

Prostaglandins in surgery. Minkes MS. **Surg Annu** 1981; 13:239–50 (54 ref.)

Stimulated platelet aggregation, thromboxane B2 formation and platelet sensitivity to prostacyclin – a critical evaluation. Siess W, et al. **Thromb Haemost** 1981 Jun 30; 45(3):204–7

Thromboxane formation by platelets and platelet sensitivity to prostacyclin in patients with acute myocardial infarction [letter] Strano A, et al. **Thromb Haemost** 1981 Dec 23; 46(4):759

Inhibition of platelet thromboxane synthesis by 7-(1-imidazolyl) heptanoic acid: dissociation from inhibition of aggregation. Grimm LJ, et al. **Thromb Res** 1981 Nov 15;24(4):307–17

Lack of thromboxane A2 synthesis in platelet aggregation induced by factor VIII/von Willebrand factor. Kao KJ, et al. **Thromb Res** 1981 Nov 1;24(3):245–51

Sex-related differences in the efficacy of acetylsalicylic acid (ASA) : the absorption of ASA and its effect on collagen-induced thromboxane B2 generation. Kelton JG, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):163–8

BLOOD

Quantitative determination of thromboxane synthesis in blood samples by video-densitometry. Jécsai G, et al. **Acta Biochim Biophys Acad Sci Hung** 1980;15(4):259–61

Significance of platelet function and thromboxane B2 levels across the human myocardial vascular bed. Mehta J, et al. **Acta Med Scand [Suppl]** 1981;651:111–21

Thromboxane, prostacyclin, and hemodynamic events in primate endotoxin shock. Fletcher JR, et al. **Adv Shock Res** 1981;5:143–8

Platelet thromboxane production during endotoxin shock. Prancan A, et al. **Agents Actions** 1981 Dec;11(6–7):648–50

Influence of blood sampling site and technique on thromboxane concentrations in patients with ischemic heart disease. Hirsh PD, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):234–7

The effect of oral contraceptives on antiaggregatory prostacyclin and proaggregatory thromboxane A2 in humans. Ylikorkala O, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):573–6

Thromboxane mediates acute pulmonary hypertension in sheep extracorporeal perfusion. Peterson MB, et al. **Am J Physiol** 1982 Sep;243(3):H471–9

Thromboxane, prostaglandin I2 (epoprostenol), and the hemodynamic changes in equine endotoxin shock. Bottoms GD, et al. **Am J Vet Res** 1982 Jun;43(6):999–1002

Plasma prostanoids in pregnancy-induced hypertension. Koullapis EN, et al. **Br J Obstet Gynaecol** 1982 Aug; 89(8):617–21

Prostaglandin endoperoxides, thromboxane A2 and adenosine diphosphate in collagen-induced aggregation of rabbit platelets. Lewis GP, et al. **Br J Pharmacol** 1982 Apr; 75(4):623–31

Do prostacyclin and thromboxane play a role in endotoxic shock? Webb PJ, et al. **Br J Surg** 1981 Oct;68(10):720–4

Prostacyclin and thromboxane A [letter] **Br Med J [Clin Res]** 1982 Feb 6;284(6313):418–21

Prostacyclin and thromboxane A2 in thrombotic thrombocytopenic purpura. Lee SH, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1351–2

Prostacyclin and thromboxane in diabetes. Ylikorkala O, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1148–50

Prostacyclin and thromboxane A2 formation in response to adrenergic stimulation in humans: a mechanism for local control of vascular response to sympathetic activation? Serneri GG, et al. **Cardiovasc Res** 1981 May;15(5):287–95

Acute pulmonary hypertension and lung thromboxane release after endotoxin infusion in normal and leukopenic sheep. Hüttemeier PC, et al. **Circ Res** 1982 May;50(5):688–94

Plasma catecholamines, platelet aggregation and associated thromboxane formation after physical exercise, smoking or norepinephrine infusion. Siess W, et al. **Circulation** 1982 Jul;66(1):44–8

Elevation of thromboxane B2 levels in patients with classic and variant angina Pectoris. Tada M, et al. **Circulation** 1981 Dec;64(6):1107–15

Radioimmunoassay for plasma thromboxane B2. McCann DS, et al. **Clin Chem** 1981 Aug;27(8):1417–20

Effects of short-term beta blockade on blood pressure, plasma thromboxane B2, and plasma and urinary prostaglandins E2 and F2 alpha in normal subjects. Graham RM, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):324–9

Prostaglandins, thromboxanes, and platelet function. Halushka PV, et al. **Curr Top Hematol** 1979;2:75–143

Anticholinergic agents prevent guinea-pig airway constriction induced by histamine, bradykinin and leukotriene C4: Relationship to circulating TXA2. Folco G, et al. **Eur J Pharmacol** 1982 Feb 26;78(2):159–65

Effect of amnioscopy on concentrations of prostaglandin F2 alpha, prostacyclin and thromboxane in maternal plasma. Ylikorkala O, et al. **Gynecol Obstet Invest** 1982;13(3):150–4

Methodological assessment and applications of a radioimmunoassay for thromboxane (TxB2) to measurement of TxB2 release by platelets. Giannessi D, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):25–33

Thromboxane and prostacyclin changes during cardiopulmonary bypass with and without pulsatile flow. Watkins WD, et al. **J Thorac Cardiovasc Surg** 1982 Aug; 84(2):250–6

Changes of plasma 6-keto-PGF1 alpha and thromboxane B2 levels and platelet aggregation after tourniquet ischemia on the upper limb in normal subjects and patients with ischemic heart disease. Chen LS, et al. **Jpn Circ J** 1982 Jul;46(7):651–6

Changes in the plasma levels of thromboxane B2 and cyclic nucleotides in patients with Takayasu disease. Numano F, et al. **Jpn Circ J** 1982 Jan;46(1):16–20

Acetyl glyceryl ether phosphorylcholine. Intravascular alterations following intravenous infusion into the baboon. McManus LM, et al. **Lab Invest** 1981 Oct;45(4):303–7

Plasma thromboxane concentrations are raised in patients dying with septic shock. Reines HD, et al. **Lancet** 1982 Jul 24;2(8291):174–5

Thromboxanes and ischaemic vascular disease. Hornstra G. **Neth J Med** 1982;25(1):6–14 (114 ref.)

Thromboxane A2 and prostacyclin formation in rats fed cod-liver or sunflower oil. **Nutr Rev** 1982 May;40(5):157–9 (8 ref.)

Effect of cytostatics on prostaglandin F2 alpha prostacyclin, and thromboxane in patients with gynecologic malignancies. Ylikorkala O, et al. **Obstet Gynecol** 1981 Oct; 58(4):483–6

Plasma thromboxane B2 levels and atherosclerotic disorders. Numano F, et al. **Paroi Arterielle** 1981;7(3):99–105

Endotoxin interaction with canine platelets fails to stimulate thromboxane production. Harris RH, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):397–400

Prostaglandins and essential fatty acids in regulation of autoimmunity and development of antibodies to DNA in NZB x NZW F1 mice. Karmali RA, et al. **Prog Lipid Res** 1981;20:655–61

In vitro effects of synthetic antioxidants and vitamin E on arachidonic acid metabolism and thromboxane formation in human platelets and on platelet aggregation. Agradi E, et al. **Prostaglandins** 1981 Aug;22(2):255–66

Aggregation and thromboxane B2 formation in platelets and vascular prostacyclin production from genetically obese rats. Landgraf-Leurs MM, et al. **Prostaglandins** 1981 Oct; 22(4):521–36

OKY-1581: a selective inhibitor of thromboxane synthesis in vivo and in vitro. Smith JB, et al. **Prostaglandins** 1981 Sep;22(3):353–63

Radioimmunoassay measurement of thromboxane B2 in human plasma and urine. Hornych A, et al. **Prostaglandins Leukotrienes Med** 1982 May;8(5):467–80

Alterations of the prostacyclin-thromboxane ratio in streptozotocin induced diabetic rats. Karpen CW, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):93–103

Severe intracoronary thromboxane release preceding acute coronary artery occlusion. Mehta J, et al. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):599–605

Influence of mental stress on plasma level of prostaglandins, thromboxane B2 and on circulating platelet aggregates in man. Mest HJ, et al. **Prostaglandins Leukotrienes Med** 1982 Jun;8(6):553–63

Heparin inhibits the formation of endoperoxide metabolites in rat platelets: aspirin-like activity. Hwang DH, et al. **Prostaglandins Med** 1981 Apr;6(4):341–4

Lithium stimulates thromboxane B2 formation in human platelets. Imandt L, et al. **Prostaglandins Med** 1981 Nov; 7(5):421–9

Platelet aggregation induced by arachidonic acid and thromboxane generation in patients with hypertension or cerebrovascular disease. Matsumoto M, et al. **Prostaglandins Med** 1981 Dec;7(6):553–62

Effect of intravenous infusion of OKY-1581 (sodium-(E)-3-[4-(3-pyridylmethyl)phenyl] -2-methylacrylate) on circulatory thromboxane A2 and prostacyclin levels in anaesthetized baboon. Roy AC, et al. **Prostaglandins Med** 1981 Sep;7(3):253–9

Plasma concentrations of thromboxane B2 in patients with hypertension or cerebrovascular disease. Uyama O, et al. **Prostaglandins Med** 1981 Sep;7(3):199–207

Circulating negative inotropic agent(s) following pulmonary embolism. Utsunomiya T, et al. **Surgery** 1982 Apr; 91(4):402–8

Does arachidonic acid interfere with measurements of thromboxane (TXB2)? Andrassy K, et al. **Thromb Haemost** 1982 Apr 30;47(2):185

Reduced plasma thromboxane elevation during partial cardiopulmonary bypass in thrombocytopenic sheep. Wonders TR, et al. **Trans Am Soc Artif Intern Organs** 1981; 27:276–9

[Effects of glucocorticoids on the gastrointestinal tract of normal rats and rats deficient in endogenous prostaglandins] Fasce L, et al. **Boll Soc Ital Biol Sper** 1981 Jun 30; 57(12):1316–21 (Eng. Abstr.) **(Ita)**

[Effect of hypoxemia and pulmonary thromboembolism on plasma levels of 6-keto PGF 1 alpha, TxB, histamine and serotonin in anesthetized dogs (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Aug; 19(8):542–8 (Eng. Abstr.) **(Jpn)**

[Experimental investigation on the pathogenesis of endotoxin shock--the change of plasma serotonin, histamine, thromboxane B2 and 6-keto PGF1 alpha levels and modulation by indomethacin (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Feb; 20(2):207–13 (Eng. Abstr.) **(Jpn)**

CHEMICAL SYNTHESIS

[Synthetic studies on prostacyclins--thromboxanes and polycyclopentanoides (author's transl)] Shibasaki M. **Yakugaku Zasshi** 1981 Dec;101(12):1073–91 (32 ref.) (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Extraction and purification of prostaglandins and thromboxane from biological samples for gas chromatographic analysis. Goswami S, et al. **Prostaglandins** 1981 Nov;22(5):693–702

METABOLISM

Thromboxane B2 and prostaglandin E2 in the rat kidney with unilateral ureteral obstruction. Whinnery MA, et al. **Am J Physiol** 1982 Mar;242(3):F220–5

SIN-1, the main metabolite of molsidomine, inhibits prostaglandin endoperoxide analogue- and arachidonic acid-induced platelet aggregation as well as platelet thromboxane A2 formation. Block HU, et al. **Arzneimittelforsch** 1982;32(3):189–94

The platelet-perfused in-vitro heart: an alternative model for studying the role of endogenous prostacyclin and thromboxane in control of coronary perfusion. Köhler P, et al. **Basic Res Cardiol** 1981 Sep-Oct;76(5):463–7

Human platelet activation in the absence of aggregation: a calcium-dependent phenomenon independent of thromboxane formation. Levy-Toledano S, et al. **Blood** 1982 May;59(5):1078–85

The synovial prostaglandin system in chronic inflammatory arthritis: differential effects of steroidal and nonsteroidal anti-inflammatory drugs. Bombardieri S, et al. **Br J Pharmacol** 1981 Aug;73(4):893–901

Coronary circulatory failure and thromboxane A2 release during coronary occlusion and reperfusion in anaesthetised dogs. Tanabe M, et al. **Cardiovasc Res** 1982 Feb; 16(2):99–106

Drugs that modulate prostaglandins, prostacyclin, and thromboxane A2. Moncada S, et al. **Drug Ther** 1982;:37–65 (192 ref.)

Prostanoid synthesis by cultured peripheral blood mononuclear cells in inflammatory diseases of the bowel. Rachmilewitz D, et al. **Gastroenterology** 1982 Apr; 82(4):673–9

Thromboxane mediation of cardiopulmonary effects of embolism. Utsonomiya T, et al. **J Clin Invest** 1982 Aug; 70(2):361–8

Radioimmunoassay techniques for the determination of the local release of prostaglandins and thromboxanes. Coker SJ, et al. **J Pharmacol Methods** 1982 May;7(3):207–17

Prostaglandin release and altered microvascular integrity after burn injury. Harms BA, et al. **J Surg Res** 1981 Oct; 31(4):274–80

Prostacyclin, thromboxane and prostaglandin F2 alpha in suction blister flüid of human skin: effect of systemic aspirin and local glucocorticosteroid treatment. Oikarinen A, et al. **Life Sci** 1981 Jul 27;29(4):391–6

Nutritional and pharmacological factors in eicosanoid biology. Willis AL. **Nutr Rev** 1981 Aug;39(8):289–301 (139 ref.)

Dietary linoleic acid, accumulation of arachidonic acid in tissue lipids and production of TXB2 and PGI2 in the cardiovascular system. Agradi E, et al. **Prog Lipid Res** 1981; 20:561–4

Clinical application of PG and TX metabolite quantification. Roberts LJ 2d, et al. **Prog Lipid Res** 1981;20:117–21

Prostacyclin and thromboxane A2 release in isolated rat lungs. Korbut R, et al. **Prostaglandins** 1982 Jan;23(1):67–75

Thromboxane and pulmonary hypertension following E. coli endotoxin infusion in sheep: effect of an imidazole derivative. Watkins WD, et al. **Prostaglandins** 1982 Mar; 23(3):273–85

[Prostacyclin and thromboxane in thrombosing atherosclerotic diseases] Viinikka L. **Duodecim** 1981; 97(13):925–7 **(Fin)**

PHARMACODYNAMICS

Effect of leucotrienes C4, D4, prostacyclin and thromboxane A2 on isolated human cerebral arteries. von Holst H, et al. **Acta Neurochir (Wien)** 1982;62(3–4):177–85

Thromboxanes and prostacyclin: positive and negative modulators of tumor growth. Honn KV, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1122–9

Effect of platelet-generated thromboxane on contractions of the pregnant rat uterus. Dubin NH, et al. **Biol Reprod** 1982 Mar;26(2):289–95

Subnormal platelet response to thromboxane A2 in a patient with chronic myeloid leukaemia. Okuma M, et al. **Br J Haematol** 1982 Jul;51(3):469–77

Effects of prostaglandins and thromboxane analogues on bullock and dog iris sphincter preparations. Dong YJ, et al. **Br J Pharmacol** 1982 May;76(1):149–55

Prostaglandins, thromboxanes and the pregnant rat uterus at term. Phillips CA, et al. **Br J Pharmacol** 1981 May;

73(1):75–80
Platelet-derived growth factor and thromboxane are necessary for liver regeneration. Hiyama Y, et al. **Cell Mol Biol** 1981;27(6):593–9
A role for prostaglandins and thromboxanes in the exposure of platelet fibrinogen receptors. Bennett JS, et al. **J Clin Invest** 1981 Oct;68(4):981–7
Thromboxane A2/prostaglandin H2 directly stimulates platelet shape change independent of secreted ADP. Parise LV, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):276–81
Differential effect of prostaglandins and other products of arachidonic acid metabolism on measles virus replication in Vero cells. Dore-Duffy P. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):73–82
Evidence for a mediator role of thromboxane A2 in the myotropic action of leukotriene B4 (LTB4) on the guinea-pig lung. Sirois P, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):157–70
Thromboxane A2 and the endoperoxides mediate canine platelet activation. Harris RH, et al. **Thromb Res** 1981 Sep 15;23(6):521–32

PHYSIOLOGY

Acetyl glycerylphosphorylcholine inhibition of prostaglandin I2-stimulated adenosine 3',5'-cyclic monophosphate levels in human platelets. Evidence for thromboxane A2 dependence. Miller OV, et al. **Biochim Biophys Acta** 1982 Jun 11;711(3):445–51
Contribution of thromboxane to renal resistance changes in the isolated perfused hydronephrotic rabbit kidney. Kawasaki A, et al. **Circ Res** 1982 Apr;50(4):486–90
Studies on the biological balance between thromboxanes and prostacyclins in relation to the platelet-vessel wall interaction. Jørgensen KA. **Dan Med Bull** 1982 May; 29(4):169–97 (446 ref.)
Thromboxane A2 mediated bronchoconstriction in the anesthetized guinea pig. Greenberg R, et al. **Eur J Pharmacol** 1982 May 7;80(1):19–27
Prostaglandins, thromboxanes, and leukotrienes: formation and biological roles. Samuelsson B. **Harvey Lect** 1979–80; 75:1–40 (78 ref.)
Roles of endogenous prostacyclin and thromboxane A2 in the ischemic canine heart. Sakai K, et al. **J Cardiovasc Pharmacol** 1982;4(1):129–35
Mechanism of arachidonic acid-induced vasoconstriction in the intact rat kidney: possible involvement of thromboxane A2. Sakr HM, et al. **J Pharmacol Exp Ther** 1982 Jun; 221(3):614–22
Thromboxane may be important in the organ damage and hypotension of malaria. Clark IA. **Med Hypotheses** 1981 May;7(5):625–31
Prostacyclin: its biosynthesis, actions and clinical potential. Moncada S, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18;294(1072):305–29 (210 ref.)
Role of prostaglandin I2 and thromboxane A2 in recurring reduction of carotid and cerebral blood flow in dogs. Uchida Y, et al. **Stroke** 1981 Nov-Dec;12(6):786–92
Mediation of cardiac ischemia by thromboxanes released from human platelets. Addonizio VP, et al. **Surgery** 1982 Aug;92(2):292–8
[Recent progress in prostaglandin research. Biochemistry of thromboxanes, prostacyclin, and leukotrienes (author's transl)] Murota S. **Seikagaku** 1982 Jan 25;54(1):1–23 (64 ref.) **(Jpn)**

SECRETION

Aspirin inhibits the early myocardial release of thromboxane B2 and ventricular ectopic activity following acute coronary artery occlusion in dogs. Coker SJ, et al. **Br J Pharmacol** 1981 Apr;72(4):593–5
Isoprenaline inhibits the leukotriene C4-induced release of thromboxane A2 from guinea pig lung parenchyma. Zijlstra FJ, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):297–8
Prostaglandin response to intravenous nitroglycerin. Nugent WC, et al. **J Surg Res** 1982 Sep;33(3):225–32
[Release of prostaglandins, especially prostaglandin F2 alpha and thromboxane A2 in experimental acute respiratory failure (author's transl)] Sakio H, et al. **Masui** 1981 Sep; 30(9):933–9 (Eng. Abstr.) **(Jpn)**

URINE

Urinary excretion of arterial blood prostaglandins and thromboxanes in man. Zipser RD, et al. **Am J Physiol** 1982 Mar;242(3):E171–7
Urinary excretion of prostaglandin E2, prostaglandin F2 alpha, and thromboxane B2 in normotensive and hypertensive subjects on varying sodium intakes. Campbell WB, et al. **Hypertension** 1982 Sep-Oct;4(5):735–41
Urinary thromboxane B2 on allograft rejection [letter] Mahoney DA, et al. **Lancet** 1981 Nov 7;2(8254):1046
[Urinary thromboxane B2 in hypertensive patients] Hornych A, et al. **Arch Mal Coeur** 1982 Jun;75 Spec No:109–13 (Eng. Abstr.) **(Fre)**

THRUSH see **CANDIDIASIS, ORAL**

THULIUM

A short term effect of homogeneous internal irradiation of the mouse lung with 170Tm2O3 particles. Lambert BE, et al. **Radiat Environ Biophs** 1981;20(1):11–20

THUMB

Subungual myxoma. Sanusi ID. **Arch Dermatol** 1982 Aug; 118(8):612–4
Angiosarcoma treated with radiation therapy alone. Graham WJ, et al. **Cancer** 1981 Aug 15;48(4):912–4
Aesthetic and functional thumb reconstruction: great toe to hand transfer. May JW Jr. **Clin Plast Surg** 1981 Apr; 8(2):357–62
The results of excision of the trapezium. Iyer KM. **Hand** 1981 Oct;13(3):246–50
Osteoma cutis—a rare skin tumor in the finger. Karev A, et al. **J Hand Surg** 1981 Nov;6(6):555–6
Dorsal pedicle flap for resurfacing a moderate thumb-index web contracture release. Sandzén SC Jr. **J Hand Surg** 1982 Jan;7(1):21–4
Pipetter's thumb [letter] Minuk GY, et al. **N Engl J Med** 1982 Mar 25;306(12):751
Supernumerary extensor tendon to the thumb: a report on a rare anatomic variation. Chiu DT. **Plast Reconstr Surg** 1981 Dec;68(6):937–9
[Angioma of the sheath of the EDC and EPL tendons of the thumb (clinical and diagnostic considerations on a case)] Prosperi L, et al. **Chir Organi Mov** 1981;66(2):267–9 **(Ita)**

ABNORMALITIES

Hypoplasia of the thumb: reconstructive and stabilizing operations. Godunova GS. **Acta Chir Plast (Prague)** 1982; 24(2):96–106
Congenital hydrocephalus and clasped thumbs: two cases of brothers in a family. Mochizuki Y, et al. **Brain Dev** 1981; 3(4):407–9
Toe transfers for congenital hand defects. Gilbert A. **J Hand Surg** 1982 Mar;7(2):118–24
Congenital anomaly of the thumb--unusual bifurcation of the flexor pollicis longus and its unusual insertion. Miura T. **J Hand Surg** 1981 Nov;6(6):613–5
Constriction ring syndrome—unusual case report. Opgrande JD. **J Hand Surg** 1982 Jan;7(1):11–2
Duplicated thumb. Miura T. **Plast Reconstr Surg** 1982 Mar; 69(3):470–81
[A pedigree of syndactyly and triphalangeal thumb in three consecutive generations (author's transl)] Xiao KZ. **Chung Hua I Hsueh Tsa Chih** 1981 Dec;61(12):758–61 (Eng. Abstr.) **(Chi)**
[Anatomical findings in hands with a triphalangeal thumb] Koebke J. **Handchirurgie** 1980;12(3–4):219–23 (Eng. Abstr.) **(Ger)**
[Congenital bilateral hypoplasia of the thenar muscles (author's transl)] Witt TN, et al. **Nervenarzt** 1981 Aug; 52(8):484–7 **(Ger)**

ANATOMY & HISTOLOGY

A simple method for assessing abduction of the thumb. Srinivasan H. **J Hand Surg** 1981 Nov;6(6):583–4

BLOOD SUPPLY

The vascularity of the flexor pollicis longus tendon. Hergenroeder PT, et al. **Clin Orthop** 1982 Jan-Feb; (162):298–303
[The dorsal arterial system of the thumb] Kulhmann JN, et al. **Bull Assoc Anat (Nancy)** 1981 Mar;65(188):119–24 (Eng. Abstr.) **(Fre)**

INJURIES

Upper extremity injuries in skiing. Carr D, et al. **Am J Sports Med** 1981 Nov-Dec;9(6):378–83
Reconstruction of a transmetacarpal amputation by means of a ray transfer and distraction lengthening. Karev A. **Ann Plast Surg** 1982 May;8(5):423–5
Nail relocation by nail flap in digital injuries. Krishna BV, et al. **Br J Plast Surg** 1982 Jan;35(1):53–7
Complex dorsal dislocation of the thumb metacarpophalangeal joint. Dutton RO, et al. **Clin Orthop** 1982 Apr;(164):160–4
Thumb lengthening of the Gillies' method. Reid DA. **Handchirurgie** 1981;13(1–2):46–51
Neurovascular island flap reconstruction following high pressure injection injuries of the hand. Engel J, et al. **Injury** 1981 Nov;13(3):181–4
Epiphyseal plate injuries in the hand. Samuel AW. **Injury** 1981 May;12(6):503–5
Thumb injuries in downhill skiing. Engkvist O, et al. **Int J Sports Med** 1982 Feb;3(1):50–5
Digital replantation and amputation--comparison of function. Jones JM, et al. **J Hand Surg** 1982 Mar;7(2):183–9
Dislocation of the interphalangeal joint of the thumb. Greenfield GQ Jr. **J Trauma** 1981 Oct;21(10):901–2
The 'mechanical bull' thumb. Ginthner TP, et al. **Skeletal Radiol** 1981;7(2):131–3
[Trauma resulting from tug-of-war] Ferguson A, et al. **Ugeskr Laeger** 1981 Sep 7;143(37):2354 (Eng. Abstr.) **(Dan)**
[Total or partial transfer of the 2d toe in digital reconstruction. Apropos of 32 cases] Foucher G, et al. **Acta Orthop Belg** 1981;47(6):854–66 **(Fre)**
[Reimplantation of the thumb. Technic. Indications. Results. Apropos of 50 cases] Mitz V, et al. **Acta Orthop Belg** 1981; 47(6):806–21 (Eng. Abstr.) **(Fre)**
[Free flap indications in hand surgery (author's transl)] Egloff DV. **Ther Umsch** 1981 Dec;38(12):1184–9 (Eng. Abstr.) **(Fre)**
[Experiences with gentamicin-PMMA mini-chains in hand infections] Asche G. **Handchirurgie** 1980;12(3–4):257–60 (Eng. Abstr.) **(Ger)**
[Thumb replacement by transplantation of the 2d toe] Biemer E. **Handchirurgie** 1981;13(1–2):31–5 (Eng. Abstr.) **(Ger)**
[First aid for the thumb-amputated hand with reference to a primary or secondary pollicization] Brandt KA, et al. **Handchirurgie** 1981;13(1–2):28–30 (Eng. Abstr.) **(Ger)**
[Free contralateral index finger pollicization] Büchler U, et al. **Handchirurgie** 1981;13(1–2):36–45 (Eng. Abstr.) **(Ger)**
[Thumb reconstruction after amputation injuries] Buck-Gramcko D. **Handchirurgie** 1981;13(1–2):14–27 (Eng. Abstr.) **(Ger)**
[Thumb replacement by finger exchange and osteoplastic method with island flap plastic surgery after injuries] Manninger J. **Handchirurgie** 1981;13(1–2):3–9 (Eng. Abstr.) **(Ger)**
[Criteria for the evaluation of results and bone span resorption after thumb reconstruction] Varga A. **Handchirurgie** 1981;13(1–2):10–3 (Eng. Abstr.) **(Ger)**
[Transport of finger parts using an abdominal skin flap for finger and thumb reconstructive plastic surgery] Wintsch K. **Handchirurgie** 1981;13(1–2):56–61 (Eng. Abstr.) **(Ger)**
[The fresh ski-thumb. Etiology, incidence and treatment based on patient care material of a medium hospital in a skiing area] Hollenburger G, et al. **Med Welt** 1982 Jan 15; 33(2):45–7 **(Ger)**
[The juvenile ski thumb] Wilhelm K, et al. **MMW** 1982 Jan 29;124(4):89–90 **(Ger)**
[Thumb replacement with free transplantation of the 2d toe] Simonka JA, et al. **Zentralbl Chir** 1981;106(18):1218–21 **(Ger)**
[Restoration of the thumb by means of free transplantation of a toe] Simonka J, et al. **Orv Hetil** 1981 Jun 21; 122(25):1533–7 **(Hun)**

INNERVATION

Vascular peculiarities of digital nerves in man. Villas C, et al. **Acta Orthop Belg** 1981 May-Jun;47(3):360–6
[The radial nerve and the abductor pollicis brevis muscle (author's transl)] Fahrer M, et al. **Ann Chir** 1981 Nov;35(9 Pt 2):791–2 (Eng. Abstr.) **(Fre)**
[Opponens plastic surgery using the tendon of the m. extensor indicis] Vossmann H, et al. **Handchirurgie** 1981; 13(1–2):52–5 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The kinesiology of the thumb trapeziometacarpal joint. Cooney WP 3d, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1371–81
Reliability and efficacy of the long-latency stretch reflex in the human thumb. Marsden CD, et al. **J Physiol (Lond)** 1981 Jul;316:47–60

PHYSIOPATHOLOGY

Familial trigger thumb in children. van Genechten F. **Hand** 1982 Feb;14(1):56–8
A quantitative evaluation of thumb function after ulnar collateral repair and reconstruction. Osterman AL, et al. **J Trauma** 1981 Oct;21(10):854–61
[Isolated loss of function of the flexor pollicis longus muscles in moderate polyneuropathy] Vossmann H, et al. **Handchirurgie** 1981;13(3–4):207–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Simultaneous dislocation of the interphalangeal and metacarpo-phalangeal joints in a thumb. Cleak DK. **Hand** 1981 Jun;13(2):167–8
Experience with arthrography of the first metacarpophalangeal joint. Stothard J, et al. **Hand** 1981 Oct;13(3):257–66
[Simultaneous functional testing of the metacarpophalangeal joints of the thumb in hyperpronation using a simple device] Heim U. **Handchirurgie** 1981;13(3–4):260–2 (Eng. Abstr.) **(Ger)**

SURGERY

Abductor pollicis longus musculo-tendinous split as a replacement motor for ruptured extensor pollicis longus. Backhouse KM. **Hand** 1981 Oct;13(3):271–5
The thumb web expanding splint: dynamic splintage for traumatic web contracture. Leung PC, et al. **Hand** 1981 Oct;13(3):311–7
Restoration of thumb opposition by displacement of extensor pollicis brevis. Matev IB. **Hand** 1981 Oct;13(3):279–84
Tendon transfer for intrinsic-muscle paralysis of the thumb in Charcot-Marie Tooth neuropathy. Michelinakis E, et al. **Hand** 1981 Oct;13(3):276–8
Chemosurgical excision of subungual squamous cell carcinoma. Tomsick R, et al. **Hand** 1981 Jun;13(2):177–82
Isolated rupture of extensor pollicis longus. Case report. Baroudi IF. **J Fla Med Assoc** 1981 Dec;68(12):986–7
Subungual melanoma--case report and literature review. Aulicino PL, et al. **J Hand Surg** 1982 Mar;7(2):167–9
Total joint replacement at the base of the thumb--preliminary report. Braun RM. **J Hand Surg** 1982 May;7(3):245–51
Microvascular double toe transfer for opposable digits—case report and rationale for treatment. Lichtman DM, et al.

J Hand Surg 1982 May;7(3):279–83

Acute gonococcal flexor tenosynovitis– case report and literature review. Ogiela DM, et al. **J Hand Surg** 1981 Sep; 6(5):470–2

Simplified technique for replantation of the thumb. Shafiroff BB, et al. **J Hand Surg** 1981 Nov;6(6):623–4

Wrist–iliac crest fixation for groin flap–thumb immobilization. Drabyn GA, et al. **Plast Reconstr Surg** 1982 Jul;70(1):98–9

Correction of the paralytic claw–thumb by two–tailed transfer of the superficialis tendon through a window in the flexor retinaculum. Srinivasan H. **Plast Reconstr Surg** 1982 Jan;69(1):90–5

Revision of the first web space: technics and results. Meyer RD, et al. **South Med J** 1981 Oct;74(10):1204–8

[Arthrodeses of the thumb and long finger joints] Martin L. **Handchirurgie** 1981;13(3–4):221–30 (Eng. Abstr.) **(Ger)**

[Paralysis of the inner thumb muscles. Treatment by tendon transfer] Tubiana R, et al. **Handchirurgie** 1980; 12(3–4):143–50 (Eng. Abstr.) **(Ger)**

[Tendolysis] Wilhelm K. **Handchirurgie** 1980;12(3–4):171–4 (Eng. Abstr.) **(Ger)**

[On the treatment of severe adduction contractures of the thumb by free dorsalis pedis flaps (author's transl)] Büchler U, et al. **Ther Umsch** 1981 Dec;38(12):1190–6 (Eng. Abstr.) **(Ger)**

[Thumb resuturing with microsurgical vascular and nerve sutures (author's transl)] Gulyás G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):274–8 (Eng. Abstr.) **(Hun)**

[Surgical treatment of lesions of the ulnar collateral ligament of the metacarpo–phalangeal joint of the thumb] Biancardi G, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):127–30 **(Ita)**

[Unstable thumb in children] Zatoński E. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):133–7 (Eng. Abstr.) **(Pol)**

THUMBSUCKING see **FINGERSUCKING**

THYME

[The elevation of the leucocyte and thrombocyte counts produced by a thyme extract in the peripheral blood as compared to that caused by 2–cyanoethylurea (author's transl)] von Ardenne M, et al. **Pharmazie** 1981 Oct; 36(10):703–5 (Eng. Abstr.) **(Ger)**

THYMECTOMY

Effect of endotoxin shock on catecholamines and corticosterone level in neonatally thymectomized rats. Uzunova A, et al. **Agressologie** 1981;22(4):151–3

Observations of the natural history of myasthenia gravis and the effect of thymectomy. Oosterhuis HJ. **Ann NY Acad Sci** 1981;377:678–90

Thymic abnormalities: antigen or antibody? Response to thymectomy in myasthenia gravis. Penn AS, et al. **Ann NY Acad Sci** 1981;377:786–804

A prospective study of thymectomy and serum acetylcholine receptor antibodies in myasthenia gravis. Olanow CW, et al. **Ann Surg** 1982 Aug;196(2):113–21

Thymectomy in late–onset myasthenia gravis. Olanow CW, et al. **Arch Neurol** 1982 Feb;39(2):82–3

Prediction of the need for postoperative mechanical ventilation in myasthenia gravis: thymectomy compared to other surgical procedures. Grant RP, et al. **Can Anaesth Soc J** 1982 Mar;29(2):112–6

Neonatal myasthenia gravis in the infant of an asymptomatic thymectomized mother. Olanow CW, et al. **Can J Neurol Sci** 1982 May;9(2):85–7

The effect of plasmapheresis on post–thymectomy ocular dysfunction. Olanow CW, et al. **Can J Neurol Sci** 1981 May;8(2):169–72

Serum thymic factor (FTS) restores the ability of adult thymectomized mice to be suppressed by hapten–modified self. Grouix B, et al. **Cell Immunol** 1981 Oct;64(1):144–9

Dissociated effects of thymectomy at weaning on T–cell–mediated responses in vitro: correction by the serum thymic factor, FTS, and its analogs. Kaiserlian D, et al. **Cell Immunol** 1981 Oct;64(1):93–101

In vitro and in vivo immune responses in neonatally thymectomized Holstein–Friesian calves exposed to bovine viral diarrhea virus. Snider TG 3d, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(1):9–19

Effects of early larval thymectomy on mitogen responses in leopard frog (Rana pipiens) tadpoles. Rollins–Smith LA, et al. **Dev Comp Immunol** 1982 Spring;6(2):303–9

Diagnostic yield of single fiber electromyography and other electrophysiological techniques in myasthenia gravis. II. Jitter and motor unit fiber density studies. Clinical remission and thymectomy evaluation. Cruz Martinez A, et al. **Electromyogr Clin Neurophysiol** 1982 Jul–Sep; 22(5):395–417

Pathological changes in inbred strains of mice following early thymectomy and irradiation. Ahmed SA, et al. **Experientia** 1981 Dec 15;37(12):1341–3

Effects of adult thymectomy on the contact sensitivity skin reaction and the unresponsiveness caused by feeding contact sensitizing agents. Perera MA, et al. **Immunology** 1981 Aug;43(4):613–8

Inhibitory effect of transplanted syngeneic thymus fragments, thymus epithelium and thymocytes on the increased contact sensitivity reaction in the adult thymectomized mouse. Olafsson JH, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):93–5

Relationship between T–cell population in neonatally thymectomized Lewis rats and susceptibility to infection with mycobacterium leprae. Fieldsteel AH, et al. **Int J Lepr** 1981 Sep;49(3):317–23

Evolution of the indications and results of treatment of myasthenia by thymectomy. Le Brigand H. **Int Surg** 1982 Jan–Mar;67(1):9–11

Thymectomy in the treatment of myasthenia gravis: results in 320 patients. Paletto AE, et al. **Int Surg** 1982 Jan–Mar; 67(1):13–6

Effects of thymectomy and bursectomy on the systemic lesions of experimental Mycoplasma synoviae infection of the chicken. Kawakubo Y, et al. **J Comp Pathol** 1981 Jan; 91(1):143–51

Thymic inhibition of wound healing: abrogation by adult thymectomy. Barbul A, et al. **J Surg Res** 1982 Apr; 32(4):338–42

Factors affecting response to thymectomy for myasthenia gravis. Rubin JW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):720–8

A study of Giardia infection in irradiated and thymectomized mice. Vasudev V, et al. **J Trop Med Hyg** 1982 Jun; 85(3):119–22

The thymus and myasthenia gravis. Taha AM, et al. **Middle East J Anaesthesiol** 1981 Jun;6(2):99–112

Thymectomy for myasthenia gravis. Tan KS, et al. **Singapore Med J** 1981 Dec;22(6):332–6

The effect of embryonal thymic calf extracts on neonatally thymectomized mice and on mice lethally irradiated with gamma rays. Czaplicki J, et al. **Thymus** 1981 Sep; 3(3):143–51

Effect of thymectomy on the cell–mediated cytotoxicity response to male skin grafts in C3H/HeN female mice. Goldberg EH, et al. **Transplantation** 1982 Feb;33(2):209–10

[Anesthesia for thymectomy in myasthenia gravis] Roelofse JA. **S Afr Med J** 1981 Oct 17;60(16):619–20 (Eng. Abstr.) **(Afr)**

[Evaluation of treatment of myasthenia with thymectomy (author's transl)] Rzepecki W, et al. **Ann Chir** 1981 Oct; 35(8):561–3 (Eng. Abstr.) **(Fre)**

[Evaluation of treatment of myasthenia with thymectomy (author's transl)] Rzepecki W, et al. **Sem Hop Paris** 1982 Apr 22;58(16):985–7 (Eng. Abstr.) **(Fre)**

[Studies on thymectomy for myasthenia gravis (author's transl)] Kawaguchi T, et al. **Kyobu Geka** 1981 Feb; 34(2):124–7 (Eng. Abstr.) **(Jpn)**

[First experience with the surgical treatment of patients with myopathy] Shiianevskiĭ Ala, et al. **Klin Khir** 1981 Dec; (12):6–9 (Eng. Abstr.) **(Rus)**

[Effect of thymectomy on the activity of various enzymes controlling energy metabolism in the rat tissue] Mikhaĭlova IA, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):62–6 (Eng. Abstr.) **(Rus)**

[Thymectomy in disseminated sclerosis] Veĭn AM, et al. **Sov Med** 1981;(12):42–5 (Eng. Abstr.) **(Rus)**

METHODS

Transcervical thymectomy for thymoma in myasthenia gravis. Slater G, et al. **Am J Surg** 1982 Aug;144(2):254–6

Comparison of the results of transsternal simple, transcervical simple, and extended thymectomy. Masaoka A, et al. **Ann NY Acad Sci** 1981;377:755–65

Comparison of the results of the transcervical and transsternal thymectomy in myasthenia gravis. Papatestas AE, et al. **Ann NY Acad Sci** 1981;377:766–78

Thymectomy for myasthenia gravis: a changing perspective. Heiser JC, et al. **Arch Surg** 1982 May;117(5):533–7

Reoperation after transcervical thymectomy for myasthenia gravis. Masaoka A, et al. **Neurology (NY)** 1982 Jan; 32(1):83–5

[Thymectomy for myasthenia: operative methods and results (author's transl)] Gamondes JP, et al. **Chirurgie** 1981; 107(3):215–8 (Eng. Abstr.) **(Fre)**

NURSING

Perioperative care of myasthenic patients. Klein BJ. **AORN J** 1981 Sep;34(3):427–34

VETERINARY

Response to neonatally thymectomized Holstein calves to bacille Calmette Guérin. Snider TG 3d, et al. **Am J Vet Res** 1982 Aug;43(8):1363–6

THYMIC FACTOR, CIRCULATING see under **THYMUS HORMONES**

THYMIC GROUP VIRUSES see **MOUSE LEUKEMIA VIRUSES**

THYMIC HORMONES see **THYMUS HORMONES**

THYMIDINE

The stability of trifluorothymidine: hydrolysis in buffered aqueous solutions. Jones MF. **J Pharm Pharmacol** 1981 May;33(5):274–8

Photoreaction of thymidine with primary amines. Application to specific modification of DNA. Saito I, et al. **Nucleic Acids Symp Ser** 1981;(10):61–4

[Method of pulse labeling, with 3H–thymidine, of chick embryos at a late stage of development] Veroman SA. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):70–1 **(Rus)**

ADMINISTRATION & DOSAGE

Effect of high–dose thymidine infusions in patients with mycosis fungoides. Kufe DW, et al. **Cancer** 1981 Oct 1; 48(7):1513–6

Clinical pharmacological studies of concurrent infusion of 5–fluorouracil and thymidine in treatment of colorectal carcinomas. Au JL, et al. **Cancer Res** 1982 Jul;42(7):2930–7

Modulation of 5–FU action by thymidine in murine and human tumors. Young CW, et al. **Cancer Treat Rep** 1981; 65 Suppl 3:83–7

Large bowel mucosal turnover–a comparison of tritiated thymidine incorporation following systemic and intraperitoneal administration. Hadas N, et al. **Isr J Med Sci** 1982 May;18(5):643–4

Synergistic interaction between 1–beta–D–arabinofuranosylcytosine, thymidine, and hydroxyurea against human B cells and leukemic blasts in vitro. Streifel JA, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5132–6

ANALOGS & DERIVATIVES

Multicenter trial of acyclovir and trifluorothymidine in herpetic keratitis. La Lau C, et al. **Am J Med** 1982 Jul 20;73(1A):305–6

Effectiveness of acycloguanosine and trifluorothymidine as inhibitors of cytomegalovirus infection in vitro. Lang DJ, et al. **Am J Med** 1982 Jul 20;73(1A):49–53

Inhibitory effects of antiherpesviral thymidine analogs against varicella–zoster virus. Machida H, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):358–61

Inhibition of mouse LM cell replication by trifluorothymidine: role of cytosolic deoxythymidine kinase. Wigdahl BL, et al. **Antimicrob Agents Chemother** 1981 May;19(5):881–90

Activity of trifluorothymidine against cytomegalovirus. Wingard JR, et al. **Antimicrob Agents Chemother** 1981 Sep; 20(3):286–90

Ac2IDU, BVDU, and thymine arabinoside therapy in experimental herpes keratitis. Hettinger ME, et al. **Arch Ophthalmol** 1981 Sep;99(9):1618–21

Experimental stroma herpes simplex keratitis. Influence of treatment with topical bromovinyldeoxyuridine and trifluridine. Maudgal PC, et al. **Arch Ophthalmol** 1982 Apr; 100(4):653–6

Effect of 3'–amino–3'–deoxythymidine on L1210 and P388 leukemias in mice. Lin TS, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):125–8

Combination therapy for dendritic keratitis with human leucocyte interferon and trifluorothymidine. de Koning EW, et al. **Br J Ophthalmol** 1982 Aug;66(8):509–12

Acyclovir and trifluorothymidine in herpetic keratitis: a multicentre trial. la Lau C, et al. **Br J Ophthalmol** 1982 Aug;66(8):506–8

The effects of methylated thymidines upon cultures of V79 cells and the mechanism of incorporation of O4–methylthymidine into their DNA. Brennand J, et al. **Carcinogenesis** 1982;3(2):219–22

The incorporation of O4–methylthymidine into V79A cell DNA when present in the cell culture medium. Saffhill R, et al. **Carcinogenesis** 1980 Jun;1(6):487–93

Sensitive radioimmunoassays for O6–n–butyldeoxyguanosine, O2–n–butylthymidine and O4–n–butylthymidine. Saffhill R, et al. **Carcinogenesis** 1982;3(5):547–52

Formation of 6–dimethylcarbamyloxy–dGuo, 6–dimethylamino–dGuo and 4–dimethylamino–dThd following in vitro reaction of dimethylcarbamyl chloride with calf thymus DNA and 6–diethylcarbamyloxy–dGuo following in vitro reaction of diethylcarbamyl chloride with calf thymus DNA. Segal A, et al. **Chem Biol Interact** 1982 Jun;40(2):209–31

Trifluridine: a review of its antiviral activity and therapeutic use in the topical treatment of viral eye infections. Carmine AA, et al. **Drugs** 1982 May;23(5):329–53 (90 ref.)

Species– or isozyme–specific enzyme inhibitors. 5. Differential effects of thymidine substituents on affinity for rat thymidine kinase isozymes. Hampton A, et al. **J Med Chem** 1982 Jun;25(6):644–9

Inhibitory effect of 1–beta–D–arabinofuranosylthymine on synthesis of Epstein–Barr virus. Yonemura K, et al. **Microbiol Immunol** 1981;25(6):557–63

Quantitation of small colony trifluorothymidine–resistant mutants of L5178Y/TK+/– mouse lymphoma cells in RPMI–1640 medium. Moore MM, et al. **Mutat Res** 1982 May–Jun;104(4–5):287–94

The utilization of trifluorothymidine (TFT) to select for thymidine kinase–deficient (TK–/–) mutants from L5178Y/TK+/– mouse lymphoma cells. Moore–Brown MM, et al. **Mutat Res** 1981 Oct;85(5):363–78

Synthesis of 6–substituted thymine nucleosides. von Janta–Lipinski M, et al. **Nucleic Acids Symp Ser** 1981; (9):41–4

5'–amino–5'–deoxythymidine: topical therapeutic efficacy in ocular herpes and systemic teratogenic and toxicity studies. Pavan–Langston D, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):1–7

Enhanced radiation-induced killing of Chinese hamster cells by dideoxythymidine. Ben-Hur E. **Radiat Res** 1981 Oct; 88(1):155-64

Somatic mutation and neoplastic transformation induced by [methyl-3H]thymidine. Lin SL, et al. **Radiat Res** 1982 Apr; 90(1):142-54

ANALYSIS

Localization of SCEs and their possible relationship to dA . dT- or dG . dC-clusters, respectively, in Chinese hamster V79-E chromosomes. Thust R, et al. **Hereditas** 1982; 96(2):295-8

An improved method for combined autoradiography and histochemistry: the simultaneous detection of 6-3H thymidine and acid phosphatase activity in cryostat sections of mouse thymus and duodenum. Lewis GH, et al. **J Microsc** 1982 May;126(Pt 2):183-9

Characterisation of two monoclonal antibodies specific for dimerised and non-dimerised adjacent thymidines in single stranded DNA. Strickland PT, et al. **Photochem Photobiol** 1981 Nov;34(5):595-601

BLOOD

A hormonally controlled serum factor stimulating the thymidine uptake into lectin-activated lymphocytes. Thieriot-Prévost G, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):358-63

Radioimmunoassays of plasma thymidine, uridine, deoxyuridine, and cytidine/deoxycytidine. Dudman NP, et al. **Anal Biochem** 1981 Aug;115(2):428-37

Catabolism of thymidine in human blood platelets: purification and properties of thymidine phosphorylase. Desgranges C, et al. **Biochim Biophys Acta** 1981 Jul 27; 654(2):211-8

Prognostic value of serial measurements of leukocyte thymidine uptake in well-controlled chronic myelocytic leukemia. Gomez GA, et al. **Leuk Res** 1981;5(6):497-503

[Serum-thymidine activity measured by thymidine incorporation upon lectin-activated lymphocytes: variations with the age (author's transl)] Schimpff RM, et al. **C R Seances Acad Sci [III]** 1982 Mar 15;294(11):481-6 (Eng. Abstr.) **(Fre)**

[Tritiated thymidine incorporation into the rat spleen and into lymphocytes of splenic arterial blood, splenic venous blood, and capillary blood following thoracic duct blockade (author's transl)] Cremer H, et al. **Pathol Res Pract** 1981 Dec;173(1-2):88-106 (Eng. Abstr.) **(Ger)**

METABOLISM

Determination of thymidine incorporation activity in the sera from patients with short stature. Nakazawa T, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):352-7

Use of the tritiated thymidine-labelling index of the myeloblast-promyelocyte pool for the identification of the leukemic population in oligoblastic leukemia. Seigneurin D, et al. **Acta Haematol (Basel)** 1981;66(3):181-6

Cytotoxic material released from Staphylococcus epidermidis. I. Effects on [3H]thymidine incorporation of human lymphocytes. Solymossy M, et al. **Acta Microbiol Acad Sci Hung** 1982;29(1):27-32

Obligate thymidine auxotroph of Thiobacillus A2. Malejczyk M, et al. **Acta Microbiol Pol** 1981;30(4):413-7

Quantification of cell death in human fibroblasts by measuring the loss of [14C]thymidine from prelabeled cell monolayers. Eckel RH, et al. **Anal Biochem** 1981 Jun;114(1):118-24

DNA content, mitotic activity, and incorporation of tritiated thymidine in the developing inner ear of the rat. Khan KM, et al. **Anat Rec** 1982 Apr;202(4):501-9

Hypoxanthine and thymidine compete for transport in Chinese hamster fibroblasts. Slaughter RS, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):494-9

The thymidine incorporation inhibiting screening system (TSS) to test carcinogenic substances (a nuclear DNA synthesis suppressive short term test). Amlacher E, et al. **Arch Geschwulstforsch** 1981;51(7):605-10

Epidermal ornithine decarboxylase activity and thymidine incorporation following treatment with ultraviolet A combined with topical 8-methoxy-psoralen or anthracene in the hairless mouse. Gange RW. **Br J Dermatol** 1981 Sep;105(3):247-55

Rapid appearance of labeled degenerating cells in the dorsal root ganglia after exposure of chick embryos to tritiated thymidine. Carr VM, et al. **Brain Res** 1981 Aug; 254(1):157-62

Neocortical histogenesis in normal and reeler mice: a developmental study based upon [3H]thymidine autoradiography. Caviness VS Jr. **Brain Res** 1982 Jul; 256(3):293-302

Patterns of labeling of intraspinal reactive cells in rats injected with [3H]thymidine prior to or following sciatic axotomy. Gilmore SA, et al. **Brain Res** 1981 Aug 10;218(1-2):1-13

Quantitative determination of disseminated tumor cells by [3H]thymidine incorporation in vitro and by agar colony formation. Schirrmacher V, et al. **Cancer Res** 1982 Feb; 42(2):660-6

Effects of 17 beta-estradiol on progesterone receptors and the uptake of thymidine in human breast cancer cell line CAMA-1. Yu WC, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5004-9

[3H]thymidine labels less than half of the DNA-synthesizing cells in the mouse tumour, carcinoma NT. Hamilton E, et al. **Cell Tissue Kinet** 1982 Jul;15(4):405-11

A long-lived thymidine pool in epithelial stem cells. Hume WJ, et al. **Cell Tissue Kinet** 1982 Jan;15(1):49-58

Subclassification of cells in S phase in a partially synchronized cell system. Møller U, et al. **Cell Tissue Kinet** 1982 Mar;15(2):157-68

Density centrifugation of murine fibrosarcoma cells following in situ labelling with tritiated thymidine. Sigdestad CP, et al. **Cell Tissue Kinet** 1981 Nov;14(6):589-600

Relative ability to provide help: an explanation for Con A-induced suppression. Farrant J, et al. **Clin Exp Immunol** 1981 Sep;45(3):504-13

Some observations on nucleolar heterochromatin labeling with H3-thymidine. Pessacq TP. **Cytologia (Tokyo)** 1982 Mar;47(1):21-5

Stimulation of thymidine incorporation in isolated rat intestinal mucosal cells by feeding an ethanol-containing liquid diet. Seitz H, et al. **Digestion** 1982;23(1):65-7

LHRH inhibits [3H]thymidine incorporation by pituitary cells cultured in vitro. Stępień H. **Endocrinology** 1981 Nov; 109(5):1784-6

Uptake of thymidine in lymphoma cells obtained through fine-needle aspiration biopsy. Relation to prognosis in non-Hodgkin's lymphomas. Brandt L, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1229-33

[3H] thymidine incorporation in bovine lymphocytes treated with the tumor promoter, 12-O-tétradecanoyl phorbol-13-acetate. Mastro AM, et al. **Exp Cell Res** 1981 Oct;135(2):267-76

Reduced mitogenic action of insulin evaluated as 3H-thymidine uptake in diabetic cultured fibroblasts. Rotella CM, et al. **Horm Metab Res** 1981 Oct;13(10):565-9

Optimal conditions in [3H]-thymidine uptake studies to prevent radiation damage to cells. A scintimetric and cytofluorographic analysis. Ruiz-Arguelles A, et al. **Immunology** 1981 Dec;44(4):811-5

Differences in cytosol factors in liver and hepatomas revealed by real or apparent effects on the incorporation of [3H] thymidine. Barra R, et al. **Int J Biochem** 1981; 13(12):1233-40

Conditional thymidine auxotrophic mutants of mouse FM3A cells due to thermosensitive thymidylate synthase and their prototrophic revertants. Ayusawa D, et al. **J Biol Chem** 1981 Dec 10;256(23):12005-12

The effect of corticosteroid-binding globulin on the in vitro incorporation of thymidine into human lymphocytes. Rosner W, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):201-3

Effect of amiodarone on L-triiodothyronine stimulation of [3H] thymidine incorporation into GH3 cells. Goldfine ID, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):165-8

Aspects of thymidine metabolism and function in cultured mammalian cells infected with herpes simplex virus type 1. Baybutt HN, et al. **J Gen Virol** 1982 Apr;59(Pt 2):223-34

Using miniature osmotic infusion pumps to maintain tritiated thymidine exposure to cells in culture. Neely JE, et al. **J Histochem Cytochem** 1982 Jun;30(6):536-7

Double labeling autoradiography. Cell kinetic studies with 3H- and 14C-thymidine. Schultze B. **J Histochem Cytochem** 1981 Jan;29(1A Suppl):109-16

Localization and mechanism of thymidine transport in the central nervous system. Spector R, et al. **J Neurochem** 1982 Sep;39(3):837-41

Positron imaging feasibility studies. I: Characteristics of [3H]thymidine uptake in rodent and canine neoplasms: concise communication. Larson SM, et al. **J Nucl Med** 1981 Oct;22(10):869-74

Effects of aminoguanidine sulfate on the incorporation of amino acids and bases into chick embryonic liver and body. Sugiyama T, et al. **J Pharmacobiodyn** 1980 Dec; 3(12):649-58

Acidic glycosaminoglycans inhibit the uptake of tritiated thymidine by rabbit aortic smooth muscle cells in culture. Pietilä K, et al. **Med Biol** 1982 Feb;60(1):34-7

Influence of estradiol on the total uptake and incorporation of thymidine in human breast cancer (MCF-7) in long-term cell culture. Comparison of autoradiographic and biochemical methods. Coosen R, et al. **Mol Cell Biochem** 1982 Feb 19;42(3):155-60

Estrogen receptor heterogeneity and the relationship between estrogen receptor and the tritiated thymidine labeling index in human breast cancer. Straus MJ, et al. **Oncology** 1982; 39(4):197-200

The effect of folate analogues on the thymidine utilization by human and rat marrow cells and the effect on the deoxyuridine suppression test. Deacon R, et al. **Postgrad Med J** 1981 Oct;57(672):611-6

Effect of perfusion of a jejunal blind loop on intestinal thymidine uptake in the rat. Skagen DW. **Scand J Gastroenterol** 1981;16(4):453-7

Selection of mammalian thymidine auxotrophic cell mutants defective in thymidylate synthase by their reduced sensitivity to methotrexate. Ayusawa D, et al. **Somatic Cell Genet** 1981 Sep;7(5):523-34

Application of the BrdU/thymidine method to flow cytogenetics: differential quenching/enhancement of Hoechst 33258 fluorescence of late-replicating chromosomes. Cremer C, et al. **Somatic Cell Genet** 1982 May;8(3):319-27

Uptake of 6-H3 thymidine in the normal and regenerating CNS of Rana esculenta. Minelli G, et al. **Z Mikrosk Anat Forsch** 1982;96(2):201-13

[3H-thymidine-paper disc-counting of in vitro lymphocyte transformation demonstrated on phytomitogen-activated rabbit peripheral blood lymphocytes (author's transl)] Sych FJ. **Allerg Immunol (Leipz)** 1981;27(2):102-23 (Eng. Abstr.) **(Ger)**

[In vitro autoradiography - method for biological characterisation of ovarian carcinomas, with reference to clinical requirements (author's transl)] Behling H, et al. **Zentralbl Gynakol** 1982;104(3):145-55 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of nucleosides on human T and B lymphoblastoid cell lines. Breviario D, et al. **Adv Exp Med Biol** 1982;145:193-9

Inhibitory effects of antiherpesviral thymidine analogs against varicella-zoster virus. Machida H, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):358-61

Correlation of thymidine-enhanced incorporation of ara-C in deoxyribonucleic acid with increased cell kill. Major PP, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2221-4

The effects of pretreatment of synchronized CHO cells with 5-BUdR and TdR on chromosomal damage and cell death. Bhambhani R, et al. **Can J Genet Cytol** 1981;23(3):379-97

Dose- and schedule-dependent activation and drug synergism between thymidine and 5-aza-2'-deoxycytidine in a human promyelocytic leukemia cell line. Grant S, et al. **Cancer Res** 1982 Feb;42(2):519-24

Antitumor activity of the 3'-chloroethylnitrosourea analog of thymidine and the prevention by co-administered thymidine of lethality but not of anticancer activity. Lin TS, et al. **Cancer Res** 1982 May;42(5):1624-9

Rescue of thymidine cytotoxicity in L1210 ascites by elevated endogenous levels of deoxycytidine. Egan EM, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9-10):853-60

Effect of thymidine on the toxicity and antitumor activity of ftorafur. Grossie VB Jr, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11-12):1087-91

Effect of tritiated thymidine on the kinetics and viability of 9L cells in vitro. Wiezsaecker M, et al. **Cell Tissue Kinet** 1981 Sep;14(5):575-80

DNA synthesis in cultures of calf aortic endothelial cells treated with corpus luteum extract: its inhibition by 3H-thymidine. Jakob W, et al. **Exp Pathol** 1981;20(1):41-50

Thymidine: inhibitor of differentiation in the young chick blastoderm in culture. Zagris N, et al. **Experientia** 1981; 37(8):892-4

Comparison of in vitro and in vivo effects of thymidine on L1210 leukemia in mice. Zaharko DS, et al. **JNCI** 1982 May;68(5):875-80

Differential effects of folinic acid and glycine, adenosine, and thymidine as rescue agents in methotrexate-treated human cells in relation to the accumulation of methotrexate polyglutamates. Rosenblatt DS, et al. **Mol Pharmacol** 1982 May;21(3):718-22

Mutagenicity of thymidine in Chinese hamster cells? Fox M. **Mutat Res** 1982 Mar;103(3-6):357-8

Direction of bacteriophage lambda DNA replication in a thymine requiring Escherichia coli K-12 strain. Effect of thymidine concentration. Valenzuela MS, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6975-84

[Action of thymidine on chromosomal radiation damage of mammalian cells] Aptikaeva GF, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):898-900 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Physiological and enzymatic properties of a thymidine-requiring Pediococcus cerevisiae mutant. Ariel M, et al. **J Bacteriol** 1982 May;150(2):616-22

RADIATION EFFECTS

Acute non-stochastic effect of very low dose whole-body exposure, a thymidine equivalent serum factor. Feinendegen LE, et al. **Int J Radiat Biol** 1982 Feb; 41(2):139-50

THERAPEUTIC USE

Partial protection of the gastric toxicity of regional 5-fluorouracil infusion by thymidine and cimetidine. Al-Jurf AS. **J Surg Oncol** 1982 Jul;20(3):179-81

TOXICITY

Differences in temporal aspects of mutagenesis and cytotoxicity in Chinese hamster cells treated with methylating agents and thymidine. Peterson AR, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1643-7

THYMIDINE DIPHOSPHATE SUGARS see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

THYMIDINE KINASE

ANALYSIS

Analysis of the TK enzyme complex induced by HSV types 1 and 2 by means of isoelectric focusing and polyacrylamide gel electrophoresis. Labenz J, et al. **Arch Virol** 1982; 71(3):235-49

Increased cerebellar thymidine kinase and DNA during early postnatal development of diethylstilbestrol-treated rats.

Litteria M. **Exp Neurol** 1982 Feb;75(2):289–98

Rapid typing of herpes simplex virus based on immunological specificity of viral thymidine kinase and typing according to sensitivity to iododeoxyuridine. Gronowitz JS, et al. **J Clin Microbiol** 1982 Mar;15(3):366–71

An efficient washing procedures for thymidine kinase assay. Litteria M, et al. **Neurochem Res** 1981 Aug;6(8):931–4

A radioimmunoassay for herpes simplex virus (HSV) thymidine kinase. McGuirt PV, et al. **Virology** 1982 Jan 30;116(2):489–98

ANTAGONISTS & INHIBITORS

Differential activity of potential antiviral nucleoside analogs on herpes simplex virus-induced and human cellular thymidine kinases. Cheng YC, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):420–3

Role of thymidine kinase in the inhibitory activity of 5-substituted-2'-deoxyuridines on the growth of human and murine tumor cell lines. Balzarini J, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1089–95

Species- or isozyme-specific enzyme inhibitors. 6. Synthesis and evaluation of two-substrate condensation products as inhibitors of hexokinases and thymidine kinases. Hampton A, et al. **J Med Chem** 1982 Jul;25(7):801–5

Use of adenine nucleotide derivatives to assess the potential of exo-active-site-directed reagents as species- or isozyme-specific enzyme inactivators. 5. Interactions of adenosine 5'-triphosphate derivatives with rat pyruvate kinases, Escherichia coli thymidine kinase, and yeast and rat hexokinases. Hampton A, et al. **J Med Chem** 1982 Apr; 25(4):386–92

Species- or isozyme-specific enzyme inhibitors. 5. Differential effects of thymidine substituents on affinity for rat thymidine kinase isozymes. Hampton A, et al. **J Med Chem** 1982 Jun;25(6):644–9

Differential affinities of 5-(2-halogenovinyl)-2'-deoxyuridines for deoxythymidine kinases of various origins. Cheng YC, et al. **Mol Pharmacol** 1981 Jul;20(1):230–3

BIOSYNTHESIS

Synthesis of thymidine kinase (TK) in Epstein-Barr virus-superinfected Raji TK-negative cells. Roubal J, et al. **Intervirology** 1981;15(1):43–8

A biochemical investigation of the adenovirus-induced G1 to S phase progression: thymidine kinase, ornithine decarboxylase, and inhibitors of polyamine biosynthesis. Cheetham BF, et al. **J Cell Physiol** 1982 Feb;110(2):114–22

Biochemical transformation of mouse cells by varicella-zoster virus. Yamanishi K, et al. **J Gen Virol** 1981 Oct;56(Pt 2):421–30

Bovid herpesvirus type-1 (infectious bovine rhinotracheitis virus)-induced thymidine kinase. Weinmaster GA, et al. **Virology** 1982 Apr 15;118(1):191–201

BLOOD

Prognostic relevance of thymidine kinase isozymes in adult non-Hodgkin's lymphoma. Ellims PH, et al. **Blood** 1981 Nov;58(5):926–30

Thymidine kinase isoenzymes in chronic lymphocytic leukaemia. Ellims PH, et al. **Br J Haematol** 1981 Nov; 49(3):479–81

Deoxycytidine and deoxythymidine kinase activities in plasma of mice and patients with neoplastic disease. Kreis W, et al. **Cancer Res** 1982 Jun;42(6):2514–7

Thymidine kinase activity in oral squamous cell carcinoma. Scully C. **J Oral Pathol** 1982 Jun;11(3):210–3

DEFICIENCY

Quantitation of small colony trifluorothymidine-resistant mutants of L5178Y/TK+/- mouse lymphoma cells in RPMI-1640 medium. Moore MM, et al. **Mutat Res** 1982 May-Jun;104(4-5):287–94

GENETICS

Transfer and expression of herpes simplex virus thymidine kinase and human globin genes in mammalian cells studied by spot hybridization assays. Spandidos DA, et al. **Biosci Rep** 1981 Dec;1(12):911–20

Ascorbate is detectably mutagenic in the L5178Y TK+/- cell mutation assay. Amacher DE, et al. **Cancer Lett** 1981 Nov;14(2):151–8

Somatic expression of herpes thymidine kinase in mice following injection of a fusion gene into eggs. Brinster RL, et al. **Cell** 1981 Nov;27(1 Pt 2):223–31

Analysis of transcriptional regulatory signals of the HSV thymidine kinase gene: identification of an upstream control region. McKnight SL, et al. **Cell** 1981 Aug;25(2):385–98

Gene amplification and gene correction in somatic cells. Roberts JM, et al. **Cell** 1982 May;29(1):109–19

Formation of infectious progeny virus after insertion of herpes simplex thymidine kinase gene into DNA of an avian retrovirus. Shimotohno K, et al. **Cell** 1981 Oct;26(1 Pt 1):67–77

Selectable markers for the transfer of genes into mammalian cells. Colbère-Garapin F, et al. **Curr Top Microbiol Immunol** 1982;96:145–57 (75 ref.)

Construction of a dominant selective marker useful for gene transfer studies in animal cells. Colbère-Garapin F, et al. **Dev Biol Stand** 1981;50:323–6

Functional expression of the Herpes simplex virus thymidine kinase gene in Escherichia coli K-12. Kit S, et al. **Gene** 1981 Dec;16(1-3):287–95

Expression of SV40 T antigen polypeptides in cells biochemically transformed by plasmids containing the herpes simplex virus thymidine kinase gene and the genome of an SV40tsA mutant. Kit S, et al. **Int J Cancer** 1981 Oct 15;28(4):485–96

The site of integration of the herpes simplex virus type 1 thymidine kinase gene in human cells transformed by an HSV-1 DNA fragment. Kit S, et al. **Int J Cancer** 1981 Dec;28(6):767–76

The herpes simplex virus thymidine kinase gene is not transcribed in Saccharomyces cerevisiae. Kiss GB, et al. **J Bacteriol** 1982 Feb;149(2):542–7

Transcription and translation of the herpes simplex virus type 1 thymidine kinase gene after microinjection into Xenopus laevis oocytes. Cordingley MG, et al. **J Gen Virol** 1981 Jun;54(Pt 2):409–14

Transfection with the isolated herpes simplex virus thymidine kinase genes. II. Evidence for amplification of viral and adjacent cellular DNA sequences. Reyes GR, et al. **J Gen Virol** 1982 Jun;60(Pt 2):209–24

Encapsidation and expression of the herpes thymidine kinase gene in polyoma virus. Dinces NB, et al. **J Virol** 1982 May; 42(2):691–9

Mapping and identification of the vaccinia virus thymidine kinase gene. Hruby DE, et al. **J Virol** 1982 Aug;43(2):403–9

Control of expression of the vaccinia virus thymidine kinase gene. Hruby DE, et al. **J Virol** 1981 Nov;40(2):456–64

Properties of a novel thymidine kinase induced by an acyclovir-resistant herpes simplex virus type 1 mutant. Larder BA, et al. **J Virol** 1982 May;42(2):649–58

Construction and isolation of a transmissible retrovirus containing the src gene of Harvey murine sarcoma virus and the thymidine kinase gene of herpes simplex virus type 1. Wei CM, et al. **J Virol** 1981 Sep;39(3):935–44

Expression of the Herpes simplex virus thymidine kinase gene in Saccharomyces cerevisiae. McNeil JB, et al. **MGG** 1981; 184(3):386–93

Chicken ovalbumin gene fused to a herpes simplex virus alpha promoter and linked to a thymidine kinase gene is regulated like a viral gene. Post LE, et al. **Mol Cell Biol** 1982 Mar; 2(3):233–40

Adaptation of a retrovirus as a eucaryotic vector transmitting the herpes simplex virus thymidine kinase gene. Tabin CJ, et al. **Mol Cell Biol** 1982 Apr;2(4):426–36

Cytogenetic analysis of the L5178Y/TK+/- leads to TK-/- mouse lymphoma mutagenesis assay system. Hozier J, et al. **Mutat Res** 1981 Nov;84(1):169–81

Mutation assay at the thymidine kinase locus in diploid human lymphoblasts. Liber HL, et al. **Mutat Res** 1982 Jun; 94(2):467–85

The utilization of trifluorothymidine (TFT) to select for thymidine kinase-deficient (TK-/-) mutants from L5178Y/TK+/- mouse lymphoma cells. Moore-Brown MM, et al. **Mutat Res** 1981 Oct;85(5):363–78

Mutation at the TK locus of mouse lymphoma L5178Y cells by 4CMB, 4HMB and BC. Ross CA, et al. **Mutat Res** 1982 Jan-Feb;100(1-4):249–51

Expression of human beta-interferon cDNA under the control of a thymidine kinase promoter from herpes simplex virus. Reyes GR, et al. **Nature** 1982 Jun 17; 297(5867):598–601

Adenovirus late sequences linked to herpes simplex virus thymidine kinase may be introduced into eukaryotic cells and transcribed. Inglis MM, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5569–85

Retrovirus long terminal repeats activate expression of coding sequences for the herpes simplex virus thymidine kinase gene. Joyner A, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1573–7

The human beta-globin gene and a functional viral thymidine kinase gene in developing mice. Wagner EF, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5016–20

Mapping functional domains in the promoter region of the herpes thymidine kinase gene. Zipser D, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6276–80

5-Azacytidine-induced reactivation of a herpes simplex thymidine kinase gene. Clough DW, et al. **Science** 1982 Apr 2;216(4541):70–3

Integration and stable germ line transmission of genes injected into mouse pronuclei. Gordon JW, et al. **Science** 1981 Dec 11;214(4526):1244–6

Liposomes as gene carriers: efficient transformation of mouse L cells by thymidine kinase gene. Schaefer-Ridder M, et al. **Science** 1982 Jan 8;215(4529):166–8

Transfer of genes to Chinese hamster ovary cells by DNA-mediated transformation. Abraham I, et al. **Somatic Cell Genet** 1982 Jan;8(1):23–39

Enhancing the efficiency of DNA-mediated gene transfer in mammalian cells. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep;7(5):603–16

Competence for DNA transfer of ouabain resistance and thymidine kinase: clonal variation in mouse L-cell recipients. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep; 7(5):617–30

Efficient DNA transfection and rapid assay for thymidine kinase activity and viral antigenic determinants. Milman G, et al. **Somatic Cell Genet** 1981 Mar;7(2):161–70

Expression of herpesvirus thymidine kinase gene under control of early promoter of SV40. Pater MM, et al. **Virology** 1982 Mar;117(2):536–40

IMMUNOLOGY

Human serum antibodies to varicella-zoster virus thymidine kinase. Källander CF, et al. **Infect Immun** 1982 Apr; 36(1):30–7

Occurrence of antibodies against herpes simplex virus thymidine kinase in human sera. Gronowitz JS, et al. **J Med Virol** 1981;8(3):177–86

ISOLATION & PURIFICATION

Human thymidine kinase: purification and some properties of the TK1 isoenzyme from placenta. Ellims PH, et al. **Mol Cell Biochem** 1982 Jun 11;45(2):113–6

METABOLISM

Inhibition of mouse LM cell replication by trifluorothymidine: role of cytosolic deoxythymidine kinase. Wigdahl BL, et al. **Antimicrob Agents Chemother** 1981 May;19(5):881–90

Changes in DNA-polymerase and thymidine kinase activity during interferon treatment. Lundblad D, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1569–76

Rapid decrease in thymidine kinase activity of mouse cell temperature-sensitive mutants at a non-permissive temperature. Hyodo M, et al. **Biochem J** 1981 Aug 15; 198(2):347–52

Kinetic mechanism and inhibition of human liver thymidine kinase. Ellims PH, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):238–42

Thymidylate synthetase during synchronous nuclear division cycle and differentiation of Physarum polycephalum. Gröbner P, et al. **Biochim Biophys Acta** 1982 Apr 26; 697(1):83–8

Biochemical characterization of fluoropyrimidine-resistant murine leukemic cell lines. Mulkins MA, et al. **Cancer Res** 1982 Mar;42(3):965–73

DNA polymerase and thymidine kinase activities in MC-29 virus-induced transplantable hepatoma and the effect of cytostatic treatment of these activities. Staub M, et al. **Chem Biol Interact** 1982 Aug;41(2):181–92

Regulation of thymidine kinase synthesis during the cell cycle of Physarum polycephalum: the effects of two microtubule inhibitors. Eon-Gerhardt R, et al. **Cytobios** 1981; 32(125):47–62

DNA polymerase, DNA ligase, and thymidine kinase activity in chicken lens, related to DNA X-ray lesion repair. Counis MF, et al. **Differentiation** 1981;20(3):188–95

Regulation of mitosis onset and thymidine kinase synthesis during the cell cycle of Physarum polycephalum: action of aphidicolin. Eon-Gerhardt R, et al. **Eur J Cell Biol** 1981 Aug;25(1):82–9

Regulation of thymidine kinase enzyme level in serum-stimulated mouse 3T6 fibroblasts. Johnson LF, et al. **Exp Cell Res** 1982 Mar;138(1):79–85

Pentagastrin stimulation of DNA synthesis and thymidine kinase activity in gastric mucosa of rats. Majumdar AP. **Horm Res** 1981;15(1):37–43

Stimulation of thymidine kinase activity by chloramphenicol in Naegleria. Corff S, et al. **J Cell Physiol** 1982 Apr; 111(1):33–41

Comparison of thymidine kinase activities indiced in cells productively infected with herpesvirus saimiri and herpes simplex virus. Honess RW, et al. **J Gen Virol** 1982 Feb; 58(Pt 2):237–49

Thymidine kinase activity is reduced in the developing staggerer cerebellum. Messer A, et al. **J Neurochem** 1981 Dec;37(6):1610–2

Thymidine kinase not required for antiviral activity of acyclovir against mouse cytomegalovirus. Burns WH, et al. **J Virol** 1981 Sep;39(3):889–93

Thymidine kinase activity and thymidine salvage in adult Brugia pahangi and Dirofilaria immitis. Jaffe JJ, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):361–70

Effect of arabinosyl cytosine on the level of DNA polymerase and thymidine kinase activity in PHA-stimulated human tonsillar lymphocytes. Staub M, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):37–44

Differential phosphorylation of (E)-5-(2-bromovinyl)-2'-deoxyuridine monophosphate by thymidylate kinases from herpes simplex viruses types 1 and 2 and varicella zoster virus. Fyfe JA. **Mol Pharmacol** 1982 Mar;21(2):432–7

[The effects of androgen and estrogen on thymidine kinase and tissue plasminogen activator in the prostate of immature rats (author's transl)] Kudo H. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):33–48 (Eng. Abstr.) **(Jpn)**

[Effect of pregnancy and local effect of implantation on thymidine kinase and estrogen receptor in rat uterus (author's transl)] Sakamoto S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20; 57(11):1616–21 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Resistance of peripheral autonomic neurons to in vivo productive infection by herpes simplex virus mutants deficient in thymidine kinase activity. Price RW, et al. **Infect Immun** 1981 Nov;34(2):571–80

THYMIDINE MONOPHOSPHATE see under **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHATES see **THYMINE NUCLEOTIDES**

THYMIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

THYMIDYLATE SYNTHETASE see under **METHYLTRANSFERASES**

THYMINE

A + T-rich linkers define functional domains in eukaryotic DNA. Moreau J, et al. **Nature** 1982 Jan 21;295(5846):260–2

5,6-Saturated thymine lesions in DNA: production by ultraviolet light or hydrogen peroxide. Demple B, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3781–9

ANALOGS & DERIVATIVES

Identification of radiation-induced thymine derivatives in DNA. Teebor GW, et al. **Adv Enzyme Regul** 1982;20:39–54

Identification of the cis-thymine glycol moiety in chemically oxidized and gamma-irradiated deoxyribonucleic acid by high-pressure liquid chromatography analysis. Frenkel K, et al. **Biochemistry** 1981 Dec 22;20(26):7566–71

Selective alkylation of nucleic acids by carcinogens may cause miscoding in DNA. A theoretical study. Klopman G, et al. **Cancer Biochem Biophys** 1982;6(1):31–5

5,6-Saturated thymine lesions in DNA: production by ultraviolet light or hydrogen peroxide. Demple B, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3781–9

Synthesis of 6-substituted thymine nucleosides. von Janta-Lipinski M, et al. **Nucleic Acids Symp Ser** 1981; (9):41–4

Inhibitory effect of some esters of 4-hydroxy-5-nitro-4,5-dihydrothymine on the growth of tumor cells. Comes R, et al. **Pharmazie** 1982 Apr; 37(4):283–5

Radioimmunoassay of a thymine glycol. West GJ, et al. **Radiat Res** 1982 Jun;90(3):595–608

METABOLISM

Photoreaction between 4,7-dimethylallopsoralen and DNA: isolation of a fluorescent cycloadduct between the furocoumarin and thymine. Dall'Acqua F, et al. **Farmaco [Sci]** 1981 Jul;36(7):606–13

PHARMACODYNAMICS

Thymine inhibits suppression by an Escherichia coli nonsense and frameshift suppressor. Cheung PK, et al. **MGG** 1982; 186(2):217–20

PHYSIOLOGY

Recombination-deficient mutations and thymineless death in Escherichia coli K12: reciprocal effects of recBC and recF and indifference of recA mutations. Nakayama H, et al. **Can J Microbiol** 1982 Apr;28(4):425–30

[Thymine and cell mediated immunity (author's transl)] Jin YF. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):126–31 **(Chi)**

RADIATION EFFECTS

gamma-Ray-induced demethylation of thymine-(methyl-14C) in aqueous solution. Merwitz O, et al. **Int J Radiat Biol** 1981 Nov;40(5):557–61

Determination of parameters of excited states of DNA and RNA bases by laser UV photolysis. Nikogosyan DN, et al. **Photochem Photobiol** 1982 May;35(5):627–35

The effects of high-intensity UV-radiation on nucleic acids and their components--I. Thymine. Rubin LB, et al. **Photochem Photobiol** 1981 Sep;34(3):339–44

Radiation-induced thymine base damage in replicating chromatin. Warters RL, et al. **Radiat Res** 1982 Jun; 90(3):564–74

THYMINE DIMERS see **PYRIMIDINE DIMERS**

THYMINE NUCLEOTIDES

Stereochemical course of the hydrolysis of thymidine 5'-(4-nitrophenyl [17O,18O]phosphate) in H216O catalyzed by the phosphodiesterase from snake venom. Mehdi S, et al. **J Biol Chem** 1981 Dec 10;256(23):12164–6

BIOSYNTHESIS

Metabolism of thymine nucleotides synthesized via the 'de novo' mechanism in normal, megaloblastic and methotrexate-treated human cells and in a lymphoblastoid cell line. Taheri MR, et al. **Biochem J** 1981 Apr 15; 196(1):225–35

Thymidylate synthesis in a folate deprived cell line. Marquet J, et al. **Br J Haematol** 1981 Sep;49(1):87–95

Synthesis of deoxythymidylate and the unusual deoxynucleotide in mature DNA of Bacillus subtilis bacteriophage SP10 occurs by postreplicational modification of 5-hydroxymethyldeoxyuridylate. Witmer H. **J Virol** 1981 Aug;39(2):536–47

A new thymidylate biosynthesis in Xanthomonas oryzae infected by phage Xp 12. Kuo TT, et al. **Virology** 1982 Apr 30;118(2):293–300

CHEMICAL SYNTHESIS

Further studies on the substrate specificity of calf spleen phosphodiesterase [EC 3.1.4.18] Zieliński WS, et al. **Nucleic Acids Symp Ser** 1981;(9):235–7

METABOLISM

Alternative metabolic fates of thymine nucleotides in human cells. Taheri MR, et al. **Biochem J** 1981 Feb 15; 194(2):451–61

Thymidine nucleotide synthesis and catabolism by CHO cells and their changes during the cell cycle. Schaer JC, et al. **Biochim Biophys Acta** 1982 May 31;697(2):221–8

The effect of folate analogues and vitamin B12 on provision of thymine nucleotides for DNA synthesis in megaloblastic anemia. Taheri MR, et al. **Blood** 1982 Mar;59(3):634–40

Genetic and biochemical consequences of thymidylate stress. Barclay BJ, et al. **Can J Biochem** 1982 Mar;60(3):172–84

Further evidence for the existence of the p0 site in the active site of ribonuclease. The binding of thymidine 3',5'-diphosphate to ribonuclease. Iwahashi K, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1685–90

PHARMACODYNAMICS

Oligothymidylate analogues having stereoregular, alternating methylphosphonate/phosphodiester backbones as primers for DNA polymerase. Miller PS, et al. **Biochemistry** 1982 May 11;21(10):2507–12

Effects of nucleoside antivirals and their metabolites on the corneal endothelium. O'Brien WJ, et al. **Curr Eye Res** 1981; 1(4):243–8

Direct photoaffinity labeling of an allosteric site on subunit protein M1 of mouse ribonucleotide reductase by dTTP. Eriksson S, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):81–5

RADIATION EFFECTS

Transfer of radiation-induced spins from deoxyribonucleic and thymidylic acids to propyl gallate. Sheng P, et al. **Sci Sin [B]** 1982 May;25(5):473–84

THYMOANALEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOL

ADMINISTRATION & DOSAGE

[Bupranolol in the treatment of primary glaucoma] Oancea I, et al. **Rev Chir [Oftalmol]** 1981 Jul-Sep;25(3):219–22 (Eng. Abstr.) **(Rum)**

ANALOGS & DERIVATIVES

[Thermodynamics of the binding isotherm of bromthymol blue to bovine serum albumin and interfacial action of methoxyflurane (author's transl)] Mashimo T, et al. **Masui** 1981 Dec;30(12):1340–6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Antispasmodic activity of Origanum compactum. Part 2: Antagonistic effect of thymol and carvacrol. Van den Broucke CO, et al. **Planta Med** 1982 Jul;45(3):188–90

THERAPEUTIC USE

Formocresol pulpotomy in primary molars: a long-term radiographic evaluation. Boeve C, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):191–6

[Dextran-40 in nonhemorrhagic cerebrovascular accidents] Borenstein N, et al. **Harefuah** 1981 May 15;100(10):455–6 (Eng. Abstr.) **(Heb)**

[Thymol in the treatment of glaucoma] Truscă E, et al. **Rev Chir [Oftalmol]** 1980 Jul-Sep;24(3):225–8 (Eng. Abstr.) **(Rum)**

THYMOLEPTICS see **ANTIDEPRESSIVE AGENTS**

THYMOLPHTHALEIN see under **PHENOLPHTHALEINS**

THYMOMA

BLOOD

Thymoma with hypersecretion of thymic hormone. Chollet P, et al. **Thymus** 1981 Dec;3(6):321–34

COMPLICATIONS

Pemphigus foliaceus, myasthenia gravis, and thymoma in a patient with serological evidence of SLE. Cooper A, et al. **Aust NZ J Med** 1981 Jun;11(3):277–80

Fatal chronic cutaneous herpes simplex associated with thymoma and hypogammaglobulinaemia. Beck S, et al. **Br J Dermatol** 1981 Oct;105(4):471–4

Pure red cell aplasia with thymoma: a case report and brief review of pathogenesis. Earlywine GR, et al. **J Fla Med Assoc** 1981 Nov;68(11):890–4

Circulating immune complexes in myasthenia gravis: a study in relation to thymectomy, clinical severity and thymus histology. Bartoloni C, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):901–5

Myotonic dystrophy and thymoma [letter] Carlin L, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):852–3

Factors affecting response to thymectomy for myasthenia gravis. Rubin JW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):720–8

Thymoma with red cell aplasia and hemolytic anemia. Tiber C, et al. **South Med J** 1981 Sep;74(9):1164–5

[Myasthenia gravis and thymoma (author's transl)] Xue QM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):26–8 **(Chi)**

[Generalized rubrophycia and thymoma (author's transl)] Otčenášek M, et al. **Cesk Dermatol** 1981 Jun;56(3):141–6 (Eng. Abstr.) **(Cze)**

[Pemphigus and thymoma: review and etiopathogenesis (author's transl)] Souteyrand P, et al. **Ann Dermatol Venereol** 1981;108(5):457–67 (64 ref.) (Eng. Abstr.) **(Fre)**

[Pemphigus erythematosus and malignant thymoma] Wilhelm T, et al. **Hautarzt** 1982 Mar;33(3):156–8 **(Ger)**

[Clinical manifestations, immunological characteristics and therapy of autoimmune hemolytic anemia with antibodies against erythrokaryocyte antigens associated with benign thymoma] Idel'son LI, et al. **Ter Arkh** 1981;53(9):99–102 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Thymoma diagnosed by transthoracic fine needle aspiration. Pak HY, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr; 26(2):210–6

Serological detection of thymoma in myasthenia gravis. Aarli JA, et al. **Eur Neurol** 1981;20(5):380–7

Malignant thymoma in an eight-month-old boy. Deshpande GN, et al. **J Surg Oncol** 1981;18(1):61–6

[Echocardiographic and non-gated computed tomographic findings of intrapericardial tumor and mediastinal tumor adjacent to the heart (author's transl)] Ueda M, et al. **J Cardiogr** 1981 Sep;11(3):979–88 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of thymus tumors] Neimark II. **Vopr Onkol** 1982;28(6):59–62 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of so-called granulomatous thymoma] Simbirtseva LP, et al. **Vopr Onkol** 1982; 28(3):14–8 (Eng. Abstr.) **(Rus)**

[Diagnosis and differential diagnosis of congenital stridor in infants] Cvetković S, et al. **Srp Arh Celok Lek** 1981 Mar; 109(3):409–13 **(Scc)**

DRUG THERAPY

Metastatic thymoma with myasthenia gravis: complete remission with combination chemotherapy. Butler WM, et al. **Cancer** 1982 Aug 1;50(3):419–22

Long-lasting response to cis-platinum in recurrent malignant thymoma: case report. Cocconi G, et al. **Cancer** 1982 May 15;49(10):1985–7

Induction of glucocorticoid-resistant variants in a murine thymoma line by antitumor drugs. Huet-Minkowski M, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4540–6

Characterization of a new type of thymoma variants supersensitive to dexamethasone. Mermod JJ, et al. **J Steroid Biochem** 1981 Dec;15:25–34

[A case of pure red cell aplasia (PRCA) associated with huge thymoma responsive to corticosteroid therapy (author's transl)] Ohta K, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):266–72 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Studies of terminal deoxynucleotidyl transferase in normal and neoplastic human cells. Campagnari F, et al. **Adv Exp Med Biol** 1982;145:305–20

Purification of terminal deoxynucleotidyl transferase of 60,000 dalton from mammalian thymus and thymoma immunoadsorbent column and comparison of peptide structures. Nakamura H, et al. **Adv Exp Med Biol** 1982; 145:19–23

ETIOLOGY

Endogenous MuLV infection does not contribute to onset of radiation- or carcinogen-induced murine thymoma. Mayer A, et al. **Nature** 1982 Jan 21;295(5846):253–5

Xenotropic type C virus expression in murine thymomas induced by radiation or 3-methylcholanthrene. Mayer A, et al. **Virology** 1981 Oct 30;114(2):580–4

FAMILIAL & GENETIC

Clonal nature of spontaneous AKR leukemia: studies utilizing the X-linked enzyme phosphoglycerate kinase. Collins SJ, et al. **Int J Cancer** 1982 Jun 15;29(6):673–6

Programmed and aleatory elements in thymic leukemia. Tempelis LD, et al. **Transplant Proc** 1981 Dec;13(4):1854–7

IMMUNOLOGY

LYT-2 negative and T cell growth factor independent cytotoxic T lymphocyte hybridomas. Kaufmann Y. **Adv Exp Med Biol** 1982;146:435–46

Human thymoma: immunologic characteristics of the lymphocytic component. Lauriola L, et al. **Cancer** 1981 Nov 1;48(9):1992–5

Suppressor mononuclear cells in giant lymph node hyperplasia and thymoma. Shohat B, et al. **Cancer** 1981

Aug 15;48(4):923-6
Pre-B cell suppression by thymoma patient lymphocytes. Hayward AR, et al. **Clin Exp Immunol** 1982 May; 48(2):437-42
Immunoselection in vitro of a non-metastatic variant from a highly metastatic tumor. Frost P, et al. **Int J Cancer** 1981 Mar 15;27(3):381-5
Biologic properties of chromatographically separated murine thymoma-derived Interleukin 2 and colony-stimulating factor. Hilfiker ML, et al. **J Immunol** 1981 Nov; 127(5):1983-7
Thymoma-specific antibodies in sera from patients with myasthenia gravis demonstrated by indirect haemagglutination. Aarli JA, et al. **J Neuroimmunol** 1981 Dec;1(4):421-7
Alloantigenic phenotype of radiation-induced thymomas in the mouse. Hogarth PM, et al. **JNCI** 1982 Sep;69(3):619-26
[Association of thymoma, superficial pemphigus, nephrotic syndrome and lupus biology] Blanchet P, et al. **Ann Dermatol Venereol** 1981;108(5):471-2 **(Fre)**
[Recurrent lung infection and late-onset immunitary deficiency related to a thymoma (author's transl)] Wipf R, et al. **Praxis** 1982 Apr 20;71(16):681-4 (Eng. Abstr.) **(Fre)**

METABOLISM

Lack of effect of the Ca2+ ionophore A23187 on tumour cells. Cittadini A, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):177-82
Identification of phorbol ester receptors in T-cell growth factor-producing and -nonproducing EL4 mouse thymoma cells. Sando JJ, et al. **Cancer Res** 1982 May;42(5):1676-80

MICROBIOLOGY

Genetic alterations of RNA leukemia viruses associated with the development of spontaneous thymic leukemia in AKR/J mice. Thomas CY, et al. **J Virol** 1982 Aug; 43(2):416-26
Rapid thymomas induced by Abelson murine leukemia virus. Cook WD. **Proc Natl Acad Sci USA** 1982 May; 79(9):2917-21

PATHOLOGY

Follow-up study of thymomas with special reference to their clinical stages. Masaoka A, et al. **Cancer** 1981 Dec 1; 48(11):2485-92
The thymus according to Schambacher: medullary ducts and reticular epithelium of thymus and thymomas. Shier KJ. **Cancer** 1981 Sep 1;48(5):1183-99
Two-dimensional echocardiographic findings of cardiovascular involvement by invasive thymoma. Nishimura T, et al. **Chest** 1982 Jun;81(6):752-4
Concurrent thymoma and lymphoma: a report of two cases. Skinnider LF, et al. **Hum Pathol** 1982 Feb;13(2):163-6
T-cell hybrids. II. BH2 line-derivation by fusion between two (BW5147 X EL-4R) thymoma lines. Bubenik J, et al. **Neoplasma** 1982;29(1):3-7
Thymoma mimicking Hodgkin's disease of the thymus. Battaglia S, et al. **Pathol Res Pract** 1981 Jul;172(1-2):205-10
Non-invasive thymoma with widespread blood-borne metastasis. Yoshida A, et al. **Virchows Arch [Pathol Anat]** 1981;390(1):121-6
[Alleged pseudo-hodgkinian perithymic granulomatous tumors (author's transl)] Boumghar M, et al. **Ann Chir** 1982 Feb;36(2):134-6 (Eng. Abstr.) **(Fre)**
[Metastasizing thymoma] Czakó T, et al. **Orv Hetil** 1981 Jul 19;122(29):1789-93 **(Hun)**

PHYSIOPATHOLOGY

[Electromyographic and morphological analysis of the changes in the motor units in myasthenia, combined myasthenia with thymoma and polymyositis and terminal polyneuropathy with myasthenic syndrome] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1624-32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Thymoma detection by mediastinal CT: patient with myasthenia gravis. Moore AV, et al. **AJR** 1982 Feb; 138(2):217-22
Invasive thymomas: diagnosis and evaluation by computed tomography. Zerhouni EA, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):92-100
Computed tomography of the anterior mediastinum in myasthenia gravis. A radiologic-pathologic correlative study. Fon GT, et al. **Radiology** 1982 Jan;142(1):135-41
[Computed tomography of the mediastinum in myasthenia gravis. Normal findings, thymic hyperplasia, thymomas (author's transl)] Gürtler KF, et al. **ROFO** 1982 Jan; 136(1):35-40 (Eng. Abstr.) **(Ger)**
[Clinical roentgenoogic diagnosis of thymoma with myasthenic syndrome] Vasil'ev VN, et al. **Grudn Khir** 1982; 1:76-81 **(Rus)**

RADIONUCLIDE IMAGING

Tc-99m pertechnetate uptake in a thymoma: case report. Wilson RL, et al. **Clin Nucl Med** 1982 Apr;7(4):149-50
Selenomethionine uptake in the thorax. Bose A, et al. **Semin Nucl Med** 1982 Apr;12(2):220-1

SECONDARY

A complete response in metastatic malignant thymoma to cis-platinum, doxorubicin and cyclophosphamide: a case report. Campbell MG, et al. **Cancer** 1981 Sep 15; 48(6):1315-7
[Malignant thymoma with brain metastasis--case report (author's transl)] Suzuki N, et al. **Neurol Med Chir (Tokyo)** 1981 Aug;21(8):891-5 (Eng. Abstr.) **(Jpn)**

SURGERY

Transcervical thymectomy for thymoma in myasthenia gravis. Slater G, et al. **Am J Surg** 1982 Aug;144(2):254-6
Evolution of the indications and results of treatment of myasthenia by thymectomy. Le Brigand H. **Int Surg** 1982 Jan-Mar;67(1):9-11
Treatment and prognosis of thymoma: a review of 25 cases. Appelqvist P, et al. **J Surg Oncol** 1982 Aug;20(4):265-8
Clinical disorders and prognosis in operated thymoma. Fujimura S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1981 Dec;28(1-4):15-22
[Thymoma-clinical disorders and results of surgical treatment (author's transl)] Fijimura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1707-14 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Rapid isolation and lipid characterization of plasma membranes from normal and malignant lymphoid cells of mouse. Koizumi K, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):393-403

VETERINARY

Thymoma in 11 cats. Carpenter JL, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):248-51
Malignant thymoma with metastases in a dog. Al-Zubaidy AJ. **Vet Rec** 1981 Nov 28;109(22):490-2

THYMOPOIETINS see under **THYMUS HORMONES**

THYMOSIN see under **THYMUS HORMONES**

THYMOXAMINE

PHARMACODYNAMICS

Augmentation of flap survival by thymoxamine. Patel C, et al. **Br J Plast Surg** 1982 Jan;35(1):88-91
Effect of thymoxamine on aqueous humor formation in the normal human eye as measured by fluorophotometry. Lee DA, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):805-11

THERAPEUTIC USE

Adrenergic influences on spasticity. Studies on the influences of alpha- and beta-adrenergic blockade on proprioceptive reflexparameters in spastic patients. Mai J. **Acta Neurol Scand [Suppl]** 1981;85:1-143
Depression of essential tremor by alpha-adrenergic blockade [letter] Mai J, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1171
Effect of inhaled alpha-blocker on airflow obstruction in asthma. Britton J, et al. **J R Soc Med** 1981 Sep;74(9):646-8
Reduction of systemic vascular resistance by competitive alpha adrenergic blockage with thymoxamine after cardiopulmonary bypass for cardiac operations. Cottrell AJ, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):632-7

TOXICITY

Alpha blockade in pulmonary hypertension [letter] Cottrell AJ, et al. **Pediatr Cardiol** 1982;2(1):89-90

THYMOXYALCYLAMINE see **THYMOXAMINE**

THYMUS-DEPENDENT LYMPHOCYTES see **T-LYMPHOCYTES**

THYMUS EXTRACTS

DIAGNOSTIC USE

The in vivo effect of a thymic factor (thymostimulin) on immunologic parameters of patients with untreated Hodgkin's disease. Martelli MF, et al. **Cancer** 1982 Aug 1;50(3):490-7

IMMUNOLOGY

Immunological and immunohistochemical properties of an anti-thymostimulin (TP.1) serum. Aita M, et al. **Cell Mol Biol** 1981;27(4):369-75
[Effect of adoptive immunotherapy with autologous bone marrow graft and thymostimulin on the immunity system of malignant neoplasm patients] Grinevich IuA, et al. **Klin Khir** 1982 May;(5):33-6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Immunomodulators--thymus factor X (TFX) and levamisole in immune reactions and inflammatory processes. Gieldanowski J. **Arch Immunol Ther Exp (Warsz)** 1981; 29(2):121-32
Immunological activity of fractions of thymus factor X (TFX). Gieldanowski J, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(2):115-9
The in vitro effect of a calf thymus extract (thymostimulin) on the immunologic parameters of patients with untreated Hodgkin's disease. Martelli MF, et al. **Cancer** 1982 Jan 15; 49(2):245-50
Pharmacologic studies in vitro on thymostimulin: effects in immunologically depressed elderly subjects. Casale G, et al. **Farmaco [Prat]** 1982 May;37(5):147-51
Feedback inhibition of thymic secretory activity in mice treated by the thymic extract TP-1 (thymostimulin). Shoham J, et al. **Immunology** 1982 Jan;45(1):31-8
Impaired T-cell functions in aged guinea-pigs restored by thymostimulin (TS). Falchetti R, et al. **Int J Immunopharmacol** 1982;4(3):181-6
T-dependent immunity in aged humans. I. Evaluation of T-cell subpopulations before and after short term administration of a thymic extract. Quinti I, et al. **J Gerontol** 1981 Nov;36(6):674-9
Restoration of T cell depression and suppression of blood pressure in spontaneously hypertensive rats (SHR) by thymus grafts or thymus extracts. Ba D, et al. **J Immunol** 1982 Mar;128(3):1211-6
Low molecular weight inhibitors of lymphocyte transformation. Patt LM, et al. **Pharmacology** 1981; 23(3):117-27
Effect of methylandrostenediol and a lymphostimulatory thymic factor of the reactivity of adrenal cortex of x-irradiated A2g mice. Abraham AD, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):178-86
Enhancement by TP-1, a thymic extract, of pokeweed mitogen-induced differentiation of B cells from normal subjects but not of those from patients with systemic lupus erythematosus. Fiorilli M, et al. **Thymus** 1982 Jan;4(1):1-7
[Kurloff's thymic inclusion : action on rat gonads in culture] De Graeve P, et al. **Bull Assoc Anat (Nancy)** 1981 Dec; 65(191):383-92 (Eng. Abstr.) **(Fre)**
[Changes induced by calf thymus extract on cell-mediated immunity, evaluated by intradermal tests, in the elderly] Di Feliciantonio R, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2486-92 (Eng. Abstr.) **(Ita)**
[Effects of 2 thymus extracts on blood levels of cholesterol and glucose in the rat] Mondola P, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2431-7 (Eng. Abstr.) **(Ita)**
[The T-lymphocytes in allergic asthmatic children: influence in-vitro of thymostimulin of E rosette forming activity] Armenio L, et al. **Pediatria (Napoli)** 1981 Sep 30; 89(3):297-303 **(Ita)**

THERAPEUTIC USE

Action of a bovine thymic extract (TP-1) on MHV3 experimental hepatitis in the mouse. Preliminary results. Manganaro M, et al. **Arzneimittelforsch** 1981;31(8):1263-5
Treatment of cell-mediated immunodeficiency with calf thymic hormone (T.P.I.). Davies EG, et al. **Pediatr Res** 1982 Jul;16(7):573-8
Clinical impressions on the treatment of multiple sclerosis with thymus factor. Cendrowski W. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):199-203
[Preliminary results on the effects of pretreatment with thymic extract on experimental endotoxin hepatitis in the mouse] Corridori S, et al. **Boll Ist Sieroter Milan** 1981; 60(1):61-8 (Eng. Abstr.) **(Ita)**
[Effect of thymalin in young children with acute pneumonia] Kuznik VI, et al. **Pediatriia** 1982 Apr;(4):22-5 **(Rus)**
[Effect of levamisole, splenin and thymosterin A on the immunocompetent cells of tuberculosis patients] Kogosova LS, et al. **Probl Tuberk** 1982 May;(5):60-4 **(Rus)**
[Use of the thymus preparation thymalin in suppurative-inflammatory processes with an allergic anamnesis] Shimchenko PIa, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):35-6 (Eng. Abstr.) **(Rus)**
[Efficacy of thymalin in the treatment of patients with traumatic osteomyelitis of the lower jaw] Kozlov VA, et al. **Vestn Khir** 1981 Dec;127(12):3-6 (Eng. Abstr.) **(Rus)**
[Combined treatment of suppurative inflammatory diseases of the maxillofacial area using thymalin] Shimchenko PIa, et al. **Vestn Khir** 1981 Oct;127(10):94-7 **(Rus)**
[Clinical use of thymalin in the prophylaxis and treatment of infectious-inflammatory diseases of the maxillofacial region] Solov'ev MM, et al. **Vestn Khir** 1981 Dec; 127(12):6-11 (Eng. Abstr.) **(Rus)**
[Use of a dialysable nonpolypeptide thymus factor for treating neurodermatitis] Glukhen'kii BT, et al. **Vrach Delo** 1981 Sep;(9):110-3 **(Rus)**

THYMUS GLAND

see related
BURSA OF FABRICIUS

Thymic cyst extending into the pericardium: a case report and review of thymic cysts. McCafferty MH, et al. **Ann Thorac Surg** 1982 May;33(5):503-6
Cervical thymic cyst. Al-Shihabi BM, et al. **J Laryngol Otol** 1982 Feb;96(2):181-9
Virus cloned from the Rauscher virus complex induces erythroblastosis and thymic lymphoma. Vogt M. **Virology** 1982 Apr 15;118(1):225-8
[Regulation of the functional activity of the stem cell

precursors of granulo- and monopoiesis by polypeptide factors of the thymus and bone marrow] Filev LV, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):94–5 (Eng. Abstr.) **(Rus)**

[Experimental and clinical study of a new immunoregulator preparation thymalin] Khavinson VKh, et al. **Voen Med Zh** 1982 May;(5):37–9 **(Rus)**

[Cervicomediastinal thymic cyst] Castro Sánchez M, et al. **An Esp Pediatr** 1981 Sep;15(3):301–2 **(Spa)**

ABNORMALITIES

Studies on the thymus-dependent immunity in the rat mutant 'nude'. Svendsen UG, et al. **Acta Pathol Microbiol Scand [C]** 1981 Aug;89(4):293–5

Characterization of the (rnunz) nude rat. Morphological characteristics of the lymphoid system. Douglas-Jones A, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):277–86

Characterization of the nude rat (rnunz). Functional characteristics. Marshall E, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):287–96

Thymic hypoplasia, auto-immune haemolytic anaemia and juvenile pemphigoid in an infant. Bloomfield S, et al. **Br J Dermatol** 1982 Mar;106(3):353–5

Demonstration of a cellular defect in the thymus of hereditary muscular dystrophic chickens. Kline K, et al. **Thymus** 1982 Jan;4(1):9–18

[Model of thymus gland dysfunction] Guseinov ShG. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):80–3 (Eng. Abstr.) **(Rus)**

[Steidele complex (author's transl)] Vilas González J, et al. **An Esp Pediatr** 1982 Feb;16(2):153–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Histamine-content of Gomori-positive cells in the rat thymus. Csaba G, et al. **Acta Morphol Acad Sci Hung** 1981; 29(1):45–50

Isolation of peptides from calf thymus. Hannappel E, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):266–71

Secondary and tertiary structural differences between histone H1 molecules from calf thymus and sea-urchin (Sphaerechinus granularis) sperm. Giancotti V, et al. **Biochem J** 1981 Sep 1;197(3):655–60

Comparative study on ganglioside compositions of various rabbit tissues. Tissue-specificity in ganglioside molecular species of rabbit thymus. Iwamori M, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):214–20

Ganglioside composition of rabbit thymus. Iwamori M, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):205–13

Organization of highly purified calf thymus DNA. I. Cleavage into subunits and release of phosphopeptides. Welsh RS, et al. **Biochim Biophys Acta** 1981 Oct 27; 655(3):291–306

Non-histone nuclear proteins in active and involuted rat thymuses. Bojanovic JJ, et al. **Biochimie** 1981 Oct; 63(10):791–4

UV differential study of the histones H2A-H2B-H3-H4 octamer. Michalski-Scrive C, et al. **Biochimie** 1982 May; 64(5):347–55

Amino acid sequence homologies between the high-mobility-group proteins, HMG-T from trout testis and HMG-1 and -2 from calf thymus: is the poly-aspartic-glutamic acid polypeptide within the main chain? Watson DC, et al. **Biosci Rep** 1981 Feb;1(2):167–75

Microfluorometric investigations of chromatin structure. III. Estimation of histones and DNA in thymocyte and hepatocyte nuclei. Effects of extraction at pH 3.0. Cowden RR, et al. **Histochemistry** 1982;74(4):469–80

Four fluorochromes for the demonstration and microfluorometric estimation of RNA. Curtis SK, et al. **Histochemistry** 1981;72(1):39–48

Relationship between the purity and molecular weight of calf thymus DNA. Welsh RS, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):969–81

Comparison of chromosomal protein patterns of thymus and liver in cattle, sheep, goats and pigs. Bosshard NU, et al. **J Anim Sci** 1982 Feb;54(2):248–57

The interaction of H1 histone with nucleosome core. Ishimi Y, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1881–8

Chemical composition of nucleosomes among domains of calf thymus chromatin differing in micrococcal nuclease accessibility and solubility properties. Davie JR, et al. **J Biol Chem** 1981 Dec 10;256(23):12574–80

Glutaredoxin from calf thymus. Purification to homogeneity. Luthman M, et al. **J Biol Chem** 1982 Jun 25;257(12):6686–90

Immunohistologic localization of 'facteur thymique serique' (FTS) in human thymic epithelium. Jambon B, et al. **J Immunol** 1981 Nov;127(5):2055–9

Distribution of 5-methylcytosine in the DNA of somatic and germline cells from bovine tissues. Sturm KS, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4537–46

Biological specificity of low molecular weight inhibitors of lymphocyte transformation. Patt LM, et al. **Pharmacology** 1982 Feb;24(2):74–81

Fractionation of calf thymus DNA by DEAE cellulose column chromatography. Wu AF, et al. **Prep Biochem** 1982;12(1):1–10

Thymosins beta 8 and beta 9: two new peptides isolated from calf thymus homologous to thymosin beta 4. Hannappel E, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1708–11

Androgen binding cytosol receptors in the rat thymus: physicochemical properties, specificity and localisation. McCruden AB, et al. **Thymus** 1981 Aug;3(2):105–17

Chemical and biological properties of a thymocyte specific growth factor from calf thymus. Söder O, et al. **Thymus** 1981 Nov;3(4–5):289–305

Lymphocyte chalone from calf thymus: problems of large scale extraction and assay. Maschler R, et al. **Z Naturforsch [C]** 1981 Jul–Aug;36(7–8):568–71

[Chemistry of natural products. 87. 5-alpha-androstane and 3,15,17-trihydroxy-5-androstene from the rat thymus] Reisch J, et al. **Arch Pharm (Weinheim)** 1982 Feb; 315(2):181–3 **(Ger)**

[Steroids of human thymi (author's transl)] Reisch J, et al. **Z Naturforsch [C]** 1981 Nov–Dec;36(11–12):1086–7 (Eng. Abstr.) **(Ger)**

[Conformational peculiarity of H1 histones of calf thymus and sea urchin sperm] Ramm EI, et al. **Biofizika** 1982 Jan–Feb;27(1):154–6 (Eng. Abstr.) **(Rus)**

[Neutral glycolipids of the calf thymus and normal and leukemic bovine lymphocytes] Diatlovitskaia EV, et al. **Biokhimiia** 1981 Nov;46(11):2004–10 (Eng. Abstr.) **(Rus)**

[Isolation of polypeptides from the bone marrow, lymphocytes and thymus, regulating intercellular cooperation in the immune system] Morozov VG, et al. **Dokl Akad Nauk SSSR** 1981;261(1):235–9 **(Rus)**

[B-form structure exemplified by thymus DNA. Refinement according to x-ray diffraction and energy criteria] Tumanian VG, et al. **Dokl Akad Nauk SSSR** 1981; 261(6):1462–6 **(Rus)**

[Fatty-acid composition of lipids and physicochemical characteristics of membrane fractions and the membrane of endoplasmic reticulum of thymus and Pliss' lymphosarcoma] Sherban SD, et al. **Ukr Biokhim Zh** 1982 May–Jun;54(3):298–306 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Weight and lymphocyte content of the female rat's thymus following first mating. Shaya EI, et al. **Am J Reprod Immunol** 1981;1(3):150–3

The elastic system in the thymus of the opossum Didelphis marsupialis aurita. Savino W. **Anat Anz** 1982;151(1):70–3

The thymus according to Schambacher: medullary ducts and reticular epithelium of thymus and thymomas. Shier KJ. **Cancer** 1981 Sep 1;48(5):1183–99

Microanatomy of the thymus: its relationship to T cell differentiation. Rouse RV, et al. **Ciba Found Symp** 1980 Nov;(84):161–77

Involution patterns of the human thymus. I Size of the cortical area as a function of age. Tosi P, et al. **Clin Exp Immunol** 1982 Feb;47(2):497–504

Age related changes in morphology of the thymus of the fish, Oryzias latipes. Ghoneum MM, et al. **Exp Gerontol** 1982;17(1):33–40

[Morphometric study of the thymus of the urodelan amphibian Pleurodeles waltlii Michah; Histological study and cell counting (author's transl)] Moustafa YA, et al. **Arch Anat Microsc Morphol Exp** 1982;71(1):1–13 (Eng. Abstr.) **(Fre)**

[The thymothoracic index and its usefulness in the diagnosis of newborn infants with respiratory distress syndrome] Vargas Origel A, et al. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):49–54 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

Vascular architecture of thymus and lymph nodes, blood vessels, transmural passage of lymphocytes, and cell-interactions. Irino S, et al. **Scan Electron Microsc** 1981; (Pt 3):89–98

[Collector system of the thymus] Beletskaia LV, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):371–3 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Elements of structure and ultrastructure of the blood-thymus barrier in ACTH involuted thymus. Ranga V, et al. **Acta Anat (Basel)** 1982;111(3):177–89

Murine thymocyte subpopulations: two and three parameter analysis with various markers. Scollay R. **Adv Exp Med Biol** 1982;145:157–9

Separation of right-side-out-oriented subfractions from purified thymocyte plasma membranes by affinity chromatography on concanavalin A-sepharose. Resch K, et al. **Anal Biochem** 1981 Nov 1;117(2):282–92

Thymic morphology during in vitro culture. Eerola E, et al. **Anat Rec** 1981 Aug;200(4):481–9

Thymic myogenesis, T-lymphocytes and the pathogenesis of myasthenia gravis. Wekerle H, et al. **Ann NY Acad Sci** 1981;377:455–76

Demonstration of B lymphocytes in rat thymic lymph follicles. Matsuno K, et al. **Arch Histol Jpn** 1981 Sep; 44(4):369–72

OKT 6-positive cells: their demonstration in human thymus, and the effect of fixation on the immunoperoxidase reaction. McMillan EM, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):9–12

Identification of subsets of proliferating low Thy 1 cells in thymus cortex and medulla. Goldschneider I, et al. **Cell Immunol** 1982 May 1;69(1):59–69

Alteration of allospecific t-cell receptors after differentiation from prethymic precursor cells in semiallogeneic environments. Gorczynski RM, et al. **Cell Immunol** 1981 Aug;62(2):350–66

Anomalous occurrence of immunoreactive calcitonin cells in the thymus of the rat. McMillan PJ, et al. **Cell Tissue Res** 1982;222(3):629–34

The human thymic environment. Janossy G, et al. **Ciba Found Symp** 1980 Nov;(84):193–214 (36 ref.)

The thymus gland in the loricariidean catfish Harttia sp. Savino W, et al. **Dev Comp Immunol** 1982 Spring; 6(2):375–80

Lympho-stromal interactions in the thymus: medullary thymocytes react with I-A determinants on autochthonous thymic stimulator cells. Born W, et al. **Eur J Immunol** 1982 Jan;12(1):51–9

Nonspecific esterase activity in monkey thymus lymphocytes; study of distribution in lymphocyte subpopulation. Kato S, et al. **Experientia** 1981;37(9):1026–7

Immunological properties of thymus cell subpopulations: rat thymic dendritic cells are potent accessory cells and stimulators in a mixed leukocyte culture. Wong TW, et al. **Immunobiology** 1982 Feb;160(5):413–23

Age-dependent separation of class-specific suppressor cells in thymus of SJL/J mice. Clark DA, et al. **Immunol Lett** 1981 Oct;3(4):189–94

Asymmetric division of immature lymphoid cells of the embryonic mouse thymus. Sugimoto M, et al. **Immunol Lett** 1981 Aug;3(3):115–20

Subcapsular thymic lymphoblasts expose receptors for soy bean lectin. Raedler A, et al. **Immunology** 1982 Jun; 46(2):321–8

Subpopulations of human T lymphocytes occupy different microenvironments. Janossy G, et al. **Int J Immunopharmacol** 1981;3(3):209–25

Evaluation of the morphological and functional characteristics of murine thymic non-lymphoid cells grown in vitro. Harper CM Jr, et al. **J Anat** 1981 Jun;132(Pt 4):607–25

Thymus cell migration: cells migrating from thymus to peripheral lymphoid organs have a 'mature' phenotype. Scollay R. **J Immunol** 1982 Apr;128(4):1566–70

Fluorescence analysis and anatomic distribution of mouse T lymphocyte subsets defined by monoclonal antibodies to the antigens Thy-1, Lyt-1, Lyt-2, and T-200. van Ewijk W, et al. **J Immunol** 1981 Dec;127(6):2594–604

Thymic epithelium is programmed to induce preleukemic changes in retrovirus expression and thymocyte differentiation in leukemia susceptible mice: studies on bone marrow and thymic chimeras. Zielinski CC, et al. **J Immunol** 1982 Aug;129(2):882–9

An improved method for combined autoradiography and histochemistry: the simultaneous detection of 6-3H thymidine and acid phosphatase activity in cryostat sections of mouse thymus and duodenum. Lewis GH, et al. **J Microsc** 1982 May;126(Pt 2):183–9

Formation of symbiotic complex by microenvironment-dependent mouse leukemias and thymic epithelial reticular cells. Nishi Y, et al. **JNCI** 1982 Sep; 69(3):627–37

Thymus in mice bearing the Steel mutation. Morphologic studies on fetal, neonatal, organ-cultured, and grafted fetal thymus. Asamoto H, et al. **Lab Invest** 1981 Nov; 45(5):418–26

Electrophoretic mobility profiles of mouse leukemias: I. Electrophoresis of normal mouse thymus and lymph node cell populations. Bubenik J, et al. **Neoplasma** 1981; 28(5):517–25

Human post-thymic precursor cells in health and disease. III. Role of the autologous rosette-forming T cells in the generation of spontaneous killer cells in the autologous mixed lymphocyte reaction. Palacios R, et al. **Scand J Immunol** 1981;13(5):499–502

Non-histone chromatin proteins in human thymocytes and T lymphocytes from blood. Facchini A, et al. **Thymus** 1981 Nov;3(4–5):223–9

A thymic epithelial cell line, IT-45R1, induces the differentiation of prethymic progenitor cells into postthymic cells through direct contact. Itoh T, et al. **Thymus** 1982 Feb;4(2):69–75

Selective localization of cortical thymocytes to cardiac allografts in enhanced rats. Baldwin WM 3d, et al. **Transplantation** 1982 Feb;33(2):200–2

Correlation between enhanced E-rosette formation and spontaneous incorporation of thymidine by bovine thymus lymphocytes. Higgins DA, et al. **Vet Immunol Immunopathol** 1981 Jun;2(3):265–71

The thymus as haematopoietic tissue of non-lymphoid cells. Bourgeois N, et al. **Virchows Arch [Pathol Anat]** 1981; 391(1):81–9

[Behaviour of thymus mast cells in the rat under various experimental conditions] Barbini A, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):645–50 (Eng. Abstr.) **(Ita)**

[lymphoid organ pulsation] Suslov AP, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):85–7 (Eng. Abstr.) **(Rus)**

[Effect of transformed steroid compounds on mRNA synthesis and glucocorticoid-receptor interaction in thymocytes of adrenalectomized rats] Golikov PP, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):89–93 (Eng. Abstr.) **(Rus)**

[Effect of steroid hormones on DNA matrix activity and glucocorticoid-receptor interaction] Golikov PP, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):52–6 (Eng.

Abstr.) (Rus)
[Separation of rat thymocytes by fractions in the ficoll density gradient] Reshchikov AM, et al. **Tsitologiia** 1982 Apr; 24(4):456–61 (Rus)
[Ultraviolet fluorescence of rat thymocyte subpopulations isolated in a ficoll–verografin density gradient] Sungurrov Alu, et al. **Tsitologiia** 1982 Apr;24(4):484–7 (Rus)

DRUG EFFECTS

The ANAE reaction pattern of reticular stromal cells of lymphatic organs from normal and hydrocortisone–treated mice. Witkowski J, et al. **Acta Histochem (Jena)** 1981;69(2):161–70
Effect of cyclophosphamide on the rat thymus. Loc NK, et al. **Acta Morphol Acad Sci Hung** 1981;29(4):319–33
Cyclosporin A: effects on the mouse thymus. Ryffel B, et al. **Agents Actions** 1981 Jul;11(4):373–9
Studies on the in vitro culture of murine fetal thymus: effect of factors promoting epithelial growth. Garland JM, et al. **Am J Reprod Immunol** 1981;1(3):129–39
Effects of cholera toxin on lymphoid system. I. Reduction of thymus cells after cholera toxin injection. Tsuru S, et al. **J Clin Lab Immunol** 1981 Sep;6(2):181–3
Cellular changes in the Bursa of Fabricius and thymus of cyclophosphamide–treated pigeons. Coignoul F, et al. **J Comp Pathol** 1980 Jul;90(3):395–400
Modulation of glucocorticoid hormone receptor levels in chicken lymphoid tissue following treatment with androgens in vivo. Coulson PB, et al. **J Steroid Biochem** 1982 Jul;17(1):1–9
Steroid modulation of in vitro prostaglandin secretion by human thymic epithelium. Homo F, et al. **J Steroid Biochem** 1981 Dec;15:349–54
Effect of 25–hydroxycholesterol and dexamethasone on sterol synthesis in isolated mouse thymocytes. Picard F, et al. **J Steroid Biochem** 1981 Dec;15:461–6
Inhibition of thymocyte RNA synthesis by natural adrenal steroids and their 1,4–diene analogs. Structure–activity correlations using 13C–n.m.r. spectroscopy. Roldán A, et al. **J Steroid Biochem** 1981 Dec;15:467–72
Arginine stimulates thymic immune function and ameliorates the obesity and the hyperglycemia of genetically obese mice. Barbul A, et al. **JPEN** 1981 Nov–Dec;5(6):492–5
Modulation of terminal deoxynucleotidyl transferase activity by thymosin. Hu SK, et al. **Mol Cell Biochem** 1981 Dec 4;41:49–58
Effect of corticosteroids on the thymus in myasthenia gravis. Craven C, et al. **Muscle Nerve** 1981 Sep–Oct;4(5):425–8
Prostaglandin secretion by human thymic epithelium: in vitro effects of steroids. Homo F, et al. **Prostaglandins** 1981 Sep; 22(3):377–85
Effects of 7,12–dimethylbenz (A) anthracene on thymus cortex in the rat. A morphological and histometrical analysis. Tosi P, et al. **Virchows Arch [Cell Pathol]** 1982; 39(2):125–36
[Effect of neonatal estrogen–treatment on the thymus of mice (author's transl)] Harada S. **Kaibogaku Zasshi** 1981 Oct; 56(5):415–27 (Eng. Abstr.) (Jpn)
[Study of the saponin of Panax ginseng C.A. Meyer. I. Inhibitory effect on adrenal atrophy, thymus atrophy and the decrease of serum K+ concentration induced by cortisone acetate in unilateral adrenalectomized rats (author's transl)] Tanizawa H, et al. **Yakugaku Zasshi** 1981 Feb;101(2):169–73 (Eng. Abstr.) (Jpn)
[Changes in the function of the hypothalamo–hypophyseo–adrenal system and the thymus as affected by corticotropin in guinea pigs] Guselnov ShG, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):51–5 (Eng. Abstr.) (Rus)

EMBRYOLOGY

Changes in the surface morphologies of the cells in the bursa cloacalis (bursa of Fabricius) and thymus during ontogeny of the chick embryo. Schoenwolf GC, et al. **Anat Rec** 1981 Oct;201(2):303–16
Development of amphibian thymus. II. Sequential occurence of two epithelial cell types in the urodele Pleurodeles waltlii. Henry M, et al. **Dev Comp Immunol** 1981 Summer; 5(3):449–60
Asymmetric division of lymphoid cells of the thymus of embryonic guinea–pigs. A cell kinetic study. Sugimoto M, et al. **Immunology** 1981 Aug;43(4):707–15
Development of cytolytic T lymphocyte precursors in organ–cultured mouse embryonic thymus rudiments. Ceredig R, et al. **J Exp Med** 1982 Feb 1;155(2):617–22
Symptomatic cervical thymic cyst in a neonate. Rosevear WH, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):738–41
Thymic cyst of the neck. Baroudi IF, et al. **Plast Reconstr Surg** 1982 Aug;70(2):230–2
Some cases of animal longevity following treatment with early fetal thymic extracts. Czaplicki J, et al. **Thymus** 1981 Sep;3(3):185–6
The effect of embryonal thymic calf extracts on neonatally thymectomized mice and on mice lethally irradiated with gamma rays. Czaplicki J, et al. **Thymus** 1981 Sep; 3(3):143–51
Kinetic studies of the murine foetal thymus using vincristine sulphate. Riches AC, et al. **Virchows Arch [Cell Pathol]** 1981;37(3):297–307
[The early development of rabbits thymus (author's transl)] Fischer I. **Z Mikrosk Anat Forsch** 1981;95(4):647–66 (Eng. Abstr.) (Ger)
[Antenatal and early postnatal development of the organs of immunogenesis] Dolgova MA, et al. **Arkh Anat Gistol Embriol** 1982 Feb;82(2):73–83 (Eng. Abstr.) (Rus)
[Status of the rat thymus after antenatal antigenic stimulation] Voloshin NA, et al. **Arkh Anat Gistol Embriol** 1982 May; 82(5):83–9 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Development of antibodies and immunological methods for terminal transferase assay. Bollum FJ. **Adv Exp Med Biol** 1982;145:101–8
Studies of terminal deoxynucleotidyl transferase in normal and neoplastic human cells. Campagnari F, et al. **Adv Exp Med Biol** 1982;145:305–20
Structure of calf thymus terminal deoxynucleotidyl transferase. Chang LM, et al. **Adv Exp Med Biol** 1982; 145:25–35
Terminal transferase positive cells in the human bone marrow and thymus. Janossy G, et al. **Adv Exp Med Biol** 1982; 145:161–76
Purification of terminal deoxynucleotidyl transferase from pig thymus: identification of 42,000 and 57, 000 dalton species. Kaneda T, et al. **Adv Exp Med Biol** 1982;145:13–8
Purification of terminal deoxynucleotidyl transferase of 60,000 dalton from mammalian thymus and thymoma immunoadsorbent column and comparison of peptide structures. Nakamura H, et al. **Adv Exp Med Biol** 1982; 145:19–23
Purification and properties of chick terminal deoxynucleotidyl transferase (TdT). Pénit C, et al. **Adv Exp Med Biol** 1982;145:61–73
Hybrids between myeloma cells and thymocytes – and attempt to approach the biological function of terminal transferase. Transy C, et al. **Adv Exp Med Biol** 1982; 145:207–19
Stimulating factor for calf thymus DNA polymerase beta. Koiwai O, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):990–6
Purification of the two complementary subunits of ribonucleotide reductase from calf thymus. Mattaliano RJ, et al. **Biochem Biophys Res Commun** 1981 Sep 30; 102(2):667–74
Purification of a 9S DNA polymerase alpha species from calf thymus. Grosse F, et al. **Biochemistry** 1981 Sep 15; 20(19):5470–5
Purification and properties of poly(ADP–ribose) polymerase from lamb thymus. Petzold SJ, et al. **Biochemistry** 1981 Dec 8;20(25):7075–81
Formation of a single phosphodiester bond by RNA polymerase B from calf thymus is not inhibited by alpha–amanitin. Vaisius AC, et al. **Biochemistry** 1982 Jun 22;21(13):3097–101
Pyrophosphate analogues as inhibitors of DNA polymerases of cytomegalovirus, herpes simplex virus and cellular origin. Eriksson B, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):115–23
The site of histone H2b phosphorylated by a cyclic nucleotide independent histone kinase. Romhányi T, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):57–62
Glycolipid sialyltransferases in normal and neoplastic murine thymocytes. Saat YA, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):213–20
Further characterization of a poly(rA) . oligo(dT)–dependent activity of multiple DNA polymerase alpha from calf thymus. Yoshida S, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):194–200
A comparison of purified poly(ADP–ribose) polymerases from Ehrlich ascites tumor cells, pig thymus, and HeLa S3 cells. Holtlund J, et al. **Eur J Biochem** 1981 Sep; 119(1):23–9
Immunological relatedness of subunits of RNA polymerase II from insects and mammals. Krämer A, et al. **Eur J Biochem** 1981 Jul;117(3):449–55
Characterization of the active site of ribonucleotide reductase of Escherichia coli, bacteriophage T4 and mammalian cells by inhibition studies with hydroxyurea analogues. Larsen IK, et al. **Eur J Biochem** 1982 Jun 15;125(1):75–81
Substrate specificity studies on a calf thymus nuclear phosphoprotein kinase. Sculley TB, et al. **Eur J Biochem** 1982 Jun;124(3):449–55
Phosphorylation and activation of poly (A)–endoribonuclease from calf thymus gland. Tsiapalis CM, et al. **FEBS Lett** 1982 Apr 19;140(2):213–8
Ultracytochemical localization of adenylate cyclase activity in rat thymocytes. Buchwalow IB, et al. **Histochemistry** 1981;72(4):625–34
Localization of terminal deoxynucleotidyl transferase (TdT) in rat thymus using immunoperoxidase methods. Kawakami K, et al. **Histochemistry** 1981 Dec;73(3):377–83
Nuclear sap protein kinases from calf thymus. Substrate inhibition with histones. Reddy AV, et al. **Int J Biochem** 1982;14(6):477–82
Purification of terminal deoxynucleotidyl transferase from pig thymus: identification of 42,000 and 57,000 dalton species. Kaneda T, et al. **J Biochem (Tokyo)** 1981 Nov; 90(5):1421–7
The subunit structure of calf thymus ribonuclease H i as revealed by immunological analysis. Büsen W. **J Biol Chem** 1982 Jun 25;257(12):7106–8
Proteolytic degradation of calf thymus terminal deoxynucleotidyl transferase. Chang LM, et al. **J Biol Chem** 1982 May 25;257(10):5700–6
Monoclonal antibody specific for calf thymus RNA polymerases IIO and IIA. Christmann JL, et al. **J Biol Chem** 1981 Nov 25;256(22):11798–803
Calf thymus RNA polymerases I and II do not contain subunits structurally related to casein kinases I and II. Dahmus ME. **J Biol Chem** 1981 Nov 10;256(21):11239–43
Poly(ADP–ribosylation) in vitro. Reaction parameters and enzyme mechanism. Ferro AM, et al. **J Biol Chem** 1982 Jul 10;257(13):7808–13
Purification and properties of a mammalian tRNA pseudouridine synthase. Green CJ, et al. **J Biol Chem** 1982 Mar 25;257(6):3045–52
Studies of in vitro transcription by calf thymus RNA polymerase II using a novel duplex DNA template. Kadesch TR, et al. **J Biol Chem** 1982 May 10; 257(9):5286–95
10 S DNA polymerase alpha of calf thymus shows a microheterogeneity in its large polypeptide component. Masaki S, et al. **J Biol Chem** 1982 Jun 25;257(12):7172–7
Role of actin and tubulin in the regulation of poly(A) polymerase–endoribonuclease IV complex from calf thymus. Schröder HC, et al. **J Biol Chem** 1982 Mar 10; 257(5):2305–9
Properties of purified uracil–DNA glycosylase from calf thymus. An in vitro study using synthetic DNA–like substrates. Talpaert–Borlé M, et al. **J Biol Chem** 1982 Feb 10;257(3):1208–14
Eukaryotic DNA ligase. Purification and properties of the enzyme from bovine thymus, and immunochemical studies of the enzyme from animal tissues. Teraoka H, et al. **J Biol Chem** 1982 May 10;257(9):4758–63
Cell–free translation of the messenger RNA for calf terminal deoxynucleotidyltransferase. Wolf SC, et al. **J Biol Chem** 1982 Apr 25;257(8):4013–5
Effect of protein deficiency on the lysosomal enzyme activities of the spleen and thymus of weanling rats. Muñoz E, et al. **J Nutr** 1981 Dec;111(12):2133–41
Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from Trypanosoma brucei brucei, mouse thymus and murine leukemia virus. Marcus SL, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):231–43
Interaction of zinc ions with DNA–dependent RNA polymerases A, B and C isolated from calf thymus. Brudzynska K, et al. **Mol Biol Rep** 1982 Mar 31;8(2):77–83
Structural homology among calf thymus alpha–polymerase polypeptides. Albert W, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):935–46
Recognition sites of eukaryotic DNA topoisomerase I: DNA nucleotide sequencing analysis of topo I cleavage sites on SV40 DNA. Edwards KA, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2565–76
Structural and functional properties of calf thymus DNA polymerase delta. Lee MY, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:83–96
Terminal deoxynucleotidyl transferase activity in the regenerating thymus of x–irradiated mice. Daculsi R, et al. **Thymus** 1982 Jan;4(1):45–55
Alpha–naphthyl acetate esterase activity in mouse thymus and other lymphoid organs. Manconi PE, et al. **Thymus** 1982 May;4(3):135–46
[Multiple forms of adenosine deaminase in the thymus of the bovine fetus and calf] Rotondaro L. **Boll Soc Ital Biol Sper** 1981 Dec 15;57(23):2355–60 (Eng. Abstr.) (Ita)
[Effect of cycloheximide on the alkaline and acid DNAse activity in rat cells] Ivannik BP, et al. **Biokhimiia** 1982 May; 47(5):746–51 (Eng. Abstr.) (Rus)
[Changes in the activity of oxidative enzymes in thymus cells of CBA mice during carcinogenesis induced by simian adenovirus SA7(C8)] Ageenko AI, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):80–2 (Eng. Abstr.) (Rus)

GROWTH & DEVELOPMENT

Hassall's corpuscle: a regressive formation. D'Anna F, et al. **Basic Appl Histochem** 1981;25(3):169–81
[Age and features of lymphoid cells after antigenic stimulation] Aznaurian AV, et al. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):92–8 (Eng. Abstr.) (Rus)
[Criteria of the body and thymus gland mass in young children during the adaptation period] Krasnoperova KE. **Pediatriia** 1982 Feb;(2):26–8 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Thymic hormones and the immune system. Wara DW. **Adv Pediatr** 1981;28:229–70 (127 ref.)
Role of the thymus in murine lupus and cellular transfer of the disease. Theofilopoulos AN. **Arthritis Rheum** 1982 Jul; 25(7):726–33
Role of thymus–dependent immune system in HVT protection against Marek's disease. Gupta SK, et al. **Avian Dis** 1982 Jan–Mar;26(1):7–13
Definition of the antigenic polypeptides in the Sm and RNP ribonucleoprotein complexes. White PJ, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):365–71
Antithymic antibodies in schizophrenic sera. Watanabe M, et al. **Biol Psychiatry** 1982 Jun;17(6):699–710

Thymic origin of the prolactin-dependent Nb2 lymphoma cell line. Fleming WH, et al. **Cancer Res** 1982 Aug; 42(8):3138–41

Effects of undernutrition of host cell and organ function. Good RA, et al. **Cancer Res** 1982;42(2 Suppl):737s–746s

Thymic medullary lymphocytes. I. Lymphokines produced by thymic medullary lymphocytes as a second signal for intrathymic stem cell homing. Papiernik M, et al. **Cell Immunol** 1982 Jan 15;66(2):233–9

Expression and function of major histocompatibiliby complex antigens in the developing thymus: studies on normal and nude mice. Jenkinson EJ. **Ciba Found Symp** 1980 Nov; (84):178–92 (23 ref.)

Receptors for IgA on human thymus cells in myasthenia gravis. Moraru I, et al. **Clin Exp Immunol** 1982 Apr; 48(1):129–36

Carbohydrate complexity of the mouse thymocyte Thy-1 glycoprotein as demonstrated by lectin affinity and isoelectric focusing. Carlsson S, et al. **Eur J Biochem** 1982 Mar;123(1):1–7

Mouse monoclonal antibodies against rat major histocompatibility antigens. Two Ia antigens and expression of Ia and class I antigens in rat thymus. Fukumoto T, et al. **Eur J Immunol** 1982 Mar;12(3):237–43

Patterns of isotype expression by B cell clones responding to thymus-dependent and thymus-independent antigens in vitro. Hurwitz JL, et al. **Eur J Immunol** 1982 Apr; 12(4):342–8

Ontogenetic analysis of immune amplification by thymus-derived cells in chickens. Setc F. **Exp Hematol** 1981 Sep;9(8):856–64

Common antigenicity between a human thymic epithelial cell product and a thymus-dependent serum factor. Potworowski EF, et al. **Experientia** 1982 Jul 15; 38(7):859–60

Antigen restricted hybridization between antigen primed macrophage and thymic RNA. Nakamura K, et al. **Immunol Commun** 1981;10(4–5):367–82

Development and loss of virus-specific thymic competence in bone marrow radiation chimeras and normal mice. Doherty PC, et al. **Immunol Rev** 1981;58:37–72 (89 ref.)

Postnatal development of T cells. III. Thymus independency of T-cell-dependent antigen response in the neonatal spleen. Papiernik M, et al. **Immunology** 1982 May; 46(1):209–14

The human thymus microenvironment: in vivo identification of thymic nurse cells and other antigenically-distinct subpopulations of epithelial cells. Ritter MA, et al. **Immunology** 1981 Nov;44(3):439–46

Effects of steroids on the secretion of immunoregulatory factors by thymic epithelial cell cultures. Stimson WH, et al. **Immunology** 1981 Oct;44(2):401–7

Serum antibody responses to Pneumocystis carinii among different strains of normal and athymic mice. Walzer PD, et al. **Infect Immun** 1982 Feb;35(2):620–6

Role of the thymus in directing the development of a subset of B lymphocytes. Mond JJ, et al. **J Exp Med** 1982 Mar 1;155(3):924–36

Post-thymic T lymphocyte maturation during ontogenesis. Piguet PF, et al. **J Exp Med** 1981 Sep 1;154(3):581–93

Thymic hormone-containing cells. Characterization and localization of serum thymic factor in young mouse thymus studied by monoclonal antibodies. Savino W, et al. **J Exp Med** 1982 Aug 1;156(2):628–33

Streptococcal group A carbohydrate has properties of both a thymus-independent (TI-2) and a thymus-dependent antigen. Briles DE, et al. **J Immunol** 1982 May; 128(5):2032–5

The specificity of the syngeneic mixed leukocyte response, a primary anti-I region T cell proliferative response, is determined intrathymically. Glimcher LH, et al. **J Immunol** 1982 Sep;129(3):987–91

The capacity and mechanism of bone marrow antibody formation by thymus-independent antigens. Koch G, et al. **J Immunol** 1982 Apr;128(4):1497–501

The H-2 phenotype of the thymus dictates the self-specificity expressed by thymic but not splenic cytotoxic T lymphocyte precursors in thymus-engrafted nude mice. Kruisbeek AM, et al. **J Immunol** 1981 Nov;127(5):2168–76

Lymphoepithelial interactions in the mouse thymus: phenotypic and kinetic studies on thymic nurse cells. Kyewski BA, et al. **J Immunol** 1982 May;128(5):2287–94

Differentiation and activation of nu/nu splenic T cell precursors by mature peripheral T cells in the absence of thymus. Lipsick JS, et al. **J Immunol** 1982 Jul;129(1):40–5

Structural analysis of thymus-leukemia (TL) antigens in the mouse. McIntyre KR, et al. **J Immunol** 1982 Apr; 128(4):1712–7

The immune response to an isomaltohexosyl-protein conjugate, a thymus-dependent analogue of alpha(1 replaced by 6) dextran. Stein KE, et al. **J Immunol** 1982 Mar;128(3):1350–4

Effect of lipid A incorporation on characterization of liposomal model membranes as thymus-independent type 1 or type 2 immunogens. Tadakuma T, et al. **J Immunol** 1982 Jan;128(1):206–10

Acquisition of immune competence by a subset of human cortical thymocytes expressing mature T cell antigens. Umiel T, et al. **J Immunol** 1982 Sep;129(3):1054–60

The beneficial effect of early excision on clinical response and thymic activity after burn injury. Echinard CE, et al. **J Trauma** 1982 Jul;22(7):560–5

Effect of thymectomy on development of Lucké renal adenocarcinomas in virus-infected leopard frog tadpoles. Rollins-Smith LA, et al. **JNCI** 1982 Jan;68(1):133–8

Role of macrophages and thymus in anti-dengue antibody production in mice. Murakami I. **Kobe J Med Sci** 1982 Feb;28(1):33–46

Myco. leprae infection in normal, thymectomised irradiated and thymus transplanted mice. Kaur S, et al. **Lepr India** 1981 Jul;53(3):425–31

Electron microscopic investigation of cell surface antigens using a multivalent hybrid antibody with double specificity. Mandache E, et al. **Morphol Embryol (Bucur)** 1981 Apr-Jun;27(2):109–15

Thymus cells in myasthenia gravis selectively enhance production of anti-acetylcholine-receptor antibody by autologous blood lymphocytes. Newsom-Davis J, et al. **N Engl J Med** 1981 Nov 26;305(22):1313–8

An experimental attempt at analysis of predisposing factors for acute death from endogenous causes. Separation and culture of lymphocytes from human cadaver thymus. Higuchi T. **Osaka City Med J** 1980;26(2):97–109

Tolerance of thymic cytotoxic T lymphocytes to allogeneic H-2 determinants encountered prethymically: evidence for expression of anti-H-2 receptors prior to entry into the thymus. Morrissey PJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2003–7

A monoclonal antibody specific for mouse dendritic cells. Nussenzweig MC, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):161–5

Differentiation of T cells: thymic selection of specificity for self. Zinkernagel RM. **Prog Clin Biol Res** 1982;85 Pt A:427–34

Bone absorption and the immune system. Nisbet NW. **Scand J Immunol** 1981 Dec;14(6):599–605

Purification and characterization of a nuclear SS-B antigen. Teppo AM, et al. **Scand J Immunol** 1982;15(1):1–7

Diminished reactivity to alloantigen following transplantation of cultured thymic fragments. Hong R, et al. **Thymus** 1982 May;4(3):155–61

H-Y and antigens of the major histocompatibility complex. H-Y and H-2D antigens are associated on unfixed lymphocytes and thymocytes but not on testicular cells. Müller U. **Tissue Antigens** 1981 Jul;18(1):40–50

Effect of neonatal thymectomy and antilymphocyte globulin on non-specific mitogen stimulation in Holstein-Friesian calves. Snider TG 3d, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):175–88

[Skin-T lymphocyte-thymus interactions : a new approach in cutaneous immunopathology (author's transl)] Schmitt D. **Pathol Biol (Paris)** 1981 Sep;29(7):393–7 **(Fre)**

[Skin-T lymphocyte-thymus interactions: a new approach in cutaneous immunopathology (author's transl)] Schmitt D. **Sem Hop Paris** 1982 Feb 25;58(8):490–4 (42 ref.) **(Fre)**

[Function of thymic reticuloepithelial cells in New Zealand mice (II) (author's transl)] Minoda M, et al. **Arerugi** 1981 May;30(5):252–8 (Eng. Abstr.) **(Jpn)**

[Isolation, purification and identification of an immunomodulating polypeptide from human and calf thymus] Morozov VG, et al. **Biokhimiia** 1981 Sep; 46(9):1652–9 (Eng. Abstr.) **(Rus)**

[Cross-reacting antigens of human thymus myoid cells and stable L-forms of group A streptococci] Beletskaia LV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):704–6 (Eng. Abstr.) **(Rus)**

[Immune complexes in the thymus of patients with rheumatism] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):76–9 **(Rus)**

[Protein complexes with nonnatural polycations: thymus-independent antigens] Vinogradov IV, et al. **Dokl Akad Nauk SSSR** 1982;263(1):228–30 **(Rus)**

[Stimulation of antibody formation in the spleens of rats exposed to an alternating magnetic field in the thoracic region] Mel'nikov OF, et al. **Fiziol Zh** 1982 Jan-Feb; 28(1):109–12 **(Rus)**

[Colony formation in unevenly irradiated adult thymectomized CBA strain mice immunized with sheep erythrocytes] Popov BV, et al. **Patol Fiziol Eksp Ter** 1981 May-Jun;(3):42–5 (Eng. Abstr.) **(Rus)**

[Possible relation between the immune response and thymus-dependence of the immunizing antigens in children in an endemic goiter region] Karal'nik BV, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):16–20 (Eng. Abstr.) **(Rus)**

[A factor regulating thymus activity] Antonenko VT, et al. **Vrach Delo** 1982 Jun;(6):25–8 (Eng. Abstr.) **(Rus)**

[Effect of physiologically active substances isolated from the thymuses of myasthenia patients and thymuses with a tumor on immunological reactivity] Grintsevich II, et al. **Vrach Delo** 1981 Jul;(7):30–1 **(Rus)**

[Thymus-dependent therapeutic immunosuppression in multiple sclerosis and myasthenia] Lobzin VS, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):176–81 (Eng. Abstr.) **(Rus)**

[Disorder of thymic regulatory function in immune processes and the approaches to its correction] Koval'chuk LV, et al. **Zh Obshch Biol** 1981 Sep-Oct;42(5):751–61 (Eng. Abstr.) **(Rus)**

INNERVATION

Innervation of the thymus gland by brain stem and spinal cord in mouse and rat. Bulloch K, et al. **Am J Anat** 1981 Oct;162(2):157–66

METABOLISM

Identification of human thymic epithelial cells with antibodies to thymosin alpha 1 in myasthenia gravis. Dalakas MC, et al. **Ann NY Acad Sci** 1981;377:477–85

Early effect of steroids on 45calcium uptake by mouse thymocytes. Homo F, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):458–65

1,25-Dihydroxyvitamin D3 receptor in bovine thymus gland. Reinhardt TA, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):1012–8

Heparan sulphate is a potent inhibitor of DNA synthesis in vitro. Winterbourne DJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):30–7

Cytosolic and nuclear binding proteins for 2,3,7,8-tetrachlorodibenzo-p-dioxin in the rat thymus. Lund J, et al. **Biochim Biophys Acta** 1982 May 5; 716(1):16–23

Inhibition of glucose transport by benzoquinone and the addition product of benzoquinone and dithiothreitol. Schraw WP, et al. **Biochim Biophys Acta** 1981 Dec 21; 649(3):735–42

Glucose transport in thymocyte plasma-membrane vesicles. Schraw WP, et al. **Biochim Biophys Acta** 1981 Dec 21; 649(3):726–34

Kinetic considerations for the regulation of adenosine and deoxyadenosine metabolism in mouse and human tissues based on a thymocyte model. Snyder FF, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):299–307

Androgens and the thymus. Pearce P, et al. **Endocrinology** 1981 Oct;109(4):1073–7

Release of estradiol from fetal bovine serum by rat thymus, spleen, kidney, lung and lung macrophage cultures. Reynolds H, et al. **Endocrinology** 1982 Jun;110(6):2213–5

The elevation of mouse thymus cell cyclic adenosine monophosphate (cAMP) by lipopolysaccharide. Tsien WH, et al. **Immunopharmacology** 1981 Sep;3(3):253–8

Characteristics of an endogenous glucocorticoid receptor stabilizing factor. Leach KL, et al. **J Biol Chem** 1982 Jan 10;257(1):381–8

Thymus myosin. Isolation and characterization of myosin from calf thymus and thymic lymphocytes, and studies on the effect of phosphorylation of its Mr = 20,000 light chain. Scholey JM, et al. **J Biol Chem** 1982 Jul 10;257(13):7737–45

Glucocorticoid-induced proteins in rat thymus cells. Voris BP, et al. **J Biol Chem** 1981 Nov 10;256(21):11319–29

Exposure of thymocytes to a low temperature (4 degrees C) inhibits the onset of their hormone-induced cellular refractoriness. Zick Y, et al. **J Biol Chem** 1982 Apr 25; 257(8):4253–9

Relative affinity of 17 alpha- and/or 21-esters and 17 alpha, 21-diesters of cortisol for a glucocorticoid receptor from rat thymocytes. Solo AJ, et al. **J Med Chem** 1982 Jun; 25(6):747–9

Effect of dexamethasone on non-esterified fatty acid metabolism in isolated mouse thymocytes. Seillan C, et al. **J Steroid Biochem** 1981 Sep;14(9):829–33

Patterns of cyclic nucleotides and related enzymes in normal and Gross-virus-transformed rat thymocytes. Peracchi M, et al. **Leuk Res** 1981;5(4–5):413–20

Intranuclear incorporation of thymic low molecular weight RNA by murine bone marrow immunoblasts and inhibition of plasma cell formation by a derivative of rifampicin. Nakamura K, et al. **Microbiol Immunol** 1982;26(1):41–57

Age-related changes in localization of thymosin in the human thymus. Hirokawa K, et al. **Thymus** 1982 Jan;4(1):19–29

[Comparison of the acetylation of nuclear proteins in the liver and thymus of rats exposed to radiation damage with protection by serotonin] Babeniuk IuD, et al. **Radiobiologiia** 1982 Jan-Feb;22(1):13–8 (Eng. Abstr.) **(Rus)**

[Role of the vagus nerves in regulating the activity of the pentosephosphate carbohydrate metabolic pathway in the thymus and mesenteric lymph nodes] Aksenova VM. **Vopr Med Khim** 1981 Sep-Oct;27(5):637–40 (Eng. Abstr.) **(Rus)**

[Susceptibility of rat thymocyte subpopulations to thymosine affecting their protein synthesis and dexamethasone receptors] Lavrinenko IA, et al. **Vopr Med Khim** 1981 May-Jun;27(3):326–30 (Eng. Abstr.) **(Rus)**

[Fractionation and characterization of nucleohistones in the active and involuting thymus] Bojanović J, et al. **Srp Arh Celok Lek** 1980 Dec;108(12):1271–8 (Eng. Abstr.) **(Scc)**

MICROBIOLOGY

In vitro studies of the mechanism of leukemogenesis. II. Characterization of endogenous murine leukemia viruses isolated from AKR thymic epithelial reticulum cell lines. Yanagihara K, et al. **J Virol** 1982 Feb;41(2):360–6

Phenotypic characterization of mice of thymus target cells susceptible to productive infection by the radiation leukemia virus. Boniver J, et al. **JNCI** 1981 Nov; 67(5):1139–51

PATHOLOGY

Effect of streptozotocin-diabetes on thymus of normal and adrenalectomized rats. Roldán A, et al. **Acta Physiol Lat Am** 1980;30(3):205–10

Thymic changes in histiocytosis. Hamoudi AB, et al.

Am J Clin Pathol 1982 Feb;77(2):169–73
Giant lymph node hyperplasia involving the thymus with associated nephrotic syndrome and myelofibrosis. Karcher DS, et al. **Am J Clin Pathol** 1982 Jan;77(1):100–4
A quantitative histologic comparison of the thymus in 100 healthy and diseased adults. Smith SM, et al.
Am J Clin Pathol 1981 Nov;76(5):657–65
Thymic involvement and initial white blood count in childhood acute lymphoblastic leukemia. Henze G, et al.
Am J Pediatr Hematol Oncol 1981 Winter;3(4):369–76
Thymic abnormalities: antigen or antibody? Response to thymectomy in myasthenia gravis. Penn AS, et al.
Ann NY Acad Sci 1981;377:786–804
Histopathology of the thymus of patients with acute lymphoblastic leukemia and lymphoblastic lymphoma in complete clinical remission. Rappaport H, et al. **Blood** 1981 Oct;58(4):852–5
Analysis of intrathymic differentiation patterns during the course of AKR leukemogenesis. Zielinski CC, et al.
Cell Immunol 1981 Apr;59(2):355–66
Thymic involution in pregnant mice. II. Functional aspects of the remaining thymocytes. Phuc LH, et al.
Clin Exp Immunol 1981 May;44(2):253–61
Sequential morphology of graft–versus–host disease in the rat radiation chimera. Beschorner WE, et al.
Clin Immunol Immunopathol 1982 Feb;22(2):203–24
Association of autoantibodies and pathological changes in aged Praomys (Mastomys) natalensis. Solleveld HA, et al.
Clin Immunol Immunopathol 1982 Mar;22(3):363–74
Thymic nurse cells: intraepithelial thymocyte sojourn and its possible relevance for the pathogenesis of AKR lymphomas. Kyewski B, et al. **Hamatol Bluttransfus** 1981; 26:372–6
Experimental parainfluenzavirus infection in mice: fatal illness with atrophy of thymus and spleen in mice caused by a variant of parainfluenza 3 virus. Shibuta H, et al.
Infect Immun 1982 Feb;35(2):437–41
Atrophy of the thymic cortex in mice with granulomatous schistosomiasis mansoni. Wellhausen SR, et al.
Infect Immun 1982 Mar;35(3):1063–9
Anterior mediastinal mass in a patient with Graves' disease. Bergman TA, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):587–8
Pathology of Taenia taeniaeformis infection in the rat: hepatic, lymph node and thymic changes. Cook RW, et al. **J Comp Pathol** 1981 Apr;91(2):219–26
Studies on the thymus gland of mice with Schistosoma mansoni, Trichinella spiralis and mixed infections. Michael AI, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):365–71
Prepubertal orchidectomy induces thymic abnormalities in aging (NZB X SJL)F1 male mice. Dumont F, et al.
J Immunol 1982 Oct;129(4):1642–8
A post–mortem study of the thymolymphatic system in protein energy malnutrition. Aref GH, et al.
J Trop Med Hyg 1982 Jun;85(3):109–14
Cervical thymic cyst. Nussbaum M, et al.
Mt Sinai J Med (NY) 1982 Jan–Feb;49(1):27–8
Influence of activity–stress on thymus, spleen and adrenal weights of rats: possibility for an immunodeficiency model. Hara C, et al. **Physiol Behav** 1981 Aug;27(2):243–8
Effects of divided feeding on activity–stress ulcer and the thymus weight in the rat. Tsuda A, et al.
Physiol Behav 1981 Aug;27(2):349–53
Thymic mast cell deficiency in avian muscular dystrophy. Befus AD, et al. **Thymus** 1981 Dec;3(6):369–76
Ultrastructural changes of the hypertrophic epithelial cells in the thymus of splenectomized chickens. Rusu VM, et al. **Thymus** 1981 Nov;3(4–5):213–22
The epithelial framework of the thymus in normal and pathological conditions. Immunohistochemical demonstration of keratin in an autopsy series. Löning T, et al. **Virchows Arch [Pathol Anat]** 1981;392(1):7–20
[Studies on retrograde Proteus mirabilis pyelonephritis in the rat. II. The concomitant thymic involution (author's transl)] Takamoto H. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug; 72(8):1011–7 (Eng. Abstr.) **(Jpn)**
[Studies on retrograde Proteus mirabilis pyelonephritis in the rat. III. Study of the plasma corticosterone on the concomitant thymic involution (author's transl)] Takamoto H. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1534–45 (Eng. Abstr.) **(Jpn)**
[A case of yolk sac tumor originating in the thymus with elevated serum AFP, HCG and CEA (author's transl)] Arimura T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1233–42 (Eng. Abstr.) **(Jpn)**
[Thymus hypertrophy as a cause of dyspnea in children] Mazurek A, et al. **Wiad Lek** 1982 Jan 1;35(1):19–24 (Eng. Abstr.) **(Pol)**
[Immunomorphologic aspects of sepsis in children under 1–year–old] Gurevich PS, et al. **Arkh Patol** 1982;44(3):74–9 (Eng. Abstr.) **(Rus)**
[Immunomorphological characteristics of myoid cells in the thymus of patients with rheumatism] Gnezditskaia EV, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):65–8 **(Rus)**
[Morphogenesis of thymus involution during oxythiamine B1–hypovitaminosis] Kovalevskiĭ GV, et al.
Biull Eksp Biol Med 1981 Jun;91(6):727–30 (Eng. Abstr.) **(Rus)**
[Myoid cells in the thymus of patients with myopathy] Valikova TA, et al. **Biull Eksp Biol Med** 1982 Jan; 93(1):104–6 (Eng. Abstr.) **(Rus)**
[Structural changes in the thymus of irradiated animals additionally subjected to thermal trauma] Budagov RS. **Radiobiologiia** 1982 Mar–Apr;22(2):278–9 (Eng. Abstr.) **(Rus)**
[Thymic and splenic pathology in rats deficient in lipotropic factors] Arienti de García I, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):590–606 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

A postulated mechanism for the coordinate effects of ionophore A23187 on calcium uptake and cell viability in rat thymocytes. Segal J, et al. **Biochim Biophys Acta** 1982 Jan 4;684(1):7–11
The influence of the thymus on precursor T cells. Kraal G, et al. **Biomedicine** 1981 Sep;35(4):115–9
Interaction of dietary fat and the thymus in the induction of mammary tumors by 7,12–dimethylbenz(a)anthracene. Wagner DA, et al. **Cancer Res** 1982 Apr;42(4):1266–73
Interdigitating cells and macrophages in the acute involuting rat thymus. An electron–microscopic study on phagocytic activity and population development. Duijvestijn AM, et al. **Cell Tissue Res** 1982;224(2):291–301
Thymic involution in pregnant mice. I. Characterization of the remaining thymocyte subpopulations. Phuc LH, et al.
Clin Exp Immunol 1981 May;44(2):247–52
In vitro and in vivo specificities of purified thymic factors inhibiting graft–versus–host reaction. Blazsek I, et al.
Exp Hematol 1982 Apr;10(4):352–9
Thymic control of the polyploidization of hepatocytes during aging. Pieri C, et al. **Experientia** 1982 Jun 15;38(6):680–1
Impact of thymus on the generation of immunocompetence and diversity of antigen–specific MHC–restricted cytotoxic T–lymphocyte precursors. Wagner H, et al.
Immunol Rev 1981;58:95–129 (64 ref.)
Restoration by cyclic guanosine monophosphate and extracellular calcium of butylated hydroxyanisole–suppressed primary murine thymus–dependent antibody response. Wess JA, et al.
Immunopharmacology 1981 Dec;3(4):361–6
Thymus dependence of the adoptive transfer of intestinal mastocytopoiesis in Trichinella spiralis–infected mice. Parmentier HK, et al. **Int Arch Allergy Appl Immunol** 1982; 68(3):260–7
The thymus gland and reproduction: do thymic peptides influence the reproductive lifespan in females? Rebar RW. **J Am Geriatr Soc** 1982 Sep;30(9):603–6
Thymic inhibition of wound healing: abrogation by adult thymectomy. Barbul A, et al. **J Surg Res** 1982 Apr; 32(4):338–42
Role of the thymus in CFU–S differentiation and proliferation. Lepault F, et al. **Leuk Res** 1981;5(4–5):379–83
The thymus and haemopoiesis. Kendall MD.
Prog Clin Biol Res 1981;59B:221–30
Current status of thymosin and other hormones of the thymus gland. Goldstein AL, et al. **Recent Prog Horm Res** 1981; 37:369–415 (159 ref.)
A comparative study of age involution of the bursa of Fabricius an thymus in birds. Bellamy D, et al. **Thymus** 1982 Feb;4(2):107–14
The effect of embryonal and early fetal calf thymuses on blood changes and well–being in human beings. Czaplicki J, et al. **Thymus** 1982 Feb;4(2):115–7
The effect of calf thymus extract (TFX) on human and mouse hemopoiesis. Górski A, et al. **Thymus** 1981 Sep;3(3):129–41
Selective migration of 'null' cells towards a thymus factor in vitro. Haar JL, et al. **Thymus** 1981 Nov;3(4–5):187–94
Endocrine influences on chicken pectoral muscle: thymus–bursa Fabricii–testosterone correlations. Giurgea R, et al. **Zentralbl Veterinarmed [A]** 1981;28(2):159–64
[Gastric secretion and serum gastrin in albino rats subjected to thymectomy] Cherkezova–Kinova E, et al.
Eksp Med Morfol 1982;21(1):5–8 **(Bul)**
[Role of the immune system in the regulation of ovarian function] Bukovský A, et al. **Cesk Gynekol** 1981 Nov; 46(9):716–21 (50 ref.) **(Cze)**
[Current discussion: the thymus gland and age] Scheller EF. **Aktule Gerontol** 1980 Dec;10(12):569–70 **(Ger)**
[Changes in the weight of the thymus and spleen of the mouse during pregnancy (author's transl)] Heinecke H.
Anat Anz 1981;149(5):509–10 **(Ger)**
[Differences in thymus–dependency among various T cell functions (author's transl)] Shimamoto Y.
Fukuoka Igaku Zasshi 1981 May;72(5):271–89 (Eng. Abstr.) **(Jpn)**
[Ascitic form the human cancer transplantable to thymus–deprived mice] Revazova ES, et al. **Arkh Patol** 1981;43(5):47–50 (Eng. Abstr.) **(Rus)**
[Regulation of the fluid state of the blood in thymectomized rats following intravenous thrombin administration] Budazhapova DTs, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):285–7 (Eng. Abstr.) **(Rus)**
[Endocrine function of gonads and adrenal glands in athymic and thymectomized mice] Chesnokova VM, et al.
Biull Eksp Biol Med 1982 Mar;93(3):102–4 **(Rus)**
[Effect of adrenaline and thymic factor on blood coagulation and fibrinolysis in healthy and thymectomized rats] Kuznik BI, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):264–6 (Eng. Abstr.) **(Rus)**
[Morphological changes in the thymus and peripheral lymphoid organs during systemic graft versus host reaction] Meshkova RIa, et al. **Biull Eksp Biol Med** 1981 Nov; 92(11):604–6 (Eng. Abstr.) **(Rus)**
[Effect of thymalin on blood coagulation and fibrinolysis] Kuznik BI, et al. **Farmakol Toksikol** 1981 Jul–Aug; 44(4):422–5 (Eng. Abstr.) **(Rus)**
[Role of the thymus in regulating blood coagulation and fibrinolysis] Kuznik BP, et al. **Fiziol Zh SSSR** 1982 Jan; 68(1):52–8 (Eng. Abstr.) **(Rus)**
[Effect of thymectomy and antilymphocyte serum on stem cells in the intestinal epithelium] Aparovich GG, et al.
Med Radiol (Mosk) 1982 Mar;27(3):56–60 (Eng. Abstr.) **(Rus)**
[Extramedullary hematopoiesis in the liver of athymic mice during postnatal ontogeny and its modification by thymus transplantation o] Iunker VM, et al. **Ontogenez** 1982 Mar–Apr;13(2):130–6 (Eng. Abstr.) **(Rus)**
[Growth of myeloid plaques on layers of cultured stromal fibroblasts] Kuznetsov SA, et al. **Ontogenez** 1982 Mar–Apr; 13(2):143–51 (Eng. Abstr.) **(Rus)**
[Participation of the thymus in effecting the modulating influence of the dopaminergic system on immunogenesis] Al'perina EL. **Vestn Akad Med Nauk SSSR** 1981;(5):30–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of the thymus in the eosinophil response of rats infected with Fasciola hepatica. Doy TG, et al.
Clin Exp Immunol 1982 Jan;47(1):74–6
Thymic dysfunction in chronic lymphocytic leukemia. Ershler WB, et al. **Thymus** 1981 Nov;3(4–5):203–12
The course of Angiostrongylus cantonensis infection in athymic nude and neonatally thymectomized mice. Yoshimura K, et al. **Z Parasitenkd** 1982;67(2):217–26
[Model of thymus gland dysfunction] Guseinov ShG.
Probl Endokrinol (Mosk) 1981 Sep–Oct;27(5):80–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Thymic irradiation in T–cell prolymphocytic leukaemia [letter] Price PJ, et al. **Br J Haematol** 1982 Jul; 51(3):498–500
The absence of late effects of radiation on the cellularity of the mouse thymus. Coggle JE. **Int J Radiat Biol** 1981 Aug;40(2):229–32
Spleen cells from adult mice given total lymphoid irradiation or from newborn mice have similar regulatory effects in the mixed leukocyte reaction. I. Generation of antigen–specific suppressor cells in the mixed leukocyte reaction after the addition of spleen cells from adult mice given total lymphoid irradiation. Okada S, et al.
J Exp Med 1982 Aug 1;156(2):522–38
Low dose X–irradiation of thymus filler cells in limiting dilution cultures of LPS–reactive B cells reduces the background Ig–secreting cells without affecting growth–supporting capacity. Hooijkaas H, et al.
J Immunol Methods 1982;51(3):323–30
The reaction of the thymus and spleen to radiocalcium (Ca–45) measured by changes in organs weights. Gupta NK, et al. **Radiobiol Radiother (Berl)** 1982 Jan;23(1):57–60
Thymic cysts following radiation therapy for Hodgkin disease. Baron RL, et al. **Radiology** 1981 Dec;141(3):593–7
[Irradiation of the thymus region in chronic lymphoid leukaemia. Seven cases (author's transl)] Floiras JL, et al.
Nouv Presse Med 1981 Oct 31;10(39):3227–9 (Eng. Abstr.) **(Fre)**
[Ribonucleic acid degradation in spleen and thymus cells of rats following whole body x–ray irradiation] Tempel K.
Zentralbl Veterinarmed [A] 1981;28(4):327–37 (Eng. Abstr.) **(Ger)**
[DNA degradation in vivo in dying thymocytes, model for the study of chromatin structure] Umanskiĭ SR, et al.
Mol Biol (Mosk) 1981 Sep–Oct;15(5):1028–39 (Eng. Abstr.) **(Rus)**
[Early postradiation rat thymus chromatin changes: Mg2+ content and degradation intensity as affected by endogenous nucleases] Chirkova LP, et al.
Radiobiologiia 1981 May–Jun;21(3):335–40 (Eng. Abstr.) **(Rus)**
[Nucleic acid metabolism in the rat thymus exposed to the combined action of gamma radiation and plutonium–239] Elkina NI. **Radiobiologiia** 1982 Jan–Feb;22(1):35–9 (Eng. Abstr.) **(Rus)**
[Transcription process in rat thymus cells subjected to x–ray irradiation. 6. Biosynthesis and metabolism of poly(A)–containing and poly(A)–noncontaining polysome RNA] Evtushenko VI, et al. **Radiobiologiia** 1981 May–Jun; 21(3):341–7 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of the radiation death of lymphoid cells. 3. Repair of superhelical DNA in a subpopulation of thymocytes differing in radiosensitivity] Filippovich IV, et al. **Radiobiologiia** 1982 Mar–Apr;22(2):165–70 (Eng. Abstr.) **(Rus)**
[Mechanism of chromatin degradation in the thymocytes of irradiated rats. 3. Postradiation activation of autolytic disintegration of DNA in isolated thymocyte nuclei] Nikonova LV, et al. **Radiobiologiia** 1982 Mar–Apr; 22(2):160–4 (Eng. Abstr.) **(Rus)**
[Molecular mechanisms of the radiation death of lymphoid cells. 2. Damage and repair of superhelical DNA in mouse thymocytes after gamma radiation] Soldatenkov VA, et al. **Radiobiologiia** 1982 Jan–Feb;22(1):25–30 **(Rus)**

RADIOGRAPHY

Normal thymus: CT characteristics in subjects under age 20.

Heiberg E, et al. **AJR** 1982 Mar;138(3):491–4
Fascial relationship of the thymus: Radiologic–pathologic correlation in neonatal pneumomediastinum. Quattromani FL, et al. **AJR** 1981 Dec;137(6):1209–11
Thymic enlargement in association with hyperthyroidism. Rose JS, et al. **Pediatr Radiol** 1982;12(1):37–8
Computed tomography of the abnormal thymus. Baron RL, et al. **Radiology** 1982 Jan;142(1):127–34
Computed tomography of the normal thymus. Baron RL, et al. **Radiology** 1982 Jan;142(1):121–5
[Radiological diagnosis and differential diagnosis of diseases of the thymus in children (author's transl)] Danilewicz-Wytrychowska T. **Radiologe** 1981 Nov; 21(11):542–6 (Eng. Abstr.) **(Ger)**

SECRETION

Feedback inhibition of thymic secretory activity in mice treated by the thymic extract TP-1 (thymostimulin). Shoham J, et al. **Immunology** 1982 Jan;45(1):31–8
[Endocrine function of the thymus in atherosclerosis] Giulling EV, et al. **Fiziol Zh** 1981 Nov–Dec;27(6):742–5 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Present and future status of thymus transplantation. Hong R. **Ann Clin Res** 1981;13(4–5):350–7
Epstein–Barr virus in a malignant lymphoproliferative disorder of B-cells occurring after thymic epithelial transplantation for combined immunodeficiency. Reece ER, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4243–7
A comparison of H-2 restriction of helper function using T cells from radiation chimeras and nude mice bearing thymus grafts. Kindred B. **Cell Immunol** 1981 Sep 15; 63(2):228–36
Restoration of impaired immune functions in aging animals. V. Long-term immunopotentiating effects of combined young bone marrow and newborn thymus grafts. Hirokawa K, et al. **Clin Immunol Immunopathol** 1982 Mar; 22(3):297–304
Effect of ADA deficiency on cultured murine thymus transplantation. Hong R, et al. **Clin Immunol Immunopathol** 1982 May;23(2):448–58
Immunologic reconstitution: achievements and potentials. Good RA. **Hosp Pract** 1982 Mar;17(3):115–9, 123–7, 130 (0 ref.)
Inhibitory effect of transplanted syngeneic thymus fragments, thymus epithelium and thymocytes on the increased contact sensitivity reaction in the adult thymectomized mouse. Olafsson JH, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):93–5
Self recognition in allogeneic thymic chimeras. Self recognition by T helper cells from thymus–engrafted nude mice is restricted to the thymic H-2 haplotype. Singer A, et al. **J Exp Med** 1982 Jan 1;155(1):339–44
Restoration of T cell depression and suppression of blood pressure in spontaneously hypertensive rats (SHR) by thymus grafts or thymus extracts. Ba D, et al. **J Immunol** 1982 Mar;128(3):1211–6
The H-2 haplotype of a thymus graft influences the Ir gene regulated IgG3, IgG1, IgG2b, and IgG2a anti-(T,G)-A--L antibody responses of high-responder F1.nude mice. Press JL, et al. **J Immunol** 1982 Jan;128(1):441–6
Thymus graft reconstitution of T-cell–deprived mice infected with Trypanosoma musculi. Targett GA, et al. **Parasite Immunol** 1981 Winter;3(4):353–8
Transplantation of cultured thymus fragments. III. Induction of allotolerance. Hong R, et al. **Thymus** 1982 Feb; 4(2):91–106
Thymus transplantation after allogeneic bone marrow graft to prevent chronic graft-versus-host disease in humans. Atkinson K, et al. **Transplantation** 1982 Feb;33(2):168–73
[Effect of heterochronic thymus on establishment of immunologic reactivity in CBA mice. I. Transplantation to neonatally thymectomized animals] Butenko GM, et al. **Ontogenez** 1982 Mar–Apr;13(2):187–90 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Rapid isolation and lipid characterization of plasma membranes from normal and malignant lymphoid cells of mouse. Koizumi K, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):393–403
Changes of the internal organization of the plasma membrane correlated to the regeneration potency of the cell. Speth V, et al. **Biochim Biophys Acta** 1981 Nov 20;649(1):113–20
Lymphoid organs of teleost fish. I. Ultrastructure of the thymus of Rutilus rutilus. Zapata A. **Dev Comp Immunol** 1981 Summer;5(3):427–36
Thymic reticulum in mice. I. Cellular ultrastructure in vitro and functional role. Papiernik M, et al. **Thymus** 1981 Dec; 3(6):345–58

THYMUS HORMONES

Complete amino acid sequences of bovine thymopoietins I, II, and III: closely homologous polypeptides. Audhya T, et al. **Biochemistry** 1981 Oct 13;20(21):6195–200
Proton NMR investigation of Ln3+ complexes of thymopoietin 32-36. Vaughn JB Jr, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):50–60
Synthesis of an immunogenic conjugate and of two 125I-labelled derivatives of the 'facteur thymique sérique'. Auger G, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar; 363(3):331–5
Chemical characterization of thymosin beta 4. Low TL, et al. **J Biol Chem** 1982 Jan 25;257(2):1000–6
Thymosin beta 4: a ubiquitous peptide in rat and mouse tissues. Hannappel E, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2172–5

ANALYSIS

Thymic hormone-containing cells. Characterization and localization of serum thymic factor in young mouse thymus studied by monoclonal antibodies. Savino W, et al. **J Exp Med** 1982 Aug 1;156(2):628–33
Immunochemical studies on thymosin: radioimmunoassay of thymosin alpha 1. McClure JE, et al. **J Immunol** 1982 Jan; 128(1):368–75
Age-dependent decline of T-cell cloning potential in mice. Fabris N, et al. **Mech Ageing Dev** 1982 Apr;18(4):315–25
The serum thymic factor (FTS). Chemical and biological aspects. Pleau JM, et al. **Mol Cell Biochem** 1981 Dec 4; 41:67–72
Thymoma with hypersecretion of thymic hormone. Chollet P, et al. **Thymus** 1981 Dec;3(6):321–34

BIOSYNTHESIS

Synthesis of thymosin beta 4 by peritoneal macrophages and adherent spleen cells. Xu GJ, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4006–9

BLOOD

Circulating thymic hormone activity in patients with primary and secondary immunodeficiency diseases. Iwata T, et al. **Am J Med** 1981 Sep;71(3):385–94
Decrease of thymic hormone serum level in Cockayne syndrome. Bensman A, et al. **Pediatr Res** 1982 Feb; 16(2):92–4
[Changes in the thymic factor level in rats with Jensen sarcoma and modification of the rate of tumor growth by administration of thymic hormone] Busse E, et al. **Z Exp Chir** 1981;14(5):306–9 (Eng. Abstr.) **(Ger)**
[Changes in interferon and thymus factor levels as well as in lymphocyte populations in patients with mammary carcinoma (author's transl)] Busse E, et al. **Zentralbl Gynakol** 1981;103(12):694–702 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Synthesis of thymosin beta 4. Wang SS, et al. **Int J Pept Protein Res** 1981 Oct;18(4):413–5

IMMUNOLOGY

In vitro induction of monoclonal antibody-defined T-cell markers in lymphocytes from immunodeficient children by synthetic serum thymic factor (FTS). Bene MC, et al. **Clin Exp Immunol** 1982 May;48(2):423–8
Generation of a monoclonal antibody against facteur thymique serique (FTS). Ohga K, et al. **Clin Exp Immunol** 1982 Mar;47(3):725–34
Common antigenicity between a human thymic epithelial cell product and a thymus-dependent serum factor. Potworowski EF, et al. **Experientia** 1982 Jul 15; 38(7):859–60
Monoclonal antibody against the serum thymic factor (FTS). Dardenne M, et al. **Immunol Lett** 1982 Feb;4(2):79–83
Immunohistologic localization of 'facteur thymique serique' (FTS) in human thymic epithelium. Jambon B, et al. **J Immunol** 1981 Nov;127(5):2055–9
Age-dependent accumulation of thymic hormone-sensitive cells. Kowalczyk D, et al. **Thymus** 1981 Dec;3(6):335–43
[Modification of the antigenicity of the serum thymic factor (thymulin) by zinc] Pleau JM, et al. **C R Seances Acad Sci [III]** 1981 May 11;292(17):991–3 (Eng. Abstr.) **(Fre)**
[A factor regulating thymus activity] Antonenko VT, et al. **Vrach Delo** 1982 Jun;(6):25–8 (Eng. Abstr.) **(Rus)**
[Role of immune cytolysis and its thymosin stimulation in experimental influenza] Savtsova ZD, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):55–8 (Eng. Abstr.) **(Rus)**
[The thymic humoral factor: current knowledge (author's transl)] Vuk-Pavlović Z. **Lijec Vjesn** 1981 Oct; 103(10):464–71 (123 ref.) (Eng. Abstr.) **(Scr)**

ISOLATION & PURIFICATION

Thymosins beta 8 and beta 9: two new peptides isolated from calf thymus homologous to thymosin beta 4. Hannappel E, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1708–11
[Isolation, purification and identification of an immunomodulating polypeptide from human and calf thymus] Morozov VG, et al. **Biokhimiia** 1981 Sep; 46(9):1652–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Identification of human thymic epithelial cells with antibodies to thymosin alpha 1 in myasthenia gravis. Dalakas MC, et al. **Ann NY Acad Sci** 1981;377:477–85
High affinity binding sites on plasma membrane obtained from the lymphoblastoid cultured 1301 cell line for highly radioactive serum thymic factor. Gastinel LN, et al. **Biochim Biophys Acta** 1982 Jan 4;684(1):117–26
Low serum thymic hormone levels in patients with chronic graft-versus-host disease. Atkinson K, et al. **Blood** 1982 May;59(5):1073–7
Zinc deficiency, depressed thymic hormones, and T lymphocyte dysfunction in patients with hypogammaglobulinemia. Cunningham-Rundles C, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):387–96
Receptors for thymosin fraction V on rat thymic lymphocytes. Brelinska R, et al. **Experientia** 1982 May 15; 38(5):618–9
Thymopoietin-like substance in human skin [letter] Chu AC, et al. **Lancet** 1982 Oct 2;2(8301):766–7
Thymosin beta 4: a ubiquitous peptide in rat and mouse tissues. Hannappel E, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2172–5
Age-related changes in localization of thymosin in the human thymus. Hirokawa K, et al. **Thymus** 1982 Jan;4(1):19–29
[Role of zinc and other metals in the biological activity of the serum thymic factor (thymulin)] Dardenne M, et al. **C R Acad Sci [D] (paris)** 1981 Mar 30;292(13):793–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Thymic hormone-induced accelerated development of antibody responsiveness to sheep red blood cells in the newborn mouse. Teodorczyk-Injeyan J, et al. **Am J Reprod Immunol** 1982 Apr;2(2):107–10
Mechanistic studies of ribonucleic acid renaturation by a helix-destabilizing protein. Karpel RL, et al. **Biochemistry** 1982 Apr 27;21(9):2102–8
Shape changes induced by biologically active peptides and nerve growth factor in blood platelets of rabbits. Gudat F, et al. **Br J Pharmacol** 1981 Nov;74(3):533–8
Resistance to L1210 mouse leukemia cells in moderately protein-malnourished BALB/c mice treated in vivo with thymosin fraction V. Petro TM, et al. **Cancer Res** 1982 Jun;42(6):2139–45
Serum thymic factor (FTS) restores the ability of adult thymectomized mice to be suppressed by hapten-modified self. Grouix B, et al. **Cell Immunol** 1981 Oct;64(1):144–9
Dissociated effects of thymectomy at weaning on T-cell-mediated responses in vitro: correction by the serum thymic factor, FTS, and its analogs. Kaiserlian D, et al. **Cell Immunol** 1981 Oct;64(1):93–101
Studies on the mechanisms of the inhibitory effects of serum thymic factor on murine allograft immunity. Kaiserlian D, et al. **Cell Immunol** 1982 Jan 15;66(2):360–71
Effects of synthetic thymopoietin II fragments on E-rosette forming cells of a rheumatoid arthritis patient. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2322–9
Effects of synthetic thymopoietin fragments on low E-rosette forming cells in a patient with lupus nephritis. Abiko T, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov;29(11):3320–5
Prolongation of murine skin grafts by FTS and its synthetic analogues. Kaiserlian D, et al. **Clin Exp Immunol** 1981 Aug; 45(2):338–43
Dual action of leucocyte dialysates and of thymosin on the recovery of sheep-cell-rosetting capacity in trypsinized human lymphocytes. Sargent IL, et al. **Clin Exp Immunol** 1982 Jan;47(1):183–90
Manifestation and growth of a transplantable osteosarcoma in mice: the effects of thymectomy and thymosin treatment. Carlsson SR, et al. **Clin Orthop** 1981 Sep;(159):279–85
Induction and augmentation of mitogen-induced immune interferon production in human peripheral blood lymphocytes by N alpha-desacetylthymosin alpha 1. Svedersky LP, et al. **Eur J Immunol** 1982 Mar;12(3):244–7
Structural requirement for the biological activity of serum thymic factor. Imaizumi A, et al. **FEBS Lett** 1981 Jun 1; 128(1):108–10
Effect of the TP5 analogue of thymopoietin on the rejection of male skin by aged and thymectomized female mice. Goldberg EH, et al. **Immunogenetics** 1981;13(3):201–4
Human post-thymic precursor cells in health and disease. V. Stimulatory effect of serum thymic factor on the cell cycle of autologous-rosette forming and T gamma-cells. Palacios R, et al. **Immunol Lett** 1982 Jan;4(1):35–8
Activation of polyclonal antibody responses by a synthetic serum thymic factor (FTS) in CBA/N mice. Matsumoto T, et al. **Immunology** 1982 Feb;45(2):293–301
Effect of thymosin fraction 5 on the production of murine gamma interferon. Sonnenfeld G, et al. **Immunopharmacology** 1982 Feb;4(1):87–93
Increase of mouse resistance to Candida albicans infection by thymosin alpha 1. Bistoni F, et al. **Infect Immun** 1982 May;36(2):609–14
Discrepancy between biological activity of thymosin and its cyclic nucleotide-modulating activity. Morikawa A, et al. **Int Arch Allergy Appl Immunol** 1982;67(4):351–5
Influence of serum thymic factor (FTS) on radiation-induced leukaemogenesis in thymectomized AKR mice. Legrand E, et al. **Int J Cancer** 1981 Jul 15;28(1):59–64
Restoration of the impaired lymphocyte stimulation in old people by thymopoietin pentapeptide. Verhaegen H, et al. **J Clin Lab Immunol** 1981 Sep;6(2):103–5
Thymosin treatment modulates production of interferon. Huang KY, et al. **J Interferon Res** 1981;1(3):411–20
Decrease of tumor growth in mice after intravenous thymosin-treated bone marrow cell injection. Cupissol D, et al. **JNCI** 1982 Jul;69(1):27–31

Effect of thymosin on cellular immunity in old age. Cowan MJ, et al. **Mech Ageing Dev** 1981 Jan;15(1):29–39

Effect of thymosin on human T cell subpopulations. Giordano M, et al. **Medicina (B Aires)** 1981;41 Suppl:77–82

Modulation of terminal deoxynucleotidyl transferase activity by thymosin. Hu SK, et al. **Mol Cell Biochem** 1981 Dec 4;41:49–58

Induction of T lymphocyte differentiation by thymic factors. Touraine JL. **Mol Cell Biochem** 1981 Dec 4;41:119–22

Potentiation of the thymosin immunoregulatory effect by hypocorticoidism in rats with DMBA-induced carcinogenesis in mammary glands. Grinevich YuA, et al. **Neoplasma** 1982;29(1):19–27

Effects of thymosin and evidence of monocyte suppression of both T- and B-cell functions in two cases of 'common variable immunodeficiency'. Arala-Chaves MP, et al. **Scand J Immunol** 1982;15(1):97–104

Interleukin-2 and serum thymic factor enable autologous rosette-forming T lymphocytes to generate helper and cytotoxic functions. Sugawara I, et al. **Scand J Immunol** 1982 Feb;15(2):233–8

Thymosin stimulates secretion of luteinizing hormone-releasing factor. Rebar RW, et al. **Science** 1981 Nov 6;214(4521):669–71

In vitro thymosin effect on T lymphocytes in ankylosing spondylitis. Mutchnick MG, et al. **Thymus** 1981 Dec; 3(6):377–81

Activities of purine nucleotide metabolizing enzymes in human thymocytes and peripheral blood T lymphocytes: in vitro effect of thymic hormones. Ramagopal S, et al. **Thymus** 1982 May;4(3):163–72

Interaction between thymosin, testosterone and estradiol on natural killer cell activity in mice. Deschaux P, et al. **Tohoku J Exp Med** 1982 Apr;136(4):367–72

In vitro differentiation of human marrow T cell precursors by thymic factors in severe combined immunodeficiency. Incefy GS, et al. **Transplantation** 1981 Oct;32(4):299–305

[Comparison of intracellular actin of thymosin alpha-1 and thymic serum factor] Deschaux P, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):207–10 (Eng. Abstr.) **(Fre)**

[The T-lymphocytes in allergic asthmatic children: influence in-vitro of thymostimulin of E rosette forming activity] Armenio L, et al. **Pediatria (Napoli)** 1981 Sep 30; 89(3):297–303 **(Ita)**

[Effect of thymalin on the cyclic nucleotide system in the mouse spleen] Gavrilenko IS, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):39–40 (Eng. Abstr.) **(Rus)**

[Effect of adrenaline and thymic factor on blood coagulation and fibrinolysis in healthy and thymectomized rats] Kuznik BI, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):264–6 (Eng. Abstr.) **(Rus)**

[Refractoriness of mouse spleen rosette-forming cells to thymus hormones during the period of early postnatal ontogeny] Giulling EV, et al. **Ontogenez** 1981;12(1):100–2 (Eng. Abstr.) **(Rus)**

[Susceptibility of rat thymocyte subpopulations to thymosine affecting their protein synthesis and dexamethasone receptors] Lavrinenko IA, et al. **Vopr Med Khim** 1981 May-Jun;27(3):326–30 (Eng. Abstr.) **(Rus)**

[Effect of thymic polypeptide factor on the cyclic nucleotide system of immunocompetent cells] Morozov VG, et al. **Vopr Med Khim** 1982 Jul-Aug;28(4):114–8 (Eng. Abstr.) **(Rus)**

[Effect of thymosin on the rosette-forming capacity of peripheral blood lymphocytes and healthy subjects] Loseva TM. **Zh Nevropatol Psikhiatr** 1982;82(5):67–70 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thymic hormones and the immune system. Wara DW. **Adv Pediatr** 1981;28:229–70 (127 ref.)

The thymus gland and reproduction: do thymic peptides influence the reproductive lifespan in females? Rebar RW. **J Am Geriatr Soc** 1982 Sep;30(9):603–6

The pathogenesis of myasthenia gravis--a hypothesis. Olanow CW, et al. **Med Hypotheses** 1981 Jul;7(7):957–68

Current status of thymosin and other hormones of the thymus gland. Goldstein AL, et al. **Recent Prog Horm Res** 1981; 37:369–415 (159 ref.)

SECRETION

[Endocrine function of the thymus in atherosclerosis] Giulling EV, et al. **Fiziol Zh** 1981 Nov-Dec;27(6):742–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Potential role of thymosin in the treatment of autoimmune diseases. Goldstein AL, et al. **Ann NY Acad Sci** 1981; 377:486–95

Studies of thymopoietin pentapeptide (TP5) on experimental tumors. I. TP5 relieves immunosuppression in tumor-bearing mice. Lau CY, et al. **Cell Immunol** 1982 Jan 15;66(2):217–32

Improvement of natural killer activity and of T cells after thymopoietin pentapeptide therapy in a patient with severe combined immunodeficiency. Fiorilli M, et al. **Clin Exp Immunol** 1981 Aug;45(2):344–51

A case of Di George syndrome treated with thymopoietin pentapeptide (TP-5) demonstrating an adherent suppressor cell of lymphocyte function. Joffe MI, et al. **J Clin Lab Immunol** 1982 May;8(1):69–73

T-cell stimulator undergoes diverse testing [news] Gunby P. **JAMA** 1982 Aug 20;248(7):807

Improvement of cellular immunity and IgA production in immunodeficient children after treatment with synthetic serum thymic factor (FTS). Bordigoni P, et al. **Lancet** 1982 Aug 7;2(8293):293–7

Lymphocyte responsiveness to thymosin in angioimmunoblastic lymphadenopathy with lymphomatous transformation. Taylor SG 4th. **Med Pediatr Oncol** 1982; 10(2):171–4

Thymopoietin in rheumatoid arthritis. Thrower PA, et al. **Rheumatol Rehabil** 1982 May;21(2):72–7

Clinical impressions on the treatment of multiple sclerosis with thymus factor. Cendrowski W. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(2):199–203

Thymic humoral factor (THF) therapy in a patient with Di-George syndrome. Ersoy F, et al. **Turk J Pediatr** 1982 Apr-Jun;23(2):115–20

[Pilot-trial of treatment of leprosy by pig's thymosin combined with dapsone (author's transl)] **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):198–200 (Eng. Abstr.) **(Chi)**

[Changes in the thymic factor level in rats with Jensen sarcoma and modification of the rate of tumor growth by administration of thymic hormone] Busse E, et al. **Z Exp Chir** 1981;14(5):306–9 (Eng. Abstr.) **(Ger)**

[Immunocorrective therapy in the complex of resuscitative measures to treat the severe form of tetanus] Treshchinskii AI, et al. **Anesteziol Reanimatol** 1982 May-Jun;(3):31–4 (Eng. Abstr.) **(Rus)**

[Development of an experimental tuberculous process in the presence of immune deficiency and immunostimulation] Shcherbakova NM, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):320–2 (Eng. Abstr.) **(Rus)**

[Increase of the life span and decrease in the tumor incidence in C3H/Sn mice as affected by thymus and epiphysis polypeptide factors] Anisimov VN, et al. **Dokl Akad Nauk SSSR** 1982;263(3):742–5 **(Rus)**

[Effect of thymarin on hemostasis and immunogenesis in humans] Kuznik BI, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):69–72 **(Rus)**

[Effect of thymalin in young children with acute pneumonia] Kuznik VI, et al. **Pediatriia** 1982 Apr;(4):22–5 **(Rus)**

[Use of the thymus preparation thymalin in suppurative-inflammatory processes with an allergic anamnesis] Shimchenko PIa, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):35–6 (Eng. Abstr.) **(Rus)**

[Combined treatment of suppurative inflammatory diseases of the maxillofacial area using thymalin] Shimchenko PIa, et al. **Vestn Khir** 1981 Oct;127(10):94–7 **(Rus)**

[Experimental and clinical study of a new immunoregulator preparation thymalin] Khavinson VKh, et al. **Voen Med Zh** 1982 May;(5):37–9 **(Rus)**

THYMUS HYPERPLASIA

COMPLICATIONS

Circulating immune complexes in myasthenia gravis: a study in relation to thymectomy, clinical severity and thymus histology. Bartoloni C, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):901–5

PATHOLOGY

[Case of a combination of asthmatic pulmonary eosinophilia with thymus hyperplasia] Andrianov IuA, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):54–6 **(Rus)**

PHYSIOPATHOLOGY

[Model of thymus gland dysfunction] Guseinov ShG. **Probl Endokrinol (Mosk)** 1981 Sep-Oct;27(5):80–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Radiological diagnosis and differential diagnosis of diseases of the thymus in children (author's transl)] Danilewicz-Wytrychowska T. **Radiologe** 1981 Nov; 21(11):542–6 (Eng. Abstr.) **(Ger)**

[Computed tomography of the mediastinum in myasthenia gravis. Normal findings, thymic hyperplasia, thymomas (author's transl)] Gürtler KF, et al. **ROFO** 1982 Jan; 136(1):35–40 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Thymic gallium-67 localization in pediatric patients on chemotherapy: concise communication. Donahue DM, et al. **J Nucl Med** 1981 Dec;22(12):1043–8

THYMUS-INDEPENDENT ANTIGENS see **ANTIGENS, T-INDEPENDENT**

THYMUS NEOPLASMS

[Malignant thymoma with brain metastasis—case report (author's transl)] Suzuki N, et al. **Neurol Med Chir (Tokyo)** 1981 Aug;21(8):891–5 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Assays for transferrin and transferrin receptors in tumour and other mouse tissues. De Abrew S. **Int J Nucl Med Biol** 1981;8(4):217–21

BLOOD

Thymoma with hypersecretion of thymic hormone. Chollet P, et al. **Thymus** 1981 Dec;3(6):321–34

COMPLICATIONS

Anterior chest wall abscess in a 29 year old woman [clinical conference] **Am J Med** 1981 Oct;71(4):719–28

Pemphigus foliaceus, myasthenia gravis, and thymoma in a patient with serological evidence of SLE. Cooper A, et al. **Aust NZ J Med** 1981 Jun;11(3):277–80

Fatal chronic cutaneous herpes simplex associated with thymoma and hypogammaglobulinaemia. Beck S, et al. **Br J Dermatol** 1981 Oct;105(4):471–4

Amenorrhea, depression and hypercortisolism. Thorner MO. **Hosp Pract** 1982 Sep;17(9):158–9

Pure red cell aplasia with thymoma: a case report and brief review of pathogenesis. Earlywine GR, et al. **J Fla Med Assoc** 1981 Nov;68(11):890–4

Circulating immune complexes in myasthenia gravis: a study in relation to thymectomy, clinical severity and thymus histology. Bartoloni C, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):901–5

Myotonic dystrophy and thymoma [letter] Carlin L, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):852–3

Factors affecting response to thymectomy for myasthenia gravis. Rubin JW, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):720–8

Thymoma with red cell aplasia and hemolytic anemia. Tiber C, et al. **South Med J** 1981 Sep;74(9):1164–5

[Myasthenia gravis and thymoma (author's transl)] Xue QM. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):26–8 **(Chi)**

[Generalized rubrophycia and thymoma (author's transl)] Otčenášek M, et al. **Cesk Dermatol** 1981 Jun;56(3):141–6 (Eng. Abstr.) **(Cze)**

[Pemphigus and thymoma: review and etiopathogenesis (author's transl)] Souteyrand P, et al. **Ann Dermatol Venereol** 1981;108(5):457–67 (64 ref.) (Eng. Abstr.) **(Fre)**

[Pemphigus erythematosus and malignant thymoma] Wilhelm T, et al. **Hautarzt** 1982 Mar;33(3):156–8 **(Ger)**

[Clinical manifestations, immunological characteristics and therapy of autoimmune hemolytic anemia with antibodies against erythrokaryocyte antigens associated with benign thymoma] Idel'son LI, et al. **Ter Arkh** 1981;53(9):99–102 (Eng. Abstr.) **(Rus)**

CONGENITAL

Progressive neonatal airway obstruction secondary to cervical thymic cyst. Raines JM, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):723–5

Symptomatic cervical thymic cyst in a neonate. Rosevear WH, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct; 89(5):738–41

DIAGNOSIS

Thymoma diagnosed by transthoracic fine needle aspiration. Pak HY, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr; 26(2):210–6

Serological detection of thymoma in myasthenia gravis. Aarli JA, et al. **Eur Neurol** 1981;20(5):380–7

Thymolipoma simulating pulmonary sequestration. Herrera L, et al. **J Pediatr Surg** 1982 Jun;17(3):313–5

Malignant thymoma in an eight-month-old boy. Deshpande GN, et al. **J Surg Oncol** 1981;18(1):61–6

[Thoracic computer tomography for the evaluation of the thymus gland in cases of myasthenia gravis (author's transl)] Druschky KF, et al. **Fortschr Neurol Psychiatr** 1981 Nov; 49(11):415–21 (Eng. Abstr.) **(Ger)**

[Thymolipoma simulating cardiomegaly] Silva JR, et al. **AMB** 1981 Sep;27(9):269–70 (Eng. Abstr.) **(Por)**

[Diagnosis and treatment of thymus tumors] Neimark II. **Vopr Onkol** 1982;28(6):59–62 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of so-called granulomatous thymoma] Simbirtseva LP, et al. **Vopr Onkol** 1982; 28(3):14–8 (Eng. Abstr.) **(Rus)**

[Diagnosis and differential diagnosis of congenital stridor in infants] Cvetković S, et al. **Srp Arh Celok Lek** 1981 Mar; 109(3):409–13 **(Scc)**

DRUG THERAPY

Metastatic thymoma with myasthenia gravis: complete remission with combination chemotherapy. Butler WM, et al. **Cancer** 1982 Aug 1;50(3):419–22

Long-lasting response to cis-platinum in recurrent malignant thymoma: case report. Cocconi G, et al. **Cancer** 1982 May 15;49(10):1985–7

Characterization of a new type of thymoma variants supersensitive to dexamethasone. Mermod JJ, et al. **J Steroid Biochem** 1981 Dec;15:25–34

[A case of pure red cell aplasia (PRCA) associated with huge thymoma responsive to corticosteroid therapy (author's transl)] Ohta K, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):266–72 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Studies of terminal deoxynucleotidyl transferase in normal and neoplastic human cells. Campagnari F, et al. **Adv Exp Med Biol** 1982;145:305–20

Purification of terminal deoxynucleotidyl transferase of 60,000 dalton from mammalian thymus and thymoma immunoadsorbent column and comparison of peptide structures. Nakamura H, et al. **Adv Exp Med Biol** 1982; 145:19–23

ETIOLOGY

Endogenous MuLV infection does not contribute to onset of radiation- or carcinogen-induced murine thymoma. Mayer A, et al. **Nature** 1982 Jan 21;295(5846):253–5

Xenotropic type C virus expression in murine thymomas induced by radiation or 3-methylcholanthrene. Mayer A, et al. **Virology** 1981 Oct 30;114(2):580–4

FAMILIAL & GENETIC

Cytogenetics of murine thymic lymphomas induced by N-methyl-N-nitrosourea: difference in incidence of trisomy 15 in thymic lymphomas induced in neonatal and adult mice. Chan FP, et al. **Cancer Genet Cytogenet** 1981 Dec;4(4):337–44

Chromosomal alterations in the course of viral leukemogenesis in the rat. Vernole P, et al. **Cancer Genet Cytogenet** 1981 Oct;4(2):143–55

Clonal nature of spontaneous AKR leukemia: studies utilizing the X-linked enzyme phosphoglycerate kinase. Collins SJ, et al. **Int J Cancer** 1982 Jun 15;29(6):673–6

IMMUNOLOGY

LYT-2 negative and T cell growth factor independent cytotoxic T lymphocyte hybridomas. Kaufmann Y. **Adv Exp Med Biol** 1982;146:435–46

Human thymoma: immunologic characteristics of the lymphocytic component. Lauriola L, et al. **Cancer** 1981 Nov 1;48(9):1992–5

Pre-B cell suppression by thymoma patient lymphocytes. Hayward AR, et al. **Clin Exp Immunol** 1982 May; 48(2):437–42

Thymoma-specific antibodies in sera from patients with myasthenia gravis demonstrated by indirect haemagglutination. Aarli JA, et al. **J Neuroimmunol** 1981 Dec;1(4):421–7

Alloantigenic phenotype of radiation-induced thymomas in the mouse. Hogarth PM, et al. **JNCI** 1982 Sep;69(3):619–26

[Association of thymoma, superficial pemphigus, nephrotic syndrome and lupus biology] Blanchet P, et al. **Ann Dermatol Venereol** 1981;108(5):471–2 **(Fre)**

[Recurrent lung infection and late-onset immunitary deficiency related to a thymoma (author's transl)] Wipf R, et al. **Praxis** 1982 Apr 20;71(16):681–4 (Eng. Abstr.) **(Fre)**

[Effect of physiologically active substances isolated from the thymuses of myasthenia patients and thymuses with a tumor on immunological reactivity] Grintsevich II, et al. **Vrach Delo** 1981 Jul;(7):30–1 **(Rus)**

METABOLISM

Lack of effect of the Ca2+ ionophore A23187 on tumour cells. Cittadini A, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):177–82

Identification of phorbol ester receptors in T-cell growth factor-producing and -nonproducing EL4 mouse thymoma cells. Sando JJ, et al. **Cancer Res** 1982 May;42(5):1676–80

MICROBIOLOGY

RNA oncovirus expression in N-methyl-n-nitrosourea-induced lymphomas in mice. Pintér A, et al. **Int J Cancer** 1981 Aug 15;28(2):219–23

Genetic alterations of RNA leukemia viruses associated with the development of spontaneous thymic leukemia in AKR/J mice. Thomas CY, et al. **J Virol** 1982 Aug; 43(2):416–26

Rapid thymomas induced by Abelson murine leukemia virus. Cook WD. **Proc Natl Acad Sci USA** 1982 May; 79(9):2917–21

[Aspects of megakaryocytic viral production in relation to lymphocytic leukemia in the rat] de Saint-Georges L, et al. **C R Soc Biol (Paris)** 1982;176(1):109–14 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Morphologic and clinico-pathologic features of thymus tumours. Lapis K, et al. **Acta Morphol Acad Sci Hung** 1981; 29(2–3):109–25

Mucoepidermoid carcinoma of the thymic region. Tanaka M, et al. **Acta Pathol Jpn** 1982 Jul;32(4):703–12

Malignant thymus tumour progressing into acute leukaemia with non-specific esterase activity. Vilpo JA, et al. **Acta Pathol Microbiol Scand [A]** 1981 May;89(3):223–6

Immunopathology of B-cell lymphomas induced in C57BL/6 mice by dualtropic murine leukemia virus (MuLV). Pattengale PK, et al. **Am J Pathol** 1982 Jun;107(3):362–77

Primary mediastinal carcinoid tumors. Wick MR, et al. **Am J Surg Pathol** 1982 Apr;6(3):195–205

The thymus according to Schambacher: medullary ducts and reticular epithelium of thymus and thymomas. Shier KJ. **Cancer** 1981 Sep 1;48(5):1183–99

Oat-cell carcinoma of the thymus. Wick MR, et al. **Cancer** 1982 Apr 15;49(8):1652–7

Two-dimensional echocardiographic findings of cardiovascular involvement by invasive thymoma. Nishimura T, et al. **Chest** 1982 Jun;81(6):752–4

Concurrent thymoma and lymphoma: a report of two cases. Skinnider LF, et al. **Hum Pathol** 1982 Feb;13(2):163–6

T-cell hybrids. II. BH2 line-derivation by fusion between two (BW5147 X EL-4R) thymoma lines. Bubenik J, et al. **Neoplasma** 1982;29(1):3–7

Mixed parathyroid-thymic cyst. Harris MN, et al. **NY State J Med** 1981 Oct;81(11):1657–9

Thymoma mimicking Hodgkin's disease of the thymus. Battaglia S, et al. **Pathol Res Pract** 1981 Jul;172(1–2):205–10

Pathogenesis of thymic lymphomas in C57BL mice. Boniver J. **Pathol Res Pract** 1981 Apr;171(2):268–78

Non-invasive thymoma with widespread blood-borne metastasis. Yoshida A, et al. **Virchows Arch [Pathol Anat]** 1981;390(1):121–6

[Alleged pseudo-hodgkinian perithymic granulomatous tumors (author's transl)] Boumghar M, et al. **Ann Chir** 1982 Feb;36(2):134–6 (Eng. Abstr.) **(Fre)**

[Thymic seminomas (author's transl)] Kitzis M, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3397–400 (Eng. Abstr.) **(Fre)**

[Metastasizing thymoma] Czakó T, et al. **Orv Hetil** 1981 Jul 19;122(29):1789–93 **(Hun)**

[A case of acute myelomonoblastic leukemia with leukemic involvement of the thymus] Siver SP, et al. **Vrach Delo** 1981 Nov;(11):46–8 **(Rus)**

PHYSIOPATHOLOGY

[Electromyographic and morphological analysis of the changes in the motor units in myasthenia, combined myasthenia with thymoma and polymyositis and terminal polyneuropathy with myasthenic syndrome] Gekht BM, et al. **Zh Nevropatol Psikhiatr** 1981;81(11):1624–32 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiologic-Pathologic Correlation Conference: SUNY Upstate Medical Center. Cushing syndrome associated with mediastinal mass. Felson B, et al. **AJR** 1982 May; 138(5):815–9

Thymoma detection by mediastinal CT: patient with myasthenia gravis. Moore AV, et al. **AJR** 1982 Feb; 138(2):217–22

Invasive thymomas: diagnosis and evaluation by computed tomography. Zerhouni EA, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):92–100

Computed tomography of the abnormal thymus. Baron RL, et al. **Radiology** 1982 Jan;142(1):127–34

Roentgenologic diagnosis of primary corticotropin-producing carcinoid tumors of the mediastinum. Brown LR, et al. **Radiology** 1982 Jan; 142(1):143–8

Computed tomography of the anterior mediastinum in myasthenia gravis. A radiologic-pathologic correlative study. Fon GT, et al. **Radiology** 1982 Jan;142(1):135–41

[Computed tomography of the mediastinum in myasthenia gravis. Normal findings, thymic hyperplasia, thymomas (author's transl)] Gürtler KF, et al. **ROFO** 1982 Jan; 136(1):35–40 (Eng. Abstr.) **(Ger)**

[A case of thymolipoma simulating atelectasis of the right middle and lower lobe-diagnostic usefulness of computed tomography (author's transl)] Hashimoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Sep;19(9):665–9 (Eng. Abstr.) **(Jpn)**

[A case of endodermal sinus tumor of thymic origin (author's transl)] Nakagama H, et al. **Rinsho Hoshasen** 1981 Mar; 26(3):395–8 (Eng. Abstr.) **(Jpn)**

[Clinical roentgenoogic diagnosis of thymoma with myasthenic syndrome] Vasil'ev VN, et al. **Grudn Khir** 1982; 1:76–81 **(Rus)**

[A contribution to x-ray diagnosis of a carcinoid of the thymus with the syndrome of ectopic ACTH production (author's transl)] Mersten A, et al. **Cesk Radiol** 1982 May; 36(3):191–6 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Tc-99m pertechnetate uptake in a thymoma: case report. Wilson RL, et al. **Clin Nucl Med** 1982 Apr;7(4):149–50

Thymic gallium-67 localization in pediatric patients on chemotherapy: concise communication. Donahue DM, et al. **J Nucl Med** 1981 Dec;22(12):1043–8

Selenomethionine uptake in the thorax. Bose A, et al. **Semin Nucl Med** 1982 Apr;12(2):220–1

RADIOTHERAPY

Radiation therapy in the management of malignant thymic tumors. Arriagada R, et al. **Acta Radiol [Oncol]** 1981; 20(3):167–72

SECRETION

A case of ectopic ACTH syndrome: diagnostic difficulties caused by intermittent hormone secretion. Thorner MO, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):364–70

Ectopic secretion of ACTH and met-enkephalin from a thymic carcinoid. Baker J, et al. **J Endocrinol Invest** 1982 Jan-Feb;5(1):33–8

SURGERY

Transcervical thymectomy for thymoma in myasthenia gravis. Slater G, et al. **Am J Surg** 1982 Aug;144(2):254–6

Evolution of the indications and results of treatment of myasthenia by thymectomy. Le Brigand H. **Int Surg** 1982 Jan-Mar;67(1):9–11

Treatment and prognosis of thymoma: a review of 25 cases. Appelqvist P, et al. **J Surg Oncol** 1982 Aug;20(4):265–8

Clinical disorders and prognosis in operated thymoma. Fujimura S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1981 Dec;28(1–4):15–22

[Surgical treatment of thymic tumor and myasthenia gravis (author's transl)] Fang RB. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):514–6 (Eng. Abstr.) **(Chi)**

[Thymoma-clinical disorders and results of surgical treatment (author's transl)] Fijimura S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1707–14 (Eng. Abstr.) **(Jpn)**

THERAPY

[A case of the malignant thymic carcinoid survived relatively longer period by the multidisciplinary treatment (author's transl)] Mikuriya S, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1438–44 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Carcinoid tumor of the thymus associated with a parathyroid adenoma. Vener JD, et al. **Arch Otolaryngol** 1982 May; 108(5):324–6

Rapid isolation and lipid characterization of plasma membranes from normal and malignant lymphoid cells of mouse. Koizumi K, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):393–403

Microfilamentous carcinoid of the thymus: correlation of ultrastructural study with Grimelius stain. Fetissof F, et al. **Ultrastruct Pathol** 1982 Jan-Mar;3(1):9–15

VETERINARY

Thymoma in 11 cats. Carpenter JL, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):248–51

Thymic lymphosarcoma cell leukemia [letter] Cheetham CJ, et al. **Vet Rec** 1982 May 8;110(19):457

Thymic lymphosarcoma-cell leukaemia in a crossbred bitch. Finlay DE. **Vet Rec** 1982 Apr 3;110(14):337–8

Malignant thymoma with metastases in a dog. Al-Zubaidy AJ. **Vet Rec** 1981 Nov 28;109(22):490–2

A bovine thymic lymphosarcoma case showing a negative serological response to bovine leukemia virus antigens, in a herd with high incidence of enzootic bovine leukosis. Mammerickx M, et al. **Zentralbl Veterinarmed [B]** 1981; 28(9–10):733–42

THYROCALCITONIN see **CALCITONIN**

THYROGLOBULIN

Structure of carbohydrate unit A or porcine thyroglobulin. Tsuji T, et al. **Biochem J** 1981 Jun 1;195(3):691–9

The structure of carbohydrate unit B of porcine thyroglobulin. Yamamoto K, et al. **Biochem J** 1981 Jun 1;195(3):701–13

Critical analysis of [131I]- and [125I]human thyroglobulin labels for radioimmunoassay use. Schlumberger M, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):581–6

ANALYSIS

Simultaneous detection of thyroglobulin (Tg), thyroxine (T4), and Triiodothyronine (T3) in nontoxic thyroid tumors by the immunoperoxidase method. Kawaoi A, et al. **Am J Pathol** 1982 Jul;108(1):39–49

Comparison of crosslinked and natural polypeptides as standards for molecular weight determination of large polypeptides (guinea pig thyroglobulin) by SDS-gel electrophoresis. See YP, et al. **Anal Biochem** 1981 Jul 1; 114(2):377–82

Polypeptide chain composition of thyroglobulin. Palumbo G, et al. **Biosci Rep** 1981 Jul;1(7):581–6

Immunofluorescence localization of thyroglobulin in metastatic thyroid cancer. Franklin WA, et al. **Cancer** 1982 Sep 1;50(5):939–45

A radioimmunoassay system for human thyroglobulin. Dimitriu V, et al. **Endocrinologie** 1981 Oct-Dec; 19(4):235–41

[T3, T4, TSH and circulating antithyroglobulin antibodies in myasthenia gravis] Kiessling WR, et al. **Endokrinologie** 1981 Oct;78(1):67–72 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Thyroglobulin production by rat thyroid cells in culture: a study at the level of single cells. Fontana S, et al. **Endocrinology** 1982 May;110(5):1790–5

The segregation into microsomal vesicles and core-glycosylation in vitro of a 300-kDa rat thyroglobulin subunit. Alvino CG, et al. **Eur J Biochem** 1982 Jun 15; 125(1):15–9

Processing of the carbohydrate units of thyroglobulin.

Godelaine D, et al. **J Biol Chem** 1981 Oct 10; 256(19):10161–8

[Tunicamycin inhibition of carbohydrate incorporation into thyroglobulin] Monaco F, et al. **C R Soc Biol (Paris)** 1981; 175(4):446–51 (Eng. Abstr.) **(Fre)**

[Effect of change of habitat (sea and fresh water) on in vivo thyroglobulin synthesis in Atlantic glassed eels (Anguilla anguilla L.)] Monaco F, et al. **C R Soc Biol (Paris)** 1981; 175(4):452–6 (Eng. Abstr.) **(Fre)**

BLOOD

A prospective study of the differential changes in serum thyroglobulin and its autoantibodies during propylthiouracil or radioiodine therapy of patients with Graves' disease. Feldt-Rasmussen U, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):379–85

Thyroglobulin assay in the follow-up of patients with differentiated thyroid carcinomas: comparison of its value in patients with or without normal residual tissue. Schlumberger M, et al. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):215–21

Serum thyroglobulin differentiated thyroid carcinoma: histological and metastatic classification. Shah DH, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):222–6

Serum thyroglobulin measurement in various thyroidal disorders. Osotimehin B, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):89–95

The comparative value of serum thyroglobulin measurements and iodine 131 total body scans in the follow-up study of patients with treated differentiated thyroid cancer. Ashcraft MW, et al. **Am J Med** 1981 Nov;71(5):806–14

Serum thyroglobulin in the management of patients with thyroid cancer. Barsano CP, et al. **Arch Intern Med** 1982 Apr;142(4):763–7

Disappearance rate of endogenously radioiodinated thyroglobulin and thyroxine after radioiodine treatment. Jeevanram RK, et al. **Cancer** 1982 Jun 1;49(11):2281–4

Serum thyroglobulin in normal and hypothyroid neonates. Black EG, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):267–74

The measurement of serum thyroglobulin in the presence of thyroglobulin antibodies. Ratcliffe JG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):507–18

Serum thyroglobulin levels: their use in monitoring thyroid carcinoma. Schwartz MA, et al. **Conn Med** 1982 Apr; 46(4):189

Serum thyroglobulin and its autoantibody following subtotal thyroid resection of Graves' disease. Feldt-Rasmussen U, et al. **Eur J Clin Invest** 1982 Jun;12(3):203–8

Radioimmunoassay of serum thyroglobulin. Technique and clinical results. Benita G, et al. **Eur J Nucl Med** 1981; 6(11):515–20

Serum thyroglobulin levels: the physiological decrease in infancy and the absence in athyroidism. Ket JL, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1301–3

Human cord blood concentrations of thyrotropin, thyroglobulin, and iodothyronines after maternal administration of thyrotropin-releasing hormone. Roti E, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):813–7

Sequential serum thyroglobulin determinations, 131I scans, and 131I uptakes after triiodothyronine withdrawal in patients with thyroid cancer. Schneider AB, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1199–206

Effect of therapy on serum thyroglobulin levels in patients with Graves' disease. Uller RP, et al. **J Clin Endocrinol Metab** 1978 May;46(5):747–55

Serum thyroglobulin in patients undergoing subtotal thyroidectomy for toxic and nontoxic goiter. Feldt-Rasmussen U, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):161–4

The value of serum thyroglobulin measurement as a marker of cancer recurrence in the follow-up of patients previously treated for differentiated thyroid tumor. Roti E, et al. **J Endocrinol Invest** 1982 Jan-Feb;5(1):43–6

Critical evaluation of serum thyroglobulin levels and I-131 scans in post-therapy patients with differentiated thyroid carcinoma: concise communication. Echenique RL, et al. **J Nucl Med** 1982 Mar;23(3):235–40

Radioimmunoassay of thyroglobulin in human serum: concentrations in normal subjects and in patients with thyroid disease. Roti E, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep;25(3):57–63

Thyroglobulin and thyroid cancer [letter] Black EG, et al. **Lancet** 1982 Apr 17;1(8277):914

Can thyroglobulin assay really supplant radioiodine scans in patients with differentiated thyroid cancer? [letter] Castagnoli A, et al. **Lancet** 1982 Mar 6;1(8271):573–4

Truth is stranger than factitious [editorial] Hamolsky MW. **N Engl J Med** 1982 Aug 12;307(7):436–7

Low serum thyroglobulin as a clue to the diagnosis of thyrotoxicosis factitia. Mariotti S, et al. **N Engl J Med** 1982 Aug 12;307(7):410–2

Thyroglobulin measurements in patient with thyroid cancer. Jackson GL. **Penn Med** 1982 May;85(5):36–7

Radioiodine total body scan versus serum thyroglobulin levels in follow-up of patients with thyroid cancer. Colacchio TA, et al. **Surgery** 1982 Jan;91(1):42–5

[Radioimmunoassay determination of thyroglobulin in human serum] Bednář J, et al. **Cesk Farm** 1981 Nov;30(9):294–9 (Eng. Abstr.) **(Cze)**

[Significance of thyroglobulin as a tumor marker in the serum of patients with differentiated thyroid carcinoma: longitudinal and cross-sectional studies (author's transl)] Schatz H, et al. **Klin Wochenschr** 1982 May 3;60(9):457–64 (18 ref.) (Eng. Abstr.) **(Ger)**

[Concentrations of thyroxine, triiodothyronine, reverse T3, thyrotropin and thyroglobulin in umbilical-cord and maternal blood] Roti E, et al. **Minerva Pediatr** 1981 Sep 15;33(17):843–6 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of measurement of human serum thyroglobulin and thyroid scintigraphy for differential diagnosis of thyroid nodules (author's transl)] Yamashita S, et al. **Kaku Igaku** 1981 Aug;18(7):935–9 (Eng. Abstr.) **(Jpn)**

[Human serum thyroglobulin and thyroid nodules (author's transl)] Yamashita S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jun 20;57(6):930–40 (Eng. Abstr.) **(Jpn)**

[Serum thyroglobulin and thyroid diseases (author's transl)] Izumi M, et al. **Rinsho Byori** 1982 Feb;30(2):126–37 (12 ref.) **(Jpn)**

GENETICS

Isolation and characterization of a fragment of rat thyroglobulin gene. Christophe D, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1166–75

Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. Scherberg NH, et al. **Endocrinology** 1981 Nov;109(5):1650–6

Cloning of four DNA fragments complementary to human thyroglobulin messenger RNA. Bergé-Lefranc JL, et al. **Eur J Biochem** 1981 Nov;120(1):1–7

Molecular cloning of the 8000-base thyroglobulin structural gene. Christophe D, et al. **Eur J Biochem** 1982 Mar 1; 122(3):461–9

In vitro synthesis of 300 00 Mr rat thyroglobulin subunit. Alvino CG, et al. **FEBS Lett** 1982 Jan 25;137(2):307–13

Cloning of human thyroglobulin complementary DNA. Brocas H, et al. **FEBS Lett** 1982 Jan 25;137(2):189–92

Nonfunctional thyroglobulin messenger RNA in goats with hereditary congenital goiter. de Vijlder JJ, et al. **J Mol Appl Gen** 1981;1(1):51–9

[Biosynthesis and secretion of thyroglobulin (author's transl)] Lissitzky S. **Ann Endocrinol (Paris)** 1981 Oct-Nov; 42(4–5):363–73 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological and clinical characterization of patients with untreated euthyroid and hypothyroid autoimmune thyroiditis. Antibody spectrum, response to TRH and clinical study. Scherbaum WA, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):373–81

The incidence of occult thyroid disease associated with thyroid antibodies identified on routine autoantibody screening. Tanner AR, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):31–5

Induced lymphocytic thyroiditis in dogs: effect of intrathyroidal injection of thyroid autoantibodies. Gosselin SJ, et al. **Am J Vet Res** 1981 Sep;42(9):1565–72

Autoantibodies to thyroglobulin cross reacting with iodothyronines. Pearce CJ, et al. **Clin Endocrinol (Oxf)** 1981 Jul;15(1):1–10

Production of human anti-thyroglobulin in vitro. III. The role of immunoglobulin-bearing cells. Beall GN, et al. **Clin Exp Immunol** 1981 Jul;45(1):56–63

Humoral and cellular immune response to thyroglobulin in different inbred rat strains. Lillehoj HS, et al. **Clin Exp Immunol** 1982 Mar;47(3):661–9

A transient monoclonal human IgG1 kappa protein with anti-thyroglobulin activity: lack of cross-idiotypy with polyclonal anti-thyroglobulin antibodies. Michaelsen TE, et al. **Clin Exp Immunol** 1981 Nov;46(2):268–76

An investigation of the clonality of human autoimmune thyroglobulin antibodies and their light chains. Nye L, et al. **Clin Exp Immunol** 1981 Oct;46(1):161–70

Autoimmune thyroiditis: conversion of low-responder mice to high-responders by cyclophosphamide. Vladutiu AO. **Clin Exp Immunol** 1982 Mar;47(3):683–8

Thyroid antibodies are produced by thyroid-derived lymphocytes. Weetman AP, et al. **Clin Exp Immunol** 1982 Apr;48(1):196–200

Allogeneic effect on induction of thyroglobulin antibodies and thyroid lesions in mice. Vladutiu AO. **Experientia** 1981 Jul 15;37(7):778–80

Gene(s) at I-A subregion controls the autoimmune response to thyroglobulin in mice. Vladutiu AO, et al. **Immunol Commun** 1981;10(4–5):341–7

Studies of thyroglobulin autoantibody synthesis using a micro-ELISA assay. McLachlan SM, et al. **Immunol Lett** 1982 Jan;4(1):27–33

Production of human antithyroglobulin in vitro, IV. Specific stimulation by antigen. Beall GN. **J Clin Endocrinol Metab** 1982 Jan;54(1):1–5

A specific plaque-forming cell assay for human thyroglobulin antibody-secreting immunocytes. Weiss I, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):282–5

The correlation between the results of tests for thyroid autoantibodies to cell surface and microsomal antigens and to thyroglobulin. Butler S, et al. **J Clin Lab Immunol** 1981 Nov;6(3):237–9

A simple micro-ELISA method for the assay of antithyroglobulin autoantibodies in human serum. Goodburn R, et al. **J Clin Pathol** 1981 Sep;34(9):1026–31

Changes of circulating thyroid autoantibody levels during and after the therapy with methimazole in patients with Graves' disease. Marcocci C, et al. **J Endocrinol Invest** 1982 Jan-Feb;5(1):13–9

Adoptive transfer of experimental autoimmune thyroiditis (EAT) with in vitro activated lymph node cells from thyroglobulin-sensitized guinea pigs: characterization of the cell that transfers EAT. Braley-Mullen H, et al. **J Immunol** 1981 Nov;127(5):1767–71

Use of plaque assays to study thyroglobulin autoantibody synthesis by human peripheral blood lymphocytes. McLachlan SM, et al. **Scand J Immunol** 1981;14(3):233–42

Serum antithyroglobulin and anti-thyroid microsomal antibody titres in thyroid disorders. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):67–77

[Thyroglobulin immunohistochemistry: new aspects of pathophysiology and differential diagnosis of benign and malignant goitre (author's transl)] Dralle H, et al. **Langenbecks Arch Chir** 1982;356(3):205–12 (Eng. Abstr.) **(Ger)**

[Studies on anti-thyroglobulin antibody formation in chronic thyroiditis. 1. In vitro detection of anti-thyroglobulin antibody forming cells from lymphocytes of patients and analysis of their regulation (author's transl)] Noma T, et al. **Arerugi** 1981 Dec;30(12):1132–8 (Eng. Abstr.) **(Jpn)**

[Measurement of antithyroglobulin antibodies by immunoradiometric assay and its clinical significance (author's transl)] Konishi J, et al. **Kaku Igaku** 1981 Feb; 18(1):109–16 **(Jpn)**

[The relationship between the number of anti-thyroglobulin antibody forming cells from the cultured peripheral lymphocytes and the serum antibody titers in patients with chronic thyroiditis (author's transl)] Noma T, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):1–8 (Eng. Abstr.) **(Jpn)**

[Measurement of circulating thyroglobulin antithyroglobulin immune complex in thyroid diseases and its clinical implication (author's transl)] Endo Y, et al. **Rinsho Byori** 1982 Feb;30(2):138–44 **(Jpn)**

ISOLATION & PURIFICATION

Thyroglobulin structure-function. Isolation and characterization of a thyroxine-containing polypeptide from bovine thyroglobulin. Chernoff SB, et al. **J Biol Chem** 1981 Sep 25;256(18):9425–30

METABOLISM

Experimental conditions leading to a low degree of thyroglobulin iodination without loss in coupling efficiency. Kohler H, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):36–40

Susceptibility to proteolysis of thyroglobulin from rats and guinea-pigs treated with excess iodide. Sinadinović J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):232–8

Glycosylation of thyroglobulin and response to thyrotropin of human cultured thyroid cells. Tanini A, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1573–8

The interaction of cultured thyroid cells of early bovine embryos with thyrotropin and thyroglobulin. Avivi A, et al. **Endocrinology** 1982 Aug;111(2):589–98

Thyroglobulin degradation by thyroidal proteases: action of thiol endopeptidases in vitro. Dunn AD, et al. **Endocrinology** 1982 Jul;111(1):290–8

Thyroglobulin degradation by thyroidal proteases: action of purified cathepsin D. Dunn AD, et al. **Endocrinology** 1982 Jul;111(1):280–9

Preferential inhibition of thyroxine and 3,5,3'-triiodothyronine formation by propylthiouracil and methylmercaptoimidazole in thyroid peroxidase-catalyzed iodination of thyroglobulin. Engler H, et al. **Endocrinology** 1982 Jan;110(1):190–7

The role of lactoperoxidase-H2O2 compounds in the catalysis of thyroglobulin iodination and thyroid hormone synthesis. Courtin F, et al. **Eur J Biochem** 1982 Jun; 124(3):603–9

Thyroid hormone synthesis and reactivity of hormone-forming tyrosine residues of thyroglobulin. Maurizis JC, et al. **FEBS Lett** 1981 Sep 14;132(1):29–32

Thyroglobulin interactions with thyroid membranes. Relationship between receptor recognition of N-acetylglucosamine residues and the iodine content of thyroglobulin preparations. Consiglio E, et al. **J Biol Chem** 1981 Oct 25;256(20):10592–9

Favored sites for thyroid hormone formation on the peptide chains of human thyroglobulin. Dunn JT, et al. **J Biol Chem** 1982 Jan 10;257(1):88–94

Bovine thyroglobulin. 27 S iodoprotein interactions with thyroid membranes and formation of a 27 S iodoprotein in vitro. Shifrin S, et al. **J Biol Chem** 1982 Aug 25; 257(16):9539–47

Binding of thyroglobulin to bovine thyroid membranes. Role of specific amino acids in receptor recognition. Shifrin S, et al. **J Biol Chem** 1981 Oct 25;256(20):10600–5

Reaccumulation of thyroglobulin and colloid in rat and mouse thyroid follicles during intense thyrotropin stimulation. A clue to the pathogenesis of colloid goiters. Gerber H, et al. **J Clin Invest** 1981 Nov;68(5):1338–47

Iodination of thyroglobulin. An intracellular or extracellular process? Ekholm R. **Mol Cell Endocrinol** 1981 Nov; 24(2):141–63 (128 ref.)

[Reaccumulation of colloids in the thyroid during chronic

stimulation with thyrotropin] Sinadinović J, et al. **Srp Arh Celok Lek** 1981 Apr;109(4):479–91 (Eng. Abstr.) **(Scc)**

PHARMACODYNAMICS

Thyrotropin binding and adenylate cyclase activation in normal and neoplastic human thyroid tissue: lack of effect of thyroglobulin. Clark CH, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1157–63

THYROGLOSSAL CYST

COMPLICATIONS

[Papillary carcinoma of the thyroid gland in the thyroglossal duct: report of one patient (author's transl)] Carreño R, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):244–5 (Eng. Abstr.) **(Spa)**

CONGENITAL

Neck masses of congenital origin. Pounds LA. **Pediatr Clin North Am** 1981 Nov;28(4):841–4

[Epidermoid carcinoma in a median congenital cyst of the neck : a case report and literature review (author's transl)] Houissa S, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(12):653–6 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

[Cancer of the root of the tongue developing from thyroglossal duct residues] Matiakin EG, et al. **Stomatologiia (Mosk)** 1981;60(4):71 **(Rus)**

PATHOLOGY

Thyroglossal cysts--a review of 39 cases. Chellappa M, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):413–4

Thyroglossal duct carcinoma [letter] Blum M, et al. **JAMA** 1982 Aug 27;248(8):924

A thyroglossal cyst lined by gastric epithelium [letter] Chandrasoma P, et al. **JAMA** 1982 Mar 12;247(10):1406

Squamous cell carcinoma arising in thyroglossal duct remnant cyst epithelium. White IL, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):25–31

Thyroglossal duct carcinoma. A case report and review of the literature. Villet WT, et al. **S Afr Med J** 1981 Nov 14;60(20):795–6

[Recurrence of cysts of the thyroglossal duct in children] Horvath Y, et al. **J Fr Otorhinolaryngol** 1981 Sep; 30(7):437–9 **(Fre)**

SURGERY

Hypothyroidism following removal of a 'thyroglossal duct cyst'. Conklin WT, et al. **Plast Reconstr Surg** 1981 Dec; 68(6):930–2

[Medial cysts and fistulas of the neck in children] Cvetković S, et al. **Srp Arh Celok Lek** 1981 Sep;109(9):1199–1206 **(Scc)**

THYROID ANTAGONISTS

[Goitrogens of vegetable origin as possible aetiological factors in endemic goiter (author's transl)] Ermans AM. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):435–8 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

[Thyreostatic monotherapy of hyperthyroidism] Wenzel KW. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):990–3 **(Ger)**

ADVERSE EFFECTS

[Clinical approach to the treatment and adverse side-effects of antithyroid drugs (author's transl)] Banovac K, et al. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):443–6 (Eng. Abstr.) **(Scr)**

METABOLISM

Clinical pharmacokinetics of antithyroid drugs. Kampmann JP, et al. **Clin Pharmacokinet** 1981 Nov–Dec;6(6):401–28 (115 ref.)

Antithyroid drugs in breast milk [letter] Hull RL. **Drug Intell Clin Pharm** 1982 Jan;16(1):65

Pharmacokinetics of antithyroid drugs. Benker G, et al. **Klin Wochenschr** 1982 Jun 1;60(11):531–9 (85 ref.)

[Metabolism of thioureylene antithyroid drugs--particularly with relationship between intrathyroidal metabolism of the drugs and the mechanisms of action (author's transl)] Nakashima T. **Rinsho Byori** 1982 Feb;30(2):170–8 (16 ref.) **(Jpn)**

PHARMACODYNAMICS

The inhibition of trimethylamine oxidation in the domestic fowl (Gallus domesticus) ay antithyroid compounds. Pearson AW, et al. **Comp Biochem Physiol [C]** 1981; 69(2):307–12

Reactions of purified hog thyroid peroxidase with H_2O_2, tyrosine, and methylmercaptoimidazole (goitrogen) in comparison with bovine lactoperoxidase. Ohtaki S, et al. **J Biol Chem** 1982 Jan 25;257(2):761–6

Inhibition of immunoglobulin-secreting cells by antithyroid drugs. Weiss I, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1223–8

THERAPEUTIC USE

Prognostic value of thyrotrophin binding inhibiting immunoglobulins (TBII) in longterm antithyroid treatment, 131I therapy given in combination with carbimazole and in euthyroid ophthalmopathy. Bliddal H, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):364–9

131I treatment of diffuse and nodular toxic goitre with or without antithyroid agents. Bliddal H, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):517–21

Laboratory tests for evaluating thyroid therapy. Kabadi UM. **Am Fam Physician** 1982 Sep;26(3):183–8

Alterations in serum HDL and LDL cholesterol during antithyroid treatment. Lopatyński J, et al. **Endokrynol Pol** 1982;32(5):415–25

Treatment of hyper- and hypothyroidism. McDougall IR. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9):365–84 (138 ref.)

Thyroid hormones and antithyroid drugs. Rosychuk RA. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):111–48 (128 ref.)

[Results of treatment of Graves' disease by antithyroid drugs. Report of 90 cases (author's transl)] Duprey J, et al. **Ann Endocrinol (Paris)** 1981 Jul–Sep;42(3):233–49 (Eng. Abstr.) **(Fre)**

[Hyperthyroidism in children (author's transl)] Lorini R, et al. **Pediatr Med Chir** 1981 Jan–Feb,3(1):41–4 (Eng. Abstr.) **(Ita)**

[Hyperthyroidism and pregnancy] Martínez Martín MA, et al. **Rev Clin Esp** 1981 Nov 15;163(3):163–8 (Eng. Abstr.) **(Spa)**

TOXICITY

Hepatic effects of R-goitrin in Sprague-Dawley rats. Nishie K, et al. **Food Chem Toxicol** 1982 Jun;20(3):279–87

THYROID CARTILAGE see under **LARYNGEAL CARTILAGES**

THYROID CRISIS

DIAGNOSIS

Series on endocrine-metabolic emergencies: IV. Thyroid storm. Hamburger S, et al. **J Am Med Wom Assoc** 1981 Aug;36(8):259–61

DRUG THERAPY

Propranolol in thyroid storm with simultaneous Addisonian crisis. De Cock KM, et al. **East Afr Med J** 1981 May; 58(5):364–7

ETIOLOGY

Thyrotoxic crisis following eclampsia and induction of labour. Menon V, et al. **Postgrad Med J** 1982 May; 58(679):286–7

[Open heart surgery for the patients with hyperthyroidism (author's transl)] Aoyagi S, et al. **Kyobu Geka** 1982; 35(2):140–5 (Eng. Abstr.) **(Jpn)**

THERAPY

[Post-operative thyroid storm treated by plasmapheresis (author's transl)] Martin C, et al. **Anesth Analg (Paris)** 1982; 38(11–12):713–5 (Eng. Abstr.) **(Fre)**

[Treatment of experimental thyroid crisis by hemosorption] Neĭmark MI. **Anesteziol Reanimatol** 1981 Jul–Aug;(4):50–2 (Eng. Abstr.) **(Rus)**

[Clinical death in thyroid crisis with successful resuscitation] Taranin EI, et al. **Anesteziol Reanimatol** 1981 May–Jun; (3):70–1 **(Rus)**

THYROID DISEASES

Prescribing in pregnancy. Thyroid disease. Burr WA. **Clin Obstet Gynaecol** 1981 Aug;8(2):341–51

Thyroid dysfunction in pregnancy. Selenkow HA. **Compr Ther** 1982 Jun;8(6):27–36 (21 ref.)

Childhood thyromegaly: recent developments. Reiter EO, et al. **J Pediatr** 1981 Oct;99(4):507–18 (81 ref.)

BLOOD

Serum thyroglobulin measurement in various thyroidal disorders. Osotimehin B, et al. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):89–95

Triiodothyronine--binding immunoglobulin in a euthyroid patient. Pudek MR, et al. **Clin Biochem** 1981 Jun; 14(3):142–5

An equilibrium free thyroxin immunoassay [letter] Hertl W, et al. **Clin Chem** 1982 Jul;28(7):1709–10

Free thyroxin in thyroid disease [letter] Mullinger RN, et al. **Clin Chem** 1982 Jun;28(6):1394–5

Peripheral resistance to thyroid hormone in an infant. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1981 Nov; 53(5):958–63

Radioimmunoassay of thyroglobulin in human serum: concentrations in normal subjects and in patients with thyroid disease. Roti E, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep;25(3):57–63

Autonomous thyroid nodules in adolescents: clinical characteristics and results of TRH testing. Osburne RC, et al. **J Pediatr** 1982 Mar;100(3):383–6

Free thyroxine, thyroxine/TBG ratio and other in vitro tests of thyroid function evaluated by discriminant analysis. Rootwelt K, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):483–91

Foetal haemoglobin in patients with thyroid disorders. Davidson RJ, et al. **Scand J Haematol** 1981 Aug; 27(2):130–4

[Concentrations of the main lipoprotein density classes in disturbances of thyroid function in man (author's transl)] Lisch HJ, et al. **Klin Wochenschr** 1982 Apr 1;60(7):337–42 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of serum free T4 in patients with low Ts syndrome and pregnant patients with thyroid diseases (author's transl)] Izumi M, et al. **Horumon To Rinsho** 1982 Jan;30(1):35–8 **(Jpn)**

[Clinical studies on radioimmunoassay of free thyroxine (author's transl)] Konishi J, et al. **Horumon To Rinsho** 1982 Jan;30(1):15–20 **(Jpn)**

[Human serum thyroglobulin and thyroid nodules (author's transl)] Yamashita S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jun 20;57(6):930–40 (Eng. Abstr.) **(Jpn)**

[The fundamental studies of Tri-Tab RIA Kit (author's transl)] Imazeki K, et al. **Radioisotopes** 1981 Apr; 30(4):226–9 **(Jpn)**

[Serum thyroglobulin and thyroid diseases (author's transl)] Izumi M, et al. **Rinsho Byori** 1982 Feb;30(2):126–37 (12 ref.) **(Jpn)**

[T- and B-lymphocyte count of thyroid pathology patients] Epishin AV. **Probl Endokrinol (Mosk)** 1982 Mar–Apr; 28(2):26–30 (Eng. Abstr.) **(Rus)**

[Isoelectric spectra of blood serum albumin in patients with disturbed thyroid gland function and nephrotic syndrome] Selivanova KF, et al. **Ukr Biokhim Zh** 1981 Jul–Aug; 53(4):19–25 (Eng. Abstr.) **(Rus)**

[Blood plasma content of hormones and carcinoembryonic antigen in tumorous and nontumorous disease of the thyroid] Ivanov PK, et al. **Vopr Onkol** 1982;28(4):29–34 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Transient thyroid suppression associated with topically applied povidone-iodine. Lyen KR, et al. **Am J Dis Child** 1982 Apr;136(4):369–70

[Thyroid cyst, parathyroid adenoma and lithium therapy (author's transl)] Brion S, et al. **Encephale** 1981;7(5):645–8 (Eng. Abstr.) **(Fre)**

[Modifications and surveillance of thyroid tests during treatment with amiodarone] Lambert M, et al. **Ther Umsch** 1982 Feb;39(2):114–6 (Eng. Abstr.) **(Fre)**

[Thyroid function and amiodarone: difficulties in the diagnosis and treatment (author's transl)] Wemeau JL, et al. **Therapie** 1982 Jan–Feb;37(1):95–102 (Eng. Abstr.) **(Fre)**

[Possible interference of synthetic estroprogestins with thyroid hormone production] Paggi A, et al. **Clin Ter** 1981 Aug 31;98(4):349–63 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Autoimmune thyroid disease and pregnancy. Davies TF, et al. **Am J Reprod Immunol** 1981 Aug;1(4):187–92 (78 ref.)

Tracheal or esophageal compression due to benign thyroid disease. Alfonso A, et al. **Am J Surg** 1981 Sep;142(3):350–4

Thyroid disease in progressive systemic sclerosis: increased frequency of glandular fibrosis and hypothyroidism. Gordon MB, et al. **Ann Intern Med** 1981 Oct;95(4):431–5

Diplopia in autoimmune thyroid disease. Appen RE, et al. **Arch Intern Med** 1982 May;142(5):898–901

Clinical and subclinical thyroid disorders associated with pernicious anemia. Observations on abnormal thyroid-stimulating hormone levels and on a possible association of blood group O with hyperthyroidism. Carmel R, et al. **Arch Intern Med** 1982 Aug;142(8):1465–9

Thyroid function screening in new psychiatric admissions. Morley JE, et al. **Arch Intern Med** 1982 Mar;142(3):591–3

Thyroid acropachy complicated by lymphatic obstruction. Rothschild BM, et al. **Arthritis Rheum** 1982 May; 25(5):588–90

Thyroid disease and breast cancer: findings in a large case-control study. Kalache A, et al. **Br J Surg** 1982 Jul; 69(7):434–5

Hypertension associated with diabetes mellitus, hypercalcaemic disorders, acromegaly and thyroid disease. Sowers JR, et al. **Clin Endocrinol Metab** 1981 Nov; 10(3):631–56 (120 ref.)

A case-control study of pancreatic carcinoma. Haines AP, et al. **J Cancer Res Clin Oncol** 1982;103(1):93–7

Autonomously functioning thyroid nodule and medullary carcinoma [letter] van der Vis-Melsen MJ, et al. **J Nucl Med** 1981 Oct;22(10):929–30

Thyroid dysfunction and rheumatic diseases. Delamere JP, et al. **J R Soc Med** 1982 Feb;75(2):102–6

Thyroid disease in young diabetics [letter] Boucher BJ. **Lancet** 1982 Oct 2;2(8301):774–5

Nervous system role of iodocompounds in blood pressure regulation. Dratman MB, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):611–8

The surgical management of thyroid-related upper eyelid retraction. Dixon R. **Ophthalmology (Rochester)** 1982 Jan; 89(1):52–7

The use of sclera in the treatment of dysthyroid eyelid retraction. Doxanas MT, et al.
Ophthalmology (Rochester) 1981 Sep;88(9):887–94

Hyperparathyroidism and thyroid disease. A study of their association. Stoffer SS, et al. **Postgrad Med** 1982 Jun; 71(6):91–4

Menstrual disorders and mild thyroid insufficiency: intriguing cases suggesting an association. Stoffer SS.
Postgrad Med 1982 Aug;72(2):75–7, 80–2

Thyroid carcinoma in an autonomously hyperfunctioning thyroid nodule. Khan O, et al. **Postgrad Med J** 1981 Mar; 57(665):172–5

The Montgomery Lecture, 1980. Endocrine ophthalmopathy. Bouzas AG. **Trans Ophthalmol Soc UK** 1980;100(4):511–20 (55 ref.)

[Tuberculous granuloma in an amyloid goiter secondary to multiple myeloma] Martínez Vea A, et al. **Rev Clin Esp** 1981 Sep 30;162(6):283–5 **(Spa)**

DIAGNOSIS

X-ray-fluorescence determination of stable iodine in the thyroid gland. A review. Jonckheer MH, et al.
Acta Clin Belg 1982;37(1):30–40

The thyroid nodule. Klonoff DC, et al. **Adv Intern Med** 1982; 27:101–26 (130 ref.)

Asymptomatic thyroid nodules: incidental sonographic detection. Carroll BA. **AJR** 1982 Mar;138(3):499–501

Prevalence of abnormal thyroid function test results in patients with acute medical illnesses. Kaplan MM, et al. **Am J Med** 1982 Jan;72(1):9–16

Needle biopsy in the assessment and management of hypofunctioning thyroid nodules. Goldfarb WB, et al.
Am J Surg 1982 Apr;143(4):409–12

Solid thyroid nodules. Perry HA. **Am Surg** 1982 Apr; 48(4):170–4

The thyroid nodule. **Ann Intern Med** 1982 Feb;96(2):221–32

Effectiveness of analysis of free thyroxin concentration in serum for diagnosis of covert thyroid disease. Symons RG, et al. **Clin Chem** 1982 Feb;28(2):266–70

Thyroxine binding globulin (TBG) and thyroxine binding prealbumin (TBPA) measurement, compared with the conventional T3 uptake in the diagnosis of thyroid disease. Litherland PG, et al. **Clin Chim Acta** 1982 Jul 15; 122(3):345–52

Measurement of free thyroid hormones in thyroid disease [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1982 Feb; 16(2):211–3

Combined nuclear medicine and ultrasound studies in the evaluation of suppressed thyroid tissue. Cornelius EA.
Clin Nucl Med 1982 Jan;7(1):8–9

Confronting the three most common medical problems of long-term illness. Bulmash JM. **Geriatrics** 1981 Dec; 36(12):79–85

Office management of thyroid nodules in the elderly. Miller JM. **Geriatrics** 1981 Sep;36(9):49–51, 54

Testing your older patient's thyroid function. Walfish PG, et al. **Geriatrics** 1982 Jan;37(1):135–50

The impact of needle biopsy on the preoperative diagnosis of thyroid nodules. Miller JM, et al.
Henry Ford Hosp Med J 1980;28(2–3):145–8

Thyroid function and disease in the elderly. Blum M.
Hosp Pract 1981 Oct;16(10):105–8, 110, 113 passim (0 ref.)

Fine needle aspiration and lesions of the thyroid. Block MA.
Int Adv Surg Oncol 1982;5:1–27

Solitary thyroid nodules in children and adolescents. Hung W, et al. **J Pediatr Surg** 1982 Jun;17(3):225–9

Evaluation of euthyroid solitary. Autonomous nodule of the thyroid gland. Importance of scintillation scanning and thyrotropin-releasing hormone testing. Blum M, et al.
JAMA 1982 Apr 9;247(14):1991–3

The thyroid nodule. Elias EG. **Md State Med J** 1981 Jul; 30(7):39–45 (42 ref.)

Post-partum thyroid dysfunction [letter] **N Engl J Med** 1982 Oct 14;307(16):1024–5

An improvised water-bath for simplified thyroid sonography. Britten JS. **Radiography** 1982 Feb;48(566):33–4

Ultrasound examination of the thyroid. Swaenepoel L, et al. **ROFO** 1982 Jul;137(1):12–7

Screening for thyroid disorders in middle-aged women by computer-assisted evaluation of a thyroid hormone panel. Kägedal B, et al. **Scand J Clin Lab Invest** 1981 Jun; 41(4):403–8

An approach to diagnosis and management of thyroid nodules. Lovrien F, et al. **SD J Med** 1981 Dec;34(12):5–11

Fine-needle aspiration versus drill-needle biopsy of thyroid nodules: a controlled clinical trial. Boey J, et al.
Surgery 1982 Jun;91(6):611–5

Fine needle aspiration cytology in thyroid disease. Huang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep; 80(9):902–8

Ultrasonic diffraction scanning of the thyroid. Merton J, et al. **Ultrasound Med Biol** 1982;8(2):145–53

[Preliminary evaluation of the differential diagnosis between malignant and benign thyroid nodules by radionuclide scanning and B-mode ultrasound (author's transl)] Cai QQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar;3(1):27–30 **(Chi)**

[Effect of synthetic thyrotropin releasing hormone in children and adolescents with thyroid diseases] Hníková O, et al. **Cesk Pediatr** 1981 Sep;36(9):545–7 (Eng. Abstr.) **(Cze)**

[Are scintigraphy and echography of the thyroid supplementary examination methods?] de Haas G, et al. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):365–71 (Eng. Abstr.) **(Dut)**

[Fine-needle aspiration (F.N.A.) of thyroid cold nodules (author's transl)] Gaham N, et al.
Ann Endocrinol (Paris) 1981 Dec;42(6):543–4 (Eng. Abstr.) **(Fre)**

[Interest of echography in thyroidal disease (author's transl)] Carlier L, et al. **J Belge Radiol** 1981;64(4):327–37 (Eng. Abstr.) **(Fre)**

[Misdiagnoses and mismanagement in thyroid diseases (author's transl)] Wenzel KW, et al.
Dtsch Med Wochenschr 1981 Nov 13;106(46):1526–32 (Eng. Abstr.) **(Ger)**

[Echographic diagnosis in diseases of the thyroid and parathyroid] Lorenz D, et al. **Rontgenpraxis** 1981; 34(8):315–23 **(Ger)**

[Thyroid other endocrine and disorders in a general internal medicine group practice] Ruefli P, et al.
Schweiz Med Wochenschr 1982 Apr 24;112(17):594–9 (Eng. Abstr.) **(Ger)**

[Laboratory methods in the diagnosis of thyroid diseases: quality control, investigation of underlying factors and extent of influence] Horn K, et al.
Verh Dtsch Ges Inn Med 1981;87:382–8 **(Ger)**

[Sarcoidosis of the thyroid gland] Kleinau W, et al.
Zentralbl Chir 1980;105(15):990–3 **(Ger)**

[Nuclear medicine of the thyroid (author's transl)] Kinoshita F. **Radioisotopes** 1982 Jan;31(1):44–54 (42 ref.) **(Jpn)**

[Ultrasonic examination of the thyroid gland (author's transl)] Okuaki K, et al. **Rinsho Byori** 1981;29(10):980–4 **(Jpn)**

[Diagnostic value of hypophyseal stimulation by the thyreoliberin test] Sobieszczyk S. **Pol Arch Med Wewn** 1982 Mar;67(3):113–9 (26 ref.) **(Pol)**

[Use of scintigraphy and ultrasonography in thyroid diseases] Serson D, et al. **Rev Paul Med** 1981 Jul–Sep;97(7–9):121–4 (Eng. Abstr.) **(Por)**

[Current status of the diagnosis of nontumor thyroid diseases] Zubovskiĭ GA. **Med Radiol (Mosk)** 1981 Aug;26(8):80–3 **(Rus)**

[Roentgenomorphological correlates in thyroid diseases (based on thyroidolymphographic data)] Tochilin AV.
Probl Endokrinol (Mosk) 1981 Sep–Oct;27(5):14–6 (Eng. Abstr.) **(Rus)**

[Modern diagnosis of endocrine and metabolic disorders] Kovač T, et al. **Med Pregl** 1981;34(11–12):525–39 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Elevated serum thyroxine concentration in patients receiving 'replacement' doses of levothyroxine. Ingbar JC, et al.
J Endocrinol Invest 1982 Mar–Apr;5(2):77–85

Drugs used in metabolic disorders. Sutton JR.
Med Sci Sports Exerc 1981;13(4):266–71 (31 ref.)

ENZYMOLOGY

Cytochemical investigations of phagocytes in thyroid gland cysts. Budde R, et al. **Anal Quant Cytol** 1982 Mar; 4(1):25–32

Catecholamine-thyroid hormone interactions: II. Thyroid hormone and platelet MAO activity in patients with thyroid disorders. Young JG, et al. **Schizophr Bull** 1982; 8(2):301–5

ETIOLOGY

Unexpected parathyroid disease discovered at thyroidectomy in irradiated patients. Prinz RA, et al. **Am J Surg** 1981 Sep;142(3):355–7

Thyroid nodules after high-dose external radiotherapy. Fine-needle aspiration cytology in diagnosis and management. Pretorius HT, et al. **JAMA** 1982 Jun 18; 247(23):3217–20

[Thyroid disorders during sarcoidosis (author's transl)] Hugues JN, et al. **Ann Med Interne (Paris)** 1981; 132(6):367–71 (Eng. Abstr.) **(Fre)**

[Chronic alcoholic liver diseases in women. Thyroid and gonadal function studies] Hugues JN, et al.
Med Chir Dig 1981;10(8):681–3 **(Fre)**

FAMILIAL & GENETIC

Familial elevations of total and free thyroxine in healthy, euthyroid subjects without detectable binding protein abnormalities. Maxon HR, et al.
Acta Endocrinol (Copenh) 1982 Jun;100(2):224–30

Familial thyroid hormone resistance. Cooper DS, et al.
Metabolism 1982 May;31(5):504–9

Familial insensitivity of the pituitary and periphery to thyroid hormone: a case report in two generations and a review of the literature. Linde R, et al. **Metabolism** 1982 May; 31(5):510–3 (19 ref.)

IMMUNOLOGY

The incidence of occult thyroid disease associated with thyroid antibodies identified on routine autoantibody screening. Tanner AR, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):31–5

Pathogenesis of autoimmune thyroid disease: some facts and some speculation [editorial] Strakosch CR, et al.
Can Med Assoc J 1982 Jan 1;126(1):10–1

The involvement of the pentose shunt in thyroid metabolism after stimulation with TSH or with immunoglobulins from patients with thyroid disease. II. The reoxidation of NADPH and stimulation of hormone synthesis. Drexhage HA, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):57–63

Development of adrenocortical failure in non-Addisonian patients with antibodies to adrenal cortex. A clinical follow-up study. Scherbaum WA, et al.
Clin Endocrinol (Oxf) 1982 Apr;16(4):345–52

Presence of the organ-specific 'microsomal' autoantigen on the surface of human thyroid cells in culture: its involvement in complement-mediated cytotoxicity. Khoury EL, et al. **Clin Exp Immunol** 1981 Aug; 45(2):316–28

Blood mononuclear cells with suppressor activity in patients with thyroid disorders: increased levels of T gamma cells in subacute thyroiditis. Wall JR, et al.
J Clin Lab Immunol 1981 Sep;6(2):115–9

Leukocyte migration test (LMT) in patients with thyroid disease: the response to human thyroid subcellular fractions. Galluzzo A, et al. **J Endocrinol Invest** 1981 Apr–Jun; 4(2):173–6

Immunofluorescent autoantibodies in thyroid diseases. Vichayanrat A, et al. **J Med Assoc Thai** 1982 Apr; 65(4):176–83

Thyroid disease in young diabetics [editorial] **Lancet** 1982 Jun 5;1(8284):1285–6

Immunological aspects of autoimmune thyroid disease. Volpé R. **Prog Clin Biol Res** 1981;74:1–27 (99 ref.)

Serum antithyroglobulin and anti-thyroid microsomal antibody titres in thyroid disorders. Chang TC, et al.
Taiwan I Hsueh Hui Tsa Chih 1982 Jan;81(1):67–77

[Immunological aspects of auto-immune thyroid diseases (author's transl)] Volpé R. **Ann Endocrinol (Paris)** 1981 Jul–Sep;42(3):169–94 (98 ref.) (Eng. Abstr.) **(Fre)**

[Thyroid autoimmunity] Orgiazzi J.
Ann Med Interne (Paris) 1982;133(4):233–7 **(Fre)**

[Studies on precipitating antibodies to solubilized thyroid membrane antigens by gel immunodiffusion in autoimmune thyroid diseases (author's transl)] Hirakawa S.
Nippon Naibunpi Gakkai Zasshi 1981 Jun 20;57(6):920–9 (Eng. Abstr.) **(Jpn)**

[Measurement of circulating thyroglobulin antithyroglobulin immune complex in thyroid diseases and its clinical implication (author's transl)] Endo Y, et al.
Rinsho Byori 1982 Feb;30(2):138–44 **(Jpn)**

[Detection of circulating immune complexes in various thyroid diseases and its clinical evaluation (author's transl)] Eto S. **Rinsho Byori** 1982 Feb;30(2):145–9 **(Jpn)**

[Cell-mediated immunity in autoimmune thyroid diseases—evidence of defective antigen specific suppressor T-lymphocyte (author's transl)] Okita N, et al.
Rinsho Byori 1982 Feb;30(2):150–7 **(Jpn)**

[Clinical importance of the leukocyte migration inhibition test in thyroid diseases] Levit ID, et al.
Probl Endokrinol (Mosk) 1981 Sep–Oct;27(5):12–6 (Eng. Abstr.) **(Rus)**

[Autoimmunity indices in thyroid diseases] Starkova NT, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):21–6 **(Rus)**

METABOLISM

The diagnostic value of flow cytometric DNA measurements in selected disorders of the human thyroid. Johannessen JV, et al. **Am J Clin Pathol** 1982 Jan;77(1):20–5

C-cell hyperplasia developing in residual thyroid following resection for sporadic medullary carcinoma. Ulbright TM, et al. **Cancer** 1981 Nov 1;48(9):2076–9

Levels of Immunoreactive dynorphin in brain and pituitary of hyperthyroid and hypothyroid rats. Morley JE, et al.
Eur J Pharmacol 1982 Feb 19;78(1):125–7

Nuclear binding of [125I]triiodothyronine in dispersed cultured skin fibroblasts from patients with resistance to thyroid hormone. Eil C, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):502–10

[Prolactin secretion in diseases of the thyroid] Staikova A.
Vutr Boles 1982;21(2):18–24 (94 ref.) **(Bul)**

OCCURRENCE

Carcinoembryonic antigen assay in thyroid screening. Shimaoka K, et al. **J Cancer Res Clin Oncol** 1982; 103(1):99–103

Geographic pathology of thyroid diseases. Hedinger C.
Pathol Res Pract 1981 May;171(3–4):285–92

PATHOLOGY

Cancer in cystic lesions of the thyroid. Hammer M, et al.
Arch Surg 1982 Aug;117(8):1020–3

Clinics in endocrinology and metabolism.
Clin Endocrinol Metab 1981 Jul;10(2):233–394

Pathology of the cold nodule. Brown CL.
Clin Endocrinol Metab 1981 Jul;10(2):235–45

Needle biopsy pathology. Vickery AL Jr.
Clin Endocrinol Metab 1981 Jul;10(2):275–92

Management of thyroid disease based on needle biopsy pathology. Wang CA. **Clin Endocrinol Metab** 1981 Jul; 10(2):293–8

The role of fine-needle aspiration cytology in the management of thyroid disease. Willems JS, et al.
Clin Endocrinol Metab 1981 Jul;10(2):267–73

Fine-needle aspiration cytology in thyroid disease. Willems JS, et al. **Clin Endocrinol Metab** 1981 Jul;10(2):247–66

Fine needle aspiration of the thyroid–review of a valuable diagnostic technique. Walts AE. **Clin Otolaryngol** 1982 Jun; 7(3):205–14 (23 ref.)
Cytopathology of thyroid nodules. Kini SR, et al. **Henry Ford Hosp Med J** 1982;30(1):17–24
Involvement of the thyroid gland in histiocytosis X. Teja K, et al. **Hum Pathol** 1981 Dec;12(12):1137–9
Surface features in human thyroid disorders. A scanning electron microscopic study of ninety five cases. Sobrinho-Simões M, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):187–202
Thyroid and parathyroid diseases. Forman BH, et al. **Otolaryngol Clin North Am** 1981 May;14(2):405–22
Histopathologic differential diagnosis of the thyroid. Livolsi VA, et al. **Pathol Annu** 1981;16(Pt 2):357–406 (235 ref.)
Reevaluation of needle aspiration cytology in detection of thyroid cancer. Rosen IB, et al. **Surgery** 1981 Oct; 90(4):747–56
[Fine-needle aspiration in the diagnosis of thyroid nodular lesions (author's transl)] Shen ZZ. **Chung Hua Nei Ko Tsa Chih** 1982 Feb;21(2):81–4 **(Chi)**
[Cytologic diagnosis of the thyroid disease by fine needle aspiration biopsy (author's transl)] Toriya K. **Horumon To Rinsho** 1982 Mar;30(3):243–8 **(Jpn)**
[Pathology and cytology of the thyroid diseases (author's transl)] Namiki T. **Rinsho Byori** 1982 Feb;30(2):155–94 **(Jpn)**

PHYSIOPATHOLOGY

Thyroid function in the elderly. Burroughs V, et al. **Am J Med Sci** 1982 Jan–Feb;283(1):8–17 (83 ref.)
Thyroid disease in young diabetics [letter] Riley W, et al. **Lancet** 1982 Aug 28;2(8296):489–90
Thyroid–pituitary interaction: feedback regulation of thyrotropin secretion by thyroid hormones. Larsen PR. **N Engl J Med** 1982 Jan 7;306(1):23–32 (81 ref.)
Assays for thyroid-stimulating antibody and their clinical application. Zakarija M, et al. **Prog Clin Biol Res** 1981; 74:147–52 (22 ref.)
[Prolactin level in thyroid diseases and its reaction to thyroliberin] Vakulenko AD, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):6–10 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Thyroid follow-up registries [letter] **Lancet** 1982 Jul 3; 2(8288):51
Screening for thyroid disease [letter] Larson EB, et al. **Lancet** 1981 Sep 12;2(8246):585
[The legislator and the thyroid gland] Doorenbos H. **Ned Tijdschr Geneeskd** 1982 Apr 24;126(17):776–9 **(Dut)**

RADIOGRAPHY

[Indirect thyroidolymphography in the diagnosis of thyroid diseases] Kradinov AI, et al. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):63–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Evaluation of thyroid scintigraphic lesions by whole–organ sections and autoradiography. Risberg B, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Jan; 90(1):19–26
Thyroid scanning & the significance of the solitary cold nodule. Tan BC, et al. **Ann Acad Med Singapore** 1981 Jul; 10(3):293–7
Scintigraphic thyroid abnormalities after radiation. A controlled study with 99mTc pertechnetate scanning. Gonzalez-Villalpando C, et al. **Ann Intern Med** 1982 Jul; 97(1):55–8
Rapid thyroid enlargement: incidence, cystic hemorrhage. Massie JD, et al. **Clin Nucl Med** 1981 Dec;6(12):583
The role of nuclear scanning in head and neck surgery. Pretorius D, et al. **Head Neck Surg** 1982 May–Jun; 4(5):427–32
Computerized study with 201Tl of the cold thyroid node. Palermo F, et al. **Nuklearmedizin** 1982 Feb;21(1):23–9
[Importance of scintigraphy in studying thyroid nodules] Simeonov L, et al. **Khirurgiia (Sofiia)** 1982;35(2):126–30 (Eng. Abstr.) **(Bul)**
[Radionuclide study of thyroid function in pediatrics, using 99mTc, 123I or 131I: 150 case-reports (author's transl)] Guillet J, et al. **Ann Pediatr (Paris)** 1981 Nov;28(9):621–6 (Eng. Abstr.) **(Fre)**
[Clinical relevance of nuclear medicine diagnosis and therapy of thyroid diseases. Abstracts] **Radiol Diagn (Berl)** 1982 Jan;23(1):60–95 **(Ger)**
[Improved quality of thyroid scintigrams by using a gamma camera with pin–hole collimator (author's transl)] Anger K, et al. **ROFO** 1981 Aug;135(2):188–92 **(Ger)**
[Cold thyroid nodules: study of 163 cases (author's transl)] Lorente Garcés D, et al. **Med Clin (Barc)** 1981 Sep 25; 77(5):209–12 (Eng. Abstr.) **(Spa)**

SURGERY

To the management of the solitary thyroid nodule. Haugen SE, et al. **Acta Chir Scand** 1981;147(3):193–5
Needle aspiration of solitary cystic thyroid nodule: a practical method of treatment. Promtatvethi V, et al. **J Med Assoc Thai** 1982 Mar;65(3):125–8
Radical orbital decompression for severe dysthyroid exophthalmos. Maroon JC, et al. **J Neurosurg** 1982 Feb; 56(2):260–6
Benign thyroid disease and upper airway obstruction: case presentations, pathophysiology, and management. Hassard AD, et al. **J Otolaryngol** 1982 Apr;11(2):77–82
Surgical treatment and techniques in thyroid and parathyroid disorders. Pelliccia O, et al. **Otolaryngol Clin North Am** 1981 May;14(2):423–46
[Multipuncture system during anaesthesias with halothane. Technic in minor surgery (author's transl)] Garen C, et al. **Anesth Analg (Paris)** 1982;38(11–12):669–73 (Eng. Abstr.) **(Fre)**
[The status of modern thyroid surgery] Brandt J, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):6–8 **(Ger)**
[Problems of surgical tactics in monolateral nodular lesions] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):481–4 **(Ita)**
[Medical treatment of thyroid nodules] Busnardo B, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1919–22 **(Ita)**
[Problems in the surgical treatment of thyroid diseases] Druianov BM. **Vestn Khir** 1982 May;128(5):50–3 **(Rus)**

THERAPY

Thyroid follow-up registers [letter] Jones SJ, et al. **Lancet** 1982 Aug 7;2(8293):335
[Therapy of thyroid cysts with fine needle aspiration] Galvan G, et al. **Schweiz Med Wochenschr** 1982 Jun 26; 112(26):926–30 (Eng. Abstr.) **(Ger)**
[Efficacy of the treatment of euthyroid thyroid cysts with thyroid hormones] Reske W, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):458–60 **(Ger)**
[Hot nodules of the thyroid. Our therapeutic procedure] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):457–60 **(Ita)**

VETERINARY

Thyroid hormones and antithyroid drugs. Rosychuk RA. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):111–48 (128 ref.)
[Abnormal thyroid gland occurred in a colony of Xenopus laevis maintained at Gumma University (author's transl)] Nobunaga T, et al. **Jikken Dobutsu** 1981 Oct;30(4):471–80 (Eng. Abstr.) **(Jpn)**
[Ultimobranchial cysts in goitrous thyroids of sheep at high altitude] Kochubei NM. **Arkh Patol** 1982;44(4):57–60 (Eng. Abstr.) **(Rus)**
[Cell growth and neoplasms of the thyroid gland in horses] Cubillos V, et al. **Zentralbl Veterinarmed [A]** 1981; 28(3):201–8 (Eng. Abstr.) **(Spa)**

THYROID FUNCTION TESTS

Use of a single TSH–measurement after oral thyrotrophin releasing hormone: an economical and highly sensitive thyroid screening test. Platzer R, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):369–72
Prevalence of abnormal thyroid function test results in patients with acute medical illnesses. Kaplan MM, et al. **Am J Med** 1982 Jan;72(1):9–16
The variations in thyroid function tests compatible with clinical euthyroidism after medical and surgical treatment for Graves' disease. Wilkin TJ, et al. **Ann Endocrinol (Paris)** 1981 Jan–Mar;42(1):11–7
Thyroid function tests in patients with acute and resolved hepatitis B virus infection. Gardner DF, et al. **Ann Intern Med** 1982 Apr;96(4):450–2
Calculated free thyroid as a thyroid function test. Biggi A, et al. **Arch E Maragliano Patol Clin** 1979;35(2):115–9
Thyroid function in 44 patients with amyotrophic lateral sclerosis. Kiessling WR. **Arch Neurol** 1982 Apr;39(4):241–2
Tests of thyroid function important to the ophthalmologist. Hurwitz JJ. **Can J Ophthalmol** 1982 Apr;17(2):49–52
'Euthyroidal' goiter and menstrual disorders. Gangemi M, et al. **Clin Exp Obstet Gynecol** 1981;8(4):167–72
Thyroxine binding globulin and thyroid function tests in patients with hepatocellular carcinoma. Kalk WJ, et al. **Hepatology** 1982 Jan–Feb;2(1):72–6
A current view of thyroid function tests. Yao Y. **Hosp Pract** 1981 Sep;16(9):149, 152–3, 156–7 passim
Conditions which affect interpretation of thyroid function tests. Ravel R. **IMJ** 1981 Sep;160(3):155–63
Thyroid function tests in nonthyroidal disease. Oppenheimer JH. **J Chronic Dis** 1982;35(9):697–701
How important is it to assess thyroid function in patients with depressive symptomatology? Shader RI. **J Clin Psychopharmacol** 1981 Sep;1(5):322
Free thyroid hormones and thyrotrophin response to thyrotrophin–releasing hormone in patients affected by chronic liver disease. Biggi A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):19–24
Evaluation of euthyroid solitary. Autonomous nodule of the thyroid gland. Importance of scintillation scanning and thyrotropin–releasing hormone testing. Blum M, et al. **JAMA** 1982 Apr 9;247(14):1991–3
Evaluation of thyroid status [letter] Zweig MH. **JAMA** 1982 Apr 23;247(16):2231–2
Future of the free thyroxine index [letter] **Lancet** 1981 Oct 24;2(8252):927
A reappraisal of the free thyroxine index. Goldie DJ, et al. **Lancet** 1981 Sep 12;2(8246):572–3
Diclofenac sodium and thyroid function tests. Fowler PD, et al. **Rheumatol Rehabil** 1982 Feb;21(1):42–7
Screening for thyroid disorders in middle–aged women by computer–assisted evaluation of a thyroid hormone panel. Kågedal B, et al. **Scand J Clin Lab Invest** 1981 Jun; 41(4):403–8
Free thyroxine, thyroxine/TBG ratio and other in vitro tests of thyroid function evaluated by discriminant analysis. Rootwelt K, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):483–91
Thyroid function in developmental disorders. Young JG, et al. **Schizophr Bull** 1982;8(2):294–6
[Modifications and surveillance of thyroid tests during treatment with amiodarone] Lambert M, et al. **Ther Umsch** 1982 Feb;39(2):114–6 (Eng. Abstr.) **(Fre)**
[Bone density and thyroid gland function in adolescents in relation to fluoride content of drinking water] Baum K, et al. **Fortschr Med** 1981 Sep 24;99(36):1470–2 (Eng. Abstr.) **(Ger)**
[Thyroid function in patients with kidney insufficiency requiring hemodialysis (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):283–7 (Eng. Abstr.) **(Ger)**
[Metabolic evaluation and etiology of 'preclinical hypothyroidism': a preliminary report] Gräni R, et al. **Schweiz Med Wochenschr** 1981 Jan 31;111(5):142–6 (Eng. Abstr.) **(Ger)**
[Thyroid function during treatment of burn injuries with polyvinylpyrrolidone iodine complex (author's transl)] Habermann J, et al. **Unfallheilkunde** 1982 Jun;85(6):253–6 (Eng. Abstr.) **(Ger)**
[Functional examination of the thyroid gland] Mussa GC, et al. **Minerva Pediatr** 1981 Dec;33(24):1175–83 (Eng. Abstr.) **(Ita)**
[Functional tests in the diagnosis of thyroid cancer] Kamardin LN, et al. **Sov Med** 1982;(3):104–7 **(Rus)**
[Effect of heparin on thyroid function indicators as determined by radioanalysis] Košlik S, et al. **Vnitr Lek** 1982 Feb;28(2):122–8 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

[Measurement of 24–hr whole–body retention of 99mTc–MDP with a thyroid uptake probe (author's transl)] Seto H, et al. **Radioisotopes** 1981 May;30(5):263–7 (Eng. Abstr.) **(Jpn)**

METHODS

The oral TRH stimulation test. A new diagnostic tool in 'non–toxic' multinodular goitre. Kirkegaard C, et al. **Acta Med Scand** 1982;211(6):477–80
In vitro thyroid function tests : methodology and normal values in paediatrics. Vanderschueren–Lodeweyckx M, et al. **Acta Paediatr Belg** 1981 Jul–Sep;34(3):121–41
Free thyroxine by solid phase radioimmunoassay: improvement in the laboratory diagnosis of thyroid status in severely ill patients. Bayer MF, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):209–18
Thyroid imaging and function studies. Ashkar FS. **Clin Nucl Med** 1981 Oct;6(10S):P77–86
A comparison of methods for assessing thyroid function in nonthyroidal illness. Melmed S, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):300–6
Value of the triiodothyronine/thyroxine–binding–globulin quotient as an index of thyroid state. Hale TI. **Nuklearmedizin** 1981 Oct;20(5):254–5
[A thyroid function test--the determination of Achilles tendon reflex time (author's transl)] Zhang HF. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):458–60 **(Chi)**
[Plasmatic dosages in the study of the thyroid function (author's transl)] Fichefet JP. **Rev Med Brux** 1981 Oct; 2(8):731–5 (Eng. Abstr.) **(Fre)**
[Study of thyroid function by radiochemical and radioimmunological technique (author's transl)] Meunier JC, et al. **Rev Med Brux** 1981 Oct;2(8):719–30 (Eng. Abstr.) **(Fre)**
[Thyroidal 123I–uptakes using mild restriction of iodine (author's transl)] Wanibe S, et al. **Kaku Igaku** 1982 Mar; 19(2):297–304 **(Jpn)**
[Information value of thyroid tests] Mirkhodzhaev AKh, et al. **Med Radiol (Mosk)** 1981 Aug;26(8):74–80 **(Rus)**
[Study of the iodine–absorptive function and topography of the thyroid gland with sodium iodide labeled with short–life I–123] Volkov AA, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):34–6 (Eng. Abstr.) **(Rus)**
[Reflexometry as a supplementary study method in thyroid hypofunction] Galdina GA, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):34–8 (Eng. Abstr.) **(Rus)**

THYROID GLAND

see related
STRUMA OVARII
ULTIMOBRANCHIAL BODY

Lingual and normally located thyroid glands in Nigerian children. Ijaduola GT. **J Laryngol Otol** 1982 Feb; 96(2):177–80
Squamous cell carcinoma arising in thyroglossal duct remnant cyst epithelium. White IL, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):25–31

Hypothyroidism following removal of a 'thyroglossal duct cyst'. Conklin WT, et al. **Plast Reconstr Surg** 1981 Dec; 68(6):930–2

Low thyroid uptake of radioiodine. Martin ND. **Semin Nucl Med** 1981 Oct;11(4):318–9

[An interesting case of an undescended thyroid gland] Březovský P. **Cesk Otolaryngol** 1981 Oct;30(5):303–7 (Eng. Abstr.) **(Cze)**

[Lateral aberrant goiter] Síbl O, et al. **Cesk Otolaryngol** 1981 Oct;30(5):290–5 (Eng. Abstr.) **(Cze)**

[Recurrence prophylaxis after surgical treatment of endothoracic struma] Hartel E, et al. **MMW** 1981 Nov 6; 123(45):1711–2 **(Ger)**

[Intrapulmonary thyroid tissue: metastasis or chorista?] Banna P, et al. **Minerva Chir** 1981 Nov 30;36(22):1499–503 (Eng. Abstr.) **(Ita)**

[Thyrotropic and thyroid function after antineoplastic treatment in infants] Mussa GC, et al. **Minerva Pediatr** 1982 Feb 28;34(4):151–9 (Eng. Abstr.) **(Ita)**

[Aberrant substernal goiter located in the posterior mediastinum] Tochilin VI, et al. **Probl Endokrinol (Mosk)** 1981;27(6):42–3 **(Rus)**

[Fibrinolytic activity of blood and thyroid tissue in nodular goiter and thyrotoxicosis] Kovalev AP. **Vrach Delo** 1981 Oct;(10):81–2 **(Rus)**

ABNORMALITIES

CT diagnosis of mediastinal thyroid. Glazer GM, et al. **AJR** 1982 Mar;138(3):495–8

Diagnosis of ectopic thyroid: value of pretracheal soft-tissue measurements. Mahboubi S, et al. **AJR** 1981 Oct; 137(4):717–9

Anaplastic carcinoma arising from median ectopic thyroid (thyroglossal duct remnant). Nussbaum M, et al. **Cancer** 1981 Dec 15;48(12):2724–8

Co-existing Klinefelter's syndrome, sublingual thyroid, and hypothyroidism [letter] Park HM. **J Nucl Med** 1982 Sep; 23(9):857–8

Hemiagenesis of the thyroid gland and T3 hyperthyroidism. Matsumura LK, et al. **Postgrad Med J** 1982 Apr; 58(678):244–6

[Epidemiology of hypothyroidism due to congenital malformation of the gland: athyreosis or ectopic thyroid (author's transl)] Goujard J, et al. **Arch Fr Pediatr** 1981 Dec;38 Suppl 1:875–9 (Eng. Abstr.) **(Fre)**

[Congenital thyroid abnormality (subhyoid ectopy) associated with mitral valve prolapse] Paggi A, et al. **Minerva Med** 1982 May 7;73(19):1305–10 (Eng. Abstr.) **(Ita)**

[Hypothyroidism with ectopic thyroid: clinical characteristics and results of treatment] Stoppoloni G, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):795–803 **(Ita)**

[Unusual site of goiter in an aberrant thyroid gland] Boĭtsov NI, et al. **Vestn Khir** 1982 Apr;128(4):73–4 **(Rus)**

ANALYSIS

X-ray-fluorescence determination of stable iodine in the thyroid gland. A review. Jonckheer MH, et al. **Acta Clin Belg** 1982;37(2):92–102 (35 ref.)

X-ray-fluorescence determination of stable iodine in the thyroid gland. A review. Jonckheer MH, et al. **Acta Clin Belg** 1982;37(1):30–40

Characterization of triton-solubilized TSH receptors from human thyroid plasma membranes. Iida Y, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):50–6

The presence of a high concentration of thyroxine in thyroid epithelial cells. Kawada J, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):393–7

A simple and rapid method for purification of profilin from bovine thyroid. Kobayashi R, et al. **Anal Biochem** 1982 Feb;120(1):106–10

Purification and characterization of tropomyosin from bovine thyroid. Kobayashi R, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):220–32

Cellular DNA content in normal human thyroid: a flow cytometric study based on frozen biopsy material. Tangen KO, et al. **Diagn Histopathol** 1981 Oct–Dec;4(4):343–8

Solubilization, purification, and partial characterization of thyrotropin receptor from bovine and human thyroid glands. Koizumi Y, et al. **Endocrinology** 1982 Apr; 110(4):1381–91

Iodine-131 in thyroids of the meadow vole (Microtus pennsylvanicus) in the vicinity of the Three Mile Island nuclear generating plant. Field RW, et al. **Health Phys** 1981 Aug;41(2):297–301

129I in Missouri thyroids. Oliver LL, et al. **Health Phys** 1982 Apr;42(4):425–32

Radioimmunological measurements of 3,5-diiodothyronine in hydrolysate and in effluent from perfused canine thyroids. Laurberg P. **Horm Metab Res** 1982 Jan;14(1):46–9

A non-calcitonin secretory peptide derived from preprocalcitonin. Birnbaum RS, et al. **J Biol Chem** 1982 Jan 10;257(1):241–4

Identification of both human and salmon calcitonin-like molecules in birds suggesting the existence of two calcitonin genes. Perez Cano R, et al. **J Endocrinol** 1982 Mar;92(3):351–5

Seasonal variation of stable intrathyroidal iodine in nontoxic goiter disclosed by x-ray fluorescence. Jonckheer M, et al. **J Endocrinol Invest** 1982 Jan–Feb;5(1):27–31

Influences of fixatives on the immunodetection of calcitonin in mouse 'C' cells during pre- and post- natal development. Treilhou-Lahille F, et al. **J Histochem Cytochem** 1981 Oct; 29(10):1157–63

Presence of adrenocorticotropin-potentiating activity in a calcitonin preparation derived from porcine thyroid glands. Iida S, et al. **Pharmacology** 1982;24(4):211–4

Abnormalities of iodine and protein in the thyroid of patients with Hashimoto's thyroiditis. Yamamoto M, et al. **Tohoku J Exp Med** 1981 Nov;135(3):323–30

[Sonographic determination of thyroid volume] Pickardt CR. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):426–7 **(Ger)**

[Antimony content of the thyroid of man and animals undergoing visceral leishmaniasis treatment with the organic compound of antimony, stibogluconate sodium] Fuzallov IuM. **Med Parazitol (Mosk)** 1982 Jan–Feb; 51(1):62–5 **(Rus)**

[Intrathyroid iodine in the diagnosis of thyroid cancer] Zaĭchik VE, et al. **Vopr Onkol** 1982;28(3):18–24 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Quantitative evaluation of the interrelationship of certain endocrine glands of Hemiechinus auritus collaris (Gray) during the reproductive cycle. Asawa SC, et al. **Acta Anat (Basel)** 1982;111(3):259–67

Thyroid inclusions in cervical lymph nodes. Gerard-Marchant R, et al. **Clin Endocrinol Metab** 1981 Jul;10(2):337–49

Stereological analysis of thyroid follicle structure. Penel C, et al. **Experientia** 1981;37(9):1010–2

Stereological analysis of the thyroid gland by light microscopy. Kališnik M. **Prog Clin Biol Res** 1981; 59B:151–60 (38 ref.)

Wild-albino hybrids and albino rats: thyroid weight but not muricide differences. Persinger MA, et al. **Psychol Rep** 1982 Apr;50(2):421–2

[Interest of echography in thyroidal disease (author's transl)] Carlier L, et al. **J Belge Radiol** 1981;64(4):327–37 (Eng. Abstr.) **(Fre)**

[Volumetric analysis of thyroid lobes by real-time ultrasound (author's transl)] Brunn J, et al. **Dtsch Med Wochenschr** 1981 Oct 9;106(41):1338–40 (Eng. Abstr.) **(Ger)**

[Identification of the recurrent nerve in thyroid surgery] Iseppi P, et al. **Chir Ital** 1982 Apr;34(2):251–61 (39 ref.) **(Ita)**

BLOOD SUPPLY

Human thyroid blood flow response to endogenous, exogenous human, and bovine thyrotrophin measured by electromagnetic flowmetry. Tegler L, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):540–8

Thyroid steal syndrome? Pont A, et al. **Clin Nucl Med** 1982 Jan;7(1):10–2

Thyroid blood flow rate in man. Electromagnetic flowmetry during operation in euthyroid normal gland, nontoxic goiter, and hyperthyroidism. Tegler L, et al. **J Endocrinol Invest** 1981 Jul-Sep;4(3):335–41

Ultrastructure of cytokinesis in blood capillary endothelial cells in thyroid gland in vivo. Zeligs JD, et al. **J Ultrastruct Res** 1981 Jun;75(3):291–9

[Some anatomo-radiological observations concerning the changes in thyroid arteries which occur with senility (author's transl)] Papadatos D. **Anat Anz** 1981; 150(1-2):212–25 **(Fre)**

[Concentration of calcium and phosphorus in patients after thyroidectomy without ligation of the inferior thyroid arteries (author's transl)] Schmauss AK, et al. **Zentralbl Chir** 1981;106(16):1063–73 (Eng. Abstr.) **(Ger)**

[Diagnostic value and limitation of selective thyroid venous sampling to evaluated the localization of parathyroid adenoma in primary hyperparathyroidism (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 1982 Jan;27(1):25–30 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Morphology of the second kind of follicle in the guinea pig thyroid gland. Juhl M. **Acta Anat (Basel)** 1981; 110(4):318–26

Thyroid calcitonin cells and unusual follicles in the fox. Srivastav AK, et al. **Acta Anat (Basel)** 1982;112(4):338–45

A role for lactate in the differentiation of cultured sheep thyroid cells. Mothersill C, et al. **Cell Biol Int Rep** 1981 Sep;5(9):877–86

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. I. Study of proliferative response. Yeni P, et al. **Cell Immunol** 1981 Aug;62(2):313–23

Cell population kinetics of thyroid follicular cells in infant rats. Christov-Tzelkov K, et al. **Cell Tissue Kinet** 1982 May;15(3):275–84

Mitotic rate of rat thyroid follicular cells in vivo in response to a single injection of thyrotropin (TSH). Redmond O, et al. **Cell Tissue Kinet** 1981 Nov;14(6):625–31

Unilateral posterior deafferentation of hypothalamus and mitotic activity of thyroid follicular cells under normal conditions and after hemithyroidectomy. Lewiński A, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):75–80

Mitogenic effect of epidermal growth factor on sheep thyroid cells in culture. Westermark K, et al. **Exp Cell Res** 1982 Mar;138(1):47–55

Age-related alteration of thyroidal and mesenteric mast cells of male albino rat. Banerjee SN, et al. **Exp Gerontol** 1981; 16(6):475–9

Reorganization of porcine thyroid cells into functional follicles in a chemically defined, serum- and thyrotropin-free medium. Fayet G, et al. **J Cell Biol** 1982 May;93(2):479–88

Basal lamina formation on thyroid epithelia in separated follicles in suspension culture. Garbi C, et al. **J Cell Biol** 1982 Aug;94(2):489–92

Physical randomization of tissue architecture: an alternative to systemic sampling. Stringer BM, et al. **J Microsc** 1982 May;126(Pt 2):179–82

What name for the second thyroid cell? Young BA. **Med Hypotheses** 1981 May;7(5):633–7

Actin in Triton-insoluble cytoskeleton of thyroid. Kobayashi R, et al. **Metabolism** 1982 Feb;31(2):133–8

Specific staining of the thyroid follicular cell apical membrane by nitroblue tetrazolium. van Sande J, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):31–40

Electron microscopic study on the fetal thyroid C cells following fetal hypophyseopriva with or without TSH and GH therapies in the rat. Eguchi Y, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):27–36

Thyroid follicular cells: the resting membrane potential and the communication network. Green ST, et al. **Pflugers Arch** 1981 Aug;391(2):119–24

[Oxyphil metaplasia (Hürthle cells) and a fibrous variant of Hashimoto's thyroiditis] Pingitore R, et al. **Pathologica** 1980 Nov-Dec;72(1022):841–5 (Eng. Abstr.) **(Ita)**

[Debatable questions of modern cytophysiology of the thyroid] Aleshin BV. **Usp Sovrem Biol** 1982 Jan–Feb; 93(1):121–38 (125 ref.) **(Rus)**

[Blood Thyroxine concentration and quantitative changes in the micromorphological picture of the thyroid gland in postnatal ontogenesis of the rat (author's transl)] Dobiaš J, et al. **Bratisl Lek Listy** 1981 Sep;76(3):290–7 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Effects of dexamethasone on the hypothalamic-pituitary-thyroid axis in rats. Mitsuma T, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):51–6

Effect of high-dose thyrotropic hormone treatment on the cells of the newborn rat thyroid. Madarász B, et al. **Acta Morphol Acad Sci Hung** 1981;29(2–3):213–9

Neuroendocrine mechanisms in the therapeutic effects of antidepressant drugs: the 'thyroid-axis' hypothesis. Langer G, et al. **Adv Biochem Psychopharmacol** 1982;32:297–302

The influence of lithium carbonate on the hypothalamic-pituitary-thyroid axis. Bakker K. **Agressologie** 1982 Feb;23(B):89–93

The effect of a single dose of DDT on thyroid function in male rats. Goldman M. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):327–34

Effect of levodopa on thyroid function and prolactin release. A study in patients with Parkinson's disease. Lavin PJ, et al. **Arch Neurol** 1981 Dec;38(12):759–60

Alterations in thyroid function after cholecystographic contrast agents. Hunter AN, et al. **Aust NZ J Med** 1982 Apr;12(2):192–5

Effects of prostaglandins F alpha on dog thyroid cyclic AMP level and function. van Sande J, et al. **Biochim Biophys Acta** 1982 May 5;716(1):53–60

A study of the effect of sodium/meglumine ioxaglate (Hexabrix) on thyroid function. Grainger RG, et al. **Br J Radiol** 1981 Sep;54(645):768–72

The influence on thyroid function of two iodine-containing radiological contrast media. Jaffiol C, et al. **Br J Radiol** 1982 Apr;55(652):263–5

Thyroid function in relation to trimethylamine oxidation in immature domestic fowl fed on rapeseed meal. Davison TF, et al. **Br Poult Sci** 1981 Sep;22(5):437–43

Response of calcitonin cells, parathyroid, serum calcium and serum inorganic phosphorus during glucagon-induced hypocalcemia in the house shrew, Suncus murinus. Swarup K, et al. **Cell Mol Biol** 1981;27(2–3):287–90

Degranulation and appearance of vesicular inclusions in canine C cells after administration of antithyroid drug. Kameda Y **Cell Tissue Res** 1982 Jul;225(2):315–8

The effect of fenclofenac on thyroid function. Kurtz AB, et al. **Clin Endocrinol (Oxf)** 1981 Aug;15(2):117–24

Possible mechanism of action of cholesterol enriched diet on the thyroid. Bianco AC, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):277–85

Effect of thyrotropin on the sensitivity of thyroid nuclear deoxyribonucleic acid to digestion by micrococcal nuclease. Abe Y, et al. **Endocrinology** 1982 Jun; 110(6):2118–23

Forskolin stimulation of thyroid adenylate cyclase and cyclic 3',5'-adenosine monophosphate accumulation. Fradkin JE, et al. **Endocrinology** 1982 Sep;111(3):849–56

Inhibitors of prostaglandin synthesis prevent TSH-induced morphological changes in the thyroid gland. Sluszkiewicz E. **Endokrynol Pol** 1982;32(5):365–70

Effects of arachidonate on cultured pig thyroid cells and their stimulation by thyrotropin. Gerard C, et al. **FEBS Lett** 1981 Sep 14;132(1):23–8

Effect of Pyrazole on thyroid function in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):279–82

Thyroid proliferation, body weight, thyrotropin and thyroid hormones in chronic antithyroid (carbimazole) treatment in rats. Redmond O, et al. **J Anat** 1981 Aug;133(Pt 1):37–47

Inhibition of the thyroid adenylate cyclase response to thyroid-stimulating immunoglobulin G by crude and asialo-human chorionic gonadotropin. Uchimura H, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):347–53

Effects of excessive intakes of iodine upon growth and thyroid function of growing Holstein heifers. Fish RE, et al. **J Dairy Sci** 1982 Apr;65(4):605–10

Effects of trimethoprim and sulphonamide preparations on the pituitary–thyroid axis of rodents. Cohen HN, et al. **J Endocrinol** 1981 Nov;91(2):299–303

Modulation by catecholamines and thyrotrophin of cyclic AMP response to beta-adrenergic stimulation by cultured porcine thyroid cells. Dumas D, et al. **J Endocrinol** 1982 Apr;93(1):1–9

Fetal growth inhibition and decreased thyroid activity after injection of oestradiol benzoate into pregnant rats. Kühn ER, et al. **J Endocrinol** 1982 Apr;93(1):55–63

Divergent phases of responsiveness of thyroid hormone biosynthesis to exogenous thyroid-stimulating hormone in the postnatal rat. Stolc V, et al. **J Endocrinol** 1982 Feb; 92(2):251–60

Goitrogen-induced thyroid growth in the rat: a quantitative morphometric study. Wynford-Thomas D, et al. **J Endocrinol** 1982 Jul;94(1):131–40

Effect of barbital on the pituitary–thyroid axis. Ching M. **J Endocrinol Invest** 1981 Oct–Dec;4(4):389–92

Orphenadrine citrate (Norflex) mediated inhibition of thyroid function in the adult male rat. Van Herle AJ, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):141–7

Adverse effects of amiodarone [letter] Alves LE, et al. **JAMA** 1982 Sep 24;248(12):1448–9

Effect of povidone-iodine on neonatal thyroid function [letter] Jackson HJ, et al. **Lancet** 1981 Oct 31;2(8253):992

Co-trimoxazole and the thyroid [letter] Smellie JM, et al. **Lancet** 1982 Jul 10;2(8289):96

Stimulation by thyrotropin, cholera toxin and dibutyryl cyclic AMP of the multiplication of differentiated thyroid cells in vitro. Roger PP, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):165–76

Effect of methylthiouracil on the colloidopexic capacity of hepatosplenic macrophages through thyroid function depression. Gocan ME, et al. **Morphol Embryol (Bucur)** 1981 Jul–Sep;27(3):255–6

Effect of chronic douching with polyvinylpyrrolidone-iodine on iodine absorption and thyroid function. Safran M, et al. **Obstet Gynecol** 1982 Jul;60(1):35–40

The sensibility of the hypophysis, the gonads and the thyroid of adolescents before and after the administration of oral contraceptives. A resume. Rey-Stocker I, et al. **Pediatr Ann** 1981 Dec;10(12):15–20

In vivo thyroxine release in day-old cockerels in response to acute stimulation by mammalian and avian pituitary hormones. MacKenzie DS. **Poult Sci** 1981 Sep; 60(9):2136–43

Dependency of maximum goitrogenic response on some minimal level of thyroid hormone production. March BE, et al. **Poult Sci** 1981 Apr;60(4):846–54

Diclofenac sodium and thyroid function tests. Fowler PD, et al. **Rheumatol Rehabil** 1982 Feb;21(1):42–7

The effect of butylated hydroxytoluene (BHT) on the rat thyroid. Søndergaard D, et al. **Toxicol Lett** 1982 Feb; 10(2–3):239–44

[Effect of spironolactone (Aldactone-A) on the function of the thyroid gland in white rats] Bordás E, et al. **Endocrinologie** 1981 Jan–Mar;19(1):33–7 **(Fre)**

[Morphokinetics of the TSH-stimulated guinea pig thyroid gland in vitro] Luttermann M, et al. **Acta Anat (Basel)** 1982; 112(2):105–16 (Eng. Abstr.) **(Ger)**

[Effect of iodine on thyroid function] Emrich D. **Med Klin [Prax]** 1982 May 21;77(11):28–31 **(Ger)**

[Changes in thyroid function following iodine-containing contrast administration in patients in an endemic goitre area (author's transl)] Grehn S, et al. **ROFO** 1981 Aug; 135(2):151–6 (Eng. Abstr.) **(Ger)**

[Thyroid weights and iodized salt prophylaxis: a comparative study from autopsy material from the Institute of Pathology, University of Zurich] Gerber D. **Schweiz Med Wochenschr** 1980 Dec 27;110(52):2010–7 (Eng. Abstr.) **(Ger)**

[Phospholipids fractions of the hypothalamus and endocrine glands in the rat] Breda M, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):211–7 (Eng. Abstr.) **(Ita)**

[Possible interference of synthetic estroprogestins with thyroid hormone production] Paggi A, et al. **Clin Ter** 1981 Aug 31;98(4):349–63 (Eng. Abstr.) **(Ita)**

[Morphofunctional changes in the thyroid glands of rats following lithium chloride administration] Semenov VV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):754–7 (Eng. Abstr.) **(Rus)**

[Effect of contrast agents on the iodine-absorbing function of the thyroid gland] Sergeev PV, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):96–100 (Eng. Abstr.) **(Rus)**

[Effect of human serum lipoproteins on various indices of thyroid function in rats] Bershtein LM, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):72–6 (Eng. Abstr.) **(Rus)**

[Effect of nitrites on the state of thyroid gland in iodine deficiency and different diets] Eremin IuN, et al. **Vopr Pitan** 1981 Sep–Oct;(5):60–2 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of tolbutamide with special consideration for its affinity for the thyroid] Ruiz-Torres A, et al. **Rev Clin Esp** 1982 Jan 15;164(1):37–40 (Eng. Abstr.) **(Spa)**

[Effects of amiodarone on thyroid function (author's transl)] Arteaga E, et al. **Rev Med Chil** 1981 Jul;109(7):610–3 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

The ontogeny of the thyrotropin–thyroid axis in early bovine embryos. Avivi A, et al. **Endocrinology** 1981 Nov; 109(5):1611–8

The interaction of cultured thyroid cells of early bovine embryos with thyrotropin and thyroglobulin. Avivi A, et al. **Endocrinology** 1982 Aug;111(2):589–98

Studies on the hypothalamic control of thyroid function in the rabbit fetuses. Mitskevich MS, et al. **Endokrinologie** 1982 Feb;79(1):94–100

ENZYMOLOGY

In vitro lymphocyte proliferation in response to polyclonal activators and microbial antigens, and production of immunoglobulins stimulating thyroid adenylate cyclase in Graves' disease. Bech K, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):252–5

A new protease in hog thyroid lysosomes. II. A partial purification and characterization of a leupeptin-sensitive protease. Nakagawa H, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):390–5

A new protease in hog thyroid lysosomes. I. The presence of a leupeptin-sensitive protease in the soluble fraction of thyroid lysosomes. Nakagawa H, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):383–9

Some findings on the cytochemistry of the thyroid follicle epithelial cell in rats and mice. Sawano F, et al. **Arch Histol Jpn** 1981 Nov;44(5):439–52

Effect of dimethylsulfoxide on two synthetic Asn-X-Thr containing substrates of the oligosaccharyltransferase. Ronin C, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):909–15

Pig thyroid AMP deaminase purification and some properties. Stelmach H, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):144–52

Interactions of fluoride and guanine nucleotides with thyroid adenylate cyclase. Goldhammer A, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):192–9

Porcine thyroid fucosidase. Grove DS, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):246–55

Ca2+-stimulated, Mg2+-dependent ATPase in bovine thyroid plasma membranes. Kasai K, et al. **Biochim Biophys Acta** 1982 Feb 23;685(2):225–9

Aminopeptidase N is a marker for the apical pole of porcine thyroid epithelial cells in vivo and in culture. Feracci H, et al. **Cell Tissue Res** 1981;221(1):137–46

Alkaline phosphatase from human thyroid. Kilpatrick DC, et al. **Clin Chim Acta** 1981 Dec 24;117(3):307–15

Phenol, a potent stimulator of adenylate cyclase in human thyroid membranes. Amir SM, et al. **Endocr Res Commun** 1981;8(2):83–95

Thyroglobulin degradation by thyroidal proteases: action of purified cathepsin D. Dunn AD, et al. **Endocrinology** 1982 Jul;111(1):280–9

Thyroglobulin degradation by thyroidal proteases: action of thiol endopeptidases in vitro. Dunn AD, et al. **Endocrinology** 1982 Jul;111(1):290–8

Thyroxine-5'-deiodinase of rat thyroid, but not that of liver, is dependent on thyrotropin. Erickson VJ, et al. **Endocrinology** 1982 Aug;111(2):434–40

Synthetic substrates for thyroid oligosaccharide transferase. Effects of peptide chain length and modifications in the Asn-Xaa-Thr-region. Ronin C, et al. **Eur J Biochem** 1981 Aug;118(1):159–64

Allotropism in aspartyl-tRNA synthetase from procine thyroid. Vellekamp GJ, et al. **Eur J Biochem** 1981 Aug; 118(2):261–9

Heterogeneity of the catalytic activity arising from thyroidal cAMP-dependent protein kinase type II. Toru-Delbauffe D, et al. **FEBS Lett** 1982 Feb 22;138(2):178–82

Specific inhibition by Na+ of TSH-stimulated thyroid cell adenylate cyclase. Verrier B, et al. **FEBS Lett** 1982 Feb 22;138(2):303–6

Localization of adenylate cyclase and 5'-nucleotidase activities in human thyroid follicular cells. Mizukami Y, et al. **Histochemistry** 1982;74(1):9–19

Amylase in the thyroid gland. Otsu N, et al. **Histochemistry** 1982;74(1):21–6

Inhibition of yeast, & rat thyroidal, glutathione reductase activity by iodine. Hati RN, et al. **Indian J Biochem Biophys** 1981 Oct;18(5):342–5

DNA-dependent RNA polymerases from bovine thyroid: catalytic properties and template specificities. Voets R, et al. **Int J Biochem** 1982;14(5):405–13

Affinity chromatography of thyroid peroxidase using tyrosine coupled to Agarose. Yamamoto K, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):775–82

Thyroid membrane ADP ribosyltransferase activity. Stimulation by thyrotropin and activity in functioning and nonfunctioning rat thyroid cells in culture. De Wolf MJ, et al. **J Biol Chem** 1981 Dec 10;256(23):12287–96

Reactions of purified hog thyroid peroxidase with H2O2, tyrosine, and methylmercaptoimidazole (goitrogen) in comparison with bovine lactoperoxidase. Ohtaki S, et al. **J Biol Chem** 1982 Jan 25;257(2):761–6

Studies on the membrane-associated nature of human thyroid peroxidase: a difference in the solubility of the enzyme from benign and malignant thyroid tissues. Neary JT, et al. **J Clin Endocrinol Metab** 1978 May;46(5):791–9

Thyrotropin stimulation of the ADP-ribosyltransferase activity of bovine thyroid membranes. Vitti P, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1525–9

Prostacyclin stimulates the adenylate cyclase system of human thyroid tissue. Patrono C, et al. **Prostaglandins** 1981 Jul;22(1):105–15

Some limitation in the use of the I- method for measuring the peroxidase activity from bovine thyroid gland. Salano F, et al. **Rev Esp Fisiol** 1981 Sep;37(3):341–8

[Histoenzymatic changes in experimental animals exposed to intermittent noise] Khmel'nitskii OK, et al. **Gig Sanit** 1982 Apr;(4):92–3 **(Rus)**

GROWTH & DEVELOPMENT

Overlapping effect of thyroid-stimulating hormone and follicle-stimulating hormone on the thyroid gland in baby chicken. Dobozy O, et al. **Acta Physiol Acad Sci Hung** 1981;57(2):171–5

Defective thyroid ontogenesis in fetal hypothyroid (hyt/hyt) mice. Beamer WG, et al. **Anat Rec** 1982 Mar;202(3):387–93

Effects of neonatal hyperthyroidism on the development of the hypothalamic–pituitary–thyroid axis in the rat. Dussault JH, et al. **Endocrinology** 1982 Mar;110(3):1037–42

Sex dimorphism in the thyroid gland. III. Morphometric studies on the rat thyroid gland in the course of postnatal ontogenesis. Malendowicz LK, et al. **Endokrinologie** 1981 Mar;77(3):297–302

Effects of early neonatal thyroxine treatment on development of the thyroid and adrenal axes in rats. Martin SM, et al. **Life Sci** 1981 Oct 19;29(16):1683–8

[Thyroid development and morphofunctional state in the postnatal ontogeny of rats with cervical sympathetic ganglia removed] Lepkhina LM, et al. **Zh Evol Biokhim Fiziol** 1982 Jan–Feb;18(1):59–64 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological and clinical characterization of patients with untreated euthyroid and hypothyroid autoimmune thyroiditis. Antibody spectrum, response to TRH and clinical study. Scherbaum WA, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):373–81

The incidence of occult thyroid disease associated with thyroid antibodies identified on routine autoantibody screening. Tanner AR, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):31–5

Alterations in serum thyroid hormones in euthyroid children with circulating anti-thyroid antibodies. Villalpando S, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):500–7

Immunohistochemical and electron microscopic studies on Hashimoto's thyroiditis. Matsuta M. **Acta Pathol Jpn** 1982 Jan;32(1):41–56

Some general features of thyroid autoimmunity. Roitt IM, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(3):297–304

Borderline low thyroid function and thyroid autoimmunity. Risk factors for coronary heart disease? Tièche M, et al. **Br Heart J** 1981 Aug;46(2):202–6

The preparation of thyroid microsomal antigen for use in the indirect micro-ELISA method for the detection of anti-thyroid microsomal autoantibody. Goodburn R, et al. **Clin Chim Acta** 1982 Mar 12;119(3):291–7

Effect of radioiodine on stimulatory activity of Graves' immunoglobulins. Atkinson S, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):537–43

Thyroid stimulating antibodies (TSAb) in patients with Graves' disease undergoing antithyroid drug treatment: indicators of activity of disease. Karlsson FA, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):579–85

Studies on thyroid cell surface antigens using cultured human thyroid cells. Fenzi GF, et al. **Clin Exp Immunol** 1982 Feb; 47(2):336–44

Thyroid antibodies are produced by thyroid-derived lymphocytes. Weetman AP, et al. **Clin Exp Immunol** 1982 Apr;48(1):196–200

The effect of the thyroidal state on the immunological state of the chicken. Yam D, et al. **Dev Comp Immunol** 1981 Summer;5(3):483–90

Immunocytochemical demonstration of calcitonin in semithin sections of plastic-embedded rat thyroid. Martin-Lacave I, et al. **Diagn Histopathol** 1982 Apr–Jun;5(2):129–32

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. III. Induction of thyroiditis by thyroid-sensitized T lymphoblasts. Charreire J, et al. **Eur J Immunol** 1982 May;12(5):421–5

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. II. T and B cell involvement in primary responses. Charreire J. **Eur J Immunol** 1982 May;12(5):416–21

Immunological characterization of mononuclear cells in thyroid gland and blood in Graves' disease, multinodular goiter and papillary carcinoma. Aanderud S, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):137–42

The stimulation of thyroid hormone secretion in vitro by thyroid-stimulating antibodies. Atkinson S, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1263–6

Preparation of 125I-labeled receptor-purified Graves'

immunoglobulins: properties of their binding to human thyroid membranes. Endo K, et al.
J Clin Endocrinol Metab 1982 Sep;55(3):566–76

Pancreatic islet cell and thyroid antibodies, and islet cell function in diabetic patients of Mexican–American origin. Zeidler A, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):949–54

The correlation between the results of tests for thyroid autoantibodies to cell surface and microsomal antigens and to thyroglobulin. Butler S, et al. **J Clin Lab Immunol** 1981 Nov;6(3):237–9

Natural cytotoxicity of blood mononuclear cells from normal subjects and patients with Hashimoto's thyroiditis against normal thyroid cells. Seybold D, et al.
J Clin Lab Immunol 1981 Nov;6(3):241–4

Thyroid-stimulating antibodies in Grave's disease and the effect of thyrotrophin–binding globulins on their determination. Biró J. **J Endocrinol** 1982 Feb;92(2):175–84

Leukocyte migration test (LMT) in patients with thyroid disease: the response to human thyroid subcellular fractions. Galluzzo A, et al. **J Endocrinol Invest** 1981 Apr–Jun; 4(2):173–6

Changes of circulating thyroid autoantibody levels during and after the therapy with methimazole in patients with Graves' disease. Marcocci C, et al. **J Endocrinol Invest** 1982 Jan–Feb;5(1):13–9

Measurement of thyroid cell surface antibodies by radioassay using human cultured thyroid cells. Toccafondi R, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):439–44

A microcytotoxicity assay for thyroid-specific cytotoxic antibody, antibody-dependent cell-mediated cytotoxicity and direct lymphocyte cytotoxicity using human thyroid cells. Iwatani Y, et al. **J Immunol Methods** 1982; 48(2):241–50

Membranous glomerulonephropathy: thyroid antigen–antibody immune complex MGN. Weber JP Jr, et al. **J Kans Med Soc** 1981 Sep;82(9):397–9

A case of membranous nephropathy associated with thyroid antigens. Iwaoka T, et al. **Jpn J Med** 1982 Jan;21(1):29–34

Prevalence of thyroid antibodies in Shiraz, Iran, an area with iodine deficiency. Khaleeli AA. **Postgrad Med J** 1981 Jan; 57(663):23–7

Serum antithyroglobulin and anti-thyroid microsomal antibody titres in thyroid disorders. Chang TC, et al.
Taiwan I Hsueh Hui Tsa Chih 1982 Jan;81(1):67–77

[Thyroid autoimmunity] Orgiazzi J.
Ann Med Interne (Paris) 1982;133(4):233–7 **(Fre)**

[Differences in the distribution of class I and II antigens of the major histocompatibility complex on the surface of cultured epithelial cells of the mouse thyroid] Salamero J, et al. **C R Seances Acad Sci [III]** 1981 Dec 14; 293(14):745–50 (Eng. Abstr.) **(Fre)**

[Characterization of lymphocytic cells infiltrating into the follicular epithelial lining in chronic thyroiditis in humans (author's transl)] Kotani T, et al. **Arerugi** 1982 Feb; 31(2):100–5 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation studies of thymune T and thymune M (author's transl)] Kato R.
Horumon To Rinsho 1981 Jun;29(6):701–5 **(Jpn)**

[Studies on precipitating antibodies to solubilized thyroid membrane antigens by gel immunodiffusion in autoimmune thyroid diseases (author's transl)] Hirakawa S.
Nippon Naibunpi Gakkai Zasshi 1981 Jun 20;57(6):920–9 (Eng. Abstr.) **(Jpn)**

[Effect of anti-thyroid antibodies on thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):295–6 (Eng. Abstr.) **(Rus)**

INNERVATION

Control of cyclic nucleotide metabolism by non-cholinergic, non-adrenergic nerves in rat thyroid gland. Green ST, et al. **Nature** 1982 Apr 22;296(5859):751–4

[Sympathetic control of thyroid gland (author's transl)] Kong DJ. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):301–4, 336 **(Chi)**

[Sources of the cerebrospinal afferent innervation of the pig thyroid gland] Amvraos'ev AP, et al.
Arkh Anat Gistol Embriol 1981 Oct;81(10):38–42 (Eng. Abstr.) **(Rus)**

[Effect of sympathetic impulses on parafollicular cells (K-cells) of the thyroid gland] Aleshin BV, et al.
Biull Eksp Biol Med 1981 Jun;91(6):725–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Iodine metabolism and the effect of TSH in thyroid glands of early bovine embryos. Avivi A, et al.
Acta Endocrinol (Copenh) 1981 Nov;98(3):377–82

Characterisation of the cyclic AMP response to thyrotrophin in monolayer cultures of normal human thyroid cells. Bidey SP, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):370–6

Properties of thyrotrophin receptors in human thyroid membranes. de Bruin TW, et al.
Acta Endocrinol (Copenh) 1982 Apr;99(4):522–9

Iodide transport of thyroid plasma membranes. Endo Y, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):227–33

Presence of gangliosides in the structure of membrane receptor for thyrotrophin. Gardas A, et al.
Acta Endocrinol (Copenh) 1981 Dec;98(4):549–55

Factors influencing the release of cyclic AMP from mouse thyroid tissue stimulated by TSH in vitro. Gustafson A, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):404–9

Defects in intrathyroid binding of iodine and the perchlorate discharge test. Hilditch TE, et al.
Acta Endocrinol (Copenh) 1982 Jun;100(2):237–44

Further decrease in thyroidal uptake and disappearance of endemic goitre in children after 30 years of iodine prophylaxis in the east of Finland. Lamberg BA, et al.
Acta Endocrinol (Copenh) 1981 Oct;98(2):205–9

A possible role of arginase in the regulation of polyamine biosynthesis in the rat thyroid. Matsuzaki S, et al.
Acta Endocrinol (Copenh) 1981 Sep;98(1):57–61

Changes in the cyclic nucleotides (cCMP, cAMP, and cGMP) of rat thyroid induced by prolonged administration of LATS and TSH. Ochi Y, et al.
Acta Endocrinol (Copenh) 1981 Sep;98(1):62–7

The effect of varying iodine content on the proteolytic activity of rat thyroid lysosomes. Santisteban P, et al.
Acta Endocrinol (Copenh) 1981 Dec;98(4):556–63

Susceptibility to proteolysis of thyroglobulin from rats and guinea-pigs treated with excess iodide. Sinadinović J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):232–8

Refractoriness of TSH- and PGE2-stimulated iodine metabolism in cultured porcine thyroid cells, evidence for refractoriness at the level of cAMP action. Takasu N, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):530–9

Some unexpected effects of thyrotrophin on the metabolism of thyroid cells isolated from non-toxic goitre. Wadeleux PA, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):533–9

Metabolic rate and thyroid activity of hens in relation to the state of feathering. Pietras M. **Acta Physiol Pol** 1981 Jul–Aug;32(4):455–9

Thyroid function in patients with hyperemesis gravidarum. Bouillon R, et al. **Am J Obstet Gynecol** 1982 Aug 15; 143(8):922–6

Uptake of radioiodine in follicles of dog C-cell complexes studied by autoradiograph and immunoperoxidase staining. Kameda Y, et al. **Anat Rec** 1981 Aug;200(4):461–70

Iontophoresis: mechanism of action studied by potentiometry and x-ray fluorescence. Puttemans FJ, et al.
Arch Phys Med Rehabil 1982 Apr;63(4):176–80

TSH-treatment of thyroid slices increases the amount of DNA released from nuclei by mild DNase-I digestion. Abe Y, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1102–8

Glycosylation of thyroglobulin and response to thyrotropin of human cultured thyroid cells. Tanini A, et al.
Biochem Biophys Res Commun 1982 Feb 26;104(4):1573–8

Novel transformations of arachidonic acid by the rat thyroid in vitro. Boeynaems JM, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):623–7

Chronic and acute effects of thyrotropin on phosphatidylinositol turnover in cultured porcine thyroid cells. Gerard C, et al. **Biochim Biophys Acta** 1982 Mar 12; 710(3):359–69

Thyrotropin controls cyclic nucleotide metabolism of thyroid follicular cells without affecting membrane potential or input resistance. Green ST, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):36–41

Synthesis of L-fucose in thyroid tissue. Overton K, et al.
Biochim Biophys Acta 1981 Jul;675(2):281–4

Intrathyroidal iodide binding rates and plasma methimazole concentrations in hyperthyroid patients on small doses of carbimazole. Low LC, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):315–8

Autoradiographic localization of 3H-GABA uptake in the thyroid gland of the rat. Gebauer H, et al.
Cell Tissue Res 1981;220(4):873–9

The involvement of the pentose shunt in thyroid metabolism after stimulation with TSH or with immunoglobulins from patients with thyroid disease. II. The reoxidation of NADPH and stimulation of hormone synthesis. Drexhage HA, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):57–63

The involvement of the pentose shunt in thyroid metabolism after stimulation with TSH or with immunoglobulins from patients with thyroid disease. I. The generation of NADPH in relation to stimulation of thyroid growth. Drexhage HA, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):49–56

Thyroid hormones and the regulation of thyroid function in men with coeliac disease. Farthing MJ, et al.
Clin Endocrinol (Oxf) 1982 Jun;16(6):525–35

Thyroxine and triiodothyronine levels in thyroid vein blood and in thyroid tissue of patients with autonomous adenomas. Gheri RG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):485–90

Alterations in thyroid hormone metabolism during chemotherapy in patients with testicular carcinoma. Willemse PH, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):303–13

Effect of iodide on glucose, N-acetylglucosamine and leucine incorporation into acid-insoluble fraction of pig thyroid proteins in vitro. Glowacka D, et al.
Endocrinol Exp (Bratisl) 1981 Sep;15(3):163–70

The effect of desialylation on the in vitro interaction of human chorionic gonadotropin with human thyroid plasma membranes. Amir SM, et al. **Endocrinology** 1981 Oct; 109(4):1203–11

Thyroid iodide compartments and their implication in the rat thyroid iodine organification. Bastiani P, et al.
Endocrinology 1982 May;110(5):1716–9

Effects of thyrotropin, acetazolamide, 4-acetamido-4'-isothiocyanostilbene-2,2'-disulfonic acid, perchlorate, and ouabain on the distribution of iodide ion in cells and luminal fluid of turtle thyroid. Chow SY, et al. **Endocrinology** 1982 Jan;110(1):121–5

TSH stimulates 32P-labeling of thyroid nuclear HMG 14, a protein associated with actively transcribed chromatin. Cooper E, et al. **Endocrinology** 1982 Apr;110(4):1459–61

Recovery from thyroid-stimulating hormone-induced refractoriness in thyroid slices: effect of removal of hormone and new protein synthesis. Field JB, et al.
Endocrinology 1982 Mar;110(3):820–4

Thyroglobulin production by rat thyroid cells in culture: a study at the level of single cells. Fontana S, et al.
Endocrinology 1982 May;110(5):1790–5

Adenosine receptor-mediated accumulation of adenosine 3',5'-monophosphate in guinea pig thyroid tissue. Fradkin JE, et al. **Endocrinology** 1982 Jun;110(6):2018–23

C cell activity during the prenatal and postnatal periods in the rat. Garel JM, et al. **Endocrinology** 1981 Nov; 109(5):1573–7

Outer and inner ring monodeiodination of thyroxine by dog thyroid and liver: a comparative study using a particulate cell fraction. Laurberg P, et al. **Endocrinology** 1982 Jun; 110(6):2124–30

Role of the sympathetic nervous system in the control of the goitrogenic response in the rat. Pisarev MA, et al.
Endocrinology 1981 Dec;109(6):2202–7

Regulation of thyroid adenylate cyclase: guanyl nucleotide modulation of thyrotropin receptor–adenylate cyclase function. Saltiel AR, et al. **Endocrinology** 1981 Nov; 109(5):1578–89

Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. Scherberg NH, et al. **Endocrinology** 1981 Nov;109(5):1650–6

A new mechanism for the reabsorption of thyroid iodoproteins: selective fluid pinocytosis. van den Hove MF, et al. **Eur J Biochem** 1982 Feb;122(2):415–22

Application of x-ray fluorescence to the study of iodine distribution and content in the thyroid. Aubert B, et al.
Eur J Nucl Med 1981;6(9):407–10

In vitro synthesis of 300 00 Mr rat thyroglobulin subunit. Alvino CG, et al. **FEBS Lett** 1982 Jan 25;137(2):307–13

Thyroid myosin filament assembly—disassembly is controlled by myosin light chain phosphorylation—dephosphorylation. Martin F, et al.
FEBS Lett 1981 Aug 31;131(2):235–8

An important role of prostacyclin in porcine thyroid cells in culture. Stimulation and refractoriness of cyclic AMP synthesis and iodine metabolism. Takasu N, et al.
FEBS Lett 1981 Jun 29;129(1):83–8

Increases of prostacyclin and PGE2 levels after acute thyrotropin stimulation in cultured porcine thyroid cel's. Takasu N, et al. **FEBS Lett** 1981 Dec 21;136(1):153–9

Hormonal regulation of iodine accumulation in ovary and thyroid of Japanese quail. Newcomer WS.
Gen Comp Endocrinol 1982 Jun;47(2):243–8

Freeze-fracture images on filipin–sterol complexes in the thyroid follicle epithelial cell of mice with special regard to absence of cholesterol at the site of micropinocytosis. Fujita H, et al. **Histochemistry** 1981;73(1):57–63

3',5'-diiodothyronine release from perfused dog thyroids. Laurberg P. **Horm Metab Res** 1981 Dec;13(12):703–5

Iodine, thyroxine (T4), triiodothyronine (T3), 3,3',5'-triiodothyronine (rT3), 3,3'-diiodothyronine (T2) in normal human thyroids. Effect of excessive iodine exposure. Reinwein D, et al. **Horm Metab Res** 1981 Aug; 13(8):456–9

Heterogeneity of immunoreactive calcitonin in extracts of normal human thyroid. Woloszczuk W, et al.
Horm Metab Res 1981 Aug;13(8):460–3

Does-related effect of growth hormone on thyroidal radioiodine uptake. Ching M. **Horm Res** 1981;14(4):234–42

Thyroid metabolism in the elderly [letter] Barzel US.
Hosp Pract 1982 Mar;17(3):13, 16

Thyroglobulin interactions with thyroid membranes. Relationship between receptor recognition of N-acetylglucosamine residues and the iodine content of thyroglobulin preparations. Consiglio E, et al.
J Biol Chem 1981 Oct 25;256(20):10592–9

Favored sites for thyroid hormone formation on the peptide chains of human thyroglobulin. Dunn JT, et al.
J Biol Chem 1982 Jan 10;257(1):88–94

Processing of the carbohydrate units of thyroglobulin. Godelaine D, et al. **J Biol Chem** 1981 Oct 10; 256(19):10161–8

Bovine thyroglobulin. 27 S iodoprotein interactions with thyroid membranes and formation of a 27 S iodoprotein in vitro. Shifrin S, et al. **J Biol Chem** 1982 Aug 25; 257(16):9539–47

Binding of thyroglobulin to bovine thyroid membranes. Role of specific amino acids in receptor recognition. Shifrin S, et al. **J Biol Chem** 1981 Oct 25;256(20):10600–5

Thyrotropin binding and adenylate cyclase activation in normal and neoplastic human thyroid tissue: lack of effect of thyroglobulin. Clark OH, et al.
J Clin Endocrinol Metab 1982 Jun;54(6):1157–63

Acute effects of propylthiouracil (PTU) on thyroidal iodide organification and peripheral iodothyronine deiodination: correlation with serum PTU levels measured by radioimmunoassay. Cooper DS, et al.
J Clin Endocrinol Metab 1982 Jan;54(1):101–7

Evidence for species specificity in the interaction between thyrotropin and thyroid-stimulating immunoglobulin and their receptor in thyroid tissue. Rapoport B, et al.

J Clin Endocrinol Metab 1982 May;54(5):1059–62

Goitrous hypothyroidism due to iodide-trapping defect. Saito K, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1267–72

Reaccumulation of thyroglobulin and colloid in rat and mouse thyroid follicles during intense thyrotropin stimulation. A clue to the pathogenesis of colloid goiters. Gerber H, et al. **J Clin Invest** 1981 Nov;68(5):1338–47

Comparison of human and porcine thyroid membranes for radioreceptor assay of bovine thyrotrophin and thyrotrophin-binding inhibiting immunoglobulins. Humphries H, et al. **J Endocrinol** 1982 Jun;93(3):371–80

Receptor heterogeneity in the human thyroid: differences between thyrotrophin binding sites in membrane and nuclear fractions. Manley SW, et al. **J Endocrinol** 1981 Oct; 91(1):163–73

Graves' IgG stimulation of continuously cultured rat thyroid cells: a sensitive and potentially useful clinical assay. Vitti P, et al. **J Endocrinol Invest** 1982 May–Jun;5(3):179–82

Thyroid uptake of Tc-99m compromising in vivo RBC tagging. Abdel-Nabi H, et al. **J Nucl Med** 1981 Nov; 22(11):1018–9

Reduction of thyroid uptake by iodine absorbed with eye-drop therapy [letter] Ceccarelli C, et al. **J Nucl Med** 1982 Apr;23(4):364

Re: exercise lowers thyroid radioiodine uptake: concise communication [letter] Johnson JR. **J Nucl Med** 1981 Sep; 22(9):834–5

Interaction between iodothyronines and thyrotropin receptor in human cultured thyroid cells. Rotella CM, et al. **J Recept Res** 1981–82;2(4):367–82

Cooling enhances adenosine 3':5' monophosphate accumulation in thyrotropin stimulated dog thyroid slices. Delbeke D, et al. **Metabolism** 1982 Aug;31(8):797–804

Measurement of thyrotropin receptor antibodies. Smith BR, et al. **Methods Enzymol** 1981;74 Pt C:405–20

Direct visualization of membrane clustering and endocytosis of thyrotropin into cultured thyroid cells. Avivi A, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):55–71

Iodination of thyroglobulin. An intracellular or extracellular process? Ekholm R. **Mol Cell Endocrinol** 1981 Nov; 24(2):141–63 (128 ref.)

GABA transport in the rat thyroid. Gebauer H. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):61–6

Effect of thyrotropin on 32P-labelled histones H1 and H3 in specific populations of nucleosomes in the thyroid. Cooper E, et al. **Nucleic Acids Res** 1981 Jul 24; 9(14):3389–401

Endocrine abnormalities in primary hyperparathyroidism. Hamilton DV, et al. **Postgrad Med J** 1981 Mar; 57(665):167–71

Reevaluation of the role of gangliosides in the binding and action of thyrotropin. Beckner SK, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4848–52

Separation of two thyrotropin binding components from porcine thyroid tissue by affinity chromatography: characterization of high and low affinity sites. Drummond RW, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2202–6

Development of regulatory mechanisms in the thyroid: failure of iodide to suppress iodide transport activity. Sherwin JR. **Proc Soc Exp Biol Med** 1982 Apr; 169(4):458–62

Plasma calcium, plasma and thyroidal calcitonin, and histomorphometric bone changes in parathyroidectomized rats. Vanderwiel CJ, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):305–12

Arachidonate metabolism in the mouse thyroid implication of the lipoxygenase pathway in thyrotropin action. Levasseur S, et al. **Prostaglandins** 1981 Oct;22(4):663–73

Protein synthesis in hyperfunctioning human thyroid tissue. Anderberg B, et al. **Scand J Clin Lab Invest** 1980; 40(8):721–6

[Thyroid radioiodine uptake studies in schoolagers and adolescents using iodine-132 (author's transl)] Yang MF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar;3(1):50–2 (Eng. Abstr.) **(Chi)**

[Biosynthesis and secretion of thyroglobulin (author's transl)] Lissitzky S. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):363–73 (Eng. Abstr.) **(Fre)**

[Molecular aspects of biosynthesis of calcitonin and its precursors] Desplan C. **Biochimie** 1982 Apr;64(4):III–VI (34 ref.) **(Fre)**

[Insulin binding to isolated thyroid plasma membrane] Brisson-Lougarre A, et al. **C R Seances Acad Sci [III]** 1981 Oct 12;293(5):275–80 (Eng. Abstr.) **(Fre)**

[Retroinhibition of thyroid iodide active transport in rats, after a long iodine deficient diet followed by a normal iodine diet] Rognoni JB, et al. **C R Seances Acad Sci [III]** 1982 Jan 4:294(1):25–30 (Eng. Abstr.) **(Fre)**

[Tunicamycin inhibition of carbohydrate incorporation into thyroglobulin] Monaco F, et al. **C R Soc Biol (Paris)** 1981; 175(4):446–51 (Eng. Abstr.) **(Fre)**

[Thyroidal 123I-uptakes using mild restriction of iodine (author's transl)] Wanibe S, et al. **Kaku Igaku** 1982 Mar; 19(2):297–304 **(Jpn)**

[Iodine metabolism in 'cold' thyroid nodules (author's transl)] Inoue K, et al. **Rinsho Byori** 1982 Feb;30(2):164–9 **(Jpn)**

[Metabolism of thioureylene antithyroid drugs--particularly with relationship between intrathyroidal metabolism of the drugs and the mechanisms of action (author's transl)] Nakashima T. **Rinsho Byori** 1982 Feb;30(2):170–8 (16 ref.) **(Jpn)**

[Effect of the ingestion of soybean fractions, raw or autoclaved, on the rat thyroid] Filisetti TM, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):287–302 (Eng. Abstr.) **(Por)**

[Absorption of radioactive iodine by cells of the follicular and interfollicular epithelia of the thyroid gland] Krivobok IuV. **Biull Eksp Biol Med** 1981 Jul;92(7):90–1 (Eng. Abstr.) **(Rus)**

[Effect of immunization on functional state of thyroid gland and thyroxine binding in rat organs] Serebrov VIu, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):46–8 (Eng. Abstr.) **(Rus)**

[Effect of histamine on the thyroid function] Gerbil'skiĭ LV. **Fiziol Zh** 1982 Jan–Feb;28(1):94–6 **(Rus)**

[Age and changes in thyroid function and tissue metabolism of its hormones] Iasenchak SA, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):25–9 **(Rus)**

[Study of the iodine-absorptive function and topography of the thyroid gland with sodium iodide labeled with short-life I-123] Volkov AA, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):34–6 (Eng. Abstr.) **(Rus)**

[Collagen content of the thyroid tissue and/urinary hydroxyproline in various forms of goiter] Guseĭnov IA. **Probl Endokrinol (Mosk)** 1981 Sep–Oct;27(5):20–4 (Eng. Abstr.) **(Rus)**

[Reaccumulation of colloids in the thyroid during chronic stimulation with thyrotropin] Sinadinović J, et al. **Srp Arh Celok Lek** 1981 Apr;109(4):479–91 (Eng. Abstr.) **(Scc)**

PATHOLOGY

Diagnosis of chronic lymphocytic thyroiditis (nodular presentation) by needle aspiration. Friedman M, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):513–22

Cytopathology of Hürthle cell lesions of the thyroid gland by fine needle aspiration. Kini SR, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec;25(6):647–52

The relationships between surgical histometry, outcome and pre-treatment in Graves' disease. Wilkin TJ, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):43–9

Circadian rhythm of mitotic activity in normal and hyperplastic rat thyroid. Wynford-Thomas D, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):46–50

Black thyroid. Morphological, biochemical and geriatric studies on the brown granules in the thyroid follicular cells. Matsubara F, et al. **Acta Pathol Jpn** 1982 Jan;32(1):13–22

Thyroid gland morphology after lithium treatment. Fauerholdt L, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jul;89(4):339–41

Age-associated C-cell hyperplasia in the human thyroid. Gibson WG, et al. **Am J Pathol** 1982 Mar;106(3):388–93

Animal model of human disease. Lymphocytic thyroiditis. Autoimmune thyroiditis in rats induced by thymectomy and irradiation. Penhale WJ, et al. **Am J Pathol** 1982 Feb; 106(2):300–2

Block in the expression of differentiation markers of rat thyroid epithelial cells by transformation with Kirsten murine sarcoma virus. Fusco A, et al. **Cancer Res** 1982 Feb;42(2):618–26

Familial medullary thyroid carcinoma and C cell hyperplasia. Wolfe HJ, et al. **Clin Endocrinol Metab** 1981 Jul; 10(2):351–65

Fine needle aspiration of the thyroid-review of a valuable diagnostic technique. Walts AE. **Clin Otolaryngol** 1982 Jun; 7(3):205–14 (23 ref.)

Acute toxicity of copper and its probable effect on thyroid of the fry of Ophiocephalus punctatus Bloch. Srivastava DK, et al. **Experientia** 1981 Dec 15;37(12):1317–8

The impact of needle biopsy on the preoperative diagnosis of thyroid nodules. Miller JM, et al. **Henry Ford Hosp Med J** 1980;28(2–3):145–8

Pituitary is not required for the compensatory thyroid hyperplasia. Lewiński A. **Horm Res** 1981;15(3):189–97

Ultrastructure in C cell hyperplasia in asymptomatic patients with hypercalcitoninemia and a family history of medullary thyroid carcinoma. Asaadi AA. **Hum Pathol** 1981 Jul; 12(7):617–22

Transformation of rat thyroid epithelial cells by Kirsten murine sarcoma virus. Fusco A, et al. **Int J Cancer** 1981 Nov 15;28(5):655–62

A fresh look at an old thyroid disease: euthyroid and hyperthyroid nodular goiter. Studer H. **J Endocrinol Invest** 1982 Jan–Feb;5(1):57–68

Experimental ancylostomiasis in Swiss albino mice: adrenal and thyroid histopathology. Bhai I, et al. **J Helminthol** 1981 Dec;55(4):295–305

Shedding of dense cell fragments into the follicular lumen early in involution of the hyperplastic thyroid gland. Tachiwaki O, et al. **Lab Invest** 1982 Jul;47(1):91–8

The pathobiology of the human calcitonin (C)-cell: a review. de Lellis RA, et al. **Pathol Annu** 1981;16(Pt 2):25–52 (65 ref.)

Histopathologic differential diagnosis of the thyroid. Livolsi VA, et al. **Pathol Annu** 1981;16(Pt 2):357–406 (235 ref.)

Influence of phenylalanine and lysine deficiencies on thyroid morphology in the chick. Elkin RG, et al. **Poult Sci** 1981 Apr;60(4):878–81

Reevaluation of needle aspiration cytology in detection of thyroid cancer. Rosen IB, et al. **Surgery** 1981 Oct; 90(4):747–56

Fine needle aspiration cytology in thyroid disease. Huang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep; 80(9):902–8

The utility of fine needle aspiration biopsy cytology in the management of thyroid tumors. Varhaug JE, et al. **World J Surg** 1981 Jul;5(4):573–7

[Histological investigations on the thyroid gland of sand rats (Psammomys obesus) during the development of diabetes mellitus (author's transl)] Hahn von Dorsche H. **Anat Anz** 1981;150(3):343–5 **(Ger)**

[Volume determination of the thyroid gland using sonography and compared to other methods] Igl W. **Verh Dtsch Ges Inn Med** 1981;87:379–82 **(Ger)**

[Morphological investigations of the rat thyroid under lead intoxication and experimental hypothyroid (author's transl)] Peschke E, et al. **Z Mikrosk Anat Forsch** 1981; 95(5):771–84 (Eng. Abstr.) **(Ger)**

[On the strategy of measuring in gerontology (author's transl)] Rother P, et al. **ZFA (Dresden)** 1981;36(6):489–93 (Eng. Abstr.) **(Ger)**

[Cytologic diagnosis of the thyroid disease by fine needle aspiration biopsy (author's transl)] Toriya K. **Horumon To Rinsho** 1982 Mar;30(3):243–8 **(Jpn)**

[Abnormal thyroid gland occurred in a colony of Xenopus laevis maintained at Gumma University (author's transl)] Nobunaga T, et al. **Jikken Dobutsu** 1981 Oct;30(4):471–80 (Eng. Abstr.) **(Jpn)**

[Clinico-pathological and histo-pathological studies on Graves' disease: with special reference to the correlation of morphological features and their clinical course (author's transl)] Ooi T. **Nippon Ika Daigaku Zasshi** 1981 Feb; 48(1):38–48 (Eng. Abstr.) **(Jpn)**

[Nodular changes in the thyroid of children with a congenital defect of thyroid hormone synthesis] Rybakowa M, et al. **Folia Med Cracov** 1981;23(2):203–10 **(Pol)**

[Mechanism of folliculogenesis in the rat thyroid in long-term hypercalcemia] Fedchenko NP. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):60–6 (Eng. Abstr.) **(Rus)**

[Morphofunctional findings on the reversibility of changes occurring during cold stress] Ryzhavskiĭ BIa, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):657–8 (Eng. Abstr.) **(Rus)**

[Use of aspiration biopsy of the thyroid and the determination of thyroid autoantibodies circulating in the blood in the diagnosis of autoimmune thyroiditis] Levit ID. **Sov Med** 1982;(1):82–5 **(Rus)**

PHYSIOLOGY

Thyroid control: an example of a complex cell regulation network. Dumont JE, et al. **Adv Cyclic Nucleotide Res** 1981;14:479–89

The zinc-retinol-thyroid interaction [letter] Cope FO. **Am J Clin Nutr** 1982 Apr;35(4):774–6

Thyroid function in the elderly. Burroughs V, et al. **Am J Med Sci** 1982 Jan–Feb;283(1):8–17 (83 ref.)

Comparison of the 'mammal machine' and the 'reptile machine': energy use and thyroid activity. Hulbert AJ, et al. **Am J Physiol** 1981 Nov;241(5):R350–6

Sympathetic activity in thyroid-treated Zucker rats. Levin BE, et al. **Am J Physiol** 1982 Jul;243(1):R170–8

Congenital hypothyroidism and transient thyrotropin excess: differential diagnosis of abnormal newborn thyroid screening. Wilson BE, et al. **Ann Clin Lab Sci** 1982 May–Jun;12(3):223–33 (52 ref.)

Effects of thyroid states on the Cori cycle, glucose--alanine cycle, and futile cycling of glucose metabolism in rats. Huang MT, et al. **Arch Biochem Biophys** 1981 Jun; 209(1):41–51

Rate of synthesis and degradation of rat liver phosphoenolpyruvate carboxykinase in the differential thyroid states. Sibrowski W, et al. **Arch Biochem Biophys** 1982 Jan;213(1):327–33

Thyroid status and muscarinic receptor density and affinity in rat intestinal smooth muscle. Gaginella TS, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):200–9

The influence of thyroid function on serum lipid profile. Raziel A, et al. **Atherosclerosis** 1982 Feb;41(2–3):321–6

Effect of thyroid state on ketogenic capacity of the isolated perfused liver of starved rats. Müller MJ, et al. **Biochim Biophys Acta** 1981 Dec 23;666(3):475–81

Effects of hemidecortication on the regulation of rat thyroid function. Nonaka KO, et al. **Braz J Med Biol Res** 1981 Oct;14(4–5):291–9

Dietary and thyroparathyroidal regulation of calcium excretion into the bile of rats. Yamaguchi M, et al. **Chem Pharm Bull (Tokyo)** 1981 Apr;29(4):1172–5

Modulation of T4 5'-monodeiodination in rat anterior pituitary and liver homogenates by thyroid states and fasting. Naito K, et al. **Endocrinol Jpn** 1981 Dec;28(6):793–8

Effects of hydrogen peroxide-generating systems on the Wolff-Chaikoff effect. Chiraseveenuprapund P, et al. **Endocrinology** 1981 Dec;109(6):2095–102

Influence of cell density on desensitization of the thyroid cell cyclic adenosine 3',5'-monophosphate response to thyrotropin stimulation. Filetti S, et al. **Endocrinology** 1981 Oct;109(4):1156–63

Modulation by thyroid status of the actions of glucagon and dibutyryl adenosine 3',5'-monophosphate on metabolism of free fatty acids by the isolated perfused rat liver. Shaheen O, et al. **Endocrinology** 1982 May;110(5):1740–8

Studies on the bioactivity of radioiodinated highly purified bovine thyrotropin: analytical polyacrylamide gel

electrophoresis. Takai NA, et al. **Endocrinology** 1981 Oct; 109(4):1144–9

Some effects of triamcinolone pretreatment on intravenous glucose tolerance test in patients with different thyroid function. Zamrazil V, et al. **Endokrinologie** 1981 Oct; 78(1):73–83

Thyroid gland influences the period of hamster circadian oscillations. Beasley LJ, et al. **Experientia** 1982 Jul 15; 38(7):870–1

Effect of chronic ingestion of sodium acetate on thyroid function. Goldman M. **Experientia** 1981 Dec 15; 37(12):1348–9

Thyroid activity and experimental evidence for its role in reproduction in the adder Vipera berus. Nilson G. **Gen Comp Endocrinol** 1982 Jun;47(2):148–58

Diurnal and seasonal variations in thyroid function of neotenic tiger salamanders (Ambystoma tigrinum). Norris DO, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):134–7

Thyrotropin-releasing hormone and thyrotropin in the control of thyroid function in the turtle, Chrysemys picta. Sawin CT, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):7–11

Changes in thyroidal and plasma iodine compounds during and after metamorphosis of the bullfrog, Rana catesbeiana. Suzuki S, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):74–81

Thyroid, gonad, and photoperiod in the hemopoiesis of the migratory red-headed bunting, Emberiza bruniceps. Thapliyal JP, et al. **Gen Comp Endocrinol** 1982 Mar; 46(3):327–32

Effect of chronic lithium treatment on hypothalamic-pituitary regulation of thyroid function. Bagchi N, et al. **Horm Metab Res** 1982 Feb;14(2):92–3

Gestational age and thyroid economy at birth in full-term newborns. De Luca F, et al. **Horm Metab Res** 1981 Jul; 13(7):412–3

Thyroid cell hyporesponsiveness in cockerels treated with follicle stimulating hormone (FSH) or thyrotropin (TSH) at hatching. Dobozy O, et al. **Horm Metab Res** 1981 Oct; 13(10):587–8

In vivo and in vitro studies on the pineal-thyroid relationship. Singh AK, et al. **Indian J Med Res** 1981 Sep;74:420–7

Effect of thyroid status on beta-adrenoreceptors and muscarinic receptors in the rat lung. Baker SP. **J Auton Pharmacol** 1981 Sep;1(4):269–77

Purification of a stimulator of microtubule assembly from bovine thyroid. Berk BC, et al. **J Biol Chem** 1981 Nov 25;256(22):11859–65

Inhibitors of specific aminoacyl-tRNA synthetases prevent thyrotropin-induced desensitization in cultured human thyroid cells. Filetti S, et al. **J Biol Chem** 1982 Feb 10; 257(3):1342–6

Effect of different thyroid states on rat liver glucokinase synthesis and degradation in vivo. Sibrowski W, et al. **J Biol Chem** 1981 Sep 25;256(18):9490–4

Evidence for mild thyroidal impairment in women undergoing endurance training. Boyden TW, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):53–6

Correlation of iodide transport with Na + ,K+ ATPase, HCO3-ATPase and carbonic anhydrase activities in different functional states of the rat thyroid gland. Chow SY, et al. **J Endocrinol** 1982 Mar;92(3):371–9

Pituitary, thyroid and adrenal responses to clonidine in dairy cattle. Gorewit RC. **J Endocrinol Invest** 1981 Apr-Jun; 4(2):135–9

Energetic consequences of thyroid-modulated shifts in ventricular isomyosin distribution in the rat. Loiselle DS, et al. **J Muscle Res Cell Motil** 1982 Mar;3(1):5–23

Influence of endocrine and chemical factors on glucagon induced thermogenesis in brown adipocytes. Yahata T, et al. **Jpn J Physiol** 1982;32(2):303–7

Hormonal control of growth of the infant rat. II. Effects of hypophysectomy, thyroidectomy and the combination of these operations: evidence that neither TSH nor thyroxine is transferred via milk to suckling young. Glasscock GF, et al. **Life Sci** 1982 Mar 1;30(9):761–9

PLasma renin activity in syndromes of thyroid hormone excess and deficiency. Resnick LM, et al. **Life Sci** 1982 Feb 15–22;30(7–8):585–6

The pineal and melatonin in the regulation of pituitary-thyroid axis. Vriend J. **Life Sci** 1981 Nov 9; 29(19):1929–36 (58 ref.)

Rat cardiac muscarinic receptors. II. Influence of thyroid status and cardiac hypertrophy. Robberecht P, et al. **Mol Pharmacol** 1982 May;21(3):589–93

Thyroid-pituitary interaction: feedback regulation of thyrotropin secretion by thyroid hormones. Larsen PR. **N Engl J Med** 1982 Jan 7;306(1):23–32 (81 ref.)

Physiology of turkey embryos during pipping and hatching III. Thyroid function. Christensen VL, et al. **Poult Sci** 1982 Feb;61(2):367–74

Inhibitory action of iodothyronines on the thyroid. Possible role in the autoregulatory mechanism. Pisarev MA, et al. **Prog Clin Biol Res** 1981;74:103–14 (36 ref.)

Direct and indirect effects of estrogens on thyroidal economy of man. Zaninovich AA. **Prog Clin Biol Res** 1981;74:95–102 (35 ref.)

Thyroid hormone control over rat liver membrane lipids. Hoch FL. **Prog Lipid Res** 1981;20:225–8

Stimulation by thyrotropin-releasing hormone of vagal outflow to the thyroid gland. Tonoue T. **Regul Pept** 1982 Jan;3(1):29–39

Absorption of colostral IgG1 by the newborn lamb: influence of the length of gestation, birthweight and thyroid function. Cabello G, et al. **Res Vet Sci** 1981 Sep;31(2):190–4

[Role of the thyroid and adrenal glands in the physiology and pathology of puberty in young girls] Spasov S, et al. **Akush Ginekol (Sofiia)** 1981;20(6):481–6 (21 ref.) (Eng. Abstr.) **(Bul)**

[Thyroid function and its effect on arterial pulse propagation time (author's transl)] Ceňková V, et al. **Cas Lek Cesk** 1982 Jun 11;121(23):710–3 (Eng. Abstr.) **(Cze)**

[Influence of thyroidectomy and PTU treatment on cartilage ultrastructure in the embryo and very young dogfish (scyllium canicula, chondrichthyes) (author's transl)] Alluchon-Gérard MJ. **Arch Anat Microsc Morphol Exp** 1982;71(1):51–70 (Eng. Abstr.) **(Fre)**

[Interrelationships between pars intermedia and posterior pituitary with regard to corticotrophic and thyrotrophic partial function in rats] Geierhaas B, et al. **Endokrinologie** 1981 Oct;78(1):47–56 (Eng. Abstr.) **(Ger)**

[Assessment of the loss of thyroid hormone during hemodialysis by administration of a hormone tracer in an in vitro experiment (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):294–8 (Eng. Abstr.) **(Ger)**

[Thyroid function and the climacteric] De Aloysio D, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar-Apr; 103(2):128–33 (Eng. Abstr.) **(Ita)**

[Serum TBG concentration and thyroid function in various clinical states (author's transl)] Kaneko H, et al. **Horumon To Rinsho** 1982 Feb;30(2):139–44 **(Jpn)**

[Effects of halothane anesthesia and minor surgery on thyroid function in children (author's transl)] Matsuki A, et al. **Masui** 1981 Feb;30(2):115–9 (Eng. Abstr.) **(Jpn)**

[T4, T3, T3 resin uptake, TBG and free T4 levels for thyroid functions in normal and molar pregnancy (author's transl)] Murata K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):292–8 (Eng. Abstr.) **(Jpn)**

[Role of prostaglandins in thyroid function] Róg M, et al. **Pol Tyg Lek** 1982 May 3;37(9–10):273–5 (30 ref.). **(Pol)**

[Pathogenesis of thyroid regeneration in women following strumectomy] Zych F, et al. **Pol Tyg Lek** 1982 Apr 19; 37(7):189–90 (Eng. Abstr.) **(Pol)**

[Monosynaptic spinal reflexes following thyroidectomy or aurantin administration to animals with transected sciatic nerves] Mantulo PM, et al. **Fiziol Zh** 1982 Mar-Apr; 28(2):145–9 (Eng. Abstr.) **(Rus)**

[Characteristics of breast milk in parturients with different levels of thyroid function] Bagdasarova VSh. **Pediatriia** 1982 Feb;(2):9–11 (Eng. Abstr.) **(Rus)**

[Functional and histological study of the thyroid gland of rats fed detoxified rapeseed flour] Ballester D, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):796–807 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Effect of lithium on the TRH-test. Höschl C. **Act Nerv Super (Praha)** 1981 Dec;23(4):276–8

Thyroid function in 44 patients with amyotrophic lateral sclerosis. Kiessling WR. **Arch Neurol** 1982 Apr;39(4):241–2

An ultrastructural study of postprandial changes in bone lining cells of lead-injected thyroidectomized and thyroid-intact rats. VanderWiel CJ, et al. **Calcif Tissue Int** 1982 May;34(3):295–300

Studies on endemic goiter and endemic cretinism in Guizhou: observations on iodine metabolism and pituitary thyroid axis functional status. Zhu XY, et al. **Chin Med J [Engl]** 1981 Sep;94(9):555–66

Serum thyroglobulin in normal and hypothyroid neonates. Black EG, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):267–74

Variations in clinical, hormonal and serological expressions of chronic lymphocytic thyroiditis (CLT) in children and adolescents. Gruñeiro de Papendieck L, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):19–28

Biochemical and clinical effects of fenclofenac in thyrotoxicosis. Pearson DW, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):369–73

Thyroid function in chronic renal failure after successful renal transplantation. Vaziri ND, et al. **Clin Nephrol** 1981 Mar;15(3):131–4

Alterations in thyroid function in patients with systemic illness: the 'euthyroid sick syndrome'. Wartofsky L, et al. **Endocr Rev** 1982 Spring;3(2):164–217 (657 ref.)

Decreased thyroidal response to thyrotropin in diabetic mice. Bagchi N, et al. **Endocrinology** 1981 Nov;109(5):1428–32

Altered pituitary-thyroid function in the Brattleboro rat with diabetes insipidus. Fujimoto S, et al. **Endocrinology** 1982 May;110(5):1628–33

Are iodine-deficient rats euthyroid? Santisteban P, et al. **Endocrinology** 1982 May;110(5):1780–9

Involution of rat iodoprive hyperplastic goiter: effect of iodide administration on thyroid function and lysosomal properties. van den Hove-Vandenbroucke MF, et al. **Endocrinology** 1982 May;110(5):1812–8

Hypothalamus-adenohypophysis-thyroid axis in spontaneously hypertensive rats (SHR). Männistö PT, et al. **Experientia** 1981;37(8):907–9

Thyroid function after radiotherapy and laryngectomy for carcinoma of the larynx. Palmer BV, et al. **Head Neck Surg** 1981 Sep-Oct;4(1):13–5

Thyroid function and disease in the elderly. Blum M. **Hosp Pract** 1981 Oct;16(10):105–8, 110, 113 passim (0 ref.)

Pineal thyroid relationship in psychic stress. Singh PM, et al. **Indian J Exp Biol** 1981 Jul;19(7):676–7

Thyroid function in tetanus. Dastur FD, et al. **J Assoc Physicians India** 1981 Jul;29(7):519–25

Influence of increasing iodine intake on thyroid function in euthyroid and hyperthyroid states. Emrich D, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1236–41

Peripheral resistance to thyroid hormone in an infant. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1981 Nov; 53(5):958–63

Thyroid function and chronic hepatosplenic schistosomiasis: peripheral conversion of thyroxine to 3,5,3'-triiodothyronine and pituitary-thyroid relationship. Medeiros-Neto GA, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):403–7

Evidence for a factor in the sera of patients with nonthyroidal disease which inhibits iodothyronine binding by solid matrices, serum proteins, and rat hepatocytes. Oppenheimer JH, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):757–66

Pituitary-thyroid feedback regulation in patients with Graves' disease during antithyroid drug therapy. Yamada T, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):83–8

Evaluation of thyroid status [letter] Zweig MH. **JAMA** 1982 Apr 23;247(16):2231–2

Asthma and the thyroid [letter] Ayres J, et al. **Lancet** 1981 Nov 14;2(8255):1110–1

Research workshop of the Thyroid Foundation--Mayo Clinic. The thyroid and hypertension. **Life Sci** 1982 Feb 15–22;30(7–8):555–702

Renal-thyroid interrelationship in normotensive and hypertensive rats. Fregly MJ, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):589–99

Cyclical combination chemotherapy and thyroid function in patients with advanced Hodgkin's disease. Sutcliffe SB, et al. **Med Pediatr Oncol** 1981;9(5):439–48

Lipoatrophic diabetes: endocrine dysfunction and the response to control hypertriglyceridemia. Soler NG, et al. **Metabolism** 1982 Jan;31(1):19–24

Interrelationships among blood pressure, renal function, thyroid activity and renal thyroid depressing factor in renal hypertensive rats. Threatte RM, et al. **Pharmacology** 1982; 24(4):201–10

Neuroendocrinological implications of alcoholism. Rawat AK. **Prog Biochem Pharmacol** 1981;18:35–57 (66 ref.)

Neuroendocrine effects of fetal alcohol exposure. Taylor AN, et al. **Prog Biochem Pharmacol** 1981;18:99–110 (42 ref.)

Thyroid activity during hepatocarcinogenesis by N-2-fluorenylacetamide in the male rat. Aussel C, et al. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):105–17

Effect of the thyroid status and protein-calorie malnutrition on the rate of myofibrillar protein degradation in mature male rats. Santidrián S, et al. **Rev Esp Fisiol** 1981 Sep; 37(3):309–16

Thyroid function after thermal trauma. Smeds S, et al. **Scand J Plast Reconstr Surg** 1981;15(2):141–8

The effect of acute spinal cord compression injury on thyroid function in the rat. Tator CH, et al. **Surg Neurol** 1982 Jul; 18(1):64–8

Thyroid status in cobalt and vitamin B12 deficiency in goats. Mgongo FO, et al. **Vet Rec** 1981 Jul 18;109(3):51–3

[Peripheral thyroid function and TRH-TSH test in patients with acromegaly] Heberling HJ, et al. **Z Gesamte Inn Med** 1981 Apr 15;36(8):306–8 (Eng. Abstr.) **(Ger)**

[Relation between hypoxia and thyroid function] Vasta M, et al. **Minerva Med** 1982 Aug 25;73(32–33):2067–73 (Eng. Abstr.) **(Ita)**

[A study of thyroid function in patients with Graves' disease after 5 to 10 years of subtotal thyroidectomy: with special emphasis on TRH tests, T3 suppression tests and antithyroid antibodies in euthyroid patients (author's transl)] Fukino O, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20;57(11):1581–90 (Eng. Abstr.) **(Jpn)**

[Metabolic changes in Chagas' disease] Diament J, et al. **Arq Bras Cardiol** 1981 Dec;37(6):489–94 **(Por)**

[Hypophyseo-thyroid system in stress stenocardia and myocardial infarct with favorable and unfavorable course] Nabiulin MS, et al. **Kardiologiia** 1982 Apr;22(4):78–80 (Eng. Abstr.) **(Rus)**

[Hypophyseal-thyroid system in the dynamics of complicated and uncomplicated myocardial infarct] Nabulin MS, et al. **Kardiologiia** 1982;22(7):72–5 (Eng. Abstr.) **(Rus)**

[Results of the surgical treatment of patients with nodular euthyroid goiter] Mazurik MF, et al. **Klin Khir** 1981 Dec; (12):4–6 (Eng. Abstr.) **(Rus)**

[Functional state and characteristics of thyroid activity regulation in iron-deficient anemias in children] Sukhanov IuS, et al. **Pediatriia** 1981 Dec;(12):37–9 **(Rus)**

[Hypophyseal-thyroid system function of animals in the early periods after tumor transplantation] Lebedev AS, et al. **Probl Endokrinol (Mosk)** 1982 Mar-Apr;28(2):57–60 (Eng. Abstr.) **(Rus)**

[Hypophyseal-thyroid system function in rheumatoid arthritis] Khetagurova ZV. **Sov Med** 1982;(5):53–6 (Eng. Abstr.) **(Rus)**

[Effect of various methods of treatment of obesity on the hypothalamo-hypophyseal system and thyroid function] Marova EI, et al. **Sov Med** 1981;(8):13–8 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of temporal lobe epilepsy depending on the thyroid function] Prostakova TI, et al. **Sov Med** 1981;(7):96–9 **(Rus)**

[Effect of stress on concentration of blood glycoproteins in

rats with different functional changes in the thyroid gland] Kuz'mak NI, et al. **Vopr Med Khim** 1982 May-Jun; 28(3):89-94 **(Rus)**

[Participation of the thyroid gland in the mechanism of development of cerebral circulatory disorders (clinico-experimental study)] Buletsa BA, et al. **Zh Nevropatol Psikhiatr** 1981;81(9):1301-4 (Eng. Abstr.) **(Rus)**

[Clinical features of temporal lobe epilepsy and the functional state of the thyroid] Shutov AA, et al. **Zh Nevropatol Psikhiatr** 1982;82(6):49-53 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

The effect of radiation on thyroid C cells. Thurston V, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):72-8

The management of radiation-induced tumours of the thyroid. Korff JM, et al. **Clin Endocrinol Metab** 1981 Jul; 10(2):299-315

Effect of irradiation on the proliferation kinetics of thyroid follicular cells in infant rats. Christov K. **Exp Pathol** 1982; 21(2):117-22

Long-term effect of radiation on thyroid function and tumor formation. Prinz RA, et al. **J Surg Res** 1982 Apr; 32(4):329-37

Thyroid hypofunction after exposure to fallout from a hydrogen bomb explosion. Larsen PR, et al. **JAMA** 1982 Mar 19;247(11):1571-5

Radiotherapy and thyroid function [letter] Peden NR, et al. **Lancet** 1982 Jun 19;1(8286):1410-1

Radiation dose to the thyroid in the treatment of acute lymphoblastic leukemia (ALL). Rogers PC, et al. **Med Pediatr Oncol** 1982;10(4):385-8

Dose calculations for 123I, 124I, 125I and 131I in the thyroid gland of the mouse, rat and man and comparison with thyroid function for mice and rats. van Best JA. **Phys Med Biol** 1981 Nov;26(6):1035-53

The effects of radiation on the thyroid gland: a quantitative analysis. Rall JE. **Prog Clin Biol Res** 1981;74:29-43 (20 ref.)

Studies on acute in vivo exposure of rats to 2450-MHz microwave radiation. II. Effects on thyroid and adrenal axes hormones. Abhold RH, et al. **Radiat Res** 1981 Dec; 88(3):448-55

[Relative biological effectiveness of 125I and 131I] Kalistratova VS, et al. **Med Radiol (Mosk)** 1982 Apr; 27(4):49-51 (Eng. Abstr.) **(Rus)**

[Hypophyseal-thyroid system function of rats exposed to prolonged internal irradiation] Dedov VI, et al. **Radiobiologiia** 1981 May-Jun;21(3):401-6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Evolution of thyroid 127I stores measured by X-ray fluorescence in subacute thyroiditis. Fragu P, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):162-6

[Indirect thyroidolymphography in the diagnosis of thyroid diseases] Kradinov AI, et al. **Vestn Rentgenol Radiol** 1981 Nov-Dec;(6):63-7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Evaluation of thyroid scintigraphic lesions by whole-organ sections and autoradiography. Risberg B, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Jan; 90(1):19-26

Thyroid scanning & the significance of the solitary cold nodule. Tan BC, et al. **Ann Acad Med Singapore** 1981 Jul; 10(3):293-7

The value of technetium Tc 99m pertechnetate thyroid scanning in the diagnosis of factitious thyrotoxicosis [letter] Abdel-Nabi H, et al. **Arch Intern Med** 1982 Mar; 142(3):644-5

Thyroid imaging and function studies. Ashkar FS. **Clin Nucl Med** 1981 Oct;6(10S):P77-86

Combined nuclear medicine and ultrasound studies in the evaluation of suppressed thyroid tissue. Cornelius EA. **Clin Nucl Med** 1982 Jan;7(1):8-9

Thyroid pertechnetate scan in neonatal hyperthyroidism. Robinson AC, et al. **Ir J Med Sci** 1982 Jan;151(1):22-3

Thyroid uptake measurements with I-123: problems and pitfalls: concise communication. Chervu S, et al. **J Nucl Med** 1982 Aug;23(8):667-70

Pitfalls in the lateral imaging of the thyroid with pinhole collimators. Jain AN, et al. **Nuklearmedizin** 1981 Dec; 20(6):290-3

Determination spatially distributed iodine thyroidal activity using coincidence counting. Whiting JS, et al. **Phys Med Biol** 1981 Sep;26(5):921-4

[Comparative radioisotope study of the thyroid in various species of agricultural animals] Georgiev P, et al. **Vet Med Nauki** 1981;18(6):82-6 (Eng. Abstr.) **(Bul)**

[Thyreoliberin VUFB in thyroid gammagraphy (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Mar 5; 121(9):269-72 (Eng. Abstr.) **(Cze)**

[Current extent and significance of in vivo diagnosis of the thyroid gland using radionuclides] Börner W. **Verh Dtsch Ges Inn Med** 1981;87:367-77 **(Ger)**

[Scintigraphy of the thyroid gland and iodine determination using the fluorescent technic] Leisner B. **Verh Dtsch Ges Inn Med** 1981;87:377-9 **(Ger)**

[Clinical evaluation of measurement of human serum thyroglobulin and thyroid scintigraphy for differential diagnosis of thyroid nodules (author's transl)] Yamashita S, et al. **Kaku Igaku** 1981 Aug;18(7):935-9 (Eng. Abstr.) **(Jpn)**

SECRETION

Inhibition of thyroidal iodine release by oestrogens in euthyroid subjects. Zaninovich AA, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):386-92

Chemical hyperthyroidism: serum triiodothyronine levels in clinically euthyroid individuals treated with levothyroxine. Salmon D, et al. **Arch Intern Med** 1982 Mar;142(3):571-3

Effects of trypan blue on thyroid secretion. Inhibition of purified cathepsin D from bovine thyroid. Battle CL, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):8-15

Effect of aging on the morphology and function of the thyroid gland of the cream hamster. Further evidence for two different mechanisms of hormone secretion. Nève P, et al. **Cell Tissue Res** 1981;220(3):499-509

Analysis of factors in hyperthyroidism, which determine the duration of suppressive treatment before recovery of thyroid stimulating hormone secretion. Fischer HR, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):575-85

Stimulation of in vitro release of calcitonin from rat and human C-cells by cimetidine. Cooper CW, et al. **Endocrinology** 1981 Nov;109(5):1772-4

Effect of chronic iodide supplements on thyroid secretion: the role of lysosomes. Lamas L, et al. **Endocrinology** 1982 May;110(5):1804-11

Iodothyronine secretion from perfused dog thyroid lobes after prolonged thyrotropin treatment in vivo. Laurberg P. **Endocrinology** 1981 Nov;109(5):1560-5

Effects of iodide and propylthiouracil on the release of 3,5,3'-triiodothyronine and of cyclic adenosine 3',5'-monophosphate from perifused rat thyroids. Mashita K, et al. **Endocrinology** 1982 Mar;110(3):1023-9

Involvement of alpha 1-adrenergic receptors in the inhibitory effect of catecholamines on the thyrotropin-induced release of thyroxine by the mouse thyroid. Muraki T, et al. **Endocrinology** 1982 Jan;110(1):51-4

Comparison of pituitary-thyroid function in patients with endstage renal disease and in age- and sex-matched controls. Davis FB, et al. **Kidney Int** 1982 Feb;21(2):362-4

Pituitary and thyroid function in male cynomolgus monkeys. Smallridge RC, et al. **Lab Anim Sci** 1981 Dec;31(6):693-6

[Relation of thyroid secretion to the phases of the menstrual cycle] Rubio Pérez P, et al. **Rev Clin Esp** 1981 Nov 30; 163(4):239-42 (Eng. Abstr.) **(Spa)**

SURGERY

Serum thyroid hormone concentrations and recovery of TSH secretion after excision of autonomously functioning thyroid nodules. Carpi A, et al. **Metabolism** 1982 May; 31(5):417-20

Recurrent laryngeal nerve anastomosis following thyroid surgery. Ezaki H, et al. **World J Surg** 1982 May;6(3):342-6

[Recurrent nerve paralysis following thyroid surgery (author's transl)] André P, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):443-5 (Eng. Abstr.) **(Fre)**

[Value of manubriotomy in extensive thyroid surgery. 11 cases (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):475-7 (Eng. Abstr.) **(Fre)**

[Treatment of tetany occurring after thyroid surgery] Karavanov GG. **Vestn Khir** 1982 Mar;128(3):59-62 **(Rus)**

TRANSPLANTATION

Allogeneic effect on induction of thyroglobulin antibodies and thyroid lesions in mice. Vladutiu AO. **Experientia** 1981 Jul 15;37(7):778-80

Microsurgically revascularized remote grafting of the lingual thyroid: an experimental study. Kadowaki H, et al. **Jpn J Surg** 1981;11(6):476-80

H-2K region-controlled products of the murine major histocompatibility complex differ in their immunogenic capacity when expressed on different tissues. Isakov N, et al. **Transplantation** 1981 Oct;32(4):291-5

ULTRASTRUCTURE

Fine structure of the second kind of thyroid follicles in mature guinea pigs. Juhl M. **Acta Anat (Basel)** 1981; 111(4):328-42

Fine structural aspects on the cold follicles in the aged mouse thyroid. Tamura S, et al. **Arch Histol Jpn** 1981 May; 44(2):177-88

Fine structural studies on the reabsorption of colloid and fusion of colloid droplets in thyroid glands of TSH-treated mice. Miyagawa J, et al. **Cell Tissue Res** 1982;223(3):519-32

Isolation from thyroid cells or purified plasma membranes with associated actin microfilaments. Proteins bound to actin. Regnouf F, et al. **Eur J Biochem** 1982 Feb; 122(1):153-61

Ultrastructure and some other properties of inverted thyroid follicles in suspension culture. Garbi C, et al. **Exp Cell Res** 1982 Apr;138(2):343-53

Thyrotropin induces changes in the morphology and the organization of microfilament structures in cultured thyroid cells. Tramontano D, et al. **Exp Cell Res** 1982 Feb; 137(2):269-72

Scanning electron microscopy of the normal human thyroid. Sobrinho-Simões M, et al. **J Submicrosc Cytol** 1981 Apr; 13(2):209-22

Ultrastructural changes of the endocrine glands of rats treated with synthetic TRH or TRH-analog (DN-1417). Shirozu M, et al. **Kurume Med J** 1981;28(4):319-27

Morphometry of nuclear pore complexes in thyroid cells during hyperplasia and involution. Many MC, et al. **Mol Cell Endocrinol** 1981 Aug;23(2):137-49

[Ultrastructural modifications in the thyroid glands of mice treated with lithium gluconate] Larras-Regard E, et al. **C R Seances Acad Sci [III]** 1982 Feb 8;294(6):289-94 (Eng. Abstr.) **(Fre)**

[Rat thyroid ultrastructure during aging] Gorbunova MP. **Ontogenez** 1981;12(6):605-9 (Eng. Abstr.) **(Rus)**

[Calcitocytes (C-cells) of the thyroid during aging] Gorbunova MP. **Zh Obshch Biol** 1981 Jul-Aug; 42(4):610-21 (Eng. Abstr.) **(Rus)**

THYROID GLAND, DESICCATED see under **THYROID HORMONES**

THYROID HORMONES

see related
THYROGLOBULIN

ADMINISTRATION & DOSAGE

Effect of dietary thyroid hormone on survival time during heat stress. May JD. **Poult Sci** 1982 Apr;61(4):706-9

[Treatment of primary hypothyroidism in adults : dosage schedule and biological surveillance (author's transl)] Simonin R, et al. **Sem Hop Paris** 1981 Oct 8-15; 57(37-38):1480-7 (Eng. Abstr.) **(Fre)**

[Evolution of systolic time intervals after prolonged opotherapy in hypothyroid patients] Montaldo PL, et al. **Boll Soc Ital Cardiol** 1981;26(4):345-52 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Thyroid supplements: effect on bone mass. Ettinger B, et al. **West J Med** 1982 Jun;136(6):473-6

[Pseudogout caused by thyroid hormone replacement therapy] Benito-López P, et al. **Rev Clin Esp** 1981 Dec 15;163(5):349-50 **(Spa)**

ANALYSIS

Prolactin, estradiol, and thyroid hormones in umbilical cord blood of neonates with and without hyaline membrane disease: a study of 405 neonates from midpregnancy to term. Ho Yuen B, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):698-703

Preparation of lipid-free tissue extracts for chromatographic determination of thyroid hormones and metabolites. Gordon JT, et al. **Arch Biochem Biophys** 1982 Jul; 216(2):407-15

[The importance of thyroid hormone determination in the course of acute and chronic liver diseases] Giudici Cipriani A, et al. **Minerva Med** 1981 Oct 20;72(40):2669-74 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

An inhibitor of the binding of thyroid hormones to serum proteins is present in extrathyroidal tissues. Chopra IJ, et al. **Science** 1982 Jan 22;215(4531):407-9

BIOSYNTHESIS

The role of lactoperoxidase-H2O2 compounds in the catalysis of thyroglobulin iodination and thyroid hormone synthesis. Courtin F, et al. **Eur J Biochem** 1982 Jun; 124(3):603-9

The role of iodide and of free diiodotyrosine in enzymatic and non-enzymatic thyroid hormone synthesis. Virion A, et al. **Eur J Biochem** 1981 Aug;118(2):239-45

Thyroid hormone synthesis and reactivity of hormone-forming tyrosine residues of thyroglobulin. Maurizis JC, et al. **FEBS Lett** 1981 Sep 14;132(1):29-32

Favored sites for thyroid hormone formation on the peptide chains of human thyroglobulin. Dunn JT, et al. **J Biol Chem** 1982 Jan 10;257(1):88-94

Divergent phases of responsiveness of thyroid hormone biosynthesis to exogenous thyroid-stimulating hormone in the postnatal rat. Stolc V, et al. **J Endocrinol** 1982 Feb; 92(2):251-60

Thyroid hormone formation catalyzed by human thyroid peroxidase: a new and physiological measurement of thyroid peroxidase. Sugawara M, et al. **J Lab Clin Med** 1982 Apr;99(4):580-8

[Possible interference of synthetic estroprogestins with thyroid hormone production] Paggi A, et al. **Clin Ter** 1981 Aug 31;98(4):349-63 (Eng. Abstr.) **(Ita)**

BLOOD

Effects of fasting on thyroid hormone levels and kinetics of reverse triiodothyronine in cattle. Blum JW, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):234-9

Thyrotrophin-releasing hormone responsiveness and degradation in children with chronic renal failure: effect of time of evolution. Henneberg CM, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):508-16

Maturation of renal and hepatic monodeiodination of thyroxine to triiodothyronine and post-natal changes of serum thyroid hormones in young rats. Suzuki Y, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):540–5

Alterations in serum thyroid hormones in euthyroid children with circulating anti-thyroid antibodies. Villalpando S, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):500–7

In vitro thyroid function tests : methodology and normal values in paediatrics. Vanderschueren-Lodeweyckx M, et al. **Acta Paediatr Belg** 1981 Jul–Sep;34(3):121–41

Ionizing irradiation and fasting in the rat. I. Effect on thyroid hormones. Sonka J, et al. **Agressologie** 1982 Apr;23(2):75–7

Effects of slimming and composition of diets on VO2 and thyroid hormones in healthy subjects. Serog P, et al. **Am J Clin Nutr** 1982 Jan;35(1):24–35

Thyroid hormones in patients with chronic renal failure undergoing maintenance hemodialysis. Forest JC, et al. **Am J Clin Pathol** 1982 May;77(5):580–6

Familial thyroid hormone resistance. Brooks MH, et al. **Am J Med** 1981 Sep;71(3):414–21

Sympathetic and thyroid influences on metabolic rate in fed, fasted, and refed rats. Rothwell NJ, et al. **Am J Physiol** 1982 Sep;243(3):R339–46

Effects of venous stasis on serum concentrations of thyroid hormones and their binding proteins. Hopton MR, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):134–5

Calculated free thyroid as a thyroid function test. Biggi A, et al. **Arch E Maragliano Patol Clin** 1979;35(2):115–9

Cardiac catheterization dye does not affect serum thyroid hormone concentrations or TSH secretion. Kleinmann RE, et al. **Cathet Cardiovasc Diagn** 1982;8(3):261–5

Lack of influence of some antibiotics on various thyroid hormone assays [letter] Berger SA, et al. **Clin Chem** 1982 May;28(5):1240–1

Comparison of calculated and measured free thyroid hormones in serum in health and in abnormal states. Fresco G, et al. **Clin Chem** 1982 Jun;28(6):1325–9

Free thyroxine: a comparison of direct and indirect methods and their diagnostic usefulness in nonthyroidal illness [letter] Lehotay DC, et al. **Clin Chem** 1982 Aug; 28(8):1826–9

Long-term evaluation of thyroidal response to partial calorie restriction in obesity. Moreira-Andrés MN, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):621–6

Effect of prolonged administration of ranitidine on pituitary and thyroid hormones, and their response to specific hypothalamic-releasing factors. Pasquali R, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):457–62

Measurement of free thyroid hormones in thyroid disease [letter] Wiener JD. **Clin Endocrinol (Oxf)** 1982 Feb; 16(2):211–3

Relationship of thyroid hormone levels to the severity of the narcotic withdrawal syndrome. Rosenfeld W, et al. **Dev Pharmacol Ther** 1981;3(4):197–204

Effect of diabetic control on the level of circulating thyroid hormones. Schlienger JL, et al. **Diabetologia** 1982 Jun; 22(6):486–8

Thyroid status in patients with alcoholic liver disease. Majumdar SK, et al. **Drug Alcohol Depend** 1981 Jul; 7(4):389–91

Exchange transfusion in newborns: rapid fall of plasma thyroid hormones and attenuated TSH response up to 48 hours. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1982 Mar; 16(1):33–42

Effect of graded doses of iodide on thyroid hormones in intact, thyroxine-treated and hypophysectomized rats. Wahi RS. **Endokrinologie** 1982 Feb;79(1):111–7

Differences in the binding of thyroid hormones and indoles by rat alpha 1-fetoprotein and serum albumin. Hervé F, et al. **Eur J Biochem** 1982 Mar 1;122(3):609–12

Serum thyroid hormone concentration during semi-starvation and physical exercise. Bosello O, et al. **Horm Metab Res** 1981 Nov;13(11):651–2

Thyroid hormone changes in obese subjects during fasting and a very-low-calorie diet. Rabast U, et al. **Int J Obes** 1981;5(3):305–11

The variability of weight reduction during fasting: predictive value of thyroid hormone measurements. Sörbris R, et al. **Int J Obes** 1982;6(1):101–11

Thyroid function in patients with acute renal failure. Bodziony D, et al. **Int Urol Nephrol** 1981;13(1):81–8

Thyroid proliferation, body weight, thyrotropin and thyroid hormones in chronic antithyroid (carbimazole) treatment in rats. Redmond O, et al. **J Anat** 1981 Aug;133(Pt 1):37–47

Effect of prazosin on blood lipids and on thyroid function in hypertensive patients. Velasco M, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 2:S225–7

Interaction of heme proteins and thyroid hormone. II. Localization of the site on thyroid hormone that binds to hemoglobin. Davis PJ, et al. **J Chromatogr** 1981 Nov 27; 219(1):148–51

Pattern of recovery of thyroid hormone indices associated with treatment of diabetes mellitus. Alexander CM, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):362–6

Kinetic studies of thyroxine, 3,5,3'-triiodothyronine, 3,3,5'-triiodothyronine, 3',5'-diiodothyronine, 3,3'-diiodothyronine, and 3'-monoiodothyronine in patients with liver cirrhosis. Faber J, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):978–84

Hepatic bioavailability of serum thyroid hormones in nonthyroidal illness. Pardridge WM, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):913–6

Thyroid hormone and thyrotropin levels in patients placed on colestipol hydrochloride. Witztum JL, et al. **J Clin Endocrinol Metab** 1978 May;46(5):838–40

Reduced active thyroid hormone levels after delivery. Banovac K, et al. **J Endocrinol Invest** 1981 Jul–Sep; 4(3):271–4

Acute effect of atenolol on serum thyroid hormones in hyperthyroid patients. Rassu S, et al. **J Endocrinol Invest** 1982 Jan–Feb;5(1):39–41

Suppression of the night increase in serum TSH during development of ketosis in diabetic patients. Schmitz O, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):403–7

The diminished cardiac performance in severe thyrotoxicosis. Parabolic correlation of LVET/PEP to the circulating levels of thyroid hormones. Suzuki H, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):289–94

Computer graphics in drug design: molecular modeling of thyroid hormone-prealbumin interactions. Blaney JM, et al. **J Med Chem** 1982 Jul;25(7):785–90

Free thyroid hormones and thyrotrophin response to thyrotrophin-releasing hormone in patients affected by chronic liver disease. Biggi A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):19–24

Effect of anabolic treatment on the serum levels of gonadotropins, testosterone, prolactin, thyroid hormones and myoglobin of male athletes under physical training. Clerico A, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep; 25(3):79–88

Plasma estradiol, thyroid hormones, and liver lipid content in laying hens fed different isocaloric diets. Akiba Y, et al. **J Nutr** 1982 Feb;112(2):299–308

An evaluation of factors which affect circulating thyroid hormone levels in liver diseases. Iwasaki Y, et al. **Kaku Igaku** 1981 Jun;18(5):601–8

PRL, TSH, and thyroid hormones in benign breast diseases. Peters F, et al. **Klin Wochenschr** 1981 Apr 15;59(8):403–7

Serum thyroid hormone concentrations and recovery of TSH secretion after excision of autonomously functioning thyroid nodules. Carpi A, et al. **Metabolism** 1982 May; 31(5):417–20

Serum thyroid hormone abnormalities in psychiatric disease. Levy RP, et al. **Metabolism** 1981 Nov;30(11):1060–4

Mathematical modelling of intravascular thyroid hormone stimulation by carrier proteins. Geiseler D, et al. **Methods Find Exp Clin Pharmacol** 1982;4(1):73–8

Ontogenesis of nerve growth factor and epidermal growth factor in submaxillary glands and nerve growth factor in brains of immature male mice: correlation with ontogenesis of serum levels of thyroid hormones. Walker P, et al. **Pediatr Res** 1982 Jul;16(7):520–4

Thyroid hormones in male hamsters with activated pineals or melatonin treatment. Vaughan GM, et al. **Prog Clin Biol Res** 1982;92:187–96

Effect of anticonvulsant and antidepressant drugs on iodothyronines in serum. Liewendahl K, et al. **Scand J Clin Lab Invest** 1980;40(8):767–74

Carbohydrate metabolism in subacute thyroiditis: effect of acute elevation of thyroid hormones. Yasuda K, et al. **Tohoku J Exp Med** 1981 Aug;134(4):411–6

Thyroid function in protein-energy malnutrition. Hatemi N, et al. **Turk J Pediatr** 1982 Jan–Mar;24(1):29–34

[Thyroid hormone level in the serum of pregnant women with normal and high-risk pregnancies] Mateeva E, et al. **Akush Ginekol (Sofiia)** 1981;20(3):202–7 (Eng. Abstr.) **(Bul)**

[Thyroid hormones in alcoholic cirrhosis before and after alcohol withdrawal] Rumilly F, et al. **Med Chir Dig** 1982; 11(1):25–8 (Eng. Abstr.) **(Fre)**

[Schmidt's syndrome. Interrelationships between thyroid hormones and cortisol (author's transl)] Heim J, et al. **Pathol Biol (Paris)** 1981 Oct;29(8):499–502 (Eng. Abstr.) **(Fre)**

[Plasmatic dosages in the study of the thyroid function (author's transl)] Fichefet JP. **Rev Med Brux** 1981 Oct; 2(8):731–5 (Eng. Abstr.) **(Fre)**

[Effects of muscular exercise on non-glucoregulatory hormones (T3, rT3, T4, TSH, prolactin, FSH, LH) in type I diabetics (author's transl)] Schernthaner G, et al. **Acta Med Austriaca** 1981;8(2):54–60 (Eng. Abstr.) **(Ger)**

[Effect of non-thyroid diseases on serum concentrations of hormones of the thyroid function regulatory cycle] Weissel M. **Acta Med Austriaca [Suppl]** 1982;22:1–30 (173 ref.) (Eng. Abstr.) **(Ger)**

[Causative investigations of heparin-induced rise on thyroid hormone serum levels (author's transl)] Beyer HK. **Nuklearmedizin** 1982 Feb;21(1):36–41 (Eng. Abstr.) **(Ger)**

[Thyroid hormones and thyroid reserve in preclinical hypothyroidism] Noelpp B, et al. **Schweiz Med Wochenschr** 1981 Dec 5;111(49):1904–5 (Eng. Abstr.) **(Ger)**

[The metabolism of thyroid hormones in chronic renal insufficiency] Muschmcv D, et al. **Z Urol Nephrol** 1982 Apr;75(4):269–74 (Eng. Abstr.) **(Ger)**

[The behavior of circulating thyroid hormones in euthyroid subjects living in the Province of Pesaro-Urbino] Belbusti F, et al. **Minerva Med** 1982 May 12;73(20):1403–5 **(Ita)**

[The thyroid hormones in alcoholic liver cirrhosis. Clinical and prognostic aspects] Nardoni A, et al. **Minerva Med** 1982 Sep 15;73(35):2275–8 (Eng. Abstr.) **(Ita)**

[Concentrations of thyroxine, triiodothyronine, reverse T3, thyrotropin and thyroglobulin in umbilical-cord and maternal blood] Roti E, et al. **Minerva Pediatr** 1981 Sep 15;33(17):843–6 (Eng. Abstr.) **(Ita)**

[A clinical study on thyroid hormone secretion and metabolism in patients with chronic renal failure on hemodialysis (author's transl)] Nogimori T. **Nippon Naibunpi Gakkai Zasshi** 1981 Jun 20;57(6):903–19 (Eng. Abstr.) **(Jpn)**

[Effects of age and sex on serum thyroid hormone levels in normal human subjects (author's transl)] Nakai R, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):417–24 (Eng. Abstr.) **(Jpn)**

[Malaria in the municipality of Humaitá, State of Amazonas. VI - Serum levels of thyrotropin and thyroid hormones in 22 patients] Kiy Y, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep–Oct;23(5 Suppl 5):37–42 (Eng. Abstr.) **(Por)**

[Hypophyseal thyrotropic activity and the triiodothyronine and thyroxine content in the blood in uterine myoma] Trubnikova LI. **Akush Ginekol (Mosk)** 1981 Jul;(7):12–5 (Eng. Abstr.) **(Rus)**

[Blood thyroid hormones in ischemic heart disease (a comparison with coronary angiographic data, severity of stenocardia and blood lipid level)] Sidorenko BA, et al. **Kardiologiia** 1981 Dec;21(12):96–101 (Eng. Abstr.) **(Rus)**

[Blood thyroid hormone levels in nephrolithiasis in the preoperative and early postoperative periods] Dzhavad-Zade MD, et al. **Med Radiol (Mosk)** 1982 Apr; 27(4):25–9 (Eng. Abstr.) **(Rus)**

[Content of hypophysiotropic, adrenotropic and thyrotropic hormones in the blood in Duchenne's progressive muscular dystrophy] Badalian LO, et al. **Vopr Med Khim** 1982 Jul–Aug;28(4):30–4 (Eng. Abstr.) **(Rus)**

[Changes in the blood level of certain hormones of immature rats after thermal burn] Kamilov FKh, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):56–9 (Eng. Abstr.) **(Rus)**

[Blood plasma content of hormones and carcinoembryonic antigen in tumorous and nontumorous disease of the thyroid] Ivanov PK, et al. **Vopr Onkol** 1982;28(4):29–34 (Eng. Abstr.) **(Rus)**

[Clinical use of radiosaturation analysis. II. Determination of thyroid hormones] Borota R, et al. **Med Pregl** 1981; 34(9–10):431–6 (Eng. Abstr.) **(Scr)**

[Effect of heparin on thyroid function indicators as determined by radioanalysis] Košlik S, et al. **Vnitr Lek** 1982 Feb;28(2):122–8 (Eng. Abstr.) **(Slo)**

DEFICIENCY

[Nodular changes in the thyroid of children with a congenital defect of thyroid hormone synthesis] Rybakowa M, et al. **Folia Med Cracov** 1981;23(2):203–10 **(Pol)**

IMMUNOLOGY

Effects and clinical significance of exogenous thyroxine therapy in patients with circulating thyroid hormone autoantibodies. Premachandra BN, et al. **Am J Clin Pathol** 1982 Jul;78(1):63–8

Immunoglobulin binding of thyroid hormones in a case of Waldenstrom's macroglobulinemia. Trimarchi F, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1045–50

ISOLATION & PURIFICATION

Isolation of radioactive iodothyronines for kinetic studies: a comparison of two methods. Faber J, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):64–71

METABOLISM

Peripheral metabolism of thyroid hormones in vitamin A-deficient rats. Higueret P, et al. **Ann Nutr Metab** 1982; 26(3):191–200

Thyroid hormone binding to human serum prealbumin and rat liver nuclear receptor: kinetics, contribution of the hormone phenolic hydroxyl group, and accommodation of hormone side-chain bulk. Somack R, et al. **Biochemistry** 1982 Jan 5;21(1):163–70

Thyroid hormones and the regulation of thyroid function in men with coeliac disease. Farthing MJ, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):525–35

Autoradiographic demonstration of thyroid hormone binding to intact liver cells in vivo. Smith DM, et al. **Endocrinology** 1982 Sep;111(3):1015–6

The effect of antipyrine, phenobarbitol and rifampicin on thyroid hormone metabolism in man. Ohnhaus EE, et al. **Eur J Clin Invest** 1981 Oct;11(5):381–7

Correlation among the changes in the levels of thyroid hormones, thyrotropin and thyrotropin-releasing hormone during the development of Xenopus laevis. Bray T, et al. **Exp Cell Biol** 1982;50(2):101–7

Thyroid hormone clearance kinetics in adult sea lampreys, Petromyzon marinus. Brown CL, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):333–9

Thermodynamics of triiodothyronine nuclear receptor interaction. Role of hydrophobicity in triiodothyronine binding to its receptor. Seelig S, et al. **J Biol Chem** 1982 Feb 10;257(3):1378–82

Defective thyroid hormone action in fibroblasts cultured from subjects with the syndrome of resistance to thyroid hormones. Chait A, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):767–72

Nuclear binding of [125I]triiodothyronine in dispersed cultured skin fibroblasts from patients with resistance to

thyroid hormone. Eil C, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):502–10

A kinetic model of human thyroid hormones and their conversion products. McGuire RA, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):852–62

Effect of dietary carbohydrates during hypocaloric treatment of obesity on peripheral thyroid hormone metabolism. Pasquali R, et al. **J Endocrinol Invest** 1982 Jan–Feb; 5(1):47–52

Familial thyroid hormone resistance. Cooper DS, et al. **Metabolism** 1982 May;31(5):504–9

Familial insensitivity of the pituitary and periphery to thyroid hormone: a case report in two generations and a review of the literature. Linde R, et al. **Metabolism** 1982 May; 31(5):510–3 (19 ref.)

Loss of thyroid hormones into feces in children on regular hemodialysis. Waters W. **Nuklearmedizin** 1981 Oct; 20(5):251–3

The effects of drugs on the distribution and metabolism of thyroid hormones. Cavalieri RR, et al. **Pharmacol Rev** 1981 Jun;33(2):55–80 (347 ref.)

Use of un-derivatized thyroid hormones for photoaffinity labeling of binding proteins. van der Walt B, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3508–12

New insights into metabolism of thyroid hormones: physiological and clinical implications. Chopra IJ. **Prog Clin Biol Res** 1981;74:67–80 (67 ref.)

Thyroid hormone metabolism in cultured hepatocytes. Robbins J, et al. **Prog Clin Biol Res** 1981;74:57–66 (25 ref.)

Direct and indirect effects of estrogens on thyroidal economy of man. Zaninovich AA. **Prog Clin Biol Res** 1981;74:95–102 (35 ref.)

[Recent progress in studies on thyroid hormone metabolism and action (author's transl)] Inada M. **Nippon Naibunpi Gakkai Zasshi** 1982 Feb 20;58(2):77–85 (16 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of the ingestion of soybean fractions, raw or autoclaved, on the rat thyroid] Filisetti TM, et al. **Arch Latinoam Nutr** 1981 Jun;31(2):287–302 (Eng. Abstr.) **(Por)**

[Age and changes in thyroid function and tissue metabolism of its hormones] Iasenchak SA, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):25–9 **(Rus)**

PHARMACODYNAMICS

Morphometric changes in the lungs of rats following adrenalectomy supplemented by desiccated thyroid. Adkisson VT, et al. **Anat Rec** 1982 May;203(1):147–56

Thyroid hormone-induced changes in the hepatic monooxygenase system, heme oxygenase activity and epoxide hydrolase activity in adult male, female and immature rats. Leakey JE, et al. **Chem Biol Interact** 1982 Jul 1;40(3):257–64

Polysomnographic effects of thyroid hormones primary myxedema. Ruiz-Primo E, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):559–64

Influence of theophylline on the circulatory actions of thyroid hormones. Kapitola J, et al. **Endokrinologie** 1981 Mar;77(3):375–6

Effect of thyroid hormones and cyclic AMP on some lipogenic enzymes of the fat cell. Correze C, et al. **Eur J Biochem** 1982 Feb;122(2):387–92

Acute thyroid hormone increases noradrenergic responsiveness of rat atria in vitro. Eiden LE, et al. **Eur J Pharmacol** 1981 Aug 27;74(1):91–3

Beta 2 receptor-mediated stimulation of Friend erythroleukemia cell growth by thyroid hormones. Gauwerky CE, et al. **Exp Hematol** 1981 Sep;9(8):821–8

Thyroid hormones effects on RNA synthesis in brain and liver of neonatal hypothyroid rats. Berti LN, et al. **Horm Metab Res** 1981 Dec;13(12):691–5

Effects of thyroid hormones on amino acid and protein metabolism—IV. Effects of thyroid hormone on amino acid concentration and incorporation of [14C]L-valine in vivo and in vitro into proteins of the guinea-pig. Lee YP, et al. **Int J Biochem** 1982;14(4):295–304

Postnatal action of growth and thyroid hormones on the retarded cerebral myelinogenesis of Snell dwarf mice (dw). Noguchi T, et al. **J Neurochem** 1982 Jan;38(1):257–63

Interaction between iodothyronines and thyrotropin receptor in human cultured thyroid cells. Rotella CM, et al. **J Recept Res** 1981–82;2(4):367–82

Effect of thyroid hormones on androgen responsiveness in a mammary tumor cell line. Sica G, et al. **J Steroid Biochem** 1981 Dec;15:415–9

Action of thyroid hormones, diazepam, caffeine and amitriptyline on memory decay ('forgetting'). Cassone MC, et al. **Life Sci** 1981 Nov 9;29(19):1983–8

The effect of thyroid hormones on prolactin secretion by cultured bovine pituitary cells. Cataldo NA, et al. **Metabolism** 1982 Jun;31(6):589–94

[The effect of thyroid hormones on low density lipoprotein receptors in cultured human skin fibroblasts (author's transl)] Haba T. **Nippon Naibunpi Gakkai Zasshi** 1981 Oct 20;57(10):1540–53 (Eng. Abstr.) **(Jpn)**

[Serum triglycerides and atherogenic diet. Effect of thyroid hormones] Vasiliu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):337–40 **(Rum)**

[Effect of thyroid hormones on various indices of water-electrolyte and kidney function in rats] Mostovoi VS. **Fiziol Zh** 1981 Nov–Dec;27(6):826–9 **(Rus)**

[Action of thyroid hormones and somatotropin on the free radical, iron-sulfur protein and cytochrome P-450 state in the liver] Martynenko FP, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):69–71 (Eng. Abstr.) **(Rus)**

[Thyroid hormones and mitochondrial cytochrome c oxidoreductase activity] Tapbergenov SO. **Probl Endokrinol (Mosk)** 1982 Mar–Apr;28(2):49–53 (Eng. Abstr.) **(Rus)**

[Isoenzymatic spectra of lactate dehydrogenase in various areas of the rat brain and the influence of thyroidin on them] Kononenko VIa, et al. **Ukr Biokhim Zh** 1982; 54(1):26–30 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Thyroid hormone dependent nuclear proteins from rat liver. Rodriguez-Pena A, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):567–72

Interdependent effects of thyroid hormones and cAMP on lipolysis and lipogenesis in the fat cell. Nunez J, et al. **Adv Cyclic Nucleotide Res** 1981;14:539–54

Syndromes of thyroid hormone resistance. Refetoff S. **Am J Physiol** 1982 Aug;243(2):E88–98 (55 ref.)

Anesthesia and hypothyroidism: a review of thyroxine physiology, pharmacology, and anesthetic implications. Murkin JM. **Anesth Analg (Cleve)** 1982 Apr;61(4):371–83 (113 ref.)

Role of thyroid hormone in cold-induced changes in rat brown adipose tissue mitochondria. Triandafillou J, et al. **Can J Biochem** 1982 May;60(5):530–7

The influence of altered thyroid hormone levels on guinea pig cardiac adrenoceptors and histamine receptors. MacLeod KM, et al. **Can J Physiol Pharmacol** 1981 Oct; 59(10):1039–49

Thyroid hormone influences glucocorticoid receptor levels in the neonatal rat lung. Morishige WK. **Endocrinology** 1982 Sep;111(3):1017–9

Thyroidal influence on postnatal lung development in the rat. Morishige WK, et al. **Endocrinology** 1982 Feb; 110(2):444–51

Involvement of thyroid gland in the development of migratory disposition in the redheaded bunting, Emberiza bruniceps. Pathak VK, et al. **Horm Behav** 1982 Mar; 16(1):46–58

Effect of thyroid hormones on human mononuclear leukocyte lysosomal acid lipase activity. Coates PM, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):559–62

Hormonal control of angiotensinogen production. Dzau VJ, et al. **Life Sci** 1982 Feb 15–22;30(7–8):577–84

Thyroid hormones and renin secretion. Ganong WF. **Life Sci** 1982 Feb 15–22;30(7–8):561–9

Intraocular fibre growth of grafted locus coeruleus neurons: sensory denervation counteracts alterations induced by thyroid hormone deficiency. Seiger A, et al. **Med Biol** 1982 Jun;60(3):159–64

Feedback regulation of thyrotropin secretion by thyroid hormones [letter] **N Engl J Med** 1982 May 20; 306(20):1236–7

Thyroid-pituitary interaction: feedback regulation of thyrotropin secretion by thyroid hormones. Larsen PR. **N Engl J Med** 1982 Jan 7;306(1):23–32 (81 ref.)

Regulation of alpha 1-adrenoceptors in the cerebral cortex of the rat by thyroid hormones. Gross G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):45–50

Thyroid hormones affect the physiological availability of nonshivering thermogenesis. Seidel A, et al. **Pflugers Arch** 1982 May;393(3):283–5

The effects of aging on thyroid hormone economy in man. Ingbar SH. **Prog Clin Biol Res** 1981;74:135–45 (42 ref.)

The molecular basis of thyroid hormone action: scattered pieces of jigsaw puzzle. Oppenheimer JH. **Prog Clin Biol Res** 1981;74:45–55 (40 ref.)

[Thyroid hormones and heart enlargement] Wachtlová M. **Cesk Fysiol** 1981;30(6):497–503 (45 ref.) **(Cze)**

[Adaptation of skeletal muscle and myocardium to increased motor activity in hypo- and athyroid rats] Seene TP, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):20–4 (Eng. Abstr.) **(Rus)**

[The effect of exclusion of thyroid hormones on cardiac adaptation to increased work load in rabbits] Fizel' A, et al. **Cesk Patol** 1981 Nov;17(4):216–20 (Eng. Abstr.) **(Slo)**

[The effect of thyroid hormone administration and its exclusion on the development of cardiac hypertrophy in rabbits] Lukáčiková E, et al. **Cesk Patol** 1981 Nov; 17(4):204–8 (Eng. Abstr.) **(Slo)**

SECRETION

Alterations in thyroid function after cholecystographic contrast agents. Hunter AN, et al. **Aust NZ J Med** 1982 Apr;12(2):192–5

Effect of aging on the morphology and function of the thyroid gland of the cream hamster. Further evidence for two different mechanisms of hormone secretion. Nève P, et al. **Cell Tissue Res** 1981;220(3):499–509

Follicular reconstruction and hormone production by human adenomatous goiter cells in culture. Goto K, et al. **Tohoku J Exp Med** 1982 Mar;136(3):285–90

[Effect of anti-thyroid antibodies on thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):295–6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Laboratory tests for evaluating thyroid therapy. Kabadi UM. **Am Fam Physician** 1982 Sep;26(3):183–8

Importance of thyroxine in suppressing secretion of thyroid stimulating hormone. **Br Med J [Clin Res]** 1982 Jun 5; 284(6330):1704–5

Thyroid hormones and antithyroid drugs. Rosychuk RA. **Vet Clin North Am [Small Anim Pract]** 1982 Feb; 12(1):111–48 (128 ref.)

[Thyroid hormones and their paradoxical effect on the Q–Kd interval, on the Achilles tendon reflex time course, and on serum cholesterol concentration in patients with hypothyroidism (author's transl)] Ceňková V, et al. **Cas Lek Cesk** 1982 Mar 5;121(9):261–5 (Eng. Abstr.) **(Cze)**

[Efficacy of the treatment of euthyroid thyroid cysts with thyroid hormones] Reske W, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):458–60 **(Ger)**

[Systolic time intervals in hypothyroid patients before and after opotherapeutic treatment] Montaldo PL, et al. **Boll Soc Ital Cardiol** 1980;25(12):1403–10 **(Ita)**

[The TRH test as a guide to the determination of a substitute dose of thyroid hormones in patients with primary hypothyroidism] Morosini PP, et al. **Minerva Med** 1982 May 12;73(20):1411–3 **(Ita)**

[Potentiation of the radioprotective effect of hypoxic hypoxia in experimental hyperthyroidism] Sikulová J, et al. **Med Radiol (Mosk)** 1982 Mar;27(3):23–6 (Eng. Abstr.) **(Rus)**

[Effect of thyroidin on various indicators of lipid metabolism in diabetes mellitus] Airapetian EM. **Probl Endokrinol (Mosk)** 1981;27(6):18–20 **(Rus)**

URINE

Determination of iodoamino acids and thyroid hormones in a urine matrix by neutron activation analysis. Firouzbakht ML, et al. **Anal Chem** 1981 Oct;53(12):1746–50

THYROID NEOPLASMS

Medullary thyroid carcinoma and the syndromes of multiple endocrine adenomas. Brown JS, et al. **DM** 1982 Aug; 28(11):1–37

Clonal evolution of goitres. Ferrer-Roca O. **Pathologica** 1981 Jan–Feb;73(1023):145–51

[Lateral neck metastases of thyroid cancer] Pardijs WH, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):946–9 (Eng. Abstr.) **(Dut)**

[Primary plasmocytoma of the thyroid. Report of a case and review of the literature] Bevilacqua G. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):385–92 (16 ref.) **(Ita)**

[Thyroid neoplasms (diagnosis, therapy, after care). Abstracts] **Radiobiol Radiother (Berl)** 1982 Jan;23(1):70–107 **(Mul)**

ANALYSIS

Simultaneous detection of thyroglobulin (Tg), thyroxine (T4), and Triiodothyronine (T3) in nontoxic thyroid tumors by the immunoperoxidase method. Kawaoi A, et al. **Am J Pathol** 1982 Jul;108(1):39–49

Immunofluorescence localization of thyroglobulin in metastatic thyroid cancer. Franklin WA, et al. **Cancer** 1982 Sep 1;50(5):939–45

Uptake and localization of 131I-labeled anti-calcitonin immunoglobulins in rat medullary thyroid carcinoma tissue. Gautvik KM, et al. **Cancer** 1982 Sep 15;50(6):1107–14

Creatine kinase isoenzymes in tissue from the thyroid and from follicular adenomas of the thyroid [letter] Pérez-Jiménez F, et al. **Clin Chem** 1982 Aug;28(8):1811–2

Heterogeneity of plasma and urinary immunoreactive calcitonin in patients with medullary carcinoma of the thyroid. Morimoto S, et al. **Endocrinol Jpn** 1981 Oct; 28(5):583–94

Heterogeneous forms of thyroid-stimulating hormone in mouse thyrotropic tumor and serum: differences in receptor-binding and adenylate cyclase-stimulating activity. Pekonen F, et al. **Horm Metab Res** 1981 Nov; 13(11):617–20

A flow cytometric deoxyribonucleic acid analysis of papillary thyroid carcinoma. Johannessen JV, et al. **Lab Invest** 1981 Oct;45(4):336–41

BLOOD

Thyroglobulin assay in the follow-up of patients with differentiated thyroid carcinomas: comparison of its value in patients with or without normal residual tissue. Schlumberger M, et al. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):215–21

Serum thyroglobulin differentiated thyroid carcinoma: histological and metastatic classification. Shah DH, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):222–6

The comparative value of serum thyroglobulin measurements and iodine 131 total body scans in the follow-up study of patients with treated differentiated thyroid cancer. Ashcraft MW, et al. **Am J Med** 1981 Nov;71(5):806–14

Serum thyroglobulin in the management of patients with

thyroid cancer. Barsano CP, et al. **Arch Intern Med** 1982 Apr;142(4):763–7

Interference in assay of human thyrotropin by endogenous antibodies to bovine thyrotropin [letter] Handelsman DJ, et al. **Clin Chem** 1982 Jan;28(1):251–2

Serum thyroglobulin levels: their use in monitoring thyroid carcinoma. Schwartz MA, et al. **Conn Med** 1982 Apr; 46(4):189

Hypercalcitoninaemia in medullary carcinoma of the thyroid and other malignancies: value of calcitonin as tumour marker. Marrinan M, et al. **Horm Metab Res** 1982 Apr; 14(4):213–5

Plasma somatostatin in normal subjects and in various diseases: increased levels in somatostatin-producing tumors. Saito H, et al. **Horm Metab Res** 1982 Feb; 14(2):71–6

Normal serum 1,25-dihydroxyvitamin D in patients with medullary carcinoma of the thyroid. Lee S, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):361–3

Gastrin Responses to a test meal in patients with familial medullary thyroid carcinoma. O'Dorisio TM, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):798–802

Thyroglobulin and thyroid cancer [letter] Black EG, et al. **Lancet** 1982 Apr 17;1(8277):914

The surgical implications of hypercalcitonemia. Becker KL, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):897–908 (119 ref.)

[Significance of thyroglobulin as a tumor marker in the serum of patients with differentiated thyroid carcinoma: longitudinal and cross-sectional studies (author's transl)] Schatz H, et al. **Klin Wochenschr** 1982 May 3;60(9):457–64 (18 ref.) (Eng. Abstr.) **(Ger)**

[After care of C-cell-cancer of the thyroid gland. Results of calcitonin determination after selective venous catheterization] Reiners C, et al. **MMW** 1981 Nov 6; 123(45):1708–10 **(Ger)**

[Blood plasma content of hormones and carcinoembryonic antigen in tumorous and nontumorous disease of the thyroid] Ivanov PK, et al. **Vopr Onkol** 1982;28(4):29–34 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Calcitonin in plasma and cerebrospinal fluid from normal subjects and patients with medullary thyroid carcinoma: possible restriction of calcitonin by the blood-brain barrier. Morimoto S, et al. **J Clin Endocrinol Metab** 1982 Sep; 55(3):594–6

CHEMICALLY INDUCED

Promoting effects of 3-amino-1,2,4-triazole on the development of thyroid tumors in rats treated with N-bis(2-hydroxypropyl)nitrosamine. Hiasa Y, et al. **Carcinogenesis** 1982;3(4):381–4

CLASSIFICATION

[Malignant tumors of the thyroid gland: pathology and classification (author's transl)] Ruchti C. **Praxis** 1982 Mar 30;71(13):526–9 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Nodular toxic goiter in a teenage girl. Hahn HB Jr, et al. **Am J Dis Child** 1982 Sep;136(9):849–51

Primary hyperparathyroidism and nonmedullary thyroid cancer. Linos DA, et al. **Am J Surg** 1982 Mar;143(3):301–3

Hyperthyroidism with coexisting thyroid carcinoma: a study of 14 patients. Yeo PP, et al. **Ann Acad Med Singapore** 1981 Jul;10(3):323–5

Laryngotracheal invasion by thyroid-carcinoma. Shelton VK, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):363–9

Sturge-Weber syndrome. A case with thyroid and choroid plexus hemangiomas and leptomeningeal melanosis. Bentz MS, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):75–8

Primary squamous cell carcinoma of the thyroid associated with marked leukocytosis and hypercalcemia. Saito K, et al. **Cancer** 1981 Nov 1;48(9):2080–3

C-cell hyperplasia developing in residual thyroid following resection for sporadic medullary carcinoma. Ulbright TM, et al. **Cancer** 1981 Nov 1;48(9):2076–9

T3 hyperthyroidism and thyroid cancer. Kruter RH, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):121–5

Ultrastructure in C cell hyperplasia in asymptomatic patients with hypercalcitoninemia and a family history of medullary thyroid carcinoma. Asaadi AA. **Hum Pathol** 1981 Jul; 12(7):617–22

Autonomously functioning thyroid nodule and medullary carcinoma [letter] van der Vis-Melsen MJ, et al. **J Nucl Med** 1981 Oct;22(10):929–30

Thyroid carcinoma with spinal cord compression [letter] Shortliffe EH, et al. **JAMA** 1982 Mar 19;247(11):1565–6

Tracheal obstruction by recurrent thyroid carcinoma. Gardiner LJ, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):965–8

Thyroid carcinoma in an autonomously hyperfunctioning thyroid nodule. Khan O, et al. **Postgrad Med J** 1981 Mar; 57(665):172–5

Simultaneous primary hyperparathyroidism and nodular thyroid disease. Prinz RA, et al. **Surgery** 1982 Sep; 92(3):454–8

T3 toxicosis due to nonmetastatic follicular carcinoma of the thyroid. Pont A, et al. **West J Med** 1982 Mar;136(3):255–8

[Medullary carcinoma of the thyroid gland with Cushing's syndrome] Zeman V, et al. **Cesk Patol** 1981 Aug; 17(3):129–32 (Eng. Abstr.) **(Cze)**

[Simultaneous occurrence of pituitary adenoma and thyrogenic hyperthyroidism] Góth M, et al. **Z Gesamte Inn Med** 1982 Mar 15;37(6):183–6 (Eng. Abstr.) **(Ger)**

[A case of primary hyperparathyroidism associated with thyroid carcinoma with special reference to pre-operative diagnosis of parathyroid adenoma by scintigraphy (author's transl)] Araki A, et al. **Horumon To Rinsho** 1982 Jan; 30(1):47–51 **(Jpn)**

[Thyrotoxicosis in thyroid cancer] Kalinin AP, et al. **Klin Med (Mosk)** 1981 Aug;59(8):11–5 **(Rus)**

[Papillary carcinoma of the thyroid gland in the thyroglossal duct: report of one patient (author's transl)] Carreño R, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):244–5 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Problems in the cytologic diagnosis of the 'cold' thyroid nodule in patients with lymphocytic thyroiditis. Kini SR, et al. **Acta Cytol (Baltimore)** 1981 Sep-Oct;25(5):506–12

Cytopathology of Hürthle cell lesions of the thyroid gland by fine needle aspiration. Kini SR, et al. **Acta Cytol (Baltimore)** 1981 Nov-Dec;25(6):647–52

The thyroid nodule. Klonoff DC, et al. **Adv Intern Med** 1982; 27:101–26 (130 ref.)

Needle biopsy in the assessment and management of hypofunctioning thyroid nodules. Goldfarb WB, et al. **Am J Surg** 1982 Apr;143(4):409–12

Solid thyroid nodules. Perry HA. **Am Surg** 1982 Apr; 48(4):170–4

Computation of preoperative diagnosis probability for follicular adenoma and carcinoma of the thyroid on aspiration smears. Boon ME, et al. **Anal Quant Cytol** 1982 Mar;4(1):1–5

The importance of early diagnosis in patients with hereditary medullary thyroid carcinoma. Wells SA Jr, et al. **Ann Surg** 1982 May;195(5):595–9

Thyroid-gland plasma cell neoplasm (plasmacytoma). Macpherson TA, et al. **Arch Pathol Lab Med** 1981 Nov; 105(11):570–2 (10 ref.)

The needle biopsy diagnosis of papillary thyroid carcinoma. Miller JM, et al. **Cancer** 1981 Aug 15;48(4):989–93

Considerations on some anatomo-clinical phenomena of thyroid cancer. Treatment and prognosis. Personal experience with 1515 operated cases. Damian A, et al. **Endocrinologie** 1982 Jan-Mar;20(1):3–7

Office management of thyroid nodules in the elderly. Miller JM. **Geriatrics** 1981 Sep;36(9):49–51, 54

The impact of needle biopsy on the preoperative diagnosis of thyroid nodules. Miller JM, et al. **Henry Ford Hosp Med J** 1980;28(2–3):145–8

Fine needle aspiration and lesions of the thyroid. Block MA. **Int Adv Surg Oncol** 1982;5:1–27

The value of serum thyroglobulin measurement as a marker of cancer recurrence in the follow-up of patients previously treated for differentiated thyroid tumor. Roti E, et al. **J Endocrinol Invest** 1982 Jan-Feb;5(1):43–6

Evaluation of human thyroid tumors by proton nuclear magnetic resonance. de Certaines J, et al. **J Nucl Med** 1982 Jan;23(1):48–51

Critical evaluation of serum thyroglobulin levels and I-131 scans in post-therapy patients with differentiated thyroid carcinoma: concise communication. Echenique RL, et al. **J Nucl Med** 1982 Mar;23(3):235–40

Atypical thyroid carcinoma: atypical follicular or atypical medullary carcinoma? Faria V, et al. **Submicrosc Cytol** 1981 Oct;13(4):717–21

Results of oral TRH test in the differentiation of compensated and decompensated autonomous thyroid nodules. Jüngst D, et al. **Klin Wochenschr** 1982 May 3;60(9):477–8 (5 ref.)

Medullary carcinoma of the thyroid masquerading as idiopathic vocal cord paralysis. Hays LL, et al. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):81–4

Echographic aspects of thyroid and parotid localizations in non-Hodgkin lymphomas. Bruneton JN, et al. **ROFO** 1982 May;136(5):530–3

An approach to diagnosis and management of thyroid nodules. Lovrien F, et al. **SD J Med** 1981 Dec;34(12):5–11

The place of fine needle biopsy in the diagnosis of nodules of the thyroid. Schwartz AE, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):54–8

Fine-needle aspiration versus drill-needle biopsy of thyroid nodules: a controlled clinical trial. Boey J, et al. **Surgery** 1982 Jun;91(6):611–5

[Thyroid cancer in childhood, adolescence and young adulthood] Manchev I. **Khirurgiia (Sofiia)** 1982;35(2):131–4 (Eng. Abstr.) **(Bul)**

[Preliminary evaluation of the differential diagnosis between malignant and benign thyroid nodules by radionuclide scanning and B-mode ultrasound (author's transl)] Cai QQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar;3(1):27–30 **(Chi)**

[Lateral aberrant goiter] Sibl O, et al. **Cesk Otolaryngol** 1981 Oct;30(5):290–5 (Eng. Abstr.) **(Cze)**

[Use of infrared thermovision technology in the diagnosis of thyroid cancer in adults] Stavratjev M, et al. **Vnitr Lek** 1982 Feb;28(2):109–15 (Eng. Abstr.) **(Cze)**

[Fine-needle aspiration (F.N.A.) of thyroid cold nodules (author's transl)] Gaham N, et al. **Ann Endocrinol (Paris)** 1981 Dec;42(6):543–4 (Eng. Abstr.) **(Fre)**

[Hyperfunctioning thyroid adenoma in children: a case-report. Review of the literature (author's transl)] Perelman R, et al. **Ann Pediatr (Paris)** 1982 Mar; 29(3):169–74 (Eng. Abstr.) **(Fre)**

[A rare variety of polyendocrine neoplasms: the MEN IIb and MEN III syndrome] Chabloz R, et al. **Schweiz Med Wochenschr** 1982 Jun 12;112(24):842–52 (Eng. Abstr.) **(Fre)**

[Severely elevated and persistent circulating carcinoembryonic antigen without discernible cancer (letter)] Woodtli W, et al. **Schweiz Med Wochenschr** 1982 Mar 6;112(10):352–3 **(Fre)**

[Anaplastic carcinoma of the thyroid: early clinical and histopathological stages. Therapeutic implications (author's transl)] Navarro A, et al. **Sem Hop Paris** 1982 Apr 15; 58(15):895–901 (Eng. Abstr.) **(Fre)**

[The significance of acid phosphatase activity in the cytologic diagnosis of thyroid malignancy (author's transl)] Smejkal V, et al. **Arch Geschwulstforsch** 1981;51(5):405–10 (Eng. Abstr.) **(Ger)**

[Early recognition of C-cell carcinoma by family screening (author's transl)] Wahl RA, et al. **Dtsch Med Wochenschr** 1981 Oct 16;106(42):1377–80 (Eng. Abstr.) **(Ger)**

[Oncocytoma of the thyroid gland] Burkhard B, et al. **Fortschr Med** 1981 Aug 13;99(30):1183–8 (Eng. Abstr.) **(Ger)**

[Thyroid gland diseases in old age. Clinical aspects and therapy. Part 2: Hypothyroidism, bland struma, thyroid gland neoplasms] Rudorff KH, et al. **Fortschr Med** 1981 Nov 12;99(42):1747–52 (Eng. Abstr.) **(Ger)**

[Papillary carcinoma of the thyroid in childhood--report of 4 patients] Fuchs D, et al. **Kinderarztl Prax** 1982 Jan; 50(1):26–35 (Eng. Abstr.) **(Ger)**

[Thyroglobulin immunohistochemistry: new aspects of pathophysiology and differential diagnosis of benign and malignant goitre (author's transl)] Dralle H, et al. **Langenbecks Arch Chir** 1982;356(3):205–12 (Eng. Abstr.) **(Ger)**

[Aspiration biopsy and cytodiagnosis of thyroid nodules (author's transl)] Galvan G. **Praxis** 1982 Mar 30; 71(13):534–7 **(Ger)**

[Diagnosis of follicular thyroid carcinoma (author's transl)] Pabst HW, et al. **Praxis** 1982 Mar 30;71(13):555–61 (Eng. Abstr.) **(Ger)**

[The 'cold' thyroid nodule (author's transl)] Pfannenstiel P. **Praxis** 1982 Mar 30;71(13):530–3 (Eng. Abstr.) **(Ger)**

[Early diagnosis of thyroid cancer in endemic goitre area reflections and management based on the epidemiological situation in Tyrol (author's transl)] Ladurner D, et al. **Wien Klin Wochenschr** 1982 Mar 5;94(5):127–30 (39 ref.) (Eng. Abstr.) **(Ger)**

[The value of zinc-copper determination in malignant thyroid diseases] Wiesener W, et al. **Z Arzti Fortbild (Jena)** 1982 Jan 1;76(1–2):17–9 **(Ger)**

[Radioimmunological determination of calcitonin in monitoring medullary carcinoma of the thyroid] Trucchi M, et al. **Arch E Maragliano Patol Clin** 1980;36:25–30 **(Ita)**

[Cancer of the thyroid. Diagnostic and therapeutic problems] Califano G, et al. **Minerva Chir** 1982 Feb 28;37(4):297–304 **(Ita)**

[Diagnostic problems in thyroid cancer] Di Filippo B, et al. **Minerva Chir** 1982 Mar 15;37(5):485–6 **(Ita)**

[Diagnostic value of echography in the study of thyroid nodules. Ultrasonographic and histological findings on 103 'cold' nodules] Cimitan M, et al. **Minerva Med** 1982 Jun 30;73(27):1885–9 (Eng. Abstr.) **(Ita)**

[Clear cell tumors of the thyroid] Autelitano F, et al. **Recenti Prog Med** 1981 Jan;70(1):46–69 (31 ref.) (Eng. Abstr.) **(Ita)**

[Medullary carcinoma of the thyroid. Diagnostic and therapeutic problems] Spreafico G, et al. **Recenti Prog Med** 1981 Sep;71(3):274–305 (121 ref.) (Eng. Abstr.) **(Ita)**

[Endoscopic observation of thyroid carcinoma successfully treated with radioactive Iodine (131I) (author's transl)] Kobayashi M, et al. **Kaku Igaku** 1981 Nov;18(9):1301–4 (Eng. Abstr.) **(Jpn)**

[Diagnostic value and limitation of selective thyroid venous sampling to evaluated the localization of parathyroid adenoma in primary hyperparathyroidism (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 1982 Jan;27(1):25–30 (Eng. Abstr.) **(Jpn)**

[Anatomo-scintigraphic correlation in 78 surgical cases of solitary benign follicular thyroid nodule (adenomas)] Santos ME, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct;36(5):211–4 (Eng. Abstr.) **(Por)**

[Cancer of the thyroid gland] Demidov VP, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):57–61 (Eng. Abstr.) **(Rus)**

[Complex in vivo and in vitro radiodiagnosis of thyroid cancer] Ivanov PK. **Med Radiol (Mosk)** 1982 Jun; 27(6):32–8 (Eng. Abstr.) **(Rus)**

[Diagnostic value of the determination of serum hexokinase activity in thyroid cancer and autoimmune thyroiditis] Rudkovskii MS, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):19–21 (Eng. Abstr.) **(Rus)**

[Early diagnosis of thyroid cancer] Demidov VP, et al.

Sov Med 1981;(10):101–3 **(Rus)**
[Early thyroid cancer] Gol'bert ZV, et al. **Sov Med** 1981; (7):40–5 (Eng. Abstr.) **(Rus)**
[Functional tests in the diagnosis of thyroid cancer] Kamardin LN, et al. **Sov Med** 1982;(3):104–7 **(Rus)**
[Diagnostic errors and difficulties in thyroid cancer] Mazchenko NS, et al. **Sov Med** 1981;(10):116–7 **(Rus)**
[Diagnosis of thyroid cancer in toxic goiter and chronic thyroiditis] Myshkin KI, et al. **Sov Med** 1981;(11):92–4 **(Rus)**
[Current diagnostic and treatment problems in thyroid cancer] Demidov VP, et al. **Vopr Onkol** 1982;28(5):70–7 (Eng. Abstr.) **(Rus)**
[Anaplastic cancer of the thyroid] Kamardin LN, et al. **Vopr Onkol** 1982;28(2):89–92 (Eng. Abstr.) **(Rus)**
[Thermography in the diagnosis of thyroid neoplasms] Kuz'michev AS. **Vopr Onkol** 1981;27(11):33–7 (Eng. Abstr.) **(Rus)**
[Intrathyroid iodine in the diagnosis of thyroid cancer] Zaichik VE, et al. **Vopr Onkol** 1982;28(3):18–24 (Eng. Abstr.) **(Rus)**
[Cancer of the thyroid] Barberia JL, et al. **Rev Med Univ Navarra** 1982 Mar;26(1):33–43 **(Spa)**

DRUG THERAPY

Current status of chemotherapy in the treatment of advanced carcinoma of the thyroid gland. Poster DS, et al. **Cancer Clin Trials** 1981 Fall;4(3):301–7 (61 ref.)
Treatment of recurrent follicular thyroid carcinoma [letter] Zenger GH. **JAMA** 1982 Jun 11;247(22):3081–2
Thyroglobulin measurements in patient with thyroid cancer. Jackson GL. **Penn Med** 1982 May;85(5):36–7
[Failure of chemotherapoy in thyroid cancers (author's transl)] Droz JP, et al. **Bull Cancer (Paris)** 1981;68(4):350–2 **(Fre)**
[Chemotherapy of thyroid carcinoma (author's transl)] Brunner K. **Praxis** 1982 Apr 6;71(14):603–5 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Neurocristopathy as a unifying concept: clinical correlations. Johnston MC, et al. **Adv Neurol** 1981;29:97–104

ENZYMOLOGY

Studies on the membrane-associated nature of human thyroid peroxidase: a difference in the solubility of the enzyme from benign and malignant thyroid tissues. Neary JT, et al. **J Clin Endocrinol Metab** 1978 May;46(5):791–9

ETIOLOGY

Experimental induction of C cell tumours in thyroid by increased dietary content of vitamin D3. Thurston V, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):41–5
Prior irradiation and the development of coexistent differentiated thyroid cancer and hyperparathyroidism. Prinz RA, et al. **Cancer** 1982 Mar 1;49(5):874–7
The management of radiation-induced tumours of the thyroid. Korff JM, et al. **Clin Endocrinol Metab** 1981 Jul; 10(2):299–315
The diagnosis of malignancy in dyshormonogenetic goitre. Vickery AL Jr. **Clin Endocrinol Metab** 1981 Jul; 10(2):317–35
Primary aldosteronism associated with a primary double cancer of the thyroid and rectum: report of a case. Nishikawa M, et al. **Endocrinol Jpn** 1981 Dec;28(6):735–9
Thyroid and associated polyglandular neoplasms in patients who received head and neck irradiation during childhood. Katz AD. **Head Neck Surg** 1979 May–Jun;1(5):417–22
Thyroid nodules after high-dose external radiotherapy. Fine-needle aspiration cytology in diagnosis and management. Pretorius HT, et al. **JAMA** 1982 Jun 18; 247(23):3217–20
Medulloblastoma, thyroid carcinoma, and recurrent brain tumor in the same patient. Rosenstock JG. **Med Pediatr Oncol** 1982;10(2):161–4
Multifocal follicular carcinoma of thyroid following radiotherapy for Hodgkin's disease. Nicol F, et al. **Postgrad Med J** 1982 Mar;58(677):180–1
[Thyroid changes caused by irradiation of a cervical hemangioma] Csáky G, et al. **Orv Hetil** 1981 Oct 18; 122(42):2599–602 **(Hun)**
[Cancer of the thyroid in irradiated subjects: biological and morphological aspects] Squartini F, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):333–57 (104 ref.) (Eng. Abstr.) **(Ita)**
[Histogenesis of thyroid C-cell tumors] Serezhin BS. **Vopr Onkol** 1981;27(8):73–5 **(Rus)**

FAMILIAL & GENETIC

Management of hereditary medullary thyroid carcinoma. Baylin SB, et al. **Clin Endocrinol Metab** 1981 Jul; 10(2):367–78
Familial medullary thyroid carcinoma and C cell hyperplasia. Wolfe HJ, et al. **Clin Endocrinol Metab** 1981 Jul; 10(2):351–65
Cytogenetic abnormalities in a patient with hypercalcemia and papillary thyroid carcinoma. Pathak S, et al. **Hum Genet** 1982;60(3):291–3
Chromosome instability in patients with medullary carcinoma of the thyroid. Hsu TC, et al. **JAMA** 1981 Nov 6; 246(18):2046–8
Familial occurrence of nonmedullary thyroid carcinoma. Experience at the University of Missouri Health Sciences Center. Johnson ER, et al. **Mo Med** 1981 Oct;78(10):647–9
Metastatic medullary thyroid carcinoma in young children with mucosal neuroma syndrome. Kaufman FR, et al. **Pediatrics** 1982 Aug;70(2):263–7
[Thyroid cancer with amyloid stroma, Sipple's syndrome, congenital megacolon with plexus hyperplasia: one and the same dominant autosomal disease with complete penetrance] Le Marec B, et al. **J Genet Hum** 1981 Feb; 28(5):169–74 (Eng. Abstr.) **(Fre)**
[The C-cell-tumours of the thyroid gland in childhood (author's transl)] Meybier H, et al. **Z Kinderchir** 1982 May; 36(1):30–3 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Inhibition of leukocyte migration by hyman thyroid adenocarcinoma associated antigens. Aoki N, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):56–63
Immunological characterization of mononuclear cells in thyroid gland and blood in Graves' disease, multinodular goiter and papillary carcinoma. Aanderud S, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):137–42
Plasma immunoreactive TSH: spurious elevation due to antibodies to bovine TSH which cross-react with human TSH. Frohman LA, et al. **Metabolism** 1982 Aug; 31(8):834–40
Physicochemical characteristics of carcinoembryonic antigen extracted from medullary carcinoma of the thyroid. Jullienne A, et al. **Oncodev Biol Med** 1980;1(3):137–42
[Primary non-Hodgkin's lymphoma of the brain, sarcoidosis, thyroid cancer and immunity cell deficiency (author's transl)] Trillet M, et al. **Rev Neurol (Paris)** 1982; 138(3):241–8 (Eng. Abstr.) **(Fre)**
[Initial immunologic evaluations in breast and thyroid cancer] Abeatici S, et al. **Minerva Med** 1982 Apr 28;73(18):1149–54 (Eng. Abstr.) **(Ita)**

METABOLISM

Immunochemical and biological characterization of calcitonin originating from transplanted medullary thyroid carcinoma in rats. Myhre L, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):397–403
Melanin production in a medullary thyroid carcinoma. Marcus JN, et al. **Cancer** 1982 Jun 15;49(12):2518–26
Thyroxine and triiodothyronine levels in thyroid vein blood and in thyroid tissue of patients with autonomous adenomas. Gheri RG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):485–90
Defective iodide transport and normal organification of iodide in cold nodules of the thyroid. Shiroozu A, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):411–6
Heterogeneity of immunoreactive calcitonin in extracts of normal human thyroid. Woloszczuk W, et al. **Horm Metab Res** 1981 Aug;13(8):460–3
Somatostatin-28 encoded in a cloned cDNA obtained from a rat medullary thyroid carcinoma. Goodman RH, et al. **J Biol Chem** 1982 Feb 10;257(3):1156–9
Thyrotropin binding and adenylate cyclase activation in normal and neoplastic human thyroid tissue: lack of effect of thyroglobulin. Clark OH, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1157–63
A new in vitro assay for human thyroid stimulator using cultured thyroid cells: effect of sodium chloride on adenosine 3',5'-monophosphate increase. Kasagi K, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):108–14
The prognostic and biological significance of cellular heterogeneity in medullary thyroid carcinoma: a study of calcitonin, L-dopa decarboxylase, and histaminase. Lippman SM, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):233–40
Molecular heterogeneity and biological activity of immunoreactive somatostatin in medullary carcinoma of the thyroid. Saito S, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1117–22
Sequential serum thyroglobulin determinations, 131I scans, and 131I uptakes after triiodothyronine withdrawal in patients with thyroid cancer. Schneider AB, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1199–206
Multiple forms of immunoreactive beta-endorphin are present in an ectopic adrenocorticotropin-producing tumor but not in normal pituitary or pituitary adenomas. Suda T, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):167–71
Production of thyroxine (T4) and triiodothyronine (T3) in nontoxic thyroid tumors. An immunohistochemical study. Kawaoi A, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):249–57
[Serum and urine calcitonin levels in patients with medullary thyroid carcinoma and with non-thyroidal cancer, and their immunological size-heterogeneity (author's transl)] Morimoto S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Aug 20;57(8):1127–38 (Eng. Abstr.) **(Jpn)**
[Iodine metabolism in 'cold' thyroid nodules (author's transl)] Inoue K, et al. **Rinsho Byori** 1982 Feb;30(2):164–9 **(Jpn)**

MORTALITY

Survival time and 'cure' in papillary and follicular thyroid carcinoma with distant metastases: statistics following University of Michigan therapy. Beierwaltes WH, et al. **J Nucl Med** 1982 Jul;23(7):561–8
[Is age a prognostic factor in differentiated carcinoma of the thyroid gland? (author's transl)] Proye C, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3701–4 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Volcanoes and carcinoma of the thyroid: a possible association. Kung TM, et al. **Arch Environ Health** 1981 Sep–Oct;36(5):265–7
Radiation and risk for thyroid cancer: atypical findings of a community thyroid recall program. Straub W, et al. **Clin Nucl Med** 1982 Jun;7(6):272–6
The presentation of thyroid malignancy in the geriatric patient. Hamburger JI. **Henry Ford Hosp Med J** 1980; 28(2–3):158–60
[Epidemiology of thyroid cancer (author's transl)] Riccabona G. **Praxis** 1982 Mar 30;71(13):523–5 (Eng. Abstr.) **(Ger)**
[The present status of papillary thyroid carcinoma in Berne (author's transl)] Rösler H. **Praxis** 1982 Mar 30; 71(13):541–54 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ground-glass nuclei in papillary carcinoma of the thyroid [letter] Pedio G, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec;25(6):728
Radiation-induced parathyroid adenomas and thyroid tumors in rats. Fjälling M, et al. **Acta Pathol Microbiol Scand [A]** 1981 Nov;89(6):425–9
Medullary differentiation of anaplastic thyroid carcinoma. Nieuwenhuijzen Kruseman AC, et al. **Am J Clin Pathol** 1982 May;77(5):541–7
Papillary thyroid carcinoma associated with polyposis coli. A case of Gardner's syndrome. Lee FI, et al. **Am J Gastroenterol** 1981 Aug;76(2):138–40
Medullary carcinoma of the thyroid in the multiple endocrine neoplasia IIA syndrome. Bigner SH, et al. **Am J Surg Pathol** 1981 Jul;5(5):459–72
Paraganglioma of thyroid. (letter) Goldman RL. **Am J Surg Pathol** 1982 Jan;6(1):87
Thyroid lymphoma with adjacent nerve paralysis. Billie JD, et al. **Arch Otolaryngol** 1982 Aug;108(8):517–9
Sturge-Weber syndrome. A case with thyroid and choroid plexus hemangiomas and leptomeningeal melanosis. Bentz MS, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):75–8
Cancer in cystic lesions of the thyroid. Hammer M, et al. **Arch Surg** 1982 Aug;117(8):1020–3
Calcitonin and carcinoembryonic antigen in poorly differentiated follicular carcinoma. Calmettes C, et al. **Cancer** 1982 Jun 1;49(11):2342–8
Non-Hodgkin's lymphoma presenting as thyroid enlargement. Chak LY, et al. **Cancer** 1981 Dec 15; 48(12):2712–6
Carcinoma of the thyroid with a mixed medullary and follicular pattern: morphologic, immunohistochemical, and clinical laboratory studies. Hales M, et al. **Cancer** 1982 Oct 1;50(7):1352–9
Pathology of the cold nodule. Brown CL. **Clin Endocrinol Metab** 1981 Jul;10(2):235–45
Fine-needle aspiration cytology in thyroid disease. Willems JS, et al. **Clin Endocrinol Metab** 1981 Jul;10(2):247–66
Malignant lymphoma of the thyroid. Williams ED. **Clin Endocrinol Metab** 1981 Jul;10(2):379–89
Malignant lymphoma of the thyroid gland: a clinicopathologic study. Kapadia SB, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):270–80
Cytopathology of thyroid nodules. Kini SR, et al. **Henry Ford Hosp Med J** 1982;30(1):17–24
Multiple endocrine neoplasia type 2b in twins. Galera H, et al. **Histopathology** 1982 Jan;6(1):111–9
Hodgkin's disease manifested as a thyroid nodule. Feigin GA, et al. **Hum Pathol** 1982 Aug;13(8):774–6
Metastatic thyroid carcinoma of the mandible. Nishimura Y, et al. **J Oral Maxillofac Surg** 1982 Apr;40(4):221–5
Squamous cell carcinoma of the thyroid gland -- transition from adenocarcinoma. Harada T, et al. **J Surg Oncol** 1982 Jan;19(1):36–43
Thyroglossal duct carcinoma [letter] Blum M, et al. **JAMA** 1982 Aug 27;248(8):924
The pathobiology of the human calcitonin (C)-cell: a review. de Lellis RA, et al. **Pathol Annu** 1981;16(Pt 2):25–52 (65 ref.)
Histopathologic differential diagnosis of the thyroid. Livolsi VA, et al. **Pathol Annu** 1981;16(Pt 2):357–406 (235 ref.)
Thyroglossal duct carcinoma. A case report and review of the literature. Villet WT, et al. **S Afr Med J** 1981 Nov 14;60(20):795–6
Reevaluation of needle aspiration cytology in detection of thyroid cancer. Rosen IB, et al. **Surgery** 1981 Oct; 90(4):747–56
Sipple's syndrome: description of one case. Dessy E, et al. **Tumori** 1981 May–Jun;67(3):245–8
The utility of fine needle aspiration biopsy cytology in the management of thyroid tumors. Varhaug JE, et al. **World J Surg** 1981 Jul;5(4):573–7
[Case of Hashimoto's toxicosis with occult thyroid carcinoma] Papazov G, et al. **Vutr Boles** 1981;20(5):105–11 (Eng. Abstr.) **(Bul)**
[Pathomorphologic study of C cell carcinoma of the thyroid--a report of 28 cases (author's transl)] Xu SX. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):51–3 (Eng. Abstr.) **(Chi)**

[Carcinogenic effects of 131I and 132I observed in the thyroid glands of rats (author's transl)] Liu ZH. **Chung Hua I Hsueh Tsa Chih** 1981 Oct;61(10):610–2 (Eng. Abstr.) **(Chi)**

[Multiple paraganglioma of the thyroid region of the neck. Papillary cancer associated with parathyroid adenoma (author's transl)] Cayot F, et al. **Arch Anat Cytol Pathol** 1982;30(2):81–4 (Eng. Abstr.) **(Fre)**

[Fine needle aspiration biopsy in papillary carcinoma of the thyroid (author's transl)] Houcke M, et al. **Arch Anat Cytol Pathol** 1982;30(1):25–32 (Eng. Abstr.) **(Fre)**

[Demonstration in a thyroid cancer of vesicular structures similar to ultimobranchial-type vesicles described in mice] Caillou B, et al. **C R Seances Acad Sci [III]** 1981 May 11;292(17):999–1004 (Eng. Abstr.) **(Fre)**

[Occult papillary thyroid cancer] Schindler AM. **Schweiz Med Wochenschr** 1982 Mar 6;112(10):339–44 (Eng. Abstr.) **(Fre)**

[Clinical aspect of undifferentiated thyroid tumor (author's transl)] Weber MJ. **Praxis** 1982 Mar 30;71(13):567–9 (Eng. Abstr.) **(Ger)**

[On problems of the term 'atypical adenoma' of the thyroid gland (author's transl)] Kühne W, et al. **Zentralbl Allg Pathol** 1982;126(1–2):142–50 (Eng. Abstr.) **(Ger)**

[Intraoperative cytodiagnosis in thyroid surgery] Fábián E, et al. **Orv Hetil** 1981 Nov 29;122(48):2943–5 **(Hun)**

[Intrapulmonary thyroid tissue: metastasis or chorista?] Banna P, et al. **Minerva Chir** 1981 Nov 30;36(22):1499–503 (Eng. Abstr.) **(Ita)**

[A case of anaplastic carcinoma transformed from clear cell carcinoma of the thyroid (author's transl)] Ishida T, et al. **Horumon To Rinsho** 1981 Aug;29(8):955–60 **(Jpn)**

[Pathology and cytology of the thyroid diseases (author's transl)] Namiki T. **Rinsho Byori** 1982 Feb;30(2):185–94 **(Jpn)**

[Nodular changes in the thyroid of children with a congenital defect of thyroid hormone synthesis] Rybakowa M, et al. **Folia Med Cracov** 1981;23(2):203–10 **(Pol)**

[A contribution to lateral neck tumors--metastatic papillary thyroid carcinoma (author's transl)] Gazdeczka-Rybak Z. **Otolaryngol Pol** 1981;35(4–6):375–8 **(Pol)**

[Simultaneous lesion of the cervical lymph node by metastatic thyroid cancer and lymphosarcoma] Bogdanskaia NI. **Arkh Patol** 1981;43(11):70–1 (Eng. Abstr.) **(Rus)**

[Cystic metastases of occult papillary cancer of the thyroid] Fedchenko LG, et al. **Vopr Onkol** 1981;27(12):71–2 **(Rus)**

[Medullary cancer of the thyroid] Paches AI, et al. **Vopr Onkol** 1982;28(5):77–82 (Eng. Abstr.) **(Rus)**

[Medullary carcinoma of the thyroid and multiple endocrine neoplasia type II-B (author's transl)] Michelsen H, et al. **Rev Med Chil** 1981 Apr;109(4):332–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Sodium and calcium action potentials in cells derived from a rat medullary thyroid carcinoma. Sand O, et al. **Acta Physiol Scand** 1981 Jul;112(3):287–91

Long-term effect of radiation on thyroid function and tumor formation. Prinz RA, et al. **J Surg Res** 1982 Apr; 32(4):329–37

Effects of hypothyroidism on development of nitrosomethylurea-induced tumors of the mammary gland, thyroid gland, and other tissues. Milmore JE, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):487–93

Radioiodine total body scan versus serum thyroglobulin levels in follow-up of patients with thyroid cancer. Colacchio TA, et al. **Surgery** 1982 Jan;91(1):42–5

[Development of the adrenal medulla in rats subjected to treatment inducing the Sipple syndrome] Stoll R, et al. **C R Soc Biol (Paris)** 1982;176(2):166–70 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

A cancer control program for irradiation related thyroid cancer. McGrath D. **Prog Clin Biol Res** 1981;57:211–4

RADIOGRAPHY

Review: Meduliary carcinoma of the thyroid: radiographic features of a unique tumor. McCook TA, et al. **AJR** 1982 Jul;139(1):149–55 (27 ref.)

Xeroradiography of the thyroid. Kasai N, et al. **Radiology** 1981 Nov;141(2):439–42

[Computerized tomography in detecting metastases of thyroid cancer (author's transl)] Vock P. **Praxis** 1982 Mar 30;71(13):538–40 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Role of 131Cs scan in preoperative diagnosis of nonfunctioning thyroid nodules. Madeddu G, et al. **Am Surg** 1981 Nov;47(11):479–82

Radionuclide angiography for the diagnosis of thyroid cancer. Lee VW, et al. **Arch Surg** 1982 Sep;117(9):1228–32

Thallium-201-chloride thyroid scintigraphy to evaluate benign and/or malignant nodules: usefulness of the delayed scan. Ochi H, et al. **Cancer** 1982 Jul 15;50(2):236–40

Accumulation of Tc-99m phosphorus compounds in medullary carcinoma of the thyroid: report of two cases. Shirano C, et al. **Clin Nucl Med** 1982 Jun;7(6):297–8

Tc-99m diphosphonate imaging in the differential diagnosis of thyroid nodules. Siddiqui AR, et al. **Clin Nucl Med** 1982 Aug;7(8):353–6

Scintigraphic studies in patients with medullary carcinoma of the thyroid. Rasmusson B. **Eur J Nucl Med** 1982; 7(4):150–1

Sequential serum thyroglobulin determinations, 131I scans, and 131I uptakes after triiodothyronine withdrawal in patients with thyroid cancer. Schneider AB, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1199–206

Significance of extrathyroidal uptake of Tc-99m and I-123 in the thyroid scan: concise communication. Ryo UY, et al. **J Nucl Med** 1981 Dec;22(12):1039–42

Comparison of Tl-201 chloride and Ga-67 citrate scintigraphy in the diagnosis of thyroid tumor: concise communication. Senga O, et al. **J Nucl Med** 1982 Mar; 23(3):225–8

The significance of I-131 scan doses in patients with thyroid cancer: determination of ablation: concise communication [letter] Thomas FD. **J Nucl Med** 1982 Apr;23(4):363–4

The significance of 1-131 scan dose in patients with thyroid cancer: determination of ablation: concise communication. Waxman A, et al. **J Nucl Med** 1981 Oct;22(10):861–5

Can thyroglobulin assay really supplant radioiodine scans in patients with differentiated thyroid cancer? [letter] Castagnoli A, et al. **Lancet** 1982 Mar 6;1(8271):573–4

Visualization of 'cold' thyroid nodules with nonradioactive iodine [letter] Lips CJ, et al. **N Engl J Med** 1982 Jun 17; 306(24):1491

Clinical evaluation of 67Ga scanning in the diagnosis of anaplastic carcinoma and malignant lymphoma of the thyroid. Higashi T, et al. **Radiology** 1981 Nov;141(2):491–7

Cold nodule--thyroid scan. Ram R. **Semin Nucl Med** 1981 Oct;11(4):320–1

[Thyreoliberin VUFB in thyroid gammagraphy (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Mar 5; 121(9):269–72 (Eng. Abstr.) **(Cze)**

[Disparate thyroid imaging with 99mTc pertechnetate and radioiodine (author's transl)] Koppers B. **ROFO** 1981 Dec; 135(6):717–20 **(Ger)**

[Colloid goiter metastasizing into the temporal region] Csikós F, et al. **Orv Hetil** 1981 Jun 28;122(26):1590–1 **(Hun)**

[Autonomous adenoma of the thyroid gland (letter)] Fényes G, et al. **Orv Hetil** 1982 Jun 6;123(23):1451–2 **(Hun)**

[Unusual scintigraphic aspects of hot thyroid nodules after TSH stimulation: apparent cooling] Fanfani G, et al. **Radiol Med (Torino)** 1981 Oct;67(10):763–6 **(Ita)**

[Clinical evaluation of measurement of human serum thyroglobulin and thyroid scintigraphy for differential diagnosis of thyroid nodules (author's transl)] Yamashita S, et al. **Kaku Igaku** 1981 Aug;18(7):935–9 (Eng. Abstr.) **(Jpn)**

[Relationship between nuclear feulgen-DNA content and 67Ga uptake in patients with malignant thyroid tumors (author's transl)] Higashi T, et al. **Radioisotopes** 1982 Jan; 31(1):42–3 **(Jpn)**

[Complex radionuclide study of the functional state of the pituitary-thyroid system in autonomous thyroid adenomas] Kashkadamov AV. **Med Radiol (Mosk)** 1981 Oct; 26(10):40–3 **(Rus)**

[Cold thyroid nodules: study of 163 cases (author's transl)] Lorente Garcés D, et al. **Med Clin (Barc)** 1981 Sep 25; 77(5):209–12 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Treatment of papillary thyroid carcinoma [letter] Simpson WJ. **Am J Med** 1981 Oct;71(4):742

Comparison of 30- and 50-mCi doses of iodine-131 for thyroid ablation. Degroot LJ, et al. **Ann Intern Med** 1982 Jan;96(1):51–3

Disappearance rate of endogenously radioiodinated thyroglobulin and thyroxine after radioiodine treatment. Jeevanram RK, et al. **Cancer** 1982 Jun 1;49(11):2281–4

The role of nuclear medicine in the treatment of hyperthyroidism and well-differentiated thyroid adenocarcinoma. Maxon HR, et al. **Clin Nucl Med** 1981 Oct;6(10S):P87–98 (108 ref.)

Critique of 'Malignant lymphoma of the thyroid gland' [letter] Stephens RL. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):685

Radioiodine treatment during pregnancy: chromosomal aberrations and cretinism associated with maternal iodine-131 treatment. Goh KO. **J Am Med Wom Assoc** 1981 Aug;36(8):262–5

Treatment of medullary carcinoma of the thyroid with I-131. Nusynowitz ML, et al. **J Nucl Med** 1982 Feb;23(2):143–6

Metastatic iodophilic carcinoma of thyroid to a hand bone. Horn Y. **J Surg Oncol** 1982 Mar;19(3):123–6

Two-orthogonal-view method for quantification of rad dose to neck lesions in thyroid cancer therapy patients. Koral KF, et al. **Med Phys** 1982 Jul-Aug;9(4):497–505

Prospect for the treatment of thyroid cancer with post-operative irradiation. Liaw KY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1240–52

[Results of 131iodine therapy of benign thyroid diseases (author's transl)] Pronath A, et al. **MMW** 1981 Dec 18; 123(51–52):1970–4 (Eng. Abstr.) **(Ger)**

[Treatment of follicular thyroid cancer with radioiodine (author's transl)] Dirr W, et al. **Praxis** 1982 Mar 30; 71(13):562–6 (Eng. Abstr.) **(Ger)**

[Role of percutaneous radiotherapy in the primary treatment of papillary carcinomas of the thyroid gland (author's transl)] Wendt T. **Strahlentherapie** 1982 Jan;158(1):1–3 (Eng. Abstr.) **(Ger)**

[Percutaneous radiotherapy of thyroid malignancies. Analysis of 54 cases] Hohenberg G, et al. **Wien Klin Wochenschr** 1982 Mar 19;94(6):153–7 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of radiologic treatment of malignant struma] zur Horst-Meyer H, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):15–7 **(Ger)**

[Treatment of thyroid cancer with 131I--results on 72 cases (author's transl)] Oyamada H, et al. **Horumon To Rinsho** 1981 Apr;29(4):405–11 **(Jpn)**

[Effective focal doses and the radiation loads in the radioiodine therapy of thyroid cancer] Ivanitskaia VI, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):6–12 (Eng. Abstr.) **(Rus)**

[Radioactive iodine in the treatment of thyroid carcinoma] Pendić S, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1021–9 (Eng. Abstr.) **(Scc)**

SECONDARY

Renal cell carcinoma presenting as a solitary thyroid nodule. Chen WR, et al. **Ann Acad Med Singapore** 1981 Apr; 10(2):229–32

[Intra-thyroid metastases (author's transl)] La Meir E, et al. **Acta Chir Belg** 1982 Mar-Apr;(2):127–32 (Eng. Abstr.) **(Fre)**

[Preclinical hyperthyroidism in thyroid invasion by tumors of other organs] Gemsenjäger E, et al. **Schweiz Med Wochenschr** 1981 Oct 17;111(42):1563–4 (Eng. Abstr.) **(Ger)**

SECRETION

Somatostatin elaboration by monolayer cell cultures derived from transplantable rat medullary thyroid carcinoma: synergistic stimulatory effects of glucagon and calcium. Aron DC, et al. **Endocrinology** 1981 Dec;109(6):1830–4

Concomitant secretion of calcitonin, beta-endorphin and ACTH from medullary thyroid carcinoma in vivo and in vitro. Lamberts SW, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):253–60

Follicular reconstruction and hormone production by human adenomatous goiter cells in culture. Goto K, et al. **Tohoku J Exp Med** 1982 Mar;136(3):285–90

[A comparison of calcitonin production by cultured cells of thyroid glands from patients with medullary or papillary carcinoma in vitro (author's transl)] Sugenoya A, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20;57(5):772–8 (Eng. Abstr.) **(Jpn)**

SURGERY

To the management of the solitary thyroid nodule. Haugen SE, et al. **Acta Chir Scand** 1981;147(3):193–5

Locally invasive, well-differentiated thyroid cancer. 22 years' experience at Memorial Sloan-Kettering Cancer Center. Cody HS 3d, et al. **Am J Surg** 1981 Oct; 142(4):480–3

Thyroid cancer: some basic considerations. Wanebo HJ, et al. **Am J Surg** 1981 Oct;142(4):474–9

Thyroid cancer -- a surgeon's view. Staunton MD. **Ann Acad Med Singapore** 1981 Apr;10(2):203–7

Oxyphil tumors of the thyroid: follow-up of 42 surgical cases. Bondeson L, et al. **Ann Surg** 1981 Dec;194(6):677–80

Total thyroidectomy: the treatment of choice for patients with differentiated thyroid cancer. Clark OH. **Ann Surg** 1982 Sep;196(3):361–70

Resection of the trachea infiltrated by thyroid carcinoma. Ishihara T, et al. **Ann Surg** 1982 Apr;195(4):496–500

Treatment of well-differentiated carcinoma of the thyroid based on initial staging. Duffield RG, et al. **Br J Surg** 1982 Jul;69(7):426–8

Treatment of well-differentiated thyroid carcinoma. Block MA. **Compr Ther** 1981 Dec;7(12):52–8

Carcinoembronic antigen and endocrine response in a patient with Sipple's syndrome following surgery. Nakada T, et al. **Endocrinol Jpn** 1981 Oct;28(5):551–62

Follicular carcinoma of the thyroid metastatic to the kidney 37 years after resection of the primary tumor. Johnson MW, et al. **J Urol** 1982 Jan;127(1):114–6

Serum thyroid hormone concentrations and recovery of TSH secretion after excision of autonomously functioning thyroid nodules. Carpi A, et al. **Metabolism** 1982 May; 31(5):417–20

Experience with malignant tumors of the thyroid gland in a private surgical practice. Bellegie NJ, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):62–4

[Preservation of the recurrent nerve in thyroid carcinoma and cervical lymph node metastases] Chládek V, et al. **Cesk Otolaryngol** 1981 Aug;30(4):193–5 **(Cze)**

[Thoracotomy in the treatment of massive goiters of the posterior mediastinum. Three cases (author's transl)] Maillet P, et al. **Ann Chir** 1982 Feb;36(2):142–7 (Eng. Abstr.) **(Fre)**

[Tracheoplasty employing the nasal septum in an extensive papillary cancer of the thyroid (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):471–4 (Eng. Abstr.) **(Fre)**

[Extended surgery of tumors of the thyroid] Laccourreye H, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov–Dec;

102(11–12):473–81 (Eng. Abstr.) **(Fre)**
[Surgical treatment of medullary thyroid carcinoma (author's transl)] Roka R, et al. **Dtsch Med Wochenschr** 1982 Jan 29;107(4):132–8 (Eng. Abstr.) **(Ger)**
[TSH-secretion after surgery of decompensated autonomous thyroid adenomas] Schumann J, et al. **Med Klin** 1981 Dec 18;76(26):738–42 (Eng. Abstr.) **(Ger)**
[Thyroid neoplasms: treatment with thyroid hormones after thyroidectomy (author's transl)] Horster FA. **Praxis** 1982 Apr 20;71(16):691–3 (Eng. Abstr.) **(Ger)**
[The problem of cancer diagnosis in thyroid nodules: a study in an endemic area for goiter in North Sardinia] Langer M, et al. **Schweiz Med Wochenschr** 1980 Sep 27; 110(39):1411–4 (Eng. Abstr.) **(Ger)**
[The surgical problem of thyroid neoplasms] Baldauf K, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):11–5 **(Ger)**
[The problem of occult thyroid cancer. Report on the simultaneous occurrence of a non-encapsulated sclerosing thyroid cancer with a follicular cancer of the contralateral lobe] Zayadin K, et al. **Zentralbl Chir** 1981;106(20):1369–73 **(Ger)**
[Diagnosis and surgical strategy in suspected malignant goiter] Ladurner D. **ZFA (Stuttgart)** 1981 Oct 10; 57(28):1902–5 **(Ger)**
[Surgical management of an autonomous thyroid adenoma] Csáky G, et al. **Orv Hetil** 1982 Jan 3;123(1):15–8 **(Hun)**
[Thyroid carcinoma. Review of 102 surgically treated cases] Puglionisi A, et al. **Ann Ital Chir** 1981;53(2):155–62 (Eng. Abstr.) **(Ita)**
[Thyroid nodular pathology: retrospective study of 917 surgical interventions] Bertazzo S, et al. **Chir Ital** 1981 Aug; 33(4):852–63 (39 ref.) (Eng. Abstr.) **(Ita)**
[Problems of surgical tactics in monolateral nodular lesions] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):481–4 **(Ita)**
[Lymphadenectomy in cancer of the thyroid. Our experience] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):477–80 **(Ita)**
[Medical treatment of thyroid nodules] Busnardo B, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1919–22 **(Ita)**
[Hot nodules of surgical importance. Observations on 42 cases] Di Filippo B, et al. **Minerva Chir** 1982 Mar 15; 37(5):461–3 **(Ita)**
[Our experience in surgery of monolateral nodular goiters] Di Filippo B, et al. **Minerva Chir** 1982 Mar 15;37(5):431–2 **(Ita)**
[Lymphadenectomy for thyroid cancer. When, how, why] Di Matteo G. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1923–6 **(Ita)**
[Which operation for thyroid hot nodule?] Di Matteo G, et al. **Minerva Chir** 1982 Feb 28;37(4):293–5 **(Ita)**
[Clinico-statistical study of 274 cases of surgically treated thyroid cancer] Marchegiani C, et al. **Minerva Chir** 1982 Apr 30;37(8):737–44 (Eng. Abstr.) **(Ita)**
[Cancer of the thyroid. A critical review of the authors' personal experience] Sartini G, et al. **Minerva Chir** 1981 Nov 30;36(22):1553–7 (Eng. Abstr.) **(Ita)**
[Treatment for the tracheal invasion of the thyroid cancer (author's transl)] Ebihara S, et al. **Horumon To Rinsho** 1981 Apr;29(4):413–6 **(Jpn)**
[Surgical technique of differentiated thyroid cancer (author's transl)] Ezaki H. **Horumon To Rinsho** 1982 Mar; 30(3):249–51 **(Jpn)**
[Value of calcitonin determination in the evaluation of completeness of thyroidectomy in medullary carcinoma of the thyroid gland] Wasylewski A, et al. **Endokrynol Pol** 1981 May-Jun;32(3):239–44 (Eng. Abstr.) **(Pol)**
[Remote results of treatment of papillary cancer of the thyroid] Sznapka Z. **Nowotwory** 1981;30(4):371–5 (Eng. Abstr.) **(Pol)**
[Remote results of treatment of follicular thyroid cancer] Sznapka Z. **Nowotwory** 1981;30(4):367–70 (Eng. Abstr.) **(Pol)**

THERAPY

Non-surgical treatment of thyroid carcinoma. Sethi VK. **Ann Acad Med Singapore** 1981 Jul;10(3):372–5
Thyroid malignancy in the elderly. Simpson WJ. **Geriatrics** 1982 Mar;37(3):119–21, 124–5
Ablation of nonmalignant thyroid remnants with low doses of radioactive iodine: concise communication. Ramacciotti C, et al. **J Nucl Med** 1982 Jun;23(6):483–9
[Thyroid carcinoma: clinical discussion of 35 cases (author's transl)] Wang PW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1349–56 (Eng. Abstr.) **(Chi)**
[The care of patients with malignant goiter] Riccabona G, et al. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1906–9 **(Ger)**
[Hot nodules of the thyroid. Our therapeutic procedure] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):457–60 **(Ita)**
[Anaplastic carcinoma of the thyroid: the diagnosis and treatment (author's transl)] Kasai N, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20;16(6):1263–74 (Eng. Abstr.) **(Jpn)**
[Experience in the treatment of thyroid cancer (author's transl)] Dodig D, et al. **Lijec Vjesn** 1980;102(11):625–30 (Eng. Abstr.) **(Scr)**
[Treatment of thyroid cancer] Sierra Garcia A. **An R Acad Nac Med (Madr)** 1981;98(4):627–62 **(Spa)**

ULTRASTRUCTURE

Unusual cytoplasmic inclusion bodies in medullary carcinoma of the thyroid gland. Kakudo K, et al. **Acta Pathol Jpn** 1982 Mar;32(2):319–26
Electron microscopic study on mitochondria in Hürthle cell adenoma of thyroid. Satoh M, et al. **Acta Pathol Jpn** 1981 Nov;31(6):1079–87
The fine structure of follicular thyroid adenomas. Johannessen JV, et al. **Am J Clin Pathol** 1982 Sep; 78(3):299–310
Follicular carcinoma of the human thyroid gland: an ultrastructural study with emphasis on scanning electron microscopy. Johannessen JV, et al. **Diagn Histopathol** 1982 Apr-Jun;5(2):113–27
An ultrastructural and cytoenzymological study on the folliculo-papillary thyroid carcinoma. Dumitriu L, et al. **Endocrinologie** 1981 Jan-Mar;19(1):39–43
The fine structure of papillary carcinoma of the thyroid. Beaumont A, et al. **Histopathology** 1981 Jul;5(4):377–88
Surface features in human thyroid disorders. A scanning electron microscopic study of ninety five cases. Sobrinho-Simões M, et al. **J Submicrosc Cytol** 1982 Jan; 14(1):187–202
The ultrastructure of the thyroid medullary carcinoma. Taşcă C, et al. **Morphol Embryol (Bucur)** 1981 Oct-Dec; 27(4):335–40
Ultrastructural pathology of the thyroid folliculo-papillary and follicular carcinoma. Taşcă C, et al. **Morphol Embryol (Bucur)** 1981 Jul-Sep;27(3):239–44
Pleomorphic atypical thyroid adenoma arising in struma testis: light microscopic, ultrastructural and immunofluorescent studies. Waxman M, et al. **Mt Sinai J Med (NY)** 1982 Jan-Feb;49(1):13–7
Ultrastructure of thyroid tumors. I. Follicular adenomas and carcinomas in rats and hamsters. Christov K. **Pathol Res Pract** 1981 Dec;173(1–2):30–44
Neuroendocrine carcinomas with multiple immunoreactive peptides and melanin production. Gould VE, et al. **Ultrastruct Pathol** 1981 Jul-Sep;2(3):199–217
[Scanning electron microscopy of thyroid follicular adenomas and carcinomas in rats] Khristov K. **Eksp Med Morfol** 1981;20(4):220–5 (Eng. Abstr.) **(Bul)**
[Endocrine APUD cells in papillary-follicular thyroid cancer with stromal amyloidosis] Lomakina II, et al. **Arkh Patol** 1981;43(11):71–4 **(Rus)**
[Ultrastructural characteristics of the cells of human medullary thyroid cancer] Mikhailov IG, et al. **Arkh Patol** 1981;43(10):19–25 (Eng. Abstr.) **(Rus)**
[Nonmedullary apudoma of the thyroid gland] Serezhin BS. **Arkh Patol** 1981;43(12):8–12 (Eng. Abstr.) **(Rus)**

URINE

Radioimmunoassay of urinary calcitonin in normal subjects and in patients with medullary carcinoma of the thyroid. Morimoto S, et al. **Endocrinol Jpn** 1982 Feb;29(1):1–10

VETERINARY

Radioisotope imaging for the evaluation of thyroid neoplasia and hypothyroidism in a dog. Branam JE, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1077–9
Multiple endocrine neoplasia in a dog. Peterson ME, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1476–8
Neoplasia of the larynx in the dog. Wheeldon EB, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):642–7
Medullary carcinoma of the thyroid in a mouflon (Ovis musimon). Wadsworth PF, et al. **J Comp Pathol** 1981 Apr; 91(2):313–6
[Cell growth and neoplasms of the thyroid gland in horses] Cubillos V, et al. **Zentralbl Veterinarmed [A]** 1981; 28(3):201–8 (Eng. Abstr.) **(Spa)**

THYROID STIMULATING HORMONE see **THYROTROPIN**

THYROID STIMULATOR, LONG-ACTING see **LONG-ACTING THYROID STIMULATOR**

THYROIDECTOMY

Effect of ovariectomy, thyroidectomy and of thyroxine treatment on the plasma level of corticosterone of the female Japanese quail. Péczely P, et al. **Acta Biol Acad Sci Hung** 1981;32(1):1–6
Atrophy of the zona fasciculata in the adrenal cortex of thyroparathyroidectomized rats: a quantitative study. Conran RM, et al. **Am J Anat** 1982 Jun;164(2):133–43
The effects of fetal thyroidectomy during the second trimester in the ovine fetus. Bhakthavathsalan A, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):436–42
Parathyroid autotransplantation in patients with parathyroid disease and total thyroidectomy. Indications in 117 cases. Katz AD. **Am J Surg** 1981 Oct;142(4):490–3
An unusual cause of respiratory obstruction after thyroidectomy [letter] Bexton MD, et al. **Anaesthesia** 1982 May;37(5):596
Thyroidectomy: is Lugol's iodine necessary? Coyle PJ, et al. **Ann R Coll Surg Engl** 1982 Sep;64(5):334–5
Propranolol and thyroidectomy in the treatment of thyrotoxicosis. Lee TC, et al. **Ann Surg** 1982 Jun; 195(6):766–73
Thyroid hormones and muscle protein turnover. The effect of thyroid-hormone deficiency and replacement in thryoidectomized and hypophysectomized rats. Brown JG, et al. **Biochem J** 1981 Mar 15;194(3):771–82
Alterations in albumin secretion and total protein synthesis in livers of thyroidectomized rats. Peavy DE, et al. **Biochem J** 1981 Aug 15;198(2):289–99
Development of bile acid biogenesis in the rat: effect of neonatal thyroidectomy, adrenalectomy, and streptozotocin-induced diabetes. Hassan AS, et al. **Biol Neonate** 1982;41(3–4):110–4
Importance of thyroxine in suppressing secretion of thyroid-stimulating hormone after thyroidectomy. Erfurth EM, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):941–2
Reduction of lead-induced hypercalcemia by calcitonin: comparison between thyroid-intact and thyroidectomized rats. Talmage RV, et al. **Calcif Tissue Int** 1982 Jan; 34(1):97–102
An ultrastructural study of postprandial changes in bone lining cells of lead-injected thyroidectomized and thyroid-intact rats. VanderWiel CJ, et al. **Calcif Tissue Int** 1982 May;34(3):295–300
Plasma lipids, lipoproteins, and triglyceride turnover in eu- and hypo-thyroid rats and rats on a hypocaloric diet. Dory L, et al. **Can J Biochem** 1981 Aug;59(8):715–21
Altered endocrine response to partial thyroidectomy in propranolol-prepared hyperthyroid patients. Feely J, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):597–604
The vanishing surgical treatment of Graves' disease: review of current literature and experience with 50 patients. Argov S, et al. **Curr Surg** 1982 May-Jun;39(3):158–62 (25 ref.)
Unilateral posterior deafferentation of hypothalamus and mitotic activity of thyroid follicular cells under normal conditions and after hemithyroidectomy. Lewiński A, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):75–80
Thyrotropin-like immunoreactivity in the pituitary and three brain regions of the female rat: diurnal variations and the effect of thyroidectomy. Ottenweller JE, et al. **Endocrinology** 1982 Aug;111(2):515–21
Effects of phenylalamine on serum concentrations of TSH and thyroid hormones in hemithyreoidectomized rats. Lewiński A, et al. **Endokrinologie** 1981 Dec;78(2–3):219–26
Plasma transcortin concentration in thyroidectomized chick embryos. Martin C, et al. **Experientia** 1982 Jun 15; 38(6):697–8
Effect of thyroidectomy on the distribution of the fast and slow forms of troponin I in rat soleus muscle. Dhoot GK, et al. **FEBS Lett** 1981 Oct 26;133(2):225–9
Relative physiological activity of calcitonin in the thyroid and ultimobranchial glands of the pigeon, Columba livia Gmelin. Kapoor AS, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):307–13
Thyroid hormones effects on RNA synthesis in brain and liver of neonatal hypothyroid rats. Berti LN, et al. **Horm Metab Res** 1981 Dec;13(12):691–5
Muscle LPL activity, plasma and muscle triglycerides in trained thyroidectomized rats. Kaciuba-Uścilko H, et al. **Horm Metab Res** 1981 Dec;13(12):688–90
Comparison of metabolic effects of glucagon and calcitonin and assessment of direct effect of glucagon on calcitonin level in athyroid man. Zamrazil V, et al. **Horm Metab Res** 1981 Nov;13(11):631–5
Pituitary is not required for the compensatory thyroid hyperplasia. Lewiński A. **Horm Res** 1981;15(3):189–97
Decreased alpha 1-adrenoceptor responsiveness and density in liver cells of thyroidectomized rats. Preiksaitis HG, et al. **J Biol Chem** 1982 Apr 25;257(8):4321–7
The effect of thyroxine, the antithyroid drug propylthiouracil and thyroidectomy on mineral metabolism in rat tissues. Al-Khayat TM, et al. **J Clin Chem Clin Biochem** 1982 May; 20(5):281–5
Effect of thyroparathyroidectomy and parathyroidectomy on renal function and the nephrotic syndrome in rat nephrotoxic serum nephritis. Tomford RC, et al. **J Clin Invest** 1981 Sep;68(3):655–64
The effects of thyroid status on some properties of rat fast-twitch muscle. Nwoye L, et al. **J Muscle Res Cell Motil** 1981 Sep;2(3):307–20
The significance of 1-131 scan dose in patients with thyroid cancer: determination of ablation: concise communication. Waxman A, et al. **J Nucl Med** 1981 Oct;22(10):861–5
Interaction of calcitonin and histamine on bile calcium excretion in thyroparathyroidectomized rats. Yamaguchi M, et al. **J Pharmacobiodyn** 1981 Jun;4(6):418–22
Pancreatic endocrine function in cortisol-treated thyroidectomized calves. Bloom SR, et al. **J Physiol (Lond)** 1981 Sep;318:395–406
Effect of thyroidectomy on the rat adrenal cortex enzyme activities involved in corticosterone and aldosterone biosynthesis. Benelli C, et al. **J Steroid Biochem** 1982 Jun; 16(6):755–61
Effect of thyroidectomy on pregnenolone and progesterone biosynthesis in rat adrenal cortex. Benelli C, et al. **J Steroid Biochem** 1982 Jun;16(6):749–54
Thyroparathyroidectomy increases the activity of catalase in the adrenal gland of the rat. A structural and functional study. Conran RM, et al. **J Submicrosc Cytol** 1982 Apr; 14(2):305–12
Effects of thyroidectomy on the adrenal cortex zona fasciculata. Magalhães MC, et al. **J Ultrastruct Res** 1981 Aug;76(2):120–6
What is the significance of raised plasma TSH levels after

thyroid surgery? Toft AD, et al. **Scott Med J** 1982 Jul; 27(3):216–9

[Multipuncture system during anaesthesias with halothane. Technic in minor surgery (author's transl)] Garen C, et al. **Anesth Analg (Paris)** 1982;38(11–12):669–73 (Eng. Abstr.) **(Fre)**

[Brain mitochondrial and nuclear activity of the thyroidectomized rat] Dembri A, et al. **C R Soc Biol (Paris)** 1981;175(4):457–61 (Eng. Abstr.) **(Fre)**

[TSH-secretion after surgery of decompensated autonomous thyroid adenomas] Schumann J, et al. **Med Klin** 1981 Dec 18;76(26):738–42 (Eng. Abstr.) **(Ger)**

[Esophageal varices in recurrent struma] Lagemann K, et al. **Med Welt** 1981 Dec 11;32(50):1920–1 **(Ger)**

[Recurrence prophylaxis after surgical treatment of endothoracic struma] Hartel E, et al. **MMW** 1981 Nov 6; 123(45):1711–2 **(Ger)**

[Thyroid neoplasms: treatment with thyroid hormones after thyroidectomy (author's transl)] Horster FA. **Praxis** 1982 Apr 20;71(16):691–3 (Eng. Abstr.) **(Ger)**

[Intraoperative cytodiagnosis in thyroid surgery] Fábián E, et al. **Orv Hetil** 1981 Nov 29;122(48):2943–5 **(Hun)**

[Identification of the recurrent nerve in thyroid surgery] Iseppi P, et al. **Chir Ital** 1982 Apr;34(2):251–61 (39 ref.) **(Ita)**

[Lymphadenectomy in cancer of the thyroid. Our experience] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):477–80 **(Ita)**

[Our experience in surgery of monolateral nodular goiters] Di Filippo B, et al. **Minerva Chir** 1982 Mar 15;37(5):431–2 **(Ita)**

[Lymphadenectomy for thyroid cancer. When, how, why] Di Matteo G. **Minerva Chir** 1980 Dec 15–31; 35(23–24):1923–6 **(Ita)**

[Extension of thyroidectomy in monolateral nodular goiters] Ruffo A, et al. **Minerva Chir** 1981 Sep 30;36(18):1161–4 **(Ita)**

[Serratia septicemia following thyroidectomy (author's transl)] Uematsu A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):465–9 (Eng. Abstr.) **(Jpn)**

[A study of thyroid function in patients with Graves' disease after 5 to 10 years of subtotal thyroidectomy: with special emphasis on TRH tests, T3 suppression tests and antithyroid antibodies in euthyroid patients (author's transl)] Fukino O, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20;57(11):1581–90 (Eng. Abstr.) **(Jpn)**

[Changes in glucose metabolism and cardiovascular responses in thyroidectomized streptozotocin treated diabetic rats (author's transl)] Fujii E, et al. **Nippon Yakurigaku Zasshi** 1982 Jan;79(1):33–41 (Eng. Abstr.) **(Jpn)**

[Evaluation of TSH level and circadian TSH rhythm in patients treated with iodide-bromide mineral water after subtotal strumectomy] Skórzyński A, et al. **Endokrynol Pol** 1982;32(5):393–401 (Eng. Abstr.) **(Pol)**

[Value of calcitonin determination in the evaluation of completeness of thyroidectomy in medullary carcinoma of the thyroid gland] Wasylewski A, et al. **Endokrynol Pol** 1981 May-Jun;32(3):239–44 (Eng. Abstr.) **(Pol)**

[Pathogenesis of thyroid regeneration in women following strumectomy] Zych F, et al. **Pol Tyg Lek** 1982 Apr 19; 37(7):189–90 (Eng. Abstr.) **(Pol)**

[Lithium carbonate in the preparation of patients with untreated thyrotoxicosis for strumectomy] Bielicki F, et al. **Wiad Lek** 1981 Jul 15;34(14):1157–60 (Eng. Abstr.) **(Pol)**

[Serum triglycerides and atherogenic diet. Effect of thyroid hormones] Vasiliu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):337–40 **(Rum)**

ADVERSE EFFECTS

Hypothyroidism after thyroidectomy for Graves' disease. Farnell MB, et al. **Am J Surg** 1981 Nov;142(5):535–8

Does calcitonin cause hypocalcaemia after thyroidectomy? Sawers JS, et al. **Br J Surg** 1982 Aug;69(8):456–8

Rapid correction by 1-alpha-hydroxycholecalciferol of hemichorea in surgical hypoparathyroidism. Salti I, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):89–90

Pendred's syndrome – consequences of thyroidectomy. Winearls CG, et al. **Postgrad Med J** 1981 May; 57(667):329–30

[Recurrent nerve paralysis following thyroid surgery (author's transl)] André P, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):443–5 (Eng. Abstr.) **(Fre)**

[Experimental clinical study of the behavior of calcemia after surgical removal of the thyroid] Marchegiani C, et al. **Ann Ital Chir** 1981;53(1):37–49 **(Ita)**

[The recurrent nerve in thyroid surgery. Anatomo-surgical aspects] Marongiu G, et al. **Minerva Chir** 1981 Sep 30; 36(18):1165–74 **(Ita)**

[Evaluation of thyroid autoantibodies in diffuse toxic goiter: pre- and postoperative study] Brandão LG, et al. **AMB** 1981 Oct;27(10):299–300 (Eng. Abstr.) **(Por)**

[Respiratory distress after surgery of thyroid gland. Three cases] Alvarez J, et al. **Rev Esp Anestesiol Reanim** 1982 May;29(3):154–6 (Eng. Abstr.) **(Spa)**

METHODS

The importance of elevated TSH in serum after subtotal thyroidectomy for hyperthyroidism. A five-year follow-up study. Lundström B, et al. **Acta Chir Scand** 1981; 147(8):645–7

Total thyroidectomy: the treatment of choice for patients with differentiated thyroid cancer. Clark OH. **Ann Surg** 1982 Sep;196(3):361–70

[Preservation of the recurrent nerve in thyroid carcinoma and cervical lymph node metastases] Chládek V, et al. **Cesk Otolaryngol** 1981 Aug;30(4):193–5 **(Cze)**

[Thoracotomy in the treatment of massive goiters of the posterior mediastinum. Three cases (author's transl)] Maillet P, et al. **Ann Chir** 1982 Feb;36(2):142–7 (Eng. Abstr.) **(Fre)**

[Complications in thyroid surgery (author's transl)] Ladurner D. **Wien Med Wochenschr** 1981 Aug 31;131(15–16):387–9 (Eng. Abstr.) **(Ger)**

[The surgical problem of thyroid neoplasms] Baldauf K, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):11–5 **(Ger)**

[Hyperthyroidism as a therapeutic problem from the surgical view] Böhme H, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):9–10 **(Ger)**

[The status of modern thyroid surgery] Brandt J, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):6–8 **(Ger)**

[Concentration of calcium and phosphorus in patients after thyroidectomy without ligation of the inferior thyroid arteries (author's transl)] Schmauss AK, et al. **Zentralbl Chir** 1981;106(16):1063–73 (Eng. Abstr.) **(Ger)**

[Surgical treatment of recurrent toxic goiter] Kamardin LN, et al. **Vestn Khir** 1981 Sep;127(9):16–20 **(Rus)**

THYROIDITIS

Pathology and probabilities: a new approach to interpreting and reporting biopsies. Schwartz WB, et al. **N Engl J Med** 1981 Oct 15;305(16):917–23

BLOOD

Serum free thyroxine and triiodothyronine concentrations in subacute thyroiditis. Yoshida K, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):185–8

CHEMICALLY INDUCED

[Autoimmune thyroiditis. A rare complication of treatment with D-penicillamine (author's transl)] Bertrand JL, et al. **Therapie** 1981 May-Jun;36(3):333–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Triiodothyronine thyrotoxicosis complicating primary hypothyroidism in a patient with autoimmune thyroiditis. Kohut WD, et al. **Am J Med** 1982 May;72(5):843–6

Chronic persistent cough: an uncommon presenting complaint of thyroiditis. Irwin RS, et al. **Chest** 1982 Mar; 81(3):386–8

Spontaneous hypothyroidism in symptomless autoimmune thyroiditis. A long-term follow-up study. Gordin A, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):537–43

Thyroid abscess associated with Eikenella corrodens in a 7-year-old child. Appelbaum PC, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):241–2

Neck pain due to acute suppurative thyroiditis and thyroglossal duct abscess. Rohn RD, et al. **J Adolesc Health Care** 1980 Dec;1(2):155–8

Simultaneous occurrence of adult celiac disease and lymphocytic thyroiditis. Troutman ME, et al. **J Clin Gastroenterol** 1981 Sep;3(3):281–5

Hyperthyroidism with painless subacute thyroiditis in the elderly. Gordon M, et al. **JAMA** 1981 Nov 20; 246(20):2354–5

A case of membranous nephropathy associated with thyroid antigens. Iwaoka T, et al. **Jpn J Med** 1982 Jan;21(1):29–34

Thyrotoxic subacute thyroiditis associated with hepatitis. Pathogenic relationship between the disorders is not clear. Wachtel TJ. **Ri Med J** 1982 Feb;65(2):75–7

Riedel's thyroiditis with invasion of the lungs. Ward MJ, et al. **Thorax** 1981 Dec;36(12):956–7

[Diabetes and autoimmune thyroiditis. Description of an unusual case (letter)] Marietti G, et al. **Minerva Pediatr** 1981 Oct 31;33(20):1025 **(Ita)**

DIAGNOSIS

Radiological case of the month. Acute suppurative thyroiditis. Wojtowycz M, et al. **Am J Dis Child** 1981 Nov; 135(11):1063–4

Silent thyrotoxic thyroiditis. Klein I, et al. **Ann Intern Med** 1982 Feb;96(2):242–4

Ruptured branchial cleft cyst presenting as acute thyroid infection. Montgomery GL, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):380–3

Infective thyroiditis: (an analysis of 30 cases). Kannan V. **J Assoc Physicians India** 1981 Mar;29(3):189–95

[The diagnosis of autoimmune thyroiditis with goiter (author's transl)] Bai Y. **Chung Hua Nei Ko Tsa Chih** 1982 Jan;21(1):39–41 **(Chi)**

[Thyroiditis : diagnostic and therapeutic features (excluding Graves disease and myxedema) : 13 case-reports (author's transl)] Heim J, et al. **Sem Hop Paris** 1981 Oct 8–15; 57(37–38):1494–8 (Eng. Abstr.) **(Fre)**

[Thyroiditis. Diagnosis and therapy] Schatz H. **Verh Dtsch Ges Inn Med** 1981;87:398–410 **(Ger)**

[Diagnostic significant of thin-needle biopsy in inflammations of the thyroid gland] Sztojka S, et al. **Orv Hetil** 1981 Jul 12;122(28):1701–3 **(Hun)**

[Diagnostic value of the determination of serum hexokinase activity in thyroid cancer and autoimmune thyroiditis] Rudkovskii MS, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):19–21 (Eng. Abstr.) **(Rus)**

[Use of aspiration biopsy of the thyroid and the determination of thyroid autoantibodies circulating in the blood in the diagnosis of autoimmune thyroiditis] Levit ID. **Sov Med** 1982;(1):82–5 **(Rus)**

DRUG THERAPY

Tuberculous thyroiditis cured by drug therapy. Milcu SM, et al. **Endocrinologie** 1981 Oct-Dec;19(4):261–3

Suppression of experimental allergic thyroiditis in rats treated with lithium chloride. Jankovic BD, et al. **Immunobiology** 1982 May;161(5):488–93

ETIOLOGY

Intermittent course of chronic goitrous autoimmune thyroiditis. Frey H. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):210–4

Painless thyroiditis with hyperthyroidism following external irradiation to the neck. Fachnie JD, et al. **Henry Ford Hosp Med J** 1980;28(2-3):149–51

Etiologic factors in acute suppurative thyroiditis. Taguchi T, et al. **J Infect Dis** 1982 Sep;146(3):447

[A case of clinically diagnosed pulmonary sarcoidosis, associated with diffuse glomerulonephritis and chronic thyroiditis (author's transl)] Saeki F, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1148–52 **(Jpn)**

FAMILIAL & GENETIC

Regulation of experimental autoimmune thyroiditis: mapping of susceptibility to the I-A subregion of the mouse H-2. Beisel KW, et al. **Immunogenetics** 1982;15(4):427–30

IMMUNOLOGY

Immunological and clinical characterization of patients with untreated euthyroid and hypothyroid autoimmune thyroiditis. Antibody spectrum, response to TRH and clinical study. Scherbaum WA, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):373–81

Transitory congenital hypothyroidism and maternal thyroiditis. Ritzén EM, et al. **Acta Paediatr Scand** 1981 Sep;70(5):765–6

Effects and clinical significance of exogenous thyroxine therapy in patients with circulating thyroid hormone autoantibodies. Premachandra BN, et al. **Am J Clin Pathol** 1982 Jul;78(1):63–8

Suppression of autoimmune thyroiditis by phytohemagglutinin. Esquivel P, et al. **Cell Immunol** 1982 Mar 1;67(2):410–3

Autoimmune thyroiditis: a condition related to a decrease in T-suppressor cells. Thielemans C, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):259–63

Spontaneous autoimmune thyroiditis in the rat accelerated by thymectomy and low doses of irradiation: mechanisms implicated in the pathogenesis. Kotani T, et al. **Clin Exp Immunol** 1981 Aug;45(2):329–37

Autoimmune thyroiditis: conversion of low-responder mice to high-responders by cyclophosphamide. Vladutiu AO. **Clin Exp Immunol** 1982 Mar;47(3):683–8

Pathogenesis of spontaneous autoimmune thyroiditis in Obese strain (OS) chickens. Wick G, et al. **Clin Exp Immunol** 1982 Jan;47(1):1–18 (73 ref.)

Macrophage locomotion in experimental allergic thyroiditis of the rat. Fujiwara H, et al. **Clin Immunol Immunopathol** 1982 Mar;22(3):375–83

Autoimmune thyroiditis in the rat induced by thymectomy and low doses of irradiation: nature of effector cells and demonstration of antifollicular epithelial cell autoantibodies. Kotani T, et al. **Clin Immunol Immunopathol** 1982 Jul;24(1):111–21

Syngeneic sensitization of mouse lymphocytes on monolayers of thyroid epithelial cells. III. Induction of thyroiditis by thyroid-sensitized T lymphoblasts. Charreire J, et al. **Eur J Immunol** 1982 May;12(5):421–5

Mutations at H-2K or H-2D alter immune response phenotype of autoimmune thyroiditis. Maron R, et al. **Immunogenetics** 1982;15(6):625–7

Influence of immunomodulators, niridazole and levamisole, on autoimmune murine thyroiditis. Vladutiu AO. **Immunol Lett** 1982 May;4(5):243–7

Sites of autoantibody production in rats with thyroiditis. Weetman AP, et al. **Immunology** 1982 Jun;46(2):465–72

Thyrotoxicosis and thyroiditis. Kapur MM, et al. **J Assoc Physicians India** 1981 Jul;29(7):513–7

Nature of thyrotropin displacement activity in subacute thyroiditis. Wall JR, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):349–53

A specific plaque-forming cell assay for human thyroglobulin antibody-secreting immunocytes. Weiss I, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):282–5

Blood mononuclear cells with suppressor activity in patients with thyroid disorders: increased levels of T gamma cells

in subacute thyroiditis. Wall JR, et al. **J Clin Lab Immunol** 1981 Sep;6(2):115-9

The role of self-antigen in the development of autoimmunity in Obese strain chickens with spontaneous autoallergic thyroiditis. Pontes de Carvalho LC, et al. **J Exp Med** 1982 May 1;155(5):1255-66

Adoptive transfer of experimental autoimmune thyroiditis (EAT) with in vitro activated lymph node cells from thyroglobulin-sensitized guinea pigs: characterization of the cell that transfers EAT. Braley-Mullen H, et al. **J Immunol** 1981 Nov;127(5):1767-71

Spontaneous autoimmune thyroiditis in chickens. II. Evidence for autoresponsive thymocytes. Livezey MD, et al. **J Immunol** 1981 Oct;127(4):1469-72

Spontaneous autoimmune thyroiditis in chickens. I. Effects of bursal reconstitution. Polley CR, et al. **J Immunol** 1981 Oct;127(4):1465-8

Acute suppurative salmonella thyroiditis: clinical course and antibody response. Svenungsson B, et al. **Scand J Infect Dis** 1981;13(4):303-6

HLA antigens in painless thyroiditis with transient hyperthyroidism. Hawe BS, et al. **Tissue Antigens** 1982 Apr;19(4):311-2

Immunohistological findings in Hashimoto's thyroiditis, focal lymphocytic thyroiditis and thyroiditis de Quervain. Comparative study. Knecht H, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):215-31

[Characterization of lymphocytic cells infiltrating into the follicular epithelial lining in chronic thyroiditis in humans (author's transl)] Kotani T, et al. **Arerugi** 1982 Feb; 31(2):100-5 (Eng. Abstr.) **(Jpn)**

[Cellular and humoral immunity indices in Hashimoto's thyroiditis, Riedel's Struma and nodular nontoxic goiter] Epishin AV. **Vrach Delo** 1982 Jun;(6):19-21 **(Rus)**

METABOLISM

Interrelationship between TSH- and prolactin secretion in patients with prolactinoma and autoimmune thyroiditis. Pelkonen R, et al. **Acta Endocrinol (Copenh)** 1982 Jun; 100(2):184-8

Carbohydrate metabolism in subacute thyroiditis: effect of acute elevation of thyroid hormones. Yasuda K, et al. **Tohoku J Exp Med** 1981 Aug;134(4):411-6

[Subacute thyroiditis] Tóth S, et al. **Orv Hetil** 1981 Oct 18; 122(42):2587-91 **(Hun)**

[Effect of anti-thyroid antibodies on thyroid hormone secretion] Turakulov IaKh, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):295-6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

An analysis of surgical thyroid diseases in Southern Thailand: a study of one year period. Patmasiriwat P, et al. **J Med Assoc Thai** 1982 Mar;65(3):120-4

PATHOLOGY

Animal model of human disease. Lymphocytic thyroiditis. Autoimmune thyroiditis in rats induced by thymectomy and irradiation. Penhale WJ, et al. **Am J Pathol** 1982 Feb; 106(2):300-2

[Lympho-plasmacellular thyroiditis and diabetes mellitus] Gyr T, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1839-45 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Lymphocytic thyroiditis with spontaneously resolving hyperthyroidism and subacute thyroiditis. Long-term follow-up. Nikolai TF, et al. **Arch Intern Med** 1981 Oct; 141(11):1455-8

Significance of stepwise excretion pattern in renogram: indicator of the edema in patients with chronic thyroiditis and idiopathic edema. Tamaki N, et al. **Kaku Igaku** 1981 Apr;18(3):323-7

Subacute thyroiditis. Volpé R. **Prog Clin Biol Res** 1981; 74:115-34 (102 ref.)

[Subacute thyroiditis: a general disease?] Delzant G, et al. **Rev Med Interne** 1982 Mar;3(1):23-4 **(Fre)**

PREVENTION & CONTROL

The influence of testosterone on the development of autoimmune thyroiditis in thymectomized and irradiated rats. Ahmed SA, et al. **Clin Exp Immunol** 1982 May; 48(2):367-74

RADIOGRAPHY

Evolution of thyroid 127I stores measured by X-ray fluorescence in subacute thyroiditis. Fragu P, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):162-6

SURGERY

[Surgical treatment principles in autoimmune thyroiditis] Kamardin LN, et al. **Vestn Khir** 1982 Jan;128(1):125-9 **(Rus)**

VETERINARY

Lymphocytic thyroiditis in dogs; induction with a local graft-versus-host reaction. Gosselin SJ, et al. **Am J Vet Res** 1981 Nov;42(11):1856-64

Autoimmune lymphocytic thyroiditis in dogs. Gosselin SJ, et al. **Vet Immunol Immunopathol** 1982 Jan;3(1-2):185-201

THYROIDITIS, LYMPHOMATOUS

Hashimoto's thyroiditis and primary myxoedema viewed as separate entities. Doniach D. **Eur J Clin Invest** 1981 Aug; 11(4):245-7 (16 ref.)

[Hashimoto's thyroiditis (author's transl)] Torizuka K. **Horumon To Rinsho** 1981 Jun;29(6):659-67 **(Jpn)**

BLOOD

An increase of plasma triiodothyronine and thyroxine after administration of dexamethasone to hypothyroid patients with Hashimoto's thyroiditis. Yamada T, et al. **J Clin Endocrinol Metab** 1978 May;46(5):784-90

[Thyroid disease and pregnancy (author's transl)] Amino N, et al. **Horumon To Rinsho** 1981 Jul;29(7):253-61 **(Jpn)**

COMPLICATIONS

Adult form of Leigh's disease in a patient with Addison's disease and Hashimoto's disease [letter] Ho KL, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):102

A case report of myasthenia gravis associated with Hashimoto's thyroiditis. Hashimoto A, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):521-5

Bullous pemphigoid and Hashimoto's thyroiditis. Callen JP, et al. **J Am Acad Dermatol** 1981 Nov;5(5):558-60

Transient thyrotoxicosis in an infant delivered to a long-acting thyroid stimulator (LATS)- and LATS protector-negative, thyroid-stimulating antibody-positive woman with Hashimoto's thyroiditis. Hoffman WH, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):354-6

Isolated adrenocorticotropin deficiency associated with polyglandular failure. Kojima I, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):182-6

Benign thyroid disease and upper airway obstruction. Case presentations, pathophysiology, and management. Hassard AD, et al. **J Otolaryngol** 1982 Apr;11(2):77-82

Proteinuria in Hashimoto thyroiditis [letter] Churchill DN, et al. **N Engl J Med** 1981 Nov 19;305(21):1286

The association of goitrous autoimmune thyroiditis with HLA-DR5. Farid NR, et al. **Tissue Antigens** 1981 Mar; 17(3):265-8

[A case of pernicious anemia complicated with Hashimoto's thyroiditis (author's transl)] Takahashi R. **Rinsho Ketsueki** 1981 Mar;22(3):371-5 (Eng. Abstr.) **(Jpn)**

[Diagnosis of thyroid cancer in toxic goiter and chronic thyroiditis] Myshkin KI, et al. **Sov Med** 1981;(11):92-4 **(Rus)**

DIAGNOSIS

Diagnosis of chronic lymphocytic thyroiditis (nodular presentation) by needle aspiration. Friedman M, et al. **Acta Cytol (Baltimore)** 1981 Sep-Oct;25(5):513-22

Problems in the cytologic diagnosis of the 'cold' thyroid nodule in patients with lymphocytic thyroiditis. Kini SR, et al. **Acta Cytol (Baltimore)** 1981 Sep-Oct;25(5):506-12

Recurrence and heterogeneity in painless thyrotoxic lymphocytic thyroiditis. Report of five cases. Taylor HC, et al. **JAMA** 1982 Sep 3;248(9):1085-8

Hashimoto disease with hyperthyroid ocular signs. Shirakawa H, et al. **Metab Pediatr Ophthalmol** 1981;5(3-4):213-8

'Symptomless' autoimmune thyroiditis in depression. Gold MS, et al. **Psychiatry Res** 1982 Jun;6(3):261-9

The role of fine needle aspiration cytology compared with thyroid antibody determination in the diagnosis of Hashimoto's thyroiditis. Chang TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1152-9

[Oxyphil metaplasia (Hürthle cells) and a fibrous variant of Hashimoto's thyroiditis] Pingitore R, et al. **Pathologica** 1980 Nov-Dec;72(1022):841-5 (Eng. Abstr.) **(Ita)**

[Chronic lymphocyte thyroiditis in childhood (author's transl)] Pavía C, et al. **Med Clin (Barc)** 1982 Feb 25; 78(4):143-7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Thyroid transplantation developing autoimmune thyroiditis following thymectomy and irradiation. Ahmed SA, et al. **Clin Exp Immunol** 1981 Sep;45(3):480-6

Lymphocytic thyroiditis and diabetes in the BB/W rat. A new model of autoimmune endocrinopathy. Sternthal E, et al. **Diabetes** 1981 Dec;30(12):1058-61

Lung bullae, bronchiectasis, and Hashimoto's disease associated with ulcerative colitis treated by colectomy. Shneerson JM. **Thorax** 1981 Apr;36(4):313-4

[Etiology, pathogenesis, and diagnosis of diffuse toxic goiter and Hashimoto thyroiditis] Spesivtseva VG. **Ter Arkh** 1981; 53(10):147-51 **(Rus)**

IMMUNOLOGY

Electron microscopic and immunohistochemical studies on Hashimoto's thyroiditis. Yagi Y. **Acta Pathol Jpn** 1981 Jul; 31(4):611-22

Allosuppressor T lymphocytes abolish migration inhibition factor production in autoimmune thyroid disease: evidence from radiosensitivity experiments. Topliss DJ, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):335-41

Plaque-forming cells in autoimmune thyroid disease. Weiss I, et al. **Clin Immunol Immunopathol** 1982 Apr;23(1):50-7

The obese strain (OS) of chickens with spontaneous autoimmune thyroiditis: review of recent data. Wick G, et al. **Curr Top Microbiol Immunol** 1981;91:109-28 (101 ref.)

Autoimmune thyroid disease. Freitas JE. **Int J Dermatol** 1981 Apr;20(3):207-12

Peripheral K lymphocytes in autoimmune thyroid disease: decrease in Graves' disease and increase in Hashimoto's disease. Amino N, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):587-91

Detection and properties of TSH-binding inhibitor immunoglobulins in patients with Graves' disease and Hashimoto's thyroiditis. Endo K, et al. **J Clin Endocrinol Metab** 1978 May;46(5):734-9

Normal immunoregulation of in vitro antibody secretion in autoimmune thyroid disease. MacLean DB, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):801-5

Decreased suppressor T-lymphocytes in autoimmune thyroid diseases detected by monoclonal antibodies. Sridama V, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):316-9

Natural cytotoxicity of blood mononuclear cells from normal subjects and patients with Hashimoto's thyroiditis against normal thyroid cells. Seybold D, et al. **J Clin Lab Immunol** 1981 Nov;6(3):241-4

Use of plaque assays to study thyroglobulin autoantibody synthesis by human peripheral blood lymphocytes. McLachlan SM, et al. **Scand J Immunol** 1981;14(3):233-42

Immunohistological findings in Hashimoto's thyroiditis, focal lymphocytic thyroiditis and thyroiditis de Quervain. Comparative study. Knecht H, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):215-31

[Thyroid hormone auto-antibodies in a patient with Hashimoto's thyroiditis] Højslet PE, et al. **Ugeskr Laeger** 1981 May 11;143(20):1270-1 (Eng. Abstr.) **(Dan)**

[Studies on anti-thyroglobulin antibody formation in chronic thyroiditis. 1. In vitro detection of anti-thyroglobulin antibody forming cells from lymphocytes of patients and analysis of their regulation (author's transl)] Noma T, et al. **Arerugi** 1981 Dec;30(12):1132-8 (Eng. Abstr.) **(Jpn)**

[A study on anti-T3 and anti-T4 autoantibodies found in two sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis (author's transl)] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):9-23 (Eng. Abstr.) **(Jpn)**

[The relationship between the number of anti-thyroglobulin antibody forming cells from the cultured peripheral lymphocytes and the serum antibody titers in patients with chronic thyroiditis (author's transl)] Noma T, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):1-8 (Eng. Abstr.) **(Jpn)**

[Cellular and humoral immunity indices in Hashimoto's thyroiditis, Riedel's Struma and nodular nontoxic goiter] Epishin AV. **Vrach Delo** 1982 Jun;(6):19-21 **(Rus)**

METABOLISM

Somatostatin: a paracrine contribution to hypothyroidism in Hashimoto's thyroiditis. Dhillon AP, et al. **J Clin Pathol** 1982 Jul;35(7):764-70

Abnormalities of iodine and protein in the thyroid of patients with Hashimoto's thyroiditis. Yamamoto M, et al. **Tohoku J Exp Med** 1981 Nov;135(3):323-30

OCCURRENCE

[Focal lymphocytic thyroiditis and iodized salt prophylaxis. Comparative studies on goiter specimens at the Institute of Pathology of Zurich University] Vollenweider R, et al. **Schweiz Med Wochenschr** 1982 Apr 3;112(14):482-8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Immunohistochemical and electron microscopic studies on Hashimoto's thyroiditis. Matsuta M. **Acta Pathol Jpn** 1982 Jan;32(1):41-56

Ultrastructural pathology in Hashimoto's thyroiditis. Shamsuddin AK, et al. **Hum Pathol** 1981 Jun;12(6):561-73

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 13-1982. A 54-year-old man with an enlarged thyroid gland and hypothyroidism. **N Engl J Med** 1982 Apr 1;306(13):793-8

[Case of Hashimoto's toxicosis with occult thyroid carcinoma] Papazov G, et al. **Vutr Boles** 1981;20(5):105-11 (Eng. Abstr.) **(Bul)**

[Incidence of chronic lymphocytic thyroiditis as a circumstantial finding in autopsies] Harach HR, et al. **Medicina (B Aires)** 1981;41(3):392-5 **(Spa)**

PHYSIOPATHOLOGY

Variations in clinical, hormonal and serological expressions of chronic lymphocytic thyroiditis (CLT) in children and adolescents. Gruñeiro de Papendieck L, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):19-28

TSH and prolactin secretions in Hashimoto's thyroiditis following withdrawal of thyroid hormone therapy. Ohsawa N, et al. **Endocrinol Jpn** 1981 Jun;28(3):329-34

Lipolytic and circulatory responses to noradrenaline infusion in hypothyroid subjects before and during thyroxine substitution. Rosenqvist U, et al. **Life Sci** 1982 Feb 15-22; 30(7-8):641-50

PSYCHOLOGY

Psychiatric manifestations of Hashimoto's thyroiditis. Hall RC, et al. **Psychosomatics** 1982 Apr;23(4):337-42

SURGERY

Benign thyroid disease and upper airway obstruction: case presentations, pathophysiology, and management. Hassard AD, et al. **J Otolaryngol** 1982 Apr;11(2):77–82

VETERINARY

Induced lymphocytic thyroiditis in dogs: effect of intrathyroidal injection of thyroid autoantibodies. Gosselin SJ, et al. **Am J Vet Res** 1981 Sep;42(9):1565–72

THYROLIBERIN see **THYROTROPIN RELEASING HORMONE**

THYRONINES

ANALYSIS

Identification of iodotyrosines and some iodothyronines as dimethylaminoazobenzenethiohydantoin derivatives. Application to the sequencing of iodoamino acid containing peptides. Marriq C, et al. **Anal Biochem** 1981 Sep 1; 116(1):89–92

Radioimmunological measurements of 3,5-diiodothyronine in hydrolysate and in effluent from perfused canine thyroids. Laurberg P. **Horm Metab Res** 1982 Jan;14(1):46–9

BLOOD

The effect of starvation and refeeding with oral versus intravenous glucose on serum 3,5–,3,3'-and 3'-5'-diiodothyronine and 3'-monoiodothyronine. Jaedig S, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):388–92

Measurement of 3'-monoiodothyronine in human serum. Corcoran JM, et al. **Clin Endocrinol (Oxf)** 1981 Jul; 15(1):11–8

Metabolic clearance and production rates of 3.3'-diiodothyronine, 3',5'-diiodothyronine and 3'-monoiodothyronine in hyper- and hypothyroidism. Faber J, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):199–206

Simultaneous measurement of 3,5-diiodothyronine and 3,5,3'-triiodothyronine turnover kinetics in euthyroid hyperthyroid, and hypothyroid subjects. Faber J, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):8–12

The extrathyroidal effect of D,L-propranolol on 3,3',5'-triiodothyronine, 3',5'-diiodothyronine, 3,3'-diiodothyronine, and 3'-monoiodothyronine kinetics. Lumholtz IB, et al. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1097–100

Radioimmunoassay of thyroxine (T4), 3,5,3'-triiodothyronine (T3), 3,3',5'-triiodothyronine (reverse T3, rT3), and 3,3'-diiodothyronine (T2). Wiersinga WM, et al. **Methods Enzymol** 1982;84 Pt D:272–303 (89 ref.)

[The influence of fatty acids on thyroxine and 3, 3'-diiodothyronine levels in patients with chronic renal failure on hemodialysis (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Feb 20; 58(2):122–30 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Autoantibodies to thyroglobulin cross reacting with iodothyronines. Pearce CJ, et al. **Clin Endocrinol (Oxf)** 1981 Jul;15(1):1–10

METABOLISM

Evidence for a single enzyme in rat liver catalysing the deiodination of the tyrosyl and the phenolic ring of iodothyronines. Fekkes D, et al. **Biochem J** 1982 Mar 1; 201(3):673–6

pH-dependency of iodothyronine metabolism in isolated perfused rat liver. Köhrle J, et al. **Biochem J** 1982 Mar 15;202(3):667–75

One enzyme for the 5'-deiodination of 3,3',5'-triiodothyronine and 3',5'-diiodothyronine in rat liver. Fekkes D, et al. **Biochem Pharmacol** 1982 May 1; 31(9):1705–9

Decreased thyroidal response to thyrotropin in diabetic mice. Bagchi N, et al. **Endocrinology** 1981 Nov;109(5):1428–32

Characteristics of inner ring (3 or 5) monodeiodination of 3,5-diiodothyronine in rat liver: evidence suggesting marked similarities of inner and outer ring deiodinases for iodothyronines. Chopra IJ, et al. **Endocrinology** 1982 Jan; 110(1):89–97

3',5'-diiodothyronine release from perfused dog thyroids. Laurberg P. **Horm Metab Res** 1981 Dec;13(12):703–5

Iodine, thyroxine (T4), triiodothyronine (T3), 3,3',5'-triiodothyronine (rT3), 3,3'-diiodothyronine (T2) in normal human thyroids. Effect of excessive iodine exposure. Reinwein D, et al. **Horm Metab Res** 1981 Aug; 13(8):456–9

PHARMACODYNAMICS

[Metabolic effects of 3,5-dimethyl-3'-isopropyl-L-thyronine (DIMIT) in constant infusion by osmotic minipump to hypothyroid rat (author's transl)] Luciani L, et al. **C R Seances Acad Sci [III]** 1982 Feb 22;294(8):361–4 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Inhibitory action of iodothyronines on the thyroid. Possible role in the autoregulatory mechanism. Pisarev MA, et al. **Prog Clin Biol Res** 1981;74:103–14 (36 ref.)

THERAPEUTIC USE

Treatment of ovine cretinism in utero with 3,5-dimethyl-3'-isopropyl-L-thyronine. Bachrach LK, et al. **Endocrinology** 1982 Jul;111(1):132–5

3,5-Dimethyl-3'-isopropyl-l-thyronine therapy in diabetic pregnancy: stimulation of rabbit fetal lung phospholipids. Neufeld N, et al. **J Clin Invest** 1981 Dec;68(6):1605–9

THYROTOXICOSIS see **HYPERTHYROIDISM**

THYROTROPIN

Dose dependence of the thyrotropin (TSH) receptor damaging effect of gonadotropin in the newborn rats. Nagy SU, et al. **Acta Physiol Acad Sci Hung** 1980;56(4):417–20

Disulfide bonds of glycoprotein hormones. Their selective reduction in the beta subunits of bovine lutropin and thyrotropin. Reeve JR Jr, et al. **Int J Pept Protein Res** 1981 Jul;18(1):79–87

ADMINISTRATION & DOSAGE

Treatment of recurrent follicular thyroid carcinoma [letter] Zenger GH. **JAMA** 1982 Jun 11;247(22):3081–2

ANALYSIS

High concentrations of thyroid-stimulating hormone in untreated glucocorticoid deficiency: indication of primary hypothyroidism? Barnett AH, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):172–3

Ultrastructural localization of thyrotropin (TSH) in the porcine anterior pituitary: a comparison between pre-embedding and post-embedding methods. Dacheux F. **Cell Tissue Res** 1982;222(2):299–311

Thyroid stimulating antibodies (TSAb) in patients with Graves' disease undergoing antithyroid drug treatment: indicators of activity of disease. Karlsson FA, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):579–85

Thyrotropin-like immunoreactivity in the pituitary and three brain regions of the female rat: diurnal variations and the effect of thyroidectomy. Ottenweller JE, et al. **Endocrinology** 1982 Aug;111(2):515–21

Measurement of thyroid-stimulating hormone in human amniotic fluid. Kourides IA, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):635–7

Comparison of human and porcine thyroid membranes for radioreceptor assay of bovine thyrotrophin and thyrotrophin-binding inhibiting immunoglobulins. Humphries H, et al. **J Endocrinol** 1982 Jun;93(3):371–80

Comparison of gonadotroph, thyrotroph and mammotroph development in situ, in transplants and in organ culture. Gash D, et al. **Neuroendocrinology** 1982 Mar;34(3):222–8

[Recent findings on TSH, LATS and TSI] Yamashita K, et al. **Nippon Rinsho** 1981 Sep;39(9):2949–53 (23 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Inhibitors of prostaglandin synthesis prevent TSH-induced morphological changes in the thyroid gland. Słuszkiewicz E. **Endokrynol Pol** 1982;32(5):365–70

BIOSYNTHESIS

Thyroid-stimulating hormone subunit processing and combination in microsomal subfractions of mouse pituitary tumor. Magner JA, et al. **J Biol Chem** 1982 Jun 25; 257(12):6709–15

BLOOD

The importance of elevated TSH in serum after subtotal thyroidectomy for hyperthyroidism. A five-year follow-up study. Lundström B, et al. **Acta Chir Scand** 1981; 147(8):645–7

Iodothyronines and thyrotrophin in serum after jejunoileostomy with 3:1 or 1:3 jejunoileal ratio. Sørensen TI, et al. **Acta Chir Scand** 1981;147(3):205–7

Prl, TSH, GH and LH responses to metoclopramide and breast-feeding in normal and hyperprolactinaemic women. Andersen AN, et al. **Acta Endocrinol (Copenh)** 1982 Jun; 100(2):177–83

Serum levels of prolactin, TSH and gonadotrophins following LRH/TRH—double stimulation tests during the menstrual cycle. Baumgarten S, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):481–6

On the role of dopamine receptors in the central regulation of human TSH. Delitala G, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):521–7

Thyrotrophin and prolactin responses to thyrotrophin-releasing hormone in patients with Parkinson's disease. Martinez-Campos A, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):344–51

Use of a single TSH-measurement after oral thyrotrophin releasing hormone: an economical and highly sensitive thyroid screening test. Platzer R, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):369–72

Effect of goitrogen administration on the circadian rhythm of serum thyroid stimulating hormone in the rat. Stringer B, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):396–401

The effect of long-term cimetidine treatment on PRL and TSH response capacity to TRH in male patients with duodenal ulcer. Knigge U, et al. **Acta Med Scand** 1982; 211(5):331–4

Thyroid disease and high concentration of serum thyrotrophin in a population sample of women. A 4-year follow-up. Nyström E, et al. **Acta Med Scand** 1981; 210(1–2):39–46

Placental transfer of maternal anti-rabbit IgG causing falsely elevated TSH levels in neonates. Larsson A, et al. **Acta Paediatr Scand** 1981 Sep;70(5):699–703

Evaluation of a human TSH radioimmunoassay as a diagnostic test for canine primary hypothyroidism. Larsson M. **Acta Vet Scand** 1981;22(3–4):589–91

Neuroendocrine and neurochemical measurements in depression. Davis KL, et al. **Am J Psychiatry** 1981 Dec; 138(12):1555–62

TSH and MHPG levels of depressed patients [letter] Gwirtsman HE. **Am J Psychiatry** 1982 Jul;139(7):967–8

Serum thyrotropin response to thyrotropin-releasing hormone in psychiatric patients: a review. Loosen PT, et al. **Am J Psychiatry** 1982 Apr;139(4):405–16

Persistent elevation of thyroid-stimulating hormone in women with bipolar affective disorder. O'Shanick GJ, et al. **Am J Psychiatry** 1982 Apr;139(4):513–4

Neuroendocrine interrelationships in major depressive disorder. Targum SD, et al. **Am J Psychiatry** 1982 Mar; 139(3):282–6

Role of endocrine function tests in the evaluation of transsphenoidal hypophysectomy for advanced breast cancer. Lee DA, et al. **Am J Surg** 1982 Apr;143(4):481–5

Serum levels of thyreotropin in progressive scleroderma. Schwarz W, et al. **Arch Dermatol Res** 1981;271(4):451–3

Hypothyroidism secondary to biologically inactive thyroid-stimulating hormone secretion by a pituitary chromophobe adenoma: recovery after removal of the tumor. Dickstein G, et al. **Arch Intern Med** 1982 Aug; 142(8):1544–5

Thyroid-stimulating hormone level elevation [letter] Khardori R, et al. **Arch Intern Med** 1981 Dec;141(13):1847

Thyrotropin-releasing hormone test and male unipolar depression. Kirstein L, et al. **Biol Psychiatry** 1981 Sep; 16(9):819–24

The extracerebral dopamine antagonist domperidone block the suppressive effect of bromocriptine on prolactin and TSH secretion in man. Svet-Moldavsky I, et al. **Biomedicine** 1981 Oct;35(5):142–4

Thyroid function and physical activity. A preliminary communication. Adler J, et al. **Br J Sports Med** 1981 Dec; 15(4):261–4

Pituitary responses to a neuroactive tripeptide (TRH) in Friedreich's ataxia families. Tolis G, et al. **Can J Neurol Sci** 1982 May;9(2):189–90

Parenteral nutrition may interfere in thyrotropin screenings for congenital hypothyroidism [letter] Bourdoux P, et al. **Clin Chem** 1981 Nov;27(11):1943–4

Screening of newborns for hypothyroidism [letter] Hamfelt A. **Clin Chem** 1982 Apr;28(4 Pt 1):722

Interference in assay of human thyrotropin by endogenous antibodies to bovine thyrotropin [letter] Handelsman DJ, et al. **Clin Chem** 1982 Jan;28(1):251–2

Incidence and mechanism of spurious increase in serum thyrotropin. Howanitz PJ, et al. **Clin Chem** 1982 Mar; 28(3):427–31

Two-site immunoenzymometric assay for thyrotropin in dried blood samples on filter paper. Miyai K, et al. **Clin Chem** 1981 Aug;27(8):1421–3

The role of opiate peptides in the control of prolactin in the puerperium, and TSH in primary hypothyroidism. Grossman A, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):317–20

Chronic exposure to short photoperiod inhibits free thyroxine index and plasma levels of TSH, T4, triiodothyronine (T3) and cholesterol in female Syrian hamsters. Vaughan MK, et al. **Comp Biochem Physiol [A]** 1982;71(4):615–8

The significance of biological factors in the diagnosis of depressions: II hormonal variables. van Praag HM. **Compr Psychiatry** 1982 May–Jun;23(3):216–26

Neuroendocrine abnormalities in affective disorders. Extein I, et al. **Encephale** 1982;8(2):203–11

Exchange transfusion in newborns: rapid fall of plasma thyroid hormones and attenuated TSH response up to 48 hours. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1982 Mar; 16(1):33–42

Total blood thyroxine and TSH levels in the newborns of an endemic goiter area in Romania. Constantinescu A, et al. **Endocrinologie** 1981 Jul–Sep;19(3):189–94 (24 ref.)

TSH and thyroxine in cord blood of subjects from an endemic area. Constantinescu A, et al. **Endocrinologie** 1982 Jan–Mar; 20(1):17–23

Comparative maturation of the regulation of prolactin and thyrotropin by serotonin and thyrotropin-releasing hormone in male and female rats. Becú D, et al. **Endocrinology** 1982 Jun;110(6):1879–84

Pituitary responses to thyrotropin-releasing hormone after treatment with the breast carcinogen nitrosomethylurea: inhibition of prolactin but not thyrotropin release. Kieffer JD, et al. **Endocrinology** 1982 Jun;110(6):1892–6

Diurnal variations of plasma thyrotropin, thyroxine, and triiodothyronine in female rats are phase shifted after inversion of the photoperiod. Ottenweller JE, et al. **Endocrinology** 1982 Aug;111(2):509–14

Effects of phentolamine on serum concentrations of TSH and thyroid hormones in hemithyreoidectomized rats.

Lewiński A, et al. **Endokrinologie** 1981 Dec;78(2–3):219–26

Oral thyrotropin-releasing hormone (TRH) test in acromegaly. Marek J, et al. **Endokrinologie** 1981 Oct; 78(1):57–66

The suppressive effect of triiodothyronine on the release of thyrotropin in old age. Szabolcs I, et al. **Endokrinologie** 1981 Dec;78(2–3):305–7

Influence of 25-hydroxyvitamin D3 on thyrotropin and triiodothyronine plasma levels in man. Zofková I, et al. **Endokrinologie** 1981 Oct;78(1):118–20

Hypercalcemia influences TRH-stimulated TSH and T3 response. Zofková I, et al. **Endokrinologie** 1981 Dec; 78(2–3):186–90

TSH, T3, rT3 and fT4 in maximal and submaximal physical exercise. Schmid P, et al. **Eur J Applied Physiol** 1982; 48(1):31–9

Falsely elevated results of radioimmunoassays using double antibody method: arguments for a third anti-rabbit IgG antibody present in certain human sera. Baulieu JL, et al. **Eur J Nucl Med** 1982;7(3):121–6

Serum profiles of LH, FSH, testosterone and 5 alpha-DHT from 21 to 1000 days of age in ad libitum fed and dietary restricted rats. Merry BJ, et al. **Exp Gerontol** 1981; 16(6):431–44

Effect of acute oral and intravenous administration of ranitidine on prolactin, thyrotropin and gonadotropin serum levels. Corinaldesi R, et al. **Hepatogastroenterology** 1982 Jun;29(3):120–3

Dissociation of thyrotropin and prolactin responsiveness to thyrotropin releasing hormone stimulation in L-dopa treated parkinsonian patients. Rabey JM, et al. **Horm Res** 1981;15(2):78–87

TSH, LH, cortisol response to TRH and LH-RH and insulin hypoglycaemia in subjects practising transcendental meditation. Ahuja MM, et al. **Indian J Med Res** 1981 Nov; 74:715–20

Hypothalamic and pituitary dysfunction in obese males. Amatruda JM, et al. **Int J Obes** 1982;6(2):183–9

The effect of obesity and drastic caloric restriction on serum prolactin and thyroid stimulating hormone. Wilson JH, et al. **Int J Obes** 1981;5(3):275–8

Thyroid proliferation, body weight, thyrotropin and thyroid hormones in chronic antithyroid (carbimazole) treatment in rats. Redmond O, et al. **J Anat** 1981 Aug;133(Pt 1):37–47

The relationship between serum triiodothyronine and thyrotropin during systemic illness. Bacci V, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1229–35

Seasonal variation of serum thyrotropin concentration and thyrotropin response to thyrotropin-releasing hormone in patients with primary hypothyroidism on constant replacement dosage of thyroxine. Konno N, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1118–24

Hyperthyroxinemia with bradycardia and normal thyrotropin secretion after chronic amiodarone administration. Melmed S, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):997–1001

Radioimmunoassay of thyrotropin concentrated from serum. Nisula BC, et al. **J Clin Endocrinol Metab** 1978 May; 46(5):729–33

Influence of metoclopramide on calcium inhibition of thyrotropin response to thyrotropin-releasing hormone. Röjdmark S, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):998–1001

Human cord blood concentrations of thyrotropin, thyroglobulin, and iodothyronines after maternal administration of thyrotropin-releasing hormone. Roti E, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):813–7

Effect of domperidone, an extracerebral inhibitor of dopamine receptors, on thyrotropin, prolactin, renin, aldosterone, and 18-hydroxycorticosterone secretion in man. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Apr; 54(4):869–71

Evidence for dopaminergic control of circadian variations in thyrotropin secretion. Sowers JR, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):673–5

Effect of Iopanoic acid on the pituitary-thyroid axis: time sequence of changes in serum iodothyronines, thyrotropin, and prolactin concentrations and responses to thyroid hormones. Suzuki H, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):779–83

Thyroid hormone and thyrotropin levels in patients placed on colestipol hydrochloride. Witztum JL, et al. **J Clin Endocrinol Metab** 1978 May;46(5):838–40

Graves' orbitopathy and the thyrotropin-releasing hormone (TRH) test. Rush JA, et al. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):219–24

The thyrotropin releasing hormone stimulation test: a review. Sternbach H, et al. **J Clin Psychiatry** 1982 Jan;43(1):4–6

Goitrogen-induced thyroid growth in the rat: a quantitative morphometric study. Wynford-Thomas D, et al. **J Endocrinol** 1982 Jul;94(1):131–40

Iodine contamination as a cause of hyperthyroidism or lack of TSH response to TRH stimulation (results based on a screening investigation). Habermann J, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):153–6

Solubilized TSH-receptor: its usefulness for the radioligand receptor assay for TSH and TSH-displacing antibody. Kotulla P, et al. **J Endocrinol Invest** 1981 Apr-Jun; 4(2):155–60

Relative ineffectiveness of exogenous triiodothyronine as a thyroid suppressive agent. Koutras DA, et al. **J Endocrinol Invest** 1981 Jul-Sep;4(3):343–7

Enlargement of the sella turcica in some patients with long standing untreated endemic cretinism, Serum TSH, alpha, TSH-beta, and prolactin responses to TRH. Medeiros-Neto GA, et al. **J Endocrinol Invest** 1981 Jul-Sep;4(3):303–7

Suppression of the night increase in serum TSH during development of ketosis in diabetic patients. Schmitz O, et al. **J Endocrinol Invest** 1981 Oct-Dec;4(4):403–7

Abnormal thyroid stimulating hormone following pituitary surgery. Worth GK, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):233–6

Patterns of TSH response to TRH in children with hypopituitarism. Gruñeiro de Papendieck L, et al. **J Pediatr** 1982 Mar;100(3):387–92

PRL, TSH, and thyroid hormones in benign breast diseases. Peters F, et al. **Klin Wochenschr** 1981 Apr 15;59(8):403–7

Screening for thyroid disease [letter] Nyström E, et al. **Lancet** 1981 Oct 24;2(8252):927–8

Lipolytic and circulatory responses to noradrenaline infusion in hypothyroid subjects before and during thyroxine substitution. Rosenqvist U, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):641–50

The effect of TRH and its analogues, (Pro-NH-NH2)3TRH and (2-Picolyl)1-TRH on TSH level in rat serum. Ryżewska M, et al. **Mater Med Pol** 1980 Jan-Jun; 12(1–2):136–9

Effect of di-N-propylacetic acid (valproic acid) on the TSH response to TRH--a presumptive role for gamma aminobutyric acid. Elias AN, et al. **Metabolism** 1981 Oct; 30(10):1021–3

Differing thyrotropin responses to increased serum triiodothyronine concentrations produced by overfeeding and by triiodothyronine administration. Utiger RD. **Metabolism** 1982 Feb;31(2):180–3

Thyrotropin-releasing hormone [letter] **N Engl J Med** 1982 Jun 17;306(24):1488–90

Acromegaly and thyrotoxicosis induced by a GH- and TSH-producing pituitary tumour which also contained prolactin. Meinders AE, et al. **Neth J Med** 1981; 24(4):136–44

Naloxone and anterior pituitary hormones: effect on TRH stimulation test. Zanoboni A, et al. **Neuroendocrinology** 1981 Sep;33(3):140–3

Antihormonal effects of plant extracts. TSH- and prolactin-suppressing properties of Lithospermum officinale and other plants. Sourgens H, et al. **Planta Med** 1982 Jun;45(2):78–86

Circadian aspects of serum prolactin and TSH lowering by bromocriptine in patients with prostatic hypertrophy. Tarquini B, et al. **Prostate** 1981;2(3):269–79

Thyroid-stimulating hormone response to thyrotropin-releasing hormone in unipolar depression before and after clinical improvement. Extein I, et al. **Psychiatry Res** 1982 Apr;6(2):161–9

Circadian variation of serum thyrotropin in endogenous depression. Kijne B, et al. **Psychiatry Res** 1982 Jun; 6(3):277–82

Compensatory pituitary-thyroid mechanisms in major depressive disorder. Targum SD, et al. **Psychiatry Res** 1982 Feb;6(1):85–96

Parallel changes of the responses of thyrotropin, growth hormone and prolactin to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C, et al. **Psychoneuroendocrinology** 1981;6(3):253–9

The thyrotropin response to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C. **Psychoneuroendocrinology** 1981;6(3):189–212

Phobic anxiety does not affect plasma levels of thyroid stimulating hormone in man. Nesse RM, et al. **Psychoneuroendocrinology** 1982;7(1):69–74

Studies on the required analytical quality of TSH measurements in screening for congenital hypothyroidism. Petersen PH, et al. **Scand J Clin Lab Invest [Suppl]** 1980; 155:85–93

Quality requirements of basal S-TSH assays in prediction an S-TSH response to TRH. Wide L, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:101–10

What is the significance of raised plasma TSH levels after thyroid surgery? Toft AD, et al. **Scott Med J** 1982 Jul; 27(3):216–9

Plasma LH, FSH and TSH responses to the synthetic enkephalin analog (FK 33-824) in normal subjects and patients with pituitary diseases. Demura R, et al. **Tohoku J Exp Med** 1982 Jul;137(3):283–7

Serum thyroxine, triiodothyronine, reverse triiodothyronine, thyroid stimulating hormone, thyroxine binding globulin and thyroxine binding pre-albumin concentrations in healthy African adults. Osotimehin B, et al. **Trop Geogr Med** 1981 Sep;33(3):281–6

[Growth hormone secretion in relation to changes in thyrotropic hormone after thyroliberin in patients with acromegaly and dopaminergic stimulation (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):489–93 (Eng. Abstr.) **(Cze)**

[Simultaneous evaluation of the effects that change values of the thyreoliberin test in psychiatric patients] Höschl C, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):481–8 (Eng. Abstr.) **(Cze)**

[Screening for congenital hypothyroidism in Denmark. I. Determination of TSH in all neonates for a 2-year period] Hummer L, et al. **Ugeskr Laeger** 1982 Apr 5;144(14):1001–4 (Eng. Abstr.) **(Dan)**

[Familial partial resistance to thyroid hormones. A report on one case (author's transl)] Krzentowski G, et al. **Ann Endocrinol (Paris)** 1981 Dec;42(6):541–2 (Eng. Abstr.) **(Fre)**

[Inappropriate elevation of plasma thyroid stimulating hormone] Schaison G. **Ann Med Interne (Paris)** 1981; 132(7):456–60 **(Fre)**

[Neonatal screening of hypothyroidism in France. One million quantitative analyses and psycho-motor development of 20 detected cases] Rochiccioli P, et al. **J Genet Hum** 1981 Mar;29(1):13–22 **(Fre)**

[Simultaneous thyroxin determination in thyrotropin (TSH) screening for congenital hypothyroidism (author's transl)] Sander J, et al. **Dtsch Med Wochenschr** 1982 Jan 29; 107(4):138–42 (Eng. Abstr.) **(Ger)**

[T3, T4, TSH and circulating antithyroglobulin antibodies in myasthenia gravis] Kiessling WR, et al. **Endokrinologie** 1981 Oct;78(1):67–72 (Eng. Abstr.) **(Ger)**

[Comparison of radioimmunological methods for the determination of basal serum TSH levels] Seidel C, et al. **Endokrinologie** 1981 Dec;78(2–3):205–18 (Eng. Abstr.) **(Ger)**

[Study of the concentration of triiodothyronine, thyroxine and thyreotropin in blood serum of euthyroid children (author's transl)] Liappis N, et al. **Klin Padiatr** 1981 Sep; 193(5):378–81 (Eng. Abstr.) **(Ger)**

[TSH-secretion after surgery of decompensated autonomous thyroid adenomas] Schumann J, et al. **Med Klin** 1981 Dec 18;76(26):738–42 (Eng. Abstr.) **(Ger)**

[Hypothalamo-hypophyseal control system in hemodialysis patients (letter)] Schwartz KD. **Nuklearmedizin** 1982 Apr; 21(2):79–82 **(Ger)**

[Peptide hormones LH, FSH, TSH, prolactin, beta-HCG and PTH in patients with urogenital tumors] Dunzendorfer U, et al. **Onkologie** 1981 Aug;4(4):188–92 (Eng. Abstr.) **(Ger)**

[Peripheral thyroid function and TRH-TSH test in patients with acromegaly] Heberling HJ, et al. **Z Gesamte Inn Med** 1981 Apr 15;36(8):306–8 (Eng. Abstr.) **(Ger)**

[Behavior of triiodothyronine, tetraiodothyronine and thyrotropin during the TRH test] Strollo F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2417–23 (Eng. Abstr.) **(Ita)**

[Relation between circadian variations of serum cortisol and pituitary hormones in normal women] Melis GB, et al. **Minerva Ginecol** 1981 Jun;33(6):539–44 (Eng. Abstr.) **(Ita)**

[Concentrations of thyroxine, triiodothyronine, reverse T3, thyrotropin and thyroglobulin in umbilical-cord and maternal blood] Roti E, et al. **Minerva Pediatr** 1981 Sep 15;33(17):843–6 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical evaluation of radioimmunoassay for serum TSH by CK-RTS RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):223–6 **(Jpn)**

[The evaluation of mass-screening for congenital hypothyroidism by TSH radioimmunoassay using protein A (author's transl)] Fukushi M, et al. **Horumon To Rinsho** 1982 May;30(5):467–70 **(Jpn)**

[Radioimmunoassay of human blood TSH with cretin TSH kit 'Daiichi' (author's transl)] Hama H, et al. **Horumon To Rinsho** 1981 Aug;29(8):1007–11 **(Jpn)**

[Fundamental and clinical evaluation of cretin TSH radioimmunoassay kit (author's transl)] Ito K, et al. **Horumon To Rinsho** 1981 Apr;29(4):501–5 **(Jpn)**

[Measurement of serum TSH by immunoradiometric assay (author's transl)] Kasagi K, et al. **Horumon To Rinsho** 1981 Aug;29(8):1001–6 **(Jpn)**

[Transient infantile hyperthyrotropinemia (author's transl)] Miyai K, et al. **Horumon To Rinsho** 1981 Mar;29(3):293–7 **(Jpn)**

[The evaluation of mass-screening for congenital hypothyroidism by sandwich assay TSH radioimmunoassay (author's transl)] Mizushima Y, et al. **Horumon To Rinsho** 1982 May;30(5):461–5 **(Jpn)**

[Basic evaluation of 'Corning' RIA kit with sandwich method for TSH determination (author's transl)] Morita O, et al. **Horumon To Rinsho** 1981 Aug;29(8):985–9 **(Jpn)**

[Cretinism mass-screening study by solid phase TSH-RIA method (author's transl)] Okano Y, et al. **Horumon To Rinsho** 1982 Jan;30(1):81–5 **(Jpn)**

[Fundamental studies of the cretin TSH kit 'Daiichi' (author's transl)] Sato K, et al. **Horumon To Rinsho** 1981 Apr; 29(4):465–9 **(Jpn)**

[Transient infantile hyperthyrotropinemia and its differential diagnosis (author's transl)] Takehiro A, et al. **Horumon To Rinsho** 1981 Mar;29(3):299–304 **(Jpn)**

[Radioimmunoassay for serum TSH by RIA-gnost TSH test] Kaise K, et al. **Kaku Igaku** 1981 May;18(4):555–9 **(Jpn)**

[Radioimmunoassay of TSH with Immo Phase TSH RIA kit (author's transl)] Kaise K, et al. **Kaku Igaku** 1981 Nov; 18(9):1337–41 **(Jpn)**

[Fundamental and clinical evaluation of serum TSH measurement by Thyro-SHure kit (author's transl)] Konishi J, et al. **Kaku Igaku** 1981 Aug;18(7):995–1001 **(Jpn)**

[Fundamental studies of thyro-SHure kit (TSH) (author's transl)] Oikawa K, et al. **Kaku Igaku** 1981 Jul;18(6):877–84 **(Jpn)**

[Fundamental and clinical studies of TSH radioimmunoassay by CK-RTS kit (author's transl)] Watanabe M, et al. **Kaku Igaku** 1981 Aug;18(7):953–9 **(Jpn)**

[Enzyme immunoassay of TSH in dried blood, its application

to mass-screening of primary hypothyroidism (author's transl)] Ishii S. **Nippon Naibunpi Gakkai Zasshi** 1981 Jul 20;57(7):1027–43 (Eng. Abstr.) **(Jpn)**

[Effect of sulpiride on plasma TSH secretion in various hypothalamo-pituitary disorders (author's transl)] Sasaki A. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20; 58(3):210–24 (Eng. Abstr.) **(Jpn)**

[Thyrotropin, prolactin, and growth-hormone responses to thyrotropin-releasing hormone in healthy subjects over eighty years (author's transl)] Shigemasa C, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):403–9 (Eng. Abstr.) **(Jpn)**

[The fundamental studies of Thyro-Shure Kit (author's transl)] Imazeki K, et al. **Radioisotopes** 1981 Apr; 30(4):233–6 **(Jpn)**

[A fundamental and clinical evaluation of RIA-gnost TSH Kit (predispensed type) (author's transl)] Kamei T, et al. **Radioisotopes** 1981 Mar;30(3):168–70 **(Jpn)**

[A fundamental and clinical evaluation of RIA-gnost TSH Kit (Bottle Type) (author's transl)] Kamei T, et al. **Radioisotopes** 1981 Feb;30(2):122–4 **(Jpn)**

[Basic and clinical evaluation of new TSH-RIA Kit 'Thyro-SHure' (author's transl)] Kusai Y, et al. **Radioisotopes** 1981 Apr;30(4):230–2 **(Jpn)**

[Endocrinal changes observed by TRH (thyrotropin-releasing hormone) test in alcohol withdrawal syndrome (author's transl)] Kogure T, et al. **Seishin Shinkeigaku Zasshi** 1981;83(8):475–87 (Eng. Abstr.) **(Jpn)**

[Effect of (2-picolyl) TRH on the serum TSH level in rats with hypothyroidism] Ryżewska M, et al. **Endokrynol Pol** 1981 Jul-Aug;32(4):303–8 (Eng. Abstr.) **(Pol)**

[Evaluation of TSH level and circadian TSH rhythm in patients treated with iodide-bromide mineral water after subtotal strumectomy] Skórzyński A, et al. **Endokrynol Pol** 1982;32(5):393–401 (Eng. Abstr.) **(Pol)**

[Thyrotropic and thyroid hormone (T3 and T4) content in Horton' s headache patients] Klimek A, et al. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5-6):569–73 (Eng. Abstr.) **(Pol)**

[Malaria in the municipality of Humaitá, State of Amazonas. VI - Serum levels of thyrotropin and thyroid hormones in 22 patients] Kiy Y, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep-Oct;23(5 Suppl 5):37–42 (Eng. Abstr.) **(Por)**

[Effect of alcohol on serum thyrotropin concentration of rats predisposed and unpredisposed to alcohol] Borisenko SA, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):26–8 (Eng. Abstr.) **(Rus)**

[Blood thyrotropin, thyroxine and adenosine cyclic monophosphate in peptic ulcer] Mosin VI, et al. **Klin Med (Mosk)** 1981 Feb;59(2):19–22 (Eng. Abstr.) **(Rus)**

[Thyroid function in craniocerebral trauma (author's transl)] Barberá M, et al. **Rev Esp Anestesiol Reanim** 1982 Jan; 29(1):13–8 (Eng. Abstr.) **(Spa)**

DEFICIENCY

A case of idiopathic hypothalamic hypothyroidism. Tanaka Y, et al. **Jpn J Med** 1981 Jul;20(3):222–6

[A case of glycogen storage disease type Ia (von Gierke's disease) with transient TSH deficiency (author's transl)] Kitaoka M, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1132–6 **(Jpn)**

DIAGNOSTIC USE

[Unusual scintigraphic aspects of hot thyroid nodules after TSH stimulation: apparent cooling] Fanfani G, et al. **Radiol Med (Torino)** 1981 Oct;67(10):763–6 **(Ita)**

GENETICS

The gene encoding the common alpha subunit of the four human glycoprotein hormones. Fiddes JC, et al. **J Mol Appl Gen** 1981;1(1):3–18

Nucleotide sequence of the mRNA encoding the pre-alpha-subunit of mouse thyrotropin. Chin WW, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5329–33

IMMUNOLOGY

Prognostic value of thyrotrophin binding inhibiting immunoglobulins (TBII) in longterm antithyroid treatment, 131I therapy given in combination with carbimazole and in euthyroid ophthalmopathy. Bliddal H, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):364–9

Monoclonal antibody to human thyrotropin. Ridgway EC, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):44–8

Characterization of monoclonal antibodies directed against human thyroid stimulating hormone. Soos M, et al. **J Immunol Methods** 1982;51(1):57–68

Plasma immunoreactive TSH: spurious elevation due to antibodies to bovine TSH which cross-react with human TSH. Frohman LA, et al. **Metabolism** 1982 Aug; 31(8):834–40

Measurement of thyrotropin receptor antibodies. Smith BR, et al. **Methods Enzymol** 1981;74 Pt C:405–20

ISOLATION & PURIFICATION

Purification of thyrotropin from the pituitaries of two turtles: the green sea turtle and the snapping turtle. MacKenzie DS, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):39–48

Heterogeneous forms of thyroid-stimulating hormone in mouse thyrotropic tumor and serum: differences in receptor-binding and adenylate cyclase-stimulating activity. Pekonen F, et al. **Horm Metab Res** 1981 Nov; 13(11):617–20

METABOLISM

Properties of thyrotrophin receptors in human thyroid membranes. de Bruin TW, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):522–9

Presence of gangliosides in the structure of membrane receptor for thyrotrophin. Gardas A, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):549–55

Thyroid control: an example of a complex cell regulation network. Dumont JE, et al. **Adv Cyclic Nucleotide Res** 1981;14:479–89

Propranolol improves the impaired TSH response to TRH in patients with autonomously functioning euthyroid multinodular goitre. Elte JW, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):553–63

The interaction of cultured thyroid cells of early bovine embryos with thyrotropin and thyroglobulin. Avivi A, et al. **Endocrinology** 1982 Aug;111(2):589–98

Correlation among the changes in the levels of thyroid hormones, thyrotropin and thyrotropin-releasing hormone during the development of Xenopus laevis. Bray T, et al. **Exp Cell Biol** 1982;50(2):101–7

Thyrotropin in human breast milk. Tenore A, et al. **Horm Res** 1981;14(4):193–200

Differential effects of alkylation of methionine residues on the activities of pituitary thyrotropin and lutropin. Goverman JM, et al. **J Biol Chem** 1981 Sep 25; 256(18):9431–5

Thyrotropin binding and adenylate cyclase activation in normal and neoplastic human thyroid tissue: lack of effect of thyroglobulin. Clark OH, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1157–63

Coupling defect of thyrotropin receptor and adenylate cyclase in a pseudohypoparathyroid patient. Mallet E, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1028–32

Thyrotropin displacement activity of serum immunoglobulins from patients with Graves' disease. O'Donnell J, et al. **J Clin Endocrinol Metab** 1978 May;46(5):770–7

Evidence for species specificity in the interaction between thyrotropin and thyroid-stimulating immunoglobulin and their receptor in thyroid tissue. Rapoport B, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1059–62

Discrepancy between thyroid-stimulating and thyrotropin-binding inhibitory activities of Graves' immunoglobulin Gs assessed in the mouse. Shishiba Y, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):858–62

Receptor heterogeneity in the human thyroid: differences between thyrotrophin binding sites in membrane and nuclear fractions. Manley SW, et al. **J Endocrinol** 1981 Oct; 91(1):163–73

Direct visualization of membrane clustering and endocytosis of thyrotropin into cultured thyroid cells. Avivi A, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):55–71

Dissociation kinetics of the thyrotropin-receptor complex. Characterization of a slowly dissociable component. Powell-Jones CH, et al. **Mol Cell Endocrinol** 1981 Nov; 24(2):219–31

TSH in the rat and monkey brain. Distribution, characterization and effect of hypophysectomy. Hojvat S, et al. **Neuroendocrinology** 1982;34(5):327–32

Reevaluation of the role of gangliosides in the binding and action of thyrotropin. Beckner SK, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4848–52

Separation of two thyrotropin binding components from porcine thyroid tissue by affinity chromatography: characterization of high and low affinity sites. Drummond RW, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2202–6

Arachidonate metabolism in the mouse thyroid implication of the lipoxygenase pathway in thyrotropin action. Levasseur S, et al. **Prostaglandins** 1981 Oct;22(4):663–73

Adenosine 3',5'-monophosphate modulates thyrotropin receptor clustering and thyrotropin activity in culture. Avivi A, et al. **Science** 1981 Dec 11;214(4526):1237–9

PHARMACODYNAMICS

Iodine metabolism and the effect of TSH in thyroid glands of early bovine embryos. Avivi A, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):377–82

Characterisation of the cyclic AMP response to thyrotrophin in monolayer cultures of normal human thyroid cells. Bidey SP, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):370–6

Factors influencing the release of cyclic AMP from mouse thyroid tissue stimulated by TSH in vitro. Gustafson A, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):404–9

Changes in the cyclic nucleotides (cCMP, cAMP, and cGMP) of rat thyroid induced by prolonged administration of LATS and TSH. Ochi Y, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):62–7

Human thyroid blood flow response to endogenous, exogenous human, and bovine thyrotrophin measured by electromagnetic flowmetry. Tegler L, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):540–8

Some unexpected effects of thyrotrophin on the metabolism of thyroid cells isolated from non-toxic goitre. Wadeleux PA, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):533–9

Inhibition of thyroidal iodine release by oestrogens in euthyroid subjects. Zaninovich AA, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):386–92

Permanent amplifying effect on the cockerel gonad of hypophysis hormones (FSH, TSH) administered at hatching. Dobozy O, et al. **Acta Morphol Acad Sci Hung** 1981;29(1):19–25

Overlapping effect of follicle stimulating hormone (FSH) and thyrotropin (TSH) on the ultrastructure of immature chicken testes. Dobozy O, et al. **Acta Morphol Acad Sci Hung** 1982;30(1):11–26

Effect of high-dose thyrotropic hormone treatment on the cells of the newborn rat thyroid. Madarász B, et al. **Acta Morphol Acad Sci Hung** 1981;29(2-3):213–9

Overlapping effect of thyroid-stimulating hormone and follicle-stimulating hormone on the thyroid gland in baby chicken. Dobozy O, et al. **Acta Physiol Acad Sci Hung** 1981;57(2):171–5

TSH-treatment of thyroid slices increases the amount of DNA released from nuclei by mild DNase-I digestion. Abe Y, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1102–8

Glycosylation of thyroglobulin and response to thyrotropin of human cultured thyroid cells. Tanini A, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1573–8

Thyrotropin controls cyclic nucleotide metabolism of thyroid follicular cells without affecting membrane potential or input resistance. Green ST, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):36–41

Regulation of Sertoli cell function by thyrotropin. Hutson JC, et al. **Biol Reprod** 1981 Sep;25(2):303–6

Mitotic rate of rat thyroid follicular cells in vivo in response to a single injection of thyrotropin (TSH). Redmond O, et al. **Cell Tissue Kinet** 1981 Nov;14(6):625–31

Fine structural studies on the reabsorption of colloid and fusion of colloid droplets in thyroid glands of TSH-treated mice. Miyagawa J, et al. **Cell Tissue Res** 1982;223(3):519–32

The involvement of the pentose shunt in thyroid metabolism after stimulation with TSH or with immunoglobulins from patients with thyroid disease. II. The reoxidation of NADPH and stimulation of hormone synthesis. Drexhage HA, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):57–63

The involvement of the pentose shunt in thyroid metabolism after stimulation with TSH or with immunoglobulins from patients with thyroid disease. I. The generation of NADPH in relation to stimulation of thyroid growth. Drexhage HA, et al. **Clin Endocrinol (Oxf)** 1982 Jan;16(1):49–56

Effect of thyrotropin on the sensitivity of thyroid nuclear deoxyribonucleic acid to digestion by micrococcal nuclease. Abe Y, et al. **Endocrinology** 1982 Jun; 110(6):2118–23

The ontogeny of the thyrotropin-thyroid axis in early bovine embryos. Avivi A, et al. **Endocrinology** 1981 Nov; 109(5):1611–8

Decreased thyroidal response to thyrotropin in diabetic mice. Bagchi N, et al. **Endocrinology** 1981 Nov;109(5):1428–32

Effects of hydrogen peroxide-generating systems on the Wolff-Chaikoff effect. Chiraseveenuprapund P, et al. **Endocrinology** 1981 Dec;109(6):2095–102

Effects of thyrotropin, acetazolamide, 4-acetamido-4'-isothiocyanostilbene-2,2'-disulfonic acid, perchlorate, and ouabain on the distribution of iodide ion in cells and luminal fluid of turtle thyroid. Chow SY, et al. **Endocrinology** 1982 Jan;110(1):121–5

TSH stimulates 32P-labeling of thyroid nuclear HMG 14, a protein associated with actively transcribed chromatin. Cooper E, et al. **Endocrinology** 1982 Apr;110(4):1459–61

Recovery from thyroid-stimulating hormone-induced refractoriness in thyroid slices: effect of removal of hormone and new protein synthesis. Field JB, et al. **Endocrinology** 1982 Mar;110(3):820–4

Influence of cell density on desensitization of the thyroid cell cyclic adenosine 3',5'-monophosphate response to thyrotropin stimulation. Filetti S, et al. **Endocrinology** 1981 Oct;109(4):1156–63

Iodothyronine secretion from perfused dog thyroid lobes after prolonged thyrotropin treatment in vivo. Laurberg P. **Endocrinology** 1981 Nov;109(5):1560–5

Involvement of alpha 1-adrenergic receptors in the inhibitory effect of catecholamines on the thyrotropin-induced release of thyroxine by the mouse thyroid. Muraki T, et al. **Endocrinology** 1982 Jan;110(1):51–4

Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. Scherberg NH, et al. **Endocrinology** 1981 Nov;109(5):1650–6

Studies on the bioactivity of radioiodinated highly purified bovine thyrotropin: analytical polyacrylamide gel electrophoresis. Takai NA, et al. **Endocrinology** 1981 Oct; 109(4):1144–9

Consequences of neonatal combined hormone (oxytocin + TSH) exposure for the adult rat. Csaba G, et al. **Endokrinologie** 1982 Feb;79(1):149–51

Thyrotropin induces changes in the morphology and the organization of microfilament structures in cultured thyroid cells. Tramontano D, et al. **Exp Cell Res** 1982 Feb; 137(2):269–72

Plasma triiodothyronine response to thyrotropin releasing hormone, thyrotropin and propranolol in old age. Szabolcs I, et al. **Exp Gerontol** 1981;16(4):309–16

Effects of arachidonate on cultured pig thyroid cells and their stimulation by thyrotropin. Gerard C, et al. **FEBS Lett** 1981 Sep 14;132(1):23–8

Increases of prostacyclin and PGE2 levels after acute thyrotropin stimulation in cultured porcine thyroid cells. Takasu N, et al. **FEBS Lett** 1981 Dec 21;136(1):153–9

Specific inhibition by Na+ of TSH-stimulated thyroid cell adenylate cyclase. Verrier B, et al. **FEBS Lett** 1982 Feb 22;138(2):303–6

Effects of TRH, TSH, and prolactin on the release in vitro of thyroxine from thyroid glands of the red-spotted newt. Anderson SL, et al. **Gen Comp Endocrinol** 1982 Jul; 47(3):280–7

Thyrotropin-releasing hormone and thyrotropin in the control of thyroid function in the turtle, Chrysemys picta. Sawin CT, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):7–11

Further observations on the hormonal regulation of alpha-glycerolphosphate dehydrogenase in rat mammary gland: a possible role for prolactin and thyrotropin. Deshpande N, et al. **Horm Metab Res** 1981 Oct; 13(10):572–4

Thyroid cell hyporesponsiveness in cockerels treated with follicle stimulating hormone (FSH) or thyrotropin (TSH) at hatching. Dobozy O, et al. **Horm Metab Res** 1981 Oct; 13(10):587–8

Thyroid membrane ADP ribosyltransferase activity. Stimulation by thyrotropin and activity in functioning and nonfunctioning rat thyroid cells in culture. De Wolf MJ, et al. **J Biol Chem** 1981 Dec 10;256(23):12287–96

Inhibitors of specific aminoacyl-tRNA synthetases prevent thyrotropin-induced desensitization in cultured human thyroid cells. Filetti S, et al. **J Biol Chem** 1982 Feb 10; 257(3):1342–6

Reorganization of porcine thyroid cells into functional follicles in a chemically defined, serum- and thyrotropin-free medium. Fayet G, et al. **J Cell Biol** 1982 May;93(2):479–88

Reaccumulation of thyroglobulin and colloid in rat and mouse thyroid follicles during intense thyrotropin stimulation. A clue to the pathogenesis of colloid goiters. Gerber H, et al. **J Clin Invest** 1981 Nov;68(5):1338–47

Modulation by catecholamines and thyrotrophin of cyclic AMP response to beta-adrenergic stimulation by cultured porcine thyroid cells. Dumas D, et al. **J Endocrinol** 1982 Apr;93(1):1–9

Divergent phases of responsiveness of thyroid hormone biosynthesis to exogenous thyroid-stimulating hormone in the postnatal rat. Stolc V, et al. **J Endocrinol** 1982 Feb; 92(2):251–60

Response of thyroxine and triiodothyronine to thyroid-stimulating hormone in adult female baboons (Papio cynocephalus). Maul DH, et al. **Lab Anim Sci** 1982 Jun;32(3):267–8

Cooling enhances adenosine 3':5' monophosphate accumulation in thyrotropin stimulated dog thyroid slices. Delbeke D, et al. **Metabolism** 1982 Aug;31(8):797–804

Stimulation by thyrotropin, cholera toxin and dibutyryl cyclic AMP of the multiplication of differentiated thyroid cells in vitro. Roger PP, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):165–76

Central respiratory stimulant effect by thyrotropin in releasing hormone in the rat. Hedner J, et al. **Neurosci Lett** 1981 Sep 25;25(3):317–20

Electron microscopic study on the fetal thyroid C cells following fetal hypophyseoprivia with or without TSH and GH therapies in the rat. Eguchi Y, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):27–36

Effect of thyrotropin on 32P-labelled histones H1 and H3 in specific populations of nucleosomes in the thyroid. Cooper E, et al. **Nucleic Acids Res** 1981 Jul 24; 9(14):3389–401

Thyrotropin stimulation of the ADP-ribosyltransferase activity of bovine thyroid membranes. Vitti P, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1525–9

[Morphokinetics of the TSH-stimulated guinea pig thyroid gland in vitro] Luttermann M, et al. **Acta Anat (Basel)** 1982; 112(2):105–16 (Eng. Abstr.) **(Ger)**

[Influence of thymostimulin on the activity of certain enzymes of adenosine and AMP metabolism in lymphocytes of rats with mammary cancer] Umanskiĭ VIu, et al. **Ukr Biokhim Zh** 1982 Mar–Apr;54(2):154–8 (Eng. Abstr.) **(Rus)**

[Reaccumulation of colloids in the thyroid during chronic stimulation with thyrotropin] Sinadinović J, et al. **Srp Arh Celok Lek** 1981 Apr;109(4):479–91 (Eng. Abstr.) **(Scc)**

PHYSIOLOGY

Refractoriness of TSH- and PGE2-stimulated iodine metabolism in cultured porcine thyroid cells, evidence for refractoriness at the level of cAMP action. Takasu N, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):530–9

TSH, HGH, HPr, and cortisol response to TRH in depressed patients. Ramseier F, et al. **Acta Psychiatr Belg** 1980 Jul–Aug;80(4):399–409

Neuroendocrine mechanisms in the therapeutic effects of antidepressant drugs: the 'thyroid-axis' hypothesis. Langer G, et al. **Adv Biochem Psychopharmacol** 1982;32:297–302

Hyperthyroidism caused by inappropriate thyrotropin hypersecretion: studies in patients with selective pituitary resistance to thyroid hormone. Spanheimer RG, et al. **Arch Intern Med** 1982 Jul;142(7):1283–6

Relationships between circulating and intracellular thyroid hormones: physiological and clinical implications. Larsen PR, et al. **Endocr Rev** 1981 Winter;2(1):87–102 (165 ref.)

Thyroxine-5'-deiodinase of rat thyroid, but not that of liver, is dependent on thyrotropin. Erickson VJ, et al. **Endocrinology** 1982 Aug;111(2):434–40

Functional morphology of thyrotropic and corticotropic cells during reproductive cycle in ewe. Hifny A, et al. **Z Mikrosk Anat Forsch** 1982;96(2):318–30

SECRETION

TSH and TSH-subunit production by human thyrotrophic tumour cells in monolayer culture. Filetti S, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):224–31

Interrelationship between TSH- and prolactin secretion in patients with prolactinoma and autoimmune thyroiditis. Pelkonen R, et al. **Acta Endocrinol (Copenh)** 1982 Jun; 100(2):184–8

Regulation of prolactin and thyrotrophin secretion during human pregnancy: effect of sulpiride and TRH administration. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):451–5

Studies on the mechanism of the GABAergic inhibition of TSH secretion in male rats. Mattila J. **Acta Pharmacol Toxicol (Copenh)** 1981 Apr;48(4):320–5

Evidence that TRH stimulates secretion of TSH by two calcium-mediated mechanisms. Geras EJ, et al. **Am J Physiol** 1982 Feb;242(2):E109–14

Action of thyrotropin-releasing hormone on mammotrophs and thyrotrophs. Snyder G, et al. **Am J Physiol** 1981 Oct; 241(4):E298–304

Bromocriptine for inappropriate thyrotropin secretion [letter] Connell JM, et al. **Ann Intern Med** 1982 Feb;96(2):251–2

Effect of domperidone on prolactin (PRL)and thyrotrophin (TSH) secretion. Kaufman JM, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):293–303

Hyperthyroidism due to a thyrotropin-secreting pituitary adenoma. Studies of thyrotropin and subunit secretion. Smith CE, et al. **Arch Intern Med** 1982 Sep;142(9):1709–11

Large single doses of oral TRH blockade the TSH response in children. Villalpando-Hernández S, et al. **Arch Invest Med (Mex)** 1981;12(4):491–7 **(Eng, Spa)**

Effects on the secretion of pituitary growth hormone, thyroid stimulating hormone, luteinizing hormone and follicle stimulating hormone in rats rendered hyperprolactinaemic by chronic treatment with oestrogen. Smythe GA, et al. **Aust J Biol Sci** 1981;34(3):321–4

Importance of thyroxine in suppressing secretion of thyroid-stimulating hormone after thyroidectomy. Erfurth EM, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):941–2

Importance of thyroxine in suppressing secretion of thyroid stimulating hormone [letter] MacPherson JN, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1479

Effect of lesions in the periventricular nucleus of the preoptic-anterior hypothalamus on growth hormone and thyrotropin secretion and brain somatostatin. Critchlow V, et al. **Brain Res** 1981 Oct 19;222(2):267–76

Cardiac catheterization dye does not affect serum thyroid hormone concentrations or TSH secretion. Kleinmann RE, et al. **Cathet Cardiovasc Diagn** 1982;8(3):261–5

Analysis of factors in hyperthyroidism, which determine the duration of suppressive treatment before recovery of thyroid stimulating hormone secretion. Fischer HR, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):575–85

Comparison between dose-responses of prolactin, thyroid stimulating hormone and growth hormone to two different histamine H-2 receptor antagonists in normal men. Knigge U, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):585–92

Clomiphene citrate does not modify the exaggerated thyrotrophin response to thyrotrophin-releasing hormone occurring in primary testicular failure. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):139–45

Impaired dopaminergic control of thyroid stimulating hormone secretion in chronic renal failure. Weetman AP, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):451–6

Neuroendocrine control of thyrotropin secretion. Morley JE. **Endocr Rev** 1981 Fall;2(4):396–436 (700 ref.)

Evidence of sex difference in dopaminergic modulation of serum TSH secretion in primary hypothyroidism. Kamijo K, et al. **Endocrinol Jpn** 1981 Apr;28(2):127–31

Inverse correlation between urinary 17-hydroxycorticosteroid (17-OHCS) excretion and thyrotropin-releasing hormone (TRH)-induced thyrotropin (TSH) response in disorders of adrenocorticotropic hormone (ACTH) and adrenal secretion. Mashito T, et al. **Endocrinol Jpn** 1981 Apr; 28(2):145–9

TSH and prolactin secretions in Hashimoto's thyroiditis following withdrawal of thyroid hormone therapy. Ohsawa N, et al. **Endocrinol Jpn** 1981 Jun;28(3):329–34

Improvement in abnormal secretion of thyrotropin and gonadotropin after restoration of serum calcium is pseudohypoparathyroidism. Suzuki H, et al. **Endocrinol Jpn** 1982 Feb;29(1):69–75

A TSH secreting pituitary tumor accompanied by high stature: presentation of a case and review of the literature. Takano K, et al. **Endocrinol Jpn** 1981 Apr;28(2):215–23

Delineation of the hypothalamic area controlling thyrotropin secretion in the rat. Aizawa T, et al. **Endocrinology** 1981 Nov;109(5):1731–8

The importance of the hypothalamic lateral retrochiasmatic area in the control of adrenocorticotropin and thyrotropin secretion. Aizawa T, et al. **Endocrinology** 1982 May; 110(5):1693–700

Evidence that stimulation of thyrotropin and prolactin secretion by thyrotropin-releasing hormone occur via different calcium-mediated mechanisms: studies with verapamil. Geras E, et al. **Endocrinology** 1982 Mar; 110(3):901–6

Differential effects of pharmacological manipulations of central alpha 1- and alpha 2-adrenergic receptors on the secretion of thyrotropin and growth hormone in male rats. Krulich L, et al. **Endocrinology** 1982 Mar;110(3):796–804

Regulation of thyrotropin secretion in rats bearing the Walker 256 carcinoma. Kumara-Siri MH, et al. **Endocrinology** 1981 Nov;109(5):1760–8

Effect of chronic iodide supplements on thyroid secretion: the role of lysosomes. Lamas L, et al. **Endocrinology** 1982 May;110(5):1804–11

Influence of endogenous somatostatin on growth hormone and thyrotropin secretion in neonatal rats. Oliver C, et al. **Endocrinology** 1982 Mar;110(3):1018–22

Hormonal changes induced by a partial opiate antagonist, nalorphine. Evaluation of PRL, GH, TSH, LH, FSH and cortisol secretion. Rolandi E, et al. **Eur J Clin Pharmacol** 1981;21(1):23–5

Possible involvement of nigrostriatal dopamine system in the inhibition of thyrotropin secretion in the rat. Männistö P, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):403–9

Domperidone directly stimulates TSH secretion in vitro. Powell R, et al. **FEBS Lett** 1981 Jun 29;129(1):97–9

Effects of monoamines on release of thyroid stimulating hormone by pituitary-hypothalamus co-incubations. Hall TR, et al. **Gen Pharmacol** 1981;12(6):485–8

Dopamine receptor blockade induced by metoclopramide and thyroid-stimulating hormone secretion in man. Barreca T, et al. **Horm Res** 1981;14(4):201–8

Complex role of 5-HT in the regulation of TSH secretion in the male rat. Mattila J, et al. **Horm Res** 1981;14(3):165–71

Plasma growth hormone, prolactin and thyrotropin secretory patterns in Hereford and Simmental calves. Ohlson DL, et al. **J Anim Sci** 1981 Aug;53(2):371–5

Recovery of pituitary secretion of thyrotropin and its free alpha- and beta-subunits after triiodothyronine withdrawal. Goldman JM, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):337–40

A case of pituitary adenoma with possible simultaneous secretion of thyrotropin and follicle-stimulating hormone. Koide Y, et al. **J Clin Endocrinol Metab** 1982 Feb; 54(2):397–403

Familial hyperthyroidism due to inappropriate thyrotropin secretion successfully treated with triiodothyronine. Rösler A, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):76–82

Familial inappropriate TSH secretion: evidence suggesting a dissociated pituitary resistance to T3 and T4. Vandalem JL, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):413–22

Thyrotrophin-producing pituitary adenomas. Hill SA, et al. **J Neurosurg** 1982 Oct;57(4):515–9

Role of the serotoninergic neuron system of the brain stem on the release of thyrotrophic and luteinizing hormone. Mess B, et al. **J Physiol (Paris)** 1981;77(2–3):501–3

The spectrum of inappropriate pituitary thyrotropin secretion associated with hyperthyroidism. Gharib H, et al. **Mayo Clin Proc** 1982 Sep;57(9):556–63

Serum thyroid hormone concentrations and recovery of TSH secretion after excision of autonomously functioning thyroid nodules. Carpi A, et al. **Metabolism** 1982 May; 31(5):417–20

Feedback regulation of thyrotropin secretion by thyroid hormones [letter] **N Engl J Med** 1982 May 20; 306(20):1236–7

Thyroid-pituitary interaction: feedback regulation of thyrotropin secretion by thyroid hormones. Larsen PR. **N Engl J Med** 1982 Jan 7;306(1):23–32 (81 ref.)

TSH release during the estrous cycle of the rat: variations in responsiveness to cervicovaginal stimulation. Castro-Vazquez A, et al. **Neuroendocrinology** 1981; 33(4):193–8

Pituitary tumor producing only thyrotropin. A case report. Anniko M, et al. **ORL J Otorhinolaryngol Relat Spec** 1982; 44(3):134–41

Regulation of thyrotropin secretion by 3,5,3'-triiodothyronine and thyroxine. Larsen PR. **Prog Clin Biol Res** 1981;74:81–93 (33 ref.)

Delayed TSH release in anorexia nervosa following injection of thyrotropin-releasing hormone (TRH). Casper RC, et al. **Psychoneuroendocrinology** 1982;7(1):59–68

Adenoma of the human pituitary producing growth hormone and thyrotropin. A histologic, immunocytologic and fine-structural study. Kovacs K, et al. **Virchows Arch [Pathol Anat]** 1982;395(1):59–68

Pituitary adenomas with hyperfunction of TSH. Frequency, histological classification, immunocytochemistry and ultrastructure. Saeger W, et al. **Virchows Arch [Pathol Anat]** 1982;394(3):255–67

[Pituitary mixed TSH-PRL adenoma secondary to hypothyroidism (a case report) (author's transl)] Ren ZY. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):221–3 (Eng. Abstr.) **(Chi)**

[Mixed TSH-PRL pituitary adenoma secondary to hypothyroidism - report of a case] Ren ZY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):252–5 (Eng. Abstr.) **(Chi)**

[Effects of cyproheptadine on the secretion and pituitary content of thyrotropin in rats] Ulloa ER, et al. **Medicina (B Aires)** 1981;41(3):333–6 (Eng. Abstr.) **(Spa)**

THYROTROPIN RELEASING HORMONE

Specific and direct fluorination of an histidine-containing peptide: Thyroliberin. Lévine-Pinto H, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1121-30

Prolactin response to thyrotropin-releasing hormone in children with Turner's syndrome and hyperthyroidism. Abe K, et al. **Eur J Pediatr** 1982 Mar;138(2):176-8

Thyrotropin-releasing hormone. Jackson IM. **N Engl J Med** 1982 Jan 21;306(3):145-55 (111 ref.)

ADMINISTRATION & DOSAGE

Large single doses of oral TRH blockade the TSH response in children. Villalpando-Hernández S, et al. **Arch Invest Med (Mex)** 1981;12(4):491-7 **(Eng, Spa)**

Response to luteinizing releasing hormone, thyrotrophic releasing hormone, and human chorionic gonadotropin administration in healthy men at different risks for prostatic cancer and in prostatic cancer patients. Hill P, et al. **Cancer Res** 1982 May;42(5):2074-80

Effect of thyrotropin releasing hormone instillation on keratitis in dairy cattle. Kato T, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):437-42

[The effects of acute administration of thyrotropin-releasing hormone on conditioned active avoidance learning and passive avoidance learning in rats (author's transl)] Hayashi T. **Nippon Naibunpi Gakkai Zasshi** 1981 May 20; 57(5):747-61 (Eng. Abstr.) **(Jpn)**

[Reaction of the Gomori-positive hypothalamo-hypophyseal neurosecretory system of the rat to a single dose of thyroliberin] Krasnovskaia IA, et al. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):48-52 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Thyrotrophin-releasing hormone test: an adverse reaction. McFarland KF, et al. **Arch Intern Med** 1982 Jan; 142(1):132-3

Transient amaurosis and headache after thyrotropin releasing hormone [letter] Drury PL, et al. **Lancet** 1982 Jan 23; 1(8265):218-9

TRH and bronchospasm [letter] McFadden RG, et al. **Lancet** 1981 Oct 3;2(8249):758-9

ANALOGS & DERIVATIVES

Properties of [3H](3-Me-His2)TRH binding to apparent TRH receptors in the sheep central nervous system. Taylor RL, et al. **Brain Res** 1981 Aug 10;218(1-2):207-17

In vitro study of frog (Rana ridibunda Pallas) neurointermediate lobe secretion by use of a simplified perifusion system. I. Effect of TRH analogs upon alpha-MSH release. Leroux P, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):13-23

Evidence for the enzymic degradation of TRH-related pseudo-peptides by porcine serum and brain homogenate. Morier E, et al. **Int J Pept Protein Res** 1981 Nov; 18(5):513-5

Influence of methyl-TRH-induced prolactin increase on serum testosterone levels in normal adult men. Rubin RT, et al. **J Clin Endocrinol Metab** 1978 May;46(5):830-3

Radioimmunoassay for an analog of thyrotrophin-releasing hormone, gamma-butyrolactone-gamma-carbonyl-L-histidyl-L-pr (DN-1417). Shiota K, et al. **J Immunol Methods** 1982; 51(1):69-80

Effect of a thyrotropin releasing hormone analog in a patient with myoclonus epilepsy. Inanaga K, et al. **Kurume Med J** 1981;28(3):201-10

Structure activity relationship studies with hypothalamic peptide hormones. II. Effects of thyrotropin releasing hormone analogs on morphine-induced responses in mice. Bhargava HN, et al. **Life Sci** 1982 Mar 1;30(9):711-8

Characterization and distribution of 3H-(3MeHis2)thyrotropin releasing hormone receptors in rat brain. Simasko SM, et al. **Life Sci** 1982 May 24; 30(21):1793-9

Thyrotropin releasing hormone and its analogues I. New syntheses and biological properties of TRH (Pro-NH-NH2)3-TRH and (2-Picolyl)-TRH. Bobrowska J, et al. **Mater Med Pol** 1980 Jan-Jun;12(1-2):129-35

The effect of TRH and its analogues, (Pro-NH-NH2)3TRH and (2-Picolyl)1-TRH on TSH level in rat serum. Ryżewska M, et al. **Mater Med Pol** 1980 Jan-Jun; 12(1-2):136-9

Behavioural effects of central and peripheral injection of various analogues and metabolites of thyrotropin releasing hormone (TRH). Heal DJ, et al. **Neuropharmacology** 1981 Oct;20(10):947-57

Comparative analysis of the sensitivity of single neurons of the central nervous system to thyrotropin-releasing hormone and its structural analog. Babichev VN, et al. **Neurosci Behav Physiol** 1981 Jul-Aug;11(4):385-8

Inactivation of thyrotropin-releasing hormone (TRH) and (3Me-His) TRH by brain peptidases studied by high-performance liquid chromatography. Griffiths EC, et al. **Neurosci Lett** 1982 Jan 22;28(1):61-5

Effects of TRH and PS-24 on colonic temperature and motor activity of rats: possible role of dopamine. Yehuda S, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):131-5

Thyrotropin-releasing hormone (TRH) analogues show enhanced CNS selectivity because of increased biological stability. Metcalf G, et al. **Regul Pept** 1981 Sep;2(5):277-84

Neuropharmacological evaluation of RX 77368--a stabilised analogue of thyrotropin-releasing hormone (TRH). Metcalf G, et al. **Regul Pept** 1982 Mar;3(3-4):193-206

[Effect of (2-picolyl) TRH on the serum TSH level in rats with hypothyroidism] Ryżewska M, et al. **Endokrynol Pol** 1981 Jul-Aug;32(4):303-8 (Eng. Abstr.) **(Pol)**

ANALYSIS

TRH concentration in rat olfactory bulb is undiminished by deafferentation. Kreider MS, et al. **Brain Res** 1982 Jun 10; 241(2):351-4

Regional dissociation of histidyl--proline diketopiperazine (cyclo-(His--Pro)) and thyrotropin-releasing hormone (TRH) in the rat brain. Mori M, et al. **Brain Res** 1982 Jan 14;231(2):451-3

The postnatal development of the pituitary thyrotropin-releasing hormone receptor in male and female rats. Banerji A, et al. **Endocrinology** 1982 Feb;110(2):663-4

Immunohistochemical localization of thyrotropin-releasing hormone in the rat hypothalamus and pituitary. Lechan RM, et al. **Endocrinology** 1982 Jul;111(1):55-65

The course of thyrotropin-releasing hormone fibers to the median eminence in rats. Palkovits M, et al. **Endocrinology** 1982 May;110(5):1526-8

The effects of 5-hydroxytryptamine-depleting drugs on peptides in the ventral spinal cord. Gilbert RF, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):203-10

Evidence of thyrotropin-releasing hormone activity in autopsy pancreata from newborns. Koivusalo F. **J Clin Endocrinol Metab** 1981 Oct;53(4):734-6

Characterization of immunoreactive thyrotropin releasing hormone in human fetal cerebellum. Parker CR Jr. **J Neurochem** 1981 Nov;37(5):1266-71

A review of the methods used for the measurement of thyrotropin-releasing hormone (TRH). Busby WH Jr, et al. **J Neurosci Methods** 1981 Dec;4(4):305-14 (31 ref.)

Thyrotropin releasing factor: radioimmunoassay and distribution in biological fluids and tissues. Leppäluoto J, et al. **Med Biol** 1981 Apr;59(2):85-91 (53 ref.)

[Demonstration of neuropeptides in cultured neuroretinal cells of chick embryo] Girard A, et al. **C R Seances Acad Sci [III]** 1981 Oct 12;293(5):291-5 (Eng. Abstr.) **(Fre)**

ANTAGONISTS & INHIBITORS

Suppressive action of cholecystokinin octapeptide on the behavioral effects of L-DOPA in the rat. Itoh S, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):313-6

Effect of cholecystokinin on thyrotropin releasing hormone (TRH)-induced serotonin potentiation in rats. Itoh S, et al. **Jpn J Physiol** 1982;32(1):145-8

Sedative action of cholecystokinin octapeptide on behavioral excitation by thyrotropin releasing hormone and methamphetamine in the rat. Katsuura G, et al. **Jpn J Physiol** 1982;32(1):83-91

Endogenous opiates inhibit gastric acid secretion induced by central administration of thyrotropin-releasing hormone (TRH). Morley JE, et al. **Life Sci** 1981 Jul 20;29(3):293-7

BLOOD

Pattern of thyrotropin and thyroxine plasma concentrations during the 24-hour sleep-wake cycle in the male rhesus monkey. Giannella-Neto D, et al. **Endocrinology** 1981 Dec; 109(6):2144-51

Increase in plasma thyrotropin-releasing hormone in normal human pregnancy. Amino N, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1288-90

Measurements of thyrotropin-releasing hormone-like material in human peripheral blood by affinity chromatography and radioimmunoassay. Mallik TK, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1194-8

Endocrine responses to thyrotropin-releasing hormone in major depressive disorders. Asnis GM, et al. **Psychiatry Res** 1981 Oct;5(2):205-15

[Peripheral thyroid function and TRH-TSH test in patients with acromegaly] Heberling HJ, et al. **Z Gesamte Inn Med** 1981 Apr 15;36(8):306-8 (Eng. Abstr.) **(Ger)**

CEREBROSPINAL FLUID

The diurnal variation of immunoreactive thyrotropin-releasing hormone and somatostatin in the cerebrospinal fluid of the rhesus monkey. Berelowitz M, et al. **Endocrinology** 1981 Dec;109(6):2102-9

Investigation of cerebrospinal fluid neuropeptides in idiopathic senile dementia. Oram JJ, et al. **Gerontology** 1981;27(4):216-23

CHEMICAL SYNTHESIS

Thyrotropin releasing hormone and its analogues I. New syntheses and biological properties of TRH (Pro-NH-NH2)3-TRH and (2-Picolyl)-TRH. Bobrowska J, et al. **Mater Med Pol** 1980 Jan-Jun;12(1-2):129-35

DIAGNOSTIC USE

Effect of lithium on the TRH-test. Höschl C. **Act Nerv Super (Praha)** 1981 Dec;23(4):276-8

Use of a single TSH-measurement after oral thyrotrophin releasing hormone: an economical and highly sensitive thyroid screening test. Platzer R, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):369-72

The oral TRH stimulation test. A new diagnostic tool in 'non-toxic' multinodular goitre. Kirkegaard C, et al. **Acta Med Scand** 1982;211(6):477-80

The effect of long-term cimetidine treatment on PRL and TSH response capacity to TRH in male patients with duodenal ulcer. Knigge U, et al. **Acta Med Scand** 1982; 211(5):331-4

Responsiveness of the pituitary to stimulation with arginine, GRH and TRH in patients with Turner' syndrome (karyotype 45, XO). Kunkel S, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:84-9

Serum thyrotropin response to thyrotropin-releasing hormone in psychiatric patients: a review. Loosen PT, et al. **Am J Psychiatry** 1982 Apr;139(4):405-16

Assessment of optimal L-thyroxine replacement dose by the TRH test. Squire CR, et al. **Ann Clin Biochem** 1982 Jan; 19(Pt 1):26-8

Using the protirelin test to distinguish mania from schizophrenia. Extein I, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):77-81

Thyrotropin-releasing hormone test and male unipolar depression. Kirstein L, et al. **Biol Psychiatry** 1981 Sep; 16(9):819-24

Neuroendocrine tests during treatment with neuroleptic drugs. II. The TRH test. Braddock LE, et al. **Br J Psychiatry** 1981 Nov;139:404-7

Pituitary responses to a neuroactive tripeptide (TRH) in Friedreich's ataxia families. Tolis G, et al. **Can J Neurol Sci** 1982 May;9(2):189-90

Graves' ophthalmopathy and subclinical hypothyroidism: diagnostic value of the thyrotropin releasing hormone test. Walfish PG, et al. **Can Med Assoc J** 1982 Aug 15; 127(4):291-4

T3 kinetics in euthyroid Graves' disease patients who exhibit hyper-responsiveness to TRH after radioiodine treatment. Jaffiol C, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):417-21

Clomiphene citrate does not modify the exaggerated thyrotrophin response to thyrotrophin-releasing hormone occurring in primary testicular failure. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):139-45

Rapid adaptation of pituitary responsiveness to TRH in the post-surgical state. The role of free T3. Wolfson MS, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):579-84

Neuroendocrine abnormalities in affective disorders. Extein I, et al. **Encephale** 1982;8(2):203-11

Thyroliberin (TRH) induced growth hormone (GH) release: test of maturation of hypothalamo-pituitary axis in postnatal rat. Strbák V, et al. **Endocrinol Exp (Bratisl)** 1981 Dec;15(4):245-9

Oral thyrotropin-releasing hormone (TRH) test in acromegaly. Marek J, et al. **Endokrinologie** 1981 Oct; 78(1):57-66

Hypercalcemia influences TRH-stimulated TSH and T3 response. Zofková I, et al. **Endokrinologie** 1981 Dec; 78(2-3):186-90

Exaggerated prolactin response of thyrotropin-releasing hormone in women with anovulatory cycles: possible role of endogenous estrogens and effect of bromocriptine. Peillon F, et al. **Fertil Steril** 1982 Apr;37(4):530-5

Pituitary responsiveness to gonadotropin-releasing hormone (GnRH) and thyrotropin-releasing hormone (TRH) during different phases of the same cycle of oral contraceptive steroid therapy. Pérez-López FR, et al. **Fertil Steril** 1982 Jun;37(6):767-72

Dissociation of thyrotropin and prolactin responsiveness to thyrotropin releasing hormone stimulation in L-dopa treated parkinsonian patients. Rabey JM, et al. **Horm Res** 1981;15(2):78-87

The TRH stimulation test in subtypes of unipolar depression. Targum SD, et al. **J Affective Disord** 1982 Mar;4(1):29-34

Nonspecific growth hormone responses to thyrotropin-releasing hormone in insulin-dependent diabetes: sex- and age-related pituitary responsiveness. Ceda GP, et al. **J Clin Endocrinol Metab** 1982 Jul; 55(1):170-4

End-organ response to adrenocorticotropin, thyrotropin, gonadotropin-releasing hormone, and glucagon in hypocalcemic magnesium deficient patients. Cohan BW, et al. **J Clin Endocrinol Metab** 1982 May;54(5):975-9

Seasonal variation of serum thyrotropin concentration and thyrotropin response to thyrotropin-releasing hormone in patients with primary hypothyroidism on constant replacement dosage of thyroxine. Konno N, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1118-24

The effects of thyrotropin-releasing hormone and luteinizing hormone-releasing hormone on growth hormone release in patients with homozygous beta-thalassaemia. Masala A, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1271-3

Paradoxical responsiveness of adrenocorticotropin and cortisol to thyrotropin releasing hormone (TRH) in pregnant women. Evidence for intermediate lobe activity? Pieters GF, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):387-9

Influence of metoclopramide on calcium inhibition of thyrotropin response to thyrotropin-releasing hormone. Röjdmark S, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):998-1001

Response of growth hormone to thyrotropin-releasing

hormone during fetal life. Roti E, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1255–7

Graves' orbitopathy and the thyrotropin-releasing hormone (TRH) test. Rush JA, et al. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):219–24

Clinical correlates of the TRH infusion test in primary depression. Kirstein L, et al. **J Clin Psychiatry** 1982 May; 43(5):191–4

The thyrotropin releasing hormone stimulation test: a review. Sternbach H, et al. **J Clin Psychiatry** 1982 Jan;43(1):4–6

Iodine contamination as a cause of hyperthyroidism or lack of TSH response to TRH stimulation (results based on a screening investigation). Habermann J, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):153–6

Neuroendocrine diagnostic test in psychiatry. Extein I, et al. **J Med Soc NJ** 1981 Oct;78(11):731–4

Free thyroid hormones and thyrotrophin response to thyrotrophin-releasing hormone in patients affected by chronic liver disease. Biggi A, et al. **J Nucl Med Allied Sci** 1982 Jan-Mar;26(1):19–24

Patterns of TSH response to TRH in children with hypopituitarism. Gruñeiro de Papendieck L, et al. **J Pediatr** 1982 Mar;100(3):387–92

Autonomous thyroid nodules in adolescents: clinical characteristics and results of TRH testing. Osburne RC, et al. **J Pediatr** 1982 Mar;100(3):383–6

Evaluation of euthyroid solitary. Autonomous nodule of the thyroid gland. Importance of scintillation scanning and thyrotropin-releasing hormone testing. Blum M, et al. **JAMA** 1982 Apr 9;247(14):1991–3

Results of oral TRH test in the differentiation of compensated and decompensated autonomous thyroid nodules. Jüngst D, et al. **Klin Wochenschr** 1982 May 3;60(9):477–8 (5 ref.)

Effects of thyroliberin (TRH), bromocriptine and cyproheptadine on somatotropin secretion in acromegaly. Pawlikowski M, et al. **Mater Med Pol** 1980 Jan-Jun; 12(1–2):70–3

Effect of di-N-propylacetic acid (valproic acid) on the TSH response to TRH—a presumptive role for gamma aminobutyric acid. Elias AN, et al. **Metabolism** 1981 Oct; 30(10):1021–3

Dissociation between sleep-related and TRH-induced prolactin secretion in seminiferous tubule failure. Spitz IM, et al. **Metabolism** 1982 Jan;31(1):10–3

Thyrotropin-releasing hormone [letter] **N Engl J Med** 1982 Jun 17;306(24):1488–90

The thyrotropin-releasing hormone test in the diagnosis of unipolar depression. Extein I, et al. **Psychiatry Res** 1981 Dec;5(3):311–6

Thyroid-stimulating hormone response to thyrotropin-releasing hormone in unipolar depression before and after clinical improvement. Extein I, et al. **Psychiatry Res** 1982 Apr;6(2):161–9

Compensatory pituitary-thyroid mechanisms in major depressive disorder. Targum SD, et al. **Psychiatry Res** 1982 Feb;6(1):85–96

Delayed TSH release in anorexia nervosa following injection of thyrotropin-releasing hormone (TRH). Casper RC, et al. **Psychoneuroendocrinology** 1982;7(1):59–68

The TRH test in the diagnosis of major and minor depression. Gold MS, et al. **Psychoneuroendocrinology** 1981;6(2):159–69

Parallel changes of the responses of thyrotropin, growth hormone and prolactin to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C, et al. **Psychoneuroendocrinology** 1981;6(3):253–9

The thyrotropin response to thyrotropin-releasing hormone in endogenous depression. Kirkegaard C. **Psychoneuroendocrinology** 1981;6(3):189–212

The autonomy of prolactin secretion in patients with prolactin producing tumor. Hanew K, et al. **Tohoku J Exp Med** 1982 May;137(1):101–7

[Thyreoliberin VUFB in thyroid gammagraphy (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Mar 5; 121(9):269–72 (Eng. Abstr.) **(Cze)**

[Simultaneous evaluation of the effects that change values of the thyreoliberin test in psychiatric patients] Höschl C, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):481–8 (Eng. Abstr.) **(Cze)**

[Effect of synthetic thyrotropin releasing hormone in children and adolescents with thyroid diseases] Hniková O, et al. **Cesk Pediatr** 1981 Sep;36(9):545–7 (Eng. Abstr.) **(Cze)**

[Hypothalamo-hypophyseal control system in hemodialysis patients (letter)] Schwartz KD. **Nuklearmedizin** 1982 Apr; 21(2):79–82 **(Ger)**

[Pituitary hormone secretion studied by simultaneous use of thyrotropin releasing hormone and Hungarian-made luteinizing hormone releasing hormone] Bános C, et al. **Orv Hetil** 1981 Sep 6;122(36):2205–11 **(Hun)**

[Thyreotropic hormone releasing hormone studies in euthyreotic autonomous adenoma] Földes J, et al. **Orv Hetil** 1982 Jan 3;123(1):27–30 **(Hun)**

[Behavior of triiodothyronine, tetraiodothyronine and thyrotropin during the TRH test] Strollo F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2417–23 (Eng. Abstr.) **(Ita)**

[The TRH test as a guide to the determination of a substitute dose of thyroid hormones in patients with primary hypothyroidism] Morosini PP, et al. **Minerva Med** 1982 May 12;73(20):1411–3 **(Ita)**

[A study of thyroid function in patients with Graves' disease after 5 to 10 years of subtotal thyroidectomy: with special emphasis on TRH tests, T3 suppression tests and antithyroid antibodies in euthyroid patients (author's transl)] Fukino O, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20;57(11):1581–90 (Eng. Abstr.) **(Jpn)**

[Endocrinal changes observed by TRH (thyrotropin-releasing hormone) test in alcohol withdrawal syndrome (author's transl)] Kogure T, et al. **Seishin Shinkeigaku Zasshi** 1981;83(8):475–87 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of hypophyseal stimulation by the thyreoliberin test] Sobieszczyk S. **Pol Arch Med Wewn** 1982 Mar;67(3):113–9 (26 ref.) **(Pol)**

[Lack of diagnostic value of pharmacodynamic tests in the differential diagnosis of hyperprolactinemia (author's transl)] Pineda G, et al. **Rev Med Chil** 1981 Sep; 109(9):830–2 **(Spa)**

IMMUNOLOGY

Immunohistochemical support for three putative transmitters in one neuron: coexistence of 5-hydroxytryptamine, substance P- and thyrotropin releasing hormone-like immunoreactivity in medullary neurons projecting to the spinal cord. Johansson O, et al. **Neuroscience** 1981; 6(10):1857–81

METABOLISM

Evidence that TRH stimulates secretion of TSH by two calcium-mediated mechanisms. Geras EJ, et al. **Am J Physiol** 1982 Feb;242(2):E109–14

Thyroliberin is rapidly transferred to the nucleus of GH3 pituitary cells at both 4 degree C and 37 degree C. Laverriere JN, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):833–40

Prolactin responsiveness to TRH and metoclopramide in thalassaemia. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1982 Mar;16(3):275–82

Reciprocal interactions of somatostatin with thyrotropin-releasing hormone and vasoactive intestinal peptide on prolactin and growth hormone secretion in vitro. Enjalbert A, et al. **Endocrinology** 1982 Jul;111(1):42–7

Regulation of thyrotropin-releasing hormone receptors and responses by L-triiodothyronine in dispersed rat pituitary cell cultures. Hinkle PM, et al. **Endocrinology** 1982 May; 110(5):1725–31

Thyrotropin-releasing hormone metabolism in visceral organ homogenates of the rat. Safran M, et al. **Endocrinology** 1982 Jun;110(6):2101–6

Catabolism of thyroliberin by rat adenohypophyseal tissue extract. Bauer K, et al. **Eur J Biochem** 1980 May; 106(1):107–17

Correlation among the changes in the levels of thyroid hormones, thyrotropin and thyrotropin-releasing hormone during the development of Xenopus laevis. Bray T, et al. **Exp Cell Biol** 1982;50(2):101–7

Seasonal variation in the accumulation and degradation of thyrotropin-releasing hormone by frog skin in vitro. Grimm-Jørgensen Y, et al. **Gen Comp Endocrinol** 1982 Feb; 46(2):150–7

Rapid temperature-dependent transformation of the thyrotropin-releasing hormone-receptor complex in rat pituitary tumor cells. Hinkle PM, et al. **J Biol Chem** 1982 May 25;257(10):5462–70

Age-dependent extinction of thyrotropin-releasing hormone in the human cerebellum. Parker CR Jr, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1233–7

Species differences in the brain regional distribution of receptor binding for thyrotropin-releasing hormone. Taylor RL, et al. **J Neurochem** 1982 Jun;38(6):1649–56

Effect of chloroquine on thyroliberin interaction with clonal rat prolactin cells. Cytochemical correlates. Tixier-Vidal A, et al. **Neuroendocrinology** 1982 Mar;34(3):180–90

TRH in the rat cerebellum: I. Distribution and concentration. Pacheco MF, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):277–82

Trh in the rat cerebellum: II. Uptake by cerebellar slices. Pacheco MF, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):283–8

Seasonal variation in thyrotropin-releasing hormone (TRH) content of different brain regions and the pineal in the mammalian hibernator, Citellus lateralis. Stanton TL, et al. **Regul Pept** 1982 Feb;3(2):135–44

PHARMACODYNAMICS

Serum levels of prolactin, TSH and gonadotrophins following LRH/TRH—double stimulation tests during the menstrual cycle. Baumgarten S, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):481–6

Responses to TRH, T3 suppression tests and histological findings by needle biopsy in patients with simple goitre in Japan. Fukino O, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):231–6

Thyrotrophin-releasing hormone responsiveness and degradation in children with chronic renal failure: effect of time of evolution. Henneberg CM, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):508–16

Glycoprotein hormone alpha-subunit secretion in patients with pituitary adenomas: influence of TRH, LRH and bromocriptine. MacFarlane IA, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):487–92

Thyrotrophin and prolactin responses to thyrotrophin-releasing hormone in patients with Parkinson's disease. Martinez-Campos A, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):344–51

Regulation of prolactin and thyrotrophin secretion during human pregnancy: effect of sulpiride and TRH administration. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):451–5

Action of thyrotropin-releasing hormone on mammotrophs and thyrotrophs. Snyder G, et al. **Am J Physiol** 1981 Oct; 241(4):E298–304

The evaluation of hypophysial response to thyrotrophin-releasing hormone (TRH) in patients affected by chronic liver disease. Fresco G, et al. **Arch E Maragliano Patol Clin** 1980;36:1–6

Thyroliberin (thyrotropin releasing hormone): antagonism of halothane and hexobarbital narcosis in mice. Comparison with pentetrazol, caffeine, d-amphetamine and adrenaline. Kruse H, et al. **Arzneimittelforsch** 1982;32(3):211–3

Thyrotropin releasing hormone rapidly enhances [32P]orthophosphate incorporation into phosphatidic acid in cloned GH3 cells. Rebecchi MJ, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):124–30

Use of potentiation of thyrotrophin releasing hormone (TRH)-induced hyperthermia as a test for screening antidepressants which activate alpha-adrenoceptor systems. Desiles M, et al. **Br J Pharmacol** 1981 Sep; 74(1):81–6

Effect of septohippocampal lesions on thyrotropin-releasing hormone antagonism of pentobarbital narcosis. Kalivas PW, et al. **Brain Res** 1981 Oct 19;222(2):253–65

Role of midbrain raphe nuclei in stress-, pentobarbital-, beta-endorphin-, or TRH-induced changes in plasma PRL levels of adult male rats. Eljarmak D, et al. **Brain Res Bull** 1982 Feb;8(2):149–54

Thyrotropin releasing hormone potentiates the effects of imipramine on brain serotonergic system. Rastogi RB, et al. **Brain Res Bull** 1981 Oct;7(4):449–51

Effects of thyrotropin releasing hormone on hypothalamic thermosensitive neurons of the rat. Salzman SK, et al. **Brain Res Bull** 1981 Sep;7(3):325–32

Prolactin response to TRH in vitiligo. Pal SK, et al. **Clin Chim Acta** 1981 Oct 8;116(1):107–9

TRH injection during labour: effect on maternal and fetal prolactin secretion. Messinis IE, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):193–8

Inverse correlation between urinary 17-hydroxycorticosteroid (17-OHCS) excretion and thyrotropin-releasing hormone (TRH)-induced thyrotropin (TSH) response in disorders of adrenocorticotropic hormone (ACTH) and adrenal secretion. Mashito T, et al. **Endocrinol Jpn** 1981 Apr; 28(2):145–9

Effect of thyrotropin-releasing hormone on rat myometrium. Tonoue T. **Endocrinol Jpn** 1981 Jun;28(3):313–20

Comparative maturation of the regulation of prolactin and thyrotropin by serotonin and thyrotropin-releasing hormone in male and female rats. Becú D, et al. **Endocrinology** 1982 Jun;110(6):1879–84

The effect of dopamine on thyrotropin-releasing hormone-induced prolactin secretion in vitro. Fagin KD, et al. **Endocrinology** 1981 Dec;109(6):1835–40

Evidence that stimulation of thyrotropin and prolactin secretion by thyrotropin-releasing hormone occur via different calcium-mediated mechanisms: studies with verapamil. Geras E, et al. **Endocrinology** 1982 Mar; 110(3):901–6

Direct effects of sex steroids on prolactin release at the anterior pituitary level: interactions with dopamine, thyrotropin-releasing hormone, and isobutylmethylxanthine. Giguère V, et al. **Endocrinology** 1982 Sep;111(3):857–62

Pituitary responses to thyrotropin-releasing hormone after treatment with the breast carcinogen nitrosomethylurea: inhibition of prolactin but not thyrotropin release. Kieffer JD, et al. **Endocrinology** 1982 Jun;110(6):1892–6

Interactions of dopamine and thyrotropin-releasing hormone in the regulation of prolactin release in lactating rats. Plotsky PM, et al. **Endocrinology** 1982 Jul;111(1):168–73

Thyrotropin-releasing hormone (TRH) selectively and rapidly stimulates phosphatidylinositol turnover in GH pituitary cells: a possible second step of TRH action. Sutton CA, et al. **Endocrinology** 1982 Apr;110(4):1273–80

Response to thyrotropin-releasing hormone (TRH) of rat lactotrophs and somatotrophs deprived of hypothalamic control. McComb DJ, et al. **Endokrinologie** 1981 Mar; 77(3):303–16

Failure of TRH and ORG 2766 hexapeptide to counteract alcoholic inebriation in man. Linnoila M, et al. **Eur J Clin Pharmacol** 1981;21(1):27–32

Thyrotropin releasing hormone improves blood pressure and survival in endotoxic shock. Holaday JW, et al. **Eur J Pharmacol** 1981 Aug 27;74(1):101–5

Plasma triiodothyronine response to thyrotropin releasing hormone, thyrotropin and propranolol in old age. Szabolcs I, et al. **Exp Gerontol** 1981;16(4):309–16

Effect of thyroliberin on the biosynthesis of poly(A)-mRNA species in GH3 cells. Direct evidences for alterations in their distribution profiles and increased synthesis of the preprolactin mRNA. Morin A, et al. **FEBS Lett** 1981 Aug 17;131(1):122–6

Stimulation by thyroliberin (TRH) of 86Rb efflux from perifused bovine anterior pituitary cells. Saith S, et al. **FEBS Lett** 1982 Apr 5;140(1):121–6

Effects of TRH, TSH, and prolactin on the release in vitro of thyroxine from thyroid glands of the red-spotted newt. Anderson SL, et al. **Gen Comp Endocrinol** 1982 Jul; 47(3):280–7

Thyrotropin-releasing hormone and thyrotropin in the control of thyroid function in the turtle, Chrysemys picta. Sawin CT, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):7–11

ACTH response to TRH and somatostatin in Nelson's syndrome. Ambrosi B, et al. **Horm Metab Res** 1982 Mar; 14(3):164

The effect of TRH, cyproheptadine and pimozide on the growth hormone response to intramuscular glucagon. Hainer V, et al. **Horm Metab Res** 1981 Aug;13(8):451–3

Thyrotropin-releasing hormone increases plasma levels of glucagon, insulin, glucose and free fatty acids in rabbits. Knudtzon J. **Horm Metab Res** 1981 Jul;13(7):371–5

Prolactin secretion response to TRH stimulation in acute and chronic schizophrenic patients under neuroleptic treatment. Cabranes JA, et al. **Int Pharmacopsychiatry** 1982;17(1):1–7

Thyrotropin-releasing hormone and cyclic AMP activate distinctive pathways of protein phosphorylation in GH pituitary cells. Drust DS, et al. **J Biol Chem** 1982 Mar 25;257(6):3306–12

Thyrotropin-releasing hormone rapidly and transiently stimulates cytosolic calcium-dependent protein phosphorylation in GH3 pituitary cells. Drust DS, et al. **J Biol Chem** 1982 Jul 10;257(13):7566–73

Evidence that thyrotropin-releasing hormone transiently decreases membrane potential in mouse pituitary thyrotropic tumor cells in culture as monitored by triphenylmethylphosphonium ion. Gershengorn MC, et al. **J Biol Chem** 1981 Dec 10;256(23):12445–8

Thyrotropin-releasing hormone causes loss of cellular calcium without calcium uptake by rat pituitary cells in culture. Studies using arsenazo III for direct measurement of calcium. Rebecchi MJ, et al. **J Biol Chem** 1982 Mar 25;257(6):2751–3

Effects of thyroliberin (TRH) on cell proliferation and prolactin secretion by GH3/B6 rat pituitary cells: a comparison between serum-free and serum-supplemented media. Brunet N, et al. **J Cell Physiol** 1981 Nov; 109(2):363–72

Human cord blood concentrations of thyrotropin, thyroglobulin, and iodothyronines after maternal administration of thyrotropin-releasing hormone. Roti E, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):813–7

Direct effects of thyrotropin-releasing hormone, cyproheptadine, and dopamine on adrenocorticotropin secretion from human corticotroph adenoma cells in vitro. Ishibashi M, et al. **J Clin Invest** 1981 Oct;68(4):1018–27

Induction of lactation: comparison of injections of estradiol-17 beta and progesterone for 7 or 21 days on prolactin response to thyrotropin releasing hormone and milk yield in dairy cattle. Head HH, et al. **J Dairy Sci** 1982 Jun;65(6):927–36

Plasma cortisol response to thyrotrophin releasing hormone and luteinizing hormone releasing hormone in healthy kennel dogs and in dogs with pituitary-dependent hyperadrenocorticism. Stolp R, et al. **J Endocrinol** 1982 Jun;93(3):365–9

Prolactin and thyrotropin secretin in alcoholic liver cirrhosis: study of the variations induced by TRH, metoclopramide and cimetidine. Monza GC, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep;25(3):71–8

Thermic and tremorogenic effects of thyroliberin (TRH) in reserpine-treated mice--the non-involvement of GABA-ergic mechanisms. Björkman S, et al. **J Pharm Pharmacol** 1981 Sep;33(9):580–5

Thyrotropin releasing hormone: centrally mediated effects on gastrointestinal motor activity. LaHann TR, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):66–70

Ultrastructural changes of the endocrine glands of rats treated with synthetic TRH or TRH-analog (DN-1417). Shirozu M, et al. **Kurume Med J** 1981;28(4):319–27

Dissociation of tolerance to the analgesic and hypothermic effects of morphine by using thyrotropin releasing hormone. Bhargava HN. **Life Sci** 1981 Sep 7; 29(10):1015–20

Effect of thyrotropin-releasing hormone on gastro-intestinal secretions in dogs. Konturek SJ, et al. **Life Sci** 1981 Nov 30;29(22):2289–98

The effect of vagotomy on the satiety effects of neuropeptides and naloxone. Morley JE, et al. **Life Sci** 1982 May 31; 30(22):1943–7

The effect of TRH and its analogues, (Pro-NH-NH2)3TRH and (2-Picolyl)1-TRH on TSH level in rat serum. Ryżewska M, et al. **Mater Med Pol** 1980 Jan-Jun; 12(1-2):136–9

Thyrotropin-releasing hormone and the menopausal hot flash. Molnar GW. **Maturitas** 1981 Aug;3(2):115–23

What does brain thyrotropin-releasing hormone do? [editorial] Prange AJ Jr, et al. **N Engl J Med** 1981 Oct 29;305(18):1089–90

Naloxone and anterior pituitary hormones: effect on TRH stimulation test. Zanoboni A, et al. **Neuroendocrinology** 1981 Sep;33(3):140–3

Comparative analysis of the sensitivity of single neurons of the central nervous system to thyrotropin-releasing hormone and its structural analog. Babichev VN, et al. **Neurosci Behav Physiol** 1981 Jul-Aug;11(4):385–8

Central respiratory stimulant effect by thyrotropin in releasing hormone in the rat. Hedner J, et al. **Neurosci Lett** 1981 Sep 25;25(3):317–20

Abnormal secretion of growth hormone in response to thyrotropin releasing hormone in ring Turner's syndrome. Iba K, et al. **Osaka City Med J** 1980;26(2):125–34

Respiratory effects of TRH in preterm rabbits. Hedner T, et al. **Pediatr Res** 1982 Jul;16(7):543–8

TRH and histidyl-proline diketopiperazine inhibit cholesterol synthesis in dog intestine. Gebhard RL, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):137–40

Comparison of TRH and anorexigenic peptide on food intake and gastrointestinal secretions. Konturek SJ, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:235–40

Effects of TRH and PS-24 on colonic temperature and motor activity of rats: possible role of dopamine. Yehuda S, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):131–5

Effects of TRH on acquisition and extinction of shuttlebox-avoidance behavior in Fischer344 rats. Tamaki Y, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):943–7

Thyrotropin-releasing hormone exerts rapid nuclear effects to increase production of the primary prolactin mRNA transcript. Potter E, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6662–6

Effects of TRH on central nervous system function. Breese GR, et al. **Prog Clin Biol Res** 1981;68:99–116 (65 ref.)

Differentiation of apomorphine from bromocriptine, piribidel and TRH by chronic administration in rats. Porreca F, et al. **Psychopharmacology (Berlin)** 1982;76(1):70–4

Jumping behavior induced by thyrotropin releasing hormone in combination with apomorphine in mice. Ushijima I, et al. **Psychopharmacology (Berlin)** 1982;76(1):1–4

Lithium in combination with haloperidol or thyrotropin-releasing hormone induces jumping in mice. Ushijima I, et al. **Psychopharmacology (Berlin)** 1982; 76(2):136–8

Thyrotropin-releasing hormone (TRH) analogues show enhanced CNS selectivity because of increased biological stability. Metcalf G, et al. **Regul Pept** 1981 Sep;2(5):277–84

Stimulation by thyrotropin-releasing hormone of vagal outflow to the thyroid gland. Tonoue T. **Regul Pept** 1982 Jan;3(1):29–39

Effect of TRH on pentagastrin-induced gastric acid secretion. Scarpignato C, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):223–33

Quality requirements of basal S-TSH assays in prediction an S-TSH response to TRH. Wide L, et al. **Scand J Clin Lab Invest [Suppl]** 1980;155:101–10

Thyrotropin-releasing hormone effects in the central nervous system: dependence on arousal state. Stanton TL, et al. **Science** 1981 Nov 6;214(4521):678–81

[The effects of thyrotropin releasing hormone (TRH) on the digestive activity (author's transl)] Qian XJ. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):171–4 **(Chi)**

[Growth hormone secretion in relation to changes in thyrotropic hormone after thyroliberin in patients with acromegaly and dopaminergic stimulation (author's transl)] Felt V, et al. **Cas Lek Cesk** 1982 Apr 23;121(16):489–93 (Eng. Abstr.) **(Cze)**

[Basal prolactinaemia and responses to TRH and to sulpiride in different categories of male sexual dysfunctions (author's transl)] Buvat J, et al. **Acta Psychiatr Belg** 1980 Jul-Aug; 80(4):487–93 (Eng. Abstr.) **(Fre)**

[Role of endoplasmic reticulum in the secretion of prolactin (author's transl)] Tougard C, et al. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4–5):342–8 (Eng. Abstr.) **(Fre)**

[Validity of radioimmunoassay for blood and pituitary prolactin in the male rat. Effect of bromocriptine and thyrotropin-releasing hormone] André M, et al. **C R Soc Biol (Paris)** 1981;175(6):792–800 (Eng. Abstr.) **(Fre)**

[Thyrotropin, prolactin, and growth-hormone responses to thyrotropin-releasing hormone in healthy subjects over eighty years (author's transl)] Shigemasa C, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):403–9 (Eng. Abstr.) **(Jpn)**

[Assessment of the function of the hypothalamo-hypophyseal axis in patients with uncontrolled liver cirrhosis. I. Effect of exogenous thyreoliberin (TRH)] Perkowicz-Szulczyk J, et al. **Pol Arch Med Wewn** 1982 Mar;67(3):65–71 (Eng. Abstr.) **(Pol)**

[Reaction of certain hypothalamic centers of rats to a single dose of thyroliberin] Krasnovskaia IA. **Biull Eksp Biol Med** 1981 Jul;92(7):88–9 (Eng. Abstr.) **(Rus)**

[Sensitivity of neurons in different regions of the brain to met-enkephalin, beta-endorphin, and thyroliberin in the rat] Mironov SF, et al. **Fiziol Zh SSSR** 1981 Aug; 67(8):1145–51 (Eng. Abstr.) **(Rus)**

[Neuroendocrine effect of thyroliberin and its analogs] Babichev VN, et al. **Probl Endokrinol (Mosk)** 1981 Jul-Aug;27(4):35–8 (Eng. Abstr.) **(Rus)**

[Involvement of serotoninergic mechanisms in the analgesic action of TRH] Alamo C, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):39–44 **(Spa)**

[Effects of cyproheptadine on the secretion and pituitary content of thyrotropin in rats] Ulloa ER, et al. **Medicina (B Aires)** 1981;41(3):333–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

TSH, HGH, HPr, and cortisol response to TRH in depressed patients. Ramseier F, et al. **Acta Psychiatr Belg** 1980 Jul-Aug;80(4):399–409

Hypothalamic peptides: central nervous system control of visceral functions. Brown M, et al. **Fed Proc** 1981 Sep; 40(11):2565–9 (32 ref.)

Evidence for the involvement of hypothalamic dopamine and thyrotrophin-releasing hormone in suckling-induced release of prolactin. de Greef WJ, et al. **J Endocrinol** 1981 Nov;91(2):213–23

Centrally administered thyrotropin-releasing hormone (TRH) stimulates colonic transit and diarrhea production by a vagally mediated serotonergic mechanism in the rabbit. Horita A, et al. **J Pharmacol Exp Ther** 1982 Aug; 222(2):367–71

Histidyl-proline diketopiperazine: its biological role as a regulatory peptide. Peterkofsky A, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):45–63 (75 ref.)

What does brain thyrotropin-releasing hormone do? [editorial] Prange AJ Jr, et al. **N Engl J Med** 1981 Oct 29;305(18):1089–90

Spinal injury and thyrotrophin-releasing hormone [editorial] **S Afr Med J** 1981 Dec 12;60(24):917–8

[TRH, its function and receptor] Saito S, et al. **Nippon Rinsho** 1981 Sep;39(9):2921–7 (45 ref.) **(Jpn)**

[Biogenic amines and thyrotropin-releasing hormone (TRH) (author's transl)] Narumi S, et al. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1702–7 (29 ref.) **(Jpn)**

[Sensitivity of hypothalamic neurons to beta-endomorphin, met-enkephalin, and thyroliberin] Babichev VN, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):33–5 (Eng. Abstr.) **(Rus)**

SECRETION

Regulation of thyrotropin-releasing hormone secretion from frog skin. Bolaffi JL, et al. **Endocrinology** 1982 Mar; 110(3):842–6

Thyrotropin-releasing hormone in the pancreas and brain of the rat is regulated by central noradrenergic and dopaminergic pathways. Engler D, et al. **J Clin Invest** 1982 Jun;69(6):1310–20

Hypothalamic secretion of thyrotrophin releasing hormone is decreased in male Japanese quail exposed to long daily photoperiods. Almeida OF. **J Endocrinol** 1982 Feb; 92(2):261–5

Calcium dependency of potassium-stimulated thyrotropin-releasing hormone secretion from rat neurohypophysis in vitro. Lackoff A, et al. **Neurosci Lett** 1981 Dec 11;27(2):177–81

THERAPEUTIC USE

Thyrotropin-releasing hormone suppressed gastric acid output in patients with Zollinger-Ellison syndrome and systemic mastocytosis. Hutton SW, et al. **Am J Med** 1981 Dec;71(6):957–60

Thyrotropic hormone and psychiatric symptoms. Beumont PJ, et al. **Biol Psychiatry** 1981 Jul;16(7):671–7

Thyrotropin-releasing hormone improves neurologic recovery after spinal trauma in cats. Faden AI, et al. **N Engl J Med** 1981 Oct 29;305(18):1063–7

Thyrotropin-releasing hormone for spinal trauma [letter] Hall ED, et al. **N Engl J Med** 1982 Feb 18;306(7):429–30

[A case of Cockayne syndrome with cerebellar ataxia improved after TRH therapy (author's transl)] Naito H. **Horumon To Rinsho** 1982 Mar;30(3):261–6 **(Jpn)**

[Use of thyroliberin and parlodel in acromegaly] Pronin VS. **Vestn Akad Med Nauk SSSR** 1981;(6):71–4 (Eng. Abstr.) **(Rus)**

URINE

High pressure liquid chromatography purification of human urinary samples for thyrotropin-releasing hormone radioimmunoassay. Leppäluoto J, et al. **J Clin Endocrinol Metab** 1982 May;54(5):914–8

THYROXINE

Sudden death associated with thyroid hormone abuse. Bhasin S, et al. **Am J Med** 1981 Nov;71(5):887–90

Altered myosin isozyme patterns from pressure-overloaded and thyrotoxic hypertrophied rabbit hearts. Litten RZ 3d, et al. **Circ Res** 1982 Jun;50(6):856–64

Conformational effects of ether bridge substitution in thyroid hormone analogues. Cody V. **Endocr Res Commun** 1982; 9(1):55–65

ADMINISTRATION & DOSAGE

Assessment of optimal L-thyroxine replacement dose by the TRH test. Squire CR, et al. **Ann Clin Biochem** 1982 Jan; 19(Pt 1):26–8

Replacement doses of levothyroxine [letter] Glinoer D. **Ann Intern Med** 1982 May;96(5):682–3

Levothyroxine replacement dose for primary hypothyroidism decreases with age. Rosenbaum RL, et al. **Ann Intern Med** 1982 Jan;96(1):53–5

Thyroid metabolism in the elderly [letter] Barzel US. **Hosp Pract** 1982 Mar;17(3):13, 16

Thyroxine only on Sundays [letter] Belton CH. **NZ Med J** 1981 Dec 23;94(698):470

A new treatment for psoriasis [letter] Pelkowitz D. **S Afr Med J** 1981 Nov 21;60(21):804

Prophylaxis of recurrent goiter by high-dose L-thyroxine. Goretzki P, et al. **World J Surg** 1981 Nov;5(6):855-7

ADVERSE EFFECTS

Myxedema coma and cardiac arrest [letter] Georgitis WJ, et al. **JAMA** 1982 Feb 19;247(7):980

ANALOGS & DERIVATIVES

Rate of LCAT-mediated cholesterol esterification and serum lipids during etiroxate therapy in hyperlipoproteinemia. Dobiášová M, et al. **Atherosclerosis** 1982 Apr; 42(2-3):251-61

Conformational effects of ether bridge substitution in thyroid hormone analogues. Cody V. **Endocr Res Commun** 1982; 9(1):55-65

High affinity of triiodothyronine (T3) for nonphenolic ring deiodinase and high affinity of tetraiodothyroacetic acid (TETRAC) for phenolic ring deiodinase in cultured monkey hepatocarcinoma cells and in rat liver homogenates. Sorimachi K, et al. **Endocrinol Jpn** 1981 Dec; 28(6):775-83

'Unbound-analogue' methods for free T4: a note of caution [letter] Stockigt JR, et al. **N Engl J Med** 1982 Jul 8; 307(2):126

[Etiroxate treatment for hyperlipoproteinaemia type IIa and IIb (author's transl)] Zadák Z, et al. **Cas Lek Cesk** 1982 May 14;121(19):593-5 (Eng. Abstr.) **(Cze)**

ANALYSIS

The presence of a high concentration of thyroxine in thyroid epithelial cells. Kawada J, et al.
Acta Endocrinol (Copenh) 1982 Jul;100(3):393-7

Simultaneous detection of thyroglobulin (Tg), thyroxine (T4), and Triiodothyronine (T3) in nontoxic thyroid tumors by the immunoperoxidase method. Kawaoi A, et al.
Am J Pathol 1982 Jul;108(1):39-49

Identification of iodotyrosines and some iodothyronines as dimethylaminoazobenzenethiohydantoin derivatives. Application to the sequencing of iodoamino acid containing peptides. Marriq C, et al. **Anal Biochem** 1981 Sep 1; 116(1):89-92

Analytical artifacts in radioimmunoassay of L-thyroxin in human milk. Mallol J, et al. **Clin Chem** 1982 Jun; 28(6):1277-82

Radioimmunoassay of thyroxine and 3,3',5'-triiodothyronine (reverse T3) in human amniotic fluid. Cooper E, et al.
Clin Chim Acta 1982 Jan 5;118(1):57-66

Thyroglobulin structure-function. Isolation and characterization of a thyroxine-containing polypeptide from bovine thyroglobulin. Chernoff SB, et al.
J Biol Chem 1981 Sep 25;256(18):9425-30

Clinical evaluation of a thyroxine-binding globulin assay in calculating a free-thyroxine index. Szpunar WE, et al.
J Nucl Med 1981 Sep;22(9):793-5

External quality control for T3 and T4 assays in Italy: outline of the scheme and results of the first semester experience. Pilo A, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep; 25(3):107-18

Membrane immunoassay: a spin membrane immunoassay for thyroxine. Tan CT, et al. **Methods Enzymol** 1981;74 Pt C:152-61

Digoxin-like immunoreactivity of certain steroid and other hormones. Schreiber V, et al. **Physiol Bohemoslov** 1981; 30(6):569-71

[Immunofluorescent observation of T4 in endemic goiter tissue (author's transl)] Huang ZY.
Chung Hua Nei Ko Tsa Chih 1982 Apr;21(4):211-3 **(Chi)**

[Assay of protein and thyroid hormone concentrations in hemofiltrate (author's transl)] Beyer HK, et al.
Nuklearmedizin 1982 Feb;21(1):42-5 (Eng. Abstr.) **(Ger)**

[Nature of the intracellular thyroid hormone receptor] Azimova ShS, et al. **Probl Endokrinol (Mosk)** 1982 May-Jun;28(3):65-8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Preferential inhibition of thyroxine and 3,5,3'-triiodothyronine formation by propylthiouracil and methylmercaptoimidazole in thyroid peroxidase-catalyzed iodination of thyroglobulin. Engler H, et al.
Endocrinology 1982 Jan;110(1):190-7

Production of thyroxine (T4) and triiodothyronine (T3) in nontoxic thyroid tumors. An immunohistochemical study. Kawaoi A, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):249-57

BLOOD

Iodothyronines and thyrotrophin in serum after jejunoileostomy with 3:1 or 1:3 jejunoileal ratio. Sørensen TI, et al. **Acta Chir Scand** 1981;147(3):205-7

Familial elevations of total and free thyroxine in healthy, euthyroid subjects without detectable binding protein abnormalities. Maxon HR, et al.
Acta Endocrinol (Copenh) 1982 Jun;100(2):224-30

Male fertility and thyroid hormones. Abbaticchio G, et al.
Acta Eur Fertil 1981 Sep;12(3):255-60 **(Eng, Ita)**

Plasma corticosterone, thyroxine and triiodothyronine level in the collared dove (Streptopelia decaocto) during the reproductive cycle. Péczely P, et al.
Acta Physiol Acad Sci Hung 1980;56(4):421-30

Incidence of hypothyroidism after 131I therapy for hyperthyroidism. Relation to pretherapy serum levels of T3, T4 and thyroid antibodies. Lundell G, et al.
Acta Radiol [Oncol] 1981;20(4):225-30

Plasma thyroxine in the sow during pregnancy and lactation and during resumption of ovarian activity after weaning. Benjaminsen E. **Acta Vet Scand** 1981;22(3-4):369-81

Euthyroid familial hyperthyroxinemia due to abnormal thyroid hormone-binding protein. Borst GC, et al.
Am J Med 1982 Aug;73(2):283-9

Hyperthyroxinemia in patients with acute psychiatric disorders. Spratt DI, et al. **Am J Med** 1982 Jul;73(1):41-8

Four clinical chemistry analyses for pediatric patients: glycosylated hemoglobin, free bilirubin, sweat electrolytes, neonatal thyroxine. Randolph VS. **Am J Med Technol** 1982 Jan;48(1):15-22 (87 ref.)

Serum thyroxine and triiodothyronine concentrations in neonatal foals and mature horses. Chen CL, et al.
Am J Vet Res 1981 Aug;42(8):1415-7

The T4:TBG ratio: a re-evaluation with particular reference to low and high serum TBG levels. Attwood EC, et al.
Ann Clin Biochem 1982 Mar;19(Pt 2):101-3

Total over free thyroxine ratio: prediction of thyroxine binding globulin. Bakker AJ, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):94-100

EMIT thyroxine assays on an LKB 2086 reaction rate analyser. Hobbs DR, et al. **Ann Clin Biochem** 1981 Sep; 18(Pt 5):314

Value of the determination of 'true' free thyroxine in screening the newborn with possible congenital TBG-deficiency for congenital hypothyroidism. Looyé A, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):361-3

Thyroxine radioimmunoassay for population surveys using dried blood: modifications of a highly sensitive method. Obregón MJ. **Ann Clin Biochem** 1982 Jan;19(Pt 1):29-34

A comparative study of free thyroxine estimations. Ross HA, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):108-13

Comparison of Amerlex, NML, and Ames total thyroxine and triiodothyronine radioimmunoassay kits. Wilke TJ, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):104-7

Characterization of an automated radioimmunoassay for T4, T3, T3 U, and FTI. Valdes R Jr, et al.
Ann Clin Lab Sci 1982 Jan-Feb;12(1):42-50

Familial hyperthyroxinemia due to abnormal thyroid hormone binding. Silverberg JD, et al. **Ann Intern Med** 1982 Feb;96(2):183-6

Familial thyroxine-excess syndrome [letter] Stockigt JR, et al. **Ann Intern Med** 1982 Jul;97(1):143-4

Plasma levels of thyroxine and triiodothyronine in women with breast cancer. Zumoff B, et al. **Anticancer Res** 1981; 1(5):287-91

T3 uptake tests in newborn infants [letter] Jacobsen BB. **Arch Dis Child** 1981 Oct;56(10):814-5

Synergistic effects of diet, thyroxine and glucocorticoid hormones on amylase activity in parotid glands of growing rats. Kumegawa M, et al. **Arch Oral Biol** 1981;26(7):631-3

Aspects of the interaction of thyroxine and its binding serum proteins with 1,4-benzodiazepine tranquillizers. El-Hazmi MA. **Biochem Med** 1981 Oct;26(2):191-8

Hormonal status in the newborn lamb (cortisol, T3, T4). Relationships to the birth weight and the length of gestation: effect of the litter size. Cabello G, et al.
Biol Neonate 1981;39(3-4):208-16

Sequential observation of changes in thyroxine, triiodothyronine and reverse triiodothyronine during the postnatal adaptation of the pig. Slebodziński AB, et al.
Biol Neonate 1981;39(3-4):191-9

Thyroid function and physical activity. A preliminary communication. Adler J, et al. **Br J Sports Med** 1981 Dec; 15(4):261-4

Disappearance rate of endogenously radioiodinated thyroglobulin and thyroxine after radioiodine treatment. Jeevanram RK, et al. **Cancer** 1982 Jun 1;49(11):2281-4

Evaluation and comparison of radio-, fluorescence, and enzyme-linked immunoassays for serum thyroxine. Kaplan LA, et al. **Clin Biochem** 1981 Aug;14(4):182-6

Simultaneous enzyme immunoassay of two thyroid hormones. Blake C, et al. **Clin Chem** 1982 Jul;28(7):1469-73

Contradictory findings in the measurement of free thyroxin after administration of heparin [letter] Boss M, et al.
Clin Chem 1982 May;28(5):1238-9

An equilibrium free thyroxin immunoassay [letter] Hertl W, et al. **Clin Chem** 1982 Jul;28(7):1709-10

Enzyme immunoassay of thyroxin with a centrifugal analyzer. Izquierdo JM, et al. **Clin Chem** 1982 Jan; 28(1):123-5

Effect of anti-thyroxin autoantibodies on radioimmunoassay of free thyroxin in serum. Konishi J, et al. **Clin Chem** 1982 Jun;28(6):1389-91

Evaluation of free thyroxin measurements in patients with non-thyroidal illnesses. Lawlor JF, et al. **Clin Chem** 1981 Aug;27(8):1457-9

Free thyroxine: a comparison of direct and indirect methods and their diagnostic usefulness in nonthyroidal illness [letter] Lehotay DC, et al. **Clin Chem** 1982 Aug; 28(8):1826-9

Heparin in vivo effect on free thyroxin [letter] Lundberg P, et al. **Clin Chem** 1982 May;28(5):1241-2

Radioimmunoassay of 'free thyroxin' in dried blood spots on filter paper - preliminary observations on the effective differentiation of subjects with congenital hypothyroidism from those with subnormal thyroxin-binding globulin and normal subjects. Mizuta H, et al. **Clin Chem** 1982 Mar; 28(3):505-8

Free thyroxin in thyroid disease [letter] Mullinger RN, et al. **Clin Chem** 1982 Jun;28(6):1394-5

Influence of erythrocyte iodothyronine-binding proteins on radioimmunoassay of thyroxin in dried blood spots. Sadler WA, et al. **Clin Chem** 1982 Jan;28(1):63-8

Effectiveness of analysis of free thyroxin concentration in serum for diagnosis of covert thyroid disease. Symons RG, et al. **Clin Chem** 1982 Feb;28(2):266-70

Recycling immobilized antibodies [letter] van den Akker CR, et al. **Clin Chem** 1981 Nov;27(11):1954-5

Enzyme immunoassay for free thyroxin. Weetall HH, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):666-71

Evaluation of a new free-thyroxin assay. Wellby ML, et al. **Clin Chem** 1981 Dec;27(12):2022-4

Enzyme immunoassay for thyroxine and triiodothyronine in human serum, with use of a covalent chromatographic separation method. Yamamoto R, et al. **Clin Chem** 1981 Oct;27(10):1721-3

Free thyroxine by solid phase radioimmunoassay: improvement in the laboratory diagnosis of thyroid status in severely ill patients. Bayer MF, et al.
Clin Chim Acta 1982 Feb 5;118(2-3):209-18

Covalent linkage of antisera to microparticulate cellulose using 1,1'-carbonyldiimidazole: a rapid, practical method with potential use in solid-phase immunoassay. Chapman RS, et al. **Clin Chim Acta** 1982 Jan 5;118(1):129-34

The influence of carbamazepine on thyroid hormones and thyroxine binding globulin in hypothyroid patients substituted with thyroxine. Aanderud S, et al.
Clin Endocrinol (Oxf) 1981 Sep;15(3):247-52

Studies of thyroid hormone and methimazole levels in patients with Graves' disease on a standardized anti-thyroid drug regimen. Dahlberg PA, et al.
Clin Endocrinol (Oxf) 1981 Jun;14(6):555-62

Inherited thyroxine excess: a serum abnormality due to an increased affinity for modified albumin. Docter R, et al.
Clin Endocrinol (Oxf) 1981 Oct;15(4):363-71

An improved method for the radioimmunoassay of free-thyroxine in serum dialysates. Giles AF.
Clin Endocrinol (Oxf) 1982 Jan;16(1):101-5

Relationship of altered thyroid hormone indices to survival in nonthyroidal illnesses. Kaptein EM, et al.
Clin Endocrinol (Oxf) 1982 Jun;16(6):565-74

Limitations of a new free thyroxine assay (Amerlex free T4). Stockigt JR, et al. **Clin Endocrinol (Oxf)** 1981 Sep; 15(3):313-8

Associations between sex hormones, thyroid hormones and lipoproteins. Heller RF, et al. **Clin Sci** 1981 Nov; 61(5):649-51

Chronic exposure to short photoperiod inhibits free thyroxine index and plasma levels of TSH, T4, triiodothyronine (T3) and cholesterol in female Syrian hamsters. Vaughan MK, et al. **Comp Biochem Physiol [A]** 1982;71(4):615-8

Total blood thyroxine and TSH levels in the newborns of an endemic goiter area in Romania. Constantinescu A, et al. **Endocrinologie** 1981 Jul-Sep;19(3):189-94 (24 ref.)

Methodological aspects concerning radio-immunoassay of blood thyroxine applicable to population screening. Constantinescu A, et al. **Endocrinologie** 1981 Jan-Mar; 19(1):45-51

TSH and thyroxine in cord blood of subjects from an endemic area. Constantinescu A, et al. **Endocrinologie** 1982 Jan-Mar; 20(1):17-23

Pattern of thyrotropin and thyroxine plasma concentrations during the 24-hour sleep-wake cycle in the male rhesus monkey. Giannella-Neto D, et al. **Endocrinology** 1981 Dec; 109(6):2144-51

Diurnal variations of plasma thyrotropin, thyroxine, and triiodothyronine in female rats are phase shifted after inversion of the photoperiod. Ottenweller JE, et al.
Endocrinology 1982 Aug;111(2):509-14

Serum thyroid hormones in two Yugoslav districts with different iodine intake. Banovac K, et al. **Endokrinologie** 1981 Mar;77(3):377-8

Consequences of neonatal combined hormone (oxytocin + TSH) exposure for the adult rat. Csaba G, et al.
Endokrinologie 1982 Feb;79(1):149-51

Effects of phentolamine on serum concentrations of TSH and thyroid hormones in hemithyreoidectomized rats. Lewiński A, et al. **Endokrinologie** 1981 Dec;78(2-3):219-26

Effect of inhibitors of prostaglandin synthesis on blood serum triiodothyronine and thyroxine concentration in the rat. Słuszkiewicz E. **Endokrynol Pol** 1982;32(5):371-7

TSH, T3, rT3 and fT4 in maximal and submaximal physical exercise. Schmid P, et al. **Eur J Applied Physiol** 1982; 48(1):31-9

Serum T4, T3 and TBG concentrations during puberty in males. Sack J, et al. **Eur J Pediatr** 1982 Mar;138(2):136-7

Increased loss of thyroxine from the blood streams of newts after injection with ovine prolactin. Anderson SL, et al.
Gen Comp Endocrinol 1982 Jul;47(3):276-9

Prenatal peripheral monodeiodination in the chick embryo. Decuypere E, et al. **Gen Comp Endocrinol** 1982 May; 47(1):15-7

Effects of temperature on plasma thyroxine and iodide kinetics in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):295-307

Effect of food intake on diel variation in plasma thyroid hormone levels in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):167-74

The relationship between heat production and concentrations of plasma thyroid hormones in the domestic hen. Klandorf H, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):513–20

Plasma thyroxine and triiodothyronine levels during the development of photorefractoriness in Willow Ptarmigan (Lagopus lagopus lagopus) exposed to different photoperiods. Klandorf H, et al. **Gen Comp Endocrinol** 1982 May;47(1):64–9

Seasonal plasma T4 titers in the hibernating lizard Cnemidophorus sexlineatus. Sellers JC, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):24–8

The interaction between day length and the gonads in the regulation of levels of plasma thyroxine and triiodothyronine in the Japanese quail. Sharp PJ, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):504–12

Steroid and thyroid hormones during sexual maturation of coho salmon (Oncorhynchus kisutch) in seawater of fresh water. Sower SA, et al. **Gen Comp Endocrinol** 1982 May; 47(1):42–53

Direct and correlated responses to selection for plasma thyroxine levels in mice. Tilakaratne N, et al. **Genet Res** 1981 Oct;38(2):157–69

Immediate opposite effect of salicylate on thyroxine and 3,5,3'–triiodothyronine versus 3,3',5'–triiodothyronine level in plasma in rats. Langer P, et al. **Horm Metab Res** 1981 Oct;13(10):575–7

Partition of thyroid hormone among erythrocyte cytosol, erythrocyte membrane and human plasma binding sites. Yoshida K, et al. **Horm Metab Res** 1981 Jul;13(7):394–5

Distinctive feature of the various radioimmunoassay kits for the measurement of free thyroxine: comparison of their standard solution (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 Jan;30(1):29–34

Hyperthyroxinemia in an acute psychotic episode. Dunn JT. **Hosp Pract** 1982 Aug;17(8):199

Hormonal profiles in children with progressively worsening nutritional status. Laditan AA. **Hum Nutr Clin Nutr** 1982; 36C(1):81–6

Routine measurement of free thyroxine by a kinetic–based assay. Farrell RJ, et al. **Ir Med J** 1982 Jun;75(6):206–9

Biological detection of heterozygosity for double muscling in cattle. II. Thyroid hormone concentrations. Novakofski JE, et al. **J Anim Sci** 1981 Jun;52(6):1437–41

Simultaneous determination of D– and L–thyroxine in human serum by liquid chromatography with electrochemical detection. Hay ID, et al. **J Chromatogr** 1981 Dec 11; 226(2):383–90

Clinical evaluation of two calculation methods for a free thyroxine assay. Bakker AJ, et al. **J Clin Chem Clin Biochem** 1981 Jun;19(6):347–50

Comparison of eleven commercially available kits for the radioimmunoassay of serum thyroxine. Elvers LH, et al. **J Clin Chem Clin Biochem** 1981 Jul;19(7):453–6

Familial euthyroid thyroxine excess: characterization of abnormal intermediate affinity thyroxine binding to albumin. Barlow JW, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):244–50

Measurement of serum T4 concentration by high performance liquid chromatography. Burman KD, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):909–12

Acute effects of propylthiouracil (PTU) on thyroidal iodide organification and peripheral iodothyronine deiodination: correlation with serum PTU levels measured by radioimmunoassay. Cooper DS, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):101–7

Hyperthyroxinemia with bradycardia and normal thyrotropin secretion after chronic amiodarone administration. Melmed S, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):997–1001

Dichotomy between serum free triiodothyronine and free thyroxine concentrations in familial thyroxine–binding globulin deficiency. Smals AG, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):917–22

An increase of plasma triiodothyronine and thyroxine after administration of dexamethasone to hypothyroid patients with Hashimoto's thyroiditis. Yamada T, et al. **J Clin Endocrinol Metab** 1978 May;46(5):784–90

Serum free thyroxine and triiodothyronine concentrations in subacute thyroiditis. Yoshida K, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):185–8

Peripheral serum thyroxine, triiodothyronine and reverse triiodothyronine kinetics in the low thyroxine state of acute nonthyroidal illnesses. A noncompartmental analysis. Kaptein EM, et al. **J Clin Invest** 1982 Mar;69(3):526–35

Exophthalmos and elevated thyroxine levels in association with lithium therapy. Rabin PL, et al. **J Clin Psychiatry** 1981 Oct;42(10):398–400

Field investigations on colostrum composition and serum thyroxine, cortisol and immunoglobulin in naturally suckled dairy calves. Boyd JW, et al. **J Comp Pathol** 1981 Apr; 91(2):193–203

Post concentrations of thyroxine in plasma of dairy cows. Kesler DJ, et al. **J Dairy Sci** 1981 Jul;64(7):1618–20

Influence of age and sex on the concentrations of thyroid hormone in serum in the rat. Segal J, et al. **J Endocrinol** 1982 May;93(2):177–81

Elevated serum thyroxine concentration in patients receiving 'replacement' doses of levothyroxine. Ingbar JC, et al. **J Endocrinol Invest** 1982 Mar–Apr;5(2):77–85

Familial inappropriate TSH secretion: evidence suggesting a dissociated pituitary resistance to T3 and T4. Vandalem JL, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):413–22

Orphenadrine citrate (Norflex) mediated inhibition of thyroid function in the adult male rat. Van Herle AJ, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):141–7

Effect of endotoxin fever on plasma clearance of thyroxine and tri–iodothyronine: concise communication. Elson MK, et al. **J Nucl Med** 1982 Mar;23(3):241–4

Disparate effects of heparin on free thyroxine as measured by two radioimmunoassays: concise communication. McDougall IR, et al. **J Nucl Med** 1982 Jun;23(6):507–10

Free thyroxine RIA concentration (gammacoat) is spuriously elevated in blood collected in silicon–coated vacutainer tubes [letter] Rajatanavian R, et al. **J Nucl Med** 1982 Aug; 23(8):751–2

Free thyroxine measurements in euthyroid patients with low or high T3 uptakes [letter] Szpunar WE, et al. **J Nucl Med** 1982 Jun;23(6):550

Problems in screening for congenital hypothyroidism using thyroxine assays from small dried blood discs. Walfish PG, et al. **J Nucl Med** 1981 Sep;22(9):818–23

A new immunoradiometric method for the determination of thyroxine and triiodothyronine in free cells. Notario A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):1–7

Thyroxine and triiodothyronine equilibrium in human normal and leukemic leukocytes. Notario A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):9–14

Oxygen consumption and thyroid hormones in germfree mice fed glucose–amino acid liquid diet. Wostmann BS, et al. **J Nutr** 1982 Mar;112(3):552–9

Serum free thyroxine values in term, premature, and sick infants. Wilson DM, et al. **J Pediatr** 1982 Jul;101(1):113–7

The effects of acute exercise on the level of blood serum tri–iodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in the aging male. Métivier G, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):371–6

Free thyroxine levels in critically ill patients [letter] Buehler RJ, et al. **JAMA** 1982 Aug 20;248(7):828–9

Free thyroxine levels in critically ill patients. A comparison of currently available assays. Slag MF, et al. **JAMA** 1981 Dec 11;246(23):2702–6

Evaluation of thyroid status [letter] Zweig MH. **JAMA** 1982 Apr 23;247(16):2231–2

Response of thyroxine and triiodothyronine to thyroid–stimulating hormone in adult female baboons (Papio cynocephalus). Maul DH, et al. **Lab Anim Sci** 1982 Jun;32(3):267–8

Future of the free thyroxine index [letter] **Lancet** 1981 Oct 24;2(8252):927

Hyperthyroxinaemia: does it mean hyperthyroidism? [editorial] **Lancet** 1982 Jun 5;1(8284):1286

Interpretation of free thyroxine radioimmunoassay data [letter] Amino N, et al. **Lancet** 1982 Jun 5;1(8284):1300

Free thyroxine index [letter] Clark F, et al. **Lancet** 1981 Dec 12;2(8259):1351–2

Free thyroxine assays and protein binding [letter] Gimlette TM, et al. **Lancet** 1982 Jul 17;2(8290):156

A reappraisal of the free thyroxine index. Goldie DJ, et al. **Lancet** 1981 Sep 12;2(8246):572–3

Effect of heparin in vivo on apparent serum free thyroxine [letter] Lundberg PA, et al. **Lancet** 1982 May 29; 1(8283):1255

Artifactual reduction in circulating free thyroxine concentration by radioimmunoassay [letter] Mardell R, et al. **Lancet** 1982 Apr 24;1(8278):973–4

Hyperthyroxinaemia: does it mean hyperthyroidism? [letter] Mardell R. **Lancet** 1982 Jul 3;2(8288):52

Interpretation of free thyroxine radioimmunoassay data [letter] Wilkins TA, et al. **Lancet** 1982 Aug 7;2(8293):324

Interactions of iron deficiency, anemia, and thyroid hormone levels in response of rats to cold exposure. Beard J, et al. **Life Sci** 1982 Feb 15–22;30(7–8):691–7

Assay of free thyroxine in serum: a preliminary comparison of three commercial kits. Tuttlebee JW. **Med Lab Sci** 1981 Mar;38(2):85–90

Chemiluminescence immunoassay for serum thyroxine. Schroeder HR. **Methods Enzymol** 1982;84 Pt D:303–17

Radioimmunoassay of thyroxine (T4), 3,5,3'–triiodothyronine (T3), 3,3',5'–triiodothyronine (reverse T3, rT3), and 3,3'–diiodothyronine (T2). Wiersinga WM, et al. **Methods Enzymol** 1982;84 Pt D:272–303 (89 ref.)

Familial euthyroid hyperthyroxinemia resulting from increased thyroxine binding to thyroxine–binding prealbumin. Moses AC, et al. **N Engl J Med** 1982 Apr 22;306(16):966–9

Familial dysalbuminemic hyperthyroxinemia: a syndrome that can be confused with thyrotoxicosis. Ruiz M, et al. **N Engl J Med** 1982 Mar 18;306(11):635–9

Differences between familial hyperthyroxinemic syndromes [letter] Stockigt JR, et al. **N Engl J Med** 1982 Sep 23; 307(13):824–5

'Unbound–analogue' methods for free T4: a note of caution [letter] Stockigt JR, et al. **N Engl J Med** 1982 Jul 8; 307(2):126

Thyroid hormone concentrations in dialysate during hemodialysis in children. Waters W, et al. **Nuklearmedizin** 1981 Dec;20(6):272–3

Significance of transient postnatal hypothyroxinemia in premature infants with and without respiratory distress syndrome. Hadeed AJ, et al. **Pediatrics** 1981 Oct; 68(4):494–8

Posthatch growth and development of a circadian rhythm for thyroid hormones in chicks incubated at different temperatures. Kühn ER, et al. **Poult Sci** 1982 Mar; 61(3):540–9

Effect of high ambient temperature (35 degrees), and feed intake on plasma T4 levels in sheep. Valtorta S, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):260–5

Free thyroxine or free thyroxine index? Miller JL, et al. **S Afr Med J** 1982 Jun 12;61(24):921–2

Free thyroxine, thyroxine/TBG ratio and other in vitro tests of thyroid function evaluated by discriminant analysis. Rootwelt K, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):483–91

Catecholamine–thyroid hormone interactions: II. Thyroid hormone and platelet MAO activity in patients with thyroid disorders. Young JG, et al. **Schizophr Bull** 1982; 8(2):301–5

Catecholamine–thyroid hormone interactions: III. Serum DBH activity and thyroxine in euthyroid subjects. Young JG, et al. **Schizophr Bull** 1982;8(2):306–9

Catecholamine–thyroid hormone interactions: I. Thyroid hormone and platelet MAO activity in psychiatrically disturbed children. Young JG, et al. **Schizophr Bull** 1982; 8(2):297–300

Serum thyroxine, triiodothyronine, reverse triiodothyronine, thyroid stimulating hormone, thyroxine binding globulin and thyroxine binding pre–albumin concentrations in healthy African adults. Osotimehin B, et al. **Trop Geogr Med** 1981 Sep;33(3):281–6

[The use of competitive protein binding assay method for determining the amount of thyroxine (T4) in umbilical blood (author's transl)] Chen HZ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):108–9 **(Chi)**

[Determination of serum thyroxine T4 in normal subjects and pregnant women (author's transl)] Wu LW. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):229–32 **(Chi)**

[Plasma T4: adaptation of a commercial radioimmunoassay for use in dogs] Garnier F, et al. **Ann Biol Clin (Paris)** 1981;39(6):369–70 **(Fre)**

[Familial partial resistance to thyroid hormones. A report on one case (author's transl)] Krzentowski G, et al. **Ann Endocrinol (Paris)** 1981 Dec;42(6):541–2 (Eng. Abstr.) **(Fre)**

[Low serum thyroxin and thyroxin–binding globulin in neonatal respiratory distress (author's transl)] Gendrel D, et al. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):401–3 (Eng. Abstr.) **(Fre)**

[Circulating thyroid hormones in non–thyroid diseases] Linquette M, et al. **Bull Acad Natl Med (Paris)** 1981 Oct; 165(7):961–6 (Eng. Abstr.) **(Fre)**

[Nycthemeral variations of thyroxine levels in the quail: effect of ambient temperature] Herbuté S, et al. **C R Soc Biol (Paris)** 1981;175(4):485–9 (Eng. Abstr.) **(Fre)**

[Radioimmunoassay of thyroxine in dried blood samples] Schoos R, et al. **J Genet Hum** 1981 Mar;29(1):39–45 **(Fre)**

[Study of thyroid function by radiochemical and radioimmunological technique (author's transl)] Meunier JC, et al. **Rev Med Brux** 1981 Oct;2(8):719–30 (Eng. Abstr.) **(Fre)**

[Determination of serum T4 content in turkeys by the 'Enzyme Multiplied Immunoassay' (EMIT)] Amer HA, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 1; 94(17):339–40 (Eng. Abstr.) **(Ger)**

[Effect of hormonal bursectomy on the serum T4 level in turkey poults (Meleagris gallopavo var. domesticus)?] Hafez HM, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 15;94(18):354–5 **(Ger)**

[Simultaneous thyroxin determination in thyrotropin (TSH) screening for congenital hypothyroidism (author's transl)] Sander J, et al. **Dtsch Med Wochenschr** 1982 Jan 29; 107(4):138–42 (Eng. Abstr.) **(Ger)**

[Effects of pentobarbital on feed intake, daily growth and blood concentrations of insulin, thyroxine, glucose and cholesterol in young calves (author's transl)] Kleczkowski M, et al. **DTW** 1981 Oct 5;88(10):422–4 (Eng. Abstr.) **(Ger)**

[T3, T4, TSH and circulating antithyroglobulin antibodies in myasthenia gravis] Kiessling WR, et al. **Endokrinologie** 1981 Oct;78(1):67–72 (Eng. Abstr.) **(Ger)**

[Study of the concentration of triiodothyronine, thyroxine and thyreotropin in blood serum of euthyroid children (author's transl)] Liappis N, et al. **Klin Padiatr** 1981 Sep; 193(5):378–81 (Eng. Abstr.) **(Ger)**

[Assessment of the loss of thyroid hormone during hemodialysis by administration of a hormone tracer in an in vitro experiment (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):294–8 (Eng. Abstr.) **(Ger)**

[Determination of the concentration of thyroid hormones in dialysate and assessment of the loss of thyroid hormone during hemodialysis (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):288–93 (Eng. Abstr.) **(Ger)**

[Amerlex FT4–RIA--A new investigative principle: description, evaluation and comparison with the Dow–Lepetit FT4–RIA test (author's transl)] Beyer HK. **Nuklearmedizin** 1982 Apr;21(2):72–8 **(Ger)**

[Direct determination of free thyroxine in two simultaneous radioimmunoassays with different test principles: validity of test research derived from an area of marked iodine deficiency (author's transl)] Lohkamp F, et al. **Nuklearmedizin** 1982 Feb;21(1):30–5 (Eng. Abstr.) **(Ger)**

[Determination of serum free thyroxine: normal range, relation to the free thyroxine ratio and total thyroxine (author's transl)] Passath A, et al. **Nuklearmedizin** 1981 Aug;20(4):198–203 (Eng. Abstr.) **(Ger)**

[Improved thyroid diagnosis in borderline hyperthyroidism by determination of free T3 index] Müller-Brand J, et al. **Schweiz Med Wochenschr** 1980 Dec 20;110(51):1976–9 (Eng. Abstr.) **(Ger)**

[Behavior of triiodothyronine, tetraiodothyronine and thyrotropin during the TRH test] Strollo F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2417–23 (Eng. Abstr.) **(Ita)**

[Measurement of thyroxine-binding index by enzyme-linked immunosorbent assay (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 May;30(5):499–504 **(Jpn)**

[Basic and clinical evaluation of the method of free thyroxine levels in serum with radioimmunoassay: gammacoat F-T4 RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1981 Jul;29(7):867–72 **(Jpn)**

[TBG abnormality and free thyroxine (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):149–55 **(Jpn)**

[Measurement of serum thyroxine concentration by enzyme-linked immunosorbent assay (author's transl)] Ban Y. **Horumon To Rinsho** 1982 Mar;30(3):301–5 **(Jpn)**

[The basic evaluation of SPAC T4 RIA kit for the measurement of serum T4 (author's transl)] Fujikawa H. **Horumon To Rinsho** 1981 Jun;29(6):729–33 **(Jpn)**

[Detection of T4 by Tetrabead-125 kit (author's transl)] Hayakawa S, et al. **Horumon To Rinsho** 1981 Nov; 29(11):1417–21 **(Jpn)**

[Studies on the measurement on serum thyroxine with immophase total T4 RIA kit (author's transl)] Imazeki K, et al. **Horumon To Rinsho** 1981 Jul;29(7):863–5 **(Jpn)**

[Determination of free thyroxine: problems of equilibrium dialysis method (author's transl)] Inada M. **Horumon To Rinsho** 1982 Jan;30(1):5–7 **(Jpn)**

[Fundamental and clinical evaluation of serum free thyroxine radioimmunoassay with microencapsulated antibody in children (author's transl)] Inomata H, et al. **Horumon To Rinsho** 1982 May;30(5):493–8 **(Jpn)**

[Clinical evaluation of serum free T4 in patients with low Ts syndrome and pregnant patients with thyroid diseases (author's transl)] Izumi M, et al. **Horumon To Rinsho** 1982 Jan;30(1):35–8 **(Jpn)**

[Determination of free thyroxine in serum by anti T4 microcapsules (author's transl)] Kanao K. **Horumon To Rinsho** 1981 Jun;29(6):711–7 **(Jpn)**

[Clinical evaluation of free thyroxine RIA kit (CIS) (author's transl)] Kanma N, et al. **Horumon To Rinsho** 1982 Jan; 30(1):107–10 **(Jpn)**

[Measurement of serum total T4 concentration by IMMO PHASE T4 RIA kit (author's transl)] Kitaoka H. **Horumon To Rinsho** 1981 Jun;29(6):735–40 **(Jpn)**

[Clinical studies on radioimmunoassay of free thyroxine (author's transl)] Konishi J, et al. **Horumon To Rinsho** 1982 Jan;30(1):15–20 **(Jpn)**

[Basic and clinical evaluation of the method of free thyroxine levels in serum with radioimmunoassay (author's transl)] Masuoka T, et al. **Horumon To Rinsho** 1981 Aug; 29(8):1025–9 **(Jpn)**

[Introduction to the clinical evaluation of serum free thyroxine (author's transl)] Nagataki S. **Horumon To Rinsho** 1982 Jan;30(1):1–4 **(Jpn)**

[Thyroxine-binding in various free thyroxine radioimmunoassays (author's transl)] Nakagawa T, et al. **Horumon To Rinsho** 1982 Jan;30(1):9–13 **(Jpn)**

[Fundamental and clinical evaluation of free thyroxine RIA kit (CIS) (author's transl)] Nemoto Y, et al. **Horumon To Rinsho** 1981 Nov;29(11):1429–32 **(Jpn)**

[An assessment of measurement of serum free thyroxine using IMMO PHASE FT4 RIA kit (Corning) (author's transl)] Sasaki Y, et al. **Horumon To Rinsho** 1982 Jan;30(1):95–100 **(Jpn)**

[Free thyroxine estimation by the radioimmunoassay for T4 and TBG (author's transl)] Shishiba Y, et al. **Horumon To Rinsho** 1982 Jan;30(1):39–44 **(Jpn)**

[Methods for the measurement of free thyroid hormones (author's transl)] Suzuki H, et al. **Horumon To Rinsho** 1982 Jan;30(1):23–7 **(Jpn)**

[Reciprocal changes in serum TBG and T4 in hyperthyroidism treated with PTU and iodide (author's transl)] Suzuki H, et al. **Horumon To Rinsho** 1982 Feb; 30(2):135–8 **(Jpn)**

[Free thyroxine estimation by the radioimmunassay for T4 and TBG (author's transl)] Umezu Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):127–9 **(Jpn)**

[Measurement of free thyroxine in serum using 'SPAC-T4' RIA kit (author's transl)] Usami H, et al. **Horumon To Rinsho** 1981 Sep;29(9):1167–72 **(Jpn)**

[An assessment of measuring serum free thyroxine with a RIA kit utilizing prebound anti-T4 microcapsules (Damon) (author's transl)] Asatsu M, et al. **Kaku Igaku** 1981 Dec; 18(10):1497–505 **(Jpn)**

[Measurement of free thyroxine concentration employing sold-supported anti-T4 antibody (author's transl)] Azukizawa M, et al. **Kaku Igaku** 1982 Feb;19(1):131–8 **(Jpn)**

[Evaluation of a free thyroxine RIA kit (Amerlex) (author's transl)] Bito S, et al. **Kaku Igaku** 1982 Feb;19(1):149–56 **(Jpn)**

[Determination of Serum 'free T4' by GammaCoat Total/Free T4 Radioimmunoassay Kits-principle of the assay and comparative studies with equilibrium dialysis and free T4 index] Hamada S, et al. **Kaku Igaku** 1981 May; 18(4):521–31 **(Jpn)**

[Measurement of serum T3 and T4 by solid phase radioimmunoassay using latex particle (author's transl)] Iio A, et al. **Kaku Igaku** 1981 Apr;18(3):345–51 **(Jpn)**

[Radioimmunoassay of free thyroxine with microencapsulated anti-T4 specific antibody (author's transl)] Kasagi K, et al. **Kaku Igaku** 1981 Aug;18(7):973–83 **(Jpn)**

[Measurement of free thyroxine in serum with IMMO PHASE free T4 RIA kit (author's transl)] Kitaoka H, et al. **Kaku Igaku** 1981 Apr;18(3):361–70 **(Jpn)**

[Solid phase radioimmunoassay of serum thyroxine and triiodothyronine -fundamental and clinical evaluation of Amerlex T4 and T3 (author's transl)] Konishi J, et al. **Kaku Igaku** 1981 Apr;18(3):371–8 **(Jpn)**

[Evaluation of a radioimmunoassay kit for serum free thyroxine, Amerlex FT4 (author's transl)] Konishi J, et al. **Kaku Igaku** 1982 Feb;19(1):115–24 **(Jpn)**

[Fundamental and clinical evaluation of free T4 a kit (Gamma Coat FT4) with radioimmunoassay (author's transl)] Kurihara S, et al. **Kaku Igaku** 1982 Feb;19(1):157–65 **(Jpn)**

[Studies on free thyroxine measurement with radioimmunoassay kit -evaluation of GammaCoat free T4 kit (author's transl)] Nakagawa T, et al. **Kaku Igaku** 1981 Apr;18(3):385–400 **(Jpn)**

[Fundamental and clinical evaluation of Amerlex free T4 radioimmunoassay system (author's transl)] Nishikawa A, et al. **Kaku Igaku** 1981 Dec;18(10):1465–72 **(Jpn)**

[Serum free thyroxine after 131I therapy for Graves' disease (author's transl)] Saito S, et al. **Kaku Igaku** 1981 Dec; 18(10):1421–4 (Eng. Abstr.) **(Jpn)**

[Studies on the measurement of serum thyroxine with 'Amerlex T4 RIA' kit (author's transl)] Watanabe S, et al. **Kaku Igaku** 1981 Apr;18(3):333–8 **(Jpn)**

[The influence of fatty acids on thyroxine and 3, 3'-diiodothyronine levels in patients with chronic renal failure on hemodialysis (author's transl)] Nishikawa M, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Feb 20; 58(2):122–30 (Eng. Abstr.) **(Jpn)**

[The association constant of thyroxine binding globulin for thyroxine in patients with hyperthyroidism (author's transl)] Yoshida K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20; 57(11):1571–80 (Eng. Abstr.) **(Jpn)**

[The changes in the serum thyroid hormone concentrations in Graves patients with congestive heart failure the onset of T4 toxicosis (author's transl)] Shigemasa C, et al. **Nippon Naika Gakkai Zasshi** 1982 Mar 10;71(3):350–6 **(Jpn)**

[T4, T3, T3 resin uptake, TBG and free T4 levels for thyroid functions in normal and molar pregnancy (author's transl)] **Murata K, et al. Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):292–8 (Eng. Abstr.) **(Jpn)**

[Determination of free thyroxine by radioimmunoassay-comparison of free T4 values by different free T4 kits (author's transl)] Kinoshita F, et al. **Radioisotopes** 1982 Jan;31(1):39–41 **(Jpn)**

[Determination of free thyroxine by radioimmunoassay-determination of free thyroxine by Amerlex free T4 RIA kit (author's transl)] Kinoshita F, et al. **Radioisotopes** 1982 Jan;31(1):35–8 **(Jpn)**

[A fundamental and clinical evaluation of Amerlex free T4 RIA kit (author's transl)] Matsuda H, et al. **Radioisotopes** 1981 Dec;30(12):687–9 **(Jpn)**

[Measurements of T(3) uptake and free thyroxine index by T(3) uptake-MAA kit (author's transl)] Nishimura T, et al. **Radioisotopes** 1980 Oct;29(10):495–7 **(Jpn)**

[Fundamental study of Tetra bead-125 Kit (author's transl)] Sato S, et al. **Radioisotopes** 1981 Feb;30(2):119–21 **(Jpn)**

[Fundamental study of Amerlex T4 RIA kit (author's transl)] Sato S, et al. **Radioisotopes** 1981 Jun;30(6):334–6 (Eng. Abstr.) **(Jpn)**

[Radioimmunoassay of free thyroxine by Amerlex Free T4 RIA kit (author's transl)] Yoshii H, et al. **Radioisotopes** 1981 Oct;30(10):563–5 **(Jpn)**

[Thyroid hormones in the serum (author's transl)] Kondo S. **Rinsho Byori** 1982 Feb;30(2):158–63 **(Jpn)**

[Measurement of free T4 and its clinical significance (author's transl)] Morimoto I, et al. **Rinsho Hoshasen** 1982 Apr; 27(4):409–14 (Eng. Abstr.) **(Jpn)**

[Conversion of thyroxine to triiodothyronine and reverse triiodothyronine in parturients and newborn infants] Pisarek-Miedzinska D, et al. **Ginekol Pol** 1981 Sep; 52(9):787–91 (Eng. Abstr.) **(Pol)**

[Thyrotropic and thyroid hormone (T3 and T4) content in Horton' s headache patients] Klimek A, et al. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5-6):569–73 (Eng. Abstr.) **(Pol)**

[Triiodothyronine, reverse triiodothyronine and thyroxine levels in the acute stage of myocardial infarct] Lada W, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):123–9 (Eng. Abstr.) **(Pol)**

[Serum concentration of total thyroxine (T4), J-125-labeled triiodothyronine binding index (T3CU) and free thyroxine index (FT4I) in newborn infants] Sawa H, et al. **Wiad Lek** 1981 Oct 1;34(19):1607–10 (Eng. Abstr.) **(Pol)**

[Effect of immunization on functional state of thyroid gland and thyroxine binding in rat organs] Serebrov VIu, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):46–8 (Eng. Abstr.) **(Rus)**

[Blood thyrotropin, thyroxine and adenosine cyclic monophosphate in peptic ulcer] Mosin VI, et al. **Klin Med (Mosk)** 1981 Feb;59(2):19–22 (Eng. Abstr.) **(Rus)**

[Levels of the thyroid hormones, triiodothyronine and tetraiodothyronine, in the blood in liver diseases] Djordjević PB, et al. **Srp Arh Celok Lek** 1981 Jul; 109(7):885–92 **(Scc)**

[Concentration of triiodothyronine and thyroxine in two geographically separate districts of Croatia (author's transl)] Tonkić A, et al. **Lijec Vjesn** 1980;102(11):609–12 (Eng. Abstr.) **(Scr)**

[Blood Thyroxine concentration and quantitative changes in the micromorphological picture of the thyroid gland in postnatal ontogenesis of the rat (author's transl)] Dobiaš J, et al. **Bratisl Lek Listy** 1981 Sep;76(3):290–7 (Eng. Abstr.) **(Slo)**

[Thyroxine and progesterone levels in cows and heifers after administration of Oestrophan (Spofa) in the luteal phase of the cycle] Bekeová E, et al. **Vet Med (Praha)** 1982 Mar; 27(3):129–36 (Eng. Abstr.) **(Slo)**

[Clear cell carcinoma of the ovary with hypercalcemia, hyperthyroxinemia and disseminated intravascular coagulation] Mensa Pueyo J, et al. **Rev Clin Esp** 1981 Sep 15;162(5):229–30 **(Spa)**

[Thyroid function in craniocerebral trauma (author's transl)] Barberá M, et al. **Rev Esp Anestesiol Reanim** 1982 Jan; 29(1):13–8 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Iodothyronine levels in human cerebrospinal fluid. Thompson P Jr, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):653–5

DIAGNOSTIC USE

Peripheral resistance to thyroid hormone in an infant. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1981 Nov; 53(5):958–63

GENETICS

Regulation of genetic activity of thyroid hormones. I. Effect of purified cytoplasmic hormone-receptor complex on the template activity of chromatin. Abdukarimov A, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):447–9

IMMUNOLOGY

Specific anti-thyroxine antisera induced by thyroxine sensitized liposomes. Tan CT, et al. **Immunol Commun** 1981; 10(1):27–34

[Thyroid hormone auto-antibodies in a patient with Hashimoto's thyroiditis] Højslet PE, et al. **Ugeskr Laeger** 1981 May 11;143(20):1270–1 (Eng. Abstr.) **(Dan)**

[A study on anti-T3 and anti-T4 autoantibodies found in two sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis (author's transl)] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):9–23 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of thiol blocking agents on the binding of T3 and T4 in rat liver nuclear extract. Knopp J, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):68–72

Maturation of renal and hepatic monodeiodination of thyroxine to triiodothyronine and post-natal changes of serum thyroid hormones in young rats. Suzuki Y, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):540–5

Zenker's diverticulum as a cause for loss of drug availability: a 'new' complication. Baron SH. **Am J Gastroenterol** 1982 Mar;77(3):152–3

Thyroid hormone binding to putative nuclear receptors in human mononuclear blood cells. Maberly GF, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):113–5

Effects of thyroxine binding on the stability, conformation, and fluorescence properties of thyroxine-binding globulin. Grimaldi S, et al. **Biochemistry** 1982 Jan 5;21(1):145–51

Characteristics of active transport of thyroid hormone into rat hepatocytes. Krenning E, et al. **Biochim Biophys Acta** 1981 Sep 4;676(3):314–20

A study of the effect of sodium/meglumine ioxaglate (Hexabrix) on thyroid function. Grainger RG, et al. **Br J Radiol** 1981 Sep;54(645):768–72

Danazol and its principal metabolites interfere with binding of testosterone, cortisol, and thyroxin by plasma proteins. Haning RV Jr, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):696–8

Thyroxine and triiodothyronine levels in thyroid vein blood and in thyroid tissue of patients with autonomous adenomas. Gheri RG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):485–90

Alterations in thyroid hormone metabolism during chemotherapy in patients with testicular carcinoma. Willemse PH, et al. **Clin Endocrinol (Oxf)** 1982 Mar; 16(3):303–13

Glucocorticoids decrease in conversion of thyroxine into 3, 5, 3'-tri-iodothyronine by isolated rat renal tubules. Heyma P, et al. **Clin Sci** 1982 Feb;62(2):215–20

Propranolol and thyroxine metabolism [letter] Nester TJ. **Drug Intell Clin Pharm** 1981 Feb;15(2):131–2

Preliminary observations on the absorption of biliary iodothyronines from the intestine in vivo in rats. Langer P, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):117–27

Correlation of T4 to T3 converting activity with T3 concentration in rat tissues. Imai Y, et al. **Endocrinol Jpn** 1981 Jun;28(3):271–6

Modulation of T4 5'-monodeiodination in rat anterior pituitary and liver homogenates by thyroid states and fasting. Naito K, et al. **Endocrinol Jpn** 1981 Dec;28(6):793–8

Structure–activity relationships of inhibition of hepatic monodeiodination of thyroxine to 3,5,3'–triiodothyronine by thiouracil and related compounds. Chopra IJ, et al. **Endocrinology** 1982 Jan;110(1):163–8

Comprehensive kinetics of thyroxine distribution and metabolism in blood and tissue pools of the rat from only six blood samples: dominance of large, slowly exchanging tissue pools. DiStefano JJ 3d, et al. **Endocrinology** 1982 Jul;111(1):108–17

Metabolism of thyroxine in Rana catesbeiana tadpoles during metamorphic climax. Galton VA, et al. **Endocrinology** 1981 Oct;109(4):1127–31

Effects of congenital hypothyroidism and partial and complete food deprivation on phenolic and tyrosyl ring iodothyronine deiodination in rat brain. Kaplan MM, et al. **Endocrinology** 1982 Mar;110(3):761–7

Outer and inner ring monodeiodination of thyroxine by dog thyroid and liver: a comparative study using a particulate cell fraction. Laurberg P, et al. **Endocrinology** 1982 Jun; 110(6):2124–30

Effect of sulfhydryl reagents on the conversion of thyroxine to 3,5,3'–triiodothyronine: direct action on thyroxine molecules. Ozawa Y, et al. **Endocrinology** 1982 Jan; 110(1):241–5

Rat placenta is an active site of inner ring deiodination of thyroxine and 3,3',5–triiodothyronine. Roti E, et al. **Endocrinology** 1982 Jan;110(1):34–7

Effect of erythrosine (2',4',5',7'–tetraiodofluorescein) on the metabolism of thyroxine in rat liver. Ruiz M, et al. **Endocrinology** 1982 May;110(5):1613–7

Are iodine-deficient rats euthyroid? Santisteban P, et al. **Endocrinology** 1982 May;110(5):1780–9

Comparison of peripheral thyroid hormone metabolism in normal rats and in rats receiving prolonged glucagon infusion. Senga O, et al. **Endocrinology** 1982 Jun; 110(6):2011–7

Inner ring monodeiodination of thyroxine and 3,5,3'–L–triiodothyronine in rat brain. Tanaka K, et al. **Endocrinology** 1981 Nov;109(5):1619–24

Studies on the hypothalamic control of thyroid function in the rabbit fetuses. Mitskevich MS, et al. **Endokrinologie** 1982 Feb;79(1):94–100

Thyroxine turnover and transport in viral hepatitis. Snarski A, et al. **Endokrinologie** 1982 Feb;79(1):101–10

Decreased transport of thyroxine (T4), 3,3',5–triiodothyronine (T3) and 3,3',5'–triiodothyronine (rT3) into rat hepatocytes in primary culture due to a decrease of cellular ATP content and various drugs. Krenning EP, et al. **FEBS Lett** 1982 Apr 19;140(2):229–33

Changes in thyroidal and plasma iodine compounds during and after metamorphosis of the bullfrog, Rana catesbeiana. Suzuki S, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):74–81

Serum thyroid hormone levels and thyroid hormone metabolism by 10% liver homogenate from adult lean and obese (ob/ob) mice. Gambert SR, et al. **Horm Metab Res** 1981 Oct;13(10):588–9

Thyroxine an triiodothyronine kinetics and extrathyroidal peripheral conversion rate of thyroxine to triiodothyronine in healthy elderly humans. Miralles–García JM, et al. **Horm Metab Res** 1981 Nov;13(11):626–31

Iodine, thyroxine (T4), triiodothyronine (T3), 3,3',5'–triiodothyronine (rT3), 3,3'–diiodothyronine (T2) in normal human thyroids. Effect of excessive iodine exposure. Reinwein D, et al. **Horm Metab Res** 1981 Aug; 13(8):456–9

Mitochondrial uptake of thyroid hormone in liver & heart of normothermic & hypothermic rats. Lahiri P, et al. **Indian J Exp Biol** 1981 Jul;19(7):691–2

Proposed mechanism for increased thyroxine deiodination in cold–acclimated rats. Scammell JG, et al. **J Appl Physiol** 1981 Nov;51(5):1157–61

Thyroxine metabolism in the low thyroxine state of critical nonthyroidal illnesses. Kaptein EM, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):764–71

Evidence for a factor in the sera of patients with nonthyroidal disease which inhibits iodothyronine binding by solid matrices, serum proteins, and rat hepatocytes. Oppenheimer JH, et al. **J Clin Endocrinol Metab** 1982 Apr;54(4):757–66

Effect of alterations in thyroid status on the metabolism of thyroxine and triiodothyronine by rat pituitary gland in vitro. Maeda M, et al. **J Clin Invest** 1982 Apr;69(4):799–808

Evidence for two tissue–specific pathways for in vivo thyroxine 5'–deiodination in the rat. Silva JE, et al. **J Clin Invest** 1982 May;69(5):1176–84

The effects of propranolol on thyroxine metabolism and triiodothyronines production in man. Chambers JB Jr, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):110–6

Thyroid hormone binding to plasma membrane preparations: studies in different thyroid states and tissues. Gharbi–Chihi J, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):177–83

Inhibition of peripheral deiodination of 3, 5, 3'–triiodothyronine: an adverse effect of propylthiouracil in the treatment of T3–thyrotoxicosis. Heinen E, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):331–4

Equivalence of various levothyroxine preparations. Fischer RG, et al. **J Fam Pract** 1982 Mar;14(3):591–3

Preparation of radioiodothyronines for tracer turnover studies in man. Bianchi R, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep;25(3):133–9

Nervous system role of iodocompounds in blood pressure regulation. Dratman MB, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):611–8

Conversion and binding of tetraiodothyronine in developing rat brain. Valcana T. **Neurochem Res** 1981 Jul;6(7):743–53

Correlation of hepatic thyroxine 5'–monodeiodination with hexose monophosphate shunt in young rats. Sato T, et al. **Pediatr Res** 1982 May;16(5):377–80

Effect of blocking T4–monodeiodination on hatching in chickens. Decuypere E, et al. **Poult Sci** 1982 Jun; 61(6):1194–201

Dependency of maximum goitrogenic response on some minimal level of thyroid hormone production. March BE, et al. **Poult Sci** 1981 Apr;60(4):846–54

An inhibitor of the binding of thyroid hormones to serum proteins is present in extrathyroidal tissues. Chopra IJ, et al. **Science** 1982 Jan 22;215(4531):407–9

Cerebral cortex responds rapidly to thyroid hormones. Leonard JL, et al. **Science** 1981 Oct 30;214(4520):571–3

The effect of 3–amino–1,2,4–triazole on hepatic and renal deiodination of L–thyroxine to 3,5,3'–triiodothyronine. Scammell JG, et al. **Toxicol Appl Pharmacol** 1981 Aug; 60(1):45–51

Placental inner ring iodothyronine deiodination: a mechanism for decreased passage of T4 and T3 from mother to fetus. Roti E, et al. **Trans Assoc Am Physicians** 1981;94:183–9

[Interference in the conversion of T4 to T3 and rT3 by medications in man] Burger AG, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):461–9 (Eng. Abstr.) **(Fre)**

[Modulation of T4 to T3 conversion. Comparative aspects (author's transl)] Leloup I, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):454–60 (Eng. Abstr.) **(Fre)**

[Determination of thyroxine binding globulin and comparison with thyroxine binding capacity (author's transl)] Inada M, et al. **Horumon To Rinsho** 1981 Nov;29(11):1423–7 **(Jpn)**

[Monodeiodination of thyroxine to 3,3', 5–triiodothyronine and 3,3', 5'–triiodothyronine in human kidney homogenate (author's transl)] Yoshida K, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Mar 20;58(3):199–209 (Eng. Abstr.) **(Jpn)**

[Localization of thyroxine–5' and thyroxine–5 deiodinases in the rat hepatocytes] Nauman A, et al. **Endokrynol Pol** 1981 May–Jun;32(3):245–51 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Effect of ovariectomy, thyroidectomy and of thyroxine treatment on the plasma level of corticosterone of the female Japanese quail. Péczely P, et al. **Acta Biol Acad Sci Hung** 1981;32(1):1–6

Effect of thyroid hormones on tissue protein turnover. Simon O, et al. **Acta Biol Med Ger** 1981;40(10–11):1235–8

The effects of 1,25–dihydroxycholecalciferol, parathyroid hormone, and thyroxine on trabecular bone remodeling in adult dogs. A histomorphometric study. High WB, et al. **Am J Pathol** 1981 Dec;105(3):279–87

Role of thyroxine in coordinate control of corticosterone and CBG in postnatal development. D'Agostino J, et al. **Am J Physiol** 1982 Jan;242(1):E33–9

Abnormal brown adipose tissue in genetically obese mice (ob/ob): effect of thyroxine. Hogan S, et al. **Am J Physiol** 1981 Dec;241(6):E436–43

GDP binding to rat brown fat mitochondria: effects of thyroxine at different ambient temperatures. Sundin U. **Am J Physiol** 1981 Sep;241(3):C134–9

Postnatal development of masticatory organs in rats II. Effects of hormones on the postnatal development of the M. masseter superficialis. Maeda N, et al. **Anat Anz** 1981, 149(5):425–36

Hypertrophic and hyperplastic effects of thyroxine on the submandibular gland of the mouse. Gresik EW, et al. **Anat Rec** 1981 Aug;200(4):443–6

Hormones and liver mitochondria: effects of growth hormone and thyroxine on respiration, fluorescence of 1–anilino–8–naphthalene sulfonate and enzyme activities of complex I and II of submitochondrial particles. Maddaiah VT, et al. **Arch Biochem Biophys** 1981 Sep;210(2):666–77

Effect of thyroxine on the rate of myofibrillar protein breakdown in mature male rats fed a low–protein diet. Santidrián S, et al. **Arch Farmacol Toxicol** 1981 Dec; 7(3):319–32

Specific effect of thyroid hormone on testicular enzymes involved in carbohydrate metabolism. II. Hyperthyroidism. Aruldhas MM, et al. **Biochim Biophys Acta** 1982 Mar 15; 715(1):121–5

Influence of growth hormone and thyroxine on thermotropic effects of respiration and 1–anilino–8–naphthalene sulfonate fluorescence and on lipid composition of cardiac membranes. Clejan S, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):250–6

Chloramphenicol inhibits hormone–dependent induction of cytoplasmic mRNA coding for the mitochondrial enzyme, carbamyl phosphate synthetase, in Rana catesbeiana tadpoles. Pouchelet M, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):67–76

Lack of stimulation of renal (Na+ +K+)-ATPase by thyroid hormones in the rabbit. Sejersted OM. **Biochim Biophys Acta** 1982 Jul 16;717(1):163–74

Thyroxine–stimulated synthesis of microvillus membrane glycoproteins during culture of chick embryonic duodenum. Yoneyama Y, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):23–30

Effects of thyroxine on the transmission of immunoglobulin across the small intestine of young rats. Jones RE. **Biol Neonate** 1982;41(5–6):246–51

Development of gamma–glutamyltranspeptidase activity in mouse small intestine: influence of cortisone and thyroxine. Ménard D, et al. **Biol Neonate** 1981;40(1–2):70–7

Importance of thyroxine in suppressing secretion of thyroid–stimulating hormone after thyroidectomy. Erfurth EM, et al. **Br Med J [Clin Res]** 1982 Mar 27; 284(6320):941–2

Thyroxine treatment and recovery of hypothyroidism–induced pyramidal cell damage. Ruiz–Marcos A, et al. **Brain Res** 1982 May 13;239(2):559–74

Decreased 1,25–dihydroxycholecalciferol and increased 25–hydroxy– and 24,25–dihydroxycholecalciferol in tissues of rats treated with thyroxine. Weisman Y, et al. **Calcif Tissue Int** 1981;33(4):445–7

Effect of thyroid hormones on the switch from larval to adult hemoglobin synthesis in the salamander Pleurodeles waltlii. Flavin M, et al. **Cell Differ** 1982 Jan;11(1):27–33

Thyroxine–induced redistribution of isoenzymes of rabbit ventricular myosin. Martin AF, et al. **Circ Res** 1982 Jan; 50(1):117–24

The effect of growth hormone and thyroxine on adult joint cartilage. Hendricson AS, et al. **Clin Orthop** 1982 Jan–Feb; (162):270–5

Thyroid hormone stimulation in vitro of red blood cell Ca2+–ATPase activity: interspecies variation. Davis FB, et al. **Endocrinology** 1982 Jan;110(1):297–8

Effects of thyroid hormone on the insulin receptor in rat liver membranes. DeRuyter H, et al. **Endocrinology** 1982 Jun;110(6):1922–5

Insulin binding and response to insulin of adipocytes from thyroxine–treated rats. Heise E, et al. **Endocrinology** 1982 Mar;110(3):955–60

Comparative effects of thyroxine (T4) and triiodothyronine on T4–binding globulin metabolism in rhesus monkeys. McGuire RA, et al. **Endocrinology** 1982 Apr;110(4):1340–6

Relative importance of corticosterone and thyroxine in the postnatal development of sucrase and maltase in rat small intestine. Martin GR, et al. **Endocrinology** 1982 Sep; 111(3):912–8

Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. Scherberg NH, et al. **Endocrinology** 1981 Nov;109(5):1650–6

Effects of thyroid hormone on some uterine responses to estrogen. Steinsapir J, et al. **Endocrinology** 1982 May; 110(5):1773–9

Regulation of mouse submaxillary gland renin by thyroxine. Wilson CM, et al. **Endocrinology** 1982 Mar;110(3):982–9

Effect of graded doses of iodide on thyroid hormones in intact, thyroxine–treated and hypophysectomized rats. Wahi RS. **Endokrinologie** 1982 Feb;79(1):111–7

Rat liver peroxisomes. I. New peroxisome population induced by thyroid hormones in the liver of male rats. Just WW, et al. **Eur J Cell Biol** 1982 Feb;26(2):249–54

Lack of effect of cortisone, thyroxine and insulin on the developmental pattern of mouse intestinal glucose–6–phosphatase activity. Ménard D, et al. **Experientia** 1982 Jan 15;38(1):111–2

On the interaction of thyroxine and of oxytocin with prolactin on the growth of the tail fin in the red–spotted newt. Dent JN. **Gen Comp Endocrinol** 1982 Jul;47(3):269–75

Early changes in brush border disaccharidase kinetics in rat jejunum following subcutaneous administration of tetraiodothyronine: a quantitative histochemical study on villi revealing normal morphology. Gutschmidt S, et al. **Histochemistry** 1981;73(1):151–60

Blood concentrations of glucose, insulin and free fatty acids in shortly thyroxine–treated dogs: effects of alpha–blockade and isoproterenol. Renauld A, et al. **Horm Metab Res** 1982 Feb;14(2):101

Effect of L–thyroxine sodium on skeletal muscle of frog. Acharya SR, et al. **Indian J Exp Biol** 1982 Feb;20(2):187–8

Role of thyroxine & gonadotropins on the mobilization of ovarian cholesterol in a teleost Anabas testudineus (Bloch). Sen S, et al. **Indian J Exp Biol** 1981 May;19(5):408–12

Effect of thyroxin on the transport and metabolic functions of the small intestine in albino rats. Anand BS, et al. **Indian J Med Res** 1981 Jul;74:85–90

The influence of thyroxine on the host–parasite relationship of Ancylostoma caninum in Swiss albino mice. Bhai I, et al. **Int J Parasitol** 1981 Oct;11(5):377–9

Isolation and characterization of two molecular variants of myosin heavy chain from rabbit ventricle. Change in their content during normal growth and after treatment with thyroid hormone. Chizzonite RA, et al. **J Biol Chem** 1982 Feb 25;257(4):2056–65

Regulation of malic enzyme and mitochondrial alpha–glycerophosphate dehydrogenase by thyroid hormones, insulin, and glucocorticoids in cultured hepatocytes. Wilson EJ, et al. **J Biol Chem** 1981 Nov 25; 256(22):11657–62

The effect of thyroxine, the antithyroid drug propylthiouracil and thyroidectomy on mineral metabolism in rat tissues. Al–Khayat TM, et al. **J Clin Chem Clin Biochem** 1982 May;

20(5):281–5
Effect of Iopanoic acid on the pituitary–thyroid axis: time sequence of changes in serum iodothyronines, thyrotropin, and prolactin concentrations and responses to thyroid hormones. Suzuki H, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):779–83
Effects of experimental hyper- and hypothyroidism on numbers of blood mononuclear cells and immune function in rats and guinea-pigs. Wall JR, et al. **J Endocrinol** 1981 Oct;91(1):61–7
Increased immunological efficiency in young mice by short-term treatment with L-thyroxine. Basso A, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):431–8
Inhibition of rat hepatic thyroxine 5'-monodeiodinase by propylthiouracil: relation to site of interaction of thyroxine and glutathione. Yamada T, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):379–87
Influence of thyroxine on suckling rat intestinal alkaline phosphatase and effects of undernutrition on the same. Subramoniam A, et al. **J Exp Zool** 1980 Dec;214(3):317–22
Interrelation between the effects of ethanol and thyroid hormones on gluconeogenesis from alanine in perfused rat liver. Singh SP, et al. **J Lab Clin Med** 1982 May; 99(5):746–53
Ontogenesis of monoamine-synthesizing enzyme activities and biopterin levels in rat brain or salivary glands, and the effects of thyroxine administration. Kato T, et al. **J Neurochem** 1982 Apr;38(4):896–901
Neonatal hormone treatment and maturation of the pineal noradrenergic system: hydrocortisone and thyroxine. Yuwiler A, et al. **J Neurochem** 1981 Oct;37(4):985–92
Effects of chronic treatment with thyroxine and estradiol on estrogen concentration in serum and on hepatic microsomal catechol estrogen formation in female rats. Shiverick KT, et al. **J Pharmacol Exp Ther** 1982 Jun; 221(3):564–9
Modulation of estrogen-induced peroxidase activity in the rat uterus by thyroid hormones. Keeping HS, et al. **J Steroid Biochem** 1982 Jan;16(1):45–9
Effects of angiotension II, thyroxine and estrogen on plasma renin substrate concentration and renin substrate production by the liver. Murakami E, et al. **Jpn Circ J** 1981 Sep;45(9):1078–82
Oxidation of plasma free fatty acids in nonshivering thermogenesis of rats treated chronically with norepinephrine and thyroxine. Moriya K, et al. **Jpn J Physiol** 1981;31(5):667–76
Studies on the mechanism of thyroid hormone stimulation in vitro of human red cell Ca2+-ATPase activity. Davis PJ, et al. **Life Sci** 1982 Feb 15–22;30(7–8):675–82
Effects of early neonatal thyroxine treatment on development of the thyroid and adrenal axes in rats. Martin SM, et al. **Life Sci** 1981 Oct 19;29(16):1683–8
Recovery of age-dependent immunological deterioration in Balb/c mice by short-term treatment with L-thyroxine. Fabris N, et al. **Mech Ageing Dev** 1982 Apr;18(4):327–38
Effects of thyroid hormones on cardiac hypertrophy and beta-adrenergic receptors during aging. Žitnik G, et al. **Mech Ageing Dev** 1981 Jan;15(1):19–28
Influence of thyroid hormone administration on myosin ATPase activity and myosin isoenzyme distribution in the heart of diabetic rats. Dillmann WH. **Metabolism** 1982 Mar; 31(3):199–204
Developmental changes in the activities of prolinase and prolidase in rat salivary glands, and the effect of thyroxine administration. Imai K, et al. **Mol Cell Biochem** 1982 Jan 16;42(1):31–6
Effect of hydrocortisone and thyroxine on ATPase activities of neuronal and glial cell lines in culture. Elkouby A, et al. **Neurochem Res** 1982 Apr;7(4):387–97
Electrical responses of pineal cells to thyroid hormones and parathormone. A microelectrophoretic study. Semm P, et al. **Neuroendocrinology** 1981;33(4):212–7
Pulmonary superoxide dismutase activity in the euthyroid and hypothyroid ovine fetus. Erenberg A, et al. **Pediatr Res** 1982 Jul;16(7):570–2
Interaction of thyroxine with lysozyme. Kramer KJ, et al. **Physiol Chem Phys** 1981;13(4):313–7
alpha-Glycerophosphate dehydrogenase activities in liver and brain mitochondria from neonatal rats treated with L-thyroxine. Escrivá F, et al. **Rev Esp Fisiol** 1982 Mar; 38(1):53–8
[Studies on the metabolism of sulfur-containing amino acids in the liver of L-thyroxine treated mice (author's transl)] Lin H, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):246–9 (Eng. Abstr.) **(Chi)**
[Ultrastructural localization of adenylate cyclase and guanylate cyclase activity in the gastric gland cells of rats with hormonal imbalance] Fedchenko SN. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):87–92 (Eng. Abstr.) **(Rus)**
[Effect of thyroxine and methylthiouracil on the development of intramural ganglia in the chick embryo digestive tube] Suvorova LV, et al. **Arkh Anat Gistol Embriol** 1982 Feb; 82(2):24–31 (Eng. Abstr.) **(Rus)**
[Effect of thyroxine on the NADH cytochrome c reductase activity of microsomes and outer mitochondrial membrane of rat liver depending on age] Lemeshko VV. **Biokhimiia** 1981 Oct;46(10):1807–14 (Eng. Abstr.) **(Rus)**
[Effect of thyroxine on the activity of a series of mitochondrial enzymes during the process of development] Abliaeva NKh, et al. **Ontogenez** 1981;12(1):46–50 (Eng. Abstr.) **(Rus)**
[Role of the blood kallikrein-kinin system in activating hemodynamic effects induced by L-thyroxine] Kiselev VI, et al. **Probl Endokrinol (Mosk)** 1982 Jan–Feb;28(1):78–81 (Eng. Abstr.) **(Rus)**
[Effect of thyroxine on the activity of rat heart and liver mitochondrial cytochrome C-oxidase and Mg-activated ATP-ase] Tanbergenov SO. **Vopr Med Khim** 1981; 27(4):450–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hyperthyroidism caused by inappropriate thyrotropin hypersecretion: studies in patients with selective pituitary resistance to thyroid hormone. Spanheimer RG, et al. **Arch Intern Med** 1982 Jul;142(7):1283–6
Thyroxin dependency of the developing locus coeruleus. Evidence from intraocular grafting experiments. Seiger A, et al. **Cell Tissue Res** 1981;220(1):1–15
Relationships between circulating and intracellular thyroid hormones: physiological and clinical implications. Larsen PR, et al. **Endocr Rev** 1981 Winter;2(1):87–102 (165 ref.)
Influence of ambient temperature on calorigenic action of thyroid hormones in young mice. Haidmayer R, et al. **Pflugers Arch** 1981 Aug;391(2):125–8
Regulation of thyrotropin secretion by 3,5,3'-triiodothyronine and thyroxine. Larsen PR. **Prog Clin Biol Res** 1981;74:81–93 (33 ref.)

RADIATION EFFECTS

Synthesis of thyroid hormone metabolites by photolysis of thyroxine and thyroxine analogs in the near UV. van der Walt B, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(5):1492–6

SECRETION

Inhibition of thyroidal iodine release by oestrogens in euthyroid subjects. Zaninovich AA, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):386–92
The effect of deep hypothermia on the secretion of thyroid hormones and cortisol and oxygen consumption in guinea-pigs. Leppäluoto J, et al. **Acta Physiol Scand** 1981 Aug;112(4):417–20
Effect of chronic iodide supplements on thyroid secretion: the role of lysosomes. Lamas L, et al. **Endocrinology** 1982 May;110(5):1804–11
Iodothyronine secretion from perfused dog thyroid lobes after prolonged thyrotropin treatment in vivo. Laurberg P. **Endocrinology** 1981 Nov;109(5):1560–5
Involvement of alpha 1-adrenergic receptors in the inhibitory effect of catecholamines on the thyrotropin-induced release of thyroxine by the mouse thyroid. Muraki T, et al. **Endocrinology** 1982 Jan;110(1):51–4
Effects of TRH, TSH, and prolactin on the release in vitro of thyroxine from thyroid glands of the red-spotted newt. Anderson SL, et al. **Gen Comp Endocrinol** 1982 Jul; 47(3):280–7
The stimulation of thyroid hormone secretion in vitro by thyroid-stimulating antibodies. Atkinson S, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1263–6
In vivo thyroxine release in day-old cockerels in response to acute stimulation by mammalian and avian pituitary hormones. MacKenzie DS. **Poult Sci** 1981 Sep; 60(9):2136–43

THERAPEUTIC USE

Triiodothyronine and thyroxine treatment of diffuse non-toxic goitre evaluated by ultrasonic scanning. Perrild H, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):382–7
Cellular growth in organs of dwarf mice during treatment with growth hormone, thyroxine and plasma fractions containing somatomedin activity. van Buul-Offers S, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):150–60
Time course effect of thyroxine on serum lipoprotein concentrations in hypothyroid subjects. Hylander B, et al. **Acta Med Scand** 1982;211(4):287–91
Effects and clinical significance of exogenous thyroxine therapy in patients with circulating thyroid hormone autoantibodies. Premachandra BN, et al. **Am J Clin Pathol** 1982 Jul;78(1):63–8
Mastodynia due to fibrocystic disease of the breast controlled with thyroid hormone. Estes NC. **Am J Surg** 1981 Dec; 142(6):764–6
Thyroxine therapy in hypothyroid patients undergoing coronary revascularization: A retrospective analysis. Hay I, et al. **Ann Intern Med** 1981 Oct;95(4):456–7
Thyroxine therapy, hypothyroid patients, and coronary revascularization [letter] Klein I, et al. **Ann Intern Med** 1982 Feb;96(2):250–1
Treatment of intractable rapid-cycling manic-depressive disorder with levothyroxine. Clinical observations. Stancer HC, et al. **Arch Gen Psychiatry** 1982 Mar;39(3):311–2
Chemical hyperthyroidism: serum triiodothyronine levels in clinically euthyroid individuals treated with levothyroxine. Salmon D, et al. **Arch Intern Med** 1982 Mar;142(3):571–3
Importance of thyroxine in suppressing secretion of thyroid stimulating hormone [letter] MacPherson JN, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1479
Thyroxine reverses deficits of nerve growth factor and epidermal growth factor in submandibular glands of mice with muscular dystrophy. Watson AY, et al. **Endocrinology** 1982 Apr;110(4):1392–401
Hyperthyroidism after thyroid suppression. Dunn JT. **Hosp Pract** 1982 Sep;17(9):52–5
Seasonal variation of serum thyrotropin concentration and thyrotropin response to thyrotropin-releasing hormone in patients with primary hypothyroidism on constant replacement dosage of thyroxine. Konno N, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1118–24
Peripheral responses to thyroid hormone before and after L-thyroxine therapy in patients with subclinical hypothyroidism. Ridgway EC, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1238–42
Re-evaluation of thyroid hormone status after long-term hormone therapy. Rizzolo PJ, et al. **J Fam Pract** 1982 Jun; 14(6):1017–21
Monitoring of the serum levels of muscle enzymes during replacement therapy in hypothyroidism with myopathy. Giampietro O, et al. **J Nucl Med Allied Sci** 1981 Oct–Dec; 25(4):211–8
In vivo comparison of levothyroxine preparations. Ramos-Gabatin A, et al. **JAMA** 1982 Jan 8;247(2):203–5
Lipolytic and circulatory responses to noradrenaline infusion in hypothyroid subjects before and during thyroxine substitution. Rosenqvist U, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):641–50
Annual reevaluation of patients treated with levothyroxine. Stoffer SS, et al. **Postgrad Med** 1982 May;71(5):201–2
Partial end organ resistance to thyroid hormone in congenital hypothyroidism. Connell JM, et al. **Postgrad Med J** 1981 Aug;57(670):518–20
[Effects of triiodothyronine and thyroxine in the initial stages of treatment of hypothyroidism] Ceňková V, et al. **Vnitr Lek** 1982 Jun;28(6):587–94 (Eng. Abstr.) **(Cze)**
[Thyroid neoplasms: treatment with thyroid hormones after thyroidectomy (author's transl)] Horster FA. **Praxis** 1982 Apr 20;71(16):691–3 (Eng. Abstr.) **(Ger)**
[Treatment of upper limb lymphedema after mastectomy with escine and levo-thyroxine] Dini D, et al. **Minerva Med** 1981 Sep 22;72(35):2319–22 (Eng. Abstr.) **(Ita)**

TOXICITY

Influence of tetraiodothyronine on hearing maturation in rats. Bernard PA, et al. **Arch Otorhinolaryngol** 1982;234(2):181–6
The role of the heart in the mechanism modifying the functional state of the blood clotting and fibrinolytic systems in thyroxine toxicosis. Georgieva SA, et al. **Cor Vasa** 1981;23(4):310–5

URINE

Urinary free T4 and T3 in healthy infants and during noise exposure. von Petrykowski W, et al. **Horm Res** 1982 Jan-Feb;16(1):56–60
Urinary immunoprecipitation method for estimation of thyroxine to triiodothyronine conversion in altered thyroid states. LoPresti JS, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):666–70
A new method for measurement of the conversion ratio of thyroxine to triiodothyronine in euthyroid man. Warren DW, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1218–22

D-THYROXINE see **DEXTROTHYROXINE**

L-THYROXINE see **THYROXINE**

THYROXINE BINDING PROTEIN

see related
PROTEIN-BOUND IODINE TEST

The rate of total triiodothyronine to thyroxine-binding globulin as an index of free triiodothyronine in human serum. Fresco G, et al. **Arch E Maragliano Patol Clin** 1979; 35(2):121–8

ANALYSIS

The T4:TBG ratio: a re-evaluation with particular reference to low and high serum TBG levels. Attwood EC, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):101–3
A regional external quality assessment scheme for serum thyroxine-binding globulin. Attwood EC, et al. **Ann Clin Biochem** 1982 May;19(3):167–70
Total over free thyroxine ratio: prediction of thyroxine binding globulin. Bakker AJ, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):94–100
Effects of venous stasis on serum concentrations of thyroid hormones and their binding proteins. Hopton MR, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):134–5
Familial thyroxine-excess syndrome [letter] Stockigt JR, et al. **Ann Intern Med** 1982 Jul;97(1):143–4
Role of sialic acid in the microheterogeneity of serum thyroxine-binding globulin. Study by two-dimensional isoelectric focusing. Lasne F, et al. **Biochim Biophys Acta** 1982 Apr 21;703(1):49–53
Radioimmunoassay of 'free thyroxin' in dried blood spots on filter paper – preliminary observations on the effective differentiation of subjects with congenital hypothyroidism from those with subnormal thyroxin-binding globulin and normal subjects. Mizuta H, et al. **Clin Chem** 1982 Mar; 28(3):505–8
Thyroxine binding globulin (TBG) and thyroxine binding prealbumin (TBPA) measurement, compared with the

conventional T3 uptake in the diagnosis of thyroid disease. Litherland PG, et al. **Clin Chim Acta** 1982 Jul 15; 122(3):345–52

Changes in the serum concentrations of thyroxine-binding prealbumin and retinol-binding protein following burn injury. Moody BJ. **Clin Chim Acta** 1982 Jan 5;118(1):87–92

Serum T4, T3 and TBG concentrations during puberty in males. Sack J, et al. **Eur J Pediatr** 1982 Mar;138(2):136–7

Thyroxine binding globulin and thyroid function tests in patients with hepatocellular carcinoma. Kalk WJ, et al. **Hepatology** 1982 Jan–Feb;2(1):72–6

Effect of artificial photoperiods on plasma thyroxine-binding prealbumin and retinol-binding protein in Japanese quail. Heaf DJ, et al. **J Endocrinol** 1982 Feb;92(2):163–73

Clinical evaluation of a thyroxine-binding globulin assay in calculating a free-thyroxine index. Szpunar WE, et al. **J Nucl Med** 1981 Sep;22(9):793–5

Thyroxine binding globulin in PNG natives [letter] Welby ML, et al. **Med J Aust** 1982 Mar 6;1(5):204

Familial dysalbuminemic hyperthyroxinemia: a syndrome that can be confused with thyrotoxicosis. Ruiz M, et al. **N Engl J Med** 1982 Mar 18;306(11):635–9

An unexpected advantage of thyroxine binding globulin measurements in the neonate [letter] Lyon IC, et al. **NZ Med J** 1981 Dec 9;94(697):433

Free thyroxine, thyroxine/TBG ratio and other in vitro tests of thyroid function evaluated by discriminant analysis. Rootwelt K, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):483–91

[Radioimmunoassay of TBG im mophase-TBG kit (author's transl)] Azukizawa M, et al. **Horumon To Rinsho** 1981 Jul; 29(7):845–50 **(Jpn)**

[Fundamental and clinical evaluation of radioimmunoassay for serum thyroxine-binding globulin by TBG Corning RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1981 Mar;29(3):381–7 **(Jpn)**

[Reference value and abnormal value of TBG (author's transl)] Iino S. **Horumon To Rinsho** 1982 Feb;30(2):113–9 **(Jpn)**

[Determination of thyroxine binding globulin and comparison with thyroxine binding capacity (author's transl)] Inada M, et al. **Horumon To Rinsho** 1981 Nov;29(11):1423–7 **(Jpn)**

[Serum TBG concentration in hyperthyroidism (author's transl)] Ito K, et al. **Horumon To Rinsho** 1982 Feb; 30(2):131–4 **(Jpn)**

[Serum TBG concentration and thyroid function in various clinical states (author's transl)] Kaneko H, et al. **Horumon To Rinsho** 1982 Feb;30(2):139–44 **(Jpn)**

[Serum TBG value in chronic liver diseases and hepatoma with special referrence to microheterogeneity of TBG (author's transl)] Miyazaki J, et al. **Horumon To Rinsho** 1982 Feb;30(2):145–7 **(Jpn)**

[Serum TBG concentrations in nonthyroidal diseases (author's transl)] Sasaki Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):157–9 **(Jpn)**

[Comparison of these different RIA kits of TBG (author's transl)] Sato S, et al. **Horumon To Rinsho** 1982 Feb; 30(2):121–5 **(Jpn)**

[Free thyroxine estimation by the radioimmunoassay for T4 and TBG (author's transl)] Shishiba Y, et al. **Horumon To Rinsho** 1982 Jan;30(1):39–44 **(Jpn)**

[Reciprocal changes in serum TBG and T4 in hyperthyroidism treated with PTU and iodide (author's transl)] Suzuki H, et al. **Horumon To Rinsho** 1982 Feb; 30(2):135–8 **(Jpn)**

[Free thyroxine estimation by the radioimmunassay for T4 and TBG (author's transl)] Umezu Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):127–9 **(Jpn)**

[Fundamental and clinical studies of TBG RIA kit (author's transl)] Usami H, et al. **Horumon To Rinsho** 1981 Apr; 29(4):493–500 **(Jpn)**

[Serum TBG concentration in Graves' disease and assessment of the thyroid parameters in Graves' disease associated with elevated TBG (author's transl)] Yabu Y, et al. **Horumon To Rinsho** 1981 Apr;29(4):471–5 **(Jpn)**

[Measurement of serum thyroxine-binding globulin by Immophase TBG radioimmunoassay test system (author's transl)] Kaise N, et al. **Kaku Igaku** 1981 Jul;18(6):885–93 **(Jpn)**

[Clinical evaluation of thyroxine binding globulin (TBG) ligand partitioning sandwich assay (author's transl)] Kurihara S, et al. **Kaku Igaku** 1981 Dec;18(10):1507–13 **(Jpn)**

[Clinical evaluation of TBG concentration measured with radioimmunoassay kit (author's transl)] Nakagawa T, et al. **Kaku Igaku** 1981 Jul;18(6):809–19 (Eng. Abstr.) **(Jpn)**

[The association constant of thyroxine binding globulin for thyroxine in patients with hyperthyroidism (author's transl)] Yoshida K, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20; 57(11):1571–80 (Eng. Abstr.) **(Jpn)**

[T4, T3, T3 resin uptake, TBG and free T4 levels for thyroid functions in normal and molar pregnancy (author's transl)] Murata K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):292–8 (Eng. Abstr.) **(Jpn)**

[Normal range of thyroxine binding globulin (TBG)—relationship to aging chronological change in TBG (author's transl)] Masuda Y, et al. **Radioisotopes** 1982 Mar;31(3):152–4 **(Jpn)**

[Effect of immunization on functional state of thyroid gland and thyroxine binding in rat organs] Serebrov Vlu, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):46–8 (Eng. Abstr.) **(Rus)**

[Nature of the intracellular thyroid hormone receptor] Azimova SaS, et al. **Probl Endokrinol (Mosk)** 1982 May–Jun;28(3):65–8 (Eng. Abstr.) **(Rus)**

BLOOD

Aspects of the interaction of thyroxine and its binding serum proteins with 1,4-benzodiazepine tranquillizers. El-Hazmi MA. **Biochem Med** 1981 Oct;26(2):191–8

Serum thyroxine, triiodothyronine, reverse triiodothyronine, thyroid stimulating hormone, thyroxine binding globulin and thyroxine binding pre-albumin concentrations in healthy African adults. Osotimehin B, et al. **Trop Geogr Med** 1981 Sep;33(3):281–6

[Low serum thyroxin and thyroxin-binding globulin in neonatal respiratory distress (author's transl)] Gendrel D, et al. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):401–3 (Eng. Abstr.) **(Fre)**

[The evaluation of TBG RIA kit, especially clinical study of serum TBG concentration in childhood (author's transl)] Inomata H, et al. **Horumon To Rinsho** 1981 Mar;29(3):395–8 **(Jpn)**

[Measurement of serum thyroxine binding globulin concentration by radioimmunoassay (author's transl)] Ito Y. **Horumon To Rinsho** 1982 Apr;30(4):389–96 **(Jpn)**

DEFICIENCY

Familial thyroxine-binding globulin deficiency with neurological abnormalities. Shita A, et al. **Acta Clin Belg** 1981;36(6):313–4

Value of the determination of 'true' free thyroxine in screening the newborn with possible congenital TBG-deficiency for congenital hypothyroidism. Looyé A, et al. **Ann Clin Biochem** 1981 Nov;18(Pt 6):361–3

The free T3 index in familial TBG deficiency. Farrell RJ, et al. **Clin Chim Acta** 1982 Jan 5;118(1):121–3

Dichotomy between serum free triiodothyronine and free thyroxine concentrations in familial thyroxine-binding globulin deficiency. Smals AG, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):917–22

Familial thyroxine-binding globulin deficiency detected in a pilot screening program for congenital hypothyroidism. Carta Sorcini M, et al. **J Endocrinol Invest** 1982 Jan–Feb; 5(1):21–5

[Two cases of familial thyroxine-binding globulin (TBG) deficit identified by the screening of neonatal hypothyroidism (author's transl)] Ronconi GF, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):239–42 (Eng. Abstr.) **(Ita)**

[TBG abnormality and free thyroxine (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 Feb;30(2):149–55 **(Jpn)**

[Hypo-TBG-emia detected by screening for congenital hypothyroidism (author's transl)] Inomata H, et al. **Horumon To Rinsho** 1981 Mar;29(3):311–2 **(Jpn)**

[Infants with low-TBG detected in a screening program for neonatal hypothyroidism (author's transl)] Suwa S, et al. **Horumon To Rinsho** 1981 Mar;29(3):305–10 **(Jpn)**

[Two interesting cases of abnormalities of thyroxine-binding globulin (author's transl)] Tanaka S, et al. **Horumon To Rinsho** 1982 Feb;30(2):161–3 **(Jpn)**

GENETICS

Human thyroxine-binding globulin (TBG): heterogeneity within individuals and among individuals demonstrated by isoelectric focusing. Daiger SP, et al. **Biochem Genet** 1981 Aug;19(7–8):673–85

A possible variant of thyroxine-binding globulin in Australian Aborigines. Dick M, et al. **Clin Chim Acta** 1981 Nov 11;116(3):361–7

METABOLISM

Elevated serum thyroxine-binding globulin by X-chromosome transmission. Penhaligon J, et al. **Acta Endocrinol (Copenh)** 1982 Mar;99(3):393–6

Concentration of serum thyroid hormone binding proteins after 131I treatment of hyperthyroidism. Harrop JS, et al. **Ann Clin Biochem** 1981 Jul;18(Pt 4):211–4

Familial hyperthyroxinemia due to abnormal thyroid hormone binding. Silverberg JD, et al. **Ann Intern Med** 1982 Feb;96(2):183–6

Effects of thyroxine binding on the stability, conformation, and fluorescence properties of thyroxine-binding globulin. Grimaldi S, et al. **Biochemistry** 1982 Jan 5;21(1):145–51

The influence of carbamazepine on thyroid hormones and thyroxine binding globulin in hypothyroid patients substituted with thyroxine. Aanderud S, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):247–52

Inherited thyroxine excess: a serum abnormality due to an increased affinity for modified albumin. Docter R, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):363–71

Clinical study on increased serum thyroxine-binding globulin in cancerous state. Kajita Y, et al. **Endocrinol Jpn** 1981 Dec;28(6):785–91

Comparative effects of thyroxine (T4) and triiodothyronine on T4-binding globulin metabolism in rhesus monkeys. McGuire RA, et al. **Endocrinology** 1982 Apr;110(4):1340–6

Familial euthyroid thyroxine excess: characterization of abnormal intermediate affinity thyroxine binding to albumin. Barlow JW, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):244–50

Reduced active thyroid hormone levels after delivery. Banovac K, et al. **J Endocrinol Invest** 1981 Jul–Sep; 4(3):271–4

A reappraisal of the free thyroxine index. Goldie DJ, et al. **Lancet** 1981 Sep 12;2(8246):572–3

Familial euthyroid hyperthyroxinemia resulting from increased thyroxine binding to thyroxine-binding prealbumin. Moses AC, et al. **N Engl J Med** 1982 Apr 22;306(16):966–9

Value of the triiodothyronine/thyroxine-binding-globulin quotient as an index of thyroid state. Hale TI. **Nuklearmedizin** 1981 Oct;20(5):254–5

PHARMACODYNAMICS

Mathematical modelling of intravascular thyroid hormone stimulation by carrier proteins. Geiseler D, et al. **Methods Find Exp Clin Pharmacol** 1982;4(1):73–8

PHYSIOLOGY

Human thyroxine binding globulin (TBG). Hocman G. **Rev Physiol Biochem Pharmacol** 1981;91:45–89 (81 ref.)

TIABENDAZOL see **THIABENDAZOLE**

TIAPRIDE see under **BENZAMIDES**

TIBIA

Periosteal chondromyxoid fibroma of the tibia: a case report. Andrew T, et al. **Acta Orthop Scand** 1982 Jun;53(3):467–70

Deformation and loosening of the tibial component in knee arthroplasty with unicompartmental endoprostheses. Knutson K, et al. **Acta Orthop Scand** 1981 Dec;52(6):667–73

Adamantinoma of the tibia — a case report and a statistical review of reported cases. Mori H, et al. **Acta Pathol Jpn** 1981 Jul;31(4):701–9

Malignant fibrous histiocytoma of bone associated with focal hemangiopericytomatous pattern. Terashima K, et al. **Acta Pathol Jpn** 1981 Nov;31(6):1063–78

Malignant lymphoma associated with internal fixation of a fractured tibia. McDonald I. **Cancer** 1981 Aug 15; 48(4):1009–11

Electrically induced osteogenesis: relationship between charge, current density, and the amount of bone formed: introduction of a new cathode concept. Brighton CT, et al. **Clin Orthop** 1981 Nov–Dec;(161):122–32

Cryptococcal bone disease: a manifestation of disseminated cryptococcosis. Fialk MA, et al. **Clin Orthop** 1981 Jul–Aug; (158):219–23

Angulation osteotomy. A trigonometric analysis. Harper MC, et al. **Clin Orthop** 1982 Jun;(166):173–81

Tibia vara: osteochondrosis deformans tibiae. Blount's disease. Langenskiöld A. **Clin Orthop** 1981 Jul–Aug; (158):77–82

Townley anatomic total knee arthroplasty using total tibial component with cruciate release. Mallory TH, et al. **Clin Orthop** 1982 Sep;(169):197–201

A case of probable benign pulmonary 'metastases' or implants arising from a giant cell tumor of bone. Mirra JM, et al. **Clin Orthop** 1982 Jan–Feb;(162):245–54

The prognosis in osteosarcoma. Larsson SE, et al. **Int Orthop** 1981;5(4):305–10

A variant of fibrous dysplasia (osteofibrous dysplasia). Campbell CJ, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):231–6

A comparative evaluation of tibial component designs of total knee prostheses. Lewis JL, et al. **J Bone Joint Surg [Am]** 1982 Jan;64-A(1):129–35

Tibia vara (Blount's disease). Smith CF. **J Bone Joint Surg [Am]** 1982 Apr;64(4):630–2

The fixation of a proximal tibial polyethylene prosthesis without cement. Blaha JD, et al. **J Bone Joint Surg [Br]** 1982;64(3):326–35

Parosteal osteosarcoma. Stovall JM, et al. **J Kans Med Soc** 1982 May;83(5):233–5

Spontaneous osteonecrosis of the medial tibial plateau. Houpt JB, et al. **J Rheumatol** 1982 Jan–Feb;9(1):81–90

Joint force analysis in degenerative varus or valgus knees during standing –importance of tibial tilt to the floor–. Kurosawa H, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 May;55(5):509–18

Appendicular skeletal tumours coined by odontogenic terms. Zídková H, et al. **ROFO** 1981 Oct;135(4):471–7

Case report 161. Klein M, et al. **Skeletal Radiol** 1981; 6(4):307–9

Case report 169: low-grade osteosarcoma of the tibia. Lodwick GS. **Skeletal Radiol** 1981;7(2):139–41

Case report 182: osteosarcoma arising in giant cell tumor of tibia. Sundaram M, et al. **Skeletal Radiol** 1982 Jan; 7(4):282–5

Osteosarcoma of the tibia in a squirrel monkey (Saimiri sciureus). Knight JA, et al. **Vet Rec** 1981 Oct 24; 109(17):385–6

[Fibrocementoma of long bones (author's transl)] Kolář J, et al. **Cesk Radiol** 1981 Sep;35(5):319–23 (Eng. Abstr.) **(Cze)**

[Brodie's abscess] Visser JD, et al. **Ned Tijdschr Geneeskd** 1982 May 15;126(20):896–9 (Eng. Abstr.) **(Dut)**

[On theory and practice of congenital pseudarthroses of the lower leg (author's transl)] Blauth W, et al. **Z Orthop** 1981 Feb;119(1):36–53 (123 ref.) (Eng. Abstr.) **(Ger)**

[Measurement of tibial torsion–Comparison of various methods was computerised axial tomography (author's transl)] Jakob RP, et al. **Z Orthop** 1981 Oct;119(5):525–34 (Eng. Abstr.) **(Ger)**

[Closed rupture of the anterior tibial tendon and its differential diagnosis (author's transl)] Rabenseifner L. **Z Orthop** 1982 Apr;120(2):207–8 **(Ger)**

[A case of so-called recurrent adamantinoma of the tibia. Histomorphological, ultrastructural and histogenetic findings] Aragona F, et al. **Arch De Vecchi Anat Patol** 1980; 64(1):124–56 **(Ita)**

[Unusual evolution of a diaphyseal osteogenic sarcoma] De Santis E, et al. **Arch Putti Chir Organi Mov** 1981;31:317–20 (Eng. Abstr.) **(Ita)**

[Osteofibrous dysplasia of the long bones] Boriani S. **Chir Organi Mov** 1978 Nov–Dec;64(6):625–8 **(Ita)**

[Case of unusual deposits within the bone resembling osteoma] Mikolajewski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(2):183–5 **(Pol)**

[Treatment of epiphysiolysis in the region of the ankle] Spiššák L, et al. **Rozhl Chir** 1981 Dec;60(12):812–9 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Spontaneous correction of severe tibiofemoral deformity in growing children. Vankka E, et al. **Acta Orthop Scand** 1982 Aug;53(4):567–70

Diplopodia with double fibula and agenesis of tibia. A case report. Narang IC, et al. **J Bone Joint Surg [Br]** 1982; 64(2):206–9

Tibial agenesis. Wehbé MA, et al. **J Pediatr Orthop** 1981; 1(4):395–9

Behavior of internal tibial torsion in infancy. Katz JF. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):7–12

Torsional abnormalities in children's lower extremities. Kumar SJ, et al. **Orthop Clin North Am** 1982 Jul; 13(3):629–39

Tibial hemimelia in a Bunaji calf. Salako MA, et al. **Vet Rec** 1982 May 1;110(18):430

On the functional morphology of normally formed and rachitically deformed human tibiae and fibulae. Asmuth R, et al. **Z Morphol Anthropol** 1981;72(1):23–46

[Compensatory pes valgoplanus (author's transl)] Janssen G. **Z Orthop** 1982 May–Jun;120(3):278–9 (Eng. Abstr.) **(Ger)**

[Treatment of angular deformities of the leg by external distraction] Aldegheri R, et al. **Chir Organi Mov** 1981; 66(2):203–6 **(Ita)**

[Discussion of a case of Wolkmann's pseudo-deformity] Canella ?. **Chir Organi Mov** 1979 Mar–Apr;65(2):227–9 **(Ita)**

[Hypoplasias of the lower extremities: diagnosis, classification and prognosis] Dal Monte A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):423–37 (Eng. Abstr.) **(Ita)**

[Neonatal neurofibromatosis (author's transl)] Sánchez Badía JL, et al. **An Esp Pediatr** 1981 Apr;14(4):267–71 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunohistochemical localization of collagen types I and II in the developing chick cornea and tibia by electron microscopy. Hendrix MJ, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):359–75

ANATOMY & HISTOLOGY

[Morphometric characteristics of the tibia in Bulgarian men of today] Matev T, et al. **Eksp Med Morfol** 1981;20(4):231–7 **(Bul)**

BLOOD SUPPLY

Venous insufficiency as a late complication after tibial fracture. Willén J, et al. **Acta Orthop Scand** 1982 Feb; 53(1):149–53

Quantitation of regional chondro-osseous circulation in canine tibia and femur. Schnitzer JE, et al. **Am J Physiol** 1982 Mar;242(3):H365–75

Length-tension properties of the anterior tibial artery in normotensive and perinephritic hypertensive dogs. Price JM, et al. **Blood Vessels** 1982;19(4):203–16

Osteomedulloangiography: a method of estimating the consolidation prognosis of tibial shaft fractures. Puranen J, et al. **Clin Orthop** 1981 Nov–Dec;(161):8–14

Structural peculiarities of the blood vessels supplying the metaepiphyseal growth cartilage of the tibia in newborns. Baltadjiev G. **Folia Med (Plovdiv)** 1981;23(1):49–53

Acute infarction of long bones in children with sickle cell anemia. Keeley K, et al. **J Pediatr** 1982 Aug;101(2):170–5

Femoral-popliteal-tibial reconstruction. Gaspar MR. **Major Probl Clin Surg** 1981;4:271–314 (165 ref.)

False aneurysm with arteriovenous fistula of the anterior tibial artery following fracture of the fibula. Snyder LL, et al. **Radiology** 1982 May;143(2):405–6

Technique of femoropopliteal and femorotibial grafts using umbilical vein. Hirsch SA, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):246–9

[The influence of the fibrinogen adhesive system on revascularization of bone graft (author's transl)] Zilch H. **Unfallheilkunde** 1981 Sep;84(9):353–62 (Eng. Abstr.) **(Ger)**

[Aneurysm of the posterior tibial artery after snake bite] Jonas P, et al. **Vasa** 1982;11(2):131–5 (Eng. Abstr.) **(Ger)**

[Sympathectomy and bone circulation (animal experiments) (author's transl)] Köcher W, et al. **Zentralbl Chir** 1981; 106(13):862–72 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Strength of the cement–bone interface. Krause WR, et al. **Clin Orthop** 1982 Mar;(163):290–9

GROWTH & DEVELOPMENT

Roentgen stereophotogrammetric study of growth pattern after fracture through tibial shaft, ankle, and heel. Case report. Kärrholm J, et al. **Arch Orthop Trauma Surg** 1982; 99(4):253–8

Osseous development and tibial dyschondroplasia in five lines of turkeys. Walser MM, et al. **Avian Dis** 1982 Apr–Jun; 26(2):265–71

Spontaneous resolution of varus deformity at the ankle following adduction injury of the distal tibial epiphysis. A case report. Chadwick CJ. **J Bone Joint Surg [Am]** 1982 Jun;64(5):774–6

Developmental patterns in lower-extremity length discrepancies. Shapiro F. **J Bone Joint Surg [Am]** 1982 Jun; 64(5):639–51

Epiphyseal plate development in the zinc-deficient rat. Suwarnasarn A, et al. **J Nutr** 1982 Jul;112(7):1320–8

Roentgen stereophotogrammetric analysis of growth pattern after supination—eversion ankle injuries in children. Kärrholm J, et al. **J Pediatr Orthop** 1982 Mar;2(1):25–37

Radiographic studies on maturation process of secondary ossification centers in long bones of the Japanese white rabbit. Fukuda S, et al. **Jikken Dobutsu** 1981 Oct; 30(4):497–501

[Development of the patellar ligament insertion in the growing dog] Vollmerhaus B, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jun 1;94(13):255–9 (Eng. Abstr.) **(Ger)**

[Unusual alteration of tibial growth in a case of Cooley's disease] Tripo B. **Chir Organi Mov** 1979 Sep–Oct; 65(5):617–21 **(Ita)**

[Adaptive osteogenesis in puppies with unequal hindlimbs] Ilizarov GA, et al. **Ortop Travmatol Protez** 1982 Mar; (3):32–5 **(Rus)**

INJURIES

Traumatic instability of the proximal tibiofibular joint. Veth RP, et al. **Injury** 1981 Sep;13(2):159–64

Stake-bite: a syndrome of military reservists. Kerstein MD. **Milit Med** 1982 Jun;147(6):479–80

Arthrographic differential diagnosis between ruptures of the anterior talofibular ligament, the joint capsule and the anterior tibiofibular ligament. van Moppes FI, et al. **ROFO** 1980 Nov;133(5):534–9

[Injuries to the upper end of the tibia] Dósa G, et al. **Ortop Travmatol Protez** 1981 Jul;(7):49 **(Rus)**

[Surgical treatment of injuries to the tibiofibular syndesmosis] Seiukov IN. **Ortop Travmatol Protez** 1981 Nov;(11):46–7 **(Rus)**

[New developments in treating malleolar fractures and injuries to the inferior tibiofibular articulation] Edinak AN, et al. **Vestn Khir** 1981 Jul;127(7):122–4 **(Rus)**

[Proximal and distal epiphysiolysis occurring during delivery] Lukač R, et al. **Srp Arh Celok Lek** 1980 Oct; 108(10):1067–72 **(Scc)**

METABOLISM

Load-carrying effects on the adult beagle tibia. Martin RK, et al. **Med Sci Sports Exerc** 1981;13(5):343–9

[Metabolic processes in the bony tissue during Ilizarov's treatment of pseudarthroses of the leg] Sveshnikov AA, et al. **Ortop Travmatol Protez** 1982 Feb;(2):48–52 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Valgus deformity following proximal tibial metaphyseal fracture in children. Skak SV. **Acta Orthop Scand** 1982 Feb;53(1):141–7

Bone loss in the beagle tibia: influence of age, weight, and sex. Martin RK, et al. **Calcif Tissue Int** 1981;33(3):233–8

Morphological bone changes in shin splints. Johnell O, et al. **Clin Orthop** 1982 Jul;(167):180–4

Radiologic seminar CCXII: bone involvement in echinococcosis. Morano JU, et al. **J Miss State Med Assoc** 1981 Mar;22(3):55–7

Angiosarcoma metastatic to the maxillary tuberosity gingiva. Toth BB, et al. **Oral Surg** 1981 Jul;52(1):71–4

Ossifying fibroma of the peripheral skeleton. Case of a rare bone tumor in an 18-year-old girl is reported. Elliot AJ. **RI Med J** 1982 Apr;65(4):151–4

[Tibial torsion] Taussig G. **Rev Chir Orthop** 1982;68(1):20–3 **(Fre)**

[What is the role of the dorsolateral tibia crest triangle in the evaluation of the severity of an ankle joint injury] Machan FG. **Z Arztl Fortbild (Jena)** 1981 Sep 1; 75(17):805–8 **(Ger)**

[A case of adamantinoma localized to the tibia (author's transl)] Bély M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):75–9 **(Hun)**

[Chondromyxoid fibroma with subtotal tibial involvement] Zatsepin ST, et al. **Ortop Travmatol Protez** 1981 Nov; (11):39–41 **(Rus)**

[Epimetaphyseal drop-shape abscesses of the tibia in a 5-year-old child] Fedorova EA, et al. **Vestn Khir** 1981 Jul;127(7):100–2 **(Rus)**

PHYSIOLOGY

The geometrical properties of human femur and tibia and their importance for the mechanical behaviour of these bone structures. Martens M, et al. **Arch Orthop Trauma Surg** 1981;98(2):113–20

Effects of tibial components on load transfer in the upper tibia. Reilly D, et al. **Clin Orthop** 1982 May;(165):273–82

Mechanical testing of trabecular bone in knee replacement. Sneppen O, et al. **Int Orthop** 1981;5(4):251–6

Analysis of model variables and fixation post length effects on stresses around a prosthesis in the proximal tibia. Askew MJ, et al. **J Biomech Eng** 1981 Nov;103(4):239–45

Properties and an anisotropic model of cancellous bone from the proximal tibial epiphysis. Williams JL, et al. **J Biomech Eng** 1982 Feb;104(1):50–6

The tibial plateau. Struben PJ. **J Bone Joint Surg [Br]** 1982; 64(3):336–9

Subperiosteal expansion and cortical remodeling of the human femur and tibia with aging. Ruff CB, et al. **Science** 1982 Sep 3;217(4563):945–8

[Strength properties of the proximal tibia. A photoelastic and roentgenodensitometric study] Vang PS. **Ugeskr Laeger** 1981 Jun 1;143(23):1460–2 (Eng. Abstr.) **(Dan)**

PHYSIOPATHOLOGY

Changes in compression and distances between tibial and femoral condyles during immobilization of rabbit knee. Videman T. **Arch Orthop Trauma Surg** 1981;98(4):289–91

[Mechanical behavior of the tibio-fibular aspects of genu varum and valgum] Wagner J, et al. **Acta Orthop Belg** 1982 Jan–Feb;48(1):57–92 **(Fre)**

[The foot and rotation disorders of the lower limbs] Moyen B, et al. **Rev Chir Orthop** 1982;68(1):57–61 **(Fre)**

[Pressures acting on the bone in the gradual lengthening of the lower leg] Janovec M, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):117–25 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Measurement of tibial torsion by computer tomography. Jend HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):271–6

Cementifying fibroma (so-called 'cementoma') of tibia. Kolář JJ, et al. **Br J Radiol** 1981 Nov;54(647):989–92

The computed tomography of normal long bone anatomy and its simulation of disease. Paling MR. **Comput Tomogr** 1981 Jul–Sep;5(3):201–13

Posttraumatic valgus deformity of the tibia. Herring JA, et al. **J Pediatr Orthop** 1981;1(4):435–9

Case report 164, Osteoid osteoma of ossification center of tibia. Beerman PJ, et al. **Skeletal Radiol** 1981;7(1):71–4

[Femoral and tibial torsion. Radiological measurement] Heripret G. **Rev Chir Orthop** 1982;68(1):29–31 **(Fre)**

[Comparative evaluation of routine radiological, vascular and computer tomographic investigations in the diagnosis of tumours and tumour like lesions of the extremities (author's transl)] Woynarowski M, et al. **Pol Przegl Radiol** 1981 Sep–Oct;45(5):261–6 (Eng. Abstr.) **(Pol)**

[Total involvement of the lower limb in melorheostosis] Levitskiĭ FA, et al. **Ortop Travmatol Protez** 1981 Aug; (8):51–2 **(Rus)**

RADIONUCLIDE IMAGING

The natural history of bone scans following total knee replacement surgery. Robinson M, et al. **Trans Am Soc Artif Intern Organs** 1981;27:369–71

SURGERY

Displacement osteotomy of the tibial tuberosity. Beckers L. **Acta Orthop Belg** 1982 Jan–Feb;48(1):190–3

Long-term results of upper tibial osteotomy for degenerative arthritis of the knee. Coventry MB, et al. **Acta Orthop Belg** 1982 Jan–Feb;48(1):139–56

Tibial osteotomy for osteoarthritis of the knee. Jackson JP, et al. **Acta Orthop Belg** 1982 Jan–Feb;48(1):93–6

The effect of anterior displacement of the tibial tuberosity in idiopathic chondromalacia patellae: a prospective randomized study. Hejgaard N, et al. **Acta Orthop Scand** 1982 Feb;53(1):135–9

Prosthetic replacement of tumour-destroyed diaphyseal bone in the lower extremity. Lempberg R, et al. **Acta Orthop Scand** 1982 Aug;53(4):541–5

Tibial osteotomy in medial gonarthrosis. The importance of over-correction of varus deformity. Tjörnstrand B, et al. **Arch Orthop Trauma Surg** 1981;99(2):83–9

Roentgen stereophotogrammetry in high tibial osteotomy for gonarthrosis. Tjörnstrand B, et al. **Arch Orthop Trauma Surg** 1981;99(2):73–81

Maquet osteotomy for chondromalacia patellae: avoiding the pitfalls. Hadjipavlou A, et al. **Can J Surg** 1982 May; 25(3):342–5

Combined Coventry-Maquet tibial osteotomy: preliminary report of two cases. Bourguignon RL. **Clin Orthop** 1981 Oct;(160):144–8

Experimental observations on the effects of leg lengthening

by the Wagner Method. Carroll NC, et al. **Clin Orthop** 1981 Oct;(160):250–7
Valgus tibial osteotomy: avoiding the pitfalls. Engel GM, et al. **Clin Orthop** 1981 Oct;(160):137–43
Surgical treatment of the tibia in osteogenesis imperfecta. Niemann KM. **Clin Orthop** 1981 Sep;(159):134–40
High tibial osteotomy: a seven-year clinical and radiographic follow-up. Tjörnstrand BA, et al. **Clin Orthop** 1981 Oct;(160):124–36
Variables affecting the fixation of tibial components. Walker PS, et al. **Eng Med** 1982 Apr;11(2):83–7
The resistance to loosening of uncemented tibial components in total knee arthroplasty following trauma. A report of two cases. Casteleyn PP, et al. **Int Orthop** 1981;5(3):237–40
The treatment of spontaneous osteonecrosis of the knee by high tibial osteotomy with and without bone-grafting or drilling of the lesion. Koshino T.
J Bone Joint Surg [Am] 1982 Jan;64–A(1):47–58
Treatment of congenital pseudoarthrosis of the tibia by a free vascularized fibular graft: case report. Usami F, et al. **J Microsurg** 1981 Fall;3(1):40–7
Management of tibial dysplasia. Herring JA.
J Pediatr Orthop 1981;1(3):339–42
Cylindrically modeled bone grafts. Klisić P, et al.
J Pediatr Orthop 1982 Mar;2(1):45–50
Intraepiphyseal osteotomy for progressive tibia vara: case report and rationale of management. Siffert RS.
J Pediatr Orthop 1982 Mar;2(1):81–5
A new external fixation for bone surgery in African pygmy goats. Peters AJ, et al. **Lab Anim** 1981 Oct;15(4):389–92
Proximal tibial osteotomy. Brueckmann FR, et al.
Orthop Clin North Am 1982 Jan;13(1):3–16
[Medualllary nailing of tibia in treatment of shaft of tibia-fibula fracture: analysis of 148 cases (author's transl)] Li HE. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):234–5 (Eng. Abstr.) **(Chi)**
[Tibial lengthening for lower limb inequality following anterior poliomyelitis (author's transl)] Men HX.
Chung Hua Wai Ko Tsa Chih 1981 Aug;19(8):458–60 **(Chi)**
[Tibial lengthening: report of 25 cases (author's transl)] Wu SY, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):19–22 (Eng. Abstr.) **(Chi)**
[Use of external fixation devices in infected pseudarthroses of the shin] Karpaš K, et al.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1981;24(3):327–33 (Eng. Abstr.) **(Cze)**
[Curviplane osteotomy in the treatment of gonarthrosis] Blaimont P. **Acta Orthop Belg** 1982 Jan–Feb;48(1):97–109 **(Fre)**
[Comparative study of 2 series of tibial osteotomies with blade-plate fixation or with compression frame] Lemaire R. **Acta Orthop Belg** 1982 Jan–Feb;48(1):157–71 (Eng. Abstr.) **(Fre)**
[The tibial component in severe valgus. Its treatment in children] Litt R, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):74–8 **(Fre)**
[Surgical treatment of femoro-tibial arthrosis] Maquet P.
Acta Orthop Belg 1982 Jan–Feb;48(1):172–89 (Eng. Abstr.) **(Fre)**
[Technics and results of derotation osteotomies in children] Chrestian P. **Rev Chir Orthop** 1982;68(1):32–5 **(Fre)**
[Results of derotation osteotomies in the adult] Lerat JL, et al. **Rev Chir Orthop** 1982;68(1):64–6 **(Fre)**
[Indications for the correction of torsion disorders of the lower limbs in the adult] Lerat JL. **Rev Chir Orthop** 1982;68(1):66–70 **(Fre)**
[Progressive tibial lengthening in children (author's transl)] Rigault P, et al. **Rev Chir Orthop** 1981;67(4):461–72 (Eng. Abstr.) **(Fre)**
[Tibial derotation osteotomy in the adult. Technic and complications] Segal P, et al. **Rev Chir Orthop** 1982;68(1):61–3 **(Fre)**
[Traumatology of the growth plate] Häring M.
Fortschr Med 1981 Nov 26;99(44):1858–62 (Eng. Abstr.) **(Ger)**
[Directional osteotomy without osteosynthesis in the treatment of arthrosic genu varum] Borgogno G, et al.
Arch Putti Chir Organi Mov 1980;30:323–32 (Eng. Abstr.) **(Ita)**
[Tibio-peroneal osteotomy in arthrosis of the knee] Cozzolino F, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):617–23 **(Ita)**
[Lengthening of the tibia in children (considerations on 24 operated cases)] Dal Monte A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):451–60 (Eng. Abstr.) **(Ita)**
[Patellar pathology and tibial osteotomy in gonarthrosis] Gandolfi M, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):437–49 (Eng. Abstr.) **(Ita)**
[High tibial osteotomy. A surgical technical detail] Pellacci F, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):513–7 **(Ita)**
[Surgical detachment of the pes anserinus muscles and the medial collateral ligament as a supplement to high osteotomy in the treatment of arthrosic genu varum] Ranieri L, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):577–84 (Eng. Abstr.) **(Ita)**
[Directional tibial osteotomy in gonarthrosis] Trinchi E, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):629–39 (Eng. Abstr.) **(Ita)**
[Clinical evaluation of the effectiveness of tibial osteotomy in the treatment of gonarthrosis] George J, et al.
Chir Narzadow Ruchu Ortop Pol 1981;46(3):241–5 (Eng. Abstr.) **(Pol)**
[Surgical treatment of chronic osteomyelitis] Zakharov II, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):66–8 (Eng. Abstr.) **(Rus)**
[Results of surgical thickening, modeling and leg elongation under ambulatory conditions] Ilizarov GA, et al.
Ortop Travmatol Protez 1981 Oct;(10):23–6 **(Rus)**
[Is osteotomy of the tibial condyles indicated in rheumatoid arthritis?] Jungmichel D. **Ortop Travmatol Protez** 1981 Jul;(7):51–2 **(Rus)**
[Filling bone defects with osteo-periosteal-muscular transplant on the nutrient pedicle] L'vov BM, et al.
Ortop Travmatol Protez 1981 Oct;(10):62–3 **(Rus)**
[Attachment to the Ilizarov apparatus for reposition and fixation of the anterior and posterior borders of the tibia] Podval'nyĭ AIu, et al. **Ortop Travmatol Protez** 1982 Jan;(1):52–4 **(Rus)**
[Correlation of the biomechanical and functional characteristics of soft tissue after crural bone lengthening by the Ilizarov method] Shchurov VA, et al.
Ortop Travmatol Protez 1981 Oct;(10):30–4 (Eng. Abstr.) **(Rus)**
[Osteotomy of the tibia as a method of treating gonarthrosis] Simenach BI, et al. **Ortop Travmatol Protez** 1982;(5):68–74 (101 ref.) **(Rus)**
[Radioisotope studies in double distraction epiphyseolysis of the tibia] Sveshnikov AA, et al.
Ortop Travmatol Protez 1981 Oct;(10):27–30 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Allograft replacement of the proximal tibia. Nelson CL, et al. **J Arkansas Med Soc** 1982 May;78(12):479–82

ULTRASTRUCTURE

Adamantinoma of long bones: clinical, pathological and ultrastructural features. Pieterse AS, et al. **J Clin Pathol** 1982 Jul;35(7):780–6
[Adamantinoma of the tibia. Case study. Ultrastructural examination and review of the literature (author's transl)] Scheiner C, et al. **Arch Anat Cytol Pathol** 1982;30(2):99–108 (Eng. Abstr.) **(Fre)**

TIBIAL FRACTURES

Osteomedullographic studies in electrically stimulated experimental fracture healing. Gupta RC, et al.
Indian J Med Res 1982 Mar;75:446–52
[Fractures of the distal epiphysis of the tibia] De Palma L, et al. **Arch Putti Chir Organi Mov** 1981;31:331–41 (Eng. Abstr.) **(Ita)**

BLOOD

[Serum properdin and sialic acid levels in fractures of the lower limbs] Beliakov AA, et al.
Ortop Travmatol Protez 1981 Aug;(8):21–4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Tibial intercondylar fractures in children: a review of the classification and the treatment of mal-union. Fyfe IS, et al. **Injury** 1981 Sep;13(2):165–9

COMPLICATIONS

Valgus deformity after fracture of the proximal tibial metaphysis in childhood. Visser JD, et al.
Acta Orthop Scand 1982 Aug;53(4):663–7
Venous insufficiency as a late complication after tibial fracture. Willén J, et al. **Acta Orthop Scand** 1982 Feb;53(1):149–53
Malignant lymphoma associated with internal fixation of a fractured tibia. McDonald I. **Cancer** 1981 Aug 15;48(4):1009–11
Open tibia fracture with compartment syndrome. DeLee JCU, et al. **Clin Orthop** 1981 Oct;(160):175–84
Superior dislocation of the fibular head associated with a tibia fracture. Shelbourne KD, et al. **Clin Orthop** 1981 Oct;(160):172–4
Posttraumatic valgus deformity of the tibia. Herring JA, et al. **J Pediatr Orthop** 1981;1(4):435–9
[Ligamentous tears associated with tibial condylar fractures (author's transl)] Dejour H, et al. **Rev Chir Orthop** 1981;67(6):593–8 (Eng. Abstr.) **(Fre)**
[Posttraumatic growth disorders of the lower extremity] Jaster D. **Beitr Orthop Traumatol** 1981 Dec;28(12):649–55 (Eng. Abstr.) **(Ger)**
[Syndrome of posttraumatic paresis of the tibial nerve (author's transl)] Wulle C. **Unfallchirurgie** 1981 Oct;7(5):260–1 **(Ger)**
[Homolateral diaphyseal fractures of the femur and lower leg] Burini M, et al. **Arch Putti Chir Organi Mov** 1980;30:281–91 (Eng. Abstr.) **(Ita)**
[Review of 41 cases of homolateral and simultaneous fracture of the femur and tibia] Del Buono F, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):10–3 **(Ita)**
[Influence on bone growth of extra-epiphyseal fractures of the long bones in children] Baccarani G, et al.
Chir Organi Mov 1979 Jul–Aug;65(4):483–9 (Eng. Abstr.) **(Ita)**
[A typical sports injury in adolescents: detachment of the tibial tuberosity. Presentation of a case with associated avulsion of the patellar tendon] Nardini C, et al.
Chir Organi Mov 1981;66(5):465–72 (Eng. Abstr.) **(Ita)**
[Management of multiple bone fractures] Rusakov AB.
Voen Med Zh 1982 Feb;(2):48–9 **(Rus)**

CONGENITAL

Pathology and natural history of congenital pseudarthrosis of the tibia. Boyd HB. **Clin Orthop** 1982 Jun;(166):5–13
Congenital pseudoarthrosis of the tibia: treatment with pulsing electromagnetic fields. Kort JS, et al.
Clin Orthop 1982 May;(165):124–37
Congenital pseudarthrosis of the tibia. Factors that affect results. Morrissy RT. **Clin Orthop** 1982 Jun;(166):21–7
Congenital pseudarthrosis of the tibia. A long-term follow-up study. Murray HH, et al. **Clin Orthop** 1982 Jun;(166):14–20

DIAGNOSIS

Recurrent tibial stress fractures in a jogger. Schlefman BS, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):577–9
Fracture of the lateral tibial plateau. Millard IL.
J Arkansas Med Soc 1981 Aug;78(3):132–3
Simultaneous osteochondral avulsion of the femoral and tibial insertions of the anterior cruciate ligament. Report of a case in a thirteen-year-old boy. Robinson SC, et al.
J Bone Joint Surg [Am] 1981 Oct;63A(8):1342–3
The arthroscope in tibial plateau fractures: its use in evaluation of soft tissue and bony injury. Reiner MJ.
JAOA 1982 Jun;81(10):704–7

DRUG THERAPY

[Calcitonin in orthopedics and traumatology] Calistri A.
Clin Ter 1982 Mar 31;100(6):613–9 **(Ita)**

ETIOLOGY

Bilateral femoral and tibial shaft stress fractures in a runner. Blatz DJ. **Am J Sports Med** 1981 Sep–Oct;9(5):322–5
Patellar tendon avulsion as a complication of Osgood-Schlatter's disease. Bowers KD Jr.
Am J Sports Med 1981 Nov–Dec;9(6):356–9
Morphological bone changes in shin splints. Johnell O, et al. **Clin Orthop** 1982 Jul;(167):180–4
Shin pain in a ballet dancer. Round MJ, et al. **IMJ** 1982 Feb;161(2):109–11
Case report 192. Neonatal fractures mimicking abuse secondary to physical therapy. Pickett WJ 3d, et al.
Skeletal Radiol 1982;8(1):85–6
[Pathologic fractures after arthroplasty (author's transl)] Gächter A. **Orthopade** 1982 Apr;11(2):67–71 **(Ger)**
[Stress fractures of the tibia, fibula and metatarsals--a result of increase in inappropriate strain] Riepenhausen U.
ZFA (Dresden) 1982;37(2):111–3 **(Ger)**
[Skeletal lesions caused by gunshot wounds: analysis of the damage as related to to the risk of infection] Rubinacci A, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):505–10 **(Ita)**
[Tibial fractures in skiing] Hemborg A, et al.
Lakartidningen 1982 Jan 20;79(3):119–22 **(Swe)**

METABOLISM

[Experimental nuclear medical examinations with the replacement of extended defects on the long bones (author's transl)] Sveshnikov AA, et al. **Radiol Diagn (Berl)** 1981;22(6):823–31 (Eng. Abstr.) **(Ger)**
[Effect of potassium orotate on the metabolism of various vitamins in patients with long bone fractures] Kuzdenbaeva RS, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):76–7 **(Rus)**

PATHOLOGY

Fracture typing to human bone by assault missile trauma. Robens W, et al. **Acta Chir Scand [Suppl]** 1982;508:223–7
[Pathological anatomy and therapeutic indications of tibial condylar fractures (author's transl)] Nael JF, et al.
Ann Chir 1982 Jan;36(1):5–12 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Quantitative investigations on newly-built bone and defects. Its time-dependent changes of morphological and biomechanical properties. Claes L, et al.
Arch Orthop Trauma Surg 1981;98(4):257–61
The time course of 99Tcm-Sn-polyphosphate scintimetry of normally healing tibial fractures in man. Greiff J.
Injury 1981 Jul;13(1):69–75
The 99Tcm-Sn-polyphosphate scintimetric time course of human tibial fractures with delayed union or pseudarthrosis. Greiff J. **Injury** 1982 Jan;13(4):279–86
Compression injury of the epiphyseal growth plate: fact or fiction? Peterson HA, et al. **J Pediatr Orthop** 1981;1(4):377–84
Biomechanical evaluation of bilateral tibial spiral fractures during skiing--a case study. Zernicke RF.
Med Sci Sports Exerc 1981;13(4):243–5

RADIOGRAPHY

Insufficiency fractures in the tibial condyles in elderly individuals. Bauer G, et al.

Acta Radiol [Diagn] (Stockh) 1981;22(5):619–22
Measurement of tibial torsion by computer tomography. Jend HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):271–6
Injuries of the distal tibial epiphysis: systematic radiographic evaluation. Mac Nealy GA, et al. **AJR** 1982 Apr; 138(4):683–9
Roentgen stereophotogrammetric study of growth pattern after fracture through tibial shaft, ankle, and heel. Case report. Kärrholm J, et al. **Arch Orthop Trauma Surg** 1982; 99(4):253–8
Triplane distal tibial epiphyseal fracture. Peiró A, et al. **Clin Orthop** 1981 Oct;(160):196–200
Osteomedulloangiography: a method of estimating the consolidation prognosis of tibial shaft fractures. Puranen J, et al. **Clin Orthop** 1981 Nov–Dec;(161):8–14
Computed tomography of stress fractures. Somer K, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):109–15
Computed tomography of intraarticular supination – eversion fractures of the ankle in adolescents. Kärrholm J, et al. **J Pediatr Orthop** 1981;1(2):181–7
The hidden adolescent ankle fracture. Letts RM. **J Pediatr Orthop** 1982 Jun;2(2):161–4
Stress fractures in runners. Daffner RH, et al. **JAMA** 1982 Feb 19;247(7):1039–41
Stress fractures of the proximal tibia in runners. Daffner RH, et al. **Radiology** 1982 Jan;142(1):63–5
Computed tomography of stress fracture. Murcia M, et al. **Skeletal Radiol** 1982;8(3):193–5

RADIONUCLIDE IMAGING

Three phase bone scan findings in stress fracture. Park CH, et al. **Clin Nucl Med** 1981 Dec;6(12):587–8
Can serial scintigraphic studies detect delayed fracture union in man? O'Reilly RJ, et al. **Clin Orthop** 1981 Oct; (160):227–32
Gallium–67 uptake in a stress fracture [letter] Marta JB, et al. **J Nucl Med** 1982 Mar;23(3):271–2

REHABILITATION

[Simple self production of an articular splint and its use on the lower extremity] Machan FG. **Zentralbl Chir** 1981; 106(18):1227–30 **(Ger)**

SURGERY

The dorsalis pedis flap for lower leg reconstruction. Krag C, et al. **Acta Orthop Scand** 1982 Jun;53(3):487–93
Infected non–union of the tibial shaft treated by Küntscher intramedullary reaming and n ail fixation. A report of four cases. Lidgren L, et al. **Acta Orthop Scand** 1982 Aug; 53(4):669–74
Diaphyseal fractures of both bones of the lower leg with associated injury of the ankle mortise. Woersdoerfer O, et al. **Arch Orthop Trauma Surg** 1981;98(4):293–6
The use of Lotte's nail in the treatment of nonunion of the tibia. Bernhang AM, et al. **Bull Hosp Joint Dis** 1981; 41:57–62
Osteolysis after rigid fixation. The possible role of periosteal neural mechanoreceptors in bone remodeling. Aro H, et al. **Clin Orthop** 1982 Jun;(166):292–300
Nonunion of the tibia treated with Küntscher intramedullary nailing. Clancey GJ, et al. **Clin Orthop** 1982 Jul;(167):191–6
Treatment of congenital pseudarthrosis of the tibia with free vascularized bone graft. Hagan KF, et al. **Clin Orthop** 1982 Jun;(166):34–44
Fracture healing in the rat tibia: open medullary pin versus closed medullary pin insertion. Kernek CB, et al. **Clin Orthop** 1981 Oct;(160):290–4
Amputation for congenital pseudarthrosis of the tibia. Indications and techniques. McCarthy RE. **Clin Orthop** 1982 Jun;(166):58–61
Flexible intramedullary nailing of tibial–shaft fractures. Pankovich AM, et al. **Clin Orthop** 1981 Oct;(160):185–95
Displaced, unstable ankle fractures: classification, incidence, and management of a consecutive series. Purvis GD. **Clin Orthop** 1982 May;(165):91–8
Results of bone grafts in the treatment of tibial fractures. Skelley JW, et al. **Clin Orthop** 1981 Jul–Aug;(158):108–10
Surgical treatment of congenital pseudarthrosis of the tibia. Umber JS, et al. **Clin Orthop** 1982 Jun;(166):28–33
Fractures of the shaft of the tibia treated with AO–compression osteosynthesis. Christensen J, et al. **Injury** 1982 Jan;13(4):307–14
Tension band wiring of avulsion fractures of the medial malleolus: a modified technique minimizing soft tissue injury. Cleak DK, et al. **Injury** 1982 May;13(6):519–20
Meralgia paresthetica as a complication of bone grafting [letter] Good CJ. **Injury** 1981 Nov;13(3):260
The outcome of severe tibial injury. Hutchins PM. **Injury** 1981 Nov;13(3):216–9
The treatment of osteitis complicating tibial fractures. Juttmann JW, et al. **Injury** 1981 Nov;13(3):210–5
Management of fissure fractures in Paget's disease. Redden JF, et al. **Int Orthop** 1981;5(2):103–6
Partial fibulectomy for ununited fractures of the tibia. DeLee JC, et al. **J Bone Joint Surg [Am]** 1981 Dec;63–A(9):1390–5
Intramedullary nailing in segmental tibial fractures. Melis GC, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1310–8
The role of arthroscopic surgery in the treatment of fractures of the intercondylar eminence of the tibia. McLennan JG. **J Bone Joint Surg [Br]** 1982;64(4):477–80
The use of semi–rigid carbon–fibre–reinforced plastic plates for fixation of human fractures. Results of preliminary trials. Tayton K, et al. **J Bone Joint Surg [Br]** 1982; 64(1):105–11
Tibial tuberosity avulsion fracture in adolescents. Christie MJ, et al. **J Pediatr Orthop** 1981;1(4):391–4
The medial triplane fracture: report of an unusual injury. Denton JR, et al. **J Trauma** 1981 Nov;21(11):991–5
Bone grafting for nonunion of fractures of the tibia: a critical review. Gershuni DH, et al. **J Trauma** 1982 Jan;22(1):43–9
Microvascular free–tissue transfer [letter] Brown PW. **N Engl J Med** 1982 Jul 15;307(3):185
Case report: operative correction of abnormal central epiphyseal plate closure by transmetaphyseal bone–bridge resection and implantation of fat. Visser JD, et al. **Neth J Surg** 1981 Aug;33(3):140–5
Use of the soleus muscle flap to cover part of the distal tibia. Wright JK, et al. **Plast Reconstr Surg** 1981 Dec;68(6):957–8
External fixation of tibial fractures at Groote Schuur Hospital, Cape town. Allerton KE, et al. **S Afr Med J** 1981 Sep 26;60(13):496–501
[Meduallary nailing of tibia in treatment of shaft of tibia–fibula fracture: analysis of 148 cases (author's transl)] Li HE. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):234–5 (Eng. Abstr.) **(Chi)**
[Results and sequelae in surgically treated diaphyseal fractures of the lower leg] Matušu I, et al. **Rozhl Chir** 1981 Aug;60(8):529–33 (Eng. Abstr.) **(Cze)**
[Spiral diaphyseal fracture of the tibia treated with the Watson–Jones method of screw osteosynthesis.] Hede A, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):123–9 (Eng. Abstr.) **(Fre)**
[Comparative results of surgical treatment of 156 diaphyseal leg fractures. Respective indications for nailing and plate osteosynthesis] Mestdagh H. **Acta Orthop Belg** 1982 Mar–Apr;48(2):367–75 **(Fre)**
[Isolated fractures of the tibial diaphysis (author's transl)] Gérard Y, et al. **Chirurgie** 1981;107(8):608–13 (Eng. Abstr.) **(Fre)**
[Open fractures of the tibia—study of 818 cases (author's transl)] Ramadier JO, et al. **Int Orthop** 1981;5(3):169–82 (Eng. Abstr.) **(Fre)**
[Plate fixation in fractures of the tibial plateau (author's transl)] Chaix O, et al. **Rev Chir Orthop** 1982;68(3):189–97 (Eng. Abstr.) **(Fre)**
[Fractures of the anterolateral tubercle of the distal tibial epiphysis in adolescence (author's transl)] Gille P, et al. **Rev Chir Orthop** 1981;67(7):675–80 (Eng. Abstr.) **(Fre)**
[Postero–medial approach to the knee (author's transl)] Trillat A. **Rev Chir Orthop** 1981;67(3):373–4 (Eng. Abstr.) **(Fre)**
[Tibio–fibular graft as a treatment of non–union of the tibia (author's transl)] Vidal J, et al. **Rev Chir Orthop** 1982; 68(2):123–32 (Eng. Abstr.) **(Fre)**
[Load stability in relation to the osteosynthesis method, course and complications in open lower–leg fractures with severe soft tissue lesions] Etter C, et al. **Aktuel Traumatol** 1982 Apr;12(2):78–82 (Eng. Abstr.) **(Ger)**
[A contribution to the treatment of the proximal metaphyseal tibia fracture in children (author's transl)] Potthoff H. **Aktuel Traumatol** 1982 Jun;12(3):127–8 (Eng. Abstr.) **(Ger)**
[Restorative surgery on the lower leg using muscular shifting grafts — anatomical and clinical aspects (author's transl)] Püschmann H, et al. **Aktuel Traumatol** 1980 Oct;10(5):281–5 (Eng. Abstr.) **(Ger)**
[Clinical application and results with fixateur externe in septic and aseptic osteosyntheses at the lower extremity (author's transl)] Schmidt HG, et al. **Aktuel Traumatol** 1982 Apr; 12(2):69–77 (Eng. Abstr.) **(Ger)**
[Animal experimental studies on 'bone welding' by ultrasound (author's transl)] Veihelmann D, et al. **Aktuel Traumatol** 1981 Dec;11(6):203–9 (Eng. Abstr.) **(Ger)**
[Persistent coma following reposition of a tibial fracture under general anaesthesia — anesthetic consideration (author's transl)] Plötz K, et al. **Anasth Intensivther Notfallmed** 1982 Apr;17(2):102–3 **(Ger)**
[The fixateur–externe–osteosynthesis without osseous support (external distance–osteosynthesis) in the lower limbs. Biomechanic, surgical and osteoplastic basic principles (author's transl)] Müller KH, et al. **Arch Orthop Trauma Surg** 1981;99(2):117–30 (Eng. Abstr.) **(Ger)**
[Phemister bone graft surgery in delayed healing and pseudarthrosis after lower leg fractures] Seyffarth G, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):152–8 (Eng. Abstr.) **(Ger)**
[The positioning of the lower extremity. A new splint regimen] Giebel G, et al. **Chirurg** 1981 Dec;52(12):791–4 **(Ger)**
[Protein catabolism and tourniquet shock: the role of proteolytic enzymes] Hörl M, et al. **Chirurg** 1982 Apr; 53(4):253–7 (Eng. Abstr.) **(Ger)**
[Rare complication in tibial intramedullary nailing with the AO–instrument by fracture of the marrow cavity irrigation pipe] Korsten HD. **Chirurg** 1981 Sep;52(9):600–1 **(Ger)**
[Experimental studies on the effect of thyrocalcitonin on secondary bone healing (author's transl)] Falter EW, et al. **Langenbecks Arch Chir** 1982;356(1):77–81 (Eng. Abstr.) **(Ger)**
[Serum results following experimental fracture alignment and thyrocalcitonin treatment (author's transl)] Falter EW, et al. **Langenbecks Arch Chir** 1982;356(1):71–6 (Eng. Abstr.) **(Ger)**
[Comparative investigations on the stability of fracture fixations with different fixateurs externes (author's transl)] Claes L, et al. **Unfallchirurgie** 1981 Aug;7(4):194–7 (Eng. Abstr.) **(Ger)**
[Increase in stability of the fixation external using a modified steinmann–pin for cancellous bone (author's transl)] Faensen M, et al. **Unfallheilkunde** 1981 Sep;84(9):382–6 (Eng. Abstr.) **(Ger)**
[Treatment of tibial fractures of children by the percutaneous cerclage method. Indicatic and results (author's transl)] Schwarz N. **Unfallheilkunde** 1981 Nov;84(11):469–75 (Eng. Abstr.) **(Ger)**
[Therapeutic principles in third degree open fractures of the distal lower leg (author's transl)] Tassler H. **Unfallheilkunde** 1981 Dec;84(12):509–13 (Eng. Abstr.) **(Ger)**
[The proximal fracture of the lower leg in adolescence. Cause and prophylaxis of the posttraumatic genu valgum (author's transl)] von Laer L, et al. **Unfallheilkunde** 1982 Jun; 85(6):215–25 (Eng. Abstr.) **(Ger)**
[The 'uncompleted' in growth: the transitional fracture of the distal tibia (author's transl)] von Laer L. **Unfallheilkunde** 1981 Sep;84(9):373–81 (Eng. Abstr.) **(Ger)**
[Classification of osteosynthesis of diaphyseal fractures of the lower extremity in the treatment of polytraumatized patients] Fischer W, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 1;75(3):119–23 **(Ger)**
[Re–osteosynthesis in tibial fractures as a result of deficient primary care] Pollok E, et al. **Z Arztl Fortbild (Jena)** 1982 Feb 15;76(4):132–4 **(Ger)**
[Combined plastic bridging of a post–traumatic osseous defect of the tibia in the sense of compound osteosynthesis in elderly patients (author's transl)] Becker D. **Z Orthop** 1981 Aug;119(4):412–5 (Eng. Abstr.) **(Ger)**
[Sympathectomy and bone circulation (animal experiments) (author's transl)] Köcher W, et al. **Zentralbl Chir** 1981; 106(13):862–72 (Eng. Abstr.) **(Ger)**
[Indications and contraindications in the use of the MacIntosh tibial plateau prosthesis] Langer G, et al. **Zentralbl Chir** 1981;106(6):408–12 **(Ger)**
[The treatment of the distal epiphyseal fracture of the tibia (author's transl)] Dósa G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):241–6 (Eng. Abstr.) **(Hun)**
[Serious errors in the management of fractures of the extremities] Gyulai M. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):156–8 **(Hun)**
[Epiphyseolysis as a result of tear on the upper tibia (author's transl)] Jókai I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):28–32 (Eng. Abstr.) **(Hun)**
[Internal fixation (with functional stability) of impression fractures of the tibial condyle with a modified plate. I (author's transl)] Manninger J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(2):108–20 (Eng. Abstr.) **(Hun)**
[Recent fractures of the tibial spine. Diagnostic and therapeutic criteria] Fabbriciani C, et al. **Arch Putti Chir Organi Mov** 1980;30:231–47 (Eng. Abstr.) **(Ita)**
[Errors of technic and other causes of error in intramedullary osteosynthesis of tibial fractures] Baccarani G, et al. **Chir Organi Mov** 1979 Sep–Oct;65(5):531–8 (Eng. Abstr.) **(Ita)**
[Therapeutic considerations on infected diaphyseal pseudarthrosis of the leg] Bonicoli F, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):645–51 (Eng. Abstr.) **(Ita)**
[Our experience in the treatment of closed fractures of the tibial plateau] Canteri L, et al. **Chir Organi Mov** 1981 May–Jun;66(3):371–9 (Eng. Abstr.) **(Ita)**
[Compression osteosynthesis in diaphyseal fractures of the femur and tibia] Greco B, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):429–35 (Eng. Abstr.) **(Ita)**
[Treatment of exposed fractures of the leg, using the Hoffman external fixation apparatus] Surace A, et al. **Chir Organi Mov** 1979 Mar–Apr;65(2):135–40 (Eng. Abstr.) **(Ita)**
[External distraction–compression apparatus of our construction (type CZ–2) for the treatment of fractures] Czyrny S. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(2):103–6 (Eng. Abstr.) **(Pol)**
[Modified AO bone screw in the surgical treatment of fractures of the medial malleolus (preliminary report)] Halek S, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):509–11 **(Pol)**
[Immunological basis of brephoplasty in children] Govallo VI, et al. **Ortop Travmatol Protez** 1981 Oct;(10):17–9 (Eng. Abstr.) **(Rus)**
[Treatment of osteoepiphysiolysis of the distal end of the tibia] Jókai I, et al. **Ortop Travmatol Protez** 1981 Jan; (1):52–3 **(Rus)**
[Outcome of reimplantation of large diaphyseal fragments in double tibial fractures complicated by osteomyelitis] Lebedev AA. **Ortop Travmatol Protez** 1982 Mar;(3):36–8 **(Rus)**
[Attachment to the Ilizarov apparatus for reposition and

fixation of the anterior and posterior borders of the tibia] Podval'nyĭ AIu, et al. **Ortop Travmatol Protez** 1982 Jan;(1):52–4 **(Rus)**

[Percutaneous osteosynthesis with compressing pins in oblique and spiral fractures of the crural bones in children] Rakov NA, et al. **Ortop Travmatol Protez** 1982 Apr;(4):42 **(Rus)**

[Theoretical aspects of the use of bone screws in tibial fractures] Shumada IV, et al. **Ortop Travmatol Protez** 1982 Mar;(3):14–7 **(Rus)**

[Results of electrostimulation of bone regeneration during the surgical treatment of tibial fractures] Tkachenko SS, et al. **Ortop Travmatol Protez** 1982 Mar;(3):4–9 **(Rus)**

[Osteosynthesis with the Ilizarov apparatus in open and closed diaphyseal fractures of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Jan;(1):21–4 (Eng. Abstr.) **(Rus)**

[Use of plates in the treatment of patients with tibial fractures] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Mar;(3):22–4 **(Rus)**

[Treatment of open and gunshot diaphyseal fractures of the bones of the leg] Trubnikov VF, et al. **Ortop Travmatol Protez** 1982 Apr;(4):5–8 **(Rus)**

[Treatment of closed fractures of the tibia] Okhotskiĭ VP, et al. **Sov Med** 1981;(10):106–8 **(Rus)**

[Single-step osteosynthesis with metal pins of crural and femoral fractures] Suvalian AG, et al. **Sov Med** 1981;(12):96–7 **(Rus)**

[Osteosynthesis in compound diaphyseal fractures of the leg] Arutiunian DV. **Vestn Khir** 1982 Jan;128(1):91–5 (Eng. Abstr.) **(Rus)**

[New developments in treating malleolar fractures and injuries to the inferior tibiofibular articulation] Edinak AN, et al. **Vestn Khir** 1981 Jul;127(7):122–4 **(Rus)**

[Effect of the level of a tibial fracture on the functional recovery of the leg in fixation of the fragments with the Ilizarov apparatus] Kudrin BI, et al. **Vestn Khir** 1982 Mar;128(3):110–3 (Eng. Abstr.) **(Rus)**

[Errors and complications of the treatment of closed diaphyseal and metaphyseal fractures] Lukin AV. **Vestn Khir** 1981 Sep;127(9):121–6 (Eng. Abstr.) **(Rus)**

THERAPY

Tibial fractures treated with Hoffmann's external fixation: a comparative analysis of Hoffmann bilateral frames and the Vidal-Adrey double frame modification. Benum P, et al. **Acta Orthop Scand** 1982 Jun;53(3):471–6

Valgus deformity following proximal tibial metaphyseal fracture in children. Skak SV. **Acta Orthop Scand** 1982 Feb;53(1):141–7

Congenital pseudoarthrosis of the tibia: treatment with pulsing electromagnetic fields. Kort JS, et al. **Clin Orthop** 1982 May;(165):124–37

The treatment of congenital pseudarthrosis of the tibia with pulsing electromagnetic fields. A survey of 52 cases. Sutcliffe ML, et al. **Clin Orthop** 1982 Jun;(166):45–57

Surgical and electrical methods in the treatment of congenital and posttraumatic pseudarthrosis of the tibia. von Satzger G, et al. **Clin Orthop** 1981 Nov-Dec;(161):82–104

Repair of nonunions by electrically pulsed current stimulation. Zichner L. **Clin Orthop** 1981 Nov-Dec;(161):115–21

The Sarmiento tibial plaster: a prospective study of 145 fractures. Austin RT. **Injury** 1981 Jul;13(1):10–22

Controlled pressure casting of tibial fractures: a preliminary report. Bedford AF, et al. **Injury** 1981 Jul;13(1):27–33

Orthoplast brace for the treatment of tibial shaft fractures. Suman RK. **Injury** 1981 Sep;13(2):133–8

The mechanical performance of the standard Hoffmann-Vidal external fixation apparatus. Briggs BT, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):566–73

The use of cast-bracing as treatment for fractures of the tibial plateau. Scotland T, et al. **J Bone Joint Surg [Br]** 1981;63B(4):575–8

Compartmental pressure changes during calcaneal traction in tibial fractures. Shakespeare DT, et al. **J Bone Joint Surg [Br]** 1982;64(4):498–9

Pulsing electromagnetic fields in the treatment of non-union of fractures. Caullay JM, et al. **J R Coll Surg Edinb** 1982 Mar;27(2):102–7

Surgical treatment of tibial fractures by internal fixation. Bongers KJ. **Neth J Surg** 1982 Mar;34(1):35–9

[The influence of early weight-bearing on the healing of tibial shaft fractures (author's transl)] Komprda J. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):148–54 (Eng. Abstr.) **(Cze)**

[Isolated fractures of the tibial diaphyses] Gerard Y, et al. **Acta Orthop Belg** 1982 Mar-Apr;48(2):357–66 **(Fre)**

[Treatment of pseudoarthrosis by electromagnetic stimulation] Hinsenkamp MG. **Rev Med Brux** 1982 Jan;3(1):19–28 (Eng. Abstr.) **(Fre)**

[The pros and cons of postponed primary osteosynthesis (author's transl)] Breyer HG, et al. **Aktuel Traumatol** 1980 Dec;10(6):327–31 (Eng. Abstr.) **(Ger)**

[Secondary intramedullary nailing osteosynthesis in primarily conservative treatment of fractures of tibia and fibula shafts (author's transl)] Siebert H, et al. **Aktuel Traumatol** 1980 Oct;10(5):269–79 (Eng. Abstr.) **(Ger)**

[A new test procedure to examine the stability of external fixation clamps—demonstrated with the Stuhler-Heise external fixation system (author's transl)] Ungethüm M, et al. **Biomed Tech (Berlin)** 1981 Jul-Aug;26(7-8):175–81 (Eng. Abstr.) **(Ger)**

[Measuring technique for determining load during external compression osteosynthesis (author's transl)] Müller KH, et al. **Unfallheilkunde** 1982 Mar;85(3):85–94 (Eng. Abstr.) **(Ger)**

[Ambulatory treatment of lower leg fractures in children] Weisser M. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):246–9 **(Ger)**

[Outpatient management of lower extremity fractures (author's transl)] Wondrák E. **Zentralbl Chir** 1982;107(9):498–504 (Eng. Abstr.) **(Ger)**

[Fractures of the intercondylar eminence of the tibia] Aglietti P, et al. **Arch Putti Chir Organi Mov** 1980;30:249–58 (Eng. Abstr.) **(Ita)**

[Fractures of the tibial plateau (case studies)] Scarfi' G, et al. **Arch Putti Chir Organi Mov** 1981;31:413–20 **(Ita)**

[Treatment of bicondylar fractures and those of the external lateral condyle with Kerboull's shaped plates] Alecci V, et al. **Chir Organi Mov** 1981;66(5):381–6 (Eng. Abstr.) **(Ita)**

[Treatment of torpid and traumatic fractures in rheumatoid arthritis] Pisano F, et al. **Chir Organi Mov** 1981;66(2):197–201 **(Ita)**

[Electric stimulation of bone regeneration in the treatment of ununited fractures and pseudarthroses] Tkachenko SS, et al. **Ortop Travmatol Protez** 1982 Jan;(1):4–8 (Eng. Abstr.) **(Pol)**

[Radon baths in the complex treatment of fractures of the long bones] Kaplii AN. **Ortop Travmatol Protez** 1981 Oct;(10):47–50 (Eng. Abstr.) **(Rus)**

[Electric stimulation of bone regeneration in the treatment of gunshot fractures] Rutskiĭ VV, et al. **Ortop Travmatol Protez** 1981 Oct;(10):8–11 (Eng. Abstr.) **(Rus)**

[Treatment of closed injuries of the talocrural joint] Nikitin GD, et al. **Vestn Khir** 1982 Apr;128(4):91–5 **(Rus)**

[Prevention of complications in treating intra-articular fractures of the tibial condyles] Tkebuchava GI. **Voen Med Zh** 1982 Jun;(6):24–8 **(Rus)**

[Radon baths in the complex treatment of patients with autonomic dystrophy and delayed consolidation of tibial fractures] Frantsen IuK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec;(6):54–5 **(Rus)**

VETERINARY

Fracture of the tibial tuberosity in a polo pony. Gerring EL, et al. **Equine Vet J** 1982 Apr;14(2):158–9

Internal fixation of a tibial fracture in an adult horse. Bramlage LR, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1090–4

What is your diagnosis? Irregular mineralized densities in the origin of the long digital extensor and irregular margins with bone lucency of the extensor fossa. Stickle RL, et al. **J Am Vet Med Assoc** 1981 Oct 1;179(7):715–6

Use of a bone plate for repair of proximal physeal fractures of the tibia in two foals. White NA 2d, et al. **J Am Vet Med Assoc** 1982 Aug 1;181(3):252–4

TIBIAL MENISCUS see **SEMILUNAR CARTILAGES**

TIBIAL NERVE

[A case of tarsal tunnel syndrome caused by neurinoma of the medial plantar nerve] Sanguinetti C, et al. **Arch Putti Chir Organi Mov** 1981;31:421–3 **(Ita)**

[A case of lipoma involving the tibial nerve] Crescente D, et al. **Chir Organi Mov** 1979 Nov-Dec;65(6):759–61 **(Ita)**

ANATOMY & HISTOLOGY

Surgical and ethnic anatomy of the relationships between the small saphenous vein and the common peroneal and tibial nerves in adult males. Rodrigues de Souza R, et al. **Acta Anat (Basel)** 1982;111(3):277–80

DRUG EFFECTS

Quantitative cytochemical assessment of the neurotoxicity of misonidazole in the mouse. Clarke C, et al. **Br J Cancer** 1982 Apr;45(4):582–7

METABOLISM

Glycogen accumulation in tibial nerves of experimentally diabetic and aging control rats. Moore SA, et al. **J Neurol Sci** 1981 Nov-Dec;52(2-3):289–303

PHYSIOLOGY

Sensory nerve conduction velocity of cutaneous afferents of the radial, ulnar, peroneal, and tibial nerves of the dog: reference values. Redding RW, et al. **Am J Vet Res** 1982 Mar;43(3):517–21

Paradoxical lateralization of cortical potentials evoked by stimulation of posterior tibial nerve. Cruse R, et al. **Arch Neurol** 1982 Apr;39(4):222–5

Compound nerve action potentials of the medial and lateral plantar nerves through the tarsal tunnel. Saeed MA, et al. **Arch Phys Med Rehabil** 1982 Jul;63(7):304–7

Short latency somatosensory evoked spinal and scalp-recorded potentials following posterior tibial nerve stimulation in man. Kakigi R, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun;53(6):602–11

Origin of far-field subcortical potentials evoked by stimulation of the posterior tibial nerve. Lueders H, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):336–44

Conducted and segmental components of the somatosensory cervical response. Leandri M, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):718–22

Analysis of conduction velocity in the H pathway. Part 1. Methodology and results in normal subjects. Troni W. **J Neurol Sci** 1981 Aug;51(2):223–33

[Dysfunction of femoral and tibial nerves in the horse in the light of clinical and anatomical experiments (author's transl)] Marolt J, et al. **DTW** 1982 May 6;89(5):189–92 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Somatosensory evoked potentials following tibial nerve stimulation in multiple sclerosis and space-occupying spinal cord diseases. Riffel B, et al. **Adv Neurol** 1982;32:493–500

Standardized technique for diagnosis of tarsal tunnel syndrome. Irani KD, et al. **Am J Phys Med** 1982 Feb;61(1):26–31

Scalp-recorded somatosensory evoked potentials to stimulation of nerves in the lower extremities and evaluation of patients with spinal cord trauma. Perot PL Jr, et al. **Ann NY Acad Sci** 1982;388:359–68

Sensory nerve conduction in the human spinal cord: epidural recordings made during scoliosis surgery. Jones SJ, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):446–51

Changes in peripheral nerve fibres distal to a constriction. Baba M, et al. **J Neurol Sci** 1982 May;54(2):197–208

[The study of distal sensitive conduction in the child: some observations (author's transl)] Touraine A, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov;11(2):169–73 (Eng. Abstr.) **(Fre)**

[Syndrome of posttraumatic paresis of the tibial nerve (author's transl)] Wulle C. **Unfallchirurgie** 1981 Oct;7(5):260–1 **(Ger)**

SURGERY

[Axonal regressive changes in experimental epineurotomy of the rat tibial nerve: ultrastructural aspects] Catalano F, et al. **Arch Putti Chir Organi Mov** 1980;30:133–42 (Eng. Abstr.) **(Ita)**

TIBRIC ACID see under **PIPERIDINES**

TIC

Neuropsychiatric aspects of tics and spasms. Tibbetts RW. **Br J Hosp Med** 1981 May;25(5):454, 456–7, 459 passim

CLASSIFICATION

Tics and tremors. Golden GS, et al. **Pediatr Clin North Am** 1982 Feb;29(1):95–103

DIAGNOSIS

Tics and Tourette syndrome. Singer HS. **Johns Hopkins Med J** 1982 Jul;151(1):30–5

[Pathogenesis and treatment of tic-type hyperkinesis in children] Bondarenko ES, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1449–56 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Trigeminal neuralgia and hemifacial spasm caused by the compression of tortuous vertebro-basilar system—a case report (author's transl)] Niizuma H, et al. **No Shinkei Geka** 1981 Sep;9(10):1167–70 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Familial pattern and transmission of Gilles de la Tourette syndrome and multiple tics. Pauls DL, et al. **Arch Gen Psychiatry** 1981 Oct;38(10):1091–3

PHYSIOPATHOLOGY

Simple tics in Gilles de la Tourette's syndrome are not prefaced by a normal premovement EEG potential. Obeso JA, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):735–8

PSYCHOLOGY

A tic, a dream and the primal scene. Silber A. **Int J Psychoanal** 1981;62(3):259–69

SURGERY

Hemifacial spasm: treatment by posterior fossa surgery. Liu KN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1235–9

THERAPY

Tics, twitches and habit spasms. Golden GS. **Curr Probl Pediatr** 1978 Apr;8(6):29–41

[Treatment of facial spasms by acupuncture of facial nerve trunk (author's transl)] Zhang FC.

Chung Hua Kou Chiang Ko Tsa Chih 1980 Mar;15(1):55–6 **(Chi)**

VETERINARY

Forelimb tic in a horse. Beech J. **J Am Vet Med Assoc** 1982 Feb 1;180(3):258–60

TICARCILLIN see under **PENICILLINS**

TICK CONTROL

METHODS

Control of the lone star tick in Oklahoma parks through vegetative management. Mount GA. **J Econ Entomol** 1981 Apr;74(2):173–5

TICK INFESTATIONS

BLOOD

Blood eosinophil and basophil responses in guinea pigs parasitized by Amblyomma americanum ticks. Brown SJ, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):593–8

IMMUNOLOGY

Lack of effect of immunity to crab chitin on tick infestations of rats and rabbits. Ackerman S, et al. **Acarologia** 1981 Jun; 22(2):127–31

Rabbits infested with adult Ixodes ricinus L.: effects of mepyramine on acquired resistance. Brossard M. **Experientia** 1982 Jun 15;38(6):702–4

Cutaneous basophil-associated resistance to ectoparasites (ticks). I. Transfer with immune serum or immune cells. Askenase PW, et al. **Immunology** 1982 Mar;45(3):501–11

Ablation of immunity to Amblyomma americanum by anti-basophil serum: cooperation between basophils and eosinophils in expression of immunity to ectoparasites (ticks) in guinea pigs. Brown SJ, et al. **J Immunol** 1982 Aug;129(2):790–6

Relationship between skin-sensitizing antibody production in the Eastern Cottontail, Sylvilagus floridanus, and infestations by the rabbit tick, Haemaphysalis leporispalustris, and the American dog tick, Dermacentor variabilis (Acari: Ixodidae). McGowan MJ, et al. **J Med Entomol** 1982 Mar 24;19(2):198–203

Passage of host serum components, including antibody, across the digestive tract of Dermacentor variabilis (Say). Ackerman S, et al. **J Parasitol** 1981 Oct;67(5):737–40

Resistance and cross-resistance of guinea pigs to Dermacentor andersoni Stiles, D. variabilis (Say), Amblyomma americanum (Linnaeus), and Ixodes scapularis Say. McTier TL, et al. **J Parasitol** 1981 Dec;67(6):813–22

Observations on the behaviour of Dermacentor andersoni larvae infesting normal and tick resistant guinea-pigs. Allen JR, et al. **Parasitology** 1982 Apr;84(Pt 2):195–204

METABOLISM

Histamine content of tick attachment sites and the effects of H1 and H2 histamine antagonists on the expression of resistance. Wikel SK. **Ann Trop Med Parasitol** 1982 Apr; 76(2):179–85

PATHOLOGY

Ixodes dammini: induced skin lesions in guinea pigs and rabbits compared to erythema chronicum migrans in patients with lyme arthritis. Krinsky WL, et al. **Exp Parasitol** 1982 Jun;53(3):381–95

THERAPY

Human 'seed tick' infestation. Amblyomma americanum larvae. Jones BE. **Arch Dermatol** 1981 Dec;117(12):812–4

VETERINARY

Host acquisition by Ornithodoros capensis Neumann (Ixodoidea: Argasidae). Humphery-Smith I, et al. **Ann Parasitol Hum Comp** 1981;56(3):353–7

The transmission of Babesia bovis in herds of European and Zebu x European cattle infested with the tick, Boophilus microplus. Mahoney DF, et al. **Aust Vet J** 1981 Oct; 57(10):461–9

Evaluation of the potential of systemic slow release chemical treatments for control of the cattle tick (Boophilus microplus) using ivermectin. Nolan J, et al. **Aust Vet J** 1981 Nov;57(11):493–7

A survey for resistance in cattle ticks to acaricides. Roulston WJ, et al. **Aust Vet J** 1981 Aug;57(8):362–71

Breeding for resistance to Boophilus microplus in Australian Illawarra Shorthorn and Brahman x Australian Illawarra Shorthorn cattle. Utech KB, et al. **Aust Vet J** 1982 Feb; 58(2):41–6

Investigation of febrile illness in exotic and cross-bred sheep from Sheep Farm, Palamner in Andhra Pradesh. Ghalsasi GR, et al. **Indian J Med Res** 1981 Sep;74:325–31

Control of ticks systemically with Merck MK-933, an avermectin. Drummond RO, et al. **J Econ Entomol** 1981 Aug;74(4):432–6

The influence of ectoparasites (ticks and mites) on host serum enzymes. El Kammah KM, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):71–9

Ectoparasites of wild canids from the Gulf Coastal Prairies of Texas and Louisiana. Pence DB, et al. **J Med Entomol** 1981 Sep;18(5):409–12

Relationship between ticks and Zebu cattle in southern Uganda. Kaiser MN, et al. **Trop Anim Health Prod** 1982 May;14(2):63–74

Pyrexia in response to Rhipicephalus appendiculatus infestation in calves. Lutu WZ. **Trop Anim Health Prod** 1982 Feb;14(1):37–43

[Seasonal variations in the parasitic activity of the cattle tick Boophilus microplus (Acari, Ixodidae), in New Caledonia] Daynes P, et al. **Rev Elev Med Vet Pays Trop** 1980; 33(3):305–10 (Eng. Abstr.) **(Fre)**

[Sectional classification of the toxicity of the paralysis-inducing female Rhipicephalus evertsi evertsi Neumann, 1897, during repletion] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):37–50 (Eng. Abstr.) **(Ger)**

[Respiration of the honey bee (Apis mellifera L.) in Varroa infestation] Byzova IuB, et al. **Dokl Akad Nauk SSSR** 1982; 263(1):235–8 **(Rus)**

TICK PARALYSIS see under **TICK TOXICOSES**

TICK TOXICOSES

HISTORY

South African tick-bite fever (1931–1981). Findlay GH. **S Afr Med J** 1981 Dec 26;60(26):998–1000

PHYSIOPATHOLOGY

[A seasonal neurologic disease: paralysis following tick-bites (author's transl)] Lefebvre P. **Sem Hop Paris** 1981 Nov 18–25;57(42–44):1809–14 (Eng. Abstr.) **(Fre)**

[Neurological disease caused by a tick-bite (letter)] Matías-Guiu Guía J, et al. **Med Clin (Barc)** 1982 Mar 16; 78(6):257–8 **(Spa)**

VETERINARY

Paralysis by Rocky Mountain wood ticks (Acari: Ixodidae) of cattle breeds other than Hereford. Wilkinson PR. **J Med Entomol** 1982 Mar 24;19(2):215–6

Rhipicephalus appendiculatus: cause and vector of diseases in Africa. De Vos AJ. **J S Afr Vet Assoc** 1981 Dec; 52(4):315–22 (91 ref.)

[Fatal neurological syndrome in a collared dove (Streptopelia decaocto) and fixation of ixodes pari (= I. frontalis) tick (author's transl)] Chastel C, et al. **Ann Parasitol Hum Comp** 1981;56(3):349–51 (Eng. Abstr.) **(Fre)**

[Species-typical paralysis inducing ability of Argus persicus and Argas africolumbae populations from Upper Volta] Gothe R, et al. **Berl Munch Tierarztl Wochenschr** 1981 Aug 1;94(15):299–302 **(Ger)**

[Plasma lysozyme activity in tick paralysis of sheep caused by Rhipicephalus evertsi evertsi] Nolte I, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):143–5 (Eng. Abstr.) **(Ger)**

[Action potentials and conduction velocities of the tibial nerve in sheep paralysis caused by Rhipicephalus evertsi evertsi] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1982 Apr;29(3):186–92 (Eng. Abstr.) **(Ger)**

[Neurophysiopathology of Rhipicephalus evertsi evertsi paralysis] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):241–8 (Eng. Abstr.) **(Ger)**

[Antitoxic immunity in Rhipicephalus evertsi evertsi–paralysis in sheep] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):107–18 (Eng. Abstr.) **(Ger)**

[Sectional classification of the toxicity of the paralysis-inducing female Rhipicephalus evertsi evertsi Neumann, 1897, during repletion] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):37–50 (Eng. Abstr.) **(Ger)**

TICKS

Lyme disease. Dembert ML. **Am Fam Physician** 1982 Jun; 25(6):121–4

Laboratory tests with new tick repellents. Novák D. **Arch Roum Pathol Exp Microbiol** 1981 Jul–Sep;40(3):287–8

The embedded tick. Murtagh J. **Aust Fam Physician** 1982 Jan;11(1):45

A survey for resistance in cattle ticks to acaricides. Roulston WJ, et al. **Aust Vet J** 1981 Aug;57(8):362–71

Distribution of Haemaphysalis concinna Koch in the Soviet Union and some general features of its ecology. Lebedeva NN, et al. **Folia Parasitol (Praha)** 1981;28(3):249–61

Continuous cell lines from embryonic tissues of ticks (Acari: Ixodidae). Yunker CE, et al. **In Vitro** 1981 Feb;17(2):139–42

Lyme arthritis—report of a case in Arkansas. Thurlby WR. **J Arkansas Med Soc** 1981 Sep;78(4):152–4

A note on attachment sites of Rhipicephalus sanguineus (Lat.) (Acarina) on Indian hedgehog Hemiechinus auritus collaris (Gray) (Insectivora : Erinacidae). Maheshwari UK, et al. **J Commun Dis** 1981 Jun;13(2):140–1

Ixodes dammini (Acari: Ixodidae) in forests in Connecticut. Carey MG, et al. **J Med Entomol** 1981 Apr;18(2):175–6

Partial characterization of a unique female diploid cell strain from the tick Boophilus microplus (Acari: Ixodidae). Holman PJ. **J Med Entomol** 1981 Feb 20;18(1):84–8

Wear and wash persistence of permethrin used as a clothing treatment for personal protection against the lone star tick (Acari: Ixodidae). Schreck CE, et al. **J Med Entomol** 1982 Mar 24;19(2):143–6

Ixodes signatus (Ixodoidea: Ixodidae) parasitizing Pigeon Guillemots on the Channel islands, California. Schwan TG, et al. **J Med Entomol** 1981 Apr;18(2):171–2

Resistance to organophosphorus ixodicides [letter]. Spickett AM. **J S Afr Vet Assoc** 1981 Jun;52(2):154

Red macule is pathognomonic; antibiotics help [news] Gunby P. **JAMA** 1982 Aug 20;248(7):813

Blisters, pruritus, and fever after bites by the Arabian tick Ornithodoros (Alectorobius) muesebecki. Hoogstraal H, et al. **Lancet** 1982 Aug 7;2(8293):288–9

Lyme disease and erythema chronicum migrans in Minnesota. Williams DN, et al. **Minn Med** 1982 Apr;65(4):217–221

Ecological studies on Ixodes (Afrixodes) matopi Spickett, Keirans, Norval & Clifford, 1980 (Acarina: Ixodidae). Colborne J, et al. **Onderstepoort J Vet Res** 1981 Mar; 48(1):31–5

Studies on a bovine Babesia transmitted by Hyalomma marginatum rufipes Koch, 1844. Gray JS, et al. **Onderstepoort J Vet Res** 1981 Dec;48(4):215–23

The retention of Babesia bigemina infection by Boophilus decoloratus exposed to imidocarb dipropionate during engorgement. Gray JS, et al. **Onderstepoort J Vet Res** 1981 Dec;48(4):225–7

An investigation into the toxic principle in eggs of the tick Amblyomma hebraeum. Neitz AW, et al. **Onderstepoort J Vet Res** 1981 Jun;48(2):109–117

Theileriosis annulata and its transmission–a review. Robinson PM. **Trop Anim Health Prod** 1982 Feb;14(1):3–12 (70 ref.)

Persistent insect bite granuloma in a dog. Walder EJ, et al. **Vet Pathol** 1981 Nov;18(6):839–41

Experimental transmission of Babesia bigemina and Anaplasma marginale to calves with the larvae of Boophilus decoloratus. Akinboade OA, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):329–32

[Distribution and epidemiological value of Rhipicephalus turanicus. Ecology of the species in the South-Mediterranean part of France (author's transl)] Gilot B, et al. **Ann Parasitol Hum Comp** 1981;56(5):547–58 (Eng. Abstr.) **(Fre)**

[Tick bites and paraspecific serologic reactions to Rickettsia conori] Edlinger E. **Arch Inst Pasteur Tunis** 1981 Sep–Dec; 58(3):345–53 (Eng. Abstr.) **(Fre)**

[Tick bite: a study by scanning electron microscopy (author's transl)] Aoki K, et al. **Nippon Hifuka Gakkai Zasshi** 1982 Jan 15;92(1):23–7 **(Jpn)**

[Absolute count of hungry adult Ixodes persulcatus ticks (Ixodidae) by the sample area method] Korenberg EI, et al. **Parazitologiia** 1982 May–Jun;16(3):224–9 (Eng. Abstr.) **(Rus)**

[Organ culture of the argasid tick Ornithodoros papillipes (Argasidae)] Kriuchechnikov VN, et al. **Parazitologiia** 1982 May–Jun;16(3):253–5 **(Rus)**

ANALYSIS

Quantitative studies on the proteins, free fatty acids and glycogen contents of eggs of Amblyomma variegatum (Fabr) and Boophilus decoloratus (Koch) (ticks, Ixodoidea: Ixodidae). Iwuala MO, et al. **Acarologia** 1981 Jun; 22(2):133–43

ANATOMY & HISTOLOGY

Structure and function in tick cuticle. Hackman RH. **Annu Rev Entomol** 1982;27:75–95 (75 ref.)

Tick bites: a study using scanning electron microscopy. Aoki K, et al. **J Dermatol (Tokyo)** 1982 Feb;9(1):79–84

Cuticular sense organs of three species of Rhipicephalus ticks (Ixodoidea : Ixodidae). Hafez M, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):135–40

Bilateral gynandromorphism in Dermacentor andersoni (Acari: Ixodidae): morphologic and cytogenetic analysis. Homsher PJ, et al. **J Med Entomol** 1981 Feb 20;18(1):89–91

Haemaphysalis (Garnhamphysalis) mjoebergi: identity, structural variation and biosystematic implications, deer hosts, and distribution in Borneo and Sumatra (Ixodoidea: Ixodidae). Hoogstraal H, et al. **J Parasitol** 1982 Feb; 68(1):138–44

Notes on African Haemaphysalis ticks, XIII. identity of H. (Rhipistoma) cooleyi, a parasite of the rock hyrax in South Africa (Acarina: Ixodidae). Hoogstraal H, et al. **Onderstepoort J Vet Res** 1981 Sep;48(3):135–40

Ixodes (Afrixodes) matopi n. sp. (Acarina: Ixodidae): a tick found aggregating on pre-orbital gland scent marks of the klipspringer in Zimbabwe. Spickett AM, et al. **Onderstepoort J Vet Res** 1981 Mar;48(1):23–30

Rhipicephalus zambeziensis sp. Nov., a new tick from eastern and southern africa, together with a redescription of Rhipicephalus appendiculatus Neumann, 1901 (Acarina, Ixodidae). Walker JB, et al. **Onderstepoort J Vet Res** 1981 Jun;48(2):87–104

The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 35. The lateral segmental organs and peritracheal gland in immature and adult A. (P.) arboreus. Roshdy MA, et al. **Z Parasitenkd** 1982;66(3):335–43

The subgenus Persicargas (Ixodoidea: Argasidae: Argas). 36. structure and postembryonic development of the neurohemal organ in A. (P.) arboreus. Roshdy MA, et al. **Z Parasitenkd** 1982;66(3):345–51

[Histology of the foveal glands in Rhipicephalus evertsi evertsi Neumann, 1897] Gothe R, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15;94(24):492–6 (Eng. Abstr.) **(Ger)**

[Possible reason for ovipositor death in the laboratory breeding of argasid ticks] Sidorov VE. **Med Parazitol (Mosk)** 1982 Jan–Feb;51(1):59–60 **(Rus)**

CLASSIFICATION

Hyalomma (Hyalommina) arabica sp. n. parasitizing goats and sheep in the Yemen Arab Republic and Saudi Arabia. Pegram RG, et al. **J Parasitol** 1982 Feb;68(1):150–6

[Finding of the tick Haemaphysalis phasiana (Ixodidae) in the southern part of the Far East] Bolotin EI. **Parazitologiia** 1982 Jan–Feb;16(1):83–4 **(Rus)**

[Diagnosis of species of the genus Dermacentor Koch from Central Asia by the nymphal phase (Ixodoidea, Ixodidae)] Filippova NA, et al. **Parazitologiia** 1981 Sep–Oct; 15(5):441–50 (Eng. Abstr.) **(Rus)**

[2d finding of the ixodid tick Dermacentor raskemensis (Ixodidae) in USSR territory] Ogandzhanian AM. **Parazitologiia** 1982 Mar–Apr;16(2):162–3 **(Rus)**

CYTOLOGY

The culture of embryonic cells from the tick Hyalomma rufipes rufipes (Koch, 1844). Rahman MH. **Ann Trop Med Parasitol** 1981 Oct;75(5):573–4

DRUG EFFECTS

Immediate and latent effects induced by the antiallatotropin precocene 2(P2) on embryonic Dermacentor variabilis (Say) (Acari: Ixodidae). Hayes MJ, et al. **J Parasitol** 1981 Dec;67(6):923–7

EMBRYOLOGY

Biochemical studies of tick embryogenesis. V. Purification and partial characterization of isocitrate lyase from eggs of the tick Hyalomma dromedarii. Kamel MY, et al. **Comp Biochem Physiol [B]** 1982;72(1):107–15

ENZYMOLOGY

A dopamine sensitive adenylate cyclase in the salivary glands of Amblyomma americanum (L.). Schmidt SP, et al. **Comp Biochem Physiol [C]** 1982;72(1):9–14

GENETICS

Trials on cross-mating between three species of Rhipicephalus sanguineus group (Ixodoidea : Ixodidae). Hafez M, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):261–7

GROWTH & DEVELOPMENT

Amblyomma ticks found on cattle in the northwest of Argentina. Preliminary report. Guglielmore AA, et al. **Ann Parasitol Hum Comp** 1982;57(1):91–7

Correlations between integument structure and ecdysteroid titers in fifth-stage nymphs of the tick, Ornithodoros moubata (Murray, 1877; sensu Walton, 1962). Germond JE, et al. **Gen Comp Endocrinol** 1982 Feb;46(2):255–66

The life-cycle of Rhipicephalus haemaphysaloides haemaphysaloides under laboratory conditions. Ismail S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):615

Models based on weather for the development phases of the sheep tick, Ixodes ricinus L. Gardiner WP, et al. **Vet Parasitol** 1981 Oct;9(1):75–86

[Development of African ticks Ornithodoros moubata during in vitro rearing] Klunker R, et al. **Angew Parasitol** 1981 Aug;22(3):131–43 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Ablation of immunity to Amblyomma americanum by anti-basophil serum: cooperation between basophils and eosinophils in expression of immunity to ectoparasites (ticks) in guinea pigs. Brown SJ, et al. **J Immunol** 1982 Aug;129(2):790–6

Passage of host serum components, including antibody, across the digestive tract of Dermacentor variabilis (Say). Ackerman S, et al. **J Parasitol** 1981 Oct;67(5):737–40

Resistance and cross-resistance of guinea pigs to Dermacentor andersoni Stiles, D. variabilis (Say), Amblyomma americanum (Linnaeus), and Ixodes scapularis Say. McTier TL, et al. **J Parasitol** 1981 Dec;67(6):813–22

[Immune reactions of Ornithodoros papillipes ticks (Argasidae) to the administration of different microorganisms] Podboronov VM, et al. **Parazitologiia** 1982 May–Jun;16(3):238–41 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Hemaphysalis punctata Canestrini and Fanzago 1877, a tick of pastured seadunes on the island of Texel (The Netherlands). Garben AF, et al. **Acarologia** 1982 Mar; 23(1):19–25

Ornithodoros yumatensis from the southeastern brown bat (Myotis austroriparius) in Florida. Bain JR, et al. **J Parasitol** 1982 Jun;68(3):510–1

METABOLISM

The incorporation of radio-labelled nucleic acid precursors by Theileria parva in bovine blood and salivary glands of Rhipicephalus appendiculatus ticks. Irvin AD, et al. **Int J Parasitol** 1981 Dec;11(6):451–6

Evidence for a D1 dopamine receptor in the salivary glands of Amblyomma americanum (L.). Schmidt SP, et al. **J Cyclic Nucleotide Res** 1981;7(6):375–84

MICROBIOLOGY

Quaranfil virus in experimentally infected Argas (Persicargas) arboreus and A. (P.) persicus (Ixodoidea: Argasidae) during wintertime in Egypt: effect of natural and controlled conditions of temperature and relative humidity. El Kammah KM, et al. **Acarologia** 1982 Jan;22(4):343–51

A rickettsia-like organism showing positive immunofluorescence with antisera to Coxiella burnetii in Haemaphysalis inermis ticks. Kováčová E, et al. **Acta Virol (Praha)** 1981 Sep;25(5):309–14

Morphologic characteristics of colonies of Anaplasma marginale Theiler in midgut epithelial cells of Dermacentor andersoni Stiles. Kocan KM, et al. **Am J Vet Res** 1982 Apr;43(4):586–93

Influence of increased temperature on Anaplasma marginale Theiler in the gut of Dermacentor andersoni stiles. Kocan KM, et al. **Am J Vet Res** 1982 Jan;43(1):32–5

Antibodies to spotted fever-group rickettsiae in dogs and prevalence of infected ticks in southern Connecticut. Magnarelli LA, et al. **Am J Vet Res** 1982 Apr;43(4):656–9

Staining characteristics of colonies of Anaplasma marginale Theiler in Dermacentor andersoni Stiles. Oberst RD, et al. **Am J Vet Res** 1981 Nov;42(11):2006–9

Immunocytochemical labeling of Anaplasma marginale Theiler in Dermacentor andersoni Stiles with peroxidase-antiperoxidase technique. Staats JJ, et al. **Am J Vet Res** 1982 Jun;43(6):979–83

Experimental transmission of Cowdria ruminantium by the Gulf coast tick Amblyomma maculatum: danger of introducing heartwater and benign African theileriasis onto the American mainland. Uilenberg G. **Am J Vet Res** 1982 Jul;43(7):1279–82

Studies on Bunyaviridae including Zaliv Terpeniya virus isolated from Ixodes uriae ticks (Acarina: Ixodidae) in Brittany, France. Chastel C, et al. **Arch Virol** 1981; 70(4):357–66

Infectivity for cattle of Anaplasma marginale extracted from Boophilus microplus ticks exposed to certain temperatures. Dalgliesh RJ, et al. **Aust Vet J** 1982 Jan;58(1):24–6

The Australian brown dog tick Rhipicephalus sanguineus as an experimental parasite of cattle and vector of Anaplasma marginale. Parker RJ. **Aust Vet J** 1982 Feb;58(2):47–50

Penetration of the peritrophic membrane of the tick by Babesia microti. Rudzinska MA, et al. **Cell Tissue Res** 1982; 221(3):471–81

Possible role of birds and ticks in the dissemination of Bhanja virus. Hubálek Z, et al. **Folia Parasitol (Praha)** 1982; 29(1):85–95

Spirochete isolated in tick vectors of Lyme disease [news] **Hosp Pract** 1982 Aug;17(8):46, 54–5

Experimental infection of causes mosquitoes & ticks with Ganjam virus. Dandawate CN, et al. **Indian J Exp Biol** 1981 Dec;19(12):1185–6

Tick-borne rickettsioses in Karnataka. Padbidri VS, et al. **Indian J Med Res** 1982 Apr;75:507–14

Qualitative studies of the transmission of Nairobi sheep disease virus by Rhipicephalus appendiculatus (Ixodoidea, ixodidae). Davies FG, et al. **J Comp Pathol** 1982 Jan; 92(1):15–20

Karai virus, a probable arbovirus isolated from sheep and from the tick Rhipicephalus evertsi in Kenya. Davies FG. **J Comp Pathol** 1982 Jan;92(1):9–14

Orbiviruses and bunyaviruses from a seabird colony in Scotland. Nuttall PA, et al. **J Gen Virol** 1981 Nov;57(Pt 1):127–37

Acaricidal bacteria infecting laboratory colonies of the tick Boophilus decoloratus (Acarina: Ixodidae). Hendry DA, et al. **J Invertebr Pathol** 1981 Jul;38(1):149–51

First isolations of Barur virus (Rhabdoviridae) from ticks (Acari: Ixodidae) in Africa. Butenko AM, et al. **J Med Entomol** 1981 Jun;18(3):232–4

Quaranfil virus from Hyalomma dromedarii (Acari: Ixodoidea) collected in Kuwait, Iraq and Yemen. Converse JD, et al. **J Med Entomol** 1982 Mar 24;19(2):209–10

Kadam virus (Togaviridae, Flavivirus) infecting camel-parasitizing Hyalomma dromedarii ticks (Acari: Ixodidae) in Saudi Arabia. Wood OL, et al. **J Med Entomol** 1982 Mar 24;19(2):207–8

Tickborne viruses in western North America. III. Viruses from man-biting ticks (Acari: Ixodidae) in Oregon. Yunker CE, et al. **J Med Entomol** 1981 Nov 30;18(6):457–63

Lyme disease: spirochetes up to old ticks? [news] Gunby P. **JAMA** 1982 Aug 20;248(7):812–3

Some effects of 60Co irradiation on Cowdria ruminantium in its tick host Amblyomma hebraeum Koch (Acarina: Ixodidae). Spickett AM, et al. **Onderstepoort J Vet Res** 1981 Mar;48(1):13–4

Lyme disease-a tick-borne spirochetosis? Burgdorfer W, et al. **Science** 1982 Jun 18;216(4552):1317–9

Isolation of infectious bovine rhinotracheitis virus from the soft-shelled tick, Ornithodoros coriaceus. Taylor RE, et al. **Science** 1982 Apr 16;216(4543):300–1

Tularemia: review of eight cases of tick-borne infection and the epidemiology of the disease in Georgia. López CE, et al. **South Med J** 1982 Apr;75(4):405–7

Punta Salinas virus (Hughes group) from argas arboreus (Ixodoidea: Argasidae) in Tanzania [letter] Converse JD, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):755–6

[Ecological aspects of Pseudomonas pseudomallei interactions with ixodid ticks] Kharbov D, et al. **Acta Microbiol Bulg** 1981;8:17–24 (Eng. Abstr.) **(Bul)**

[Experimental transmission of the yellow fever virus by the tick Amblyomma variegatum (F.) (author's transl)] Cornet JP, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr; 75(2):136–40 (Eng. Abstr.) **(Fre)**

[Treatment of Borrelia infected ticks (author's transl)] Karimi Y. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr;75(2):131–5 (Eng. Abstr.) **(Fre)**

[Amblyomma astrion Dönitz, 1909 (ixodidae), a new experimental vector of heartwater disease] Uilenberg G, et al. **Rev Elev Med Vet Pays Trop** 1981;34(3):267–70 (Eng. Abstr.) **(Fre)**

[The transmission of tick-borne encephalitis in Switzerland. An attempt at establishing a register of natural reservoirs for a seroepidemiologic examination of forest personnel in the middle of the country] Matile H, et al. **Schweiz Med Wochenschr** 1981 Aug 29;111(35):1262–9 (Eng. Abstr.) **(Ger)**

[Reproductive characteristics of the tick-borne encephalitis and Powassan viruses in Dermacentor silvarum imago explants removed from the nymphal cuticle] Chunikhin SP, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):61–4 (Eng. Abstr.) **(Rus)**

[Interrelations of Borrelia and Ornithodorus in connection with the maintenance of natural foci of tick-borne relapsing fever] Gromov OA, et al. **Tr Inst Pastera** 1980;55:91–4 **(Rus)**

[Detection of a natural focus of tick-borne encephalitis in Central Slovakia. I. Results of isolation experiments and serological surveys (author's transl)] Grešíková M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):257–63 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Electron microscopic study on the development of Babesia ovis (Piroplasmia) in the salivary glands of the vector tick Rhipicephalus bursa. Moltmann UG, et al. **Acta Trop (Basel)** 1982 Mar;39(1):29–40

Babesia microti: infectivity of parasites from ticks for hamsters and white-footed mice. Piesman J, et al. **Exp Parasitol** 1982 Apr;53(2):242–8

Theileria annulata and Babesia ovis: ultracytochemical lactic dehydrogenase activity of sporozoites in salivary glands of female ticks, Hyalomma anatolicum excavatum and Rhipicephalus bursa. Weber G. **Exp Parasitol** 1982 Jun; 53(3):326–34

Experimental transmission of some blood parasites by Phipicephalus species in Egypt. I. The role of R. turanicus in transmitting Theileria species in sheep. Hafez M, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):287–93

The effects of the piroplasm Babesia bigemina on the survival and reproduction of the blue, tick, Boophilus decoloratus. Gray JS. **J Invertebr Pathol** 1982 May;39(3):413–5

Production of Rhipicephalus appendiculatus with high infections of Theileria parva. Young AS, et al. **J Parasitol** 1981 Oct;67(5):751–2

Ultrastructural study of the development of Babesia ovis (Piroplasmia) in the ovary of the vector tick Rhipicephalus bursa. Moltmann UG, et al. **J Protozool** 1982 Feb; 29(1):30–8

Observations on the transmission of Theileria mutans in South Africa. De Vos AJ, et al. **Onderstepoort J Vet Res** 1981 Mar;48(1):1–6

Increased numbers of strahlenkörper in Boophilus microplus ticks ingesting a blood-passaged strain of Babesia bigemina. Dalgliesh RJ, et al. **Res Vet Sci** 1981 Nov;31(3):350–2

A note on the transmission of Babesia bovis (syn B argentina) by the one-host tick, Boophilus microplus. Mahoney DF, et al. **Res Vet Sci** 1979 Mar;26(2):253–4

Artificial infection of the tick Rhipicephalus appendiculatus with Theileria parva. Walker AR, et al. **Res Vet Sci** 1979 Mar;26(2):264–5

Experimental transmission of Babesia bigemina in sheep using infective larval tick of Boophilus decoloratus. Akinboade OA. **Rev Elev Med Vet Pays Trop** 1981;34(3):271–3

Salivary gland of the tick vector of East Coast fever. IV. Cell type selectivity and host cell responses to Theileria parva. Fawcett DW, et al. **Tissue Cell** 1982;14(2):397–414

Salivary gland of the tick vector of East Coast fever. III. The ultrastructure of sporogony in Theileria parva. Fawcett DW, et al. **Tissue Cell** 1982;14(1):183–206

Relative infectivity of Theileria annulata (Dchunkovsky and Luhs, 1904) stabilates derived from female and male Hyalomma excavatum (Koch, 1844) ticks. Pipano E, et al. **Vet Parasitol** 1982 Mar;10(1):21–7

Hyalomma anatolicum anatolicum (Koch, 1844) as a possible vector for transmission of Trypanosoma theileri, Laveran, 1902 in cattle. Shastri UV, et al. **Vet Parasitol** 1981 Dec; 9(2):151–5

[Parasite-host relations of babesiae as a cause of disease in animals] Nikol'skij SN. **Angew Parasitol** 1981 Aug; 22(3):121–3 **(Ger)**

[A study on the transmission (transstadial, transovarial) of Babesia microti, strain 'Hannover i', in its tick vector, Ixodes ricinus (author's transl)] Walter G, et al. **Tropenmed Parasitol** 1981 Dec;32(4):228–30 (Eng. Abstr.) **(Ger)**

[Transmission of Babesia microti by nymphs of Dermacentor marginatus, D. reticulatus, Haemaphysalis punctata, Rhipicephalus sanguineus and Ixodes hexagonus] Walter G. **Z Parasitenkd** 1982;66(3):353-4 **(Ger)**

PATHOGENICITY

Rhipicephalus appendiculatus: cause and vector of diseases in Africa. De Vos AJ. **J S Afr Vet Assoc** 1981 Dec; 52(4):315-22 (91 ref.)

[Plasma lysozyme activity in tick paralysis of sheep caused by Rhipicephalus evertsi evertsi] Nolte I, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):143-5 (Eng. Abstr.) **(Ger)**

[Sectional classification of the toxicity of the paralysis-inducing female Rhipicephalus evertsi evertsi Neumann, 1897, during repletion] Gothe R, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):37-50 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Host acquisition by Ornithodoros capensis Neumann (Ixodoidea: Argasidae). Humphery-Smith I, et al. **Ann Parasitol Hum Comp** 1981;56(3):353-7

Potentiation by spiperone and other butyrophenones of fluid secretion by isolated salivary glands of ixodid ticks. Wong DL, et al. **Eur J Pharmacol** 1981 Jul 17;73(2-3):163-73

Acaricide susceptibility in the lone star tick: assay techniques and baseline data. Barnard DR, et al. **J Econ Entomol** 1981 Aug;74(4):466-9

Susceptibility of the Cayenne tick to acaricides. Drummond RO. **J Econ Entomol** 1981 Aug;74(4):470-2

Water vapour absorption and transpiration in the brown dog tick Rhipicephalus sanguineus Latr. (Ixodidae, Acarina). Hafez M, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):123-9

Change in weight and mortality rate of adult Rhipicephalus sanguineus Latreille, 1806 (Ixodoidea : Ixodidae) conditioned at different relative humidities. Hafez M, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):59-64

Overwintering of Hyaloma (H.) anatolicum (Koch, (1844)) subspecies, anatolicum and excavatum (Ixodoidea, Ixodidae) in Egypt. el-Kammah KM. **J Egypt Soc Parasitol** 1981 Dec;11(2):313-20

Parthenogenesis and effect of lack of mating on development and fecundity in Hyalomma (H.) anatolicum excavatum (Koch, 1844). el-Kammah KM. **J Egypt Soc Parasitol** 1981 Dec;11(2):253-9

Neurons sensitive to 2,6-dichlorophenol on the tarsi of the tick Amblyomma americanum (Acari: Ixodidae). Haggart DA, et al. **J Med Entomol** 1981 Jun;18(3):187-93

Suitability of birds and mammals as hosts for immature stages of the lone star tick, Amblyomma americanum (Acari: Ixodidae). Koch HG. **J Med Entomol** 1981 Apr;18(2):93-8

Protein changes in the salivary glands of the female lone star tick, Amblyomma americanum, during feeding. McSwain JL, et al. **J Parasitol** 1982 Feb;68(1):100-6

Drop-off rhythms of engorged Rhipicephalus appendiculatus (Acarina: Ixodidae). Minshull JI. **J Parasitol** 1982 Jun; 68(3):484-9

Tropical legumes of the genus Stylosanthes immobilize and kill cattle ticks. Sutherst RW, et al. **Nature** 1982 Jan 28; 295(5847):320-1

Observations on the behaviour of Dermacentor andersoni larvae infesting normal and tick resistant guinea-pigs. Allen JR, et al. **Parasitology** 1982 Apr;84(Pt 2):195-204

[Selected aspects of the host-parasite relations during invasion and reinvasion of ticks] Deryło A, et al. **Wiad Parazytol** 1980;26(6):645-61 (82 ref.) (Eng. Abstr.) **(Pol)**

[Effect of fluctuations in the host population count on ixodid tick population dynamics] Sukhanov VV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Nov-Dec;(6):938-40 (Eng. Abstr.) **(Rus)**

[Evaluation of the results of a single count of Ixodes persulcatus ticks in sample areas and the ecological problems of this species (Ixodidae)] Korenberg EI, et al. **Parazitologiia** 1981 Sep-Oct;15(5):451-8 **(Rus)**

[Differences between murine rodent species as food hosts for ixodid tick larvae (Ixodidae)] Lebedeva NN. **Parazitologiia** 1981 Sep-Oct;15(5):436-40 (Eng. Abstr.) **(Rus)**

[Improved method for the histological determination of the physiological age of ixodid ticks (Ixodidae)] Razumova IV. **Parazitologiia** 1982 May-Jun;16(3):209-18 (Eng. Abstr.) **(Rus)**

[Distribution and biological characteristics of Ixodes persulcatus (Ixodidae) ticks in the health resort zone of Leningrad] Vanuslin SA, et al. **Parazitologiia** 1981 Nov-Dec;15(6):498-505 (Eng. Abstr.) **(Rus)**

[Sex ratio in ixodid tick collections from Leningrad Province] Zolotov PE. **Parazitologiia** 1981 Sep-Oct;15(5):469-71 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Alveolar structure of salivary glands of the lone star tick, Amblyomma americanum (L.): unfed females. Krolak JM, et al. **J Parasitol** 1982 Feb;68(1):61-82

Fine structure of the foveal glands and foveae dorsales of the American dog tick, Dermacentor variabilis (Say). Sonenshine DE, et al. **J Parasitol** 1981 Oct;67(5):627-46

Ultrastructural evidence for the endocrine nature of the lateral organs of the cattle tick Boophilus microplus. Binnington K. **Tissue Cell** 1981;13(3):475-90

Salivary gland of the tick vector (R. appendiculatus) of East Coast fever. I. Ultrastructure of the type III acinus. Fawcett DW, et al. **Tissue Cell** 1981;13(2):209-30

Salivary gland of the tick vector (R. appendiculatus) of East Coast fever. II. Cellular basis for fluid secretion in the type III acinus. Fawcett DW, et al. **Tissue Cell** 1981;13(2):231-53

[Ixodes ricinus under the scanning electron microscope] Ryckmanns F, et al. **Hautarzt** 1981 Dec;32(12):655-8 (Eng. Abstr.) **(Ger)**

TICRYNAFEN see under **GLYCOLATES**

TIDAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

TIETZE'S SYNDROME

COMPLICATIONS

[Tietze's syndrome] Lucian S. **Rev Chir [Otorinolaringol]** 1981 Oct-Dec;26(4):301-3 **(Rum)**

DIAGNOSIS

[The thoracic segmentary pain syndrome; facet syndrome] Bechgaard P. **Ugeskr Laeger** 1982 Jan 4;144(1):11-3 (Eng. Abstr.) **(Dan)**

PATHOLOGY

[Lesion of the sternoclavicular joints in Tietze's syndrome] Greida BP. **Ortop Travmatol Protez** 1981 Sep;(9):46-7 **(Rus)**

RADIOGRAPHY

[Abdominal pain in the thoracic facet syndrome] Elsborg L. **Ugeskr Laeger** 1982 Jan 4;144(1):16-8 (Eng. Abstr.) **(Dan)**

SURGERY

[Clinical manifestations and treatment of osteomyelitis and chondritis of ribs] Tsybyrné KA, et al. **Grudn Khir** 1982 Mar-Apr;(2):58-61 (Eng. Abstr.) **(Rus)**

TILETAMINE see under **CYCLOHEXANES**

TILIDINE see under **CYCLOHEXANECARBOXYLIC ACIDS**

TILORONE see under **FLUORENES**

TIME

Time: the fourth dimension in medicine. **Acta Diabetol Lat** 1982 Apr-Jun;19(2):181-2

The life cycle of the family: the adolescent's sense of time. Toews J, et al. **Adolesc Psychiatry** 1981;9:180-98

Exposure to pollutants and daily time budgets of people. Moschandreas DJ. **Bull NY Acad Med** 1981 Dec; 57(10):845-59

Feeding frequency and energy balance in adult males. Dallosso HM, et al. **Hum Nutr Clin Nutr** 1982;36C(1):25-39

Aging, the use of time, and social change. Ward RA. **Int J Aging Hum Dev** 1981-82,14(3):177-87

On information process in living matter. Time and the 4th dimension. (exposé of a hypothesis). Arianova LW. **Med Hypotheses** 1981 Apr;7(4):421-7

Time characteristics of a multi-wire 4 pi beta-counter. Miyahara H, et al. **Radioisotopes** 1981 Apr;30(4):195-9

[Time as medication in general practice] Dreyfuss R. **Rev Med Suisse Romande** 1982 Jan;102(1):3-11 **(Fre)**

[More accidents due to daylight saving time? A comparative study on the distribution of accidents at different times of day prior to and following the introduction of Central European Summer Time (CEST) (author's transl)] Pfaff G, et al. **Int Arch Occup Environ Health** 1982 Feb; 49(3-4):315-23 (Eng. Abstr.) **(Ger)**

[Hygienic analysis of different routine situations in connection with the new manner of telling time in the territorial Soviet Union] Doskin VA. **Gig Sanit** 1981 Oct; (10):11-3 (Eng. Abstr.) **(Rus)**

[Time's arrow and symmetry in Nature] Bru Villaseca L. **An R Acad Nac Med (Madr)** 1981;98(3):351-68 **(Spa)**

TIME AND MOTION STUDIES see under **TASK PERFORMANCE AND ANALYSIS**

TIME FACTORS see under **TIME**

TIME PERCEPTION

On the spatio-temporal determinants of some motion effects. Caelli T. **Acta Psychol (Amst)** 1981 Aug;48(1-3):175-85

Coincident timing behavior of young mentally retarded workers under varying conditions of target velocity and exposure. Wade MG, et al. **Am J Ment Defic** 1982 May; 86(6):643-9

Catatonia: collapsed space-time. Faguet RA. **Am J Psychoanal** 1981 Spring;41(1):91-2

Man as timekeeper. Spiegel D. **Am J Psychoanal** 1981 Spring; 41(1):5-14

Dimensions of future time orientation in test anxious individuals. Gjesme T. **Arch Psychol (Frankf)** 1980; 133(4):277-91

A preliminary investigation on time perception and autonomic self-regulation. Cohen J. **Biofeedback Self Regul** 1981 Sep;6(3):289-93

Psychiatric morbidity and time zone changes: a study of patients from Heathrow airport. Jauhar P, et al. **Br J Psychiatry** 1982 Mar;140:231-5

Judged temporal order and spatial context. Collard R, et al. **Can J Psychol** 1981 Dec;35(4):323-9

'A change of pace': an investigation of the salience of maternal temporal style in mother-infant play. Arco CM, et al. **Child Dev** 1981 Sep;52(3):941-9

Subjective time experience in an intergenerational sample. Cooper PE, et al. **Int J Aging Hum Dev** 1981;13(3):183-93

Amnesia and hypnotic time estimation. St. Jean R, et al. **Int J Clin Exp Hypn** 1982 Apr;30(2):127-37

The influence of low-level, event-related DC-currents during time estimation in humans. Elbert T, et al. **Int J Neurosci** 1981;15(1-2):103-6

Temporal levels and reality testing. Fraser JT. **Int J Psychoanal** 1981;62(Pt 1):3-26

Temporal sequencing during posthypnotic amnesia: a methodological critique. Radtke HL, et al. **J Abnorm Psychol** 1981 Oct;90(5):476-85

Time urgency among coronary-prone individuals. Yarnold PR, et al. **J Abnorm Psychol** 1982 Jun;91(3):175-7

Tapeú hypnotic temporal orientation: a quasi-comparative study. Hart RR, et al. **J Am Soc Psychosom Dent Med** 1982;29(1):30-3

Sex differences in time orientation: a Jungian perspective. Squyres EM, et al. **J Anal Psychol** 1982 Jan;27(1):71-81

Changes in future time perception of day hospital psychiatric patients in response to small group treatment approaches. Kandel A, et al. **J Clin Psychol** 1981 Oct;37(4):769-81

On ego regression and prior time information effect in schizophrenia. Mo SS, et al. **J Clin Psychol** 1982 Jan; 38(1):34-8

Personality styles, manifest needs, and the perception of time in college women. Pederson SL, et al. **J Clin Psychol** 1982 Apr;38(2):346-51

Contrasting patterns in the acquisition of spatial/temporal terms. Richards MM, et al. **J Exp Child Psychol** 1981 Dec; 32(3):485-512

Temporal generalization. Church RM, et al. **J Exp Psychol [Anim Behav]** 1982 Apr;8(2):165-86

Cross-modal use of an internal clock. Roberts S. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):2-22

Discrimination of temporal jitter in patterned sequences of tones. Sorkin RD, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):46-57

Interaural and monaural clicks and clocks: tempo difference versus attention switching. ten Hoopen G, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):422-34

Auditory-visual conflicts in the perceived duration of lights, tones and gaps. Walker JT, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1327-39

The effects of fatigue on the control of a coincident timing response. Howard RM, et al. **J Gen Psychol** 1982 Apr; 106(Second Half):263-71

Number, space, and time conceptualization: the role of sensorimotor activity. Brittan E. **J Genet Psychol** 1981 Dec; 139(Second Half):307-8

Time perception in relation to pulse rate in healthy males. Surwillo WW. **J Psychol** 1982 Jan;110(1st Half):101-6

Elicited imitation in lexical development: evidence from a study of temporal reference. Keller-Cohen D. **J Psycholinguist Res** 1981 May;10(3):273-88

Conditioned reflex to time in Helix lucorum. Logunov DB. **Neurosci Behav Physiol** 1981 May-Jun;11(3):234-40

Time estimation in humans: effects of ambient illumination and sex. Delay ER, et al. **Percept Mot Skills** 1981 Dec; 53(3):747-50

Some factors influencing perceived goal distance in time: a preliminary check. Gjesme T. **Percept Mot Skills** 1981 Aug;53(1):175-82

Long-term retention of temporal information. Guay M. **Percept Mot Skills** 1982 Jun;54(3):843-9

Spatio-temporal discrimination of frequency in the right and left visual fields: a preliminary report. Rao SM, et al. **Percept Mot Skills** 1981 Aug;53(1):311-6

Rhythmic reproduction, arousal, and chosen time. Ruggieri V, et al. **Percept Mot Skills** 1982 Apr;54(2):527-37

Effects of uncertainties of time and occurrence on reaction time of mentally handicapped students. Surburg PR. **Percept Mot Skills** 1981 Oct;53(2):355-60

Comparison of cognitive tempo and time estimation by young boys. Walker NW. **Percept Mot Skills** 1982 Jun; 54(3):715-22

Rhythm and timing in skill. Shaffer LH. **Psychol Rev** 1982 Mar;89(2):109-22

Skin conductance responses to stimulus 'energy' decreases following habituation. Magliero A, et al. **Psychophysiology** 1981 Sep;18(5):549-58

[The relation between duration and succession: study of the child's 'prelogic' applied to time] Montangero J. **Annee Psychol** 1981;81(2):287-308 (Eng. Abstr.) **(Fre)**

[Longitudinal study of kinematic inferences in preadolescents and adolescents: evolution or regression] Crépault J. **Can J Psychol** 1981 Sep;35(3):244-53 (Eng. Abstr.) **(Fre)**

[The notion of time in schizophrenics] Michel L.

Rev Med Suisse Romande 1981 Jul;101(7):565–9 **(Fre)**
[Psychodiagnostic possibilities of an external rhythm generator on the psychic tempo] Kühne GE, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Jan;34(1):46–52 (Eng. Abstr.) **(Ger)**
[The effect of environmental disturbances on the perception of the duration of one's own movements] Bolotowa AK. **Z Psychol** 1981;189(4):374–80 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

[Effects of repeated administration of pyrithiamine and oxythiamine on timing behavior in rats (author's transl)] Hashimoto K. **Nippon Yakurigaku Zasshi** 1981 Dec; 78(6):521–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Methods for intramodal and cross-modal investigation of rhythms (temporal patterns) in audition, vision and touch. Mavlov L, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(1):17–24
Hippocampal seizures produce retrograde amnesia without a temporal gradient when they reset working memory. Olton DS, et al. **Behav Neural Biol** 1981 Dec;33(4):437–52
Alterations in resolution of temporal order after cerebral injury in man. Lackner JR. **Exp Neurol** 1982 Feb; 75(2):501–9
Spatial and temporal properties of cat geniculate neurones after prolonged deprivation. Derrington AM, et al. **J Physiol (Lond)** 1981 May;314:107–20
[Electroencephalographic correlates of the accuracy of the human reproduction of the time interval] Fonsova NA, et al. **Biol Nauki** 1981;(12):51–4 **(Rus)**
[Capacity for auditory time interval assessment determined using megahertz-range ultrasound] Gershuni GV, et al. **Dokl Akad Nauk SSSR** 1981;260(5):1275–7 **(Rus)**
[Temporal parameters of purposeful rat behavior] Tikhonchuk VS, et al. **Izv Akad Nauk SSSR [Biol]** 1982; (2):284–7 (Eng. Abstr.) **(Rus)**
[Evolution of the brain and the reflection of time: its relation to continuous development in the ontogeny of the neuronal memory systems] Vasilevskii NN. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):229–37 (59 ref.) **(Rus)**
[Reproduction of sound duration after different periods of human adaptation to new climatogeographic conditions] Leutin VP, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):327–9 **(Rus)**
[Effect of the destruction of the entorhinal region of the cortex on the conditioned reflex activity of animals] Mering TA, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):395–402 (Eng. Abstr.) **(Rus)**
[Participation of the prefrontal cortex in delayed spatial choice and time interval discrimination in the rhesus monkey] Moiseeva LA. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):549–52 **(Rus)**

TIMED-RELEASE PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

TIMED VITAL CAPACITY see **FORCED EXPIRATORY VOLUME**

TIMOLOL see under **PROPANOLAMINES**

TIN

A study of the mortality of Cornish tin miners. Fox AJ, et al. **Br J Ind Med** 1981 Nov;38(4):378–80
Analysis of 99mTc-pyridoxylidene-glutamate complex formation and its preparation with tin-adsorbed-resin: Sn-Resin kit method. Horiuchi K, et al. **Eur J Nucl Med** 1981 Dec;6(12):567–72
Evaluation of inorganic adsorbents for the rubidium-82 generator: I. Hydrous SnO2. Neirinckx RD, et al. **J Nucl Med** 1982 Mar;23(3):245–9

ADMINISTRATION & DOSAGE

Effects of dietary tin on zinc, copper, iron, manganese, and magnesium metabolism of adult males. Johnson MA, et al. **Am J Clin Nutr** 1982 Jun;35(6):1332–8

ANALYSIS

Atomic absorption spectrometric determination of tin in canned foods using nitric acid–hydrochloric acid digestion and nitrous oxide–acetylene flame. Dabeka RW, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1297–300
Colorimetric determination of tin(II) levels in 99mTc labelling kits. Vyth A. **Pharm Weekbl [Sci]** 1982 Jun 25; 4(3):79–82
[Investigation on the content of tin and arsenic in commercially available canned fruits (author's transl)] Suzuki T, et al. **Eisei Shikenjo Hokoku** 1981;99:125–7 (Eng. Abstr.) **(Jpn)**

BLOOD

[Determination of plasma tin by flameless atomic absorption spectrometry (author's transl)] Ogihara K, et al. **Sangyo Igaku** 1981 Jul;23(4):420–21 **(Jpn)**

DIAGNOSTIC USE

The effect of photon absorption by breast tissue in liver imaging with technetium 99m [letter] Packer S, et al. **Br J Radiol** 1982 May;55(653):379–80
Inorganic tin: chemistry, disposition and role in nuclear medicine diagnostic skeletal imaging agents. Francis MD, et al. **Int J Nucl Med Biol** 1981;8(2–3):145–52 (27 ref.)
Estimation of effective hepatic blood flow with 99mTc-Sn-colloid. Fujii M, et al. **Int J Nucl Med Biol** 1982;9(2):118–21
[Localization diagnosis and differential diagnosis of postoperative intraperitoneal abscesses using 99m technetium-stannum-colloid-marked granulocytes] Koch B, et al. **Chirurg** 1982 Mar;53(3):149–53 (Eng. Abstr.) **(Ger)**

METABOLISM

Effects of dietary tin on tin and calcium metabolism of adult males. Johnson MA, et al. **Am J Clin Nutr** 1982 Apr; 35(4):655–60
Poisoning by triphenyltin acetate. Report of two cases and determination of tin in blood and urine by neutron activation analysis. Manzo L, et al. **Clin Toxicol** 1981 Nov; 18(11):1343–53
Determination of tri-, di-, and monobutyltin and inorganic tin in biological materials and some aspects of their metabolism in rats. Iwai H, et al. **J Anal Toxicol** 1981 Nov–Dec;5(6):300–6
Comparative organotin toxicity in the developing rat: somatic and morphological changes and relationship to accumulation of total tin. Mushak P, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):209–15
Tin chlorin-isobacteriochlorin: evidence for a reversible photoredox process. Debaig-Valade C, et al. **Photochem Photobiol** 1981 Jun;33(6):899–902

PHARMACODYNAMICS

Effects of dietary tin on tin and calcium metabolism of adult males. Johnson MA, et al. **Am J Clin Nutr** 1982 Apr; 35(4):655–60
Comparative effect of SnF2, NaF, and SnCl2 on the growth of Streptococcus mutans. Mayhew RR, et al. **J Dent Res** 1981 Oct;60(10):1809–14
Changes in mineral composition and its related enzyme activity in the femur of rats orally administered stannous chloride. Yamaguchi M, et al. **J Pharmacobiodyn** 1981 Nov; 4(11):874–8
Growth cycle-dependent overproduction and accumulation of protoporphyrin IX in Tetrahymena: effect of heavy metals. Ruben L, et al. **J Protozool** 1982 May;29(2):233–8

STANDARDS

Determination of radiochemical purity and pharmacokinetic parameters of 99mTc-sulphur colloid and 99mTc-tin colloid. Jovanović V, et al. **Nuklearmedizin** 1981 Dec; 20(6):279–82

TOXICITY

A subacute toxicity study on 99m Tc stannous Glucoheptonate injection. Belbeck L, et al. **Can J Comp Med** 1981 Jul;45(3):299–303
Effect of dietary tin on zinc. Copper and iron utilization in rats. Greger JL, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):163–6
Inorganic tin in the diet affects the femur in rats. Yamaguchi M, et al. **Toxicol Lett** 1981 Nov;9(3):207–9
Tin decreases femoral calcium independently of calcium homeostasis in rats. Yamaguchi M, et al. **Toxicol Lett** 1982 Jan;10(1):7–10

TIN FLUORIDES see under **FLUORIDES**

TIN POLYPHOSPHATES see under **POLYPHOSPHATES**

TINEA

COMPLICATIONS

Diaper dermatophytosis. Parry EL, et al. **Am J Dis Child** 1982 Mar;136(3):273–4
Trichophyton rubrum. Infection of the diaper area. Cavanaugh RM Jr, et al. **Arch Dermatol** 1982 Jun; 118(6):446
Trichophyton rubrum infection and keratoderma palmaris et plantaris. Mikhail GR, et al. **Arch Dermatol** 1981 Nov; 117(11):753–4
Genetic ichthyosis and Trichophyton rubrum infection in infants. Kamalam A, et al. **Mykosen** 1982 May;25(5):281–3
[Generalized rubrophycia and thymoma (author's transl)] Otčenášek M, et al. **Cesk Dermatol** 1981 Jun;56(3):141–6 (Eng. Abstr.) **(Cze)**
[Association of psoriasis, skin basalioma and mycosis rubra] Nugmanova ML, et al. **Vestn Dermatol Venerol** 1982 Apr; (4):46–8 **(Rus)**

DIAGNOSIS

Tinea incognito [letter] Burkhart CG. **Arch Dermatol** 1981 Oct;117(10):606–7
Penile tinea. Kumar B, et al. **Mycopathologia** 1981 Sep 11; 75(3):169–77
Multiple subcutaneous Trichophyton rubrum abscesses--a case report and review of the Japanese literature. Kinbara T, et al. **Mykosen** 1981 Oct;24(10):588–93
[Rubromycosis] Shaposhnikov OK, et al. **Voen Med Zh** 1981 Oct;(10):64–6 **(Rus)**

DRUG THERAPY

Ketoconazole in Trichophyton rubrum. Laurberg G. **Acta Derm Venereol (Stockh)** 1982;62(3):273–4
Oral ketoconazole for dermatophyte infections. Cox FW, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):455–62
Therapy of superficial fungal infection. Jones HE. **Med Clin North Am** 1982 Jul;66(4):873–93
Garlic an antibiotic? [letter] Rich GE. **Med J Aust** 1982 Jan 23;1(2):60
The 'hair root invasion test', a semi-quantitative method for experimental evaluation of antimycotics in guinea-pigs. Petranyi G, et al. **Sabouraudia** 1982 Jun;20(2):101–8
[Immuntherapy and immunological investigations in dermatomycoses caused by Trichophyton rubrum (author's transl)] Halmy K, et al. **Dermatol Monatsschr** 1981 Nov; 167(11):680–4 (Eng. Abstr.) **(Ger)**
[In vivo antimycotic effect of topically applied morpholine (author's transl)] Kubis A, et al. **Pharmazie** 1981 Jun; 36(6):429–31 (Eng. Abstr.) **(Ger)**
[Fungal infection of the scalp by Trichophyton soudanense treated with ketoconazole (author's transl)] Dompmartin D, et al. **Z Hautkr** 1981 Oct 1;56(19):1276–8 (Eng. Abstr.) **(Ger)**
[Ambulatory treatment experience with rubromycosis patients] Stepanova ZhV, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):69–71 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Tinea in tattoos. Brancaccio RR, et al. **Cutis** 1981 Nov; 28(5):541–2

IMMUNOLOGY

Chronic dermatophyte infections II. Antibody and cell-mediated immune responses. Hay RJ, et al. **Br J Dermatol** 1982 Feb;106(2):191–8
[Quantitative T- and B-lymphocyte correlations in patients with T. rubrum infection, pyodermatitis, syphilis and psoriasis] Fedotov VP, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):16–21 (Eng. Abstr.) **(Rus)**
[Role of body immune reactivity in the formation of superficial and infiltrative zooanthroponotic trichophytosis] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):39–41 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Distribution of mating types among clinical isolates of the Microsporum gypseum complex. Hironaga M, et al. **Mycopathologia** 1982 Jan 15;77(1):31–5
[Trichophyton mentagrophytes var. granulosum. Principal agent of dermatophytosis in the region of Valencia] Garcia de Lomas J, et al. **Actas Dermosifiliogr** 1981 Jul–Aug; 72(7–8):377–82 (Eng. Abstr.) **(Spa)**
[Dermatophytosis caused by Trichophyton ajelloi] Alvarez DP, et al. **Mycopathologia** 1982 Jan 15;77(1):27–9 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Occurrence of Trichophyton tonsurans infections in the Danish island of Funen. Foged EK, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):159–62
Etiology of dermatophytosis in eastern Nigeria: a 7 year study. Egere JU, et al. **Mykosen** 1982 Apr;25(4):178–81
Jorge Lobo's disease (keloidal blastomycosis) and tinea imbricata in Indians from the Xingu National Park, Central Brazil. Baruzzi RG, et al. **Trop Doct** 1982 Jan;12(1):13–5
The incidence of water-related diseases in the Brak area, Libya from 1977 to 1979, before and after the installation of water treatment plants. Ghannoum MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):501–8
[Microsporum canis outbreak caused by pedigree cats in the Karl-Marx city area] Schwäblein-Sprafke U, et al. **Dermatol Monatsschr** 1982 Feb;168(2):105–10 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Dermatophytic (Trichophyton rubrum var. rhodainii) granuloma of the dermis caused by follicle invasion] Armijo F, et al. **Ann Dermatol Venereol** 1981;108(12):987–92 **(Fre)**
[Experimental dermatomycosis, a clinico-pathological study] Garcia de Lomas J, et al. **Mycopathologia** 1981 Dec 11; 76(3):133–8 (Eng. Abstr.) **(Fre)**
[Sycosis of the beard (tinea barbae). Analysis of 42 cases] De Lacerda MH, et al. **Med Cutan Iber Lat Am** 1981; 9(3):161–78 (Eng. Abstr.) **(Por)**

VETERINARY

Trichophyton mentagrophytes infection in the domestic donkey (Equus asinus asinus). Ali KE, et al. **Ann Trop Med Parasitol** 1981 Dec;75(6):623–6
Ringworm caused by Trichophyton verrucosum in young goats: a case report. Chineme CN, et al.

Bull Anim Health Prod Afr 1981 Mar;29(1):75–8
A study of skin diseases in dogs and cat. VII. Ringworm infection. Kristensen S, et al. **Nord Vet Med** 1981 Mar; 33(3):134–40
Treatment of ringworm in calves using griseofulvin. Andrews AH, et al. **Vet Rec** 1981 Jun 6;108(23):498–500
Early vaccination of calves against ringworm caused by Tricophyton verrucosum. Naess B, et al. **Vet Rec** 1981 Sep 5;109(10):199–200
Microsporum cookei as the suspected cause of ringworm in a dog. Quaife RA, et al. **Vet Rec** 1981 Oct 3;109(14):311
[Activity of repeated administration of enilconazole (R 23 979) against Trichophyton verrucosum in cattle. A clinical trial (author's transl)] de Keyser H.
Tijdschr Diergeneeskd 1981 Aug 15;106(16):799–805 (Eng. Abstr.) **(Dut)**
[A rapid method for the diagnosis of Trichophyton verrucosum (author's transl)] Aursjø J, et al.
Nord Vet Med 1981 Jun–Aug;33(6–8):377–81 (Eng. Abstr.) **(Nor)**
[Pathogenicity, immunogenic properties and antigenic structure of domestic strains of Trichophyton verrucosum] Kocik T. **Pol Arch Weter** 1981;23(1):17–30 (Eng. Abstr.) **(Pol)**

TINEA CAPITIS

Tinea capitis. Matsuoka LY, et al. **Am Fam Physician** 1982 Jan;25(1):161–3

COMPLICATIONS

Erythema nodosum and kerion of the scalp. Martinez-Roig A, et al. **Am J Dis Child** 1982 May;136(5):440–2

DIAGNOSIS

Dermatophyte carriers among school children. Polonelli L, et al. **Mykosen** 1982 May;25(5):254–7
[Pityriasis simplex capillitii — aetiology and tentative treatment (author's transl)] Fragner P, et al.
Cesk Dermatol 1981 Dec;56(6):377–83 (Eng. Abstr.) **(Cze)**
['Affairs of the head' from Morocco] Verburgh-van der Zwan N, et al. **Ned Tijdschr Geneeskd** 1982 Mar 27; 126(13):556–9 **(Dut)**
[Tinea capitis in adults and adolescents. A note on 8 cases] García Pérez A, et al. **Med Cutan Iber Lat Am** 1981; 9(5):329–36 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Selenium sulfide: adjunctive therapy for tinea capitis. Allen HB, et al. **Pediatrics** 1982 Jan;69(1):81–3

MICROBIOLOGY

[A case report of kerion celsi and ultrastructure of Trichophyton glabrum in vivo and in vivo (author's transl)] Nanko H, et al. **Nippon Hifuka Gakkai Zasshi** 1982 May; 92(6):645–56 **(Jpn)**

OCCURRENCE

Tinea capitis in Northern Nigeria. Jacyk WK, et al. **Mykosen** 1982 Apr;25(4):221–6
Tinea capitis in an Anglo-Indian school. Chandrasekaran N, et al. **Trop Geogr Med** 1981 Sep;33(3):253–5
[Frequency of tinea capitis in Fes] Cadi Soussi M, et al. **Maroc Med** 1981 Mar;3(1):533–40 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Achievements in syphilis, leprosy and tinea capitis control in new China. Hu CK, et al. **Chin Med J [Engl]** 1982 Feb; 95(2):109–12

RADIOTHERAPY

Mental function following scalp irradiation during childhood. Ron E, et al. **Am J Epidemiol** 1982 Jul;116(1):149–60
Long-lasting cerebral functional changes following moderate dose x-radiation treatment to the scalp in childhood: an electroencephalographic power spectral study. Yaar I, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):166–9

TINEA FAVOSA

MICROBIOLOGY

[Favus of the scalp] Pereiro Ferreirós MM, et al.
Actas Dermosifiliogr 1981 Sep–Oct;72(9–10):465–8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Native favus in Poitou. About 3 cases (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1981; 108(10):759–62 (Eng. Abstr.) **(Fre)**

TINEA PEDIS

COMPLICATIONS

Trichophyton rubrum infection and keratoderma palmaris et plantaris. Mikhail GR, et al. **Arch Dermatol** 1981 Nov; 117(11):753–4
[Fungi as 1 of the basic causes of eczematous body reactions] Iutskovskii AD, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):34–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Malignant 'athlete's foot'. Brewer BM, et al.
Ann Plast Surg 1982 Jan;8(1):93–5

DRUG THERAPY

Chlorphenesin sensitivity. Brown R. **Contact Dermatitis** 1981 May;7(3):162
2% Miconazole nitrate powder in aerosol spray form: its efficacy in treating tinea pedis. Shellow WV.
J Int Med Res 1982;10(1):28–31
Double blind comparison of econazole spray powder and placebo as therapy and prophylaxis of athlete's foot. Lestienne MC, et al. **Mykosen** 1982 Jun;25(6):335–40

MICROBIOLOGY

Microflora of the intertriginous toe surfaces of patients with athlete's foot. Terleckyj B, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):529–35

TINEA UNGUIUM

COMPLICATIONS

Genetic ichthyosis and Trichophyton rubrum infection in infants. Kamalam A, et al. **Mykosen** 1982 May;25(5):281–3

DIAGNOSIS

[Onychomycosis caused by Trichophyton soudanense. Report of a case (author's transl)] Sevcová M.
Cesk Dermatol 1981 Jun;56(3):151–3 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Further experiences with ketoconazole in the treatment of onychomycosis. Botter AA, et al. **Mykosen** 1981 Mar; 24(3):156–66
The treatment of onychomycosis with miconazole tincture. Bentley-Phillips B. **S Afr Med J** 1982 Jul 10;62(2):57–8
[On the local efficacy of ciclopiroxolamine in onychomycoses (author's transl)] Qadripur SA, et al. **Arzneimittelforsch** 1981;31(8A):1369–72 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Deficiency of immunological systems as a cause of dermatophytic onychomycosis (author's transl)] Lestschenko WM, et al. **Mykosen** 1982 May;25(5):237–47 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Onychomycosis caused by Scopulariopsis brevicaulis. Frey D, et al. **Australas J Dermatol** 1981 Dec;22(3):123–6

PATHOLOGY

Onychomycosis (trichophyton mentagrophytes). A scanning electron microscopic observation. Meyer JC, et al.
J Cutan Pathol 1981 Oct;8(5):342–53
[From normal nail to pathological nail (author's transl)] Achten G, et al. **Praxis** 1981 Oct 27;70(44):1944–50 (31 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[Changes in peripheral vessel reflex activity in patients with onychomycosis (author's transl)] Figar S, et al.
Cesk Dermatol 1981 Oct;56(5):288–96 (Eng. Abstr.) **(Cze)**

TINEA VERSICOLOR

DIAGNOSIS

Neonatal pityriasis versicolor. Wyre HW Jr, et al.
Arch Dermatol 1981 Nov;117(11):752–3

DRUG THERAPY

Systemic treatment of tinea versicolor with ketoconazole in forty-four patients. Jolliffe DS, et al.
Clin Exp Dermatol 1981 Nov;6(6):625–8
The successful treatment of pityriasis versicolor by systemic ketoconazole. Urcuyo FG, et al. **J Am Acad Dermatol** 1982 Jan;6(1):24–5
[Comparative study of therapeutic effectiveness with tolciclate and miconazole in superficial dermatophytosis and in pityriasis versicolor (author's transl)] Wiedey K, et al. **Mykosen** 1982 Mar;25(3):126–32 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Amino acid metabolism of Malassezia furfur. El-Gothamy Z. **Ann Parasitol Hum Comp** 1981;56(3):359–61
A mycological study of tinea versicolor. Amma SM.
Indian J Med Res 1981 Sep;74:372–9
Tinea versicolor: some new aspects on etiology, pathogenesis, and treatment. Faergemann J, et al. **Int J Dermatol** 1982 Jan–Feb;21(1):8–11

OCCURRENCE

A survey of dermatophytoses and tinea versicolor among senior high school students in southern Taiwan. Ko WC, et al. **Taiwan J Hsueh Hui Tsa Chih** 1982 Jan;81(1):1–8

TINIDAZOLE see under **NITROIMIDAZOLES**

TINNITUS

Tinnitus. **Ciba Found Symp** 1981;85:1–325
Animal models of tinnitus. Evans EF, et al.
Ciba Found Symp 1981;85:108–38 (26 ref.)
Proceedings of the First International Tinnitus Seminar. (New York, 8–9, June, 1979). **J Laryngol Otol [Suppl]** 1981; (4):1–217

CHEMICALLY INDUCED

Vancomycin: a reappraisal [letter] Ahmad R, et al.
Br Med J [Clin Res] 1982 Jun 26;284(6333):1953–4
Ototoxicity in patients receiving cisplatin: importance of dose and method of drug administration. Reddel RR, et al.
Cancer Treat Rep 1982 Jan;66(1):19–23
Ototoxic drugs and noise. Brown RD, et al.
Ciba Found Symp 1981;85:151–71 (39 ref.)
Protriptyline and tinnitus. Evans DL, et al.
J Clin Psychopharmacol 1981 Nov;1(6):404–6
Ejaculatory impairment from both phenelzine and imipramine, with tinnitus from phenelzine. Glass RM.
J Clin Psychopharmacol 1981 May;1(3):152–4
Tinnitus in a patient with beta-thalassaemia intermedia on long-term treatment with desferrioxamine. Marsh MN, et al. **Postgrad Med J** 1981 Sep;57(671):582–4

CLASSIFICATION

Classification of tinnitus. Douek E. **Ciba Found Symp** 1981; 85:4–15
Tinnitus classification: medical audiologic assessment. Goldstein B, et al. **J Laryngol Otol [Suppl]** 1981;(4):33–8
Clinical classification of subjective idiopathic tinnitus. Shulman A. **J Laryngol Otol [Suppl]** 1981;(4):102–6

COMPLICATIONS

Tinnitus in children with hearing loss. Graham JM.
Ciba Found Symp 1981;85:172–92
Tinnitus and deafness of sudden onset: electrocochleographic findings in 100 patients. Graham JM.
J Laryngol Otol [Suppl] 1981;(4):111–6
Menière's disease and tinnitus. Ronis ML.
J Laryngol Otol [Suppl] 1981;(4):151–2

DIAGNOSIS

Measurement of tinnitus in humans. Hazell JW.
Ciba Found Symp 1981;85:35–53
The use of audiometric tests in the management of the tinnitus patient. Johnson RM, et al. **J Laryngol Otol [Suppl]** 1981; (4):48–51
Subjective idiopathic tinnitus: a review. Shulman A.
J Laryngol Otol [Suppl] 1981;(4):1–9 (59 ref.)
Central tinnitus—diagnosis and treatment. Observations simultaneous binaural auditory brain responses with monaural stimulation in the tinnitus patient. Shulman A, et al. **Laryngoscope** 1981 Dec;91(12):2025–35
Electronic probe for eustachian tube patency and objective tinnitus. Epley JM. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):854–5
[Diagnostic measures in tinnitus aurium (author's transl)] Chüden HG. **HNO** 1981 Dec;29(12):418–21 (Eng. Abstr.) **(Ger)**
[Tinnitus measurements in transmission deafness and perception deafness] Bucci S, et al.
Riv Med Aeronaut Spaz 1980 Jul–Dec;43(3–4):319–31 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Medical treatment of tinnitus. Shea JJ, et al.
Ann Otol Rhinol Laryngol 1981 Nov–Dec;90(6 Pt 1):601–9
Lidocaine in the treatment of tinnitus aurium. A double-blind study. Israel JM, et al. **Arch Otolaryngol** 1982 Aug; 108(8):471–3
Drugs in the treatment of tinnitus. Goodey RJ.
Ciba Found Symp 1981;85:263–78
Mexiletine in the relief of tinnitus: a report on a sequential double-blind crossover trial. McCormick MS, et al.
Clin Otolaryngol 1981 Aug;6(4):255–8
Tegretol: a double blind trial in tinnitus. Donaldson I.
J Laryngol Otol 1981 Sep;95(9):947–51
The effect of single doses of amylobarbitone sodium and carbamazepine in tinnitus. Marks NJ, et al.
J Laryngol Otol 1981 Sep;95(9):941–5
The medical treatment of tinnitus. Shea JJ, et al.
J Laryngol Otol [Suppl] 1981;(4):130–8
Vasodilator-antihistamine therapy and tinnitus control. Shulman A. **J Laryngol Otol [Suppl]** 1981;(4):123–9

ETIOLOGY

Conditioned middle ear muscle tinnitus a case report. Collard ME, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):330–1
A cochlear vascular anomaly in a patient with hearing loss

and tinnitus. Tange RA, et al. **Arch Otorhinolaryngol** 1981; 233(2):117–25

Auditory effects of chronic alcoholism. Spitzer JB. **Drug Alcohol Depend** 1981 Dec;8(4):317–35

Correlation of the complaint of tinnitus with central auditory testing. Dickter AE, et al. **J Laryngol Otol [Suppl]** 1981; (4):52–9

Auditory physiology and an auditory physiologists's view of tinnitus. Durrant JD. **J Laryngol Otol [Suppl]** 1981; (4):21–8

Patterns of tinnitus: medical audiologic findings. Hazell JW. **J Laryngol Otol [Suppl]** 1981;(4):39–47

Neurotologic evaluation of subjective idiopathic tinnitus. Schleuning A. **J Laryngol Otol [Suppl]** 1981;(4):99–101

Otosclerosis and tinnitus. Shea JJ. **J Laryngol Otol [Suppl]** 1981;(4):149–50

Tinnitus and neurosurgical disease. Shucart WA, et al. **J Laryngol Otol [Suppl]** 1981;(4):166–8

Tinnitus and physiological correlates of the cochleo–vestibular system: peripheral; central. Tonndorf J. **J Laryngol Otol [Suppl]** 1981;(4):18–20

Self-heard venous bruit due to increased intracranial pressure [letter] Meador KJ, et al. **Lancet** 1982 Feb 13;1(8268):391

[Tinnitus—a retrospective follow-up study of 50 cases (author's transl)] Siegwart P, et al. **Nervenarzt** 1981 Aug; 52(8):441–4 **(Ger)**

[Tinnitus as the first symptom of auricular disorders] Cernei VL, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar; 27(1):69–74 (Eng. Abstr.) **(Rum)**

HISTORY

The history of masking as applied to tinnitus. Vernon J. **J Laryngol Otol [Suppl]** 1981;(4):76–9

OCCURRENCE

Epidemiology of tinnitus, Medical Research Council's Institute of Hearing Research. **Ciba Found Symp** 1981; 85:16–34

PATHOLOGY

[Description of tinnitus (author's transl)] Seiler CF. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar;61(3):124–7 (Eng. Abstr.) **(Ger)**

[Variation of the tinnitus on moist tubotympanical catarrh and otosclerosis before and after operation (author's transl)] Stange G. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar; 61(3):128–31 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Electrophysiological simulation of tinnitus. Berlin CI, et al. **Ciba Found Symp** 1981;85:139–50

Physiologically active cochlear micromechanics—one source of tinnitus. Kemp DT. **Ciba Found Symp** 1981;85:54–81 (28 ref.)

Acoustic correlates of tonal tinnitus. Wilson JP, et al. **Ciba Found Symp** 1981;85:82–107 (18 ref.)

Cochleo–vestibular correlates of tinnitus: tinnitogram. Douek E. **J Laryngol Otol [Suppl]** 1981;(4):107–10

Paediatric tinnitus. Graham J. **J Laryngol Otol [Suppl]** 1981; (4):117–20

A tinnitus synthesizer physiological considerations. Hazell JW. **J Laryngol Otol [Suppl]** 1981;(4):187–95

Tinnitus: development of a neurophysiologic correlate. Sasaki CT, et al. **Laryngoscope** 1981 Dec;91(12):2018–24

PSYCHOLOGY

Personality of the tinnitus patient. House PR. **Ciba Found Symp** 1981;85:193–203

Neuropsychiatric aspects of tinnitus. Ambrosino SV. **J Laryngol Otol [Suppl]** 1981;(4):169–72

Homolateral and contralateral masking of tinnitus. Feldmann H. **J Laryngol Otol [Suppl]** 1981;(4):60–70

Critical masking bands for sensorineural tinnitus. Shailer MJ, et al. **Scand Audiol** 1981;10(3):157–62

SURGERY

Tinnitus: surgical treatment. House JW, et al. **Ciba Found Symp** 1981;85:204–16

[Tinnitus after microsurgical interventions at the internal auditory canal (author's transl)] Wigand ME, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar;61(3):132–4 (Eng. Abstr.) **(Ger)**

THERAPY

Evaluation of the tinnitus masker. Maddox HE 3d, et al. **Am J Otol** 1981 Jan;2(3):199–203

Management of the tinnitus patient. House JW. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):597–601

Effects of EMG and thermal feedback training on tinnitus: a case study. Elfner LF, et al. **Biofeedback Self Regul** 1981 Dec;6(4):517–21

Tinnitus masking–a significant contribution to tinnitus management. Hazell JW, et al. **Br J Audiol** 1981 Nov; 15(4):223–30

Electrical suppression of tinnitus. Aran JM, et al. **Ciba Found Symp** 1981;85:217–31

Tinnitus masking:unresolved problems. Vernon JA, et al. **Ciba Found Symp** 1981;85:239–62

Treatment of hearing loss, ear pain, and tinnitus in older patients. Turner JS Jr. **Geriatrics** 1982 Aug;37(8):107–11, 116, 118

Electrical stimulation of the auditory system and tinnitus control. Aran JM. **J Laryngol Otol [Suppl]** 1981;(4):153–61

Reduction of tinnitus in cochlear-implant patients. Brackmann DE. **J Laryngol Otol [Suppl]** 1981;(4):163–5

Tinnitus maskers—successes and failures: a report on the state of the art. Hazell JW, et al. **J Laryngol Otol [Suppl]** 1981; (4):80–7

Tinnitus amplification: the high frequency hearing aid. Miller MH. **J Laryngol Otol [Suppl]** 1981;(4):71–5

Tinnitus. Hazell JW. **Practitioner** 1981 Nov; 225(1361):1577–85

[Acupuncture therapy of chronic unilateral tinnitus. A double-blind cross-over study] Hansen PE, et al. **Ugeskr Laeger** 1981 Oct 26;143(44):2888–90 (Eng. Abstr.) **(Dan)**

[Treatment of tinnitus by mean of electric transcutaneous stimulation (author's transl)] Chouard CH, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1–2):1–6 (Eng. Abstr.) **(Fre)**

VETERINARY

Objective tinnitus in the dog. Decker TN, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):74

TINORIDINE see under **PYRIDINES**

TIRON see under **BENZENESULFONATES**

TISSUE ADHESIVES

see related
BONE CEMENTS

The use of butyl cyanoacrylate as a tissue adhesive in maxillo–facial and cranio–facial surgery. Avery BS, et al. **Br J Oral Surg** 1982 Jun;20(2):84–95

Polish tissue adhesive 'Chirurcoll/Polfa' in stuffing up surgical capsule wound after adenomectomy by Millin's method. Musierowicz A. **Int Urol Nephrol** 1981;13(2):157–8

A sutureless technique of wound closure. Sharma BC. **Med J Zambia** 1980 Oct–Nov;14(6):112–6

Clinical experience with fibrin glue in cardiac surgery. Köveker G, et al. **Thorac Cardiovasc Surg** 1981 Oct; 29(5):287–9

Fibrin adhesive and its application in thoracic surgery. Thetter O. **Thorac Cardiovasc Surg** 1981 Oct;29(5):290–2

[Experimental test of two tissue adhesives (GRF and IBC 2) in vascular microsurgery in the rat (author's transl)] Olivier A, et al. **J Chir (Paris)** 1982 Apr;119(4):261–6 (Eng. Abstr.) **(Fre)**

[Fibrin glue (Tissucol) in otology and otoneurosurgery. Apropos of our first 100 cases] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):15–8 (Eng. Abstr.) **(Fre)**

[Gluing of fresh cartilaginous lesions of the talus using concentrated fibrinogen adhesive (author's transl)] Paar O, et al. **Aktuel Traumatol** 1982 Jan;12(1):19–22 (Eng. Abstr.) **(Ger)**

[Does the fibrin glue accelerate the healing of tendons? (author's transl)] Bösch P, et al. **Arch Orthop Trauma Surg** 1981;98(4):305–10 (Eng. Abstr.) **(Ger)**

[Endolaryngeal surgery using highly concentrated human fibrinogen as tissue adhesive. Further trials with fibrin glue] Martin F, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):369–72 (Eng. Abstr.) **(Ger)**

[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**

[Closure of pleura–lung lesions using fibrin adhesives. Experimental examinations] Türk R, et al. **Med Welt** 1981 Aug 28;32(35):1280–2 **(Ger)**

[Fibrin sealing in surgery (author's transl)] Wolner E. **Wien Klin Wochenschr** 1982 Apr 2;94(7):181–5 **(Ger)**

[Fibrin glue in dermatosurgery (author's transl)] Staindl O. **Z Hautkr** 1982 May 15;57(10):721–33 (Eng. Abstr.) **(Ger)**

[Use of highly concentrated human fibrinogen in paediatric surgery – a new therapeutic principle (author's transl)] Brands W, et al. **Z Kinderchir** 1982 Apr;35(4):159–62 (Eng. Abstr.) **(Ger)**

[Experimental and clinical study of the use of an adhesive (Histoacryl–Blau) in intestinal anastomoses] Catona A, et al. **Chir Ital** 1981 Jun;33(3):639–46 (Eng. Abstr.) **(Ita)**

[Experimental research on the use of tissue adhesives in reparative surgery of the bladder] Cannizzaro MA, et al. **Chir Patol Sper** 1980 Aug;28(4):209–20 (Eng. Abstr.) **(Ita)**

[The use of tissue adhesives in surgical repair of the colon. Experimental studies] Cannizzaro MA, et al. **Chir Patol Sper** 1980 Oct;28(5):273–85 (Eng. Abstr.) **(Ita)**

[Experimental studies of nonsuture microvascular anastomosis using soluble PVA tube and plastic adhesive (author's transl)] Yamagata S. **Nippon Geka Hokan** 1982 Jan 1;51(1):104–17 (Eng. Abstr.) **(Jpn)**

[Comparative evaluation of corneal wound suture or union with tissue adhesive in rabbits (author's transl)] Krochmalska–Kieracińska L. **Klin Oczna** 1981 Oct–Dec; 83(10–12):483–5 (Eng. Abstr.) **(Pol)**

[Hemostasis with glue during surgery for retroperitoneal neoplasms] Chissov VI, et al. **Khirurgiia (Mosk)** 1981 Aug; (8):94–7 **(Rus)**

ADMINISTRATION & DOSAGE

[The behaviour of autologous spongiosa transplants from the ilial crest with and without fibrinadhesive in the canine femoral epiphysis (author's transl)] Wischhöfer E, et al. **Unfallheilkunde** 1982 Jun;85(6):250–2 (Eng. Abstr.) **(Ger)**

[Local activation of reparative processes in chronic gastroduodenal ulcer] Buianov VM, et al. **Klin Khir** 1981 Aug;(8):1–4 (Eng. Abstr.) **(Rus)**

[Effectiveness of using a biological glue for hemostasis in stomatological operations (experimental study)] Gigauri VS, et al. **Stomatologiia (Mosk)** 1982 May–Jun;61(3):25–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Risk of hepatitis in fibrin adhesion (author's transl)] Panis R, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):367–8 (Eng. Abstr.) **(Ger)**

METABOLISM

[In vivo and in vitro degradation of fibrin adhesives (studies in rats)] Pflüger H, et al. **Z Urol Nephrol** 1982 Jan; 75(1):25–30 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Effect of a biologic glue on the leakage rate of experimental rectal anastomoses. Oka H, et al. **Am J Surg** 1982 May; 143(5):561–4

The influence of fibrin stabilization and fibrinolysis on the fibrin–adhesive system. A clinical study using radioactively marked fibrinogen as a tracer. Staindl O, et al. **Arch Otorhinolaryngol** 1981;233(1):105–16

Wound closure with a fibrin tissue adhesive. Edinger D, et al. **Int J Oral Surg** 1981;10(Suppl 1):193–7

The use of the fibrin adhesion system for local hemostasis in oral surgery. Wepner F, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):555–8

The application of tissue adhesives in small bowel anastomoses. Petrelli NJ, et al. **J Surg Oncol** 1982 Jan; 19(1):59–61

Four–year clinical experience with the gelatin–resorcine–formol biological glue in acute aortic dissection. Bachet J, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):212–7

The use of the CO2 laser in sternotomy in cardiac surgery: a preliminary report. Russin LA. **Lasers Surg Med** 1982; 2(1):97–9

Experimental studies in nonsuture end–to–side microvascular anastomosis. Yamagata S, et al. **Neurol Med Chir (Tokyo)** 1981 Jul;21(7):701–8

The use of fibrin glue for sealing vascular prostheses of high porosity. Haverich A, et al. **Thorac Cardiovasc Surg** 1981 Aug;29(4):252–4

Preservation of the ruptured spleen by gluing with highly concentrated human fibrinogen: experimental and clinical results. Brands W, et al. **World J Surg** 1982 May;6(3):366–8

[Fibrin glue for otorhinolaryngology (author's transl)] Wolf G. **Arch Otorhinolaryngol** 1981;233(1):49–54 (Eng. Abstr.) **(Ger)**

[Initial clinical experiences with fibrin adhesives in traumatic and intraoperative splenic injury] Scheele J. **Chirurg** 1981 Aug;52(8):531–4 (Eng. Abstr.) **(Ger)**

[Experimental findings with a fibrin tissue adhesive in conjunctival and skleral surgery in a rabbit model (author's transl)] Härting F, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):23–5 (Eng. Abstr.) **(Ger)**

[Tissue gluten with special considerations of fibrin glue (author's transl)] Kessler B, et al. **Langenbecks Arch Chir** 1981;355:485–9 (Eng. Abstr.) **(Ger)**

[The use of fibrin tissue adhesive in parenchymal organs of the abdomen. An experimental study in rabbits and dogs (author's transl)] Scheele J, et al. **Langenbecks Arch Chir** 1981;354(4):245–54 (Eng. Abstr.) **(Ger)**

[Lung parenchyma sealing with the help of fibrin adhesive after lung resections] Hartel W. **Med Welt** 1981 Nov 13; 32(46):1749–50 **(Ger)**

[The tissue adhesion of the ruptured spleen with highly concentrated human fibrinogen (author's transl)] Brands W, et al. **Z Kinderchir** 1981 Apr;32(4):341–6 (Eng. Abstr.) **(Ger)**

[Experiences in adenomectomy with human fibrin adhesive] Vecsey D. **Z Urol Nephrol** 1981 Sep;74(9):661–5 (Eng. Abstr.) **(Ger)**

[Experience with the tissue adhesive Bucaryl in dental practice] Ujpál M. **Fogorv Sz** 1981 Nov;74(11):335–6 **(Hun)**

[Evaluation of hemostatic efficiency of biological glue during increased hemorrhaging] Chissov VI, et al. **Khirurgiia (Mosk)** 1982 May;5:101–3 **(Rus)**

[Experience in using the bactericidal preparation 'levoplast' for outpatient suture–free wound closure] Litvinov GA. **Ortop Travmatol Protez** 1982 Apr;(4):37–8 **(Rus)**

VETERINARY

Cyanoacrylate adhesives don't hold [letter] Blond S. **VM SAC** 1981 Nov;76(11):1515–6

TISSUE BANKS

Tissue bank bone for blowout fractures [letter] Epstein E. **Am J Ophthalmol** 1982 May;93(5):661–2
Nipple banking [letter] Snyderman RK. **CA** 1982 May–Jun; 32(3):187–8
Human eye tissue for research [letter] Farge EJ. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):128–9
Bone-banking. Friedlaender GE. **J Bone Joint Surg [Am]** 1982 Feb;64(2):307–11
Update on organ donation in Georgia. Aiken DG, et al. **J Med Assoc Ga** 1981 Oct;70(10):713–7
Kidney transplantation in the United Kingdom [editorial] **Lancet** 1982 Jan 9;1(8263):88
Current strategies in the procurement of cadaveric kidneys for transplantation. Davis FD. **Nurs Clin North Am** 1981; 16(3):565–71
[Cryosperm banks as a measure in infertility prevention] Kaden R. **ZFA (Stuttgart)** 1982 Mar 20;58(8):457–61 **(Ger)**
[Medico-genetic justifications for artificial heterologous insemination and the use of a sperm bank] Czeizel E. **Orv Hetil** 1981 Dec 6;122(49):2999–3004 **(Hun)**

LEGISLATION & JURISPRUDENCE

[Delegation of the powers of the incumbent to the Undersecretary of Health in matters relating to the disposition of human organs, tissues and cadavers] **Salud Publica Mex** 1981 May–Jun;23(3):291–2 **(Spa)**

ORGANIZATION & ADMINISTRATION

Operational and financial aspects of a hospital bone bank. Doppelt SH, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1472–81
The Ontario Temporal Bone Bank program and the University of Toronto Temporal Bone Histopathology Laboratory. Hawke M, et al. **J Otolaryngol** 1982 Jun; 11(3):214–20
[The harvest of kidneys is still inadequate: toward a regionalization of transplantation] Kuss R, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):381–94 (Eng. Abstr.) **(Fre)**

TRENDS

Bone banks and transplantation [letter] Komender J. **Lancet** 1981 Nov 21;2(8256):1178
Modern eye banking. Aquavella JV. **Ophthalmic Surg** 1981 Nov;12(11):818–9

TISSUE COMPATIBILITY see **HISTOCOMPATIBILITY**

TISSUE CONDITIONING (DENTAL)

An aid to removing tissue conditioning material. Fowler JA Jr. **J Prosthet Dent** 1981 Nov;46(5):581

TISSUE CULTURE

see related
CELL LINE
CELLS, CULTURED
CLONE CELLS

Tissue culture in aging research: present status and prospects. Macieira-Coelho A. **Experientia** 1981 Oct 15;37(10):1050–3
Long term tissue cultures and cell lines of neoplasms in domesticated animals. Owen LN, et al. **J Comp Pathol** 1981 Jan;91(1):159–63
Human gingival tissues in culture synthesize three metalloproteinases and a metalloproteinase inhibitor. Heath JK, et al. **J Periodont Res** 1982 Mar;17(2):183–90
Soft agar colony formation assay for chemotherapy sensitivity testing of human solid tumors. Lieber MM, et al. **Mayo Clin Proc** 1982 Aug;57(8):527–8
Tumors of the blood vessels and of the mesothelial coverlayers. Alvarez-Fernandez E. **Pathologica** 1981 Jan–Feb;73(1023):125–8
Value of tissue culture in the diagnosis of intracranial tumours. Bronzini E. **Pathologica** 1981 Jan–Feb; 73(1023):139–41
Meningiomas in tissue culture. Cravioto H, et al. **Pathologica** 1981 Jan–Feb;73(1023):130–2
Some aspects of bone tumors in tissue culture;. Diez-Nau MD. **Pathologica** 1981 Jan–Feb;73(1023):122–5
Neurinomas in tissue culture. Diez-Nau MD. **Pathologica** 1981 Jan–Feb;73(1023):132–4
Brain astrocytomas and their derivatives. Escalona-Zapata J. **Pathologica** 1981 Jan–Feb;73(1023):134–7
Tissue culture in the study of tumors. General introduction. Escalona-Zapata J. **Pathologica** 1981 Jan–Feb; 73(1023):117–8
Tumors of the soft tissues. Cytology and growth pattern of fibrosarcomas and related tumors. Escalona-Zapata J. **Pathologica** 1981 Jan–Feb;73(1023):119–22
Clonal evolution of goitres. Ferrer-Roca O. **Pathologica** 1981 Jan–Feb;73(1023):145–51
Tissue cultures of cerebellar tumors. Gullotta F. **Pathologica** 1981 Jan–Feb;73(1023):137–9
General remarks on brain tumors in vitro. Gullotta F. **Pathologica** 1981 Jan–Feb;73(1023):128–30
New trends in tissue culture of tumors. Rousseau-Merck MF. **Pathologica** 1981 Jan–Feb;73(1023):141–2
Advances in blood cultures. Washington JA 2d. **Trans Am Clin Climatol Assoc** 1981;93:42–9
[Current status and prospects of human skin cultures] Mole B. **Ann Chir Plast** 1981;26(3):295–6 **(Fre)**
[Transplantation of in vitro cultured human tumors to nude mice and their use as chemotherapeutic test models] Naundorf B, et al. **Folia Haematol (Leipz)** 1981;108(5):652–7 **(Ger)**
[Studies on the tissue culture of murine sarcoma (Dunn sarcoma)--a fix cell line established in vitro (DSK) and its cytokinetic findings (author's transl)] Oosaki Y. **Nippon Seikeigeka Gakkai Zasshi** 1982 Jan;56(1):37–49 (Eng. Abstr.) **(Jpn)**
[Behavioral characteristics of the histochemical reactions in blocks of native tissue] Raigorodskaia TG. **Tsitologiia** 1982 Jan;24(1):86–8 **(Rus)**

INSTRUMENTATION

A simple method to measure the relative charge on dry and hydrated microcarrier particles. Spier RE, et al. **Dev Biol Stand** 1981;50:111–4
Simple and inexpensive brain slicer. Buckwalter EP, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr;53(4):463–6
The Chamber/Dish: an improved vessel for cell and explant culture. Gabridge MG. **In Vitro** 1981 Feb;17(2):91–7
Replica plating of cultured mammalian cells. Klebe RJ, et al. **Somatic Cell Genet** 1981 May;7(3):271–80

METHODS

Cells originating from sarcoid granulomas in vitro. Okabe T, et al. **Am Rev Respir Dis** 1981 Nov;124(5):608–12
A simple technique for preparation of chicken-embryo-skin cell cultures. Silim A, et al. **Avian Dis** 1982 Jan–Mar; 26(1):182–5
Comparison of direct harvest and cultures for karyotyping EDTA anticoagulated marrow. Houston EW, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):61–7
Continuous long-term culture of human bone marrow. Potter CG, et al. **Clin Lab Haematol** 1981;3(3):245–55
Plant cell cultures and protoplasts in plant virus research. Mühlbach HP. **Curr Top Microbiol Immunol** 1982; 99:81–129 (190 ref.)
Serum supplements and serum-free media: applicability for microcarrier culture of animal cells. Clark JM, et al. **Dev Biol Stand** 1981;50:81–91
Alternative surfaces for microcarrier culture of animal cells. Gebb C, et al. **Dev Biol Stand** 1981;50:93–102
The development and use of microcarrier and glass sphere culture techniques for the production of herpes simplex viruses. Griffiths JB, et al. **Dev Biol Stand** 1981;50:103–10
A comparison of various laboratory scale culture configurations for microcarrier culture of animal cells. Hirtenstein MD, et al. **Dev Biol Stand** 1981;50:73–80
Cell and virus propagation on cylindrical cellulose based microcarriers. Reuveny S, et al. **Dev Biol Stand** 1981; 50:115–23
Expression in lymphocyte and fibroblast culture of the fragile X chromosome: a new technical approach. Mattei MG, et al. **Hum Genet** 1981;59(2):166–9
Tissue culture of human epithelial cells from benign colonic tumors. Friedman EA, et al. **In Vitro** 1981 Jul;17(7):632–44
Primary culture of normal rat adrenocortical cells. I. Culture conditions for optimal growth and function. Rybak SM, et al. **In Vitro** 1981 Jul;17(7):599–604
Development of one-cell porcine embryos in two culture systems. Menino AR Jr, et al. **J Anim Sci** 1982 Mar; 54(3):583–8
Collagen substrates for cytogenetic studies of domestic animal embryos. Popescu CP, et al. **J Hered** 1982 Mar–Apr; 73(2):147–8
Cultivation at low temperature as a measure to prevent contamination with fibroblasts in epithelial cultures from human skin. Jensen PK, et al. **J Invest Dermatol** 1981 Aug; 77(2):210–2
Cloning of functional human T lymphocytes by limiting dilution: impact of filler cells and interleukin 2 sources on cloning efficiencies. Kahle P, et al. **Scand J Immunol** 1981 Nov;14(5):493–502
Tissue culture of normal human post-pubertal prostate. Jacobs SC, et al. **Urol Int** 1981;36(3):194–8
A simple procedure to obtain continuous cell lines from bovine peripheral blood leucocytes. Asagba MO, et al. **Vet Immunol Immunopathol** 1981 Feb;2(1):87–94
['In vitro' culture of the oviduct of women, rats and rabbits. Preliminary results (author's transl)] Menezo Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):651–4 (Eng. Abstr.) **(Fre)**
[The significance of air contamination for the taking of blood cultures in open systems] Kunze M, et al. **Z Gesamte Inn Med** 1982 Jan 15;37(2):64–5 (Eng. Abstr.) **(Ger)**
[Study on tissue culture of human chorionic tissue from early gestation: identification and observation of human trophoblast grown by a new culture method (author's transl)] Kinoshita M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1157–66 (Eng. Abstr.) **(Jpn)**
[Results and prospects of using a tissue culture method in the toxicology of medical polymers] Lappo VG, et al. **Gig Sanit** 1981 Jun;(6):54–6 **(Rus)**
[Preparation of tissues and cells for culture by washing with a solution of albucide] Gazizova GR. **Lab Delo** 1981; (8):505–8 **(Rus)**

TISSUE DISTRIBUTION

Distribution of sodium and potassium channels in mammalian myelinated nerve. Ritchie JM, et al. **Adv Neurol** 1981; 31:329–42
Genetics of histocompatibility in mice. IV. Detection of certain minor (non-H-2) H antigens in selected organs by the popliteal node test. Johnson LL, et al. **Immunogenetics** 1981;14(1-2):63–71

TISSUE DONORS

Evaluation of potential renal donors and renal allograft recipients: digital video subtraction angiography. Hillman BJ, et al. **AJR** 1982 May;138(5):921–5
Pretransplant donor specific blood transfusions for one haplotype stimulatory mixed lymphocyte culture living related donor transplants. Steinmuller D, et al. **Am J Kidney Dis** 1982 May;1(6):364–6
Criteria of brain death and removal of cadaveric organs. Kaste M, et al. **Ann Clin Res** 1981;13(4–5):313–7
What has happened to charity? [letter] **Br Med J [Clin Res]** 1982 May 22;284(6328):1558–9
Donation of bodies or organs for transplantation and medical science [editorial] **Conn Med** 1981 Sep;45(9):613–4
Use of non-heart-beating donor kidneys for transplantation. van der Vliet JA, et al. **Eur Surg Res** 1981;13(5):354–60
The use of pediatric cadaver kidneys in renal transplantation (experience with 97 cases and comparison with adult kidneys). Managadze LG, et al. **Int Urol Nephrol** 1981; 13(1):95–104
Kidneys for transplantation. Steinbrook RL. **J Health Polit Policy Law** 1981 Fall;6(3):504–19
Transplantation of adult kidney into the very small child: long-term outcome. Miller LC, et al. **J Pediatr** 1982 May; 100(5):675–80
The effect of transfusions and donor pretreatment on canine renal allograft survival. van der Linden CJ, et al. **J Surg Res** 1981 Oct;31(4):332–6
Organ donation and transplantation. **J Tenn Med Assoc** 1981 Jul;74(7):507–9, 515
AMA 1981 annual meeting report. Organ donor recruitment. **J Tenn Med Assoc** 1981 Nov–Dec;75(3):197–8, 201
Anterior extraperitoneal donor nephrectomy. Connor WT, et al. **J Urol** 1981 Oct;126(4):443–7
Organ donor recruitment. Council on Scientific affairs. **JAMA** 1981 Nov 13;246(19):2157–8
The Uniform Anatomical Gift Act [letter] Byrne PA. **JAMA** 1982 Sep 24;248(12):1452
Need for corneal donors [letter] Schlichtemeier WR. **JAMA** 1982 May 28;247(20):2781
Availability of kidneys for transplantation from a general intensive care unit [letter] Searle JF. **Lancet** 1982 Oct 2; 2(8301):759–60
Retrieval of Kidneys for transplantation from cadaver donors in Minnesota. Matas AJ, et al. **Minn Med** 1982 Mar; 65(3):163–6
Influence of familial hypertension of the donor on the blood pressure and antihypertensive therapy of kidney graft recipients. Guidi E, et al. **Nephron** 1982;30(4):318–23
The transplant coordinator: an answer to the shortage of cadaveric donor kidneys? van der Vliet JA, et al. **Neth J Surg** 1982 Mar;34(1):1–3
Improved cadaveric transplant results through matching and sharing--a single center experience. Johnson HK, et al. **Proc Clin Dial Transplant Forum** 1980;10:260–2
The role of the Emergency Medical Services in organ donation. Whittier FC, et al. **Proc Clin Dial Transplant Forum** 1980;10:155–9
Transplantation of cadaveric paediatric donor kidneys into adult recipients. Kremer GD, et al. **Proc Eur Dial Transplant Assoc** 1981;18:469–74
Should the upper age limit for cadaveric kidney donors be changed? van der Vliet JA, et al. **Proc Eur Dial Transplant Assoc** 1981;18:439–45
The right to privacy when lives are at stake. Caplan AL. **Prog Clin Biol Res** 1981;76:245–55
The right to privacy when lives are at stake. Case for discussion. Winkelman L, et al. **Prog Clin Biol Res** 1981; 76:241–3
Availability of cadaver kidneys for transplantation from brain-dead donors. Oksa H, et al. **Scand J Urol Nephrol** 1981;15(3):291–4
Combination donor hepatectomy and nephrectomy and early functional results of allografts. Shaw BW Jr, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):321–5
Selection of compatible kidney donors for recipients with multiple cytotoxic antibodies. Larsen AE. **Transfusion** 1982 Jul–Aug;22(4):317–9
Multifactorial analysis of factors influencing graft survival in recipients of living related renal allografts. Green WF, et al. **Transplant Proc** 1982 Jun;14(2):282–6
Effect of pretransplant donor-specific transfusions in renal transplantation. Leivestad T, et al. **Transplant Proc** 1982 Jun;14(2):370–3

Fresh versus stored blood in donor specific transfusion. Light JA, et al. **Transplant Proc** 1982 Jun;14(2):296–301

Update of the University of California at San Francisco experience with donor-specific blood transfusions. Salvatierra O Jr, et al. **Transplant Proc** 1982 Jun;14(2):362–6

Serologic considerations in donor-specific transfusion therapy for kidney transplantation. Schweizer R, et al. **Transplant Proc** 1982 Jun;14(2):374–7

Prolonged graft survival by donor-specific blood transfusion (DSBT). Takahashi I, et al. **Transplant Proc** 1982 Jun; 14(2):367–9

Relationship between donor age and outcome of pregnancy in a renal allograft population. Coulam CB, et al. **Transplantation** 1982 Jan;33(1):97–9

Use of digital subtraction angiography for the evaluation of living related renal transplant donors. Flechner SM, et al. **Transplantation** 1982 Jun;33(6):645–7

Positive effect on graft survival of transfusions to the cadaveric kidney donor. Frisk B, et al. **Transplantation** 1981 Sep;32(3):252

Influence of cadaver donor age on the success of kidney transplants. Hong JH, et al. **Transplantation** 1981 Dec; 32(6):532–4

Effect of blood transfusions to the donor on kidney graft survival in man. Jeekel J, et al. **Transplantation** 1981 Nov; 32(5):453–5

Renal function in patients with brain death with respect to early function after their transplantation. Vlček JS, et al. **Transplantation** 1982 Apr;33(4):457

Regional kidney sharing program for patients with broadly reactive lymphocytotoxic antibodies. Norman DJ, et al. **West J Med** 1982 Feb;136(2):181–3

[The use of juvenile kidneys for transplantation in adults] van der Vliet JA, et al. **Tijd Kindergeneeskd** 1981 Jun; 49(3):102–7 (Eng. Abstr.) **(Dut)**

[More organ donors must be recruited] Toussaint C, et al. **Rev Med Brux** 1981 Sep;2(7):647–9 **(Fre)**

[Fetal organ donors: pregnancy termination to acquire organs?] Piechowiak H. **Med Welt** 1981 Nov 20; 32(47):1799–801 **(Ger)**

[Choice of donor and the results of renal grafting (author's transl)] Grundmann R, et al. **MMW** 1981 Sep 25; 123(39):1453–7 (Eng. Abstr.) **(Ger)**

[Transplantation without laws? Legal status of organ donation] Wolfslast G. **MMW** 1982 Feb 5;124(5):105–9 **(Ger)**

[Diagnosis of brain death and organ donation] Leutenegger A, et al. **Schweiz Med Wochenschr** 1982 Jun 12; 112(24):864–6 (Eng. Abstr.) **(Ger)**

[Transplantation of the kidneys from newborn donors, using the Mini-Lewe minipig as a model] Althaus P, et al. **Z Exp Chir** 1982 Feb;15(1):3–9 (Eng. Abstr.) **(Ger)**

[Pancreatic transplantation from a live donor] Roman Ramos R, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):50–4 (Eng. Abstr.) **(Rus)**

[Dependence of cadaver kidney allograft survival on the ABO antigen compatibility of donor and recipient] Rozental' RL, et al. **Probl Gematol Pereliv Krovi** 1982 Feb; 27(2):34–7 (Eng. Abstr.) **(Rus)**

[Brain death. Deontological aspects and diagnostic criteria required to obtain organs for transplant (author's transl)] Belda FJ, et al. **Rev Esp Anestesiol Reanim** 1982 Mar; 29(2):99–105 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Organ donation: one family's story. Kimball L. **AORN J** 1982 Jul;36(1):50–2

What has happened to charity? [editorial] Calne RY. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):998–9

Changes in family structure after a renal transplant. Velasco De Parra ML. **Fam Process** 1982 Jun;21(2):195–202

TISSUE EXTRACTS

A simple and efficient procedure for the rapid homogenization of cultured animal cells grown in monolayer. Chang TY, et al. **Anal Biochem** 1981 Sep 15; 116(2):298–302

Studies on melatonin-free pineal extract. Damian E. **Endocrinologie** 1981 Jul–Sep;19(3):155–64 (44 ref.)

The value of human tissue in studies of aging. King DW, et al. **J Am Geriatr Soc** 1982 Aug;30(8):539–45 (25 ref.)

Two components from eye tissue that differentially stimulate the growth and development of ciliary ganglion neurons in cell culture. Nishi R, et al. **J Neurosci** 1981 May; 1(5):505–13

[A proposal for the amendment of Law No. 644 of 2 December 1975 on Regulation of the removal of parts of cadavers for the purpose of therapeutic transplantation, and rules concerning the removal of the hypophysis from cadavers for the production of extracts for therapeutic use: (Off. Gazz. No. 344, 19 December 1975)] Mocavero G, et al. **Minerva Anestesiol** 1982 Jan–Feb;48(1–2):87–9 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

An explanation for the reduction in bilirubin levels in congenitally jaundiced Gunn rats after transplantation of isolated hepatocytes. Woods RJ, et al. **Eur Surg Res** 1981; 13(4):278–84

Glomerular immune complex formation and induction of lymphoma in athymic nude mice by tissue filtrates of Crohn's disease patients. Williams SE, et al. **J Lab Clin Med** 1982 Jun;99(6):827–37

[Natural adrenal cortex extract in the prevention of operative stress in obstetrics and gynecology] Masin G, et al. **Clin Ter** 1981 Oct 31;99(2):131–7 (Eng. Abstr.) **(Ita)**

[High-titer adrenal cortex extracts as collateral therapy in pulmonary tuberculosis] Moreo G, et al. **Clin Ter** 1982 Feb 15;100(3):249–59 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Subcellular distribution of inflammatory mediators in guinea-pig polymorphonuclear granulocytes (PMNL). Tchórzewski H, et al. **Acta Physiol Pol** 1981 May–Jun; 32(3):307–15

Posterior pituitary extract and luteinising hormone antibodies [letter] Hughes IA, et al. **Lancet** 1982 Jan 9;1(8263):115

ANALYSIS

Studies on isolation of a toxic substance from human and animal skin burned in vitro. Kwiek S, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(1):69–77

Lipolytic and enkephalinase inhibitory activities of polypeptides from placental autolysate prepared for therapeutic purposes. Nencini P, et al. **Int J Tissue React** 1981 Dec;3(3–4):167–72

Butanol extracts from myelin fragments: colorimetric assay of gangliosides in myelin butanol extracts and its binding capacity for 5-hydroxytryptamine. Ishitani R, et al. **Jpn J Pharmacol** 1981 Apr;31(2):295–7

[Modification of the euglobulin method of determining the fibrinolytic properties of tissues] Golyshenkov SP, et al. **Lab Delo** 1982;(6):31–3 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Polyclonal B-cell activator with esterolytic activity and polyclonal gammopathy induced by allogeneic cells in rabbits. Ganea D, et al. **Immunology** 1982 Feb;45(2):227–37

IMMUNOLOGY

Modulation of cell-mediated responses with dialyzable leukocyte extract containing transfer factor. Klesius PH. **Adv Exp Med Biol** 1981;137:293–323 (155 ref.)

A protease-like permeability factor in guinea pig skin: immunologic identity with plasma Hageman factor. Yamamoto T, et al. **Am J Pathol** 1982 May;107(2):127–34

Immunoregulatory factors derived from human tumors. I. Immunologic and biochemical characterization of factors that suppress lymphocyte proliferative and cytotoxic responses in vitro. Roth JA, et al. **J Immunol** 1982 May; 128(5):1955–62

Experimental myocarditis. II. Cardiac lesions in rats induced by immunization with heterologous heart extracts. Fukuta S, et al. **Jpn Circ J** 1981 Dec;45(12):1399–402

ISOLATION & PURIFICATION

Hepatic stimulator substance: physicochemical characteristics and specificity. LaBrecque DR, et al. **Am J Physiol** 1982 Mar;242(3):G281–8

Mouse skin beta-irradiated 3 months earlier shows increased content of a 30–50,000 MW mitotic inhibitor and decreased susceptibility to an exogenous inhibitor. Due C, et al. **Anticancer Res** 1981;1(2):87–8

METABOLISM

Absence of production of natriuretic factor following acute saline expansion in nephrotic rats. Favre H, et al. **Clin Sci** 1982 Sep;63(3):317–9

Investigation of the presence of 'renopressin' in kidney extracts from rabbits and rats. Morris BJ, et al. **Hypertension** 1982 Mar–Apr;4(2):198–204

The endogenous heat-stable glucocorticoid receptor stabilizing factor and the H-2 locus. Leach KL, et al. **J Steroid Biochem** 1982 Jul;17(1):121–3

PHARMACODYNAMICS

In vitro stimulation of cell growth by hepatic stimulator substance. LaBrecque DR. **Am J Physiol** 1982 Mar; 242(3):G289–95

Trophic effect of a sciatic nerve extract on fast and slow myosin heavy chain synthesis. Thibault MC, et al. **Am J Physiol** 1981 Nov;241(5):C269–72

Interindividual variation of carcinogen activation by human liver homogenates. A study using dimethylnitrosamine (DMN) and cyclophosphamide (CP) as precursor genotoxic agents and clastogenicity and induction of sister chromatid exchanges in Chinese hamster V79-E cells as endpoints. Thust R. **Arch Geschwulstforsch** 1982; 52(2):97–104

Stimulation of cholesteryl ester synthesis in macrophages by extracts of atherosclerotic human aortas and complexes of albumin/cholesteryl esters. Goldstein JL, et al. **Arteriosclerosis** 1981 May–Jun;1(3):210–26

Natural killer augmentation in systemic lupus erythematosus via a soluble mediator derived from human lymphocytes. Kaufman DB. **Arthritis Rheum** 1982 May;25(5):562–7

Extracts of bone contain a potent regulator of bone formation. Drivdahl RH, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):26–33

Inhibition of 123I-labeled human chorionic gonadotropin binding to gonadal receptors by a factor obtained from rat testicular tissue. Rojas FJ, et al. **Biol Reprod** 1981 Oct; 25(3):519–29

Inhibition by alpha-amanitin of development of tetrodotoxin-sensitive spike induced by brain extract in cultured chick skeletal muscle cells. Kano M, et al. **Brain Res** 1982 Apr;255(4):674–8

The in vivo effect of a thymic factor (thymostimulin) on immunologic parameters of patients with untreated Hodgkin's disease. Martelli MF, et al. **Cancer** 1982 Aug 1;50(3):490–7

Mutagen formation during the cooking of fish. Krone CA, et al. **Cancer Lett** 1981 Oct;14(1):93–9

Influence of the administration of bursa of Fabricius extract and anti-bursal extract serum on antibody formation. Mizutani T, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb; 30(2):730–3

Dual action of leucocyte dialysates and of thymosin on the recovery of sheep-cell-rosetting capacity in trypsinized human lymphocytes. Sargent IL, et al. **Clin Exp Immunol** 1982 Jan;47(1):183–90

Neural retina development in vitro. Effects of tissue extracts on cell survival and neuritic development in purified neuronal cultures. Hyndman AG, et al. **Dev Neurosci** 1982; 5(1):40–53

Effect of rat hypothalamic extract administration on insulin secretion in vivo. Bobbioni E, et al. **Endocrinology** 1982 Feb;110(2):631–6

Suppression of serum gonadotropin levels by testosterone and porcine follicular fluid in castrate male rats. Summerville JW, et al. **Endocrinology** 1981 Nov;109(5):1442–7

Age-dependent inhibition of growth of mouse neuroblastoma cells by mouse brain extract. Endoh Y, et al. **Exp Cell Biol** 1981;49(5):272–7

Fine structure of bovine lens epithelial cells in vitro in relation to modifications induced by a retinal extract (EDGF). Perry MM, et al. **Exp Cell Res** 1981 Dec; 136(2):379–90

In vitro and in vivo specificities of purified thymic factors inhibiting graft-versus-host reaction. Blazsek I, et al. **Exp Hematol** 1982 Apr;10(4):352–9

Stimulation of wound healing, using brain extract with fibroblast growth factor (FGF) activity. I. Quantitative and biochemical studies into formation of granulation tissue. Buntrock P, et al. **Exp Pathol** 1982;21(1):46–53

Stimulation of wound healing, using brain extract with fibroblast growth factor (FGF) activity. II. Histological and morphometric examination of cells and capillaries. Buntrock P, et al. **Exp Pathol** 1982;21(1):62–7

Influence of different corpus luteum fractions on the DNA synthesis of cultivated fibroblasts, medial, and endothelial cells. Jakob W, et al. **Exp Pathol** 1981;19(2):130–5

Contribution to the biological study of Spongia officinalis. Gonaález AG, et al. **Farmaco [Sci]** 1982 Mar;37(3):179–83

Measurement of 17 alpha, 20 beta-dihydroxy-4-pregnen-3-one in plasma of trout (Salmo gairdneri Richardson): seasonal changes and response to salmon pituitary extract. Scott AP, et al. **Gen Comp Endocrinol** 1982 Apr;46(4):444–51

Fibrinogen synthesis in the isolated perfused rat liver: stimulation by a humoral factor associated with trauma. Kirsch RE, et al. **Hepatology** 1982 Mar–Apr;2(2):205–8

Presence of ACTH-potentiating factors in rat anterior pituitary glands. Iida S, et al. **Horm Res** 1981;14(3):155–64

Murine macrophage cytotoxicity induced by mastocytoma cells, cell-free mastocytoma exudates, and extracts. Dullens HF, et al. **Immunopharmacology** 1981 Sep;3(3):241–51

Modified nutrient medium MCDB 151, defined growth factors, cholera toxin, pituitary factors, and horse serum support epithelial cell and suppress fibroblast proliferation in primary cultures of rat ventral prostate cells. McKeehan WL, et al. **In Vitro** 1982 Feb;18(2):87–91

Transferability of electro-convulsive shock induced short term memory impairment by brain homogenates in rats. Ullal GR, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun; 25(2):105–10

Gonococci with mutations to low-level penicillin resistance exhibit increased sensitivity to the oxygen-independent bactericidal activity of human polymorphonuclear leukocyte granule extracts. Daly JA, et al. **Infect Immun** 1982 Mar;35(3):826–33

A correlative study of the restorative effects of endogenous and exogenous hormones on the leydig cells, the testis and the epididymis of the regressed hedgehog. Effects of hormones on hedgehog Leydig cells. Bidwai PP, et al. **Int J Androl** 1981 Oct;4(5):590–605

Differences in cytosol factors in liver and hepatomas revealed by real or apparent effects on the incorporation of [3H] thymidine. Barra R, et al. **Int J Biochem** 1981; 13(12):1233–40

The effect of protease inhibitors on the polyclonal B cell activator from the serum of patients with rheumatoid arthritis. Teodorescu M, et al. **Int J Immunopharmacol** 1982; 4(1):1–7

An experimental study of the anti-inflammatory and anti-arthritic properties of a standardized placental extract. Gold-Aubert P, et al. **Int J Tissue React** 1981 Dec; 3(3–4):155–65

Local effects of PGF2 alpha and embryonic extracts on luteal function in swine. Ball GD, et al. **J Anim Sci** 1982 Jan; 54(1):150–4

Bilateral luteal maintenance in unilaterally pregnant pigs with infusions of embryonic extracts. Ball GD, et al. **J Anim Sci** 1982 Jan;54(1):142–9

Brain extract causes acetylcholine receptor redistribution which mimics some early events at developing neuromuscular junctions. Salpeter MM, et al. **J Cell Biol** 1982 May;93(2):417–25

Bone resorption and humoral hypercalcemia of malignancy: stimulation of bone resorption in vitro by tumor extracts is inhibited by prostaglandin synthesis inhibitors. Minkin C, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):941–7

Effects of oestradiol, hypothalamic extracts and luteinizing hormone releasing hormone on rat anterior pituitary gland gonadotrophin release in vitro before and after the preovulatory luteinizing hormone surge at pro-oestrus. Elias KA, et al. **J Endocrinol** 1981 Sep;90(3):345–54

Effects of single injections of bovine follicular fluid on gonadotrophin concentrations throughout the oestrous cycle of the rat. Hermans WP, et al. **J Endocrinol** 1982 Mar;92(3):425–32

[3H]Diazepam displacing activity in human cerebrospinal fluid. Kuhn W, et al. **J Neurochem** 1981 Oct;37(4):1045–7

Cholinergic neuronotrophic factors. Concurrent activities on certain nerve growth factor–responsive neurons. Manthorpe M, et al. **J Neurochem** 1982 Feb;38(2):415–21

Characterization of chick gizzard extract that promotes neurite outgrowth in cultured ciliary neurons. Miki N, et al. **J Neurochem** 1981 Sep;37(3):627–33

Breakdown of articular cartilage by vascular tissue. Jubb RW. **J Pathol** 1982 Apr;136(4):333–43

Some physical and chemical properties of the smooth muscle inhibitory factor in extracts of the bovine retractor penis muscle. Gillespie JS, et al. **J Physiol (Lond)** 1981 Jun; 315:111–25

Inhibition of the guinea-pig sperm acrosome reaction by a low molecular weight factor(s) in epididymal fluid and serum. Hyne RV, et al. **J Reprod Fertil** 1982 Jan; 64(1):151–7

Effects of soluble fraction of porcine tissue on the aggregation of human blood platelets. Davis RB, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):674–7

Inhibition of avian and mammalian hydroxy-indole-o-methyl-transferase (HIOMT) with low molecular weight fractions of mammalian pineal glands. Ebels I, et al. **Life Sci** 1982 Apr 19;30(16):1369–77

Factor from rat small intestine potently affects opiate receptor binding. Monferini E, et al. **Life Sci** 1981 Aug 10;29(6):603–12

The effect of calf-blood extract ('Solcoseryl'Solco') on the morphological appearance and certain histochemical reactions in rat liver. Beskid M, et al. **Mater Med Pol** 1981 Apr–Jun;13(2):120–3

Effects of solcoseryl on flap survival. Ueda M, et al. **Nagoya J Med Sci** 1981 Nov;44(1–2):23–30

Goldfish brain extract induces aggregation of acetylcholine receptors on cultured myotubes: increased activity following optic nerve axotomy. Schwartz M, et al. **Neurosci Lett** 1981 Dec 11;27(2):165–70

About the possibilities of registration of drug influence by means of radiocardiographic function analysis. Lösel E, et al. **Nuklearmedizin** 1981 Oct;20(5):236–40

Turkey sperm oxygen consumption, motility, and percentage dead after incubation in tissue homogenates. Bakst MR, et al. **Poult Sci** 1981 Nov;60(11):2542–7

Five methoxy-2-methyl-3-indole acetic acid. A metabolite and alkali hydrolysis product of indomethacin, markedly inhibits platelet aggregation only in the presence of aorta or a product released by aorta. Rosenblum WI, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):125–32

Inhibition of phytohaemagglutinin-induced transformation of lymphocytes by human spleen extracts. Casas JM, et al. **Rev Esp Fisiol** 1981 Jun;37(2):159–64

Modification of an experimental mouse Candida infection by human dialyzable leukocyte extract. Sen P, et al. **Sabouraudia** 1982 Jun;20(2):85–93

[Modification of the koch bacillus by a material extracted from tuberculosis lesions] Lafont J, et al. **Can J Microbiol** 1981 Jul;27(7):735–7 (Eng. Abstr.) **(Fre)**

[Ultrastructural modifications in the pigeon islets of Langerhans after epiphysectomy and treatment with epifizan (author's transl)] Mihail N, et al. **Z Mikrosk Anat Forsch** 1981;95(6):1011–26 (Eng. Abstr.) **(Ger)**

[Effect of splenin on the development of tuberculin shock and Bordet's phenomenon in guinea pigs] Chernushenko EF, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):583–5 (Eng. Abstr.) **(Rus)**

[Effect of splenin and its fractions on the functional state of the adrenal cortex] Gasanov SG, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):98–100 (Eng. Abstr.) **(Rus)**

[Changes in the posture of healthy rats following intracranial administration of brain extracts from animals with experimental vestibulopathies] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):404–6 (Eng. Abstr.) **(Rus)**

[Asymmetric changes of the muscle tonus of the hindlimbs of rats subjected to administration of extracts from the left and right brain hemispheres] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):14–6 (Eng. Abstr.) **(Rus)**

[Phagocytic activity of the reticuloendothelial system in burn toxicity] Nedoshivina RV, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):22–4 (Eng. Abstr.) **(Rus)**

[Analysis of certain mechanisms of antigen-specific suppression of the immune response] Pisarev VM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):61–3 (Eng. Abstr.) **(Rus)**

[Inhibition of DNA synthesis in vitro in normal and leukemic spleen cells after administration of a lyophilized aqueous extract of normal spleen tissue] Svirnovskiĭ AI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):715–7 **(Rus)**

[Postural asymmetry induction by factors of the right and left hemispheres] Bakalkin GIa, et al. **Dokl Akad Nauk SSSR** 1981;260(5):1271–5 **(Rus)**

[Stabilizing effect of splenin on rat liver lysosomal membranes] Shevchenko AV, et al. **Fiziol Zh** 1982 Mar–Apr;28(2):225–9 (Eng. Abstr.) **(Rus)**

[Effect of fetoplacental factors on in vitro proliferation of lymphocytes and non-lymphoid cells] Golovistikov IN, et al. **Ontogenez** 1981;12(1):97–9 (Eng. Abstr.) **(Rus)**

[Ratio of the depressive effect of macromolecular synthetic inhibitors in the mitochondria to the concentration of gonadotropic hormones in the in vitro maturation of Xenopus oocytes] Skoblina MN, et al. **Ontogenez** 1982 May–Jun;13(3):318–21 (Eng. Abstr.) **(Rus)**

[Effect of colchicine on the in vitro maturation of frog oocytes as affected by a suspension of hypophysis and progesterone] Skoblina MN, et al. **Ontogenez** 1982 May–Jun;13(3):251–6 (Eng. Abstr.) **(Rus)**

[Interstitial growth-inhibiting substances in the heart] Tumanishvili GD, et al. **Tsitologiia** 1981 Oct;23(10):1133–41 (Eng. Abstr.) **(Rus)**

[Fibrinolytic activity of blood and thyroid tissue in nodular goiter and thyrotoxicosis] Kovalev AP. **Vrach Delo** 1981 Oct;(10):81–2 **(Rus)**

[Peptides and their bacteriological activity in guinea-pig skin during experimental toxic contact dermatitis (author's transl)] Antol M, et al. **Cesk Dermatol** 1982 Feb;57(1):27–33 (Eng. Abstr.) **(Slo)**

STANDARDS

[Proposals for the pharmacopoeia: tinctures and extracts] Carlassare M. **Boll Chim Farm** 1981 Jun;120(6):351–68 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Effect of protein-free parathyroid extract (PF-PTE) and gamma-L-glutamyl-taurine (glutaurine) on X-ray induced hyperglycaemia in the rat. Feuer L, et al. **Acta Med Acad Sci Hung** 1981;38(2):159–62

Salutary effects of a splenic factor in acute hemorrhagic shock. Spillert CR, et al. **Adv Shock Res** 1980;4:203–6

Effect of a deproteinized blood extract on the recovery of blood circulation in an ischaemic skin lesion. Smahel J. **Br J Exp Pathol** 1982 Apr;63(2):177–83

Seatone in arthritis [letter] Gibson RG, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1472

Prevention of experimentally induced cleft palate in mice. Schubert J. **Cleft Palate J** 1982 Apr;19(2):83–8

The effect of a cartilage bone marrow extract on experimentally induced osteoarthrosis in the knee joints of rabbits. A scanning electron microscopic study. Neumüller J, et al. **Int J Tissue React** 1981 Mar;3(1):1–10

Cell-free supernatant from hepatocyte cultures improves survival of rats with chemically induced acute liver failure. O'Neill PL, et al. **J Surg Res** 1982 Apr;32(4):347–59

New Zealand green-lipped mussel extract (Seatone) in rheumatoid arthritis [letter] Gibson RG, et al. **NZ Med J** 1981 Jul 22;94(688):67–8

Immunotherapy with dialyzable leukocyte extracts and studies of their antigen-specific (transfer factor) activity. Fudenberg HH, et al. **Proc Virchow Pirquet Med Soc** 1980 Dec;34:3–87 (151 ref.)

[Differential treatment of acute peripheral arterial embolism with special reference to local lytic therapy] Pöhlmann G, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):243–5 **(Ger)**

[Use of no-protein blood extract for infertility and sterility (author's transl)] Hofmann R, et al. **Zentralbl Gynakol** 1981; 103(19):1147–54 (Eng. Abstr.) **(Ger)**

[The antithrombophilic complex of the arterial wall in the treatment of the acute phase of myocardial infarct] Comi G, et al. **Clin Ter** 1981 Dec 31;99(6):581–613 (Eng. Abstr.) **(Ita)**

[Myocardial preservation by pretreatment with drugs: experimental study (author's transl)] Matsunaga H. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1776–90 (Eng. Abstr.) **(Jpn)**

[Effect of levamisole, splenin and thymosterin A on the immunocompetent cells of tuberculosis patients] Kogosova LS, et al. **Probl Tuberk** 1982 May;(5):60–4 **(Rus)**

[Effect of raveron and levorin on urination recovery in prostatic adenoma and chronic prostatitis] Savin VF, et al. **Urol Nefrol (Mosk)** 1982 Mar–Apr;(2):22–4 (Eng. Abstr.) **(Rus)**

[Use of apiculture products in ophthalmology] Mozherenkov VP. **Vestn Oftalmol** 1981 Sep–Oct;(5):67–9 **(Rus)**

[Use of splenin for correcting lipid metabolic disorders in systemic connective tissue diseases] Kishko AS. **Vrach Delo** 1982 Feb;(2):79–81 **(Rus)**

[Splenin in the therapy of diabetic ketoacidosis] Shcherbak AV, et al. **Vrach Delo** 1982 Jun;(6):13–5 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of liobyl] Vakhrushev IaM, et al. **Vrach Delo** 1981 Nov;(11):35–7 **(Rus)**

TOXICITY

Lethal factor in the male mouse submandibular gland. Hatakeyama K, et al. **Can J Physiol Pharmacol** 1981 Nov; 59(11):1134–8

TISSUE FACTOR see **THROMBOPLASTIN**

TISSUE PRESERVATION

Saphenous vein trauma [letter] Boncheck LI. **Ann Thorac Surg** 1982 Jan;33(1):99–101

The physical properties of bovine pericardium: a study of the effects of stretching during chemical treatment in glutaraldehyde. Reece IJ, et al. **Ann Thorac Surg** 1982 May; 33(5):480–5

Assessment and interpretation of corneal endothelial cell morphology and function following cryopreservation. Madden PW, et al. **Br J Ophthalmol** 1982 Feb;66(2):136–40

Preventing corneal autolysis after a donor's death. Basu PK, et al. **Can J Ophthalmol** 1982 Apr;17(2):70–3

The mechanical properties of human dura mater and the effects of storage media. van Noort R, et al. **Clin Phys Physiol Meas** 1981 Aug;2(3):197–203

Organ temperature measurement in a microwave oven by resonance frequency shift. Cooper D, et al. **Cryobiology** 1981 Aug;18(4):378–85

Analysis of 'solution effects' injury: cooling rate dependence of the functional and morphological sequellae of freezing in rabbit renal cortex protected with dimethyl sulfoxide. Fahy GM. **Cryobiology** 1981 Dec;18(6):550–70

DNA strand breakage after kidney storage. Lazarus HM, et al. **Cryobiology** 1982 Apr;19(2):129–35

Adenine nucleotide levels of canine kidneys during hypothermic aerobic or anaerobic storage in Collins solution. Fischer JH, et al. **Eur Surg Res** 1981;13(2):178–88

Viability of canine lung after temporary ischemia under cooling. An electron microscopy study. Harada K, et al. **Eur Surg Res** 1981;13(5):344–53

Protective effects pf PGF2 alpha and PGE2 against immunological actions in long-term preserved rat. Păuşescu E, et al. **Eur Surg Res** 1982;14(1):1–16

Cytochemical and immunological properties of cryopreserved blast cells. Delfini C, et al. **Haematologica (Pavia)** 1981 Apr;66(2):151–9

The influence on enzyme activity of storage of tissue blocks at -70 degrees C. Henderson B, et al. **Histochemistry** 1981; 72(4):545–50

Bone marrow processing and cryopreservation. Linch DC, et al. **J Clin Pathol** 1982 Feb;35(2):186–90

The effects of preservation on microvascular vein grafts in rats. Razaboni RM, et al. **J Microsurg** 1981 Winter; 3(2):65–71

Dentin matrix gelatin (DMG) as a possible 'universal' grafting material in periodontics. Gould TR, et al. **J Periodontol** 1982 Jan;53(1):22–5

Functional studies in 6 days successful preserved canine kidneys. Rijkmans BG, et al. **J Urol** 1982 Jan;127(1):163–6

The metabolism of the preserved heart. I. Does lactate properly reflect the functional state of the preserved heart? Part one. Păuşescu E. **Physiologie** 1981;18(3):213–25 contd

Theoretical and experimental bases of the ex vivo organ conditioning prior to transplentation. I. Metabolic possibilities. Păuşescu E. **Physiologie** 1982 Jan–Mar; 19(1):41–55 (123 ref.)

The role of pH monitoring during kidney preservation: experimental and clinical observations. Toledo-Pereyra LH, et al. **Proc Clin Dial Transplant Forum** 1980;10:211–4

Allogenic bone transplantation. Part I. A review of the status of allogenic bone banks. Jonck LM. **S Afr Med J** 1981 Sep 12;60(11):428–30 (43 ref.)

Allogenic bone transplantation. Part II. A histological and radiographic study of freeze-dried bone allo-implants in primates. Jonck LM, et al. **S Afr Med J** 1981 Sep 19; 60(12):453–7

Cryopreservation of human sperm [letter] Kaden R, et al. **S Afr Med J** 1981 Oct 17;60(16):609–10

Long-term preservation of segmental pancreas autografts. Florack G, et al. **Surgery** 1982 Aug;92(2):260–9

Effect of hypotension on the results of kidney storage and the use of dopamine under these conditions. Grundmann R, et al. **Transplantation** 1981 Sep;32(3):184–7

Comparison of flushing solutions for in situ renal preservation. Abele RP, et al. **Urology** 1981 Nov; 18(5):485–9

Tubular transport capacity in human kidney cortex slices after prolonged preservation in Collins 2 solution. Bennett WM, et al. **Urology** 1982 Jun;19(6):626–7

[Hypothermic conservation and autotransplantation of small intestine in piglets (author's transl)] Ricour C, et al. **Gastroenterol Clin Biol** 1981 Nov;5(11):977–86 (Eng. Abstr.) **(Fre)**

[Selection criteria and results of medium-term storage of corneas for keratoplasty (author's transl)] Weekers JF. **J Fr Ophtalmol** 1982;5(5):347–52 (Eng. Abstr.) **(Fre)**

[Cryopreservation of lymphocytes using polyethylene glycols of high polymerization grade (author's transl)] Voigt WD, et al. **Blut** 1981 Oct;43(4):257–64 (Eng. Abstr.) **(Ger)**

[Cooling of amputated limbs during transport] Rudigier J. **Dtsch Med Wochenschr** 1982 Jul 16;107(28):1116–8 **(Ger)**

[An objective rapid testing method for viability of corneal endothelium after conservations (author's transl)] Schrapel A, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):53–7 (Eng. Abstr.) **(Ger)**

[The dielectric behavior of the isolated kidney during hypothermic preservation] Seemann B, et al. **Z Urol Nephrol** 1981 Sep;74(9):690–6 **(Ger)**

[Experimental microsurgery in transplantation of skin preserved by cooling] Gaspari A, et al. **Ann Ital Chir** 1981; 53(1):51–3 **(Ita)**

[comparative value of refrigerated and freeze-dried homologous bone transplants in the treatment of hip joint dysplasia by Salter's osteotomy] Bronarski J, et al. **Chir Narzadow Ruchu Ortop Pol** 1981;46(1):41–3 (Eng. Abstr.) **(Pol)**

[Normothermal extracorporeal perfusion of the liver] Fluture V, et al. **Rev Chir [Chir]** 1980 Jul–Aug;29(4):293–308 (Eng. Abstr.) **(Rum)**

[Changes in mackerel (Scomber scombrus, L.) skeletal muscle tissue during prolonged low-temperature preservation] Lebskaia TK, et al. **Arkh Anat Gistol Embriol** 1981 Jun; 80(6):76–81 (Eng. Abstr.) **(Rus)**

[Transplantation of allogeneic bone marrow cryopreserved for long periods to lethally irradiated dogs] Novikova MN, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):54–7 (Eng. Abstr.) **(Rus)**

[Tissue and organ preservation and transplantation problems] Lapchinskiĭ AG. **Ortop Travmatol Protez** 1981 Apr; (4):34–41 (Eng. Abstr.) **(Rus)**

[Effect of changes in CO2 and O2 tension in circulating blood on coronary vascular resistance and myocardial oxygen consumption in the biological preservation of the heart] Barinov EF. **Patol Fiziol Eksp Ter** 1981 Jul–Aug;(4):54–7 (Eng. Abstr.) **(Rus)**

[Development of an optimal perfusion solution for liver preservation at temperatures of 2–4 degrees C] Zhuravlev VA, et al. **Vestn Khir** 1981 Dec;127(12):33–7 (Eng. Abstr.) **(Rus)**

METHODS

Preparation of gelatin blocks containing tissue samples for use in ballistics research. Lewis RH, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):181–4

Freezing of human kidneys: initial in vitro observations. Toledo-Pereyra LH, et al. **Am Surg** 1982 May;48(5):232–6

Osmium vapor fixation of pulmonary surfactant. Callas G. **Anat Rec** 1982 Jun;203(2):301–6

Skull preparation using the exzyme-active detergent technique. Mooney MP, et al. **Anat Rec** 1982 Jan; 202(1):125–9

Breast reconstruction with a cryopreserved nipple. Cucin RL. **Ann Plast Surg** 1982 Feb;8(2):163–5

Twenty-four- and 48-hour canine liver preservation by simple hypothermia with prostacyclin. Monden M, et al. **Ann Surg** 1982 Jul;196(1):38–42

Proposed recommended practices for storing, preserving, and maintaining skin, bone, cartilage, and blood vessel tissue. From the Recommended Practices Subcommittee AORN. **AORN J** 1982 Apr;35(5):934–43

Autogenous collagen autobank (II) in rhinology. Estrada-Arvide F. **Arch Invest Med (Mex)** 1981; 12(4):539–51 **(Eng, Spa)**

A new technique for lathing lyophilized cornea for refractive keratoplasty. Maguen E, et al. **Arch Ophthalmol** 1982 Jan; 100(1):119–21

An improved method for the preservation of teaching specimens. Bickley HC, et al. **Arch Pathol Lab Med** 1981 Dec;105(12):674–6

Deferred parathyroid autografts with cryopreserved tissue after reoperative parathyroid surgery. Saxe AW, et al. **Arch Surg** 1982 May;117(5):538–43

A study of the effects of glutaraldehyde and formaldehyde on the mechanical behaviour of bovine pericardium. van Noort R, et al. **Biomaterials** 1982 Jan;3(1):21–6

Experiences with cadaver renal allograft contamination before transplantation. Spees EK, et al. **Br J Surg** 1982 Aug;69(8):482–5

Storing amniotic membrane in silver sulfadiazine suspension [letter] Bose B. **Can Med Assoc J** 1982 Jul 15;127(2):112, 115

Storage of an autogenous cortical bone graft in a subcutaneous pouch with subsequent transplantation. Harper MC. **Clin Orthop** 1982 Mar;(163):113–9

Antibacterial and osteoinductive properties of demineralized bone matrix treated with silver. Kramer SJ, et al. **Clin Orthop** 1981 Nov–Dec;(161):154–62

Pedodontics [letter] Berkowitz R, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):206

Seleno-DL-methionine reduces freezing injury in hearts protected with ethanediol. Armitage WJ, et al. **Cryobiology** 1981 Aug;18(4):370–7

Myocardial protection of the homograft II cold coronary perfusion. Parent R, et al. **Cryobiology** 1981 Dec; 18(6):571–6

Pancreatic islet banking: the transplantation of frozen-thawed rat islets transported between centers. Rajotte RV, et al. **Cryobiology** 1981 Aug;18(4):357–69

Transient mass transfer processes during the perfusion of a biological organ with a cryophylactic agent solution. Rubinsky B, et al. **Cryobiology** 1982 Feb;19(1):70–82

Function of rabbit kidneys in vitro at normothermia following equilibration with 3.0 M Me2SO and removal by hypertonic washout at 10 degrees C. Segal NB, et al. **Cryobiology** 1982 Feb;19(1):50–60

Kinetics of permeation and intracellular events associated with Me2SO permeation of rabbit kidneys during perfusion at 10 degrees C. Segal NB, et al. **Cryobiology** 1982 Feb; 19(1):41–9

Effects of dimethyl sulfoxide on the globally ischemic heart: possible general relevance to hypothermic organ preservation. Shlafer M, et al. **Cryobiology** 1982 Feb; 19(1):61–9

Enrichment and cryopreservation of bone marrow progenitor cells for autologous reinfusion. Van de Ouweland F, et al. **Cryobiology** 1982 Jun;19(3):292–8

Study of granulocyte-macrophage progenitor (CFUc) preservation after slow freezing of bone marrow in the gas phase of liquid nitrogen. Douay L, et al. **Exp Hematol** 1982 Apr;10(4):360–6

Pretransplantation treatment of human teeth in tissue culture combined with storage in liquid nitrogen. A scanning electron microscopic study. Pfragner R, et al. **Exp Pathol** 1981;20(2):128–32

Experimental studies on cadaver pancreas preserved by perfusion. Nakagawara G, et al. **Gastroenterol Jpn** 1981; 16(5):514–20

Preservation and visualization of actin-containing filaments in the apical zone of cochlear sensory cells. Itoh M. **Hear Res** 1982 Apr;6(3):277–89

Preservation of cornea in honey. Mohan M, et al. **Indian J Ophthalmol** 1981 Jan;28(4):211–4

An investigation into the reduction of tooth contamination in delayed transplantation. Comfort MB. **Int J Oral Surg** 1982 Apr;11(2):122–6

The effect of incomplete fixation of elastin on the appearance of pulmonary alveoli. Sobin SS, et al. **J Biomech Eng** 1982 Feb;104(1):68–71

Normothermic preservation of isolated organs. Buchs JB, et al. **J Biomed Eng** 1981 Jul;3(3):221–4

Conservation of veins with preservation of viable endothelium. Gottlob R, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):109–16

Organ culture of adult human skin; effect of culture temperature. Yasuno H, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):267–75

Drug permeation through human skin: I. Effect of storage conditions of skin. Swarbrick J, et al. **J Invest Dermatol** 1982 Jan;78(1):63–6

Optimum conditions for cryoquenching of small tissue blocks in liquid coolants. Elder HY, et al. **J Microsc** 1982 Apr; 126(Pt 1):45–61

The effects of storage media and perfusion on osteoblast and osteocyte survival in free composite bone grafts. Berggren A, et al. **J Microsurg** 1981 Jun;2(4):273–82

Preserved arterial grafts in microvascular surgery. Cruz NI, et al. **J Microsurg** 1981 Jun;2(4):250–2

The effect of ATP-MgCl2 and dipyridamole pretreatment in renal preservation. Garvin PJ, et al. **J Surg Res** 1982 Jan;32(1):70–4

Preservation for transplantation: a review of techniques of islet cell culture and storage. Gordon DA, et al. **J Surg Res** 1982 Feb;32(2):182–93 (42 ref.)

Assessment of hypothermic preservation of the pancreas in the rat by a normothermic perfusion assay. Pegg DE, et al. **J Surg Res** 1982 Sep;33(3):194–200

Endothelial integrity after venous cryopreservation. Sachs SM, et al. **J Surg Res** 1982 Mar;32(3):218–27

Current research review. Organ Freezing. Toledo-Pereyra LH, et al. **J Surg Res** 1982 Jan;32(1):75–84 (67 ref.)

Successful orthotopic canine heart transplantation after 24 hours of in vitro preservation. Guerraty A, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):531–7

Assessment of myocardial subcellular function after 24 hours of in vitro preservation and transplantation. Warner M, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):290–7

Orthotopic transplantation of the baboon heart after 20 to 24 hours' preservation by continuous hypothermic perfusion with an oxygenated hyperosmolar solution. Wicomb W, et al. **J Thorac Cardiovasc Surg** 1982 Jan; 83(1):133–40

Maintenance of rat liver viability enhanced by cold flushing with oxygenated perfluorochemicals. Konno T, et al. **Jpn J Surg** 1981;11(3):209–13

Greatly extended viability of rat brain storage vesicles in an intracellular medium based upon a non-permeant polyanion. Disbrow JK, et al. **Life Sci** 1981 Nov 9; 29(19):1989–96

Bacterial contamination of donor corneas stored in McCarey-Kaufman medium. Christenson J, et al. **Ophthalmic Surg** 1982 Mar;13(3):231–3

A comparative study of glycerinized and lyophilized porcine skin in dressings for third-degree burns. Basile AR. **Plast Reconstr Surg** 1982 Jun;69(6):969–74

Experimental normothermic kidney preservation: histological considerations. Dunn RN, et al. **Proc Eur Dial Transplant Assoc** 1981;18:410–5

A method for the study of vascular reactivity of isolated perfused rabbit liver. Martinková J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(1):93–9

Periodontal healing of exarticulated monkey teeth stored in milk or saliva. Blomlöf L, et al. **Scand J Dent Res** 1981 Jun;89(3):251–9

Donor pretreatment-mediated and cold storage-dependent proximal tubular necrosis—a unique form of acute renal insufficiency. Brom HL, et al. **Surgery** 1982 Jul;92(1):45–51

An improved technique for preservation of endothelial morphology in vein grafts. LoGerfo FW, et al. **Surgery** 1981 Dec;90(6):1015–24

Cryopreservation of whole pancreas versus islet cells. Toledo-Pereyra LH, et al. **Trans Am Soc Artif Intern Organs** 1981;27:259–62

Human kidney preservation by intracellular electrolyte flush followed by cold storage for over 24 hours. Barry JM, et al. **Transplantation** 1981 Dec;32(6):485–7

A new perfusate for kidney preservation. Belzer FO, et al. **Transplantation** 1982 Mar;33(3):322–3

A species difference in the efficacy of two intracellular flush solutions. Collins GM, et al. **Transplantation** 1982 Mar; 33(3):324

Citrate flushing and 24-hour cold storage of segmental canine pancreatic autografts. DuToit DF, et al. **Transplantation** 1982 Feb;33(2):202–4

Advantage of cold storage over machine perfusion for preservation of cadaver kidneys. Opelz G, et al. **Transplantation** 1982 Jan;33(1):64–8

Renal preservation with gaseous perfusion. Ross H, et al. **Transplantation** 1982 Feb;33(2):206–8

In situ cadaver kidney perfusion: experimental and clinical studies. Schweizer RT, et al. **Transplantation** 1981 Dec; 32(6):482–4

Method of preservation is not a determinant of graft outcome in kidneys transplanted by Southeastern Organ Procurement Foundation Institutions. Vaughn WK, et al. **Transplantation** 1981 Dec;32(6):490–4

[Experimental transplantation of human cadaveric dura mater preserved by a new method] Mechkarski S, et al. **Khirurgiia (Sofiia)** 1981;34(3):295–9 **(Bul)**

[Cornea preservation: its improvement and clinical application (author's transl)] Ma ZX. **Chung Hua Yen Ko Tsa Chih** 1981 Nov;17(6):331–4 **(Chi)**

[A report on experimental studies and clinical application of cornea preserved with human cord blood serum (author's transl)] Xie LX. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):294–8 **(Chi)**

[Experimental studies on bone grafts] Zhang GP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3 Suppl 1:1–4 (Eng. Abstr.) **(Chi)**

[Prolonged hypothermic perfusion of the small intestine of the dog (author's transl)] Bartoš V, et al. **Cesk Gastroenterol Vyz** 1981 May;35(3):112–7 (Eng. Abstr.) **(Cze)**

[The use of jugular veins as carotid artery substitutes in dogs: a comparison between cryopreservation techniques and the tanning process of vein preservation (author's transl)] Sheiner N, et al. **J Chir (Paris)** 1982 Apr;119(4):275–82 (Eng. Abstr.) **(Fre)**

[Freeze preservation of hematopoietic stem cells] Herve P. **Rev Fr Transfus Immunohematol** 1981 Dec;24(6):609–30 (51 ref.) **(Fre)**

[Experimental studies and clinical experiences with homologous tendon grafts preserved with beta-propiolactone] Salamon A, et al. **Handchirurgie** 1980; 12(3–4):207–11 (Eng. Abstr.) **(Ger)**

[Electron microscopic findings during hypothermic storage. Preservation of the liver. I. (author's transl)] Otto G, et al. **Langenbecks Arch Chir** 1981;354(2):117–23 (Eng. Abstr.) **(Ger)**

[Electron microscopic findings during hypothermic storage preservation of the liver. II. (author's transl)] Otto G, et al. **Langenbecks Arch Chir** 1981;354(2):125–31 (Eng. Abstr.) **(Ger)**

[Behavior of extracorporeal kidneys during hypothermic perfusion in animal experiments. 2: Effect of roentgen contrast media on perfusion behavior] Schabel J, et al. **MMW** 1981 Aug 21;123(34):1271–2 **(Ger)**

[Behavior of extracorporeal kidneys during hypothermic perfusion in animal experiments. 1: Effect of warm ischemia time on the perfusion results] Schabel J, et al. **MMW** 1981 Aug 21;123(34):1269–70 **(Ger)**

[Behavior of adenine nucleotides ATP, ADP and AMP in liver preservation] Otto G, et al. **Z Exp Chir** 1981; 14(4):182–91 (Eng. Abstr.) **(Ger)**

[Glycolysis during hypothermic storage preservation of the liver] Otto G, et al. **Z Exp Chir** 1981;14(4):175–81 (Eng. Abstr.) **(Ger)**

[Evaluation of the preserved state of dog lungs by means of oxidative and phosphorylative functions in mitochondria] Rabinowitsch JJ, et al. **Z Exp Chir** 1981; 14(4):192–5 (Eng. Abstr.) **(Ger)**

[Evaluation of different procedures for hypothermic kidney preservation] Althaus P, et al. **Z Urol Nephrol** 1981 Oct; 74(10):755–63 **(Ger)**

[Mechanical stability of vascular grafts for chronic hemodialysis, preserved with methanal or peroxyethanic acid] Wenzel KP. **Z Urol Nephrol** 1982 Mar;75(3):167–70 (Eng. Abstr.) **(Ger)**

[Freeze-preserved vein allograft for angio-access in dialysis and chemotherapy] Siegal B. **Harefuah** 1981 Oct; 101(7–8):171–2 (Eng. Abstr.) **(Heb)**

[Renal preservation (part 2). Simplification of perfusate preparation for renal preservation-membrane-separated plasma perfusate (author's transl)] Takahashi K. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):445–55 (Eng.

Abstr.) (Jpn)
[Renal preservation (part 1). Perfusion preservation versus simple hypothermic storage (author's transl)] Takahashi K. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):431–43 (Eng. Abstr.) (Jpn)
[Renal preservation (part 3). Simplified in situ preservation of cadaveric kidneys–laboratory observation and clinical application (author's transl)] Takahashi K. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):457–68 (Eng. Abstr.) (Jpn)
[Preparation of anatomic museum specimens while preserving their color and consistency] Megvinov LS. **Arkh Patol** 1981;43(8):71–2 (Eng. Abstr.) (Rus)
[Choice of the optimal regimens for preserving the heart with weak aldehyde solutions using mathematical methods of experimental design] Tel'pukhov VI, et al. **Biull Eksp Biol Med** 1982 May;93(5):106–9 (Eng. Abstr.) (Rus)
[Effect of electric stimulation of the stellate ganglion and inclusion of the adrenals on catecholamine concentration in the isolated heart] Barinov EF. **Fiziol Zh SSSR** 1981 Oct;67(10):1501–5 (Eng. Abstr.) (Rus)
[Effect of the method of heart preservation on hemodynamics of the transplanted heart with the original heart still in place] Martsinkiavichus A, et al. **Grudn Khir** 1982 Mar–Apr;(2):39–45 (Eng. Abstr.) (Rus)
[Experimental lung preservation for 24 hours with delayed autotransplantation] Rabinovich Ia1a, et al. **Grudn Khir** 1981;(6):58–63 (Eng. Abstr.) (Rus)
[Assessment of the fitness of donor livers for transplantation after preservation] Margulis MS, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):57–60 (Rus)
[Kidney preservation by a nonperfusion method] Shumakov VI, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):73–7 (Rus)
[Cytochemical characteristics of the metabolic indices in cryopreserved corneas] Iurchenko TN, et al. **Oftalmol Zh** 1981;36(7):433–6 (Eng. Abstr.) (Rus)
[Methodological approaches to the problem of preserving bones and other static tissues (are viable tissues necessary for the plastic repair of tissue defects?)] Feĭgel'man SS. **Ortop Travmatol Protez** 1982;(5):62–6 (36 ref.) (Rus)
[Apropos Feĭgel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin'] Rodnianskiĭ LL. **Ortop Travmatol Protez** 1981 Nov;(11):57 (Rus)
[Viability of formalinized biotransplants (apropos of Feĭgel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin')] Savel'ev VI. **Ortop Travmatol Protez** 1981 Nov;(11):55–7 (Rus)
[Clinical x-ray and biochemical aspects of transplanting articular cartilage preserved in liquid nitrogen (–196 degrees C)] Tal'ko II, et al. **Ortop Travmatol Protez** 1981 Apr;(4):62–5 (Eng. Abstr.) (Rus)
[Effect of cryopreservation factors on in vivo lymphocyte and hematopoietic stem cell interaction] Ignasheva LP, et al. **Patol Fiziol Eksp Ter** 1982 Mar–Apr;(2):32–5 (Eng. Abstr.) (Rus)
[Colony-forming ability of cells of cryopreserved human bone marrow after long-term (up to 16 years) storage at ultralow temperatures] Timakova LA. **Probl Gematol Pereliv Krovi** 1982 Apr;27(4):17–9 (Rus)
[Effect of cooling and preservation on the cytochemical indices of glycolysis in corneal cells] Iurchenko TN, et al. **Tsitol Genet** 1982 May–Jun;16(3):3–7 (Rus)
[Heart preservation in a cardiopulmonary preparation: methods, conditions, management] Chilaia SM, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):37–44 (Eng. Abstr.) (Rus)
[Pharmacologic protection of the kidneys from ischaemic damage. Mechanism of achievement of anti-ischemic protection of donor kidneys with drugs from different pharmacologic groups] Kirpatovskiĭ VI, et al. **Vestn Akad Med Nauk SSSR** 1982;(1):73–8 (Eng. Abstr.) (Rus)
[Methods of increasing the effectiveness of liver preparation for preservation] Kleiza V, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):52–7 (Eng. Abstr.) (Rus)
[Use of inosine for kidney preservation. Effectiveness and possible mechanisms of action] Kulaev DV, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):75–8 (Eng. Abstr.) (Rus)
[Experience in the clinical use of cryopreserved cornea] Volkov VV, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):28–31 (Eng. Abstr.) (Rus)
[Renal preservation: comparative experimental study of the simple-immersion-under-hypothermia and the combined technic of continuous perfusion and hypothermia] Gastón de Iriarte E, et al. **Actas Urol Esp** 1981 Sep–Oct;5(5):273–80 (Eng. Abstr.) (Spa)

VETERINARY

Deep-freezing of cow embryos. A review. Lehn-Jensen H. **Nord Vet Med** 1981 Sep–Nov;33(9–11):476–83 (36 ref.)
Survival of cow blastocysts utilizing short freezing curves. Lehn-Jensen H, et al. **Nord Vet Med** 1981 Dec;33(12):523–9

TISSUE SURVIVAL

Preliminary use of linear discriminant function to predict success or failure of kidney transplant. Bernstein LH, et al. **Ann Clin Lab Sci** 1982 Jan–Feb;12(1):60–7
Fourier analysis of isolated rat heart electrocardiographs as a measure of viability after cooling to – 22 degrees C with the aid of a cryoprotective agent. Adem CG, et al. **J Biomed Eng** 1981 Jul;3(3):200–5
The effect of temperature on tolerance to ischemia in experimental free flaps. Cooley BC, et al. **J Microsurg** 1981 Fall;3(1):11–4
Successful orthotopic canine heart transplantation after 24 hours of in vitro preservation. Guerraty A, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):531–7
Differential patency and limb salvage for polytetrafluoroethylene and autogenous saphenous vein in severe lower extremity ischemia. Yeager RA, et al. **Surgery** 1982 Jan;91(1):99–103
[Devitalization and haemostasis by thermal destruction--results of enzyme-histochemical and histological examination of oviduct specimens, following tissue coagulation by means of endocoagulation or high-frequency current (author's transl)] Riedel HH, et al. **Zentralbl Gynakol** 1982;104(8):489–501 (Eng. Abstr.) (Ger)
[Combined intraoperative method for the objective determination of intestinal viability in children] Davidenko VB. **Klin Khir** 1981 Jun;(6):70–3 (Eng. Abstr.) (Rus)
[Transillumination methods of determining the viability of an invaginated intestine in children] Rokitskiĭ MR, et al. **Klin Khir** 1981 Jun;(6):16–8 (Eng. Abstr.) (Rus)
[Are viable tissues necessary for the plastic repair of tissue defects?] Eingorn AG, et al. **Ortop Travmatol Protez** 1981 Jul;(7):65–9 (Rus)
[Methodological approaches to the problem of preserving bones and other static tissues (are viable tissues necessary for the plastic repair of tissue defects?)] Feĭgel'man SS. **Ortop Travmatol Protez** 1982;(5):62–6 (36 ref.) (Rus)

DRUG EFFECTS

Effects of various cryoprotective agents on the survival of unfrozen and frozen mouse embryos. Kasai M, et al. **J Reprod Fertil** 1981 Sep;63(1):175–80
[Apropos Feĭgel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin'] Rodnianskiĭ LL. **Ortop Travmatol Protez** 1981 Nov;(11):57 (Rus)
[Viability of formalinized biotransplants (apropos of Feĭgel'man's article, 'Appearance of Viability in Tissues Preserved in Weak Solutions of Formalin')] Savel'ev VI. **Ortop Travmatol Protez** 1981 Nov;(11):55–7 (Rus)
[Functional and ultrastructural lysosome changes in surviving rat liver sections as affected by blood serum lipoproteins] Panin LE, et al. **Tsitologiia** 1981 Sep;23(9):1020–5 (Eng. Abstr.) (Rus)

TISSUE THERAPY

[Effect of tissue therapy on body nonspecific reactivity in diabetes mellitus] Gruzina EA, et al. **Vrach Delo** 1982 Jan;(1):68–70 (Rus)

TISSUE TYPING see **HISTOCOMPATIBILITY TESTING**

TITANIUM

Segmental replacement of the femur in baboons with fiber metal implants and autologous bone grafts of different particle size. Andersson GB, et al. **Acta Orthop Scand** 1982 Jun;53(3):349–54
Titanium tray mandibular reconstruction. Schuller DE, et al. **Arch Otolaryngol** 1982 Mar;108(3):174–8
Use of titanium surgical clips to avoid artifacts seen on computed tomography. Saxe AW, et al. **Arch Surg** 1982 Jul;117(7):978–9
An analysis of collar function and the use of titanium in femoral prostheses. Crowninshield RD, et al. **Clin Orthop** 1981 Jul–Aug;(158):270–7
A new method for coupling glucose dehydrogenase to glass tubes activated with titanium tetrachloride. Bisse E, et al. **FEBS Lett** 1982 Feb 22;138(2):316–8
The attachment mechanism of epithelial cells to titanium in vitro. Gould TR, et al. **J Periodont Res** 1981 Nov;16(6):611–6
Corrosion of gold alloys and titanium in artificial saliva. Brune D, et al. **Scand J Dent Res** 1982 Apr;90(2):168–71
Titanium implants permanently penetrating human skin. Brånemark PI, et al. **Scand J Plast Reconstr Surg** 1982;16(1):17–21
[Titanium teeth implantation (report of 79 cases) (author's transl)] Chen ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):7–8 (Chi)
[Stress- and strain analyses of the titanium-net-cement-construction of total hip joint prosthesis by using a simplified finite-element-model (author's transl)] Kranz C, et al. **Biomed Tech (Berlin)** 1982 Jan–Feb;27(1–2):16–23 (Ger)
[Use of NiTi alloy in dentistry] Watanabe K, et al. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):249 (Jpn)

ADVERSE EFFECTS

Massive pulmonary deposition of rutile after titanium dioxide exposure: Light-microscopical and physico-analytical methods in pigment identification. Rode LE, et al. **Acta Pathol Microbiol Scand [A]** 1981 Nov;89(6):455–61
The influence of titanium surface treatments on the wear of medical grade polyethylene. Rostoker W, et al. **Biomaterials** 1981 Oct;2(4):221–4
Anesthesia following endodontic overfilling with AH26. Report of a case. Spielman A, et al. **Oral Surg** 1981 Nov;52(5):554–6

PHARMACODYNAMICS

Artificial lesion formation and fluoride uptake after TiF4 applications. Wefel JS. **Caries Res** 1982;16(1):26–33
[On the biological action of transition metal complexes. 4. The antiviral activity of metallocene dichlorides of titanium and molybdenum (author's transl)] Tonew E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):425–30 (Eng. Abstr.) (Ger)

THERAPEUTIC USE

Tumor inhibition by metallocenes: activity against leukemias and detection of the systemic effect. Köpf-Maier P, et al. **Eur J Cancer** 1981 Jun;17(6):665–9
Cytokinetic behavior of Ehrlich ascites tumor after in vivo treatment with cis-diamminedichloroplatinum(II) and metallocene dichlorides. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1981;102(1):21–30

TOXICITY

Effects of titanium dioxide pigments on mouse peritoneal macrophages in vivo. Nuuja IJ, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):208–15
[Metamorphosis of Hyla arborea and of Rana esculenta in conditions of environmental pollution: a biostatistical study] Bisio S, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1950–6 (Eng. Abstr.) (Ita)

TIXANTONE see **LUCANTHONE**

TN ELEMENTS see **DNA INSERTION ELEMENTS**

TNT see **TRINITROTOLUENE**

TOAD, ARGENTINE see **BUFO ARENARUM**

TOAD, COMMON see **BUFO BUFO**

TOAD, FIRE-BELLIED see **ANURA**

TOAD, GIANT see **BUFO MARINUS**

TOAD, MARINE see **BUFO MARINUS**

TOAD VENOMS see **AMPHIBIAN VENOMS**

TOADS AND FROGS see **ANURA**

TOADS, TRUE see **BUFONIDAE**

TOADSTOOLS see **MUSHROOMS**

TOBACCO

see related
NICOTINE
SMOKING

Cardiac and pulmonary anaphylaxis in guinea pigs and rabbits induced by glycoprotein isolated from tobacco leaves and cigarette smoke condensate. Levi R, et al. **Am J Pathol** 1982 Mar;106(3):318–25
Effect of cigarette smoke on human serum trypsin inhibitory capacity and antitrypsin concentration. Chowdhury P, et al. **Am Rev Respir Dis** 1982 Jul;126(1):177–9
Reduction of the elastase inhibitory capacity of alpha 1-antitrypsin by peroxides in cigarette smoke: an analysis of brands and filters. Cohen AB, et al. **Am Rev Respir Dis** 1982 Jul;126(1):25–30
Vascular effects of cigarette smoke in isolated pig lungs. Gilman MJ, et al. **Am Rev Respir Dis** 1981 Nov;124(5):549–53
Deposition of sidestream cigarette smoke in the human respiratory tract. Hiller FC, et al. **Am Rev Respir Dis** 1982 Apr;125(4):406–8
Myocardial morphology in rabbits exposed to various gas-phase constituents of tobacco smoke--an ultrastructural study. Hugod C. **Atherosclerosis** 1981 Oct;40(2):181–90
Stimulation of drug and carcinogen metabolism by prolonged oral tobacco consumption. Kaur S, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1595–7
Inhibition of human leucocyte elastase activity by cigarette smoke. Ejiofor A, et al. **Biosci Rep** 1981 Sep;1(9):715–20
Tobacco sponsorship of sport: think again [editorial] **Br Med J [Clin Res]** 1982 Feb 6;284(6313):365
Variation in response to cytotoxicity of cigarette smoke. Hopkin JM, et al. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1209–11
Nicotine intake by snuff users. Russell MA, et al. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):814–7
The determinants of tobacco use: cigarette smoking in the context of other forms of tobacco use. Kozlowski LT. **Can J Public Health** 1981 Nov–Dec;72(6):396–401
Cigarette smoking may yield nitroarenes. McCoy EC, et al. **Cancer Lett** 1982 Jan;15(1):9–13
Prevention and reversal by a retinoid of 3,4-benzpyrene-

and cigarette smoke condensate-induced hyperplasia and metaplasia of rodent respiratory epithelia in organ culture. Lasnitzki I, et al. **Cancer Treat Rep** 1982 Jun;66(6):1375–80

Testicular varicoceles and tobacco consumption. Ducot B, et al. **Fertil Steril** 1981 Nov;36(5):686–7

Cytogenetic effects of cigarette smoke condensates in vitro and in vivo. Madle S, et al. **Hum Genet** 1981;59(4):349–52

Tobacco amblyopia and its relationship to B12 deficiency. Satapathy M, et al. **Indian J Ophthalmol** 1981 Dec; 29(4):479–80

Functional and metabolic properties of alveolar macrophages in response to the gas phase of tobacco smoke. Drath DB, et al. **Infect Immun** 1981 Oct;34(1):11–5

In vitro effect of tobacco on the growth of oral cariogenic streptococci. Lindemeyer RG, et al. **J Am Dent Assoc** 1981 Nov;103(5):719–22

Snuff-induced lesions of the oral mucosa – an experimental model in the rat. Hirsch JM, et al. **J Oral Pathol** 1981 Oct;10(5):342–53

Oral carcinomas associated with snuff dipping. Some clinical and histological characteristics of 23 tumours in Swedish males. Sundström B, et al. **J Oral Pathol** 1982 Jun; 11(3):245–51

Staining of composite resins by cigarette smoke. Raptis CN, et al. **J Oral Rehabil** 1982 Jul;9(4):367–71

A survey of pathological changes associated with long-term high tar tobacco smoke exposure in a murine model. Keast D, et al. **J Pathol** 1981 Dec;135(4):249–57

Tobacco use and oral health. Seffrin JR, et al. **J Sch Health** 1982 Jan;52(1):59–62

Bioassay of a cigarette smoke fraction. I. Examination of dose–response relations and dilution bioassay assumptions in a ciliostasis system. Donnelly GM, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):405–17

Bioassay of a cigarette smoke fraction, II. Experimental design and potency estimations. Donnelly GM, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):419–44

Snuff gives heart rate, blood pressure a kick [news] Gunby P. **JAMA** 1982 Feb 19;247(7):947

Tobacco, alcohol, asbestos, and nickel in the etiology of cancer of the larynx: a case-control study. Burch JD, et al. **JNCI** 1981 Dec;67(6):1219–24

Enhancement of skin tumorigenesis by cigarette smoke condensate following beta-irradiation in rats. McGregor JF. **JNCI** 1982 Apr;68(4):605–11

Smoking and chewing habits of people of Karachi—1981. Mahmood Z. **JPMA** 1982 Feb;32(2):34–7

Nicotine, a prescribable drug available without prescription [letter] Kozlowski LT, et al. **Lancet** 1982 Feb 6;1(8267):334

Mutagenicity testing, in bacterial test systems, of some constituents of tobacco. Riebe M, et al. **Mutat Res** 1982 Mar;101(1):39–43

Radioactivity in cigarette smoke [letter] **N Engl J Med** 1982 Jul 29;307(5):309–13

Radioactivity in cigarette smoking [letter] Winters TH, et al. **N Engl J Med** 1982 Feb 11;306(6):364–5

The origin of manganese in cigarette smoke and ash. Blum JK, et al. **Naturwissenschaften** 1982 Feb;69(2):93–4

Adolescent cigarette smoking and tobacco chewing in Nebraska. Newman IM, et al. **Nebr Med J** 1981 Oct; 66(10):243–4

Optical and ultrastructural pathology of vitamin A pretreated hamster cheek pouch—exposed to lime (Ca(OH)2) and tobacco over total life span. Kandarkar SV, et al. **Neoplasma** 1981;28(6):729–37

The effect of cigarette smoke on the metabolism of arachidonic acid in isolated hamster lungs. Männistö J, et al. **Prostaglandins** 1981 Aug;22(2):195–204

The metabolism of arachidonic acid in isolated rat lungs is not changed during cigarette smoke ventilation. Männistö J, et al. **Prostaglandins Leukotrienes Med** 1982 Jan;8(1):23–6

Response to the central and peripheral airways to cigarette smoking in human and rats. Melville GN, et al. **Respiration** 1982;43(1):29–34

Cigarette smoke contains anticoagulants against fibrin aggregation and factor XIIIa in plasma. Galanakis DK, et al. **Science** 1982 Aug 13;217(4560):642–5

Smoke stain accumulation on restorative dental materials and hard tooth tissues after polishing with prophylaxis pastes. Roulet-Mehrens T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):487–96

Effect of tobacco smoke exposure on rat tracheal submucosal glands: an ultrastructural study. Lewis DJ, et al. **Thorax** 1981 Aug;36(8):622–4

Influence of pretreatment with tobacco smoke condensate or 3-methylcholanthrene on [14C] benzo (a) pyrene metabolism in the isolated perfused rabbit lung. Lubawy WC, et al. **Toxicol Lett** 1980 Dec;7(2):153–9

The tumourigenicity of smoke condensates from cigarettes containing different amounts of cytrel, as assessed by mouse skin painting. Coggins CR, et al. **Toxicology** 1982; 23(2–3):177–85

Effects of tobacco smoke compounds on the ciliary activity of the embryo chicken trachea in vitro. Pettersson B, et al. **Toxicology** 1982;23(1):41–55

[The effects of cigarette smoke condensates on the frequency of sister chromatid exchange in isolated human peripheral lymphocytes (author's transl)] Cai YY. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):684–6 (Eng. Abstr.) **(Chi)**

[The effect of cigarette-smoke condensates on frequency of sister chromatid exchange (SCE) in human lymphocytes in vitro (author's transl)] Lin Z. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Sep;15(5):284–6 **(Chi)**

[Action of ethylene oxide upon tobacco (Nicotiana tabacum L.): absorption and combinations (author's transl)] Chaigneau M, et al. **Ann Pharm Fr** 1981;39(4):305–11 (Eng. Abstr.) **(Fre)**

[Industrial hygiene problems in cultivating tobacco seedlings on modern tobacco farms] Ostrofets GV, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):31–3 (Eng. Abstr.) **(Rus)**

[Arterial hypertension distribution among tobacco industry workers] Tataradze RA. **Gig Tr Prof Zabol** 1982 Jan; (1):46–8 **(Rus)**

ANALYSIS

Effect of cigarette tar content and smoking habits on respiratory symptoms in women. Schenker MB, et al. **Am Rev Respir Dis** 1982 Jun;125(6):684–90

A method for the two-dimensional electrophoresis of leaf proteins. Hari V. **Anal Biochem** 1981 May 15;113(2):332–5

Carcinogenic tobacco-specific N-nitrosamines in snuff and in the saliva of snuff dippers. Hoffmann D, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4305–8

Further fractionation and co-promoting activity of the large molecular weight components of aqueous tobacco extracts. Bock FG, et al. **Carcinogenesis** 1980 Apr;1(4):317–21

Assessment of the carcinogenic N-nitrosodiethanolamine in tobacco products and tobacco smoke. Brunnemann KD, et al. **Carcinogenesis** 1981;2(11):1123–7

Detection of nitrosamines in a commonly used chewing tobacco. Bhide SV, et al. **Food Cosmet Toxicol** 1981 Aug; 19(4):481–3

Changes in the tar, nicotine and carbon monoxide yields of cigarettes sold in the United Kingdom. Fairweather FA, et al. **Health Bull (Edinb)** 1981 Nov;39(6):367–76

ENZYMOLOGY

Heterogeneous chromatographic behaviour or soluble RNA replicase from healthy and virus-infected tobacco leaves: an improvement of the purification methodology. Sommer P, et al. **J Virol Methods** 1981 Nov;3(4):229–39

GENETICS

Genetic analysis of quantitative characters in cigar and pipe tobacco Nicotiana tabacum II. Grades of cigar filler tobacco. Ogilvie IS, et al. **Can J Genet Cytol** 1981; 23(4):585–90

The complete nucleotide sequence of a 23-S rRNA gene from tobacco chloroplasts. Takaiwa F, et al. **Eur J Biochem** 1982 May;124(1):13–9

The complete nucleotide sequence of 16S ribosomal RNA gene from tobacco chloroplasts. Tohdoh N, et al. **Gene** 1982 Feb;17(2):213–8

Chinese hamster ovary chromosomes and antigens in tobacco/hamster heterokaryons. Mastrangelo IA, et al. **J Hered** 1981 Mar–Apr;72(2):81–6

IMMUNOLOGY

The immunologic response to tobacco antigens in smokers. V. Plasma concentrations of immunoglobulin and some complement components in tobacco hypersensitive patients suffering from coronary artery disease. Romański B, et al. **Allergol Immunopathol (Madr)** 1981 Nov–Dec;9(6):487–94

Hypersensitivity to tobacco glycoprotein in human peripheral vascular disease [letter] Sulzberger MB. **Ann Allergy** 1981 Dec;47(6):476

Tobacco, cocoa, coffee, and ragweed: cross-reacting allergens that activate factor-XII-dependent pathways. Becker CG, et al. **Blood** 1981 Nov;58(5):861–7

[Effect of tobacco on the immune system. I. Production of the cell migration inhibition factor in the presence of tobacco extract as an antigen in smokers and non-smokers] Bernal-Madrazo MA, et al. **Gac Med Mex** 1981 Oct; 117(10):412–4 **(Spa)**

MICROBIOLOGY

Effect of morphogenesis on the infectivity of tissue. Mishra MD, et al. **Acta Microbiol Pol** 1981;30(3):273–81

The fine structure of Cymbidium ringspot virus in host tissues. I. Electron microscopy of systemic infections. Martelli GP, et al. **J Ultrastruct Res** 1981 Oct;77(1):93–104

TOBACCO DEPENDENCE see **TOBACCO USE DISORDER**

TOBACCO MOSAIC VIRUS

Tobacco mosaic virus protein induces fusion of liposome membranes. Banerjee S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):360–4

Efficient translation of the coat protein cistron of tobacco mosaic virus in a cell-free system from Escherichia coli. Glover JF, et al. **Eur J Biochem** 1982 Mar 1;122(3):485–92

Portraits of viruses: tobacco mosaic virus. Fraenkel-Conrat H. **Intervirology** 1981;15(4):177–89

Superpotency and superaffinity phenomena in the stimulation of steroidogenesis in adrenocortical cells by adrenocorticotropin-tobacco mosaic virus conjugates. Kriwaczek VM, et al. **Mol Cell Biochem** 1981 Oct 9; 40(1):49–59

ANALYSIS

Structural studies of tobacco mosaic virus and its components by laser Raman spectroscopy. Fish SR, et al. **Biochemistry** 1981 Dec 22;20(26):7449–57

Scanning calorimetric investigation of the polymerization of the coat protein of tobacco mosaic virus. Sturtevant JM, et al. **Biochemistry** 1981 Jun 23;20(13):3792–800

Magic angle spinning carbon-13 NMR of tobacco mosaic virus. An application of the high-resolution solid-state NMR spectroscopy to very large biological systems. Hemminga MA, et al. **Biophys J** 1981 Aug;35(2):463–70

Nucleotide sequence and its character of cistron coding for the 30 K protein of tobacco mosaic virus (OM strain). Meshi T, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1441–4

Structures of the helical aggregates of tobacco mosaic virus protein. Mandelkow E, et al. **J Mol Biol** 1981 Oct 25; 152(2):375–86

Structure of the RNA in tobacco mosaic virus. Stubbs G, et al. **J Mol Biol** 1981 Oct 25;152(2):387–96

DRUG EFFECTS

Sensitivity to ultraviolet light of tobacco mosaic virus modified by cetyltrimethylammonium bromide. Abe T, et al. **Microbiol Immunol** 1981;25(11):1129–38

Multiplication of tobacco mosaic virus in tobacco leaf disks is inhibited by (2'-5) oligoadenylate. Devash Y, et al. **Science** 1982 Jun 25;216(4553):1415–6

[Effects of high molecular weight polycation and polyanion in the mechanical inoculation of tobacco mosaic virus (author's transl)] Kajita S, et al. **Uirusu** 1981 Jun;31(1):33–9 (Eng. Abstr.) **(Jpn)**

[Antiviral effect of 9-methylstreptimidone in plants (author's transl)] Shimomura T, et al. **Uirusu** 1980 Dec;30(2):111–8 (Eng. Abstr.) **(Jpn)**

[Effect of aurintricarboxylic acid on the synthesis of virus-specific subgenome RNA in the tobacco mosaic virus] Miroshnichenko NA, et al. **Biol Nauki** 1981;(10):23–7 **(Rus)**

[Comparative study of the action of Candida tropicalis K-41 polysaccharides on the infectivity of the tobacco mosaic virus and its RNA] Kovalenko AG, et al. **Mikrobiol Zh** 1981 Sep–Oct;43(5):633–9 (Eng. Abstr.) **(Rus)**

[Nature of the action of Candida tropicalis K-41 mannan on tobacco mosaic virus infectivity] Kovalenko AG, et al. **Mikrobiol Zh** 1981 Sep–Oct;43(5):627–32 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Kinetic properties of peroxidase from intact and virus-infected tobacco leaves] Voronova VA, et al. **Biokhimiia** 1981 Oct;46(10):1768–72 (Eng. Abstr.) **(Rus)**

GENETICS

Tobacco mosaic virus induces the synthesis of a family of 3' coterminal messenger RNAs and their complements. Goelet P, et al. **J Mol Biol** 1982 Jan 25;154(3):541–50

Detection of periodic patterns in RNA sequences: the first encapsidated region of the TMV RNA. Aruja A, et al. **J Theor Biol** 1982 Jan 21;94(2):457–70

Nucleotide sequence of a cloned cDNA copy of TMV (cowpea strain) RNA, including the assembly origin, the coat protein cistron, and the 3' non-coding region. Meshi T, et al. **MGG** 1981;184(1):20–5

A proteinless mutant of tobacco mosaic virus: evidence against the role of a viral coat protein for interference. Sarkar S, et al. **MGG** 1981;184(1):158–9

[Location of the reconstitution initiation sites of TMV Ni2519 RNA] Kaplan IB, et al. **Mol Biol (Mosk)** 1982 Jan–Feb; 16(1):160–9 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Effect of morphogenesis on the infectivity of tissue. Mishra MD, et al. **Acta Microbiol Pol** 1981;30(3):273–81

IMMUNOLOGY

Localization of antigenic determinants of a viral protein by inhibition of enzyme-linked immunosorbent assay (ELISA) with tryptic peptides. Altschuh D, et al. **J Immunol Methods** 1982;50(1):99–108

Ultrastructure of bean leaf beetle (Ceratoma trifurcata) hemocytes and their phagocytic activities on tobacco mosaic virus, a non-beetle-transmitted virus. Kim KS. **J Ultrastruct Res** 1981 Jun;75(3):300–13

METABOLISM

Tobacco mosaic virus as a carrier for small molecules: artificial receptor antibodies and superhormones. Schwyzer R, et al. **Biopolymers** 1981 Sep;20(9):2011–20

Reconstitution of rods from tobacco mosaic virus protein and RNA modified with bulky carcinogens. Fraenkel-Conrat H, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2541–3

ULTRASTRUCTURE

Sequence specificity of trinucleoside diphosphate binding to

polymerized tobacco mosaic virus protein. Steckert JJ, et al. **Nature** 1982 Sep 2;299(5878):32–6

TOBACCO SMOKE POLLUTION

Deposition of sidestream cigarette smoke in the human respiratory tract. Hiller FC, et al. **Am Rev Respir Dis** 1982 Apr;125(4):406–8

Contractile performance of rat myocardium after chronic tobacco smoke inhalation. Brooks WW, et al. **Arch Environ Health** 1982 Mar–Apr;37(2):93–7

Failure of chronic cigarette smoke exposure to alter plasma lipoproteins of stumptailed macaques (Macaca arctoides). Raymond TL, et al. **Atherosclerosis** 1982 Jan;41(1):27–33

Non-smoking wives of heavy smokers have a higher risk of lung cancer [letter] **Br Med J [Clin Res]** 1981 Oct 3; 283(6296):914–7

Non-smoking wives of heavy smokers have a higher risk of lung cancer [letter] **Br Med J [Clin Res]** 1981 Nov 28; 283(6304):1464–6

Parental smoking at home and height of children. Rona RJ, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1363

Wheezing, asthma, and pulmonary dysfunction 10 years after infection with respiratory syncytial virus in infancy. Younes RP. **Br Med J [Clin Res]** 1982 Sep 11;285(6343):734

Involuntary smoking. Shephard RJ. **Can J Public Health** 1981 Nov–Dec;72(6):394–6

Passive smoking. Effects on bronchial asthma. Dahms TE, et al. **Chest** 1981 Nov;80(5):530–4

Passive smoking. Lee PN. **Food Chem Toxicol** 1982 Apr; 20(2):223–9

Parental smoking and lower respiratory illness in the first three years of life. Fergusson DM, et al. **J Epidemiol Community Health** 1981 Sep;35(3):180–4

Smoking and the workplace: tobacco smoke health hazards to the involuntary smoker. Kent DC, et al. **JOM** 1982 Jun; 24(6):469–72

Passive smoking: forest, gasp, and facts [editorial] **Lancet** 1982 Mar 6;1(8271):548–9

Cotinine in amniotic fluids from passive smokers [letter] Andresen BD, et al. **Lancet** 1982 Apr 3;1(8275):791–2

Wheezy bronchitis in infants and parents' smoking habits [letter] Liard R, et al. **Lancet** 1982 Feb 6;1(8267):334–5

Passive smoking severely decreases platelet sensitivity to antiaggregatory prostaglandins [letter] Sinzinger H, et al. **Lancet** 1982 Aug 14;2(8294):392–3

Tertiary smoking by the fetus [letter] Smith N, et al. **Lancet** 1982 May 29;1(8283):1252–3

Passive smoking and nicotine [letter] Stock SL. **Lancet** 1981 Nov 7;2(8254):1044

Passive smoking and lung cancer [letter] Stock SL. **Lancet** 1982 May 1;1(8279):1014–5

Nonsmokers and cigarette smoke: a modified perception of risk [letter] Bock FG. **Science** 1982 Jan 8;215(4529):197

Aspects of the immunotoxicity of chronic tobacco smoke exposure of the rat. Gregson RL, et al. **Toxicology** 1981; 22(1):23–31

[Epidemiology of passive smoking of children from 0 to 6 years (author's transl)] Dutau G, et al. **Arch Fr Pediatr** 1981 Nov;38(9):721–5 (Eng. Abstr.) **(Fre)**

[Passive smoking--a risk for health?] Weber A. **Dtsch Med Wochenschr** 1982 Mar 5;107(9):323–5 **(Ger)**

[Sick by passive smoking?] Lehnert G. **MMW** 1981 Oct 2; 123(40):1485–8 **(Ger)**

[Passive smoking (editorial)] Bogard H, et al. **Harefuah** 1981 Apr 1;100(7):345–7 **(Heb)**

ANALYSIS

[Passive smoking, air quality, measures to be taken] Weber A. **Soz Praventivmed** 1981 Jul;26(3):182–4 **(Ger)**

[Analysis of tobacco smoke exposure through the evaluation of biochemical and hematological indicators] Gilli G, et al. **Minerva Med** 1982 Sep 22;73(36):2369–75 **(Ita)**

PREVENTION & CONTROL

Is smoker/nonsmoker segregation effective in reducing passive inhalation among nonsmokers? Olshansky SJ. **Am J Public Health** 1982 Jul;72(7):737–9

The problem of passive smoking. Repace JL. **Bull NY Acad Med** 1981 Dec;57(10):936–46

[Important new findings on passive smoking] Schmidt F. **Off Gesundheitswes** 1982 Feb;44(2):130–2 **(Ger)**

TOBACCO USE DISORDER

Some physiological consequences of the rapid smoking treatment for cigarette addiction. Linberg SE, et al. **Arch Environ Health** 1982 Mar–Apr;37(2):88–92

New knowledge about nicotine effects [news] Check WA. **JAMA** 1982 May 7;247(17):2333, 2337–8

Human dependence on tobacco and opioids: common factors. Henningfield JE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981 Jul;(37):210–34 (121 ref.)

BLOOD

Plasma nicotine levels in pipe smokers. McCusker K, et al. **JAMA** 1982 Aug 6;248(5):577–8

COMPLICATIONS

Effect on oral leukoplakia of reducing or ceasing tobacco smoking. Roed-Petersen B. **Acta Derm Venereol (Stockh)** 1982;62(2):164–7

Cigarette smoking and secondary polycythemia in hypoxic cor pulmonale. Calverley PM, et al. **Am Rev Respir Dis** 1982 May;125(5):507–10

Synergetic effects of cigarette smoking, systolic blood pressure, and psychosocial risk factors for lung cancer, cardiac infarct and apoplexy cerebri. Grossarth-Maticek R. **Psychother Psychosom** 1980;34(4):267–72

[The relationship between smoking and lung cancer---analysis of clinical data (author's transl)] Huang GJ. **Chung Hua I Hsueh Tsa Chih** 1981 Oct;61(10):636–7 **(Chi)**

[Role of smoking in the occurrence of ischemic heart disease] Neverov IV, et al. **Sov Med** 1981;(10):60–4 (52 ref.) **(Rus)**

ENZYMOLOGY

Sensitivity of human placental monooxygenase activity to maternal smoking. Manchester DK, et al. **Clin Pharmacol Ther** 1981 Nov;30(5):687–92

ETIOLOGY

Physiological predisposition toward becoming a cigarette smoker: experimental evidence for a sex difference. Silverstein B, et al. **Addict Behav** 1982;7(1):83–6

Human smoking behavior and the development of dependence on tobacco smoking. Stepney R. **Pharmacol Ther** 1981;15(2):183–206 (133 ref.)

METABOLISM

Aging, cigarette smoking and oral theophylline requirement. Talseth T, et al. **Eur J Clin Pharmacol** 1981;21(1):33–7

Nitrate reductase activity and nitrite levels in the saliva of habitual users of various tobacco products. Murdia US, et al. **Food Chem Toxicol** 1982 Jun;20(3):269–71

MORTALITY

Economic aspects of smoking in South Africa. Yach D. **S Afr Med J** 1982 Jul 31;62(6):167–70

OCCURRENCE

Adult tobacco use in Nebraska. Newman IM, et al. **Nebr Med J** 1982 Jan;67(1):7–8

PHYSIOPATHOLOGY

Application of some physical indicators of cigarette smoking. Kozlowski LT. **Addict Behav** 1981;6(3):213–9

Subclinical neuropathy associated with chronic obstructive pulmonary disease: possible pathophysiologic role of smoking. Faden A, et al. **Arch Neurol** 1981 Oct; 38(10):639–42

PREVENTION & CONTROL

Plasma nicotine levels produced by chewing nicotine gum. MNcNabb ME, et al. **JAMA** 1982 Aug 20;248(7):865–8

PSYCHOLOGY

Self-change and therapy change of smoking behavior: a comparison of processes of change in cessation and maintenance. DiClemente CC, et al. **Addict Behav** 1982; 7(2):133–42

Underlying mechanisms in substance abuse: examples from research on smoking. Pomerleau OF. **Addict Behav** 1981; 6(3):187–96 (80 ref.)

Cigarette smoking, nicotine addiction, and relaxation. Silverstein B. **J Pers Soc Psychol** 1982 May;42(5):946–50

[Comparison of the behavior characteristics of men smokers and nonsmokers] Goshtautas AA, et al. **Kardiologiia** 1981 Sep;21(9):100–2 (Eng. Abstr.) **(Rus)**

REHABILITATION

The impact of routine advice on smoking cessation from family physicians. Stewart PJ, et al. **Can Med Assoc J** 1982 May 1;126(9):1051–4

THERAPY

Self-administered programs for health behavior change: smoking cessation and weight reduction by mail. Jeffery RW, et al. **Addict Behav** 1982;7(1):57–63

Inexpensive methods for recruiting subjects to smoking cessation programs. Lando HA. **Addict Behav** 1982; 7(1):79–81

Three-year data on a behavioral treatment for smoking: a follow-up note. Lando HA, et al. **Addict Behav** 1982; 7(2):177–81

A factorial analysis of preparation, aversion, and maintenance in the elimination of smoking. Lando HA. **Addict Behav** 1982;7(2):143–54

Smoking reduction: a comparison of the effectiveness of rapid smoking and increasing delay training. Newman A, et al. **Addict Behav** 1982;7(1):93–6

Smoking cessation with adolescents: a comparison of recruitment strategies. Peltier B, et al. **Addict Behav** 1982; 7(1):71–3

Nutritional support of central catecholaminergic tone may aid smoking withdrawal. McCarty MF. **Med Hypotheses** 1982 Jan;8(1):95–102

Effects of graduated external filters on smoking cessation. Hymowitz N, et al. **Prev Med** 1982 Jan;11(1):85–95

Relationship of psychosocial factors to smoking behavior change in an intervention program. Ockene JK, et al. **Prev Med** 1982 Jan;11(1):13–28

Compliance with physician advice to quit smoking: a review of the literature. Pederson LL. **Prev Med** 1982 Jan; 11(1):71–84

TOBRAMYCIN see under **ANTIBIOTICS**

TOCINAMIDE see under **OXYTOCIN**

TOCINOIC ACID see under **OXYTOCIN**

TOCOPHEROL see **VITAMIN E**

TODRALAZINE see under **HYDRAZINES**

TOE JOINT

Morton's metatarsalgia due to intermetatarsophalangeal bursitis as an early manifestation of rheumatoid arthritis. Awerbuch MS, et al. **Clin Orthop** 1982 Jul;(167):214–21

Chronic and recurrent dislocations of the fifth toe. Jahss MH. **Foot Ankle** 1981 Mar;1(5):275–8

Arthrodesis of the first metatarsophalangeal joint. Mann RA, et al. **Foot Ankle** 1980 Nov;1(3):159–66

An unusual cause of Morton's syndrome--a synovial sarcoma: report of a case. Ueo T, et al. **J Foot Surg** 1979 Spring;18(1):23–5

Case report 195: inflammatory synovitis due to familial Mediterranean fever (FMF) of left third metatarso-phalangeal joint. Yagil Y, et al. **Skeletal Radiol** 1982;8(2):157–9

[Treatment of diabetic osteoarthropathy] Skripnichenko DF, et al. **Klin Khir** 1981 Dec;(12):9–11 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Peg and dowel fusion of the proximal interphalangeal joint. Alvine FG, et al. **Foot Ankle** 1980 Sep;1(2):90–4

Congenital metatarsus adductus: clinical evaluation and treatment. Galluzzo AJ, et al. **J Foot Surg** 1979 Spring; 18(1):16–22

ANATOMY & HISTOLOGY

The first metatarso-sesamoid joint. Rosenbaum de Britto S. **Int Orthop** 1982;6(1):61–7

Relative metatarsal length patterns in hallux abducto valgus. Duke H, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):1–5

INJURIES

Traumatic dislocations of the first metatarsophalangeal joint. Jahss MH. **Foot Ankle** 1980 Jul;1(1):15–21

Isolated dorsal dislocation of the second metatarsophalangeal joint. Murphy JL. **Foot Ankle** 1980 Jul;1(1):30–2

[Sesamoid bone dislocations of the 1st metatarsophalangeal joint] Prokop'ev NIa. **Ortop Travmatol Protez** 1981 Jul; (7):46–7 **(Rus)**

[Traumatic dislocation of the metatarsophalangeal joints (author's transl)] Maar D. **Acta Chir Orthop Traumatol Cech** 1981 Oct;48(5):466–7 (Eng. Abstr.) **(Slo)**

METABOLISM

Aspiration of the asymptomatic metatarsophalangeal joint in gout patients and hyperuricemic controls. Rouault T, et al. **Arthritis Rheum** 1982 Feb;25(2):209–12

RADIOGRAPHY

Degenerative joint disease with osteochondrosis of the proximal interphalangeal joint in young horses. Trotter GW, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1312–8

Calcinosis localisata: report of a case. Knecht JG. **J Foot Surg** 1981 Summer;20(2):98–101

Extraskeletal calcified synoviobursitis. Weiss RF. **J Foot Surg** 1981 Winter;20(4):222–3

Radiologic comparison of erosive polyarthritides with prominent interphalangeal involvement. Gold RH, et al. **Skeletal Radiol** 1982;8(2):89–97

SURGERY

Arthrodesis of the interphalangeal joint of the great toe--an improved technique. Shives TC, et al. **Foot Ankle** 1980 Jul;1(1):26–9

Hallux interphalangeal arthrodesis. Langford JH, et al. **J Am Podiatry Assoc** 1982 Mar;72(3):155–7

Surgical management of tophaceous gout: a literature review and case report. Martin SM, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):195–9

Comparison of two surgical procedures for arthrodesis of the proximal interphalangeal joint in horses. Genetzky RM, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):464–8

A clinical evaluation of the total first metatarsophalangeal joint prosthesis: the use of footprints in assessing foot contact. Arenson DJ, et al. **J Foot Surg** 1981 Fall; 20(3):117–23

Surgical correction of metatarsophalangeal joint dislocation and arthritic deformity: the partial head and plantar condylectomy. Buxbaum FD. **J Foot Surg** 1979 Spring;

18(1):36–40
Acute gouty arthritis in a first metatarsophalangeal joint replaced with a flexible-hinge implant: a case report. Dabdoub WH, et al. **J Foot Surg** 1981 Fall;20(3):167–9
Alternative approaches to replacement of lesser metatarsal heads. Freed JB. **J Foot Surg** 1979 Spring;18(1):26–30
Complications of Keller bunionectomy and Keller with Swanson hemi-implant. Girlando J, et al. **J Foot Surg** 1981 Fall;20(3):148–50
Interphalangeal joint hallux ossicle resection: a simplified approach. Gosselin RE, et al. **J Foot Surg** 1982 Summer; 21(2):132–5
Interpositional sphere implant in the fifth metatarsophalangeal joint. Petrich RJ, et al. **J Foot Surg** 1981 Summer;20(2):93–4
Nicolle finger joint prosthesis: a preliminary study of total joint replacement for lesser metatarsophalangeal joints. Tintocalis CA. **J Foot Surg** 1982 Spring;21(1):57–60
[Hallux rigidus treated by dorsal-wedge osteotomy] Hellberg S, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):552–3 (Eng. Abstr.) **(Dan)**
[The surgical management of the forefoot in rheumatoid arthritis. A review of 150 cases (author's transl)] Denis A, et al. **Rev Chir Orthop** 1981;67(8):747–52 (Eng. Abstr.) **(Fre)**
[Arthrodesis of the metatarsophalangeal joint of the big toe – a report on six years' experience (author's transl)] Freiherr von Salis-Soglio G. **Z Orthop** 1982 May-Jun;120(3):280–2 (Eng. Abstr.) **(Ger)**
[Management of metatarsalgia in rheumatoid arthritis by resection arthroplasty of the forefoot] Gáspárdy G. **Orv Hetil** 1982 Jan 3;123(1):31–4 **(Hun)**

TRANSPLANTATION

Experimental vascularized total joint autografts—a primate study. Tsai TM, et al. **J Hand Surg** 1982 Mar;7(2):140–6

TOES

Congenital ingrown toenails: clinical significance. Honig PJ, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):424–6
Melanoma of the foot: a case report. Sebastian K, et al. **J Am Podiatry Assoc** 1982 Jun;72(6):324–5
Squamous cell carcinoma as a complication of chronic osteomyelitis. Cappello JC, et al. **J Foot Surg** 1981 Fall; 20(3):136–41
Benign myxomas of the digits: a surgically resistant neoplasm. Sugar MH. **J Foot Surg** 1981 Summer;20(2):67–9
Metastatic squamous cell carcinoma of the skin. Lazarus HM, et al. **J Natl Med Assoc** 1980 Dec;72(12):1196–9
Chick 'crooked-toe' syndrome induced by polar lipid in synovial fluids from some rheumatoid arthritis patients. Diener TO, et al. **J Rheumatol** 1982 Mar-Apr;9(2):172–82
Acroosteolysis of Phalanx III in Danish Landrace pigs. A radiological and histological study. Arnbjerg J, et al. **Nord Vet Med** 1981 Apr-May;33(4–5):199–205
'Purple toes' syndrome. Lebsack CS, et al. **Postgrad Med** 1982 May;71(5):81–4
The Mortons' toes. Cimmino CV. **Va Med** 1982 May; 109(5):333–4

ABNORMALITIES

Macrodactyly in the foot. Sanchez AJ, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):442–4
Bardet-Biedl syndrome and related disorders. Schachat AP, et al. **Arch Ophthalmol** 1982 Feb;100(2):285–8
An Indian family with postaxial polydactyly in four generations. Kucheria K, et al. **Clin Genet** 1981 Jul; 20(1):36–9
Triphalangeal thumbs-ectrodactyly in a sporadic case. Majewski F, et al. **Clin Genet** 1981 Oct;20(4):310–4
Varus fifth toe. Morris EW, et al. **J Bone Joint Surg [Br]** 1982;64(1):99–100
Congenital polydactyly and polymet[illegible] classification, genetics, and surgical correction. [illegible]en JC, et al. **J Foot Surg** 1981 Fall;20(3):151–8
Practical approach to a rare deformity: macrodactyly. Figura MA. **J Foot Surg** 1980 Summer;19(2):52–4
Surgical criteria for correcting the overlapping fifth toe. Weber RB. **J Foot Surg** 1982 Spring;21(1):30–6
Ectrodactyly, cleft lip and palate in two half sibs. Lewis MB, et al. **J Med Genet** 1981 Oct;18(5):394–6
Familial congenital amputations. Etches PC, et al. **J Pediatr** 1982 Sep;101(3):448–9
Two cases of congenital hypothalamic hamartoblastoma, polydactyly, and other congenital anomalies (Pallister-Hall syndrome) [letter] Huff DS, et al. **N Engl J Med** 1982 Feb 18;306(7):430–1
Lethal short-rib polydactyly syndrome of the Majewski type: a report of three cases. Cooper CP, et al. **Radiology** 1982 Aug;144(3):513–7
[An unusual aglossia-adactylia syndrome (author's transl)] Deffez JP, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):241–6 (Eng. Abstr.) **(Fre)**
[Echodactyly syndrome, ectodermic dysplasia, facial cleft, and EEC syndrome : report on 12 cases (author's transl)] Psaume J, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):226–9 (Eng. Abstr.) **(Fre)**
[Trichorhinophalangeal syndrome : analysis of craniofacial architecture in six cases (author's transl)] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1981;82(4):230–3 (Eng. Abstr.) **(Fre)**
[The EEC or Rüdinger syndrome. Presentation of a case and orthopedic treatment] Frediani P, et al. **Chir Organi Mov** 1981;66(5):431–8 **(Ita)**
[Hereditary brachydactyly with nail aplasia] Santos HG, et al. **Acta Med Port** 1981 Mar-Apr;3(2):147–60 **(Por)**
[Holt syndrome: an autosomal dominant, heterogeneous, acral malformation] Hernández Téllez A, et al. **Bol Med Hosp Infant Mex** 1982 Feb;39(2):131–3 **(Spa)**

ANATOMY & HISTOLOGY

[The digital formula of the foot in school children] Grbić S, et al. **Med Pregl** 1981;34(3–4):131–6 (Eng. Abstr.) **(Scr)**

BLOOD SUPPLY

Measurement of blood pressure in all toes in arterial occlusive disease of the leg. Hirai M, et al. **Angiology** 1982 Jun; 33(6):418–26
Occlusion of the digital arteries — A model for pathogenesis of navicular disease. Fricker C, et al. **Equine Vet J** 1982 Jul;14(3):203–7
Experience with the Blue Toe Syndrome. Moore DJ, et al. **Ir Med J** 1982 Feb;75(2):46–8
Limb salvage following digital amputation. Shanik DG, et al. **Ir Med J** 1982 Feb;75(2):52–3
Blue toe syndrome. Bentivegna S, et al. **J Am Podiatry Assoc** 1982 Sep;72(9):467–8
Toe pulse study in ischemic arterial disease of the legs. Gutierrez IZ, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):889–92
[Changes in peripheral vessel reflex activity in patients with onychomycosis (author's transl)] Figar S, et al. **Cesk Dermatol** 1981 Oct;56(5):288–96 (Eng. Abstr.) **(Cze)**
[Blue toe syndrome in a patient with essential thrombocythemia. Favorable response to plateletpheresis (author's transl)] González L, et al. **Med Clin (Barc)** 1982 Jul 1-31;79(3):133–6 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

[Experimental contribution to the formation of digital flexion creases] Wachtler F, et al. **Acta Anat (Basel)** 1981; 110(2):103–7 (Eng. Abstr.) **(Ger)**

INJURIES

Stress fractures of the great toe sesamoids. Van Hal ME, et al. **Am J Sports Med** 1982 Mar-Apr;10(2):122–8
Treatment of middle phalangeal fractures in the horse. Colahan PT, et al. **J Am Vet Med Assoc** 1981 Jun 1; 178(11):1182–5

INNERVATION

Digital nerves. A qualitative and quantitative ultrastructural study in man. Jimeno E, et al. **Acta Orthop Belg** 1981 May-Jun;47(3):351–9
Vascular peculiarities of digital nerves in man. Villas C, et al. **Acta Orthop Belg** 1981 May-Jun;47(3):360–6
Effects of early peripheral lesions on the somatotopic organization of the cerebral cortex. Carson LV, et al. **Clin Neurosurg** 1981;28:532–46
Axonal refractory period of single short toe extensor motor units in neuropathies and neuromuscular diseases. Borg J. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1136–40
The anterior border zones of primary somatic sensory (S1) neocortex and their relation to cerebral convolutions, shown by micromapping of peripheral projections to the region of the fourth forepaw digit representation in raccoons. Johnson JI, et al. **Neuroscience** 1982 Apr; 7(4):915–36
[Sensory innervation of the palmar and plantar digital cushions of the rat and guinea pig] Panu R, et al. **Arch Ital Anat Embriol** 1980;85(4):363–72 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Amputating gangrene in Kawasaki disease. Teixeira OH, et al. **Can Med Assoc J** 1982 Jul 15;127(2):132–4
[Strangler hair or the toe tourniquet syndrome] Berard J. **Pediatrie** 1981 Oct-Nov;36(7):539–42 (Eng. Abstr.) **(Fre)**
[What is your diagnosis? Gout] Wessinghage D. **Med Klin [Prax]** 1982 Jan 15;77(2):42, 69 **(Ger)**

PHYSIOLOGY

Functional reorganization of adult raccoon somatosensory cerebral cortex following neonatal digit amputation. Kelahan AM, et al. **Brain Res** 1981 Oct 26;223(1):152–9
Mice regrow the tips of their foretoes. Borgens RB. **Science** 1982 Aug 20;217(4561):747–50

PHYSIOPATHOLOGY

Investigations on the origin of hallux valgus by electromyographic analysis. Shimazaki K, et al. **Kobe J Med Sci** 1981 Aug;27(4):139–58
Endothelial factors, toe temperature and leg circulation in diabetics with and without autonomic neuropathy. Almér LO, et al. **Thromb Res** 1982 Apr 15;26(2):119–28

RADIOGRAPHY

[Osteoid-forming giant cell tumor of the tendon sheath--roentgenology and histology] Nebel G, et al. **Z Rheumatol** 1982 May-Jun;41(3):107–8 **(Ger)**

SURGERY

A neurovascular flap for coverage of distal plantar defects. Riegels-Nielsen P, et al. **Acta Orthop Scand** 1982 Jun; 53(3):495–8
A new guard for Kirschner wires. O'Brien TM, et al. **Injury** 1982 May;13(6):518–9
Ingrown toenail surgery: a new procedure. Kufdakis AD. **Int Surg** 1981 Oct-Dec;66(4):339–40
Syndactylism and its surgical repair. Coleman WB, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):545–50
Osteoid osteoma: benign osteoblastic lesion of bone. Estersohn HS, et al. **J Am Podiatry Assoc** 1981 Oct; 71(10):568–71
Nodular melanoma: review and report of a digital case. Page JC. **J Am Podiatry Assoc** 1981 Oct;71(10):571–4
The terminal Syme procedure. Gastwirth BW, et al. **J Foot Surg** 1981 Summer;20(2):95–7
Cosmetic surgical correction for forefoot anomaly secondary to a congenital shore hallux. Kuwada GT, et al. **J Foot Surg** 1981 Summer;20(2):84–7
Percutaneous osteoclasp fixation of akin osteotomy: an alternative fixation technique. Levitsky DR. **J Foot Surg** 1981 Fall;20(3):163–6
Surgical correction of severe hammer digit syndrome: a case report. Sharon S, et al. **J Foot Surg** 1979 Summer;18(2):85–6
Cross- toe flap. Hait G. **Plast Reconstr Surg** 1982 Jul; 70(1):94–5
Predictive value of distal perfusion pressure in the healing of amputation of the digits and the forefoot. Schwartz JA, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):865–9
[Successful big toe replantation using invaginational microvascular anastomosis (author's transl)] Nyárády J. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):279–81 (Eng. Abstr.) **(Hun)**

TRANSPLANTATION

Toe to hand transfer. Solonen KA, et al. **Ann Chir Gynaecol** 1982;71(1):28–33
Arteriography before toe to hand free tissue transfer operation. Hekali P, et al. **Eur J Radiol** 1981 Nov;1(4):285–7
Toe transfers for congenital hand defects. Gilbert A. **J Hand Surg** 1982 Mar;7(2):118–24
Microvascular double toe transfer for opposable digits--case report and rationale for treatment. Lichtman DM, et al. **J Hand Surg** 1982 May;7(3):279–83
Reconstruction by autogenous toe transplantations for total hand amputation. Zhong-Wei C. **Orthop Clin North Am** 1981 Oct;12(4):835–42
The versatile second toe microvascular transfer. Zhong-Wei C, et al. **Orthop Clin North Am** 1981 Oct;12(4):827–34
Grip reconstruction by double-toe transplantation in cases of a fingerless hand and a handless arm. Holle J, et al. **Plast Reconstr Surg** 1982 Jun;69(6):962–8
['Hand reconstruction' by autotransplantation of toes (author's transl)] Chen ZW, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):7–9 (Eng. Abstr.) **(Chi)**
[General reflections on the medical literature and the collection of communications presented on the subject of reimplantation of fingers, such as operations of toe transfers in place of fingers] Calberg G. **Acta Orthop Belg** 1981; 47(6):867–9 **(Fre)**
[Total or partial transfer of the 2d toe in digital reconstruction. Apropos of 32 cases] Foucher G, et al. **Acta Orthop Belg** 1981;47(6):854–66 **(Fre)**
[Transplantation of the second toe in the reconstruction of fingers (author's transl)] Foucher G, et al. **Rev Chir Orthop** 1981;67(3):235–40 (Eng. Abstr.) **(Fre)**
[Free flap indications in hand surgery (author's transl)] Egloff DV. **Ther Umsch** 1981 Dec;38(12):1184–9 (Eng. Abstr.) **(Fre)**
[Thumb replacement by transplantation of the 2d toe] Biemer E. **Handchirurgie** 1981;13(1–2):31–5 (Eng. Abstr.) **(Ger)**
[Free microsurgical toe transplantation--a new alternative for replacement of digits (author's transl)] Meyer VE. **Ther Umsch** 1981 Dec;38(12):1180–3 (Eng. Abstr.) **(Ger)**
[Thumb replacement with free transplantation of the 2d toe] Simonka JA, et al. **Zentralbl Chir** 1981;106(18):1218–21 **(Ger)**
[Restoration of the thumb by means of free transplantation of a toe] Simonka J, et al. **Orv Hetil** 1981 Jun 21; 122(25):1533–7 **(Hun)**
[Single-stage transplantation of the 2d digits from both feet to the hands] Krylov VS, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):101–2 **(Rus)**
[Single-stage pollicization of a fingerless hand] Stepanov GA, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):102–4 **(Rus)**

TOGAVIRIDAE

GROWTH & DEVELOPMENT

The effects of interferon and double-stranded RNA upon the virus-host interaction: studies with togavirus strains in mice. Bradish CJ, et al. **J Gen Virol** 1981 Mar;53(Pt 1):21–30

IMMUNOLOGY

[Mechanisms of in vivo suppressive effect of togaviridae and bunyaviridae on the activity of effectors of graft vs host reaction] Khozinskii VV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Feb;(2):99-103 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Border disease virus isolation from postpartum ewes. Niemi SM, et al. **Am J Vet Res** 1982 Jan;43(1):86-8
Detection of a togavirus-like agent in bovine leukocytes. Hajer IE, et al. **Bull Anim Health Prod Afr** 1981 Mar; 29(1):56-63
Kadam virus (Togaviridae, Flavivirus) infecting camel-parasitizing Hyalomma dromedarii ticks (Acari: Ixodidae) in Saudi Arabia. Wood OL, et al.
J Med Entomol 1982 Mar 24;19(2):207-8
A comparison of indirect immunofluorescence and electron microscopy for the diagnosis of some haemorrhagic viruses in cell cultures. El Mekki AA, et al. **J Virol Methods** 1981 Sep;3(2):61-9

TOGAVIRUS INFECTIONS

Ockelbo disease: epidemic arthritis-exanthema syndrome in Sweden caused by Sindbis-virus like agent [letter] Skogh M, et al. **Lancet** 1982 Apr 3;1(8275):795-6

BLOOD

Development of age-dependent resistance to sindbis virus encephalitis: correlation with inactivation of virus within the blood stream. Hirsch RL, et al. **Antiviral Res** 1981 Nov; 1(4):263-7

COMPLICATIONS

Demyelination induced in mice by avirulent Semliki Forest virus. I. Virology and effects on optic nerve. Illavia SJ, et al. **Neuropathol Appl Neurobiol** 1982 Jan-Feb;8(1):35-42
Zika virus, a cause of fever in Central Java, Indonesia. Olson JG, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):389-93

DIAGNOSIS

West Nile fever encephalitis. Flatau E, et al.
Isr J Med Sci 1981 Nov;17(11):1057-9
Haemorrhagic manifestations with Sindbis infection. Case report. Guard RW, et al. **Pathology** 1982 Jan;14(1):89-90

FAMILIAL & GENETIC

Characterization of West Nile virus persistent infections in genetically resistant and susceptible mouse cells. I. Generation of defective nonplaquing virus particles. Brinton MA. **Virology** 1982 Jan 15;116(1):84-98

IMMUNOLOGY

Genetic resistance to lethal flavivirus encephalitis: effect of host age and immune status and route of inoculation on production of interfering Banzi virus in vivo. Smith AL. **Am J Trop Med Hyg** 1981 Nov;30(6):1319-23
Genetic resistance to lethal flaviviral encephalitis. III. Replication of Banzi virus in vitro and in vivo in tissues of congeneic susceptible and resistant mice. Bhatt PN, et al. **Arch Virol** 1981;69(3-4):273-86
Immunoglobulin synthesis in nude (nu/nu), nu/+ and reconstituted nu/nu mice infected with a demyelinating strain of Semliki Forest virus. Suckling AJ, et al.
Clin Exp Immunol 1982 Feb;47(2):283-8
Genetically controlled resistance to flavivirus and lactate-dehydrogenase-elevating virus-induced disease. Brinton MA. **Curr Top Microbiol Immunol** 1981;92:1-14 (56 ref.)
Interferon independence of genetically controlled resistance to flaviviruses. Brinton MA, et al. **Infect Immun** 1982 Apr; 36(1):284-8
Production of mononuclear cell chemotactic factors during Sindbis virus infection of mice. Mokhtarian F, et al.
Infect Immun 1982 Mar;35(3):965-73
Studies of immune responses during recovery from Sindbis virus encephalitis in selectively reconstituted, thymectomized, lethally irradiated mice. Park MM, et al. **Infect Immun** 1981 Oct;34(1):306-9
Non-neutralizing monoclonal antibodies can prevent lethal alphavirus encephalitis. Schmaljohn AL, et al. **Nature** 1982 May 6;297(5861):70-2
Passively acquired antibody to flavivirus in Thai infants. Nimmannitya S, et al.
Southeast Asian J Trop Med Public Health 1981 Sep; 12(3):344-5

MICROBIOLOGY

The effect of defective-interfering Semliki Forest virus on the histopathology of infection with virulent Semliki Forest virus in mice. Crouch CF, et al. **J Infect Dis** 1982 Sep; 146(3):411-6
[Morphological study of a mixed alphavirus infection] Gushchin BV, et al. **Vopr Virusol** 1981 Nov-Dec;(6):728-31 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The epidemiology of O'nyong-nyong in the Kano Plain, Kenya. Marshall TF, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):153-8
Passively acquired antibody to flavivirus in Thai infants. Nimmannitya S, et al.
Southeast Asian J Trop Med Public Health 1981 Sep; 12(3):344-5
[Study of combined foci of mosquito-transmitted arbovirus infections] Bochkova NG, et al. **Vopr Virusol** 1981 Sep-Oct;(5):611-5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Sindbis virus-induced ocular immunopathology. Carreras B, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):571-8
Demyelination induced in mice by avirulent Semliki Forest virus. II. An ultrastructural study of focal demyelination in the brain. Kelly WR, et al.
Neuropathol Appl Neurobiol 1982 Jan-Feb;8(1):43-53

PREVENTION & CONTROL

The effects of interferon and double-stranded RNA upon the virus-host interaction: studies with togavirus strains in mice. Bradish CJ, et al. **J Gen Virol** 1981 Mar;53(Pt 1):21-30

VETERINARY

Border disease in Norway. Serological examination of affected sheep flocks. Løoken T, et al. **Acta Vet Scand** 1982; 23(1):46-52
Border disease virus isolation from postpartum ewes. Niemi SM, et al. **Am J Vet Res** 1982 Jan;43(1):86-8
Border disease: experimental reproduction in sheep, using a virus replicated in tissue culture. Potts BJ, et al.
Am J Vet Res 1982 Aug;43(8):1464-6
Border disease: tissue culture studies of the virus in sheep. Potts BJ, et al. **Am J Vet Res** 1982 Aug;43(8):1460-3
Detection of a togavirus-like agent in bovine leukocytes. Hajer IE, et al. **Bull Anim Health Prod Afr** 1981 Mar; 29(1):56-63
Border disease in a flock of Minnesota sheep. Ames TR, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):619-21
Vertical transmission of Border disease infection. Gardiner AC, et al. **J Comp Pathol** 1981 Jul;91(3):467-70
Isolation of picornavirus from horses associated with Getah virus infection. Fukunaga Y, et al.
Nippon Juigaku Zasshi 1981 Aug;43(4):569-72
Sero-epizootiological survey on Getah virus infection in light horses in Japan. Imagawa H, et al.
Nippon Juigaku Zasshi 1981 Dec;43(6):797-802

TOILET FACILITIES

Education graffiti: better use of the lavatory wall. Grogono AW, et al. **Lancet** 1982 May 22;1(8282):1175-6
Plumbed in bidet [letter] Woodhouse DR. **Med J Aust** 1981 Oct 31;2(9):450
Entomological studies of on-site sanitation systems in Botswana and Tanzania. Curtis CF, et al.
Trans R Soc Trop Med Hyg 1982;76(1):99-108
Environmental sanitation infection and nutritional status of infants in rural St. Lucia, West Indies. Henry FJ.
Trans R Soc Trop Med Hyg 1981;75(4):507-13
[Bedpan dermatitis in children] Kogan AI, et al.
Vestn Dermatol Venerol 1981 Sep;(9):66-7 **(Rus)**
[Disinfection of bathrooms in the prevention of foot dermatophytosis in soldiers] Karadaglić D, et al.
Vojnosanit Pregl 1982 Jan-Feb;39(1):12-4 **(Scr)**

STANDARDS

[Sanitary installations in restaurants from a hygienic and architectonic viewpoint] Martiny H, et al.
Off Gesundheitswes 1982 Jun;44(6):418-26 **(Ger)**

TOILET TRAINING

Toilet training and enuresis. Doleys DM, et al.
Pediatr Clin North Am 1982 Apr;29(2):297-313

TOKEN ECONOMY

A group response-cost system mediated by free tokens: an alternative to token reinforcement. Salend SJ, et al.
Am J Ment Defic 1981 Sep;86(2):184-7
Medication and reinforcement within a token programme for disturbed mentally retarded residents. Sandford D, et al.
Appl Res Ment Retard 1982;3(1):21-36
An analysis of self-assessment and self-reinforcement in a self-managed token economy with mentally retarded children. Shapiro ES, et al. **Appl Res Ment Retard** 1980; 1(3-4):227-40
A stimulus shaping method for teaching complex motor performance to severely and profoundly retarded individuals. Stoddard LT, et al. **Appl Res Ment Retard** 1981;2(4):281-95
Generalization of the effects of teacher- and self-administered token reinforcers to nontreated students. Fantuzzo JW, et al. **J Appl Behav Anal** 1981 Winter; 14(4):435-47
Token reinforcement during the instatement and shaping of fluency in the treatment of stuttering. Howie PM, et al.
J Appl Behav Anal 1982 Spring;15(1):55-64
Teacher popularity and contrast effects in a classroom token economy. Kistner J, et al. **J Appl Behav Anal** 1982 Spring; 15(1):85-96
Training and generalization of laundry skills: a multiple probe evaluation with handicapped persons. Thompson TJ, et al.
J Appl Behav Anal 1982 Spring;15(1):177-82

TOKEN REINFORCEMENT see **TOKEN ECONOMY**

TOLAMOLOL see under **PROPANOLAMINES**

TOLAZAMIDE

ADVERSE EFFECTS

Tolazamide-induced chronic eosinophilic pneumonia [letter] Bondi E, et al. **Chest** 1981 Nov;80(5):652

METABOLISM

Pharmacokinetic interactions of tolazamide and oxyphenbutazone in dogs. Abidi SE, et al. **J Pharm Sci** 1982 Jan;71(1):29-32

THERAPEUTIC USE

One minute with diabetes. DeLawter DE.
Md State Med J 1981 Aug;30(8):60

TOLAZOLINE

ADVERSE EFFECTS

Unanticipated response to alpha-adrenergic blockade in pulmonary hypertension [letter] Fennell WH, et al.
Chest 1982 Jan;81(1):128-9
Duodenal perforation with tolazoline therapy [letter] Matsuo M, et al. **J Pediatr** 1982 Jun;100(6):1005-6

PHARMACODYNAMICS

Reduction in halothane anesthetic requirement by clonidine, an alpha-adrenergic agonist. Bloor BC, et al.
Anesth Analg (Cleve) 1982 Sep;61(9):741-5
Effects of PEEP and tolazoline infusion on respiratory and inert gas exchange in experimental meconium aspiration. Truog WE, et al. **J Pediatr** 1982 Feb;100(2):284-90
The histamine-like effects of tolazoline and clonidine:: evidence against direct activity at histamine receptors. Kenakin TP, et al. **J Pharmacol Exp Ther** 1981 Nov; 219(2):474-80
Comparative studies on the hemodynamic effects of prostaglandin E1 prostacyclin, and tolazoline upon elevated pulmonary vascular resistance in neonatal swine. Starling MB, et al. **Prostaglandins Med** 1981 Nov;7(5):349-61

THERAPEUTIC USE

[Comparative effects of tolazoline and nifedipine on hypoxic pulmonary arterial hypertension in the dog (author's transl)] Durandy Y, et al. **Poumon Coeur** 1982;38(1):3-7 (Eng. Abstr.) **(Fre)**
[Tolazoline-HCl in cardio-respiratory adaptation of newborns with respiratory distress syndrome (author's transl)] Tulassay T, et al. **Monatsschr Kinderheilkd** 1981 Oct;129(10):571-4 (Eng. Abstr.) **(Ger)**

TOLBUTAMIDE

Homologous and hybrid calcium complexes of A23187 and hypoglycemic sulfonylureas: nuclear magnetic resonance and conformational analysis. Deleers M, et al.
J Inorg Biochem 1982 Jun;16(3):215-25
Combined water-soluble carriers for coprecipitates of tolbutamide. Miralles MJ, et al. **J Pharm Sci** 1982 Mar; 71(3):302-4

ADVERSE EFFECTS

Hypoglycaemia induced by azapropazone-tolbutamide interaction [letter] Andreasen PB, et al.
Br J Clin Pharmacol 1981 Oct;12(4):581-3
Chlorpropamide- and tolbutamide-alcohol flushing in non-insulin-dependent diabetes. Capretti L, et al.
Br Med J [Clin Res] 1981 Nov 21;283(6303):1361-2
Systemic contact dermatitis from Orinase and Diabinese in diabetics with para-amino hypersensitivity. Fisher AA.
Cutis 1982 Jun;29(6):551, 556, 565 passim
[Severe hypoglycemia due to Dirastan (tolbutamide) in a diabetic with chronic renal failure] Bureš J, et al.
Vnitr Lek 1982 Jul;28(7):678-84 (Eng. Abstr.) **(Cze)**

ANALOGS & DERIVATIVES

High-performance liquid chromatographic assay of tolbutamide and carboxytolbutamide in human plasma. Raghow G, et al. **J Pharm Sci** 1981 Oct;70(10):1166-8

BLOOD

Prediction of drug-drug interaction from in vitro plasma protein binding and metabolism. A study of tolbutamide-sulfonamide interaction in rats. Sugita O, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3347-54
Effect of modification of albumin on tolbutamide-serum

albumin binding. Yoshitomi H, et al.
Chem Pharm Bull (Tokyo) 1981 Aug;29(8):2374–9
Effects of total plasma concentration and age on tolbutamide plasma protein binding. Adir J, et al.
Clin Pharmacol Ther 1982 Apr;31(4):488–93
Effect of pirprofen on protein binding of warfarin and tolbutamide in human plasma. Luders RC, et al.
J Pharm Sci 1981 Dec;70(12):1370–1
High-performance liquid chromatographic assay of tolbutamide and carboxytolbutamide in human plasma. Raghow G, et al. **J Pharm Sci** 1981 Oct;70(10):1166–8

DIAGNOSTIC USE

The effect of the acute administration of tolbutamide on left ventricular function in insulin-dependent diabetics. Harrower AD, et al. **Acta Diabetol Lat** 1981 Oct–Dec; 18(4):385–8
The regulation of glucose-induced insulin secretion by pre-stimulus glucose level and tolbutamide in normal man. Pfeifer MA, et al. **Diabetologia** 1981 Sep;21(3):198–205
[Different types of insulin-secretion in diabetes mellitus in man] Ellorhaoui M, et al. **Maroc Med** 1981 Mar;3(1):515–25 (Eng. Abstr.) **(Fre)**
[Tolbutamide plus somatostatin test in the diagnosis of insulinomas] Jara Albarrán A, et al. **Rev Clin Esp** 1982 Jan 31;164(2):105–9 (Eng. Abstr.) **(Spa)**

METABOLISM

The effect of sulphinpyrazone on oxidative drug metabolism in man: inhibition of tolbutamide elimination. Miners JO, et al. **Eur J Clin Pharmacol** 1982;22(4):321–6
Effect of diethyldithiocarbamate on the metabolic elimination of hexobarbital, phenazone, tolbutamide and four halogenated hydrocarbons. Siegers CP, et al.
Eur J Drug Metab Pharmacokinet 1981;6(2):141–8

PHARMACODYNAMICS

Tolbutamide, glucose, calcium, and somatostatin secretion. Hermansen K. **Acta Endocrinol (Copenh)** 1982 Jan; 99(1):86–93
Effect of tolbutamide on the protein secretion of the rat salivary glands. Chilla R, et al. **Arch Otorhinolaryngol** 1981; 232(3):221–6
Opposite effects of tolbutamide and diazoxide on 86Rb+ fluxes and membrane potential in pancreatic B cells. Henquin JC, et al. **Biochem Pharmacol** 1982 Apr 1; 31(7):1407–15
Effects of tolbutamide on insulin binding to isolated fat cells of the rat. Joost HG, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1227–31
Effects of chlorpropamide and tolbutamide on adenylate cyclase activity in rat heart and liver. Leichter SB, et al. **Biochem Pharmacol** 1981 Oct;30(20):2861–3
Comparative study on the effects of a hypoglycemic 2-substituted-2-imidazoline derivative (DG-5128) and tolbutamide on insulin secretion from and insulin synthesis in the isolated rat pancreatic islets. Kameda KY, et al.
Biochim Biophys Acta 1981 Oct 12;677(2):263–8
Acute tolbutamide administration alone or combined with insulin enhances glucose uptake in the perfused rat hindlimb. Daniels EL, et al. **Endocrinology** 1982 May; 110(5):1840–2
Long-term actions of sulfonylureas on (Pro-) insulin biosynthesis and secretion. III. Functional state of isolated pancreatic rat islets after culture in the presence of tolbutamide and glibenclamide. Gonnermann B, et al.
Horm Metab Res 1981 Jul;13(7):411–2
Stimulatory effects of tolbutamide infusion on plasma glucagon in insulin-dependent diabetic subjects. Bohannon NV, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):459–62
Insulin secretion in relation to fatness in cattle. Gregory NG, et al. **J Sci Food Agric** 1982 Mar;33(3):276–82
Tolbutamide stimulation of 45Ca fluxes in microdissected pancreatic islets rich in beta-cells. Hellman B.
Mol Pharmacol 1981 Jul;20(1):83–8
Potentiation of the insulin-releasing capacity of tolbutamide by thiols: studies on the isolated perfused pancreas. Ammon HP, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):262–7
Effect of chronic tolbutamide administration on normal and obese-hyperglycemic mice: evidence for post-receptor potentiation of insulin action. Poyet C, et al.
Res Commun Chem Pathol Pharmacol 1982 Mar; 35(3):355–76
Insulin response to glucagon with or without tolbutamide in normal and diabetic subjects. Chiba M, et al.
Tohoku J Exp Med 1982 Feb;136(2):169–75
[Insulin receptors: the in vitro effect of oral hypoglycemic agents] Zandomeneghi R, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):730–6 (Eng. Abstr.) **(Ita)**
[Pharmacokinetics of tolbutamide with special consideration for its affinity for the thyroid] Ruiz-Torres A, et al.
Rev Clin Esp 1982 Jan 15;164(1):37–40 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Therapeutic effect of tolbutamide in non-insulin dependent diabetes mellitus (NIDDM). Relation to beta-cell function. Damsgaard EM, et al. **Acta Endocrinol (Copenh)** 1982 Jul; 100(3):416–20
Plasma 25-hydroxycholecalciferol in oral sulfonylurea treated diabetes mellitus. Štěpán J, et al.
Horm Metab Res 1982 Feb;14(2):98–100
Serum glycohydrolases in compensated & decompensated alloxan diabetic rabbits. Annamala PT, et al.
Indian J Exp Biol 1981 Aug;19(8):722–4
The effects of gliclazide in diabetes: a comparison with tolbutamide. Berber MJ, et al. **Ir J Med Sci** 1982 Feb; 151(2):46–9
Differential effects of tolbutamide on first and second phase insulin secretion in noninsulin-dependent diabetes mellitus. Pfeifer MA, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1256–62
[Comparative evaluation of the hypoglycemic activity of glyoxamide and tolbutamide in normal states and in experimental diabetes] Khaleeva LD, et al.
Probl Endokrinol (Mosk) 1981 Jul–Aug;27(4):46–8 **(Rus)**

TOXICITY

Tolbutamide enhancement of ouabain cardiotoxicity in rabbits. Herman EH, et al. **Pharmacology** 1982 Feb; 24(2):111–7

TOLIPROLOL see under **PROPANOLAMINES**

TOLMETIN see under **PYRROLES**

TOLONIUM CHLORIDE

Glycosaminoglycans in the rat aorta. Ultrastructural localization with toluidine blue O and osmium--ferrocyanide procedure. Coltoff-Schiller B, et al.
Am J Pathol 1981 Dec;105(3):232–40
A toluidine blue stain mountant for the microscopy of comminuted meat products. Flint FO, et al. **Analyst** 1981 Nov;106(1268):1242–3
A quantitative histomorphometric comparison of 40 micron thick Paragon sections with 5 micron thick Goldner sections in the study of undecalcified bone. Felsenfeld AJ, et al. **Calcif Tissue Int** 1982 May;34(3):232–8

DIAGNOSTIC USE

[Detection of cancer of the oral cavity using toluidine blue] Barrellier P, et al. **Actual Odontostomatol (Paris)** 1982; 137:87–92 **(Fre)**

METABOLISM

[Initial observations on the secretion of stains by the rabbit gastric mucosa under experimental conditions. (Technical note)] Todescan GC, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):656–8 (Eng. Abstr.) **(Ita)**

TOLOSA-HUNT SYNDROME see **OPHTHALMOPLEGIA**

TOLPERISONE see under **PROPIOPHENONES**

TOLUENE

TLC separation of hippuric, mandelic, and phenylglyoxylic acids from urine after mixed exposure to toluene and styrene. bieniek G, et al. **Br J Ind Med** 1982 May; 39(2):187–90
Use of toluene in obstruction of urinary catheters. Sawada Y, et al. **Crit Care Med** 1982 Jan;10(1):55–6
Renal failure from 'glue sniffing'. Russ G, et al.
Med J Aust 1981 Aug 8;2(3):121–2
Evaluation of toluene and acetone inhalant abuse. I. Pharmacology and pharmacodynamics. Bruckner JV, et al. **Toxicol Appl Pharmacol** 1981 Oct;61(1):27–38
[Retention of organic solvent vapors in plastic bags (Part 3) (author's transl)] Kudo M, et al. **Sangyo Igaku** 1980 Sep; 22(5):386–7 **(Jpn)**

ADVERSE EFFECTS

Reversible renal damage due to glue sniffing [letter] King MD. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):919
Effects of acute and chronic toluene inhalation on behavior and (3H)-serotonin binding in rat. Yamawaki S, et al.
Life Sci 1982 Jun 7;30(23):1997–2002

ANALOGS & DERIVATIVES

Cardiovascular effects of intravenous tolmesoxide in hypertensive patients. Scheen A, et al.
Arch Int Pharmacodyn Ther 1981 Jun;251(2):322–34
Comparative studies on the effects of tolmesoxide (Rx71107), a tolmesoxide metabolite (Rx71112) and nifedipine in isolated blood vessels. Mikkelsen E, et al.
Br J Pharmacol 1981 Aug;73(4):799–805
The effect of food on the pharmacokinetics and pharmacodynamics of tolmesoxide in essential hypertensives. Elliott HL, et al. **Eur J Clin Pharmacol** 1982; 21(4):287–91
Clinical pharmacology of tolmesoxide in refractory heart failure. O'Boyle CP, et al. **Eur J Clin Pharmacol** 1981; 21(3):169–72
[Toxicologic study of nitrotoluenes. Determination of the irritant action on the skin and mucous membrane] Ciss M, et al. **Dakar Med** 1981;26(4):443–51 **(Fre)**
[Metabolic activation of p-nitrotoluene and trichloroethylene by rat-liver S9 or mouse-liver S9 fractions in Salmonella typhimurium strains (author's transl)] Miyata R, et al.
Eisei Shikenjo Hokoku 1981;99:60–5 **(Jpn)**
[Determination of selected antioxidants used in the production of plastic materials] Stelmach A, et al.
Rocz Panstw Zakl Hig 1981;32(3):245–9 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Cryoultramicrotomy: evidence against melting and the use of a low temperature cement for specimen orientation. Karp RD, et al. **J Microsc** 1982 Feb;125(2):157–65

METABOLISM

Thin-layer chromatography of hippuric and m-methylhippuric acid in urine after mixed exposure to toluene and xylene. Bieniek G, et al. **Br J Ind Med** 1981 Aug;38(3):304–6
A method for the study of the effect of barrier creams and protective gloves on the percutaneous absorption of solvents. Boman A, et al. **Dermatologica** 1982 Mar; 164(3):157–60
Determination of urinary hippuric acid and o-cresol, as indices of toluene exposure, by liquid chromatography on dynamically modified silica. Hansen SH, et al.
J Chromatogr 1982 Apr 16;229(1):141–8
Molecular and functional analysis of the TOL plasmid pWWO from Pseudomonas putida and cloning of genes for the entire regulated aromatic ring meta cleavage pathway. Franklin FC, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7458–62
Toluene levels in blood and brain of rats during and after respiratory exposure. Benignus VA, et al.
Toxicol Appl Pharmacol 1981 Dec;61(3):326–34
[TOL-plasmid-specific mRNA study] Kil'k AKh, et al.
Dokl Akad Nauk SSSR 1982;264(4):996–9 **(Rus)**

PHARMACODYNAMICS

Divalent cation-activated RNA synthesis in toluene-treated Escherichia coli. Helfman WB, et al. **Can J Biochem** 1981 Jul;59(7):511–8
[Genetic activity of para-aminobenzoic acid. The intensification of DNA polymerase I-dependent repair induced by chemical mutagens in toluene-treated Escherichia coli cells] Vasil'eva SV, et al.
Genetika (Moskva) 1982 Mar;18(3):392–8 (Eng. Abstr.) **(Rus)**

POISONING

Status epilepticus caused by solvent abuse. Allister C, et al.
Br Med J [Clin Res] 1981 Oct 31;283(6300):1156
A case of drowning whilst swimming after thinner-sniffing. Kojima T, et al. **Hiroshima J Med Sci** 1982 Mar;31(1):7–9
Epistaxis and liver-function abnormalities associated with exposure to 'butyl' caulk--Kentucky. **MMWR** 1982 May 21;31(19):251–2
Acute toluene poisoning. Electroneurophysiological and vestibular investigations. Biscaldi GP, et al.
Toxicol Eur Res 1981 Nov;3(6):271–3
[Cerebellar degeneration due to toluene toxicity] Lachapelle J, et al. **Union Med Can** 1982 Feb;111(2):132–3 **(Fre)**
[Evaluation of hippuric acid excretion after toluene exposure by systematic detection of impairment] Bergert KD, et al.
Z Gesamte Hyg 1981 Oct;27(10):751–3 (Eng. Abstr.) **(Ger)**

TOXICITY

Electronystagmographic findings in rats exposed to styrene or toluene. Tham R, et al. **Acta Otolaryngol (Stockh)** 1982 Jan–Feb;93(1–2):107–12
Dose dependent induction of rat liver microsomal cytochrome P-450 and microsomal enzymatic activities after inhalation of toluene and dichloromethane. Toftgård R, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug; 51(2):108–14
Effects of toluene on cytochrome P-450 mixed function oxygenase and glutathione-S-transferase activities in rat brain and liver. Chand P, et al.
Bull Environ Contam Toxicol 1982 May;28(5):542–5
Effect of toluene exposure on the liver under different experimental conditions. Ungváry G, et al.
Exp Mol Pathol 1982 Jun;36(3):347–60
Improving laboratory safety: replacing benzene by toluene in phosphate analyses. Rütti M, et al. **Experientia** 1981 Dec 15;37(12):1356
Cerebellar dysfunction caused by sniffing of toluene-containing thinner. Takeuchi Y, et al.
Ind Health 1981;19(3):163–9
Single-dose and repeated-exposure toxicity of a complex wastewater from munitions manufacturing plants. Tyson CA, et al. **J Toxicol Environ Health** 1982 Apr;9(4):545–64
Effects of concentration and duration of toluene exposure on Sidman avoidance in rats. Shigeta S, et al.
Neurobehav Toxicol 1980 Summer;2(2):85–8
Neurobehavioral effects of toluene: a review. Benignus VA.
Neurobehav Toxicol Teratol 1981 Winter;3(4):407–15 (60 ref.)
Some effects of sub-acute exposure to toluene on schedule-controlled behavior. Glowa JR.
Neurobehav Toxicol Teratol 1981 Winter;3(4):463–5

Behavioral effects of low-level perinatal exposure to toluene in mice. Kostas J, et al. **Neurobehav Toxicol Teratol** 1981 Winter;3(4):467–9

The effects of acute and repeated toluene exposure on operant behavior in mice. Moser VC, et al. **Neurobehav Toxicol Teratol** 1981 Winter;3(4):471–5

Health effects of toluene: a review. Benignus VA. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):567–88 (112 ref.)

Effects of maternal exposure to toluene during pregnancy on mouse embryos and fetuses. Shigeta S, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):265–70

Evaluation of toluene and acetone inhalant abuse. II. Model development and toxicology. Bruckner JV, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):302–12

Toluene and telencephalic dopamine: selective reduction of amine turnover in discrete DA nerve terminal systems of the anterior caudate nucleus by low concentrations of toluene. Fuxe K, et al. **Toxicol Lett** 1982 Jul;12(2–3):115–23

Effects of toluene exposure on the rest-activity cycle of rats. Ikeda T, et al. **Toxicol Lett** 1981 Nov;9(3):255–65

Effects of toluene exposure on blood pressure and its responsiveness to impulse noise in rats. Yamamura K, et al. **Toxicol Lett** 1981 Dec;9(4):361–5

[Interaction between benzene and toluene in long term inhalation exposure in rats (author's transl)] Gradiski D, et al. **Toxicol Eur Res** 1981 Jul;3(4):201–6 (Eng. Abstr.) **(Fre)**

[Effects of learning schedules on operant behavior in toluene inhaled rats (author's transl)] Shigeta S, et al. **Nippon Eiseigaku Zasshi** 1981 Jun;36(2):541–9 (Eng. Abstr.) **(Jpn)**

[Studies on the toxicity of toluene (author's transl)] Ogata M. **Sangyo Igaku** 1981 Jan;23(1):3–32 (161 ref.) (Eng. Abstr.) **(Jpn)**

[Experimental data on the mutagenic action of toluene, isopropanol and sulfur dioxide] Aristov VN, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):33–6 (Eng. Abstr.) **(Rus)**

URINE

High-performance liquid chromatography for the quantitative determination of the urinary metabolites of toluene, xylene, and styrene. Poggi G, et al. **Int Arch Occup Environ Health** 1982;50(1):25–31

TOLUENE DIISOCYANATE see under **CYANATES**

TOLUIDINE BLUE O see **TOLONIUM CHLORIDE**

TOLUIDINES

ADVERSE EFFECTS

Preliminary experimental contribution to the study of possible carcinogenic activity of two herbicides containing atrazine-simazine and trifluralin as active principles. Donna A, et al. **Pathologica** 1981 Sep-Oct;73(1027):707–21

CHEMICAL SYNTHESIS

New antiarrhythmic agents. 6. Quantitative structure-activity relationships of aminoxylidides. Tenthorey PA, et al. **J Med Chem** 1981 Jul;24(7):798–806

DIAGNOSTIC USE

[Stability of reagents in the pararosaniline method (SO2 emission measurements)] Herrmann G. **Z Gesamte Hyg** 1982;28(1):30–2 (Eng. Abstr.) **(Ger)**

METABOLISM

Excretion balance, metabolic fate and tissue residues following treatment of rats with amitraz and N'-(2,4-dimethylphenyl)-N-methylformamidine. Knowles CO, et al. **J Environ Sci Health [B]** 1981;16(5 Pt B):547–55

Investigations on trifluralin binding to soil and possible uptake of bound residues by plants. Mostafa IY, et al. **J Environ Sci Health [B]** 1982;17(3):265–75

PHARMACODYNAMICS

Studies on the mutagenic potential of the pesticide chlordimeform and its principal metabolites in the mouse heritable translocation assay. Lang R, et al. **Mutat Res** 1982 Feb 22;92(1–2):243–8

POISONING

The carcinogenic effect of aromatic amines: an epidemiological study on the role of o-toluidine and 4,4'-methylene bis (2-methylaniline) in inducing bladder cancer in man. Rubino GF, et al. **Environ Res** 1982 Apr; 27(2):241–54

THERAPEUTIC USE

The use of amitraz in the control of an outbreak of sarcoptic mange in a colony of koalas. Brown AS, et al. **Aust Vet J** 1982 Jan;58(1):8–10

An evaluation of permethrin, carbaryl, and amitraz for the control of northern fowl mites on caged chickens. Collison CH, et al. **Poult Sci** 1981 Aug;60(8):1812–7

TOXICITY

ortho-Toluidine and ortho-toluidine hydrochloride. **IARC Monogr Eval Carcinog Risk Chem Hum** 1982 Apr; 27:155–75

TOMATINE see under **ALKALOIDS**

TOMOGRAPHY

The role of polytomography in the diagnosis and treatment of cervical spine injuries. Anderson LD, et al. **Clin Orthop** 1982 May;(165):64–7

Tomography and xerotomography after reconstructive middle ear surgery for cholesteatoma. Brünner S, et al. **Eur J Radiol** 1982 May;2(2):102–4

Computerized ultrasound echo tomography of the breast. Friedrich M, et al. **Eur J Radiol** 1982 Feb;2(1):78–87

Clinical imaging with transmissive ultrasonic computerized tomography. Greenleaf JF, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):177–85

Application of phase-insensitive detection and frequency-dependent measurements to computed ultrasonic attenuation tomography. Klepper JR, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):186–201

Ultrasonic reflectivity imaging in three dimensions: exact inverse scattering solutions for plane, cylindrical, and spherical apertures. Norton SJ, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):202–20

A survey of 3,000 examinations by transrectal ultrasonotomography. Watanabe H, et al. **Prostate** 1980; 1(3):271–8

Principles of nuclear magnetic resonance imaging. Pykett IL, et al. **Radiology** 1982 Apr;143(1):157–68 (77 ref.)

Computerized ultrasound tomography of the human head: experimental results. Dines KA, et al. **Ultrasonic Imaging** 1981 Oct;3(4):342–51

[Contribution of scanning to the diagnosis and evaluation of acquired anomalies of the aorta (author's transl)] Lardé D, et al. **J Mal Vasc** 1981;6(1):51–4 (Eng. Abstr.) **(Fre)**

[Algorithmic fundamentals of computerized tomography and of transverse analogue tomography (author's transl)] Heckmann K. **Rontgenblatter** 1981 Oct;34(10):394–6 (Eng. Abstr.) **(Ger)**

[Ultrasound tomography of the liver] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):373–7 **(Ger)**

[Preoperative evaluation of bronchogenic cancer by traditional and computerized tomography] Porta E, et al. **Minerva Med** 1981 Oct 13;72(39):2601–10 (Eng. Abstr.) **(Ita)**

[Study of the biliary tract with simultaneous multiple tomography (Synchroplan) in double-dose peroral cholecystography] Andretta L, et al. **Radiol Med (Torino)** 1981 Sep;67(9):666–7 **(Ita)**

[A simple method of reducing irradiation of the patient and improving the results of xerotomography in pulmonary diagnostics: 'aimed' xerotomography] Sada E. **Radiol Med (Torino)** 1982;68(3):165–8 **(Ita)**

ADVERSE EFFECTS

Potential hazards in NMR imaging: heating effects of changing magnetic fields and RF fields on small metallic implants. Davis PL, et al. **AJR** 1981 Oct;137(4):857–60

INSTRUMENTATION

Table for decubitus tomography during positive contrast studies of the internal auditory canal. Curtin HD, et al. **Radiology** 1982 Aug;144(3):633–5

Instrumentation for the three-dimensional reconstruction of cellular organelles by electron microscopy. Bahr GF, et al. **Ultramicroscopy** 1981;6(3):251–8

METHODS

Positive Diagnosis using tomography in failed oral cholecystography. Philips RL, et al. **Australas Radiol** 1981 Jul;25(2):140–4

Original technique in mammary echotomography. Nardelli GB, et al. **Clin Exp Obstet Gynecol** 1981;8(3):141–3

Volume measurement based on serial ultrasound tomograms. Tamura S, et al. **Comput Biol Med** 1981;11(3):141–52

Physical principles of NMR tomography. Loeffler W, et al. **Eur J Radiol** 1981 Nov;1(4):338–44

Ultrasound velocity tomography, an imaging method. Mol CR, et al. **J Biomed Eng** 1981 Jul;3(3):235–8

Clinical relevance of two different nuclear magnetic resonance (NMR) approaches to imaging of a low grade astrocytoma. Buonanno FS, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):529–35

Nuclear magnetic resonance (NMR) tomography of the normal heart. Hawkes RC, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):605–12

Nuclear magnetic resonance (NMR) tomography of the normal abdomen. Hawkes RC, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):613–8

Optimal sampling in nuclear magnetic resonance (NMR) tomography. Louis AK. **J Comput Assist Tomogr** 1982 Apr; 6(2):334–40

Initial clinical evaluation of a whole body nuclear magnetic resonance (NMR) tomograph. Young IR, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):1–18

NMR rheotomography: feasibility and clinical potential. Grant JP, et al. **Med Phys** 1982 Mar-Apr;9(2):188–93

Relative value of computed tomography and hypocycloidal tomography in the diagnosis of pituitary microadenoma. A radio-surgical correlative study. Bonafé A, et al. **Neuroradiology** 1981;22(3):133–7

Computed tomography using proton energy loss. Hanson KM, et al. **Phys Med Biol** 1981 Nov;26(6):965–83

Proton computed tomography of human specimens. Hanson KM, et al. **Phys Med Biol** 1982 Jan;27(1):25–36

Preliminary experimental results in humans and animals with a superconducting, whole-body, nuclear magnetic resonance scanner. Alfidi RJ, et al. **Radiology** 1982 Apr; 143(1):175–81

Cranial anatomy and detection of ischemic stroke in the cat by nuclear magnetic resonance imaging. Buonanno FS, et al. **Radiology** 1982 Apr;143(1):187–93

Nuclear magnetic resonance whole-body imager operating at 3.5 KGauss. Crooks L, et al. **Radiology** 1982 Apr; 143(1):169–74

Nuclear magnetic resonance zeugmatographic imaging of the heart: application to the study of ventricular septal defect. Heneghan MA, et al. **Radiology** 1982 Apr;143(1):183–6

Nuclear magnetic resonance imaging of the abnormal live rat and correlations with tissue characteristics. Herfkens R, et al. **Radiology** 1981 Oct;141(1):211–8

Nuclear magnetic resonance imaging and evaluation of human breast tissue: preliminary clinical trials. Ross RJ, et al. **Radiology** 1982 Apr;143(1):195–205

[Diagnosis of early pregnancy by type B ultrasonic tomography technic (with report of 220 cases) (author's transl)] Xia MA. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):150–3 **(Chi)**

[The role of type B ultrasonic tomography in gynecology (analysis of 446 cases) (author's transl)] Xia RJ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):154–8 **(Chi)**

[Value of echotomography in the diagnosis of embryofetal malformations] Sturbois G. **Acquis Med Recent** 1981; 198:123–36 **(Fre)**

[Value of the transverse section of the heart in two-dimensional echography for improving the reproducibility of left ventricular measurements in TM echography] Viossat J, et al. **Arch Mal Coeur** 1982 May; 75(5):539–44 (Eng. Abstr.) **(Fre)**

[Diagnostic value of sectional images obtained by emission tomography (author's transl)] Roucayrol JC. **Nouv Presse Med** 1981 Nov 14;10(41):3371–4 (Eng. Abstr.) **(Fre)**

[Echotomography of the carotid bifurcation (author's transl)] Mikol F, et al. **Rev Neurol (Paris)** 1981;137(11):661–70 (Eng. Abstr.) **(Fre)**

[Scatter tomography - dosimetry and radiographic technique with diagnostic x-rays (author's transl)] Aurich F, et al. **ROFO** 1982 Feb;136(2):206–10 (Eng. Abstr.) **(Ger)**

[Early clinical experience with nuclear magnetic resonance (author's transl)] Zeitler E, et al. **ROFO** 1981 Nov; 135(5):517–23 (Eng. Abstr.) **(Ger)**

[The abdominal aorta in ultrasonic tomography] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):330–2 **(Ger)**

[Automatic volumetry system of gallbladder using ultrasonic tomography (author's transl)] Kobatake H, et al. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):339–42 (Eng. Abstr.) **(Jpn)**

[Development of synchronous bi-sectional ultrasonic cardiac tomography] Senda S. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):385–6 **(Jpn)**

[A preliminary report of computerized ultrasonography in obstetrics and gynecology: a new technique of C-mode (author's transl)] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):101–8 (Eng. Abstr.) **(Jpn)**

[Ultrasonic echotomography of the liver in pulmonary tuberculosis and other diseases] Koriakin VA, et al. **Probl Tuberk** 1981 Jun;(6):36–9 (Eng. Abstr.) **(Rus)**

[Echotomography of extraorganic retroperitoneal neoplasms] Udzhmadzhuridze NS. **Urol Nefrol (Mosk)** 1981 Nov-Dec; (6):15–8 (Eng. Abstr.) **(Rus)**

TOMOGRAPHY, EMISSION COMPUTED

Positron emission tomography with 68Ga-EDTA compared with transmission computed tomography in the evaluation of brain infarcts. Ericson K, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):385–98

Special characteristics and potential for radiotracers for positron emission tomography. Fowler JS, et al. **Acupunct Electrother Res** 1981;6(2–3):81–108 (79 ref.)

Local cerebral blood flow measurements [letter] Gur D, et al. **AJR** 1981 Oct;137(4):883–4

Assessment of regional myocardial ischemia by positron-emission computed tomography. Schelbert HR, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):588–97

Diagnostic promise of positron tomography. Sobel BE. **Am Heart J** 1982 Apr;103(4 Pt 2):673–81

Computer-enhanced thallium scintigrams in asymptomatic men with abnormal exercise tests. Uhl GS, et al. **Am J Cardiol** 1981 Dec;48(6):1037–43

Nuclear medicine in clinical neurology: an update. Oldendorf WH. **Ann Neurol** 1981 Sep;10(3):207–13

The diagnosis and management of abdominal aortic aneurysms: a comparison of computed tomography,

ultrasound and aortography. Thomas ML, et al. **Australas Radiol** 1981 Jul;25(2):162–8

Comparison between emission and transmission computed tomography of the liver. Khan O, et al. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1212–4

Localization of viable, ischemic myocardium by positron-emission tomography with 11C-palmitate. Lerch RA, et al. **Circulation** 1981 Oct;64(4):689–99

The evolution of a brain abscess the complementary roles of radionuclide (RN) and computed tomography (CT) scans. Masucci EF, et al. **Clin Nucl Med** 1982 Apr; 7(4):166–70

Single photon emission computed tomography with tc-99m glucoheptonate and I-123 iodoamphetamine in cerebral infarction. Uren RF, et al. **Clin Nucl Med** 1982 Aug;7(8):385

Emission tomography in embolic lung disease: angiographic correlations. Donaldson RM, et al. **Clin Radiol** 1982 Jul; 33(4):389–93

Evaluation of upper urinary tract by CT scan and ultrasonography. Appel L, et al. **Comput Tomogr** 1981 Apr-Jun;5(2):139–51

Evaluation of lower urinary tract by computed tomography and transrectal ultrasonography. Declercq G, et al. **Comput Tomogr** 1981 Apr-Jun;5(2):153–60

Place of computed tomography in pancreatic disease. Comparison with other radiological methods. Pistolesi GF, et al. **Comput Tomogr** 1981 Apr-Jun;5(2):115–37

CT diagnosis of infected prosthetic graft sites. Triolo PA, et al. **Conn Med** 1981 Nov;45(11):699–700

Visual evoked potentials and positron emission tomographic mapping of regional cerebral blood flow and cerebral metabolism: can the neuronal potential generators be visualized? Celesia GG, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep; 54(3):243–56

Positron emission tomography in a case of experimental focal epilepsy in the baboon. Cepeda C, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):87–90

Diagnostic value of transverse axial tomoscintigraphy for the detection of hepatic metastases: results on 53 examinations and comparison with other diagnostic techniques. Berche C, et al. **Eur J Nucl Med** 1981;6(10):435–52

Visual cortex activation recorded by dynamic emission computed tomography of inhaled xenon 133. Henriksen L, et al. **Eur J Nucl Med** 1981;6(11):487–9

Emission computed tomography vs perfusion scanning in lung disease. Le Jeune JJ, et al. **Eur J Nucl Med** 1982; 7(4):171–3

Time triggered sequential angiographic computed tomography. Schad N, et al. **Eur J Radiol** 1982 May; 2(2):162–9

Positron-emission tomography in cardiac evaluation. Sobel BE, et al. **Hosp Pract** 1981 Nov;16(11):93–7, 101–3

Design considerations for positron emission tomography. Brooks RA, et al. **IEEE Trans Biomed Eng** 1981 Feb; 28(2):158–77

The incorporation of time-of-flight measurements into positron emission computed tomography. Jackson PC. **Int J Nucl Med Biol** 1982;9(2):129–33

Uptake of iodinated contrast material by the ischemically damaged myocardial cell. Newell JD, et al. **Invest Radiol** 1982 Jan-Feb;17(1):61–5

Significance of ultrasound and gallium scanning in detecting intraabdominal abscesses. Graif M, et al. **Isr J Med Sci** 1982 Jul;18(7):789–92

Regional cerebral blood flow measurements in stroke: the necessity of a tomographic approach. Lassen NA. **J Cereb Blood Flow Metab** 1981;1(2):141–2

Regional cerebral blood flow during rest and skilled hand movements by xenon-133 inhalation and emission computerized tomography. Lauritzen M, et al. **J Cereb Blood Flow Metab** 1981;1(4):385–7

Study of cerebral function with positron computed tomography. Phelps ME, et al. **J Cereb Blood Flow Metab** 1982;2(2):113–62 (203 ref.)

Tomographic studies of cerebral blood flow by Xenon-133 inhalation in patients with transitory ischemic attacks. Vorstrup S, et al. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S38–41

Positron emission tomography in the study of cerebral ischaemia. Wise RJ. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S87–9

Cruveilhier-Baumgarten disease: a case report emphasizing the diagnostic value of CT scanning and angiography. Goto A, et al. **J Clin Gastroenterol** 1982 Feb;4(1):59–62

An index of pulmonary edema measured with emission computed tomography. Ahluwalia BD, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):690–4

Positron emission tomography with 68Ga-EDTA in the diagnosis and localization of csf fistulas. Bergstrand G, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):320–4

A method for calculating regional cerebral blood flow from emission computed tomography of inert gas concentrations. Celsis P, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):641–5

Brain tumor imaging by positron emission computed tomography using 11C-labeled amino acids. Hübner KF, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):544–50

Error analysis for the determination of cerebral blood flow with the continuous inhalation of 15O-labeled carbon dioxide and positron emission tomography. Jones SC, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):116–24

Single photon emission computed tomography in the canine lung. Osborne D, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):684–9

Evaluation of blood-brain barrier permeability changes in rhesus monkeys and man using 82Rb and positron emission tomography. Yen CK, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):792–9

Studying regional brain function: a challenge for SPECT. Coleman RE, et al. **J Nucl Med** 1982 Mar;23(3):266–70 (39 ref.)

[11C]spiroperidol: synthesis, specific activity determination, and biodistribution in mice. Fowler JS, et al. **J Nucl Med** 1982 May;23(5):437–45

Evaluation of myocardial metabolism, with N-13- and C-11-labeled amino acids and positron computed tomography. Henze E, et al. **J Nucl Med** 1982 Aug; 23(8):671–81

Initial experience with SPECT (single-photon computerized tomography) of the brain using N-isopropyl I-123 p-iodoamphetamine: concise communication. Hill TC, et al. **J Nucl Med** 1982 Mar;23(3):191–5

Cerebral blood flow using PET measurements of fluoromethane kinetics. Holden JE, et al. **J Nucl Med** 1981 Dec;22(12):1084–8

Lesion detection with single-photon emission computed tomography (SPECT) compared with conventional imaging. Jaszczak RJ, et al. **J Nucl Med** 1982 Feb; 23(2):97–102

Quantifying local cerebral blood flow by N-isopropyl-p-[123I]iodoamphetamine (IMP) tomography. Kuhl DE, et al. **J Nucl Med** 1982 Mar; 23(3):196–203

Positron imaging feasibility studies. I: Characteristics of [3H]thymidine uptake in rodent and canine neoplasms: concise communication. Larson SM, et al. **J Nucl Med** 1981 Oct;22(10):869–74

Positron imaging feasibility studies. II: Characteristics of 2-deoxyglucose uptake in rodent and canine neoplasms: concise communication. Larson SM, et al. **J Nucl Med** 1981 Oct;22(10):875–9

A new perspective and old problems. Line BR. **J Nucl Med** 1981 Sep;22(9):827–30

Beta-methyl[1-11C]heptadecanoic acid: a new myocardial metabolic tracer for positron emission tomography. Livni E, et al. **J Nucl Med** 1982 Feb;23(2):169–75

Determination of the pleural edge by gamma-ray transmission computed tomography. Maeda H, et al. **J Nucl Med** 1981 Sep;22(9):815–7

Tomographic imaging of the heart with thallium-201: seven-pinhole or rotating gamma camera? [editorial] Mullani NA, et al. **J Nucl Med** 1981 Oct;22(10):925–6

Positron tomography with deoxyglucose for estimating local myocardial glucose metabolism. Ratib O, et al. **J Nucl Med** 1982 Jul;23(7):577–86

Brain tumor evaluation using Rb-82 and positron emission tomography. Yen CK, et al. **J Nucl Med** 1982 Jun; 23(6):532–7

Early diagnosis of septic arthritis of the sacroiliac joint by use of computed tomography. Morgan GJ Jr, et al. **J Rheumatol** 1981 Nov-Dec;8(6):979–82

Positron computed tomography. Phelps ME, et al. **JAMA** 1982 Feb 12;247(6):850–1

Single photon emission tomography [editorial] **Lancet** 1982 Jul 17;2(8290):138–9

In vivo characterization of myocardium muscarinic receptors by positron emission tomography. Mazière M, et al. **Life Sci** 1981 Dec 7;29(23):2391–7

New imaging modalities: positron emission tomography and nuclear magnetic resonance. Rollo FD. **Med Instrum** 1982 Jan-Feb;16(1):53–4

Visualization of 'cold' thyroid nodules with nonradioactive iodine [letter] Lips CJ, et al. **N Engl J Med** 1982 Jun 17; 306(24):1491

Tomographic mapping of human cerebral metabolism: auditory stimulation. Mazziotta JC, et al. **Neurology (NY)** 1982 Sep;32(9):921–37

Demonstration of decreased functional activity of visual cortex by [11 C]methylglucose and positron emission tomography. Heiss WD, et al. **Neuroradiology** 1982; 23(1):45–7

Measurement of regional cerebral blood flow and oxygen utilisation in patients with cerebral tumours using 15O and positron emission tomography: analytical techniques and preliminary results. Ito M, et al. **Neuroradiology** 1982; 23(2):63–74

Errors associated with single-scan determinations of regional cerebral blood flow by xenon enhanced CT. Good WF, et al. **Phys Med Biol** 1982 Apr;27(4):531–7

Better delineation of pulmonary perfusion defect by the single photon emission computed tomography (case report). Machida K, et al. **Radioisotopes** 1980 Oct;29(10):498–9

Use of ultrasound to determine the orientation of the left ventricle. Preparation for tomography with the seven-pinhole collimator. Chu RY, et al. **Radiology** 1982 Jan;142(1):241–2

Work in progress: [18F] fluorodeoxyglucose and positron emission tomography in the evaluation of radiation necrosis of the brain. Patronas NJ, et al. **Radiology** 1982 Sep; 144(4):885–9

The role of positron emission tomography in the detection of pancreatic disease. Syrota A, et al. **Radiology** 1982 Apr; 143(1):249–53

Regional cerebral blood flow measured with xenon-133 inhalation using emission tomography. Lassen NA. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec; 10(4):407–11

Sensitivity of computer assisted radionuclide angiography in transient ischemic attack and prolonged reversible ischemic neurological deficit. Comparison with findings in radiographic angiography and transmission computerized axial tomography. Buell U, et al. **Stroke** 1981 Nov-Dec; 12(6):829–34

11C-Iodoantipyrine for the measurement of regional cerebral blood flow by positron emission tomography. Validation studies. Ginsberg MD, et al. **Stroke** 1981 Nov-Dec; 12(6):745–50

Xenon and iodine enhanced cerebral CT: A closer look. Gur D, et al. **Stroke** 1981 Sep-Oct;12(5):573–8

Mapping local blood flow of human brain by CT scanning during stable xenon inhalation. Meyer JS, et al. **Stroke** 1981 Jul-Aug;12(4):426–36

[A 15oxygen positron study of relative local perfusion and oxygen extraction of the brain in lacunar hemiparesis (author's transl)] Rougemont D, et al. **Pathol Biol (Paris)** 1982 May;30(5):295–302 (Eng. Abstr.) **(Fre)**

[Emission computer tomography of myocardium using the 7 pinhole collimator] Botsch H, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1468–71 (13 ref.) **(Ger)**

[Localization of extraosseous MDP uptake using emission computed tomography] Strauss L, et al. **ROFO** 1981 Dec; 135(6):739–40 **(Ger)**

[Computed tomography and scintigraphy in the evaluation of patients with myasthenia gravis (author's transl)] Fiore D, et al. **Radiol Med (Torino)** 1981 Nov;67(11):809–14 **(Ita)**

[Emission computed tomography, using rotating gamma camera, of tumor image with 67Ga-citrate--detection of involved lesions in malignant lymphoma (author's transl)] Fukunaga M, et al. **Kaku Igaku** 1981 Nov;18(9):1343–51 **(Jpn)**

[Usefulness of emission CT in the liver (author's transl)] Maeda H, et al. **Kaku Igaku** 1981 Nov;18(9):1249–53 (Eng. Abstr.) **(Jpn)**

[Value and limitation of seven-pinhole emission tomography with thallium-201 in patients with prior myocardial infarction (author's transl)] Nishimura T, et al. **Kaku Igaku** 1981 Nov;18(9):1271–85 (Eng. Abstr.) **(Jpn)**

[Accumulation pattern of ischemic brain lesions ith 18 FDG and 13NH3: positron CT imaging of a case with multiple cerebral infarctions (author's transl)] Shishido F, et al. **Kaku Igaku** 1982 Mar;19(2):217–22 (Eng. Abstr.) **(Jpn)**

[Evaluation of emission computed tomography using a rotating gamma camera for thallium-201 myocardial imaging: (2) clinical study (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Jul;18(6):801–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of emission computed tomography using a rotating gamma camera for thallium-201 myocardial imaging: (1) phantom study (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Jul;18(6):793–9 (Eng. Abstr.) **(Jpn)**

[Clinical application of positron CT (author's transl)] Takashima T, et al. **Neurol Med Chir (Tokyo)** 1981 Oct; 21(10):1079–84 (Eng. Abstr.) **(Jpn)**

[CT number of the fatty liver (author's transl)] Maeda H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jun 25; 41(6):489–96 (Eng. Abstr.) **(Jpn)**

[ECT and liver scintigram in the diagnosis of liver tumor (author's transl)] Nishikawa J. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1091–104 (Eng. Abstr.) **(Jpn)**

[Clinical significance of RCT in liver diseases (author's transl)] Nishikawa J, et al. **Radioisotopes** 1981 Feb; 30(2):99–103 (Eng. Abstr.) **(Jpn)**

[Comparative study of multiplanar imaging and tomographic imaging of the myocardium with Tl-201 (author's transl)] Bunko H, et al. **Rinsho Hoshasen** 1982 May;27(5):497–505 (Eng. Abstr.) **(Jpn)**

[Transverse section trunk scanning with Tomogscanner II (author's transl)] Matsuda H, et al. **Rinsho Hoshasen** 1981 Apr;26(4):457–62 (Eng. Abstr.) **(Jpn)**

[Usefulness of ECT in liver diseases (author's transl)] Nishikawa J. **Rinsho Hoshasen** 1981 Oct;26(10):1035–9 (Eng. Abstr.) **(Jpn)**

[Emission computed tomography] de Lima JJ. **Acta Med Port** 1980 Sep-Dec;2(5–6):427–38 (Eng. Abstr.) **(Por)**

[Variants in gastric evacuation function in different age groups based on computerized gastroscintigraphic data] Devishev MI, et al. **Med Radiol (Mosk)** 1981 Nov; 26(11):41–5 (Eng. Abstr.) **(Rus)**

[Computerized gamma scintigraphic data on the distribution of the ventilation-perfusion ratio in the lungs] Dmitrienko BN, et al. **Med Radiol (Mosk)** 1981 Sep;26(9):31–6 (Eng. Abstr.) **(Rus)**

[Pulmonary ventilation study of children, using computerized gamma scintigraphy] Dmitrienkov BN, et al. **Med Radiol (Mosk)** 1981 Aug;26(8):24–7 (Eng. Abstr.) **(Rus)**

ECONOMICS

Economic analyses of CT scanning. Congressional Office of Technology Assessment. A case study. **Conn Med** 1982 Jan;46(1):33

INSTRUMENTATION

Positron emission tomography for measurement of regional cerebral blood flow. Yamamoto YL, et al. **Adv Neurol** 1981; 30:41–53

CT – the future in focus. Blumenfeld M. **Australas Radiol** 1981 Jul;25(2):181–97

Image reconstruction technique for positron emission systems with measurement of time–difference information. Cheng NC. **Biomed Sci Instrum** 1981;17:27–33

Angiocardiography with the seven–pinhole collimator: evaluation of methodology and accuracy in assessing global and regional left ventricular function. Myers RW, et al. **Clin Nucl Med** 1982 Apr;7(4):151–6

Clinical evaluation of emission tomography using seven–pinhole collimator: improved detection of perfusion defect by the addition of the right anterior oblique projection. Tamaki N, et al. **Clin Nucl Med** 1982 Apr; 7(4):157–60

Seven–pinhole tomography: curiosity or clinically useful technique? Vogel RA. **Clin Nucl Med** 1982 Apr;7(4):193–4

Effect of correction function on image characteristics of Positologica: a positron CT device for the head. Endo M, et al. **Eur J Nucl Med** 1982;7(3):130–6

Performance characteristics derived from emission computed tomographic images using a single rotating head gamma–camera. Jackson PC. **Int J Nucl Med Biol** 1982; 9(2):134–6

An inexpensive video patient repositioning system for use with transmission and emission computed tomographs. Conti J, et al. **J Comput Assist Tomogr** 1982 Apr; 6(2):417–21

Analytical study of the performance of a multilayer positron computed tomography scanner. Tanaka E, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):350–64

Single–photon tomographic study of regional cerebral blood flow after stroke: concise communication. Bonte FJ, et al. **J Nucl Med** 1981 Dec;22(12):1049–53

A new collimator for cardiac tomography: the quadrant slant–hole collimator. Chang W, et al. **J Nucl Med** 1982 Sep;23(9):830–5

Re: performance of the rotating slant–hole collimator for the detection of myocardial perfusion abnormalities [letter] Chang W, et al. **J Nucl Med** 1982 Jun;23(6):547

Planar imaging of positron–emitting radionuclides with a multicrystal camera. Cochavi S, et al. **J Nucl Med** 1982 Aug;23(8):725–30

Single–photon emission tomography with a 12–pinhole collimator. Hasegawa B, et al. **J Nucl Med** 1982 Jul; 23(7):606–12

Specification of performance of positron emission tomography scanners [letter] Links JM, et al. **J Nucl Med** 1982 Jan;23(1):82

Quantitative multi–detector emission computerized tomography using iterative attenuation compensation. Moore SC, et al. **J Nucl Med** 1982 Aug;23(8):706–14

Performance of the rotating slant–hole collimator for the detection of myocardial perfusion abnormalities. Ratib O, et al. **J Nucl Med** 1982 Jan;23(1):34–41

Field–flood requirements for emission computed tomography with an Anger camera. Rogers WL, et al. **J Nucl Med** 1982 Feb;23(2):162–8

A contiguous–slice design for single–photon emission tomography (SPECT). Stokely EM. **J Nucl Med** 1982 Apr; 23(4):355–6

PETT scanners probe 'frontiers' of brain [news] Gunby P. **JAMA** 1982 Aug 13;248(6):627–8, 631–2

The interfacing of a gamma camera to a DEC Gamma–11 data processing system for single–photon emission tomography. Chesser R, et al. **Phys Med Biol** 1982 Mar; 27(3):437–41

[Transaxial emission tomography (isotopic scanography)] Roucayrol JC. **Bull Acad Natl Med (Paris)** 1981 May; 165(5):597–612 (Eng. Abstr.) **(Fre)**

[Single–photon emission computed tomography (SPECT) of the liver with a rotating gamma camera system (author's transl)] Biersack HJ, et al. **Nuklearmedizin** 1981 Oct; 20(5):205–13 (Eng. Abstr.) **(Ger)**

[Hybrid emission computed tomograph for brain study and its clinical applications (author's transl)] Kanno I, et al. **Kaku Igaku** 1981 Feb;18(1):49–61 (Eng. Abstr.) **(Jpn)**

[Radionuclide computed tomography (RCT) of the liver using a rotating chair (author's transl)] Oyamada H, et al. **Kaku Igaku** 1981 Feb;18(1):63–73 (Eng. Abstr.) **(Jpn)**

[Electronics design for hybrid emission computed tomography 'HEADTOME' (author's transl)] Miura S, et al. **Radioisotopes** 1981 Feb;30(2):115–8 **(Jpn)**

[Evaluation of single photon ECT image with rotating gamma camera (author's transl)] Yamada K, et al. **Radioisotopes** 1981 Oct;30(10):566–8 **(Jpn)**

METHODS

Measurement of infarct size using single photon emission computed tomography and technetium–99m pyrophosphate: a description of the method and comparison with patient prognosis. Holman BL, et al. **Am J Cardiol** 1982 Sep;50(3):503–11

18F–2–deoxy–2–fluoro–D–glucose as a tracer in the positron emission tomographic study of senile dementia. Farkas T, et al. **Am J Psychiatry** 1982 Mar;139(3):352–3

Development of a tomographic myelin scan. Frey KA, et al. **Ann Neurol** 1981 Sep;10(3):214–21

Cerebral glucography with positron tomography. Use in normal subjects and in patients with schizophrenia. Buchsbaum MS, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):251–9

Performance characteristics of seven–pinhole tomography. Brookeman VA, et al. **Br J Radiol** 1982 Mar;55(651):229–35

Tomographic thallium–201 myocardial perfusion scintigrams after maximal coronary artery vasodilation with intravenous dipyridamole. Comparison of qualitative and quantitative approaches. Francisco DA, et al. **Circulation** 1982 Aug;66(2):370–9

Characterization of nontransmural myocardial infarction by positron–emission tomography. Geltman EM, et al. **Circulation** 1982 Apr;65(4):747–55

Contrast enhancement of myocardial infarction: dependence on necrosis and residual blood flow and the relationship to distribution of scintigraphic imaging agents. Higgins CB, et al. **Circulation** 1982 Apr;65(4):739–46

Three–dimensional display of tomographic data. Barber DC, et al. **Clin Phys Physiol Meas** 1981 May;2(2):153–5

A computer program for reconstruction of images from a scanning gamma camera. King MA, et al. **Comput Programs Biomed** 1982 Apr;14(2):115–9

Emission computer tomoventriculography. Kidery J, et al. **Cor Vasa** 1981;23(6):422–8

Single photon emission computed tomography of the lung: preliminary results. Biersack HJ, et al. **Eur J Nucl Med** 1982;7(4):166–70

Single photon tomographic imaging of a standard heart phantom with 201T1: a gamma camera based system. Ritchie JL, et al. **Eur J Nucl Med** 1982;7(6):254–9

The use of filtering methods to compensate for constant attenuation in single–photon emission computed tomography. Gullberg GT, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):142–57

A simplified in vivo autoradiographic strategy for the determination of regional cerebral blood flow by positron emission tomography: theoretical considerations and validation studies in the rat. Ginsberg MD, et al. **J Cereb Blood Flow Metab** 1982;2(1):89–98

Measurement of local blood flow and distribution volume with short–lived isotopes: a general input technique. Huang SC, et al. **J Cereb Blood Flow Metab** 1982;2(1):99–108

Technical note. Computer assisted analysis of tomographic images of the brain. Adair T, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):929–32

Positron emission tomographic imaging of the myocardium with 81Rb. Beller GA, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):341–9

Determination of object contour from projections for attenuation correction in cranial positron emission tomography. Bergström M, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):365–72

Sampling properties of stationary and half–rotation rings in positron emission tomography. Kouris K, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):744–54

Quantitation in positron emission computed tomography: 5. Physical—anatomical effects. Mazziotta JC, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):734–43

An analysis of signal amplification using small detectors in positron emission tomography. Phelps ME, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):551–65

Quantitative measurement of regional extravascular lung density using positron emission and transmission tomography. Rhodes CG, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):783–91

PETT VI: a positron emission tomograph utilizing cesium fluoride scintillation detectors. Ter–Pogossian MM, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):125–33

Noninvasive measurement of blood flow, oxygen consumption, and glucose utilization in the same brain regions in man by positron emission tomography: concise communication. Baron JC, et al. **J Nucl Med** 1982 May; 23(5):391–9

Regional distribution of myocardial blood flow measured by single–photon emission tomography: comparison with in vitro counting. Caldwell JH, et al. **J Nucl Med** 1982 Jun; 23(6):490–5

Comparison of 180 degrees and 360 degrees data collection in thallium–201 imaging using single–photon emission computerized tomography (SPECT): concise communication. Coleman RE, et al. **J Nucl Med** 1982 Aug; 23(8):655–60

Myocardial metabolic imaging: a new diagnostic era. Goldstein RA. **J Nucl Med** 1982 Jul;23(7):641–4

180 degrees compared with 360 degrees sampling in SPECT. Hoffman EJ. **J Nucl Med** 1982 Aug;23(8):745–7

An investigation of a double–tracer technique for positron computerized tomography. Huang SC, et al. **J Nucl Med** 1982 Sep;23(9):816–22

Perspectives on tomography. Keyes JW Jr. **J Nucl Med** 1982 Jul;23(7):633–40

Quantitation of experimental canine infarct size with multipinhole and rotating–slanthole tomography. Lewis SE, et al. **J Nucl Med** 1981 Nov;22(11):1000–5

Biplanar cardiac blood–pool tomography. Mirell SG, et al. **J Nucl Med** 1981 Oct;22(10):913–20

In vivo regional quantitation of intrathoracic Tc–99m using SPECT: concise communication. Osborne D, et al. **J Nucl Med** 1982 May;23(5):446–50

Imaging of brain tumors after administration of L–(N–13)glutamate: concise communication. Reiman RE, et al. **J Nucl Med** 1982 Aug;23(8):682–7

Comparative study of thallium emission myocardial tomography with 180 degrees and 360 degrees data collection. Tamaki N, et al. **J Nucl Med** 1982 Aug; 23(8):661–6

Clinical evaluation of thallium–201 emission myocardial tomography using a rotating gamma camera: comparison with seven–pinhole tomography. Tamaki N, et al. **J Nucl Med** 1981 Oct;22(10):849–55

Production of L–[1–11C]valine by HPLC resolution. Washburn LC, et al. **J Nucl Med** 1982 Jan;23(1):29–33

Single photon emission tomography of the pituitary: preliminary communication. Britton K, et al. **J R Soc Med** 1981 Sep;74(9):667–9

An overview of a camera–based SPECT system. Greer KL, et al. **Med Phys** 1982 Jul–Aug;9(4):455–63

Application of the noise power spectrum to positron emission CT self–absorption correction. Riederer SJ. **Med Phys** 1981 Mar–Apr;8(2):220–4

Nuclear scattering radiography. Charpak G, et al. **Prog Nucl Med** 1981;7:164–74

Regional cerebral blood flow by radioxenon–113 inhalation and dynamic emission tomography. Lassen NA, et al. **Prog Nucl Med** 1981;7:110–7

Positron emission tomography: state of the art in neurology. Lenzi GL, et al. **Prog Nucl Med** 1981;7:118–37

Clinical aspects of positron emission tomography (PET). Ackerman RH. **Radiol Clin North Am** 1982 Mar;20(1):9–14

Three–dimensional regional cerebral blood perfusion images with single–photon emission computed tomography. Maeda T, et al. **Radiology** 1981 Sep;140(3):817–22

Performance factors of CT scanners [letter] Shabason L, et al. **Stroke** 1982 Mar–Apr;13(2):261–2

[Studies on liver images by subtraction scintigram and ECT (author's transl)] Kawai T. **Kaku Igaku** 1982 Feb;19(1):1–19 (Eng. Abstr.) **(Jpn)**

[Distribution of the pulmonary blood flow measured by ECT (author's transl)] Maeda H, et al. **Kaku Igaku** 1981 May; 18(4):487–93 (Eng. Abstr.) **(Jpn)**

[Development of positron CT and heart imaging] Iinuma T. **Nippon Rinsho** 1981;39(7):2535–40 **(Jpn)**

[Radionuclide methods of evaluating ischemic heart disease] Hamilton GW, et al. **Kardiologiia** 1982 Feb;22(2):43–6 **(Rus)**

[Improved lung tumor visualization by computerized subtraction scintigraphy using 67Ga citrate and 113mIn chloride] Fadeev NP. **Med Radiol (Mosk)** 1981 Jul; 26(7):69–71 (Eng. Abstr.) **(Rus)**

TRENDS

PET scan research spreads to Illinois. **Hospitals** 1982 Jul 16; 56(14):52, 55

Present trends of single photon radionuclide tomography. Ell PJ, et al. **ROFO** 1982 Mar;136(3):330–6 (48 ref.)

UTILIZATION

Revival of clinical nuclear medicine brain imaging. Budinger TF. **J Nucl Med** 1981 Dec;22(12):1094–7 (36 ref.)

TOMOGRAPHY, POSITRON EMISSION see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, RADIONUCLIDE COMPUTED see **TOMOGRAPHY, EMISSION COMPUTED**

TOMOGRAPHY, TRANSMISSION see **TOMOGRAPHY, X-RAY**

TOMOGRAPHY, TRANSMISSION COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

TOMOGRAPHY, X-RAY

Computed tomography and hypocycloid tomography in lesions of the nose, paranasal sinuses and nasopharynx. Nehen AM, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(3A):285–7

Multidirectional tomography and high resolution CT in lesions of the paranasal sinuses and the pharyngeal cavity. Schneider G, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):63–9

Tomography for evaluation of sacroiliitis. De Smet AA, et al. **AJR** 1982 Sep;139(3):577–81

Temporal bone: comparison of pluridirectional tomography and high resolution computed tomography. Littleton JT, et al. **AJR** 1981 Oct;137(4):835–45

Sella 'erosions' in a series of 50 normal women: the place of tomography in the diagnosis of prolactin secreting pituitary microadenoma. Weinstein D, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 May;13(3):169–75

Temporal bone anatomy: comparison of computed tomography and complex motion tomography. Shaffer KA, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):296–300

Double–contrast arthrotomography of the shoulder. Braunstein EM, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):192–95

Regional cerebral blood flow measurements in stroke: the necessity of a tomographic approach. Lassen NA. **J Cereb Blood Flow Metab** 1981;1(2):141–2

The value of polytomography in acute cervical trauma with a hangman's fracture. Miller KD Jr, et al.

J La State Med Soc 1981 Feb;133(2):20–1
Polytomography in Ménière's disease: an update. Austin DF. **Laryngoscope** 1981 Oct;91(10):1669–75
Image processing of conventional tomograms. Renner WD, et al. **Med Phys** 1981 May–Jun;8(3):388–95
Comparison of computed tomography and pluridirectional tomography of the temporal bone. Lufkin R, et al. **Radiology** 1982 Jun;143(3):715–8
[Application of pseudo-colour encoding of black-and-white photographs in tomogram of the lung (author's transl)] Zhang HJ. **Chung Hua I Hsueh Tsa Chih** 1982 Apr; 62(4):194–6 (Eng. Abstr.) **(Chi)**
[Insufficiency of routine views inthe radioanatomical study of the paranasal sinuses. Results of a series of 104 cases (author's transl)] Fernet M, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(4–5):171–3 **(Fre)**
[Cylindrical fractures of the mandibular joint under special consideration of the X-ray diagnosis (author's transl)] Rink B, et al. **Radiol Diagn (Berl)** 1981;22(6):755–63 (Eng. Abstr.) **(Ger)**
[Pendulation of choanal polyp detected by tomography (author's transl)] Sjöberg S, et al. **ROFO** 1982 Jun; 136(6):700–4 (Eng. Abstr.) **(Ger)**
[Tomographic findings in case of hemarthrosis (author's transl)] Lippay S. **Unfallchirurgie** 1982 Jun;8(3):152–4 (Eng. Abstr.) **(Ger)**
[Metrizamide cisternography with hypocycroidal tomography (author's transl)] Kawai R, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1283–8 (Eng. Abstr.) **(Jpn)**
[Comparative study with metrizamide CT cisternography and pneumoencephalo-tomography (author's transl)] Sumie H, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1295–300 (Eng. Abstr.) **(Jpn)**
[Usefulness of pantomography in diagnosis] Cieślińska-Wilk G. **Pol Tyg Lek** 1981 Jan 26;36(4):155–8 **(Pol)**
[Capabilities of zonography in the study of the cranium and facial bones] Apriatkina VM, et al. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):47–52 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[Modernization of a tomographic attachment for zonography] Gorskiĭ LA, et al. **Med Tekh** 1982 Mar–Apr;(2):56–7 **(Rus)**

METHODS

Laminagraphic x-ray procedures in the diagnosis and treatment of the TMJ syndrome. Kinnie BH. **Dent Radiogr Photogr** 1981;54(4):65–79
TMJ radiography with emphasis on tomography. Rosenberg HM, et al. **Dent Radiogr Photogr** 1982;55(1):1–24
Arthrotomography of the glenoid labrum in shoulder instability. McGlynn FJ, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):506–18
Quantitative measurement of regional extravascular lung density using positron emission and transmission tomography. Rhodes CG, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):783–91
Double-cut tomography in the management of congenitally dislocated hips. Kling TF Jr, et al. **J Pediatr Orthop** 1982 Jun;2(2):195–7
Polytomography and congenital external and middle ear anomalies. Wright JW Jr. **Laryngoscope** 1981 Nov; 91(11):1806–11
An illustration of transfer function correction in classical tomography. Harding G. **Med Phys** 1981 Mar–Apr; 8(2):231–3
Renal tomography in neonates. Bate E. **Radiography** 1982 May;48(569):104
A linear tomographic alignment test object. Barnes GT, et al. **Radiology** 1981 Oct;141(1):247–9
[Comparative efficacy of multidirectional and computed tomography in the diagnosis of tumors of the pontocerebellar angle (author's transl)] Bensimon JL, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):97–102 (Eng. Abstr.) **(Fre)**
[Demonstration of renal arteries by tomography during intravenous urography (author's transl)] Girard J, et al. **Nouv Presse Med** 1981 Dec 5;10(44):3617–21 (Eng. Abstr.) **(Fre)**
[The value of anterior sialotomography for the diagnosis of parotid tumors] Nguyen Ngoc Duc, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):163–6 **(Fre)**
[A newly developed method of the maxillo-temporal panoramic tomography (author's transl)] Shinkawa A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Nov 20; 83(11):1491–7 (Eng. Abstr.) **(Jpn)**
[Tomorex radiography in the general practice of dentistry (author's transl)] Yamazaki M, et al. **Rinsho Hoshasen** 1981 Mar;26(3):421–5 (Eng. Abstr.) **(Jpn)**
[Our experience with the evaluation of diagnostic neuroradiological zonography] Złomaniec J. **Neurol Neurochir Pol** 1981 May–Jun;15(3):333–6 **(Pol)**
[Directed (selective) zonography of the tracheobronchial tree] Koroliuk IP, et al. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):13–9 **(Rus)**
[Method of computing the bifurcation section in tomography of the tracheobronchial tree] Sirenko II. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):73–4 **(Rus)**

TOMOGRAPHY, X-RAY COMPUTED

Are computed tomography and ultrasonography complementary or competitive techniques in the diagnosis of pancreatic diseases? Savarino V, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec;44(11–12):528–37
Neuroradiological findings in multiloculated hydrocephalus. Albanese V, et al. **Acta Neurochir (Wien)** 1982; 60(3–4):297–311
The place of the CT scan in the three concept view (TCV) of the low back pain syndrome. A preliminary survey. Gelderman PW. **Acta Neurochir (Wien)** 1982;61(1–3):55–71
Frequency of primary brain stem lesions after head injuries. A CT scan analysis from 186 cases of severe head trauma. George B, et al. **Acta Neurochir (Wien)** 1981;59(1–2):35–43
Computed tomography of intracranial epidermoid tumours with special reference to atypical features. Handa J, et al. **Acta Neurochir (Wien)** 1981;58(3–4):221–8
Computertomography in subarachnoid haemorrhage and aneurysm. Ladurner G, et al. **Acta Neurochir (Wien)** 1982; 63(1–4):17–22
Unusual appearance of an acoustic neurinoma in CT scans. Masala A, et al. **Acta Neurochir (Wien)** 1982;62(3–4):253–7
Supplementation of conventional radiographic techniques by computer tomography in cases of subarachnoid haemorrhage (SAH). Mauersberger W, et al. **Acta Neurochir (Wien)** 1982;63(1–4):31–5
Computed tomography stereotactic head clamp. Patil AA. **Acta Neurochir (Wien)** 1982;60(1–2):125–9
The value of spinal computed tomography in diagnosis of herniated lumbar discs. Sachsenheimer W, et al. **Acta Neurochir (Wien)** 1982;60(1–2):107–14
Prospection of chronic vasospasm by CT findings. Sano H, et al. **Acta Neurochir (Wien)** 1982;63(1–4):23–30
Clinical and CT scan pictures of cerebral cysticercosis. Singounas EG, et al. **Acta Neurochir (Wien)** 1982; 62(3–4):271–6
Spinal osteochondroma diagnosed by computed tomography. Report of two cases and review of literature. Spallone A, et al. **Acta Neurochir (Wien)** 1981;58(1–2):105–14
Benign intracranial hypertension vs. intracranial arteriovenous malformation: a possible CT dilemma. Spallone A. **Acta Neurochir (Wien)** 1981;58(1–2):75–84
Extramedullary hematopoiesis in homozygous thalassemia. A tomographic study of a case treated with radiotherapy. Francesconi M, et al. **Acta Neurol (Napoli)** 1981 Aug; 36(4):602–5
Computed tomography in the assessment and planning of complicated total hip replacement. Barmeir E, et al. **Acta Orthop Scand** 1982 Aug;53(4):597–604
Osteochondritis dissecans of the talus: use of the high resolution computed tomography scanner. Zinman C, et al. **Acta Orthop Scand** 1982 Aug;53(4):697–700
Neuronal ceroidlipofuscinosis: CCT findings in fourteen patients. Lagenstein I, et al. **Acta Paediatr Scand** 1981 Nov; 70(6):857–60
Computed tomography of recurrent rectal carcinoma. Adalsteinsson B, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(6):669–72
Intravesical fat emulsion at computed tomography of bladder tumours. Ahlberg NE, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(6):645–7
Computed tomography in staging of bladder carcinoma. Ahlberg NE, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):47–53
Ultrasound and computer tomography in the evaluation of focal liver disease. Bartolozzi C, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):545–8
Computer tomography of ovarian dermoid cysts. Cederlund CG, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):435–9
Comparison of computed tomography and angiography in the evaluation of soft tissue tumors of the extremities. Ekelund L, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):15–27
Positron emission tomography with 68Ga-EDTA compared with transmission computed tomography in the evaluation of brain infarcts. Ericson K, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):385–98
Computed tomography of epidural hematomas. Association with intracranial lesions and clinical correlation. Ericson K, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):513–9
Acute hematogenous osteomyelitis: early diagnosis with computed tomography. Hald JD Jr, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):55–8
Attenuation in human muscle and fat tissue in vivo and in vitro. Hemmingsson A, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(2):149–51
Computed tomography, angiography and ultrasound in staging of renal carcinoma. Karp W, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(6):625–33
Diagnostic value of computer tomography in chronic pancreatitis: a comparison with current diagnostic tests. Kolmannskog F, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(6):649–55
Computer tomography and angiography in renal angiomyolipoma. Kolmannskog F, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(6):635–9
Diagnostic value of computed tomography in pancreatic carcinoma: a comparison with other radiologic methods. Kolmannskog F, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(2):131–41
Computed tomography, ultrasound and lymphography in the diagnosis of malignant lymphoma. Magnusson A, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):29–35
Computed tomography in the evaluation of the supraclinoid arteries in suprasellar pituitary gland tumors. Nakstad PH, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):399–402
Computed tomography and hypocycloid tomography in lesions of the nose, paranasal sinuses and nasopharynx. Nehen AM, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(3A):285–7
Multidirectional tomography and high resolution CT in lesions of the paranasal sinuses and the pharyngeal cavity. Schneider G, et al. **Acta Radiol [Diagn] (Stockh)** 1982; 23(1):63–9
New diagnostic and therapeutic developments in lung diseases. Computed tomography scanning of the mediastinum in the staging of bronchogenic carcinoma: a prospective radiologic-pathologic study. A preliminary report. Tan TD, et al. **Acta Tuberc Pneumol Belg** 1979 Jul–Dec;70(3–4):343–52
Measurement of regional brain blood circulation by computed tomography. Dobben GD, et al. **Adv Neurol** 1981;30:307–23
Mechanisms of contrast enhancement in cerebral infarction: computerized tomography, regional cerebral blood flow, fluorescein angiography, and pathological study. Kawase T, et al. **Adv Neurol** 1981;30:149–58
CT recognition of optic nerve sheath meningioma: abnormal sheath visualization. Daniels DL, et al. **AJNR** 1982 Mar–Apr;3(2):181–3
Arachnoiditis simulating acoustic neuroma on air-CT cisternography. Downey EF Jr, et al. **AJNR** 1981 Sep–Oct; 2(5):470–1
CT of nasal chondrosarcoma. Downey EF Jr, et al. **AJNR** 1982 Jan–Feb;3(1):80–1
Functional applications of CT of the central nervous system. Drayer BP. **AJNR** 1981 Nov–Dec;2(6):495–510
CT-guided stereotaxis using a modified conventional stereotaxic frame. Dubois PJ, et al. **AJNR** 1982 May–Jun; 3(3):345–51
Natural history of experimental intracerebral hemorrhage: sonography, computed tomography and neuropathology. Enzmann DR, et al. **AJNR** 1981 Nov–Dec;2(6):517–26
Computed tomography of dural sinus thrombosis. Ford K, et al. **AJNR** 1981 Nov–Dec;2(6):539–43
Effectiveness of contrast regimens in CT detection of vascular malformations of the brain. Hayman LA, et al. **AJNR** 1981 Sep–Oct;2(5):421–5
Thyroid ophthalmopathy: bony erosion on CT and increased vascularity on angiography. Healy JF, et al. **AJNR** 1981 Sep–Oct;2(5):472–4
Direct coronal CT of the spine in infants and children. Kaiser MC, et al. **AJNR** 1981 Sep–Oct;2(5):465–6
Cranial CT in fucosidosis. Kessler RM, et al. **AJNR** 1981 Nov–Dec;2(6):591–2
CT of the adverse effects of therapeutic radiation of the central nervous system. Kingsley DP, et al. **AJNR** 1981 Sep–Oct;2(5):453–60
Practical errors in measurement of the pituitary at CT [letter] Lipman JK, et al. **AJNR** 1982 Jan–Feb;3(1):87–8
Computed tomography and myelography of the postoperative lumbar spine. Meyer JD, et al. **AJNR** 1982 May–Jun;3(3):223–8
Malignant meningiomas: CT and histologic criteria, including a new CT sign. New PF, et al. **AJNR** 1982 May–Jun; 3(3):267–76
CT diagnosis of spinal epidural hematoma. Post MJ, et al. **AJNR** 1982 Mar–Apr;3(2):190–2
Intraparenchymal blood-fluid levels: new CT sign of arteriovenous malformation rupture. Richmond T, et al. **AJNR** 1981 Nov–Dec;2(6):577–9
CT of parotid tumors. Sone S, et al. **AJNR** 1982 Mar–Apr; 3(2):143–7
Computed tomography in acute posterior fossa infarcts. Tsai FY, et al. **AJNR** 1982 Mar–Apr;3(2):149–56
Maneuver to aid diagnosis of orbital varix by computed tomography. Winter J, et al. **AJNR** 1982 Jan–Feb; 3(1):39–40
Changes on computed cranial tomography with aging: intracranial fluid volume. Zatz LM, et al. **AJNR** 1982 Jan–Feb;3(1):1–11
Lipid granulomatosis causing lymph node enlargement: CT appearance. Allibone G, et al. **AJR** 1982 Apr;138(4):744–5
CT of neuroblastomas and ganglioneuromas in children. Armstrong EA, et al. **AJR** 1982 Sep;139(3):571–6
Retroperitoneal pulmonary sequestration: computed tomographic findings. Baker EL, et al. **AJR** 1982 May; 138(5):956–7
Comparison of pre- and postcontrast CT in hepatic masses. Berland LL, et al. **AJR** 1982 May;138(5):853–8
High resolution CT of thoracolumbar fractures. Brant-Zawadzki M, et al. **AJR** 1982 Apr;138(4):699–704
Follow-up of Wilms tumor: comparison of CT with other imaging procedures. Brasch RC, et al. **AJR** 1981 Nov; 137(5):1005–9
CT in retroperitoneal fibrosis. Brun B, et al. **AJR** 1981 Sep; 137(3):535–8
Computed tomography of the major salivary glands. Bryan RN, et al. **AJR** 1982 Sep;139(3):547–54
Computed tomography of gastric lymphoma. Buy JN, et al. **AJR** 1982 May;138(5):859–65
Computed tomographic mammography using a conventional body scanner. Chang CH, et al. **AJR** 1982 Mar;138(3):553–8

The contrast-detail curve controversy continues [letter] Cohen G, et al. **AJR** 1982 Jul;139(1):193–5
Dynamic CT scanning for visualization of the parasellar carotid arteries. Cohen WA, et al. **AJR** 1982 May; 138(5):905–9
CT of soft-tissue tumors. Egund N, et al. **AJR** 1981 Oct; 137(4):725–9
Deceptions in localizing extrahepatic right-upper-quadrant abdominal masses by CT. Frick MP, et al. **AJR** 1982 Sep; 139(3):501–4
CT of benign cystic teratomas. Friedman AC, et al. **AJR** 1982 Apr;138(4):659–65
Pineal region tumors: computed tomographic-pathologic spectrum. Futrell NN, et al. **AJR** 1981 Nov;137(5):951–6
Computed tomography of the trachea: normal and abnormal. Gamsu G, et al. **AJR** 1982 Aug;139(2):321–6
Triangulation: indirect CT guidance for abscess drainage. Gerzof SG. **AJR** 1981 Nov;137(5):1080–1
Nonfunctioning adrenal masses: incidental discovery on computed tomography. Glazer HS, et al. **AJR** 1982 Jul; 139(1):81–5
Lesser sac fluid in predicting the etiology of ascites: CT findings. Gore RM, et al. **AJR** 1982 Jul;139(1):71–4
Anterior left subphrenic abscess: characteristic plain film and CT appearance. Halvorsen RA, et al. **AJR** 1982 Aug; 139(2):283–9
CT appearance of focal fatty infiltration of the liver. Halvorsen RA, et al. **AJR** 1982 Aug;139(2):277–81
CT of intramural endometrial carcinoma: contrast enhancement is essential. Hamlin DJ, et al. **AJR** 1981 Sep; 137(3):551–4
Liver injury and complications in the postoperative trauma patient: CT evaluation. Haney PJ, et al. **AJR** 1982 Aug; 139(2):271–5
CT for pelvic fractures. Hansen ST Jr. **AJR** 1982 Mar; 138(3):592–3
CT of acetabular fractures: comparison with conventional radiography. Harley JD, et al. **AJR** 1982 Mar;138(3):413–7
CT and sonographic appearance of hepatic vein obstruction. Harter LP, et al. **AJR** 1982 Jul;139(1):176–8
Hip CT in congenital dislocation: appearance of tight iliopsoas tendon and pulvinar hypertrophy. Hernandez RJ, et al. **AJR** 1982 Aug;139(2):335–7
CT of intracardiac tumor. Hidalgo H, et al. **AJR** 1981 Sep; 137(3):608–9
Parapelvic cysts: appearance on CT and sonography. Hidalgo H, et al. **AJR** 1982 Apr;138(4):667–71
New intravesical contrast medium for CT: preliminary studies with arachis (peanut) oil. Hildell JG, et al. **AJR** 1981 Oct;137(4):777–80
Acute pancreatitis: clinical vs. CT findings. Hill MC, et al. **AJR** 1982 Aug;139(2):263–9
Significance of CT in head injury: correlation with intracranial pressure. Kishore PR, et al. **AJR** 1981 Oct; 137(4):829–33
Combined CT-arthrography in recurrent traumatic hip dislocation. Klein A, et al. **AJR** 1982 May;138(5):963–4
Liver lesions: comparative accuracy of scintigraphy and computed tomography. Knopf DR, et al. **AJR** 1982 Apr; 138(4):623–7
CT screening of the abdomen in von Hippel–Lindau disease. Levine E, et al. **AJR** 1982 Sep;139(3):505–10
Temporal bone: comparison of pluridirectional tomography and high resolution computed tomography. Littleton JT, et al. **AJR** 1981 Oct;137(4):835–45
Computed tomographic evaluation of primary osseous malignant neoplasms. Lukens JA, et al. **AJR** 1982 Jul; 139(1):45–8
CT of acetabular fractures: analysis of fracture patterns. Mack LA, et al. **AJR** 1982 Mar;138(3):407–12
Spontaneous rupture of hepatic and splenic angiosarcoma demonstrated by CT. Mahony B, et al. **AJR** 1982 May; 138(5):965–6
Dynamic CT of hepatic masses with intravenous and intraarterial contrast material. Moss AA, et al. **AJR** 1982 May;138(5):847–52
Preoperative CT evaluation of adrenal glands in non-small cell bronchogenic carcinoma. Nielsen ME Jr, et al. **AJR** 1982 Aug;139(2):317–20
Normal and pathologic CT anatomy of the mandible. Osborn AG, et al. **AJR** 1982 Sep;139(3):555–9
Computed tomography of the paraspinal musculature: normal and pathologic anatomy. Osborn AG, et al. **AJR** 1982 Jan; 138(1):93–8
Significance in statistical analysis of data [letter] Pagani JJ. **AJR** 1982 Jan;138(1):180–1
133xe uptake in focal hepatic fat accumulation: CT correlation. Patel S, et al. **AJR** 1982 Mar;138(3):541–4
Maturation of normal primate white matter: computed tomographic correlation. Quencer RM. **AJR** 1982 Sep; 139(3):561–8
CT detection of intraosseous gas: a new sign of osteomyelitis. Ram PC, et al. **AJR** 1981 Oct;137(4):721–3
Recognition of lumbar disk disease: comparison of myelography and computed tomography. Raskin SP, et al. **AJR** 1982 Aug;139(2):349–55
Blood–brain barrier: phenomenon of increasing importance to the imaging clinician. Sage MR. **AJR** 1982 May; 138(5):887–98 (170 ref.)
Vesicourachal diverticulum: CT diagnosis in two adults. Schnyder P, et al. **AJR** 1981 Nov;137(5):1063–5
CT of pelvic disorders in children. Siegel MJ, et al. **AJR** 1981 Dec;137(6):1139–43
Computed tomographic detection of retrocrural air. Silverman PM, et al. **AJR** 1982 May;138(5):825–7
Diagnostic imaging of acute pancreatitis: prospective study using CT and sonography. Silverstein W, et al. **AJR** 1981 Sep;137(3):497–502
The azygous arch: normal and pathologic CT appearance. Smathers RL, et al. **AJR** 1982 Sep;139(3):477–83
Effectiveness of CT in evaluating intrathoracic masses. Sones PJ Jr, et al. **AJR** 1982 Sep;139(3):469–75
Detection of orbital foreign bodies with computed tomography: current limits. Tate E, et al. **AJR** 1981 Sep; 137(3):493–5
Staging of testicular carcinoma: comparison of CT and lymphangiography. Thomas JL, et al. **AJR** 1981 Nov; 137(5):991–6
Limited CT studies in monitoring treatment of lymphoma. Thomas JL, et al. **AJR** 1982 Mar;138(3):537–9
CT of acetabular fractures: software and image display [letter] Toombs BD, et al. **AJR** 1982 Aug;139(2):416–7
Lipomatous tumors of the abdominal cavity: CT appearance and pathologic correlation. Waligore MP, et al. **AJR** 1981 Sep;137(3):539–45
High frequency CT findings within 24 hours after cerebral infarction. Wall SD, et al. **AJR** 1982 Feb;138(2):307–11
Prospective comparison between clinical and CT staging in primary cervical carcinoma. Walsh JW, et al. **AJR** 1981 Nov;137(5):997–1003
Computed tomographic demonstration of mediastinal venous anomalies. Webb WR, et al. **AJR** 1982 Jul;139(1):157–61
CT recognition of lateral lumbar disk herniation. Williams AL, et al. **AJR** 1982 Aug;139(2):345–7
Computed tomography of blow-out fracture of the medial orbital wall. Zilkha A. **AJR** 1981 Nov;137(5):963–5
Falx and interhemispheric fissure on axial CT: I. Normal anatomy. Zimmerman RD, et al. **AJR** 1982 May; 138(5):899–904
The CT-topography of retrobulbar anesthesia. Anatomic-clinical correlation of complications and suggestion of a modified technique. Unsöld R, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):125–36
Examination of alcoholics by computed tomographic (CT) scans: a critical review. Wilkinson DA. **Alcoholism (NY)** 1982 Winter;6(1):31–45
The emergence of computed tomography as a cardiovascular diagnostic technique. Brundage BH, et al. **Am Heart J** 1982 Feb;103(2):313–6
Computed tomography in the diagnosis of pericardial cyst. Kaimal KP. **Am Heart J** 1982 Apr;103(4 Pt 1):566–7
Diagnostic role of computed tomography in pericardial heart disease: congenital defects, thickening, neoplasms, and effusions. Moncada R, et al. **Am Heart J** 1982 Feb; 103(2):263–82 (105 ref.)
Cardiac computed tomography. Carlsson E, et al. **Am J Cardiol** 1982 Apr 1;49(5):1362–5
Determination of left ventricular mass by computed tomography. Skiöldebrand CG, et al. **Am J Cardiol** 1982 Jan;49(1):63–70
Assessment of abdominal fat content by computed tomography. Borkan GA, et al. **Am J Clin Nutr** 1982 Jul; 36(1):172–7
Computed tomography in purulent meningitis. Bodino J, et al. **Am J Dis Child** 1982 Jun;136(6):495–501
Evaluation of macrocrania using computed tomography. Donat JF. **Am J Dis Child** 1981 Dec;135(12):1118–21
Computed tomographic findings of neonatal lung abscess. Mayer T, et al. **Am J Dis Child** 1982 Jan;136(1):39–41
Neonates with seizures attributable to perinatal complications: computed tomographic evaluation. Ment LR, et al. **Am J Dis Child** 1982 Jun;136(6):548–50
Computed tomography in abscess or meningitis [letter] Tobin JD Jr, et al. **Am J Dis Child** 1982 Mar;136(3):279–80
Computed tomography in Crohn's disease. Berliner L, et al. **Am J Gastroenterol** 1982 Aug;77(8):548–53
Early diagnosis of pancreatic cancer--1982 [editorial] Dreiling DA. **Am J Gastroenterol** 1982 May;77(5):344–5
Diagnostic utility of sonography and computed tomography in spontaneous mesenteric hematoma. Raghavendra BN, et al. **Am J Gastroenterol** 1982 Aug;77(8):570–3
Computed tomography in two cases of hemophilic pseudotumors. Kitchens CS. **Am J Hematol** 1982 May; 12(3):277–80
The role of computed tomography in the evaluation of adult polycystic kidney disease. Levine E, et al. **Am J Kidney Dis** 1981 Sep;1(2):99–105
Diagnosis of pituitary tumors by hormone assays and computerized tomography. Valenta LJ, et al. **Am J Med** 1982 Jun;72(6):861–73
Plaque causing homonymous hemianopsia in multiple sclerosis identified by computed tomography. Beck RW, et al. **Am J Ophthalmol** 1982 Aug;94(2):229–34
Combined clinical and computed tomographic diagnosis of orbital lymphoid tumors. Yeo JH, et al. **Am J Ophthalmol** 1982 Aug;94(2):235–45
Computerized axial tomography in young autistic children. Campbell M, et al. **Am J Psychiatry** 1982 Apr;139(4):510–2
Schizophrenia and cerebral asymmetry detected by computed tomography. Luchins DJ, et al. **Am J Psychiatry** 1982 Jun; 139(6):753–7
Evaluation of unstable shoulders by computed tomography. A preliminary study. Danzig L, et al. **Am J Sports Med** 1982 May-Jun;10(3):138–41
Computed tomography in lung cancer. Friedman PJ. **Am J Surg** 1982 Jun;143(6):685–90
Role of ultrasonography, gallium scanning, and computed tomography in the diagnosis of intraabdominal abscess. Moir C, et al. **Am J Surg** 1982 May;143(5):582–5
Noninvasive assessment of the transplanted kidney: ultrasound vs. computerized tomography. Nghiem DD, et al. **Am Surg** 1981 Nov;47(11):492–4
Intracranial hypertension during surgery for supratentorial tumor: correlation with preoperative computed tomography scans. Bedford RF, et al. **Anesth Analg (Cleve)** 1982 May;61(5):430–3
Evaluation of big head in children--role of computerised tomography. Quak SH, et al. **Ann Acad Med Singapore** 1981 Oct;10(4):452–5
Sciatic pain from an aneurysm of the internal iliac artery. Soimakallio S, et al. **Ann Chir Gynaecol** 1982;71(3):172–4
Emergency presentation of subdural hematoma: a review of 85 cases diagnosed by computerized tomography. Vicario S, et al. **Ann Emerg Med** 1982 Sep;11(9):475–7
Nuclear medicine in clinical neurology: an update. Oldendorf WH. **Ann Neurol** 1981 Sep;10(3):207–13
Computerized tomography in subacute necrotizing encephalomyelopathy (Leigh disease). Schwartz WJ, et al. **Ann Neurol** 1981 Sep;10(3):268–71
Comparative study using computed tomographic thin-section zoom reconstructions and anatomic macrosections of the temporal lobe. Beatty CW, et al. **Ann Otol Rhinol Laryngol** 1981 Nov-Dec;90(6 Pt 1):643–9
Desmond fibromas in children. Kalifa G, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):25–33 **(Eng, Fre)**
The search for pulmonary metastases in pediatric patients: CT vs. conventional radiology. Smoger BR, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):47–53 **(Eng, Fre)**
Computed tomography and bone tumors in children. Tschäppeler H, et al. **Ann Radiol (Paris)** 1982 Jan; 25(1):19–24 **(Eng, Fre)**
Treatment of abdominal abscesses: comparative evaluation of operative drainage versus percutaneous catheter drainage guided by computed tomography or ultrasound. Johnson WC, et al. **Ann Surg** 1981 Oct;194(4):510–20
Strut fracture and disc embolization of a Björk-Shiley mitral valve prosthesis: localization of embolized disc by computerized axial tomography. Larrieu AJ, et al. **Ann Thorac Surg** 1982 Aug;34(2):192–5
X-ray computed tomography: from basic principles to applications. Robb RA. **Annu Rev Biophys Bioeng** 1982; 2:177–201
CT localization of stereotactic surgery. Boëthius J, et al. **Appl Neurophysiol** 1980;43(3–5):164–9
A fully interfaced computerized tomographic-stereotactic surgical system. Koslow M, et al. **Appl Neurophysiol** 1980; 43(3–5):174–5
Considerations for a CT-directed stereotactic surgical system. Koslow M, et al. **Appl Neurophysiol** 1982; 45(4–5):379–80
Stereotactic CT scan and its correlation with the neural activity of deep structures. Ohye C, et al. **Appl Neurophysiol** 1980;43(3–5):183–8
Technical and clinical aspects of CT-directed stereotaxis. Roberts TS, et al. **Appl Neurophysiol** 1980;43(3–5):170–1
Computerized tomography guided stereotaxis: a new approach. Rosenbaum AE, et al. **Appl Neurophysiol** 1980; 43(3–5):172–3
Stereotactic aspiration of deep cerebral abscesses after CT-directed labeling. Walsh PR, et al. **Appl Neurophysiol** 1980;43(3–5):205–9
Value of computerised tomography in children with non-specific mental subnormality. Lingam S, et al. **Arch Dis Child** 1982 May;57(5):381–3
Structural brain deficits in schizophrenia. Identification by computed tomographic scan density measurements. Golden CJ, et al. **Arch Gen Psychiatry** 1981 Sep;38(9):1014–7
Spontaneous regression of a postpartum pituitary mass demonstrated by computed tomography. Zeller JR, et al. **Arch Intern Med** 1982 Feb;142(2):373–4
Cerebral vein thrombosis and multiple intracranial hemorrhages by computed tomography. Beal MF, et al. **Arch Neurol** 1982 Jul;39(7):437–8
Computed tomography in dural sinus thrombosis. Brant-Zawadzki M, et al. **Arch Neurol** 1982 Jul;39(7):446–7
Capsular ataxic hemiparesis. Iragui VJ, et al. **Arch Neurol** 1982 Aug;39(8):528–9
Computed cranial tomography in congenital rubella syndrome. Ishikawa A, et al. **Arch Neurol** 1982 Jul; 39(7):420–1
Computed tomographic visualization of extensive calcinosis in a patient with idiopathic familial basal ganglia calcification [letter] Kuroiwa Y, et al. **Arch Neurol** 1982 Sep;39(9):603
Metrizamide myelography combined with computed tomography in adrenomyeloneuropathy [letter] Martin JJ, et al. **Arch Neurol** 1982 Aug;39(8):530
Diagnosis of thrombotic giant basilar artery aneurysm on computed tomographic scan. Naheedy MH, et al. **Arch Neurol** 1982 Jan;39(1):64–5
Computed tomography and EEG in patients without focal neurologic findings. Rosenberg CE, et al. **Arch Neurol** 1982 May;39(5):291–2
Computed tomography in Wilson's disease. Selekler K, et al. **Arch Neurol** 1981 Nov;38(11):727–8

Pick's disease. A clinical, computed tomographic, and histologic study with golgi impregnation observations. Wechsler AF, et al. **Arch Neurol** 1982 May;39(5):287–90

Lacunar infarcts: clinical and computed tomographic correlations. Weisberg LA. **Arch Neurol** 1982 Jan; 39(1):37–40

Synovial cell sarcoma of the temporomandibular joint. Computed tomographic findings. DelBalso AM, et al. **Arch Otolaryngol** 1982 Aug;108(8):520–2

Value of computed axial tomography in severe laryngeal injury. Maceri DR, et al. **Arch Otolaryngol** 1982 Jul; 108(7):449–51

Computed tomography in frontal sinus fractures. Noyek AM, et al. **Arch Otolaryngol** 1982 Jun;108(6):378–9

Computerized tomography and rehabilitation outcome after severe head trauma. Timming R, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):154–9

Computed tomography in blunt abdominal trauma. Federle MP, et al. **Arch Surg** 1982 May;117(5):645–50

Computed tomographic diagnosis of acute aortoiliac catastrophes. Lineaweaver WC, et al. **Arch Surg** 1982 Aug; 117(8):1095–7

The totally occluded internal carotid artery. Preliminary observations using rapid sequential computerized tomographic scanning. Riles TS, et al. **Arch Surg** 1982 Sep; 117(9):1185–8

Use of titanium surgical clips to avoid artifacts seen on computed tomography. Saxe AW, et al. **Arch Surg** 1982 Jul;117(7):978–9

Precise diagnosis of aortic anastomotic aneurysm by computed tomographic scan. Taylor LM Jr, et al. **Arch Surg** 1981 Sep;116(9):1209–11

Pituitary gland CT. Clark ET. **Ariz Med** 1981 Oct; 38(10):763–4

Computed tomography in the diagnosis of lumbosacral disc herniation. Hanson RD. **Ariz Med** 1981 Nov;38(11):839–42

Computed tomography in the diagnosis of sacroiliitis. Kozin F, et al. **Arthritis Rheum** 1981 Dec;24(12):1479–85

The impact of computerized tomography of the brain. Perrett LV. **Aust Fam Physician** 1981 Jul;10(7):568–72

Mass spectrometric measurement of end-tidal xenon concentration for clinical stable xenon/computerized tomography cerebral blood flow studies. Dhawan V, et al. **Biomed Mass Spectrom** 1982 Jun;9(6):241–5

Computed tomography in the management of orbital infections associated with dental disease. Flood TP, et al. **Br J Ophthalmol** 1982 Apr;66(4):269–74

Computed tomography and the outcome of affective disorder: a follow-up study of elderly patients. Jacoby RJ, et al. **Br J Psychiatry** 1981 Oct;139:288–92

Has CT scanning a role to play in radiotherapy planning? Computer dose calculations. Badcock PC. **Br J Radiol** 1982 Jun;55(654):434–7

The role of abdominal computed tomography in lymphoma following treatment. Blackledge G, et al. **Br J Radiol** 1981 Nov;54(647):955–60

Scattered radiation distributions around computed tomography scanners and the associated radiation hazard to personnel. Faulkner K, et al. **Br J Radiol** 1982 Jan; 55(649):70–2

Computed tomography in the diagnosis of parotid gland tumours. Golding S. **Br J Radiol** 1982 Mar;55(651):182–8

CT brain scans: part of a 20-year development study following gross undernutrition during infancy. Handler LC, et al. **Br J Radiol** 1981 Nov;54(647):953–4

Computerized tomography versus angiography in the staging of malignant renal neoplasm. Probst P, et al. **Br J Radiol** 1981 Sep;54(645):744–53

Radiation dosimetry survey of computed tomography systems from ten manufacturers. Shope TB, et al. **Br J Radiol** 1982 Jan;55(649):60–9

An evaluation of CT systems from ten manufactures. Speller RD, et al. **Br J Radiol** 1981 Dec;54(648):1053–61

Effect of window width and viewing distance in CT display. Warren RC, et al. **Br J Radiol** 1982 Jan;55(649):72–4

Initial findings in the computer-aided diagnosis of cerebral tumours using CT scan results. Wills K, et al. **Br J Radiol** 1981 Nov;54(647):948–52

Computed tomography in staging of carcinoma of the urinary bladder. Vock P, et al. **Br J Urol** 1982 Apr;54(2):158–63

Availability of computed tomography for the management of head injuries in England and Wales. Baker IA. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):487–9

Computed tomography of the body: when should it be used? Husband JE, et al. **Br Med J [Clin Res]** 1982 Jan 2; 284(6308):4–8 (49 ref.)

Comparison between emission and transmission computed tomography of the liver. Khan O, et al. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1212–4

Value of computed tomography of the abdomen and chest in investigation of Cushing's syndrome. White FE, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):771–4

Computerized tomography of the brain in chronic alcoholism: a Survey and follow-up study. Ron MA, et al. **Brain** 1982 Sep;105 (Pt 3):497–514

Wilson's disease. An analysis of the cranial computerized tomographic appearances found in 60 patients and the changes in response to treatment with chelating agents. Williams FJ, et al. **Brain** 1981 Dec;104(Pt 4):735–52

Pitfalls in posterior fossa CT scanning: an illustrative case report. Saunders FW, et al. **Can J Neurol Sci** 1981 May; 8(2):155–7

The computerized tomographic assessment of brain infarcts. Tubman DE, et al. **Can J Neurol Sci** 1981 May;8(2):121–6

Computerized axial tomography to demonstrate occult fractures of the acetabulum in children. Harder JA, et al. **Can J Surg** 1981 Jul;24(4):409–11

Imaging of the pelvic contents in the female oncologic patient. Bernardino ME, et al. **Cancer** 1981 Jul 15;48(2 Suppl):504–10

Radiotherapy planning using computed tomography. Breit A, et al. **Cancer** 1981 Sep 15;48(6):1341–5

Abdominal computed tomography in small cell lung cancer: assessment of extent of disease and response to therapy. Ihde DC, et al. **Cancer** 1982 Apr 1;49(7):1485–90

Case report of non-Hodgkin's lymphoma involving the lacrimal glands demonstrated by computed tomography. Kniskern JA, et al. **Cancer** 1981 Dec 15;48(12):2710–1

Computed tomography of malignant tumors of the nasal cavity and paranasal sinuses. Kondo M, et al. **Cancer** 1982 Jul 15;50(2):226–31

Computed tomography-guided percutaneous drainage of right upper abdominal abscesses. Kleinhaus U, et al. **Cardiovasc Intervent Radiol** 1982;5(1):8–13

Computed tomography – guided removal of an osteoid osteoma: a case report. Levy JM, et al. **Cardiovasc Intervent Radiol** 1982;5(1):14–5

Computer graphic display of cardiac CT scans. Palmer R, et al. **Cardiovasc Intervent Radiol** 1982;5(2):97–104

CT diagnosis of venous pseudotumors in the chest and abdomen. Wolverson MK, et al. **Cardiovasc Intervent Radiol** 1981;4(3):151–7

Computed tomography vs standard radiology in the evaluation of mediastinal adenopathy. Moak GD, et al. **Chest** 1982 Jul;82(1):69–75

Computed tomography of the thorax: a status report. Pugatch RD, et al. **Chest** 1981 Nov;80(5):618–26

Computed tomography of the thorax an important new diagnostic tool [editorial] Snider GL. **Chest** 1981 Nov; 80(5):527–9

Diagnosis of pericardial effusion by computed tomography. Wong BY, et al. **Chest** 1982 Feb;81(2):177–81

Computed tomography in von Recklinghausen's disease. Maki Y, et al. **Childs Brain** 1981;8(6):452–60

Computerized axial tomography of the chest for visualization of 'absent' pulmonary arteries. Sondheimer HM, et al. **Circulation** 1982 May;65(5):1020–5

Correlation of evoked potentials (SEP and VEP), EEG and CT in the diagnosis of brain tumors and cerebrovascular diseases. Niazy HM, et al. **Clin Electroencephalogr** 1982 Apr;13(2):71–81

Practical aspects of radiotherapy planning with computed tomography. Battista JJ, et al. **Clin Invest Med** 1981; 4(1):5–11

Clinical significance of basal ganglia calcifications detected by ct (a retrospective study of 33 cases). Vles JS, et al. **Clin Neurol Neurosurg** 1981;83(4):253–6

Computed tomography vs. angiography in the diagnosis of intracranial neoplasms. Handel SF. **Clin Neurosurg** 1981; 28:502–19

CT monitoring of chemotherapeutic agent delivery after osmotic blood brain barrier disruption. Neuwelt EA. **Clin Neurosurg** 1981;28:520–31

The evolution of a brain abscess the complementary roles of radionuclide (RN) and computed tomography (CT) scans. Masucci EF, et al. **Clin Nucl Med** 1982 Apr; 7(4):166–70

Radionuclide imaging in the era of computed tomography. Maynard CD. **Clin Nucl Med** 1981 Oct;6(10S):P99–102

Computed tomography in degenerative spinal stenosis. McAfee PC, et al. **Clin Orthop** 1981 Nov–Dec;(161):221–34

Computed tomography in spondylolisthesis. McAfee PC, et al. **Clin Orthop** 1982 Jun;(166):62–71

The role of computerized tomography scan in preoperative evaluation of the adult dislocated hip. Mendes DG. **Clin Orthop** 1981 Nov–Dec;(161):198–202

The role of computed tomography in the management of osteochondral grafts. Roffman M, et al. **Clin Orthop** 1982 Jun;(166):112–6

Myositis ossificans: radiologic evaluation of two cases with diagnostic computed tomograms. Zeanah WR, et al. **Clin Orthop** 1982 Aug;(168):187–91

Computed tomography in carcinoma of the larynx and piriform sinus. Sökjer H, et al. **Clin Otolaryngol** 1981 Oct; 6(5):335–43

Complete recovery from an apparent brain abscess treated without neurosurgery. The importance of early CT scanning. Spirer Z, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):106–8

Demonstration of septa in cystic lesions: comparison study by computed tomography and ultrasound. Araki T, et al. **Clin Radiol** 1982 May 3;33(3):325–9

Using the CT-scanner to explore and circumnavigate current inadequacies in radiotherapy planning. Badcock PC. **Clin Radiol** 1982 Jan;33(1):91–4

Normal axial anatomy of the hip as demonstrated by computed tomography. Dubowitz B, et al. **Clin Radiol** 1981 Nov;32(6):663–8

Computed tomography in pulmonary emphysema. Goddard PR, et al. **Clin Radiol** 1982 Jul;33(4):379–87

The effects of CT scanning on staging of tumours of the paranasal sinuses. Jeans WD, et al. **Clin Radiol** 1982 Mar; 33(2):173–9

Computed tomography in the radiology of testicular teratomas. Katz D, et al. **Clin Radiol** 1981 Nov;32(6):679–82

Computed tomography in the assessment of malignant mesothelioma of the pleura. Law MR, et al. **Clin Radiol** 1982 Jan;33(1):67–70

Computed tomography in ovarian carcinoma: patterns of disease and limitations. Mamtora H, et al. **Clin Radiol** 1982 Mar;33(2):165–71

Computed tomography of intracranial lymphoma. Thomas M, et al. **Clin Radiol** 1982 May 3;33(3):331–6

Computed tomography of the normal and abnormal superior sagittal sinus. Zilkha A, et al. **Clin Radiol** 1982 Jul; 33(4):415–25

Prolonged survival with good functional recovery in 3 patients with computed tomographic evidence of brain stem hemorrhage. Bryan R, et al. **Comput Radiol** 1982 Jan–Feb;6(1):43–8

Demonstration of choledochal cyst by computed tomography. Cholankeril JV, et al. **Comput Radiol** 1982 Mar–Apr;6(2):109–14

Evaluation of abdominal fistulas with computed body tomography (CT). Frick MP, et al. **Comput Radiol** 1982 Jan–Feb;6(1):17–25

Computed tomography of gliomatosis cerebri. Hayek J, et al. **Comput Radiol** 1982 Mar–Apr;6(2):93–8

Malrotation of small bowel simulating a neoplastic mass in the right upper quadrant. Hoyt TS. **Comput Radiol** 1982 Jan–Feb;6(1):27–9

A case of hydatid cyst ruptured towards the biliary tract and diagnosed with computerized tomography. Kelekis L, et al. **Comput Radiol** 1982 Mar–Apr;6(2):119–23

Computed tomography in tuberculosis of the spine. Maritz NG, et al. **Comput Radiol** 1982 Jan–Feb;6(1):1–5

Computerized tomography of malignant pleural mesothelioma with spinal canal invasion. Mikhael MA, et al. **Comput Radiol** 1982 Jan–Feb;6(1):11–5

Breast cancer metastasizing to the spleen seen on computerized tomography. Newmark H 3d. **Comput Radiol** 1982 Jan–Feb;6(1):53–5

Paget's disease of a vertebral body seen on computerized tomography. Newmark H 3d. **Comput Radiol** 1982 Jan–Feb; 6(1):7–9

Abdominal and pelvic abscesses: computed tomography diagnosis. Parikh SJ, et al. **Comput Radiol** 1982 Mar–Apr; 6(2):99–108

CT demonstration of scirrhous carcinoma of stomach: a case report. Phatak MG, et al. **Comput Radiol** 1982 Jan–Feb; 6(1):31–3

Mesenchymoma of the skull. Puljic S, et al. **Comput Radiol** 1982 Jan–Feb;6(1):49–51

Normal CT in children. Takao T, et al. **Comput Radiol** 1982 Mar–Apr;6(2):63–7

Computed tomography and stroke edema: case report with an analysis of water in acute infarction. Torack RM. **Comput Radiol** 1982 Jan–Feb;6(1):35–41

Cerebellar hemorrhage in adults. Clinical and computerized tomographic findings. Weisberg LA. **Comput Radiol** 1982 Mar–Apr;6(2):75–81

Computed tomography in peptic ulcer: a preliminary report. Coin CG, et al. **Comput Tomogr** 1981 Jul–Sep;5(3):225–30

Computed tomography of epidural metastatic neuroblastoma. Ganti SR, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):287–91

Computed tomographic demonstration of enlarged, ectatic basilar artery associated with obstruction of the anterior third ventricle. Healy JF, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):239–45

Computed tomography in patients with homonymous visual field defects--A. Clinico-radiologic correlation. Kattah JC, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):301–12

The value of computed tomography in the follow-up study of lung cancer and mediastinal tumors. Kono M, et al. **Comput Tomogr** 1981 Jul–Sep;5(3):169–89

Cervicothoracic complications of intravenous drug abuse. Merhar GL, et al. **Comput Tomogr** 1981 Oct–Dec; 5(4):271–82

An osteocartilaginous hamartoma of the neck seen on computerized tomography. Newmark H 3d, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):283–5

Computed tomography in nonketotic hyperglycinemia. Valavanis A, et al. **Comput Tomogr** 1981 Oct–Dec; 5(4):265–70

Contrast enhancement visualized by computerized tomography in acute multiple sclerosis. Weisberg L. **Comput Tomogr** 1981 Oct–Dec;5(4):293–300

Atherosclerotic deformation of the basilar artery as visualized by computerized tomography. Weisberg L. **Comput Tomogr** 1981 Oct–Dec;5(4):247–53

Direct visualization of intracranial aneurysms by computed tomography. Weisberg L. **Comput Tomogr** 1981 Jul–Sep; 5(3):191–9

Computed tomographic scanning of the brain, sponsored by the National Institute of Neurological and Communicative Disorders and Stroke assisted by the Office for Medical Applications of Research, NIH. **Conn Med** 1982 Jun; 46(6):335–9

Computed tomography of musculoskeletal tumors. Levine E. **CRC Crit Rev Diagn Imaging** 1981;16(4):279–309 (30 ref.)

X-ray computed tomography: an engineering synthesis of multiscientific principles. Robb RA. **Crit Rev Biomed Eng** 1982;7(4):265–333 (178 ref.)

The computed tomographic appearance of colloid cysts. Akkaraju V, et al. **CT** 1982 Apr;6(1):26–9

Body computed tomography in the evaluation of pediatric malignancy. Amendola MA, et al. **CT** 1981 Aug;5(3):219–28
CT scanning in the male genital tract and in recurrent rectal carcinoma: a review. Asbell SO. **CT** 1981 Aug;5(3):244–55
The value of computed tomography in radiation therapy. Barrett A, et al. **CT** 1981 Aug;5(3):217–8
Hepatoma presenting as a cerebellar metastasis. Brunner DR, et al. **CT** 1982 Apr;6(1):65–8
CT-guided biopsy: a simplified approach. Costello P, et al. **CT** 1982 Apr;6(1):40–2
CT scanning and interstitial therapy. Elkon D, et al. **CT** 1981 Aug;5(3):268–72
Computed tomography in the evaluation of chest lesions in the pediatric patient. Ginaldi S, et al. **CT** 1981 Dec; 5(6):511–8
Thickened renal fascia—a sign of retroperitoneal pathology. Hadar H, et al. **CT** 1981 Jun;5(2):193–8
CT findings in chronic post-thrombotic obstruction of the inferior vena cava. Hadar H, et al. **CT** 1982 Apr;6(1):11–6
Positive and negative contrast agents in CT evaluation of the abdomen and pelvis. Hamlin DJ, et al. **CT** 1981 Jun; 5(2):82–90
CT, including sagittal and coronal reconstruction, in the evaluation of pancoast tumors. Hamlin DJ, et al. **CT** 1982 Apr;6(1):43–50
Basal ganglia calcification in the neonate. Haney PJ, et al. **CT** 1982 Apr;6(1):51–6
Posterior fossa inflammation resulting from contiguous mastoid disease demonstrated by computerized tomography. Healy JF. **CT** 1981 Jun;5(2):202–6
Computed tomography of orbital trauma. Healy JF. **CT** 1982 Apr;6(1):1–10
Evaluation of retroperitoneal liposarcoma with computed tomography. Kreel L, et al. **CT** 1981 Jun;5(2):111–6
CT appearances of celiac axis occlusion with mesenteric steal syndrome—a case report. Kreel L, et al. **CT** 1982 Apr; 6(1):22–5
CT appearance of adrenal myelolipoma. Lamki N, et al. **CT** 1982 Apr;6(1):30–1
The role of CT scanning in patients with cancer of the breast, cervix, and endometrium. Mansfield CM, et al. **CT** 1981 Aug;5(3):236–43
Computerized tomography of a large retroperitoneal liposarcoma. Messmer JM. **CT** 1981 Jun;5(2):118–20
CT appearance of intracranial hemangiopericytoma. Mikhael MA, et al. **CT** 1982 Apr;6(1):32–4
Use of computerized tomography in dose calculations for radiation treatment planning. Mohan R, et al. **CT** 1981 Aug; 5(3):273–82 (20 ref.)
The anomalous left renal vein: CT appearance and clinical implications. Parikh SJ, et al. **CT** 1981 Dec;5(6):529–33
CT demonstration of spontaneous internal drainage of a pancreatic pseudocyst. Petruschak MJ Jr, et al. **CT** 1981 Dec;5(6):534–6
Diagnosis through imaging: generation, detection, and classification. Potsaid MS. **CT** 1981 Jun;5(2):77–80
Computed tomography in chest diseases. Raval B, et al. **CT** 1981 Jun;5(2):91–7
CT evaluation of the prune belly syndrome. Reinig JW, et al. **CT** 1981 Dec;5(6):548–9
Computed tomography in the management of head and neck cancer. Sagerman RH, et al. **CT** 1981 Aug;5(3):229–35 (13 ref.)
The role of computed tomography in the diagnosis and management of brain tumors. Salazar OM, et al. **CT** 1981 Aug;5(3):256–67 (47 ref.)
Application of computed tomography in differential diagnosis of radiographic opacities in the lower thorax and upper abdomen. Shin MS, et al. **CT** 1981 Dec;5(6):519–28
CT demonstration of wandering basilar artery: a case report. Spira R. **CT** 1981 Dec;5(6):550–1
Noninvasive diagnosis of a false left ventricular aneurysm. Stanley JH, et al. **CT** 1982 Apr;6(1):17–21
CT demonstration of cervical spinal cord compression—cause of reversible itching and burning in the lower extremities. Ulicny TL, et al. **CT** 1982 Apr; 6(1):57–60
The Carman-Kirklin ulcer revisited: computed tomographic correlation. Widder DJ, et al. **CT** 1982 Apr;6(1):61–4
Prospects of computed tomography in radiation therapy. Wizenberg MJ. **CT** 1981 Aug;5(3):283–7
CT detection of subarachnoid pneumocephalus secondary to mastoid fracture. Woodrow PK, et al. **CT** 1981 Jun; 5(2):199–201
Ultrasonography and computed tomography of retroperitoneal liposarcoma. Yiu-Chiu V, et al. **CT** 1981 Jun;5(2):98–109
The assessment of abdominal and pelvic neoplasia: the impact of ct. Gore RM, et al. **Curr Probl Surg** 1982 Sep; 19(9):493–552 (141 ref.)
Improved survival of patients with glioma in the CT era. Miles I, et al. **Diagn Imaging** 1981;50(6):313–20
In vivo diagnosis of massive hepatic infarction by computed tomography. Dammann HG, et al. **Dig Dis Sci** 1982 Jan; 27(1):73–9
Neuroradiological correlates of frontally predominant intermittent rhythmic delta activity (FIRDA). Fariello RG, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):194–202
Correlations between CT scan and sensorimotor EEG rhythms in patients with cerebrovascular disorders. Pfurtscheller G, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):473–85
CT measurements of mesial temporal lobe herniation in epileptics. Bolender NF, et al. **Epilepsia** 1982 Aug; 23(4):409–16
A computed tomographic assessment of maxillary movement induced by rapid expansion – a pilot study. Timms DJ, et al. **Eur J Orthod** 1982 May;4(2):123–7
Computed tomographic demonstration of venous thrombosis of different etiologies. Allgayer B, et al. **Eur J Radiol** 1981 Aug;1(3):204–6
CT diagnosis of aortic graft infections. Allgayer B, et al. **Eur J Radiol** 1982 Feb;2(1):31–2
Indication for, and valuation of computed tomography following anterior resection of the rectum. Bauer WM, et al. **Eur J Radiol** 1982 Feb;2(1):35–7
The accuracy of CT-determined femoral neck anteversion. Bjersand AJ, et al. **Eur J Radiol** 1982 Feb;2(1):1–4
Correlations between breaking load and CT absorption values of vertebral bodies. Brassow F, et al. **Eur J Radiol** 1982 May;2(2):99–101
Computed tomography of the adrenal glands. Buck J, et al. **Eur J Radiol** 1982 Feb;2(1):52–9
Computerized tomography in acute mediastinitis. de Graaff CS, et al. **Eur J Radiol** 1981 May;1(2):180–3
Computerized tomography in typical hyperostosis cranii (THC). Dihlmann W. **Eur J Radiol** 1981 Mar;1(1):2–8
Percutaneous aspiration of an occult splenic and perisplenic hematoma with computed tomography. Dondelinger R, et al. **Eur J Radiol** 1981 Nov;1(4):332–4
Computed tomography in space-occupying lesions in the thoracic area. Felix R, et al. **Eur J Radiol** 1981 Nov; 1(4):345–7
Computed tomography of pharyngo-laryngeal carcinoma. Feuerbach S, et al. **Eur J Radiol** 1982 May;2(2):105–8
CT examination of the spine and the spinal canal. Friedmann G, et al. **Eur J Radiol** 1982 Feb;2(1):60–5 (23 ref.)
Pathology of the adrenal glands. Common and uncommon findings in computed tomography. Hauser H, et al. **Eur J Radiol** 1981 Aug;1(3):215–26
Arterio-portal fistula diagnosed by computerized tomography (CT). Höiem L, et al. **Eur J Radiol** 1981 Mar; 1(1):57–9
Attenuation and contrast enhancement of gynecologic organs and tumors in CT. Kormano MJ, et al. **Eur J Radiol** 1981 Nov;1(4):307–11
Computed tomography in a new type of acinar cell tumour of the pancreas: the solid acinar cell tumour with cystic degeneration. Lingg G, et al. **Eur J Radiol** 1981 Aug; 1(3):232–5
The CT appearance of the superior intercostal veins. Lund G. **Eur J Radiol** 1982 May;2(2):122–4
Computed tomography of appendiceal mucocele and peritoneal pseudomyxoma. Lund G, et al. **Eur J Radiol** 1982 Feb;2(1):88–9
An neurotensinoma of the head of the pancreas. Demonstration by ultrasound and computed tomography. Maier W, et al. **Eur J Radiol** 1982 May;2(2):125–7
Dysphagia lusoria: anomalous origin of the right subclavian artery. Demonstration by computed tomography. Maier W. **Eur J Radiol** 1981 Aug;1(3):229–31
Computed tomography in the diagnosis of prolapsed intervertebral disc. Nebel G, et al. **Eur J Radiol** 1981 May; 1(2):158–62
CT findings in subacute perforation of the gallbladder: report on 5 cases. Pedrosa CS, et al. **Eur J Radiol** 1981 May; 1(2):137–42
Evaluation of the cruciate ligaments by CT. Reiser M, et al. **Eur J Radiol** 1981 Mar;1(1):9–15
Computed tomography of pulmonary thromboembolism. Sinner WN. **Eur J Radiol** 1982 Feb;2(1):8–13
Computed tomography (CT) evaluation in pulmonary sarcoidosis. Stiris MG, et al. **Eur J Radiol** 1981 Mar; 1(1):16–9
Computed tomography in the investigation of leg edema following arterial reconstructions. Stranden E, et al. **Eur J Radiol** 1982 May;2(2):113–6
The 'ghost tail' of the pancreas in ultrasonography. Suramo I, et al. **Eur J Radiol** 1982 May;2(2):139–40
CT-scan: a diagnostic proof for pelvic lipomatosis. zur Nedden D, et al. **Eur J Radiol** 1982 May;2(2):128–9
Electroencephalographic and cranial computed tomographic findings in children with hemiplegic cerebral palsy. Ito M, et al. **Eur Neurol** 1981;20(4):312–8
Computed tomography findings in the diagnosis of idiopathic retroperitoneal fibrosis: report of four cases. Polito M, et al. **Eur Urol** 1982;8(4):231–5
Comparison between laparoscopy, ultrasonography, and computed tomography in widespread and localized liver diseases. Mansi C, et al. **Gastrointest Endosc** 1982 May; 28(2):83–5
Computed tomography of gastrointestinal leiomyosarcoma. Clark RA, et al. **Gastrointest Radiol** 1982;7(2):127–9
Pseudomass of the left upper quadrant from inversion of the left hemidiaphragm: CT diagnosis. Dallemand S, et al. **Gastrointest Radiol** 1982;7(1):57–9
Direct metastatic spread of right colonic adenocarcinoma to duodenum—barium and computed tomographic findings. Diamond RT, et al. **Gastrointest Radiol** 1981; 6(4):339–41
Concentration and excretion of contrast agents during oral cholecystography as measured by computed tomography in dogs. Hunter TB, et al. **Gastrointest Radiol** 1981; 6(4):349–52
Computed tomography of carcinoma in the pancreatic head. Inamoto K, et al. **Gastrointest Radiol** 1981;6(4):343–7
Computed tomography of intraperitoneal abscesses. Schneekloth G, et al. **Gastrointest Radiol** 1982;7(1):35–41
The 'string sign' on computerized tomography. Schnur MJ, et al. **Gastrointest Radiol** 1982;7(1):43–6
Low-density stone of the gallbladder on computed tomography. Suzuki M, et al. **Gastrointest Radiol** 1982; 7(1):65–7
Abdominopelvic computed tomography in the preoperative evaluation of early cervical cancer. Grumbine FC, et al. **Gynecol Oncol** 1981 Dec;12(3):286–90
The use of computerized tomography to obviate celiotomy in recurrent carcinoma of the cervix. Walton LA, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):166–76
Paranasal sinus radiology, part IA: introduction andthe frontal sinuses. Dolan KD. **Head Neck Surg** 1982 Mar-Apr; 4(4):301–11
Computed tomography of the normal larynx. Friedman WH, et al. **Head Neck Surg** 1979 May-Jun;1(5):435–40
Computed tomography of the nose. Osborn AG, et al. **Head Neck Surg** 1982 Jan-Feb;4(3):182–99
Temporal bone anatomy: comparison of computed tomography and complex motion tomography. Shaffer KA, et al. **Head Neck Surg** 1982 Mar-Apr;4(4):296–300
The case of the pancreatic pseudocyst. Seaman WB. **Hosp Pract** 1981 Sep;16(9):24–5
Report lauds brain scan's record, says CTs needed in more hospitals. **Hospitals** 1982 May 1;56(9):55
A natural pixel decomposition for two-dimensional image reconstruction. Buonocore MH, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):69–78
Rapid execution of fan beam image reconstruction algorithms using efficient computational techniques and special-purpose processors. Gilbert BK, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):98–116
A new CT collimator for producing two simultaneous overlapping slices from one scan. Kwoh YS, et al. **IEEE Trans Biomed Eng** 1981 Sep;28(9):664–7
Towards imaging the beating heart usefully with a conventional CT scanner. Mc Kinnon GC, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):123–7
A framework for spectral artifact corrections in x-ray CT. Stonestrom JP, et al. **IEEE Trans Biomed Eng** 1981 Feb; 28(2):128–41
Treatment planning with CAT scanning for prostatic carcinoma. Lee MS, et al. **IMJ** 1981 Dec;160(6):429–31
The use of the CAT scanner in the management of patients with head injury transferred to the regional neurosurgical unit. Jeffreys RV, et al. **Injury** 1982 Mar;13(5):370–4
Computerized tomography scanning and the planning of high-dose radiotherapy for pleural mesothelioma: a report of five patients. Bricout PB, et al. **Int J Radiat Oncol Biol Phys** 1981 Jun;7(6):821–6
Role of computed tomography in the evaluation and management of carcinoma of the prostate. Giri PG, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):283–7
Computed tomography in definitive radiotherapy of prostatic carcinoma, part 2: definition of target volume. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb; 8(2):235–9
Value of multi-planar CT images in interactive dosimetry planning of intracavitary therapy. Sewchand W, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):295–301
CT scanning versus myelography in the diagnosis of lumbar stenosis. A preliminary report. Postacchini F, et al. **Int Orthop** 1981;5(3):209–15
CT-determined canine kidney and urine iodine concentration following intravenous administration of sodium diatrizoate, metrizamide, iopamidol, and sodium ioxaglate. Brennan RE, et al. **Invest Radiol** 1982 Jan-Feb;17(1):95–100
Contrast enhancement dynamic CT measurements and a mathematical model. Cassel DM, et al. **Invest Radiol** 1982 Jan-Feb;17(1):82–9
Abdominal trauma: the role and impact of computed tomography. Federle MP. **Invest Radiol** 1981 Jul-Aug; 16(4):260–8 (42 ref.)
Successful identification of oligemic lung by transmission computed tomography after experimentally produced acute pulmonary arterial occlusion in the dog. Grossman ZD, et al. **Invest Radiol** 1981 Jul-Aug;16(4):275–80
A computed tomographic study of the dog lung during hemorrhagic shock and after resuscitation. Hedlund LW, et al. **Invest Radiol** 1981 Nov-Dec;16(6):466–72
CT determination of renal and hepatic microvascular volumes in experimental acute renal failure. Hillman BJ, et al. **Invest Radiol** 1982 Jan-Feb;17(1):41–5
The nephrogram in acute renal failure [letter] Ishikawa I. **Invest Radiol** 1982 Mar-Apr;17(2):194
Time-density evaluation of the liver after iosulamide meglumine: a tissue-specific CT contrast agent. Marincek B, et al. **Invest Radiol** 1982 Jan-Feb;17(1):90–4
Use of the computed tomographic whole body scanner to stage and follow patients with advanced ovarian carcinoma. Whitley N, et al. **Invest Radiol** 1981 Nov-Dec;16(6):479–86
First CT findings in the Kleine-Levin-Critchley syndrome. Argenta G, et al. **Ital J Neurol Sci** 1981 Jan;2(1):77–9
CT and EEG investigations in 100 patients with multiple sclerosis (MS). Quattrini A, et al. **Ital J Neurol Sci** 1981 Jan;2(1):25–34

The site of motor corticospinal fibres in the internal capsule of man. A computerised tomographic study of restricted lesions. Tredici G, et al. **J Anat** 1982 Mar;134 (Pt 2):199–208

Computed tomography in congenital hip dislocation. The role of acetabular anteversion. Browning WH, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):27–31

Pitfalls in the use of computed tomography for musculoskeletal tumors in children. Jones ET, et al. **J Bone Joint Surg [Am]** 1981 Oct;63A(8):1297–304

High–resolution computerised tomography in clinical orthopaedics. Reis ND, et al. **J Bone Joint Surg [Br]** 1982; 64(1):20–4

Thoracic fatty lesions – some usual and unusual appearances. Chalaoui J, et al. **J Can Assoc Radiol** 1981 Dec; 32(4):197–201

Computed tomography of sellar and parasellar lesions: indications for metrizamide cisternography. Chui M, et al. **J Can Assoc Radiol** 1982 Jun;33(2):84–8

Computed tomography versus myelography in diagnosis of lumbar disc herniation. Tchang SP, et al. **J Can Assoc Radiol** 1982 Mar;33(1):15–20

The in vivo autoradiographic measurement of regional cerebral blood flow using stable xenon and computerized tomography: the effect of tissue heterogeneity and computerized tomography noise. Rottenberg DA, et al. **J Cereb Blood Flow Metab** 1982;2(2):173–8

Cruveilhier–Baumgarten disease: a case report emphasizing the diagnostic value of CT scanning and angiography. Goto A, et al. **J Clin Gastroenterol** 1982 Feb;4(1):59–62

Pathological evaluation of computed tomography images of lungs. Coddington R, et al. **J Clin Pathol** 1982 May; 35(5):536–40

Neurological differences between paranoid and nonparanoid schizophrenia: part II. computerized tomographic findings. Nasrallah HA, et al. **J Clin Psychiatry** 1982 Aug; 43(8):307–9

Second International Workshop on Bone and Soft Tissue Densitometry Using Computed Tomography. Zuoz, Switzerland, April 13–16, 1981. Abstracts. **J Comput Assist Tomogr** 1982 Feb;6(1):197–220

Measurement of trabecular bone mineral by dual energy computed tomography. Adams JE, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):601–7

Evaluation of coronary artery bypass graft patency with computed tomography. Albrechtsson U, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):822–6

Computed tomography in ataxia–telangiectasia. Assencio–Ferreira VJ, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):660–1

Adrenal pseudotumors on computed tomography. Berliner L, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):281–5

Computed tomography of intussusception in the bypassed jejunoileal segment. Bilimoria PE, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):86–8

Evaluation of post–pneumonectomy space by computed tomography. Biondetti PR, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):238–42

Pulmonary varix: CT findings. Borkowski GP, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):827–9

Case report. An additional case of adrenoleukodystrophy with both type I and type II CT features. Brooks BS, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):385–8

Role of computed tomography in the evaluation of therapy in cases of cranial metastatic neuroblastoma. Devkota J, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):654–9

Computed tomography of ileocecal intussusception: mechanism and appearance. Donovan AT, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):630–2

Computed tomography of the liver and kidneys in glycogen storage disease. Doppman JL, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):67–71

CT localization of cervical parathyroid glands: it deserves a second look. Doppman JL. **J Comput Assist Tomogr** 1982 Jun;6(3):519–20

Computed tomography of extracranial chloroma. Dunnick NR, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):83–5

Technical note. Use of CT in the placement of heat monitoring thermocouples for hyperthermia therapy. Eftekhari F, et al. **J Comput Assist Tomogr** 1981 Dec; 5(6):933–6

CT diagnosis of perianeurysmal fibrotic reactions in aortoiliac aneurysm. Feldberg MA, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):465–71

Quantitative evaluation of the canine brain using computed tomography. Fike JR, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):325–33

The role of computed tomography in the evaluation of bullous lung disease. Fiore D, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):105–8

Computed tomography of benign hepatic tumors. Fishman EK, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):472–81

Hemorrhagic angiomyolipoma: demonstration by computed tomography. Gentry LR, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):861–5

CT appearance of global renal infarction. Glazer GM, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):847–50

Contrast–related flow phenomena mimicking pathology on thoracic computed tomography. Godwin JD, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):460–4

CT configuration of the enlarged adrenal gland. Goldman SM, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):276–80

Computed tomography of intracranial aspergillosis. Grossman RI, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):646–50

Regional pulmonary ventilation measurements by xenon enhanced dynamic computed tomography: an update. Gur D, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):678–83

Case report. CT guided thin needle aspiration of adrenal blastomycosis. Halvorsen RA Jr, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):389–91

CT demonstration of subcutaneous venous collaterals. Hidalgo H, et al. **J Comput Assist Tomogr** 1982 Jun; 6(3):514–8

CT appearance of persistent left superior vena cava. Huggins TJ, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):294–7

Case report. Computed tomography of the brain in severe hypoglycaemia. Kaiser MC, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):757–9

Computed tomography of aortic and aortoiliofemoral grafts. Kam J, et al. **J Comput Assist Tomogr** 1982 Apr; 6(2):298–303

Unintentional opacification of the stomach during computed tomography following ingestion of jelly candy. Karasick SR, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):184–5

Computed tomography in calcified renal masses. Kim WS, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):855–60

The sacroiliac joints: anatomic, plain roentgenographic, and computed tomographic analysis. Lawson TL, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):307–14

The confluence of common iliac veins: a pitfall on computed tomography. Lee H, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):89–91

Computed tomography of the pancreas: three second scanning versus 18 second scanning. Levitt RG, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):259–67

Reliability of computed tomography in assessing histopathological features of malignant supratentorial gliomas. Lilja A, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):625–36

CT detection of intraabdominal disease in patients with lower extremity signs and symptoms. Meshkov SL, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):497–501

CT differentiation of solitary from diffuse bronchioloalveolar carcinoma. Metzger RA, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):830–3

CT demonstration of periureteral fibrosis of malignant etiology. Mieza M, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):290–3

Volumetric CT analysis of hepatic tumors. Moss AA, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):714–8

Value of computed tomography in the detection and staging of recurrent rectal carcinomas. Moss AA, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):870–4

Computed tomography of posterior longitudinal ligament ossification: its appearance and diagnostic value with special reference to thoracic lesions. Murakami J, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):41–50

CT cholangiography in suspected Caroli's disease. Musante F, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):482–5

Evaluation of cerebral ventricles by computed tomography in the first year of life. Naheedy MH, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):51–3

Computed tomography of bronchiectasis. Naidich DP, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):437–44

Computed tomography in surgical complications following renal transplantation. Nakstad P, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):286–9

CT evaluation of pulmonary artery size. O'Callaghan JP, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):101–4

Mediastinal hydatid disease in childhood: CT documentation of response to treatment with mebendazole. Oppermann HC, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):175–6

CT manifestations of radiation–induced change in chest tissue. Pagani JJ, et al. **J Comput Assist Tomogr** 1982 Apr; 6(2):243–8

Incidence and significance of serendipitous CT findings in the oncologic patient. Pagani JJ, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):268–75

CT demonstration of fat tissue in malignant renal neoplasms: atypical Wilms' tumors. Farvey LS, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):851–4

Pulmonary sequestration. Paul DJ, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):163–5

Computed tomography of renal inflammatory disease. Rauschkolb EN, et al. **J Comput Assist Tomogr** 1982 Jun; 6(3):502–6

Computed tomography of rhabdomyosarcomas of the skull base in children. Scotti G, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):33–9

Parotid gland sarcoidosis and the CT sialogram. Som PM, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):674–7

Computed tomography of stress fractures. Somer K, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):109–15

Computed tomography for localizing enlarged parathyroid glands in primary hyperparathyroidism. Sommer B, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):521–6

Diagnosis of cystic ectasia of intrahepatic bile ducts by computed tomography. Sorensen KW, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):486–9

Computed tomographic features of uterine myoma. Tada S, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):866–9

Preoperative diagnosis of secondary hyperparathyroidism using computed tomography. Takagi H, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):527–8

Computed tomography in moyamoya disease. Takeuchi S, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):24–32

Assessment of hepatic injuries with computed tomography. Toombs BD, et al. **J Comput Assist Tomogr** 1982 Feb; 6(1):72–5

Computed tomography in pulmonary pseudotumors and their relation to asbestos exposure. Tylén U, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):229–37

CT demonstration of mediastinal aortic arch anomalies. Webb WR, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):445–51

Computed tomography for localization of parathyroid adenomas. Whitley NO, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):812–7

CT patterns of mesenteric disease. Whitley NO, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):490–6

Perirenal cobwebs: a CT sign of renal vein thrombosis. Winfield AC, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):705–8

Diagnosis of parathyroid adenoma by computed tomography. Wolverson MK, et al. **J Comput Assist Tomogr** 1981 Dec; 5(6):818–21

CT findings of cerebral paragonimiasis in the chronic state. Yoshida M, et al. **J Comput Assist Tomogr** 1982 Feb; 6(1):195–6

White matter changes in cerebral computed tomography related to aging. Zatz LM, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):19–23

Invasive thymomas: diagnosis and evaluation by computed tomography. Zerhouni EA, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):92–100

The use of computerized tomography in the foot. Ross JA, et al. **J Foot Surg** 1982 Summer;21(2):111–3

Detection of a wooden foreign body in the hand using computed tomography--case report. Rhoades CE, et al. **J Hand Surg** 1982 May;7(3):306–7

Computed tomography in E.N.T. practice: an evaluation of two years' experience in British sub–regional centre. Proops DW, et al. **J Laryngol Otol** 1982 May;96(5):417–37

C.A.T. scan in severe facial cleft surgery. Case report. Christophorou M, et al. **J Maxillofac Surg** 1981 Aug; 9(3):185–7

X–ray microtomography. Elliott JC, et al. **J Microsc** 1982 May;126(Pt 2):211–3

Radiologic seminar CCXX: use of CT body scanning for colon cancer follow–up. Cranston PE, et al. **J Miss State Med Assoc** 1982 Mar;23(3):61–3

Radiologic seminar CCXVII: computed tomography diagnosis of acoustic neuroma. Ferguson JV Jr, et al. **J Miss State Med Assoc** 1981 Oct;22(10):253–5

Utility of the provisional clinical diagnosis as a basis for selection of computed tomographic or radionuclide brain scan. Kim EE, et al. **J Natl Med Assoc** 1981 Sep;73(9):805–9

Diagnostic CT scan findings in an adult case of acute disseminated leuco–encephalitis. Barontini F, et al. **J Neurol** 1981;226(3):213–7

Assessment of cerebral atrophy: discrepancy between pneumoencephalography and computed tomography [letter] Jacoby RJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):654–5

Computerized tomography and neuropathologists: two viewpoints [editorial] Clasen RA. **J Neuropathol Exp Neurol** 1982 Jul;41(4):387–8

Computerized tomography and neuropathologists: two viewpoints [editorial] Torack RM. **J Neuropathol Exp Neurol** 1982 Jul;41(4):389–90

Statistical analysis of hesitations on diagnosis in skull and brain CT examinations. Berger–Vachon C, et al. **J Neuroradiol** 1981;8(4):343–51 **(Eng, Fre)**

Computed tomography of pediatric infratentorial brain tumors. Bilaniuk LT, et al. **J Neuroradiol** 1981;8(3):229–42 **(Eng, Fre)**

Computed tomography and the abnormal brain in the neonate. Harwood–Nash DC. **J Neuroradiol** 1981; 8(2):125–42 **(Eng, Fre)**

Xenon as a contrast agent for computed tomography. Principles and current applications. Kendall BE, et al. **J Neuroradiol** 1981;8(1):3–12 **(Eng, Fre)**

Myelography with axial tomography and a new contrast medium: iopamidol (B 15,000). Leonardi M, et al. **J Neuroradiol** 1981;8(1):55–62 **(Eng, Fre)**

Cranial CT signs of the Chiari II malformation. Naidich TP. **J Neuroradiol** 1981;8(3):207–27 **(Eng, Fre)**

Computed tomography of the orbit and juxtasellar area in children. Post MJ. **J Neuroradiol** 1981;8(3):171–94 **(Eng, Fre)**

Computed tomography in the diagnosis of space occupying lesions of the occipito–cervical junction. Vancoillie P, et al. **J Neuroradiol** 1981;8(4):335–41 **(Eng, Fre)**

Computed tomography in pediatric head trauma. Zimmerman RA, et al. **J Neuroradiol** 1981;8(3):257–71 **(Eng, Fre)**

Delineation of unruptured cerebral aneurysms by computerized angiotomography. Asari S, et al. **J Neurosurg** 1982 Oct;57(4):527–34

Neuropathological and computerized tomographic findings in experimental brain abscess. Britt RH, et al. **J Neurosurg** 1981 Oct;55(4):590–603 (77 ref.)

Documentation of fourth ventricle entrapment by metrizamide ventriculography with CT scanning. Collada M Jr, et al. **J Neurosurg** 1981 Nov;55(5):838–40

Unusual CT–dense posterior fossa epidermoid cyst: case report. Dunn RC Jr, et al. **J Neurosurg** 1981 Oct;

55(4):654–6
Evaluation of periventricular hypodensity in experimental hydrocephalus by metrizamide CT ventriculography. Hiratsuka H, et al. **J Neurosurg** 1982 Feb;56(2):235–40
Computerized tomography of a sellar spine. Case report. LaMasters DL, et al. **J Neurosurg** 1982 Sep;57(3):407–9
Diagnosis of intraventricular and cisternal cysticercosis by computerized tomography with positive intraventricular contrast medium. Madrazo I, et al. **J Neurosurg** 1981 Dec; 55(6):947–51
Intermittent exophthalmos studied with computerized tomography. Report of two cases. Rivas JJ, et al. **J Neurosurg** 1982 Aug;57(2):290–4
Computerized tomography and surgical treatment of femoral compression neuropathy. Report of two cases. Tysvaer AT. **J Neurosurg** 1982 Jul;57(1):137–9
Hemostasis and computerized tomography in head injury. Their relationship to clinical features. van der Sande JJ, et al. **J Neurosurg** 1981 Nov;55(5):718–24
Use of metrizamide in computerized tomography to diagnose the Chiari I malformation. Woosley RE, et al. **J Neurosurg** 1982 Mar;56(3):373–6
Simplified and accurate CT-guided needle biopsy of central nervous system lesions. Yeates A, et al. **J Neurosurg** 1982 Sep;57(3):390–3
CT scan and craniostenosis. Brambilla GL, et al. **J Neurosurg Sci** 1981 Jan–Mar;25(1):13–6
Computed tomography of the cervical spinal canal. Capesius P, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):265–70
The anomalies of the atlas. Computed tomography and radiological aspects. Carella A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):127–9
Medullary CT hypodensity in Charcot–Marie–Tooth's disease. Case report. Francia A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):279–82
Usefulness of computed tomography (CT) in the study of cervical radiculopathy. Giordano GB, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):139–41
Computed tomography (CT) of the cervical spine. Giordano GB, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):143–6
Computerized tomography in diagnosis of bullet cervical injuries. Report of two cases. Patricolo A, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):131–14
Computed tomography in cervical disk protrusion. Troisi F, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):135–8
Spinal computerized tomography in neurosurgery. Valentino V, et al. **J Neurosurg Sci** 1981 Jul–Dec;25(3–4):249–54
Evaluation of maxillofacial injuries by use of computerized tomography. Frame JW, et al. **J Oral Maxillofac Surg** 1982 Aug;40(8):482–6
Computed tomography for the diagnosis of facial fractures. Fujii N, et al. **J Oral Surg** 1981 Oct;39(10):735–41
The prognostic value of computed tomography as an adjunct to assessment of the term infant with postasphyxial encephalopathy. Fitzhardinge PM, et al. **J Pediatr** 1981 Nov;99(5):777–81
The prognostic value of computed tomography of the brain in asphyxiated premature infants. Fitzhardinge PM, et al. **J Pediatr** 1982 Mar;100(3):476–81
Metastatic anaerobic orbital subperiosteal abscess: value of CT scanning. Karesh J, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):52–5
Use of computed axial tomography in pediatric orthopedics. Jones ET. **J Pediatr Orthop** 1981;1(3):329–38 (51 ref.)
Computed tomography of intraarticular supination – eversion fractures of the ankle in adolescents. Kärrholm J, et al. **J Pediatr Orthop** 1981;1(2):181–7
Epidermoid cyst of the paravaginal space located only by computerized axial tomography. A case report. Livengood CH 3d, et al. **J Reprod Med** 1982 Mar;27(3):176–8
Evaluation of gynecologic pelvic masses by ultrasound and computed tomography. Sommer FG, et al. **J Reprod Med** 1982 Jan;27(1):45–50
CAT scan of the month: xanthogranulomatous pyelonephritis. Gammill SL, et al. **J Tenn Med Assoc** 1981 Sep;74(9):665
CAT scan of the month (Pancreatic neoplasm and gallstones). Gammill SL, et al. **J Tenn Med Assoc** 1982 Feb;75(2):132–4
Does computed tomography aid in the staging of lung cancer [editorial] Center S. **J Thorac Cardiovasc Surg** 1981 Sep; 82(3):334
Computed axial tomography in musculoskeletal trauma. Hubbard LF, et al. **J Trauma** 1982 May;22(5):388–94
Delayed deterioration in the syndrome of temporal lobe contusion: evaluation by computed tomography (CT). Nelson PB, et al. **J Trauma** 1982 Jan;22(1):39–42
CT in head trauma. Peyster RG, et al. **J Trauma** 1982 Jan; 22(1):25–38
Computerized tomography in assessment of acetabular fractures. Walker RH, et al. **J Trauma** 1982 Mar; 22(3):227–34
Duplicated inferior vena cava misinterpreted by computerized tomography as metastatic retroperitoneal testicular tumor. Cohen SI, et al. **J Urol** 1982 Aug; 128(2):389–91
Comparison of computerized tomography, ultrasound and angiography in staging renal cell carcinoma. Cronan JJ, et al. **J Urol** 1982 Apr;127(4):712–4
Computerized tomography in the diagnosis of transitional cell carcinoma of the kidney. Gatewood OM, et al. **J Urol** 1982 May;127(5):876–87
Computerized tomography in the scheme of things. Goldman SM, et al. **J Urol** 1982 Apr;127(4):724–6
Use of computerized tomography in the evaluation of filling defects of the renal pelvis. Greenberg M, et al. **J Urol** 1982 Jun;127(6):1172–6
Questionable parietal recurrence after nephrectomy for renal cancer: computerized tomography recognition [letter] Parienty RA, et al. **J Urol** 1982 Apr;127(4):783–4
Computerized tomography: how accurate for abdominal staging of testis tumors? Richie JP, et al. **J Urol** 1982 Apr; 127(4):715–7
Transrectal longitudinal ultrasonotomography of the prostate by electronic linear scanning. Sekine H, et al. **J Urol** 1982 Jan;127(1):62–5
Computerized tomography of the kidney: tissue–plasma ratio of contrast enhancement with bolus injection and renal function. Yokoyama M, et al. **J Urol** 1982 Apr;127(4):721–3
CT beats myelography for lumbar spine diagnoses [letter] **JAMA** 1981 Nov 13;246(19):2112–3
Consensus conference. Computed tomographic scanning of the brain. **JAMA** 1982 Apr 9;247(14):1955–8
Bilateral adrenal hemorrhage in an adult. Demonstration by computed tomography. Albert SG, et al. **JAMA** 1982 Mar 26;247(12):1737–9
Computed tomography in the diagnosis of abdominal hemorrhage. Alexander ES, et al. **JAMA** 1982 Sep 3; 248(9):1104–7
Volume determinations in computed tomography. Brenner DE, et al. **JAMA** 1982 Mar 5;247(9):1299–302
Demonstration of subdural empyema by CT scanning [letter] Davidson KC. **JAMA** 1982 Mar 5;247(9):1275
Laser–CT scanner–computer linkups hint of neurosurgery of future [news] Gunby P. **JAMA** 1982 Oct 1; 248(13):1545–47, 1551
Diagnosis of empty sella syndrome [letter] Jahnke RW. **JAMA** 1982 May 28;247(20):2779–80
Computed tomography in search of cancer of unknown origin. Karsell PR, et al. **JAMA** 1982 Jul 16;248(3):340–3
Evaluation of headache [letter] Ordia JI, et al. **JAMA** 1981 Nov 6;246(18):2031–2
Incidental asymptomatic adrenal masses detected by computed tomographic scanning. Is operation required? Prinz RA, et al. **JAMA** 1982 Aug 13;248(6):701–4
CT scanning and subdural empyema [letter] Remmler D, et al. **JAMA** 1982 Jun 18;247(23):3187
The primary empty sella syndrome. Diagnosis with metrizamide cisternography. Young WF Jr, et al. **JAMA** 1981 Dec 4;246(22):2611–2
'Cryptic' cavernous cerebrovascular malformation: report of case. Kanoff RB, et al. **JAOA** 1981 Sep;81(1):36–8
Computed tomography of the abdomen–clinical applications. Neufeld CL. **JAOA** 1981 Nov;81(3):199–207
Multiple aneurysms of the intracranial arteries: computed tomography in detecting the site of bleeding. Schnapf DJ. **JAOA** 1981 Nov;81(3):208–11
Pancreatic plasmacytoma: sonographic and computerized tomographic findings. Rice NT, et al. **JCU** 1981 Jan; 9(1):46–8
The use of computed tomography in psychiatry: recent applications to schizophrenia, manic–depressive illness and dementia syndromes. Pearlson GD, et al. **Johns Hopkins Med J** 1981 Nov;149(5):194–202
Evaluation of valvular heart diseases with computed tomography. Tomoda H, et al. **Jpn Circ J** 1982 Apr; 46(4):402–6
Diagnostic evaluation of CT and ERCP based on a retrospective analysis of hepato–biliary and pancreatic diseases. Okada K, et al. **Jpn J Surg** 1981;11(4):277–82
Clinical evaluation of computed tomography in esophageal cancer. Hamada M, et al. **Kurume Med J** 1981;28(1):53–61
Apparent cerebral atrophic findings on cranial computed tomography in nephrotic children with steroid therapy and in patients of infantile spasms with ACTH therapy. Yano E. **Kurume Med J** 1981;28(1):63–77
Cranial computerised tomography in isosexual precocious puberty [letter] Brämswig JH, et al. **Lancet** 1982 Mar 6; 1(8271):562
Renal computed tomography is abnormal in pyelonephritis [letter] June CH, et al. **Lancet** 1982 Jul 10;2(8289):93–4
Nuclear magnetic resonance imaging (NMR) and computerised tomography (CT) in multiple sclerosis [letter] Mastaglia FL, et al. **Lancet** 1982 Apr 10;1(8276):850
The role of high resolution computerized tomography and standardized ultrasound in the evaluation of orbital cellulitis. Goodwin WJ Jr, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):729–31
Ultrasonography and computed tomography in the evaluation of biliary tract disease. Schneider M, et al. **Major Probl Clin Surg** 1982;16:19–60
Rectus sheath hematoma: diagnosis by computed tomography scanning. Gocke JE, et al. **Mayo Clin Proc** 1981 Dec; 56(12):757–61
NIH statement: computed tomographic scanning of the brain. **Md State Med J** 1982 Jul;31(7):52–7
Computed tomography and ultrasound evaluation of neonates with asphyxia and/or intracranial hemorrhage. Fitzhardinge PM. **Mead Johnson Symp Perinat Dev Med** 1980;(17):65–72
Value of computerised tomography in diagnosing diseases of the lumbar spine. Weisz GM. **Med J Aust** 1982 Mar 6;1(5):216–9
Computed tomography brain scans in long term survivors of childhood acute lymphoblastic leukemia. Esseltine DW, et al. **Med Pediatr Oncol** 1981;9(5):429–38
The effects of scatter in x-ray computed tomography. Joseph PM, et al. **Med Phys** 1982 Jul–Aug;9(4):464–72
RC filter versus integrator data collection circuits for computed tomography. Olson EA, et al. **Med Phys** 1982 Jan–Feb;9(1):69–78
CT alignment probe for the dose profile insert. Schneiders NJ, et al. **Med Phys** 1981 May–Jun;8(3):398–9
A method for describing the doses delivered by transmission x-ray computed tomography. Shope TB, et al. **Med Phys** 1981 Jul–Aug;8(4):488–95
Dose descriptors for computed tomography. Spokas JJ. **Med Phys** 1982 Mar–Apr;9(2):288–92
A mini-atlas of computed coronal and sagittal pixel tomography of the mediastinum. Chasen MH, et al. **Med Radiogr Photogr** 1981;57(3):41–64
Malignant optic glioma in an adult: initial CT abnormality limited to the posterior orbit, leptomeningeal seeding of the tumor. Shapiro SK, et al. **Minn Med** 1982 Mar; 65(3):155–9
The diagnostic value of computerized axial tomography (CAT) in focal epilepsy. Grądzki J, et al. **Monogr Neural Sci** 1981;5:89–93
Upper abdominal CT scanning in staging non–oat–cell lung carcinoma [letter] Chapman GS, et al. **N Engl J Med** 1982 Jul 15;307(3):189
Error analysis for measurement of tissue elastic constant and its practical application. Ohara K, et al. **Nagoya J Med Sci** 1981 Nov;44(1–2):31–40
The elastic constant of tissue in the body estimated from computerized tomography and ultrasonography—theoretical analysis. Sakuma S, et al. **Nagoya J Med Sci** 1981 Nov;44(1–2):41–6
Computed tomographic diagnosis of the obstructed duplex kidney in adults. Ladwig SH, et al. **NC Med J** 1982 Jun; 43(6):429–31
Ureteric pain in patients with chronic renal failure on hemodialysis. Diagnostic approach with ultrasonography and computer tomography. Koga N, et al. **Nephron** 1982; 31(1):55–8
A new method for the assessment of bone mass in renal osteodystrophy. Usefulness of computerized tomography in hemodialysis patients. Torres A, et al. **Nephron** 1982; 30(3):231–6
CT scanning for diagnosis of a renal injury. van Helsdingen PJ. **Neth J Surg** 1981 Dec;33(5):250–1
Computed tomography in cerebrotendinous xanthomatosis. Berginer VM, et al. **Neurology (NY)** 1981 Nov; 31(11):1463–5
A prospective study of lacunar infarction using computerized tomography. Donnan GA, et al. **Neurology (NY)** 1982 Jan; 32(1):49–56
Delayed-onset posthemiplegic dystonia: CT demonstration of basal ganglia pathology. Grimes JD, et al. **Neurology (NY)** 1982 Sep;32(9):1033–5
Active bleeding in hypertensive intracerebral hemorrhage: computed tomography. Kelley RE, et al. **Neurology (NY)** 1982 Aug;32(8):852–6
CT after metrizamide myelography [letter] Vincent FM. **Neurology (NY)** 1982 Jun;32(6):685
Computed tomography in dementia. Wilson RS, et al. **Neurology (NY)** 1982 Sep;32(9):1054–7
False-negative CTs in astrocytomas: the value of repeat scanning. Wulff JD, et al. **Neurology (NY)** 1982 Jul; 32(7):766–9
Cerebellar vermis dysplasia: diagnostic problems by CT. Curatolo P, et al. **Neuropediatrics** 1982 Feb;13(1):50
Diagnosing hydrocephalus in infants by ultrasound sector scanning through the open fontanelles. A study comparing ultrasound–sonography and CAT–scan. Strassburg HM, et al. **Neuropediatrics** 1981 Aug;12(3):254–66
Contrast bolus technique with rapid CT scanning. A reliable diagnostic tool for the determination of brain death. Arnold H, et al. **Neuroradiology** 1981;22(3):129–32
Relative value of computed tomography and hypocycloidal tomography in the diagnosis of pituitary microadenoma. A radio–surgical correlative study. Bonafé A, et al. **Neuroradiology** 1981;22(3):133–7
CT of irradiated solid tumor metastases to the brain. Brown SB, et al. **Neuroradiology** 1982;23(3):127–31
Leigh's subacute necrotizing encephalomyelopathy: possible diagnosis by CT scan. Chi JG, et al. **Neuroradiology** 1981; 22(3):141–4
The contribution of internal scatter to radiation dose during CT scan of the head. Chopp M, et al. **Neuroradiology** 1981; 22(3):145–50
CT control of stereotactic surgery in the diencephalon. Dettori P, et al. **Neuroradiology** 1982;23(2):91–4
Changes of cerebral density in dialyzed patients. Dettori P, et al. **Neuroradiology** 1982;23(2):95–9
Computed tomography in mitochondrial cytopathy. Egger J, et al. **Neuroradiology** 1981;22(2):73–8
CT diagnosis of orbital inflammation in children. Fernbach SK, et al. **Neuroradiology** 1981;22(1):7–13
Computed tomographic demonstration of ocular calcification correlations with clinical and pathological findings. Hedges TR 3D, et al. **Neuroradiology** 1982;23(1):15–21
CT of malignant choroidal melanoma – morphology and perfusion characteristics. Heller M, et al. **Neuroradiology** 1982;23(1):23–30
Cranial computed tomography of patients with malignant melanoma. Holtås S, et al. **Neuroradiology** 1981;22(3):123–7

CT for trauma to the base of the skull and spine in children. Kaiser MC, et al. **Neuroradiology** 1981;22(1):27–31
Wilson's disease. Clinical correction with cranial computed tomography. Kendall BE, et al. **Neuroradiology** 1981; 22(1):1–5
CT studies of brain abscesses in cats. Kretzschmar K, et al. **Neuroradiology** 1981;22(2):93–8
Cerebral vasospasm evaluated by computed tomography in a patient with ruptured cerebral aneurysm. A case report. Kuchiwaki H, et al. **Neuroradiology** 1982;23(1):41–4
CT findings in a case of deficiency of 3-hydroxy-3-methylglutaryl-CoA-lyase. Lisson G, et al. **Neuroradiology** 1981;22(2):99–101
Irradiation dose to the lens of the eye during CT of the head. Lund E, et al. **Neuroradiology** 1982;22(4):181–4
The evaluation of ventriculography as a supplement to computed tomography. Nakstad P, et al. **Neuroradiology** 1982;23(2):85–8
The development of cerebral CT changes during treatment of acute lymphocytic leukemia in childhood. Pedersen H, et al. **Neuroradiology** 1981;22(2):79–84
Computed tomographic findings of early subacute sclerosing panencephalitis. Pedersen H, et al. **Neuroradiology** 1982; 23(1):31–2
Mucoceles in the paranasal sinuses involving the orbit: CT signs in 43 cases. Perugini S, et al. **Neuroradiology** 1982; 23(3):133–9
Thalamic bleeding: diagnosis, course and prognosis. Piepgras U, et al. **Neuroradiology** 1981;22(2):85–91
Computed tomography of 'cystic' intramedullary lesions. Pullicino P, et al. **Neuroradiology** 1982;23(3):117–21
Transverse axial plane anatomy of the temporal bone employing high spatial resolution computed tomography. Russell EJ, et al. **Neuroradiology** 1982;22(4):185–91
The enhancing septal/alveal wedge: a septal sign of intraaxial mass. Russell EJ, et al. **Neuroradiology** 1982;23(1):33–40
Evaluation and measurement of the normal ventricular and subarachnoid spaces by CT. Sabattini L. **Neuroradiology** 1982;23(1):1–5 (36 ref.)
CT differentiation between recurrent disc herniation and postoperative scar formation: the value of contrast enhancement. Schubiger O, et al. **Neuroradiology** 1982; 22(5):251–4
Macroprolactinomas: CT evaluation of reduction of tumor size after medical treatment. Scotti G, et al. **Neuroradiology** 1982;23(3):123–6
Transient disappearance of cerebral infarcts on CT scan, the so-called fogging effect. Skriver EB, et al. **Neuroradiology** 1981;22(2):61–5
Computed tomography in Pelizaeus-Merzbacher disease. Statz A, et al. **Neuroradiology** 1981;22(2):103–5
CT of meningiomas on the Posterior surface of the petrous bone. Valavanis A, et al. **Neuroradiology** 1981;22(3):111–21
The current state of the radiological diagnosis of acoustic neuroma. Valavanis A, et al. **Neuroradiology** 1982; 23(1):7–13
Computed tomography in acute haemorrhagic leukoencephalitis. Valentine AR, et al. **Neuroradiology** 1982;22(4):215–9
The time course of aneurysmal haemorrhage on computed tomograms. van Gijn J, et al. **Neuroradiology** 1982; 23(3):153–6
Do we need ventriculography in the era of computed tomography? Wende S, et al. **Neuroradiology** 1982; 23(2):89–90
A quantitative approach to measuring the cerebrospinal fluid space with CT. Zeumer H, et al. **Neuroradiology** 1982; 22(4):193–7
Aneurysmal bone cyst of the cervical spine: report of a case investigated by computed tomographic scanning and treated by a two-stage surgical procedure. Bret P, et al. **Neurosurgery** 1982 Jan;10(1):111–5
Craniosynostosis: computed tomographic evaluation of skull base and calvarial deformities and associated intracranial changes. Carmel PW, et al. **Neurosurgery** 1981 Oct; 9(4):366–72
Computed tomographic demonstration of giant aneurysms of the vertebrobasilar system: report of eight cases. Ganti SR, et al. **Neurosurgery** 1981 Sep;9(3):261–7
A computed tomographic stereotactic adaptation system. Goerss S, et al. **Neurosurgery** 1982 Mar;10(3):375–9
Normal computed tomograms in acute head injury: correlation of intracranial pressure, ventricular size, and outcome. Holliday PO 3d, et al. **Neurosurgery** 1982 Jan; 10(1):25–8
Ommaya reservoir insertion guided by computed tomography. Levy WJ, et al. **Neurosurgery** 1981 Nov; 9(5):559–61
Compute tomography-oriented stereotactic system. Patil AA. **Neurosurgery** 1982 Mar;10(3):370–4
CT findings of abdominal metastases from cancer of the esophagus. Inamoto K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(10):938–45
Morphological studies of ossification of the posterior longitudinal ligament by computed tomography. Tanaka H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25;41(11):1048–53
Correlations between computerized tomography of the head and motor developmental disturbances of children with cerebral palsy. Chen YH. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan;55(1):85–99
Chondrosarcoma of larynx. Computerized tomographic study. Fish B, et al. **NY State J Med** 1982 Feb;82(2):216–8
Computed tomography in the management of orbital trauma. Grove AS Jr. **Ophthalmology (Rochester)** 1982 May; 89(5):433–40
Computed tomographic evaluation of the cavernous sinus. Kline LB, et al. **Ophthalmology (Rochester)** 1982 Apr; 89(4):374–85
The value of computerized tomography in oral surgery. Frame JW, et al. **Oral Surg** 1981 Oct;52(4):357–63
Possibilities of high resolution CT scanning in ear and sinus pathology. Clement PA, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(3):126–33
Computed tomography vs laryngography: a comparison of relative diagnostic value. Friedman WH, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):579–86
Cystic lymphangioma of the spleen. Report of CT scan findings. Cornaglia-Ferraris P, et al. **Pediatr Radiol** 1982; 12(2):94–5
CT in the staging of children with malignant tumours. Damgaard-Pedersen K, et al. **Pediatr Radiol** 1982; 12(3):139–43
CT localization of occult secretory tumors in children. Hecht ST, et al. **Pediatr Radiol** 1982;12(2):67–71
Pulmonary artery sling: a new diagnostic tool and clinical review. Rheuban KS, et al. **Pediatrics** 1982 Apr;69(4):472–5
A suggested theory of the conventional tomographic imaging process. Moore CJ, et al. **Phys Med Biol** 1981 Nov; 26(6):985–96
A modified convolution reconstruction technique for divergent beams. Webb S. **Phys Med Biol** 1982 Mar; 27(3):419–23
A simulation study of motion artefacts in computed tomography. Yang CK, et al. **Phys Med Biol** 1982 Jan; 27(1):51–61
Role of abdominal computed tomography in evaluating left upper quadrant masses. Amis ES Jr, et al. **Postgrad Med** 1982 Jul;72(1):131–6
High-resolution computed tomography of the lumbar spine. Heithoff KB. **Postgrad Med** 1981 Nov;70(5):193–9, 202–6, 208 passim
Dementia, depression and the CT scan. Jacoby R. **Psychol Med** 1981 Nov;11(4):673–6 (51 ref.)
Intracranial tuberculomas: correlation of computerized tomography with clinico-pathological findings. Loizou LA, et al. **Q J Med** 1982;51(201):104–14
The impact of axial tomography on diagnosis and planning in radiotherapy. Crooks SH. **Radiography** 1982 May; 48(569):89–91
Computerized tomography of the thorax. Munro CJ. **Radiography** 1982 May;48(569):95–101
The stretched psoas- a sign of pelvic disease. Rodgers H. **Radiography** 1982 Apr;48(568):65–6
Reconstructions in computerised transverse axial radiography. Short AJ. **Radiography** 1981 May; 47(557):119–21
Gas meatography and CT scanning. Tyrrell KE. **Radiography** 1982 Mar;48(567):60–4
Symposium on pediatric computed tomography. **Radiol Clin North Am** 1981 Sep;19(3):397–549
Symposium on neuroradiology. **Radiol Clin North Am** 1982 Mar;20(1):1–255
Computed tomography of abdominal abscesses in children. Afshani E. **Radiol Clin North Am** 1981 Sep;19(3):515–26 (36 ref.)
Computed tomography of the hepatobiliary system in infancy and childhood. Berger PE, et al. **Radiol Clin North Am** 1981 Sep;19(3):431–44
Advances in computed tomography of the musculoskeletal system. Genant HK, et al. **Radiol Clin North Am** 1981 Dec; 19(4):645–74 (65 ref.)
Computed tomography of the pediatric spine: a protocol for the 1980's. Harwood-Nash DC. **Radiol Clin North Am** 1981 Sep;19(3):479–94 (22 ref.)
Computed tomography of the chest wall, pleura, and pulmonary parenchyma in infants and children. Kirks DR, et al. **Radiol Clin North Am** 1981 Sep;19(3):421–9 (19 ref.)
Diagnostic imaging of pediatric abdominal masses: an overview. Kirks DR, et al. **Radiol Clin North Am** 1981 Sep;19(3):527–45 (33 ref.)
Computed tomography in the evaluation of blunt abdominal trauma in children. Kuhn JP, et al. **Radiol Clin North Am** 1981 Sep;19(3):503–13
Computed tomography of the kidney in infancy and childhood. Kuhn JP, et al. **Radiol Clin North Am** 1981 Sep; 19(3):445–61 (74 ref.)
Computed tomography of the retroperitoneum in children. Kuhns LR. **Radiol Clin North Am** 1981 Sep;19(3):495–501 (29 ref.)
Computed tomography of the musculoskeletal system. Riddlesberger MM Jr. **Radiol Clin North Am** 1981 Sep; 19(3):463–77 (43 ref.)
The diagnostic importance of the recognition of the inferior vena cava abnormalities on CT-examinations. Gouliamos A, et al. **Radiologe** 1981 Sep;21(9):437–40
Computed tomographic diagnosis of abdominal abscesses. Kleinhaus U, et al. **Radiologe** 1982 May;22(5):230–4
The CT findings of extramedullary hematopoiesis. Papavasiliou C, et al. **Radiologe** 1982 Feb;22(2):86–7
Cushing's syndrome with an apparently normal CT scan. Vlahos L, et al. **Radiologe** 1981 Aug;21(8):396–7
Computed tomography versus ultrasound of the adrenal gland: a prospective study. Abrams HL, et al. **Radiology** 1982 Apr;143(1):121–8
Pitfalls in the diagnosis of hepatic cysts by computed tomography. Barnes PA, et al. **Radiology** 1981 Oct; 141(1):129–33
Computed tomography of the abnormal thymus. Baron RL, et al. **Radiology** 1982 Jan;142(1):127–34
Computed tomography of the normal thymus. Baron RL, et al. **Radiology** 1982 Jan;142(1):121–5
Computed tomography of transitional-cell carcinoma of the renal pelvis and ureter. Baron RL, et al. **Radiology** 1982 Jul;144(1):125–30
Computed tomographic demonstration of rapid changes in fatty infiltration of the liver. Bashist B, et al. **Radiology** 1982 Mar;142(3):691–2
Computed tomographic demonstration of the effects of bromocriptine on pituitary microadenoma size. Bonneville JF, et al. **Radiology** 1982 May;143(2):451–5
Minimal-dilatation obstructive nephropathy. Curry NS, et al. **Radiology** 1982 May;143(2):531–4
The efficacy of full-lung tomography in the detection of early metastatic disease from melanoma. Curtis AM, et al. **Radiology** 1982 Jul;144(1):27–9
Computed tomography and bone scintigraphy in the evaluation of tarsal coalition. Deutsch AL, et al. **Radiology** 1982 Jul;144(1):137–40
Computed tomographic demonstration of internal mammary lymph node metastasis in patients with locally recurrent breast carcinoma [letter] Ege GN. **Radiology** 1982 Jan; 142(1):253–4
Computed tomography of deep fat masses in multiple symmetrical lipomatosis. Enzi G, et al. **Radiology** 1982 Jul; 144(1):121–4
High-resolution ultrasound evaluation of experimental brain abscess evolution: comparison with computed tomography and neuropathology. Enzmann DR, et al. **Radiology** 1982 Jan;142(1):95–102
The role of computed tomography in renal trauma. Federle MP, et al. **Radiology** 1981 Nov;141(2):455–60
Pelvimetry by digital radiography: a low-dose examination. Federle MP, et al. **Radiology** 1982 Jun;143(3):733–5
Radiation effects in the canine brain evaluated by quantitative computed tomography. Fike JR, et al. **Radiology** 1982 Aug; 144(3):603–8
Computed tomography of the anterior mediastinum in myasthenia gravis. A radiologic-pathologic correlative study. Fon GT, et al. **Radiology** 1982 Jan;142(1):135–41
Impact of high-resolution computed tomography of the pancreas on utilization of endoscopic retrograde cholangiopancreatography and angiography. Freeny PC, et al. **Radiology** 1982 Jan;142(1):35–9
Distinguishing benign from malignant pulmonary nodules by computed tomography. Godwin JD, et al. **Radiology** 1982 Jul;144(2):349–51
The radiologist, computed tomography, and radiation therapy. Goitein M, et al. **Radiology** 1982 Jun; 143(3):799–801
Distal bile duct 'septum'. A computed tomographic finding with a dilated retained cystic duct remnant. Goldberg RP. **Radiology** 1982 Apr;143(1):142
The right mid-lung window. Goodman LR, et al. **Radiology** 1982 Apr;143(1):135–8
Transient early computed tomographic changes mimicking tumor progression after brain tumor irradiation. Graeb DA, et al. **Radiology** 1982 Sep;144(4):813–7
Computed tomographic diagnosis of intraventricular hemorrhage. Etiology and prognosis. Graeb DA, et al. **Radiology** 1982 Apr;143(1):91–6
Computed-tomographic cholangiography: a new technique for evaluating the head of the pancreas and distal biliary tree. Greenberg M, et al. **Radiology** 1982 Jul;144(2):363–8
New technique to stage early rectal carcinoma by computed tomography. Hamlin DJ, et al. **Radiology** 1981 Nov; 141(2):539–40
A prospective comparison of computed tomography and myelography in the diagnosis of herniated lumbar disks. Haughton VM, et al. **Radiology** 1982 Jan;142(1):103–10
Two methods for isolating the lung area of a CT scan for density information. Hedlund LW, et al. **Radiology** 1982 Jul;144(2):353–7
The CT appearance of conjoined nerve roots and differentiation from a herniated nucleus pulposus. Helms CA, et al. **Radiology** 1982 Sep;144(4):803–7
A prospective evaluation of computed tomography and ultrasound of the pancreas. Hessel SJ, et al. **Radiology** 1982 Apr;143(1):129–33
Re: CT units [letter] Hunter TB. **Radiology** 1982 Sep; 144(4):942
CT estimations of mean attenuation values and volume in testicular tumors: a comparison with surgical and histologic findings. Husband JE, et al. **Radiology** 1982 Aug; 144(3):553–8
Transient hepatic attenuation difference of lobar or segmental distribution detected by dynamic computed tomography. Itai Y, et al. **Radiology** 1982 Sep;144(4):835–9
Computed tomographic appearance of resectable pancreatic carcinoma. Itai Y, et al. **Radiology** 1982 Jun;143(3):719–26
The role of computed tomography in the management of dysbaric diving accidents. Kizer KW. **Radiology** 1981 Sep; 140(3):705–7
Single-composite image display of information from tomographic myocardial perfusion studies. Klingensmith WC 3d, et al. **Radiology** 1981 Oct;141(1):242–5

Isolated renal hilar lip on computed tomography. Kolbenstvedt A, et al. **Radiology** 1982 Apr;143(1):150
Delineation of masses identified on axial computed tomography. Kuhns LR, et al. **Radiology** 1982 Feb; 142(2):536
Computed tomography of the tongue and floor of the mouth. Larsson SG, et al. **Radiology** 1982 May;143(2):493–500
Vacuum facet phenomenon: a computed tomographic sign of degenerative spondylolisthesis. Lefkowitz DM, et al. **Radiology** 1982 Aug;144(3):562
Comparison of computed tomography and pluridirectional tomography of the temporal bone. Lufkin R, et al. **Radiology** 1982 Jun;143(3):715–8
Computed tomography in the evaluation of metastatic adenocarcinoma from an unknown primary site. A retrospective study. McMillan JH, et al. **Radiology** 1982 Apr;143(1):143–6
Identification of the pleural fissures with computed tomography. Marks BW, et al. **Radiology** 1982 Apr; 143(1):139–41
A simple stabilization device for intracranial aspiration procedures guided by computed tomography. Moran CJ, et al. **Radiology** 1982 Jul;144(1):183–4
Diagnosis of peripheral pulmonary emboli by computed tomography in the living dog. Ovenfors CO, et al. **Radiology** 1981 Nov;141(2):519–23
Conventional metrizamide myelography (MM) and computed tomographic metrizamide myelography (CTMM) in scoliosis. A comparative study. Pettersson H, et al. **Radiology** 1982 Jan;142(1):111–4
Computed tomography of intramural hematoma of the small intestine: a report of 3 cases. Plojoux O, et al. **Radiology** 1982 Aug;144(3):559–61
The environmental density artifact: a beam–hardening effect in computed tomography. Rao PS, et al. **Radiology** 1981 Oct;141(1):223–7
Location of intrauterine devices: evaluation by computed tomography. Richardson ML, et al. **Radiology** 1982 Mar; 142(3):690
Sector computed tomographic spine scanning in the diagnosis of lumbar nerve root entrapment. Risius B, et al. **Radiology** 1982 Apr;143(1):109–14
Multiple bolus technique vs. single bolus or infusion of contrast medium to obtain prolonged contrast enhancement of the pancreas. Rossi P, et al. **Radiology** 1982 Sep; 144(4):929–31
Computed tomographic observations pertinent to intracranial venous thrombotic and occlusive disease in childhood. State of the art, some new data, and hypotheses. Segall HD, et al. **Radiology** 1982 May;143(2):441–9
Choanal atresia: a case report illustrating the use of computed tomography. Shirkhoda A, et al. **Radiology** 1982 Jan; 142(1):93–4
The value of computed tomography in the diagnosis and management of pediatric mediastinal abnormalities. Siegel MJ, et al. **Radiology** 1982 Jan;142(1):149–55
Computed tomography as a supplement to urography in the evaluation of suspected neuroblastoma. Siegel MJ, et al. **Radiology** 1982 Feb;142(2):435–8
Computed tomography and ultrasonography of the abdomen in congenital generalized lipodystrophy. Smevik B, et al. **Radiology** 1982 Mar;142(3):687–9
Computed tomography of intracranial ependymomas. Swartz JD, et al. **Radiology** 1982 Apr;143(1):97–101
The interface sign: a computed tomographic sign for distinguishing pleural and intra–abdominal fluid. Teplick JG, et al. **Radiology** 1982 Jul;144(2):359–62
Detection and staging of primary rectal and rectosigmoid cancer by computed tomography. Thoeni RF, et al. **Radiology** 1981 Oct;141(1):135–8
The choice of sedation for computed tomography in children: a prospective evaluation. Thompson JR, et al. **Radiology** 1982 May;143(2):475–9
Contrast and latitude of CT hard copy: an ROC study. Warren RC. **Radiology** 1981 Oct;141(1):139–45
Ultrasonography and computed tomography of inflammatory abdominal wall lesions. Yeh HC, et al. **Radiology** 1982 Sep; 144(4):859–63
Ultrasonography and computed tomography of gastric wall lesions. Yeh HC, et al. **Radiology** 1981 Oct;141(1):147–55
Ultrasonography of the extremities and pelvic girdle and correlation with computed tomography. Yeh HC, et al. **Radiology** 1982 May;143(2):519–25
Anatomical relationships in intracavitary irradiation demonstrated by computed tomography. Yu WS, et al. **Radiology** 1982 May;143(2):537–41
Less common CT features of medulloblastoma. Zee CS, et al. **Radiology** 1982 Jul;144(1):97–102
Computed tomography in facial trauma. Zilkha A. **Radiology** 1982 Aug;144(3):545–8
Computed tomographic staging of traumatic epidural bleeding. Zimmerman RA, et al. **Radiology** 1982 Sep; 144(4):809–12
Age–related incidence of pineal calcification detected by computed tomography. Zimmerman RA, et al. **Radiology** 1982 Mar;142(3):659–62
Computerized tomographic diagnosis of subarachnoid hemorrhage and its complications. Austerlitz J, et al. **RI Med J** 1982 May;65(5):189–90
Computed tomography of carcinoma of the ampulla of Vater. Inamoto K, et al. **ROFO** 1982 Jun;136(6):689–93
Computed tomography in the diagnosis of complications following renal allograft surgery. Nyman U, et al. **ROFO** 1982 Feb;136(2):138–43
Carcinoma of the gall bladder: a CT diagnosis. Solomon A, et al. **ROFO** 1981 Nov;135(5):622–3
Computerised tomography with pleurography: a new method of detecting traumatic diaphragmatic hernia. Adamthwaite DN, et al. **S Afr J Surg** 1981 Dec;19(4):229–34
Correlative clinical, neuroradiological and pathological findings in subacute sclerosing panencephalitis: a report of 5 cases. Schoeman JF, et al. **S Afr Med J** 1982 Sep 18; 62(13):447–50
Aphasia typology and lesion localization with computed axial tomography. Reinvang I, et al. **Scand J Rehabil Med** 1981; 13(2–3):85–8
Computed tomography and CSF spectrophotometry. Diagnosis and prognosis in 300 patients with cerebrovascular disease. Söderström CE, et al. **Scand J Rehabil Med** 1981;13(2–3):65–71
Staging of bladder carcinoma with computed tomography. Colleen S, et al. **Scand J Urol Nephrol** 1981;15(2):109–13
Computed tomography, ultrasonography and gamma camera scintigraphy after renal transplantation. Frödin L, et al. **Scand J Urol Nephrol** 1981;15(3):299–302
CT evaluation of non–opaque renal calculus. A case report. Stiris MG. **Scand J Urol Nephrol** 1981;15(3):341–2
Computed tomography of the liver. Foley WD, et al. **Semin Liver Dis** 1982 Feb;2(1):14–28 (60 ref.)
Detection of abdominal abscesses with gallium–67 citrate: correlative studies with computed tomography. Muroff LR. **Semin Nucl Med** 1982 Apr;12(2):173–83
Computed tomography in mesothelioma. Kreel L. **Semin Oncol** 1981 Sep;8(3):302–12
Computed tomography of retroperitoneal fluid collections. Alexander ES, et al. **Semin Roentgenol** 1981 Oct; 16(4):268–76
cT of the psoas compartment of the retroperitoneum. Donovan PJ, et al. **Semin Roentgenol** 1981 Oct;16(4):241–50
Computed tomography of the adrenal gland. Hattery RR, et al. **Semin Roentgenol** 1981 Oct;16(4):290–300
Computed tomography of the retroperitoneal vasculature and lymph nodes. Korobkin M. **Semin Roentgenol** 1981 Oct; 16(4):251–67
CT of the kidney and perinephric space. Love L, et al. **Semin Roentgenol** 1981 Oct;16(4):277–89
Computed tomography in evaluation of the pancreas. Weyman PJ, et al. **Semin Roentgenol** 1981 Oct;16(4):301–11
Congenital absence of the lumbosacral articular processes. Arcomano JP, et al. **Skeletal Radiol** 1982;8(2):133–4
The value of computed tomography scanning in chondromalacia patellae. Boven F, et al. **Skeletal Radiol** 1982;8(3):183–5
Efficacy of CT scanning in a group of 174 patients with orthopedic and musculoskeletal problems. Griffiths HJ, et al. **Skeletal Radiol** 1981;7(2):87–98
Intramuscular myxoma. Radiographic and computed tomographic findings with pathologic correlation. McCook TA, et al. **Skeletal Radiol** 1981;7(1):15–9
Computed tomographic demonstration of angiosarcoma of the spleen. Arbona GL, et al. **South Med J** 1982 Mar; 75(3):348–50
Computerized tomography in the diagnosis of adrenal masses. Goen RW, et al. **South Med J** 1981 Oct;74(10):1190–3
The longitudinal axis rotation of the apical vertebra, the vertebral, spinal, and rib cage deformity in idiopathic scoliosis studied by computer tomography. Aaro S, et al. **Spine** 1981 Nov–Dec;6(6):567–72
Computed tomography in localization of spinal osteoid osteoma. Wedge JH, et al. **Spine** 1981 Sep–Oct;6(5):423–7
Thalamic hemorrhage. A study of 23 patients with diagnosis by computed tomography. Barraquer–Bordas L, et al. **Stroke** 1981 Jul–Aug;12(4):524–7
Sensitivity of computer assisted radionuclide angiography in transient ischemic attack and prolonged reversible ischemic neurological deficit. Comparison with findings in radiographic angiography and transmission computerized axial tomography. Buell U, et al. **Stroke** 1981 Nov–Dec; 12(6):829–34
Incomplete cerebral infarction--focal incomplete ischemic tissue necrosis not leading to emollision. Lassen NA. **Stroke** 1982 Jul–Aug;13(4):522–3
Computed tomographic findings of good prognosis for hemiplegia in hypertensive putaminal hemorrhage. Mizukami M, et al. **Stroke** 1981 Sep–Oct;12(5):648–52
Pure motor hemiplegia: CT study of 30 cases. Rascol A, et al. **Stroke** 1982 Jan–Feb;13(1):11–7
The role of computed tomography and ultrasound imaging in biliary tract disease. Reid MH, et al. **Surg Clin North Am** 1981 Aug;61(4):787–825 (61 ref.)
Patency evaluation of distal splenorenal shunt with dynamic computed tomography. Gleysteen JJ, et al. **Surg Gynecol Obstet** 1982 May;154(5):689–94
Early computed tomographic scanning in acute severe pancreatitis. Jeffrey RB, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):170–4
Computed tomographic scanning of the brain: National Institutes of Health Consensus Development Conference. **Surg Neurol** 1982 Jul;18(1):72–5
Localization of intracranial lesions utilizing the coronal suture as a landmark on axial computed tomography. Ahmadi J, et al. **Surg Neurol** 1982 Mar;17(3):209–12
Brainstem hemorrhages and increased intracranial pressure: from Duret to computed tomography. Alexander E Jr, et al. **Surg Neurol** 1982 Feb;17(2):107–10
Computed tomography with craniopharyngiomas: a review. Cabezudo JM, et al. **Surg Neurol** 1981 Jun;15(6):422–7
Adult Arnold–Chiari malformation type I demonstrated by CT metrizamide myelography. Hochman MS, et al. **Surg Neurol** 1981 Dec;16(6):467–8
Detection of experimental brain tumor in rat by computed tomography. Kapp JP, et al. **Surg Neurol** 1981 Dec; 16(6):455–8
Foramen magnum meningioma. Kim KS, et al. **Surg Neurol** 1982 Apr;17(4):287–9
Pathological correlation of CT ring in recurrent, previously treated gliomas. Selker RG, et al. **Surg Neurol** 1982 Apr; 17(4):251–4
Computerized tomography following abdominal aortic surgery. Brown OW, et al. **Surgery** 1982 Jun;91(6):716–22
CAT scans of inflammatory aneurysms: a new technique for preoperative diagnosis. Ramirez AA, et al. **Surgery** 1982 Apr;91(4):390–3
Assessment of a clinical and electroencephalographic classification of epileptic patients and its clinical correlation to the findings of computer tomography. Hsi MS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):493–9
Sedimentation level in chronic subdural hematoma on computed tomography. Kao MC. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb;81(2):207–17
Limitations of CT in the evaluation of transient ischemic attacks. Crow W, et al. **Tex Med** 1982 Feb;78(2):65
Cranial computerized tomography in a patient with Wilson's disease. Tanaka F, et al. **Tohoku J Exp Med** 1981 Oct; 135(2):213–4
Computed tomography in the diagnosis of fatty liver: total lipid content and computed tomography number. Yajima Y, et al. **Tohoku J Exp Med** 1982 Mar;136(3):337–42
The whole body scanner's indispensable role in the management of cancer. de Winter J. **Trans Med Soc Lond** 1979;95:26–30
Computed tomography of the body. Kellett MJ. **Trans Med Soc Lond** 1980;96:70–1
Computed tomography and ultrasonography for diagnosis and treatment of renal and retroperitoneal abscesses. Gerzof SG, et al. **Urol Clin North Am** 1982 Feb;9(1):185–93
Computed tomographic findings in a case of renal vein thrombosis with nephrotic syndrome. Adler J, et al. **Urol Radiol** 1981;3(3):181–3
Hyperdense renal mass: unusual CT appearance of a benign renal cyst. Curry NS, et al. **Urol Radiol** 1982;4(1):33–5
Computed tomography in the diagnosis of retroperitoneal fibrosis. Dalla–Palma L, et al. **Urol Radiol** 1981;3(2):77–83
CT demonstration of perirenal lymphatic cysts. De Maeyer P, et al. **Urol Radiol** 1982;4(1):29–31
Computed tomography of the adrenal gland in hypertension. Dunnick NR, et al. **Urol Radiol** 1981–82;3(4):245–8
Computerized tomography of nonvascular causes of renal hypertension. Hattery RR, et al. **Urol Radiol** 1981–82; 3(4):261–5
Computed tomographic findings in suburothelial hemorrhage. Miller V, et al. **Urol Radiol** 1982;4(1):11–4
Diffuse xanthogranulomatous pyelonephritis: analysis by computed tomography and sonography. Subramanyam BR, et al. **Urol Radiol** 1982;4(1):5–9
Volume of polycystic kidneys during reduction of renal function. Thomsen HS, et al. **Urol Radiol** 1981;3(2):85–9
CAT scanning in staging of prostatic cancer. Golimbu M, et al. **Urology** 1981 Sep;18(3):305–8
Computerized body tomography in neonatal renal vein thrombosis. Greene A, et al. **Urology** 1982 Aug;20(2):213–5
Perinephric abscess secondary to ruptured retrocecal appendix diagnosed by computerized tomography. McGahan JP. **Urology** 1982 Feb;19(2):217–9
Acute renal failure, contrast media, and computer tomography. Slasky BS, et al. **Urology** 1981 Sep; 18(3):309–13
'Silent' osseous metastases in renal cell carcinoma: value of computerized tomography. Swanson DA, et al. **Urology** 1982 Aug;20(2):208–12
Computerized tomographic diagnosis of paracardiac masses. Handler JB, et al. **West J Med** 1981 Oct;135(4):271–5
Cerebellar hemorrhage as evaluated by computerized tomography. Turner DA, et al. **West J Med** 1982 Mar; 136(3):198–202
Computed tomography in the evaluation and management of patients with spina bifida. Hammock MK, et al. **Z Kinderchir** 1981 Dec;34(4):334–9
Ependymomas extending into both lateral ventricles: CT–diagnosis and operability. Afra D, et al. **Zentralbl Neurochir** 1981;42(4):255–62
[Computerized tomography (CT) in the evaluation of bronchogenic carcinoma (author's transl)] Su XZ. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):26–8 (Eng. Abstr.) **(Chi)**
[Computed tomography (CT) of the cranium in clinical application (author's transl)] **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):82–6 **(Chi)**
[The value and limitation of computed tomography in the diagnosis of intracranial space–occupying lesions (author's transl)] Shen TZ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):87–90 **(Chi)**
[CT diagnosis in hypertensive intracerebral hematoma (author's transl)] Zhang YT, et al.

Chung Hua I Hsueh Tsa Chih 1982 Apr;62(4):197–9 (Eng. Abstr.) **(Chi)**

[Computerized tomography scanning in cerebral arteriovenous malformations (author's transl)] Xue QC. **Chung Hua Wai Ko Tsa Chih** 1982 Jan;20(1):14–5 **(Chi)**

[Computerized tomography in surgery (author's transl)] Zhang TL. **Chung Hua Wai Ko Tsa Chih** 1980 Apr; 18(2):179–82 **(Chi)**

[Application of computed tomography in ophthalmology (author's transl)] Fang Z. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):113–6 **(Chi)**

[Brief introduction to CT scan in the diagnosis of intraorbital space-taking lesions (author's transl)] Pang RQ. **Chung Hua Yen Ko Tsa Chih** 1982 Jan;18(1):43–5 **(Chi)**

[B-scan ultrasonography and computerized tomography of intraorbital hemangiomas (author's transl)] Song GX. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):200–3 **(Chi)**

[Computed tomography in diagnosis of adenocarcinoma of pancreas (author's transl)] Wang JH. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1203–9 (Eng. Abstr.) **(Chi)**

[Inconsistent findings between electroencephalography and computerized axial tomography (author's transl)] Seidl Z, et al. **Cas Lek Cesk** 1982 Feb 12;121(6):167–9 (Eng. Abstr.) **(Cze)**

[Ultrasonography, computer tomography and transparietal cholangiography in the diagnosis of pancreatic and biliary tract diseases] Vítek J, et al. **Cesk Gastroenterol Vyz** 1982 Jun;36(3–4):185–92 **(Cze)**

[Relationship of ultrasound and computer tomography in the diagnostic algorithm of uterine and ovarian tumours (author's transl)] Jirouš J, et al. **Cesk Gynekol** 1982 Jun; 47(5):350–7 (Eng. Abstr.) **(Cze)**

[Various stages of encephalomalacia in computer tomography] Kvičala V. **Cesk Neurol Neurochir** 1982 May; 45(3):163–9 (Eng. Abstr.) **(Cze)**

[Analysis of 76 patients with sudden cerebrovascular attacks with emphasis on computer tomography findings] Nettl S, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):289–93 (Eng. Abstr.) **(Cze)**

[The significance of CT diagnosis in Wilson's disease] Vymazal J, et al. **Cesk Neurol Neurochir** 1982 May; 45(3):148–55 (Eng. Abstr.) **(Cze)**

[Our first experience with computerized tomography of the spine and the spinal cord (author's transl)] Černoch Z, et al. **Cesk Radiol** 1981 Sep;35(5):352–8 (Eng. Abstr.) **(Cze)**

[Computed tomography of tumors in the nose, paranasal sinuses and nasopharynx] Nehen AM, et al. **Ugeskr Laeger** 1981 Sep 28;143(40):2561–3 (Eng. Abstr.) **(Dan)**

[Brain abscess: new insights in diagnosis and treatment] ter Berg JW, et al. **Ned Tijdschr Geneeskd** 1982 Jan 9; 126(2):50–5 (Eng. Abstr.) **(Dut)**

[Computerized tomography in hip disorders] Visser JD, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1172–6 (Eng. Abstr.) **(Dut)**

[Computed tomography in the diagnosis of adhesive arachnoiditis] Pyhtinen J, et al. **Duodecim** 1981; 97(19):1622–5 (Eng. Abstr.) **(Fin)**

[Computed tomography of the orbit] Pyhtinen J, et al. **Duodecim** 1982;98(6):468–76 (Eng. Abstr.) **(Fin)**

[Visualization of adrenal tumors] Suramo I, et al. **Duodecim** 1982;98(11):879–85 (Eng. Abstr.) **(Fin)**

[A confrontation of the value of computerized tomography and retrograde cholangiowirsungography in the lesions of the pancreato-biliary ductal system (author's transl)] Darras T, et al. **Acta Gastroenterol Belg** 1981 May-Jun; 44(5–6):234–44 (Eng. Abstr.) **(Fre)**

[The contribution of ultrasonography and computerized tomography to the diagnosis of jaundice induced by obstruction of the extrahepatic bile ducts (author's transl)] Lousse JP, et al. **Acta Gastroenterol Belg** 1981 Nov-Dec; 44(11–12):523–7 **(Fre)**

[The importance of the scanner in spine pathology. Contribution to the diagnosis of spinal canal stenoses] Massare C. **Acta Orthop Belg** 1981 Jul-Oct;47(4–5):675–84 **(Fre)**

[Diagnostic problems of renal tumors. Value and inadequacy of echotomography and of computerized axial tomography] Bouffioux C, et al. **Acta Urol Belg** 1981 Jul;49(3):263–72 (Eng. Abstr.) **(Fre)**

[Anaesthesia for computerised axial tomography in children (author's transl)] Magnin G, et al. **Anesth Analg (Paris)** 1981;38(9–10):475–7 (Eng. Abstr.) **(Fre)**

[Nurseling and children general anaesthesia in brain neuroradiology: from gaz tomoencephalography to brain computer tomography (author's transl)] Petitdidier M, et al. **Anesth Analg (Paris)** 1981;38(9–10):469–73 (Eng. Abstr.) **(Fre)**

[Detection of pituitary adenomas by computerized tomography (author's transl)] Lemaitre G, et al. **Ann Med Interne (Paris)** 1982;133(1):33–4 (Eng. Abstr.) **(Fre)**

[Computed cranial tomography in children (author's transl)] Hassan M. **Ann Pediatr (Paris)** 1982 Mar;29(3):161–7 (Eng. Abstr.) **(Fre)**

[Cranial CT in child abuse (author's transl)] Roussey M, et al. **Ann Radiol (Paris)** 1982 Apr-May;25(4):237–43 (Eng. Abstr.) **(Fre)**

[Abdominal CT: role of a gas reducing drug (author's transl)] Sarrat P, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):222–4 (Eng. Abstr.) **(Fre)**

[Value of computerized axial tomography of the brain in children born with asphyxia (author's transl)] Gérard P, et al. **Arch Fr Pediatr** 1981 Oct;38(8):591–6 (Eng. Abstr.) **(Fre)**

[Cerebral CT-scan in malnourished infant (author's transl)] Monnet P, et al. **Arch Fr Pediatr** 1981 Oct;38(8):613–4 (Eng. Abstr.) **(Fre)**

[The bases of tomodensitometry (scanner)] Djourno A. **Bull Acad Natl Med (Paris)** 1981 May;165(5):589–92 **(Fre)**

[Scanographic study of 100 cases of adrenal diseases] Picard JD, et al. **Bull Acad Natl Med (Paris)** 1981 Jan;165(1):57–73 **(Fre)**

[A seminar on tomodensitometry of the body] Picard JD. **Bull Acad Natl Med (Paris)** 1981 May;165(5):593–5 (Eng. Abstr.) **(Fre)**

[Micropapilla and congenital atrophy of the optic nerve. Value of tomodensitometric examination. Apropos of several cases] Amalric P. **Bull Soc Ophtalmol Fr** 1982 Jan; 82(1):107–11 **(Fre)**

[Value of the scanner in the evaluation of endocrine exophthalmos] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6–7):663–6 (Eng. Abstr.) **(Fre)**

[Value of tomodensitometry in the study of crystalline density : current status] Campagne JC, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):963–4 **(Fre)**

[Fluorescence angiography and tomodensitometry in the diagnosis of tumors of the ciliary body in the presence of a cataract - apropos of a case] Devlamynck S, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6–7):689–91 (Eng. Abstr.) **(Fre)**

[Cavernous hemangioma of the orbit. Tomodensitometric diagnosis. Association with angioma of the choroid] Montard M, et al. **Bull Soc Ophtalmol Fr** 1981 Aug-Sep; 81(8–9):607–9 (Eng. Abstr.) **(Fre)**

[Thin osseous cross-sections by computed tomography: example of the distal end of the humerus in modern man (author's transl)] Le Floch P. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):609–12 **(Fre)**

[Distal humeral end in pan and pongo: first results from a tomographic approach (author's transl)] Senut B. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):613–6 **(Fre)**

[Comparative value of echotomography, computed tomography and aortography in the assessment of ectasia of the sub-renal aorta. 43 cases (author's transl)] Imbert P, et al. **Chirurgie** 1981;107(8):592–6 (Eng. Abstr.) **(Fre)**

[Computed tomography in schizophrenic patients. Results from 15 patients. Review of the literature (author's transl)] Reynaud M, et al. **Encephale** 1981;7(3):251–62 (Eng. Abstr.) **(Fre)**

[Contribution of CAT to the treatment planning of Hodgkin's disease (author's transl)] Massant B, et al. **J Belge Radiol** 1981;64(2):157–62 (Eng. Abstr.) **(Fre)**

[Contribution of computed tomography to the exploration of aortic aneurysms (author's transl)] Dauver A, et al. **J Chir (Paris)** 1981 Dec;118(12):701–12 (Eng. Abstr.) **(Fre)**

[Ultrasonography and computed tomography in ophthalmological practice: comparative value during exploration of the eye and orbit (author's transl)] Toufic N, et al. **J Fr Ophtalmol** 1981;4(6–7):487–502 (Eng. Abstr.) **(Fre)**

[2 unusual examples of comparison of tomodensitometry with endoscopy in rhinology] Willemot J, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):493 **(Fre)**

[Diagnostic value of the CT scan in suppurative abdominal lesions (author's transl)] Caron-Poitreau C, et al. **J Radiol** 1981 May;62(5):283–90 (Eng. Abstr.) **(Fre)**

[Radiological examinations in cherubism. Value of computed tomography in two cases (author's transl)] Cavezian R, et al. **J Radiol** 1981 Jun-Jul;62(6–7):373–6 **(Fre)**

[Oesophageal cancer extension. Diagnostic contribution and effects on therapy of computed tomography. Report on 40 cases (author's transl)] Coulomb M, et al. **J Radiol** 1981 Oct;62(10):475–87 (Eng. Abstr.) **(Fre)**

[Localised renal infarcts presenting as pseudotumours on computed tomography (author's transl)] Dondelinger R, et al. **J Radiol** 1981 Jun-Jul;62(6–7):369–71 **(Fre)**

[Computed tomography guided percutaneous aspiration and drainage of thoracic and abdominal fluid collections (author's transl)] Dondelinger R, et al. **J Radiol** 1982 Feb; 63(2):75–83 (Eng. Abstr.) **(Fre)**

[Computed tomography diagnosis of anomalies of aortic arch of the adult (author's transl)] Frija J, et al. **J Radiol** 1982 Mar;63(3):159–65 (Eng. Abstr.) **(Fre)**

[Gas in a pyelic calculus (author's transl)] Frija J, et al. **J Radiol** 1982 Jan;63(1):53–4 (Eng. Abstr.) **(Fre)**

[The brain of Paul Broca (1824–1880). Correlation of pathological and computed tomography findings (author's transl)] Huard P, et al. **J Radiol** 1982 Mar;63(3):175–80 (Eng. Abstr.) **(Fre)**

[Contribution of computed tomography to the exploration of congenital anomalies of the inferior vena cava. A report on five cases (author's transl)] Lardé D, et al. **J Radiol** 1981 Jun-Jul;62(6–7):363–7 (Eng. Abstr.) **(Fre)**

[Diagnostic value of computed tomography in blood diseases (author's transl)] Vasile N, et al. **J Radiol** 1982 Mar; 63(3):151–7 (Eng. Abstr.) **(Fre)**

[Computed tomography finding in circumscribed lesions of the liver (author's transl)] Vasile N, et al. **J Radiol** 1981 Oct;62(10):489–95 (Eng. Abstr.) **(Fre)**

[Venous extension of renal cancer. Diagnostic value of computed tomography (author's transl)] Vasile N, et al. **J Radiol** 1981 Dec;62(12):615–20 (Eng. Abstr.) **(Fre)**

[Computed tomography of the pathological pelvis (author's transl)] Vogel H, et al. **J Radiol** 1982 Mar;63(3):145–9 **(Fre)**

[Computed tomography in renal trauma (author's transl)] Rognon L, et al. **J Urol (Paris)** 1982;88(2):61–74 (Eng. Abstr.) **(Fre)**

[Application of the scanographic test to the diagnosis and treatment of cerebral abscesses and bacterial encephalitis] Rousseaux M, et al. **Lille Med** 1981 Apr-May; 26(4–5):153–61 **(Fre)**

[The preoperative diagnosis of intracerebral hydatid cysts by scanner and its prognostic importance (author's transl)] Abbassioun K, et al. **Neurochirurgie** 1982;28(1):21–4 (Eng. Abstr.) **(Fre)**

[Malignant hemispheric astrocytomas in the adult. Limits of the scanner (author's transl)] Caillé JM, et al. **Neurochirurgie** 1981;27(5):261–7 (Eng. Abstr.) **(Fre)**

[Practical method for the preoperative spatial localisation of small intracranial neoplasms from scanner data (author's transl)] Nguyen JP, et al. **Neurochirurgie** 1980;26(5):333–9 (Eng. Abstr.) **(Fre)**

[C.T. scan and traumatic intracranial haematoma without clinical signs (author's transl)] Pierron D, et al. **Neurochirurgie** 1981;27(4):213–6 (Eng. Abstr.) **(Fre)**

[Sub-arachnoid haemorrhage due to rupture of aneurysm. Early CT scan may be used to predict the development of spasm? (author's transl)] Robert G, et al. **Neurochirurgie** 1981;27(2):129–31 (Eng. Abstr.) **(Fre)**

[Detection of intracardiac thrombi by scanography (letter)] Benichou M, et al. **Nouv Presse Med** 1981 Nov 7; 10(40):3322–3 **(Fre)**

[Radio-transparent renal calculi and epithelial tumours. Contribution of ultrasound and CT scan to the diagnosis (author's transl)] Boccon Gibod L, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3231–2 (Eng. Abstr.) **(Fre)**

[Diagnosis of kidney tumors. Is scanning a luxury or a necessity? (letter)] Gibod LB, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3575 **(Fre)**

[Transient adrenal tumefaction demonstrated by scanography in acute pancreatitis (letter)] Manzoni JM, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3074–5 **(Fre)**

[Tomodensitometry in Hematology (author's transl)] Tubiana M. **Nouv Rev Fr Hematol** 1981 Sep;23(3):139–42 **(Fre)**

[Meningeal reactions to primary tuberculous infection in infants. Contribution of cerebral tomodensitometry] Couvreur J, et al. **Pediatrie** 1981 Dec;36(8):627–30 (Eng. Abstr.) **(Fre)**

[Analysis of torsion defects in the child using tomodensitometry] Jacquemier M, et al. **Rev Chir Orthop** 1982;68(1):24–8 **(Fre)**

[Diagnostic radiology in mediastinal disorders : technical progress and current strategy (author's transl)] Coulomb M, et al. **Rev Fr Mal Respir** 1981;9(1):27–43 (Eng. Abstr.) **(Fre)**

[The value of computed tomography in the assessment of thoracic mesothelioma (author's transl)] Dabouis G, et al. **Rev Fr Mal Respir** 1981;9(3):257–63 (Eng. Abstr.) **(Fre)**

[The value of scanograpy in the diagnosis of lumbar disc hernias] Sarbach B, et al. **Rev Med Suisse Romande** 1981 Aug;101(8):643–7 **(Fre)**

[Transverse computer tomography and renal pathology] Schnyder P. **Rev Med Suisse Romande** 1981 Aug; 101(8):601–16 **(Fre)**

[The scanner in the diagnosis of subarachnoid haemorrhage (author's transl] Braun JP, et al. **Rev Otoneuroophtalmol** 1981 Oct-Dec;53(5):429–32 (Eng. Abstr.) **(Fre)**

[The contribution and limitations of computed tomography in the diagnosis of cerebellar vascular accidents (author's transl)] Thiebot J, et al. **Rev Otoneuroophtalmol** 1982 Jan-Feb;54(1):25–32 (Eng. Abstr.) **(Fre)**

[Our experience with a short series of tests of the reliability of tomodensitometry without contrast in the diagnosis of lumbar disk hernia] Chaouat Y, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):640 **(Fre)**

[A case of spinal osteoid osteoma difficult to diagnose. Value of tomodensitometry] Turpin P, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):395–7 **(Fre)**

[The value and advantage of computer assisted tomography as compared to angiography in evaluating patency of aorto-coronary grafts] Hauser H, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1651–4 (Eng. Abstr.) **(Fre)**

[Computed tomography in the giant intracranial aneurysms (author's transl)] Petit-Perrin D, et al. **Sem Hop Paris** 1981 Sep 8–15;57(29–32):1301–5 (Eng. Abstr.) **(Fre)**

[Computed tomography of the head in gunshot wounds. Thirty-three cases (author's transl)] Sichez JP, et al. **Sem Hop Paris** 1982 Mar 25;58(12):715–7 (Eng. Abstr.) **(Fre)**

[Computed tomography in ischemic cerebral lesions (author's transl)] Megret M. **Ther Umsch** 1981 Aug;38(8):809–15 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of liver echinococcosis using as example computer tomographic findings] Grabbe E. **Aktuel Probl Chir Orthop** 1982;23:80–1 **(Ger)**

[Computer tomographic diagnosis of echinococcosis] Hübener KH, et al. **Aktuel Probl Chir Orthop** 1982;23:75–9

(Ger)
[Differential diagnosis of infratentorial atrophies by computed tomography (author's transl)] Claus D, et al. **Arch Psychiatr Nervenkr** 1982;231(3):289–303 (Eng. Abstr.) (Ger)

[Correlation of infarctions of the visual cortex with homonymous visual field defects. A computer tomographic study (author's transl)] Ostertag CB, et al. **Arch Psychiatr Nervenkr** 1981;230(3):265–74 (Eng. Abstr.) (Ger)

[CT differential diagnosis and findings in intracerebral haemorrhage (author's transl)] Schumacher M, et al. **Arch Psychiatr Nervenkr** 1982;231(2):171–85 (Eng. Abstr.) (Ger)

[X-ray diagnostic procedures in cases involving craniocerebral trauma] Baudisch E, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):4–11 (Eng. Abstr.) (Ger)

[Computertomography of the spine] Verbiest H. **Beitr Orthop Traumatol** 1981 Oct;28(10):521–49 (Eng. Abstr.) (Ger)

[Combined evaluation of echography and computed X-ray tomography in orbital diseases] Buschmann W. **Buch Augenarzt** 1982;90:145–56 (Eng. Abstr.) (Ger)

[Using computer tomography in ophthalmology – examination with a body scanner somatome] Demmler N, et al. **Buch Augenarzt** 1982;90:198–201 (Ger)

[Computer tomography of the orbit] Evans PY, et al. **Buch Augenarzt** 1982;90:157–84 (Eng. Abstr.) (Ger)

[Findings of axial and vertical computer tomography in changes in the intracranial visual pathways] Geissendörfer T, et al. **Buch Augenarzt** 1982;90:192–3 (Eng. Abstr.) (Ger)

[Possibilities in the differentiation of orbital changes using early computer tomography] Koniszewski G, et al. **Buch Augenarzt** 1982;90:194–7 (Ger)

[Computer tomography in ophthalmological diseases] Toppel L. **Buch Augenarzt** 1982;90:93–6 (Ger)

[Computer tomography of the orbit] Welge-Lüssen L. **Buch Augenarzt** 1982;90:185–91 (Eng. Abstr.) (Ger)

[Computerized tomography of the talo-crural joint] Dihlmann W. **Chirurg** 1982 Feb;53(2):123–6 (Eng. Abstr.) (Ger)

[Direct sagittal computed tomography of the skull: method and preliminary results (author's transl)] Blümm R. **Dtsch Med Wochenschr** 1981 Oct 23;106(43):1416–7 (Eng. Abstr.) (Ger)

[Computed tomographic brain scanning in the diagnosis of metastatic neoplasms (author's transl)] Ringelstein EB, et al. **Dtsch Med Wochenschr** 1981 Nov 20;106(47):1566–71 (Eng. Abstr.) (Ger)

[Ultrasonographic studies in tumors of the mouth floor and tongue in computer tomographically determined cervical lymph node metastases] Hauenstein H, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):746–51 (Eng. Abstr.) (Ger)

[Value of computer tomography in malignant tumors of the middle face] Schwenzer N, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):745 (Ger)

[Prognosis of cerebral ischemia. Significance of the cerebrospinal fluid lactate level and computer tomographic findings] Busse O. **Fortschr Med** 1982 Jul 1; 100(25):1197–200 (Eng. Abstr.) (Ger)

[Thoracic computer tomography for the evaluation of the thymus gland in cases of myasthenia gravis (author's transl)] Druschky KF, et al. **Fortschr Neurol Psychiatr** 1981 Nov; 49(11):415–21 (Eng. Abstr.) (Ger)

[Cranial computed tomography in schizophrenia research] Gattaz WF, et al. **Fortschr Neurol Psychiatr** 1981 Jul; 49(7):286–91 (Eng. Abstr.) (Ger)

[The localization and differential diagnosis of benign and malignant gynaecological tumours in the axial computer assisted tomogram (author's transl)] Langer M, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):551–5 (Eng. Abstr.) (Ger)

[Computerized tomography as extension of the diagnostic repertoire in equivocal gynaecological palpation findings (author's transl)] Pohl R, et al. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):689–93 (Eng. Abstr.) (Ger)

[On the CT-diagnosis of optic nerve lesions. Differential diagnostic criteria (author's transl)] Unsöld R. **Graefes Arch Clin Exp Ophthalmol** 1982;218(3):124–38 (Eng. Abstr.) (Ger)

[The value of angiography, sonography and computerized tomography in colorectal diseases] Haertel M, et al. **Helv Chir Acta** 1982 Feb;48(6):733–43 (Eng. Abstr.) (Ger)

[Diagnosis of angiomyolipomas with special attention of computer tomography] Hantelmann W, et al. **Helv Chir Acta** 1981 Aug;48(3–4):359–64 (Ger)

[Superior sagittal sinus thrombosis is the newborn--diagnosis by computerized tomography] Schubiger G, et al. **Helv Paediatr Acta** 1982 May;37(2):193–9 (Eng. Abstr.) (Ger)

[Early diagnosis of acoustic neuroma by the vestibular tests. Indication for computerized tomography and cisternomeatography (author's transl)] Haid T, et al. **HNO** 1981 Nov;29(11):357–63 (Eng. Abstr.) (Ger)

[Value of abdominal computer tomography for the diagnosis of Cushing syndrome] Fink R, et al. **Internist (Berlin)** 1982 May;23(5):287–90 (Ger)

[X-ray tomography in fractures of the temporal bone and injuries of the ossicula (author's transl)] Frey KW, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Sep;60(9):451–70 (Eng. Abstr.) (Ger)

[Possibilities and limitations of computerized cranial tomography in psychiatric diseases and disorders] Gross G, et al. **Lebensversicherungsmedizin** 1982 Jan;34(1):3–9 (Eng. Abstr.) (Ger)

[Staging and follow-up of acute pancreatitis by angio-computer tomography (author's transl)] Friedmann G, et al. **Leber Magen Darm** 1980 Dec;10(6):303–8 (Eng. Abstr.) (Ger)

[Follow-up computer tomography in patients with carcinoma of the rectum (author's transl)] Hübener KH, et al. **Leber Magen Darm** 1980 Dec;10(6):309–16 (Eng. Abstr.) (Ger)

[Computer tomography in the diagnosis of the retroperitoneal lymph system] Müller RP, et al. **Med Welt** 1982 Jun 25; 33(25):933–5 (Ger)

[Lissencephaly: cerebral malformation on computerized tomography (author's transl)] Neher KD, et al. **Monatsschr Kinderheilkd** 1982 Apr;130(4):229–32 (Eng. Abstr.) (Ger)

[Association between E.E.G. and C.A.T. findings following head injury (author's transl)] Koufen H, et al. **Nervenarzt** 1981 Nov;52(11):655–9 (Ger)

[Frequency and clinical significance of CAT findings in purulent and lymphocytic meningitis (author's transl)] Schneider E, et al. **Nervenarzt** 1982 Feb;53(2):98–104 (Ger)

[Computerized tomographic findings in brain contusions (author's transl)] Kretschmer H, et al. **Neurochirurgia (Stuttg)** 1981 Jul;24(4):123–7 (Eng. Abstr.) (Ger)

[First experiences with serial computed tomography in choroidal melanomas (author's transl)] Guthoff R, et al. **Ophthalmologica** 1981;183(3):154–61 (Eng. Abstr.) (Ger)

[Computerized tomography in the diagnosis of pleural disease (author's transl)] Greb KH, et al. **Prax Klin Pneumol** 1982 Feb;36(2):84–8 (Ger)

[Demonstration by non-invasive methods of an azygos continuation of the inferior vena cava (author's transl)] Klapdor R, et al. **Prax Klin Pneumol** 1982 Jan;36(1):3–6 (Eng. Abstr.) (Ger)

[Computer tomography as a supplement to X-ray examination of the mediastinum (author's transl)] Scheid KF, et al. **Prax Klin Pneumol** 1981 Aug;35(8):354–8 (Eng. Abstr.) (Ger)

[Computerized tomography of the brain in patients with epilepsy (author's transl)] Huber P, et al. **Praxis** 1981 Sep 1;70(36):1553–7 (Eng. Abstr.) (Ger)

[Indications for cranial computerized tomography by epileptic patients from the point of view of the practizing neurologist (author's transl)] Medici V. **Praxis** 1981 Sep 1;70(36):1558–61 (Ger)

[Computed tomography of the spine (author's transl)] Schubiger O, et al. **Praxis** 1982 Apr 20;71(16):674–80 (Eng. Abstr.) (Ger)

[Computerized tomography in detecting metastases of thyroid cancer (author's transl)] Vock P. **Praxis** 1982 Mar 30;71(13):538–40 (Eng. Abstr.) (Ger)

[The significance of computerized tomography for the diagnosis of cerebral venous and sinus thromboses] Leonhard T, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Mar; 34(3):161–9 (Eng. Abstr.) (Ger)

[Effects of computer tomography on the indications and diagnostic strategy in important neurologic disease groups] Planitzer J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul;33(7):389–99 (Eng. Abstr.) (Ger)

[The significance of computer tomography for the diagnosis of stroke] Schulze HA, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul;33(7):400–8 (Eng. Abstr.) (Ger)

[The indications for neuroradiologic examination methods after the introduction of computer tomography] Seidel K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jul; 33(7):385–8 (Eng. Abstr.) (Ger)

[First experiences with computer tomography of acute abdomen (author's transl)] Leyda H, et al. **Radiol Diagn (Berl)** 1981;22(3):290–2 (Eng. Abstr.) (Ger)

[Computer-tomography assisted fine-needle puncture] Lüning M, et al. **Radiol Diagn (Berl)** 1981;22(3):293–6 (Ger)

[Computer tomography in bladder diverticular carcinoma] Lüning M, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):198–203 (Ger)

[On the importance of cerebral computer tomography in the neurological intensive therapy (author's transl)] Michalik M, et al. **Radiol Diagn (Berl)** 1981;22(3):283–6 (Eng. Abstr.) (Ger)

[On the indication of spinal computer tomography (author's transl)] Molsen HP, et al. **Radiol Diagn (Berl)** 1981; 22(3):279–82 (Eng. Abstr.) (Ger)

[Spectrum of computer tomographic examinations (analysis, results and conclusions) (author's transl)] Planitzer J, et al. **Radiol Diagn (Berl)** 1981;22(3):254–6 (Eng. Abstr.) (Ger)

[Changed diagnostic strategy for tumors of the cerebellar bulbar angle by computer tomography (author's transl)] Planitzer J, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):204–9 (Eng. Abstr.) (Ger)

[Possible false diagnoses in whole-body computer tomography (examples of cases) (author's transl)] Pötzschke B, et al. **Radiol Diagn (Berl)** 1981;22(3):275–8 (Eng. Abstr.) (Ger)

[Use of computer tomography in the gynecological tumour diagnosis – problems and demonstration of diagnostical possibilities (author's transl)] Pötzschke B, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):190–7 (Eng. Abstr.) (Ger)

[Problems of monitor photography (author's transl)] Prell H. **Radiol Diagn (Berl)** 1981;22(3):271–4 (Eng. Abstr.) (Ger)

[The diagnosis of retroperitoneal tumour spread with computer tomography (author's transl)] Schmidt F, et al. **Radiol Diagn (Berl)** 1981;22(3):297–300 (Eng. Abstr.) (Ger)

[First experience report CT 100 (author's transl)] Schmidt V, et al. **Radiol Diagn (Berl)** 1981;22(3):262–3 (Eng. Abstr.) (Ger)

[Spectrum of computer tomographic examinations (analysis, results and conclusions) (author's transl)] Schulz HG, et al. **Radiol Diagn (Berl)** 1981;22(3):257–61 (Eng. Abstr.) (Ger)

[Competitive and supplementary use of ultrasonic diagnosis and computer scintigraphy (author's transl)] Seidel K, et al. **Radiol Diagn (Berl)** 1981;22(3):264–6 (Eng. Abstr.) (Ger)

[On the radiation dose in computer tomography] Stargardt A, et al. **Radiol Diagn (Berl)** 1981;22(3):305–8 (Ger)

[Computed tomography of abdominal trauma (author's transl)] Friedmann G, et al. **Radiologe** 1982 Mar;22(3):112–6 (Ger)

[Computed tomography of ovarian tumours-progress in diagnosis (author's transl)] Rohde U, et al. **Radiologe** 1982 Apr;22(4):146–53 (Ger)

[Computed Axial tomography in patients with abdomino-perineal excision. A radiological and clinical control (author's transl)] Schepke P, et al. **Radiologe** 1982 Apr;22(4):162–5 (Eng. Abstr.) (Ger)

[Importance of computed tomography for the diagnosis of tumors of the uterus and recurrent lesions (author's transl)] Steinbrich W, et al. **Radiologe** 1982 Apr;22(4):154–61 (Ger)

[Computed tomography and/or ventriculography? (author's transl)] Wende S, et al. **Radiologe** 1982 Jan;22(1):38–44 (Eng. Abstr.) (Ger)

[The computer tomographic and angiographic appearances of highly vascular intracranial lipomas (angiolipomas) (author's transl)] Böker DK, et al. **ROFO** 1981 Dec; 135(6):695–8 (Ger)

[Aortic aneurysms and aortic dissection. Computed tomography – angiography – sonography (author's transl)] Brecht G, et al. **ROFO** 1981 Oct;135(4):388–98 (Eng. Abstr.) (Ger)

[The value of computer tomography in the diagnosis of congenital spinal malformations particularly diastematomyelia (author's transl)] Claussen C, et al. **ROFO** 1980 Nov;133(5):520–7 (Eng. Abstr.) (Ger)

[Computed tomography of the hip joint] Dihlmann W. **ROFO** 1981 Sep;135(3):333–42 (Eng. Abstr.) (Ger)

[Lipiodol embolism of the liver on a computer tomogram] Feuerbach S, et al. **ROFO** 1981 Nov;135(5):604–5 (Ger)

[Diagnosis of Caroli syndrome with hepatobiliary sequence scintigraphy] Fischedick AR, et al. **ROFO** 1980 Nov; 133(5):547–9 (Ger)

[Computer tomographic diagnosis of Caroli's syndrome (author's transl)] Fischedick AR, et al. **ROFO** 1982 Jan; 136(1):74–7 (Eng. Abstr.) (Ger)

[Computer tomography of retroperitoneal trauma (author's transl)] Fischedick AR, et al. **ROFO** 1982 Jan;136(1):56–9 (Eng. Abstr.) (Ger)

[Computer tomography following renal trauma (author's transl)] Fretz C, et al. **ROFO** 1981 Dec;135(6):653–6 (Ger)

[The differential diagnosis of primary multiple lesions seen on brain CT (author's transl)] Friedmann G, et al. **ROFO** 1981 Oct;135(4):417–21 (Ger)

[The fascial planes round the rectum. Anatomic and computer tomographic correlations (author's transl)] Grabbe E, et al. **ROFO** 1982 Jun;136(6):653–9 (Eng. Abstr.) (Ger)

[Computer tomography in herpes simplex encephalitis. Stages in the development of CT changes (author's transl)] Hacke W, et al. **ROFO** 1981 Oct;135(4):426–31 (Eng. Abstr.) (Ger)

[Computed tomographic demonstration of retroperitoneal haematoma following translumbar aortography (author's transl)] Hagen B, et al. **ROFO** 1980 Nov;133(5):496–501 (Eng. Abstr.) (Ger)

[Computer tomographic diagnosis of cysticercosis] Hammer B, et al. **ROFO** 1981 Sep;135(3):365–7 (Ger)

[Computer tomographic investigation of ancient Egyptian mummies (author's transl)] Hübener KH, et al. **ROFO** 1981 Aug;135(2):213–9 (Ger)

[CT detection of central pulmonary embolism (author's transl)] Jaschke W, et al. **ROFO** 1981 Oct;135(4):399–403 (Ger)

[Computer tomographic evaluation of free fatty tissue grafts following laminectomy] Lackner K, et al. **ROFO** 1982 Jun; 136(6):744–5 (Ger)

[Computer tomography of aorto-coronary bypass (author's transl)] Lackner K, et al. **ROFO** 1980 Nov;133(5):459–65 (Eng. Abstr.) (Ger)

[Importance of the CT axial projection for the evaluation of pharyngeal injuries] Lörinc P, et al. **ROFO** 1982 Jun; 136(6):742–4 **(Ger)**

[Computer-tomographic evaluation of tumors of the pelvis (author's transl)] Majewski A, et al. **ROFO** 1982 Jun; 136(6):635–40 (Eng. Abstr.) **(Ger)**

[Computer tomographic features of peritoneal carcinosis (author's transl)] Mödder U, et al. **ROFO** 1982 Jan; 136(1):60–3 (Eng. Abstr.) **(Ger)**

[The value of CT in the pre-operative diagnosis of disc prolapse (author's transl)] Müller HA, et al. **ROFO** 1981 Nov;135(5):535–40 (Eng. Abstr.) **(Ger)**

[Computer tomographic and sonographic demonstration of renal haematomas following percutaneous renal biopsy (author's transl)] Nebel G, et al. **ROFO** 1982 Apr; 136(4):413–6 (Eng. Abstr.) **(Ger)**

[Computer tomographic densitometry of formalin-fixed and frozen human tissue (author's transl)] Schmitt WG, et al. **ROFO** 1980 Nov;133(5):531–4 (Eng. Abstr.) **(Ger)**

[Intracranial germinoma; typical CT appearances and radiation therapy (author's transl)] Schneider GH, et al. **ROFO** 1981 Oct;135(4):422–5 (Eng. Abstr.) **(Ger)**

[Computed tomography for injuries of the liver and spleen (author's transl)] Schöpf R, et al. **ROFO** 1982 Jun; 136(6):681–4 **(Ger)**

[Computer assisted myelography in the investigation of intraspinal space-occupying lesions (author's transl)] Schöter I, et al. **ROFO** 1980 Nov;133(5):527–30 (Eng. Abstr.) **(Ger)**

[Pendulation of choanal polyp detected by tomography (author's transl)] Sjöberg S, et al. **ROFO** 1982 Jun; 136(6):700–4 (Eng. Abstr.) **(Ger)**

[Radiological findings in lipoid proteinosis (author's transl)] Walter E, et al. **ROFO** 1981 Aug;135(2):156–60 **(Ger)**

[Computer tomographic diagnosis of malignant tumours of the larynx (author's transl)] Zaunbauer W, et al. **ROFO** 1982 Jun;136(6):694–9 **(Ger)**

[Computer tomography of pulmonary aplasia (author's transl)] Zaunbauer W, et al. **ROFO** 1981 Dec;135(6):682–6 **(Ger)**

[Importance of computed tomography in renal lesions (author's transl)] Fischedick AR, et al. **Rontgenblatter** 1982 Jun;35(6):218–21 (Eng. Abstr.) **(Ger)**

[CT morphology of biliary neoplasias (author's transl)] Fischedick AR, et al. **Rontgenblatter** 1982 Jul;35(7):264–6 (Eng. Abstr.) **(Ger)**

[Serial CT of liver – possibilities and limitations (author's transl)] Grabbe E, et al. **Rontgenblatter** 1982 May; 35(5):181–6 (Eng. Abstr.) **(Ger)**

[CT imaging of the femoropopliteal and femorocrural bypass (author's transl)] Grote R, et al. **Rontgenblatter** 1981 Nov; 34(11):429–33 **(Ger)**

[CT in relapsing rectal carcinomas (author's transl)] Hajek P, et al. **Rontgenblatter** 1982 Sep;35(9):350–4 (Eng. Abstr.) **(Ger)**

[Algorithmic fundamentals of computerized tomography and of transverse analogue tomography (author's transl)] Heckmann K. **Rontgenblatter** 1981 Oct;34(10):394–6 (Eng. Abstr.) **(Ger)**

[Assessment of the tracheal cross-section by computerised tomography (author's transl)] Imhof H, et al. **Rontgenblatter** 1982 Jan;35(1):17–8 (Eng. Abstr.) **(Ger)**

[Examination of spinal canal by computerized tomography (author's transl)] Kuckein D. **Rontgenblatter** 1981 Oct; 34(10):387–93 (Eng. Abstr.) **(Ger)**

[Significance of ultrasonography and computerized tomography in the diagnosis of peritoneal carcinosis (author's transl)] Lorenz R, et al. **Rontgenblatter** 1982 May; 35(5):187–90 (Eng. Abstr.) **(Ger)**

[Focal nodular hyperplasia of the liver--is a radiologic diagnosis possible? (author's transl)] Majewski A, et al. **Rontgenblatter** 1982 Jun;35(6):229–35 (Eng. Abstr.) **(Ger)**

[Primary use of functionally oriented gamma scintigraphy following computerized tomography] Maul FD, et al. **Rontgenpraxis** 1981;34(3):101–9 **(Ger)**

[Visualization of aorto-coronary bypass grafts with the aid of non-dynamic computer tomography] Daniel W, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1654–7 (Eng. Abstr.) **(Ger)**

[The problem of metal clip artefacts in computerized tomography] Vock P, et al. **Schweiz Med Wochenschr** 1982 Apr 17;112(16):561–7 (Eng. Abstr.) **(Ger)**

[Four years' experience with radiotherapy planning based on computed tomography (author's transl)] Atzinger A, et al. **Strahlentherapie** 1982 Feb;158(2):97–102 (Eng. Abstr.) **(Ger)**

[Computer tomographic volume and density determinations of irradiated brain tumors] Kretzschmar K, et al. **Strahlentherapie [Sonderb]** 1981;76:125–31 **(Ger)**

[Computer tomographic course controls after brain tumor radiotherapy] Ostertag CB, et al. **Strahlentherapie [Sonderb]** 1981;76:119–24 **(Ger)**

[Roentgen diagnosis of gynecologic tumors with special reference to computer tomography] Rohde U. **Strahlentherapie [Sonderb]** 1981;76:248–58 **(Ger)**

[The value of computer tomography in the diagnosis of abdominal aortic aneurysms] Fenchel G, et al. **Vasa** 1982; 11(1):36–40 (Eng. Abstr.) **(Ger)**

[The clinical value of CT in neuropediatrics (author's transl)] Reisner T. **Wien Klin Wochenschr [Suppl]** 1981;93(130):1–33 (Eng. Abstr.) **(Ger)**

[Importance of computerized tomography for surgical treatment of intracranial hematomas (author's transl)] Diemath HE. **Wien Med Wochenschr** 1982 Mar 31; 132(6):133–6 (Eng. Abstr.) **(Ger)**

[Malpositions of the heart and the great vessels by CT (author's transl)] Köster O, et al. **Z Kardiol** 1982 Apr; 71(4):305–14 (Eng. Abstr.) **(Ger)**

[Computerized tomographic diagnosis of cystic kidney changes] Freitag J, et al. **Z Urol Nephrol** 1982 Jan; 75(1):7–13 (Eng. Abstr.) **(Ger)**

[Value of computer tomography in percutaneous kidney biopsies and attempts at preventing postpuncture bleeding] von Dittrich P, et al. **Z Urol Nephrol** 1982 May;75(5):301–5 (Eng. Abstr.) **(Ger)**

[Computer tomography studies of the kidney] zur Nedden D, et al. **Z Urol Nephrol** 1982 May;75(5):297–300 (Eng. Abstr.) **(Ger)**

[The value of computed tomographic diagnosis of brain tumors] Fauk D, et al. **Zentralbl Neurochir** 1982;43(1):69–76 **(Ger)**

[Clinical significance of whole body tomography] Imhof H. **ZFA (Stuttgart)** 1982 Jan 20;58(2):81–6 **(Ger)**

[Diagnostic importance of computerized tomography in cerebral stroke] Smaltino F, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:55–64 **(Ita)**

[Role of the digital technic in the study of radiological images] Antognetti PF. **Arch E Maragliano Patol Clin** 1980; 36:51–7 **(Ita)**

[Computerized tomography in the study of the lumbar spine (preliminary observations in patients operated on for disk hernia)] Cavina C, et al. **Arch Putti Chir Organi Mov** 1981; 31:101–11 (Eng. Abstr.) **(Ita)**

[Computerized axial tomography in the study of primary bone tumors of the extremities] De Santis E, et al. **Arch Putti Chir Organi Mov** 1980;30:117–24 (Eng. Abstr.) **(Ita)**

[Retroperitoneal tumors: diagnostic problems] Danieli D, et al. **Chir Ital** 1981 Dec;33(6):1145–68 **(Ita)**

[Computerized tomography in the diagnosis of locomotor apparatus diseases] Melis GC, et al. **Chir Organi Mov** 1981; 66(2):207–18 (Eng. Abstr.) **(Ita)**

[Comparative study of thoracic organs using anatomical technics and computerized axial tomography] Fumagalli L, et al. **Chir Patol Sper** 1979 Aug;27(4):361–8 (Eng. Abstr.) **(Ita)**

[A case of Wernicke's syndrome: nutritional considerations and diagnostic use of CAT] Craveri A, et al. **G Clin Med** 1981 Aug;62(8):552–7 **(Ita)**

[Comparative evaluation of echotomography and HIDA in the diagnosis of obstructive jaundice] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):409–14 **(Ita)**

[Use of computerized axial tomography in rectal cancer. The initial results] Guarasci N, et al. **Minerva Chir** 1981 Nov 30;36(22):1513–7 (Eng. Abstr.) **(Ita)**

[Critical notes on thermodosimetry and a hypothesis on the use of computerized tomography in electromagnetic oncologic hyperthermia] Bistolfi F. **Minerva Med** 1982 Jun 30;73(27):1891–8 (Eng. Abstr.) **(Ita)**

[Preoperative evaluation of bronchogenic cancer by traditional and computerized tomography] Porta E, et al. **Minerva Med** 1981 Oct 13;72(39):2601–10 (Eng. Abstr.) **(Ita)**

[Computerized densitometric analysis with cerebral computerized axial tomography in the study of encephalopathy in dialyzed patients] La Greca G, et al. **Minerva Nefrol** 1981 Apr-Jun;28(2):143–6 (Eng. Abstr.) **(Ita)**

[Value and limits of C.T. scan in neurologics diseases in infancy and childhood (author's transl)] Laverda AM, et al. **Pediatr Med Chir** 1981 Nov-Dec;3(6):545–9 (Eng. Abstr.) **(Ita)**

[Patient doses in standard examinations of the skull and pelvic cavity with computerized tomography] Biancotto R, et al. **Radiol Med (Torino)** 1982;68(3):169–73 **(Ita)**

[Theoretical premises for the use of computerized tomography in oncological hyperthermia] Bistolfi F. **Radiol Med (Torino)** 1981 Oct;67(10):739–41 **(Ita)**

[Case of Caroli's disease diagnosed with a non-invasive method] Bonati P, et al. **Radiol Med (Torino)** 1981 Sep; 67(9):662–4 **(Ita)**

[Computerized tomography in the study of 3 cases of pelvic lipomatosis] Cappelli B, et al. **Radiol Med (Torino)** 1982 Jan-Feb;68(1-2):11–6 **(Ita)**

[Evaluation of computerized tomography in osteomuscular tumors of the limbs] Cavallo A, et al. **Radiol Med (Torino)** 1982;68(3):127–32 **(Ita)**

[Advantages of the use of computerized tomography in the study of the distribution of the dose in intracavitary curietherapy] Cionini L, et al. **Radiol Med (Torino)** 1982 Apr;68(4):267–74 **(Ita)**

[Lipoma of the corpus callosum: case report] Dal Pozzo G, et al. **Radiol Med (Torino)** 1982 Jan-Feb;68(1-2):84–6 **(Ita)**

[Value of computerized tomography in the diagnosis of lumbar disk hernia] Di Guglielmo L, et al. **Radiol Med (Torino)** 1982 Jan-Feb;68(1-2):51–6 (Eng. Abstr.) **(Ita)**

[Fogging effect in the ischemic cerebral infarction to computerized tomography (author's transl)] Elefante R, et al. **Radiol Med (Torino)** 1981 Nov;67(11):829–32 (Eng. Abstr.) **(Ita)**

[Comparison of the Nordin index and CT densitometry in the study of the variation of bone mineralization in vivo] Ferrari F, et al. **Radiol Med (Torino)** 1982 Jan-Feb; 68(1-2):41–3 **(Ita)**

[Computed tomography and scintigraphy in the evaluation of patients with myasthenia gravis (author's transl)] Fiore D, et al. **Radiol Med (Torino)** 1981 Nov;67(11):809–14 **(Ita)**

[Orbital bone changes in neurofibromatosis. Tomodensitometric diagnosis] Gaidolfi E, et al. **Radiol Med (Torino)** 1982 May;68(5):379–82 (Eng. Abstr.) **(Ita)**

[The Sturge-Weber syndrome. Tomodensitometric diagnosis] Gaidolfi E, et al. **Radiol Med (Torino)** 1982 Jan-Feb; 68(1-2):61–6 (Eng. Abstr.) **(Ita)**

[Use of contrast media in spinal computerized tomography] Giordano GB, et al. **Radiol Med (Torino)** 1982 May; 68(5):383–5 (21 ref.) **(Ita)**

[Tomodensitometric and pneumoencephalographic study of a case of agenesis of the corpus callosum associated with lipoma] Lozza M, et al. **Radiol Med (Torino)** 1981 Sep; 67(9):665–6 **(Ita)**

[Diagnostic possibilities of computerized tomography in primary hyperaldosteronism (author's transl)] Passariello R, et al. **Radiol Med (Torino)** 1981 Nov;67(11):801–7 (Eng. Abstr.) **(Ita)**

[The use of computerized tomography in recurrences of rectal tumors] Romagnoli R, et al. **Radiol Med (Torino)** 1982 May;68(5):343–8 (Eng. Abstr.) **(Ita)**

[Current role of angiography in the diagnosis of hepatic cavernous hemangioma] Roversi R, et al. **Radiol Med (Torino)** 1981 Dec;67(12):949–56 (Eng. Abstr.) **(Ita)**

[Computerized tomography in the study of skeletal metastases] Stuart C, et al. **Radiol Med (Torino)** 1981 Apr; 67(4):254–6 **(Ita)**

[The predictive value of serial scintigraphy and computerized tomography in the diagnosis of brain lesions (author's transl)] Taroio GL, et al. **Radiol Med (Torino)** 1981 Dec; 67(12):971–5 (11 ref.) (Eng. Abstr.) **(Ita)**

[Computed tomography in the evaluation of jaundiced patients (author's transl)] Vigo M, et al. **Radiol Med (Torino)** 1981 Sep;67(9):609–14 **(Ita)**

[Computerized tomography in intracranial expansive processes] Sepe O, et al. **Riv Neurobiol** 1980 Apr-Jun; 26(2):199–206 (Eng. Abstr.) **(Ita)**

[A case of radial nerve paralysis caused by lipoma. Role of C.A.T. in diagnosis and clinical aspects] Millefiorini M, et al. **Riv Neurol** 1980 Nov-Dec;50(6):406–14 (Eng. Abstr.) **(Ita)**

[(Negative) CT findings in subjects with ischaemic strokes (author's transl)] Cosi V, et al. **Riv Patol Nerv Ment** 1980 Mar-Apr;101(2):81–6 (Eng. Abstr.) **(Ita)**

[CT and clinical findings in intracerebral hemorrhage: comparative evaluations (author's transl)] Cosi V, et al. **Riv Patol Nerv Ment** 1980 Mar-Apr;101(2):75–80 (Eng. Abstr.) **(Ita)**

[Clinical and CT findings in ischaemic cerebrovascular diseases (author's transl)] Cosi V, et al. **Riv Patol Nerv Ment** 1980 Mar-Apr;101(2):67–74 (Eng. Abstr.) **(Ita)**

[Radiological diagnosis of cerebrovascular disease] Takei H. **Hokkaido Igaku Zasshi** 1981 Jul;56(4):379–84 **(Jpn)**

[Evaluation of myocardial infarction by ECG gated cardiac computed tomography (author's transl)] Inoue E, et al. **J Cardiogr** 1981 Sep;11(3):803–12 (Eng. Abstr.) **(Jpn)**

[Detection of left ventricular thrombi by echotomography and computed tomography (author's transl)] Kanemitsu H, et al. **J Cardiogr** 1981 Sep;11(3):945–55 (Eng. Abstr.) **(Jpn)**

[Clinical study on left atrial thrombi: comparative study between echocardiography and CT scan (author's transl)] Shimada E, et al. **J Cardiogr** 1981 Sep;11(3):933–44 (Eng. Abstr.) **(Jpn)**

[Assessment of hypertrophic cardiomyopathy by ECG gated cardiac computed tomography (author's transl)] Takeuchi K, et al. **J Cardiogr** 1981 Sep;11(3):847–58 (Eng. Abstr.) **(Jpn)**

[Echocardiographic and non-gated computed tomographic findings of intrapericardial tumor and mediastinal tumor adjacent to the heart (author's transl)] Ueda M, et al. **J Cardiogr** 1981 Sep;11(3):979–88 (Eng. Abstr.) **(Jpn)**

[Analysis of the cardiac motion in myocardial infarction by the ECG-synchronized CT (author's transl)] Watanabe S, et al. **J Cardiogr** 1981 Jun;11(2):415–23 (Eng. Abstr.) **(Jpn)**

[Measurement of cardiac volume by computed tomography (author's transl)] Watanabe S, et al. **J Cardiogr** 1981 Dec; 11(4):1273–81 (Eng. Abstr.) **(Jpn)**

[Perfusion scintigraphy, echocardiography and computed tomography in the diagnosis of pulmonary arteriovenous fistula (author's transl)] Tsuji K, et al. **Kokyu To Junkan** 1982 Feb;30(2):225–9 (Eng. Abstr.) **(Jpn)**

[The diagnosis of intracardiac space occupying lesion by computed tomography (author's transl)] Kimura M, et al. **Kyobu Geka** 1982;35(1):23–7 (Eng. Abstr.) **(Jpn)**

[Sequential CT findings on giant aneurysms of the intracranial internal carotid artery after carotid ligation (author's transl)] Fujiwara S, et al. **Neurol Med Chir (Tokyo)** 1982 Apr;22(4):267–75 (Eng. Abstr.) **(Jpn)**

[Computed tomography of traumatic extradural hematoma--analysis of 64 consecutive cases (author's

transl)] Fukamachi A, et al. **Neurol Med Chir (Tokyo)** 1981 Aug;21(8):881–9 (Eng. Abstr.) **(Jpn)**

[Meningioma originating and developing in the tela choroidea of the third ventricle. Its CT and angiographic findings (author's transl)] Ito J, et al. **Neurol Med Chir (Tokyo)** 1980 Nov;20(11):1081–94 (Eng. Abstr.) **(Jpn)**

[The basis of CT diagnosis. (2) Neuropathology for CT diagnosis--brain tumors (Part 3) (author's transl)] Matsui T. **Neurol Med Chir (Tokyo)** 1981 May;21(5):525–32 **(Jpn)**

[The basis of CT diagnosis. (2) Neuropathology for CT diagnosis - brain tumors (Part 6) - medulloblastoma, ependymoma, choroid plexus papilloma (author's transl)] Matsui T. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):985–90 **(Jpn)**

[The basis of CT diagnosis. (2) Neuropathy for CT diagnosis-brain tumors (part 7)-maldevelopmental tumors, vascular tumors (author's transl)] Matsui T. **Neurol Med Chir (Tokyo)** 1981 Oct;21(10):1085–90 **(Jpn)**

[The basis of CT diagnosis (2) neuropathology for CT diagnosis--brain tumors (Part 5)--pituitary adenoma (author's transl)] Matsui T. **Neurol Med Chir (Tokyo)** 1981 Aug;21(8):907–10 **(Jpn)**

[CT scan suggesting lesions of the both lateral geniculate bodies and the calcarine cortices in a case of traumatic blindness (author's transl)] Mizoi K, et al. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):969–72 (Eng. Abstr.) **(Jpn)**

[Characteristic findings of metrizamide CT cisternography in an epidermoid in the posterior fossa (author's transl)] Murayama K, et al. **Neurol Med Chir (Tokyo)** 1982 May; 22(5):389–94 (Eng. Abstr.) **(Jpn)**

[Clinical and computerized tomographic studies of chronic subdural hematomas (author's transl)] Naito T, et al. **Neurol Med Chir (Tokyo)** 1981 Sep;21(9):961–8 (Eng. Abstr.) **(Jpn)**

[Regional cerebral blood flow and CT scans in hemorrhagic infarctions--experimental study (author's transl)] Seki H, et al. **Neurol Med Chir (Tokyo)** 1981 May;21(5):511–5 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of chronic subdural hematoma. Sequential study with computerized tomography (author's transl)] Taguchi Y, et al. **Neurol Med Chir (Tokyo)** 1982 Apr; 22(4):276–82 (Eng. Abstr.) **(Jpn)**

[Analysis of chronic subdural hematoma based on CT (Part 2). Symptoms and CT findings (author's transl)] Takahashi Y, et al. **Neurol Med Chir (Tokyo)** 1982 May;22(5):395–401 (Eng. Abstr.) **(Jpn)**

[CT findings and the evaluation of chronic subdural hematoma (Part I)--forecast of chronic subdural hematoma (author's transl)] Takahashi Y, et al. **Neurol Med Chir (Tokyo)** 1981 May;21(5):485–90 (Eng. Abstr.) **(Jpn)**

[Computerized tomography in the diagnosis and management of pineal region tumors (author's transl)] Tanaka R, et al. **Neurol Med Chir (Tokyo)** 1980 Nov;20(11):1103–14 (Eng. Abstr.) **(Jpn)**

[Clinical study on brain tumors in the aged--trends after the spread of CT scanners (author's transl)] Teramoto A, et al. **Neurol Med Chir (Tokyo)** 1981 Dec;21(12):1239–46 (Eng. Abstr.) **(Jpn)**

[Computerized tomographic findings in intracranial and skull metastases (author's transl)] Watanabe T, et al. **Neurol Med Chir (Tokyo)** 1982 Apr;22(4):283–90 (Eng. Abstr.) **(Jpn)**

[Estimation of the growth rate of malignant gliomas by CT scanning (author's transl)] Yamashita T, et al. **Neurol Med Chir (Tokyo)** 1980 Nov;20(11):1095–101 (Eng. Abstr.) **(Jpn)**

[[Computed tomographic evaluation of the orbit and sella turcica - an atlas of anatomic-CT correlation (author's transl)] Lo C, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1036–45 (Eng. Abstr.) **(Jpn)**

[Pathophysiological study of experimental hydrocephalus with computed tomography (CT) scan (author's transl)] Murata T. **Nippon Geka Hokan** 1980 Nov 1;49(6):783–801 (Eng. Abstr.) **(Jpn)**

[Computed tomography of the thoracic canal --experimental and clinical studies (author's transl)] Nakamura S. **Nippon Geka Hokan** 1981 May;50(3):445–60 (Eng. Abstr.) **(Jpn)**

[A case of an intrahepatic fish bone penetration--possibility of the preoperative diagnosis by CT scan (author's transl)] Tsuboi K, et al. **Nippon Geka Hokan** 1981 Nov 1; 50(6):899–903 (Eng. Abstr.) **(Jpn)**

[Computed tomographic evaluation of staging of renal cell carcinoma (author's transl)] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jan;72(1):1–9 (Eng. Abstr.) **(Jpn)**

[Computed tomographic evaluation of the renal vein in the normal and tumor kidneys (author's transl)] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):1040–4 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the evaluation of post-nephrectomy renal tumor patients (author's transl)] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Sep;72(9):1177–83 (Eng. Abstr.) **(Jpn)**

[Lower urinary tract disturbance due to cerebrovascular accidents with special reference to the findings by brain computed tomography (author's transl)] Tsuchida S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):880–91 (Eng. Abstr.) **(Jpn)**

[New criteria for bladder tumor staging by computed tomography (author's transl)] Uchida T. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):1018–34 (Eng. Abstr.) **(Jpn)**

[Internal carotid arterial occlusion in computed tomography--correlation of CT and angiographic findings (author's transl)] Harada K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(9):833–40 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of computed tomography in hepatocellular carcinomas (author's transl)] Hasuo K. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Feb 25; 42(2):130–51 (Eng. Abstr.) **(Jpn)**

[Clinical studies on computed tomography (CT) in the diagnosis of lung cancer, mediastinal and thoracic wall tumors (author's transl)] Hirata Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1054–72 **(Jpn)**

[Utility of dynamic computed tomography in liver tumors (author's transl)] Hosoki T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Mar 25; 42(3):245–57 (Eng. Abstr.) **(Jpn)**

[The shadow of ligamentum falciforme hepatis on a plain radiograph (author's transl)] Irizawa T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(10):953–64 (Eng. Abstr.) **(Jpn)**

[Diagnosis of gynecologic pelvic masses by CT scans analysis of accuracy (author's transl)] Ito H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(8):751–8 (Eng. Abstr.) **(Jpn)**

[Estimation of stochastic risk from computed tomographic examinations in Japan. 2. Organ or tissue doses by computed tomographic examinations (author's transl)] Nishizawa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Mar; 41(3):242–9 (Eng. Abstr.) **(Jpn)**

[Clinical usefulness of computed tomography for the diagnosis of intrathoracic lymph node metastasis of primary lung cancer (author's transl)] Otsuka M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 May 25; 41(5):417–22 (Eng. Abstr.) **(Jpn)**

[Computed tomographic detection of calcification within the heart and the thoracic aorta (author's transl)] Sasaki F, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Feb 25; 42(2):123–9 (Eng. Abstr.) **(Jpn)**

[Demonstration of blood brain barrier injury by computed tomography (author's transl)] Shibakiri I, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Mar 25; 42(3):258–70 (Eng. Abstr.) **(Jpn)**

[Histographical presentation of frequency distribution of attenuation numbers of hypersensitivity pneumonitis (author's transl)] Uchino A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(10):931–7 (Eng. Abstr.) **(Jpn)**

[Computed tomography for metastatic brain tumors (author's transl)] Uchino A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Dec 25; 41(12):1200–8 (Eng. Abstr.) **(Jpn)**

[Quantitative study of cholesteatoma using polytome (author's transl)] Goto S. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):490–505 (Eng. Abstr.) **(Jpn)**

[Location of tumor masses in epipharyngeal space and skull--application of CT scanning (author's transl)] Ishida M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May; 84(5):506–12 (Eng. Abstr.) **(Jpn)**

[The image of CT-scan and artifact on the unilateral paranasal sinusitis--with a preliminary report of phantom study (author's transl)] Nishikawa M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Apr;84(4):408–12 (Eng. Abstr.) **(Jpn)**

[Quantitative study of chronic otitis media using polytome (author's transl)] Tanaka M. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):470–82 (Eng. Abstr.) **(Jpn)**

[Measurement of volume of goiter by computed tomography (author's transl)] Toda M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):18–23 (Eng. Abstr.) **(Jpn)**

[Renal angiographic and computed tomographic evaluation of local extension of renal cell carcinoma (author's transl)] Masuda F, et al. **Nippon Jinzo Gakkai Shi** 1981 Aug; 23(8):1153–67 (Eng. Abstr.) **(Jpn)**

[The use of CT scanning in the evaluation of aortic aneurysms (author's transl)] Okabe M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):116–26 (Eng. Abstr.) **(Jpn)**

[A case of thymolipoma simulating atelectasis of the right middie and lower lobe-diagnostic usefulness of computed tomography (author's transl)] Hashimoto K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Sep;19(9):665–9 (Eng. Abstr.) **(Jpn)**

[Computed tomography of cryptogenic fibrosing alveolitis --a new trial of histographical presentation of frequency distribution of attenuation numbers-- (author's transl)] Kawakami M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep; 18(9):627–33 (Eng. Abstr.) **(Jpn)**

[Diagnosis of abdominal disease by computed tomography (author's transl)] Tasaka A. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1229–35 **(Jpn)**

[Primary aldosteronism with left adrenal gland adenoma found by CT scanning with negative findings by dexamethasone-modified adrenal scintigraphy] Himeno Y, et al. **Nippon Rinsho** 1981;39(7):2673–6 **(Jpn)**

[Computer tomography of neoplasms of liver, biliary tract and pancreas] Ohtomo K, et al. **Nippon Rinsho** 1982; 40(1):58–70 (29 ref.) **(Jpn)**

[Clinical implications of brain atrophy by computed tomography in patients with age-related dementia (author's transl)] Imai Y, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov;18(6):441–9 (Eng. Abstr.) **(Jpn)**

[CT in the evaluation and treatment of endometrial carcinoma (author's transl)] Hasumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):954–8 (Eng. Abstr.) **(Jpn)**

[Studies on contrast enhancement in gynecologic pelvic computed tomography (author's transl)] Miyasaka Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1219–26 (Eng. Abstr.) **(Jpn)**

[Evaluation of contrast enhancement in gynecologic pelvic computed tomography (author's transl)] Miyasaka Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2193–201 (Eng. Abstr.) **(Jpn)**

[Detection of arterio-portal shunt in hepatocellular carcinoma by CT angiography (author's transl)] Nakayama T. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2423 **(Jpn)**

[Analysis of CT image of the porta hepatis with correlation to anatomical structures (author's transl)] Takemoto H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep; 78(9):1747–52 (Eng. Abstr.) **(Jpn)**

[A case of acute subdural hematoma in one-day-old baby--with special reference to its CT findings (author's transl)] Horie Y, et al. **No Shinkei Geka** 1981 Jul;9(8):941–4 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the foramen magnum and high cervical cord lesion (author's transl)] Isu T, et al. **No Shinkei Geka** 1981 Oct;9(11):1251–8 (Eng. Abstr.) **(Jpn)**

[Vertebral angiography of cerebellar astrocytoma-tumor stain, tumor circulation, CT and angiography in diagnosis (author's transl)] Kitaoka K, et al. **No Shinkei Geka** 1982 May;10(5):501–9 (Eng. Abstr.) **(Jpn)**

[A case report of superior sagittal sinus thrombosis--evaluation of computed tomographic findings in diagnosis and comprehension of this sinus thrombosis (author's transl)] Kubota C, et al. **No Shinkei Geka** 1981 Jul;9(8):961–6 (Eng. Abstr.) **(Jpn)**

[Treatment of craniopharyngioma estimated by follow-up CT (author's transl)] Kubota T, et al. **No Shinkei Geka** 1981 Dec;9(13):1495–501 (Eng. Abstr.) **(Jpn)**

[CT findings of skull and intracranial metastatic neuroblastoma--report of 3 cases (author's transl)] Kuroki M, et al. **No Shinkei Geka** 1982 May;10(5):541–6 (Eng. Abstr.) **(Jpn)**

[Computed tomography of spine and spinal cord (author's transl)] Maehara T. **No Shinkei Geka** 1981 Aug; 9(9):993–1006 (30 ref.) **(Jpn)**

[CT cisternography and CT ventriculography of intracranial cyst in children (author's transl)] Nakamura S, et al. **No Shinkei Geka** 1981 May;9(6):717–24 (Eng. Abstr.) **(Jpn)**

[Computed tomography in hypertensive cerebellar hemorrhage (author's transl)] Nose T, et al. **No Shinkei Geka** 1981 Nov;9(12):1409–15 (Eng. Abstr.) **(Jpn)**

[Head injury in children--with special reference to CT findings (author's transl)] Sugiura M, et al. **No Shinkei Geka** 1981 May;9(6):697–704 (Eng. Abstr.) **(Jpn)**

[A case report of traumatic intracerebral pneumocephalus with interesting CT cisternographic findings (author's transl)] Yamamoto Y, et al. **No Shinkei Geka** 1982 May; 10(5):563–9 (Eng. Abstr.) **(Jpn)**

[Follow-up study of the giant aneurysm by CT scan after unilateal carotid ligation (author's transl)] Yoshida S, et al. **No Shinkei Geka** 1981 Aug;9(9):1083–6 (Eng. Abstr.) **(Jpn)**

[Evolution from acute subdural hemorrhage to chronic subdural hematoma --observation of subdural hematoma by computerized tomography (author's transl)] Yoshimasu N, et al. **No Shinkei Geka** 1981 Aug;9(9):1025–31 (Eng. Abstr.) **(Jpn)**

[Normal pressure hydrocephalus (NPH) following subarachnoid hemorrhage (SAH)-clinical consideration of CT and development of hydrocephalus after SAH (author's transl)] Fujita K, et al. **No To Shinkei** 1981 Aug; 33(8):845–51 (Eng. Abstr.) **(Jpn)**

[Acute traumatic intraventricular hemorrhage (author's transl)] Kobayashi S, et al. **No To Shinkei** 1981 Jul; 33(7):715–24 (Eng. Abstr.) **(Jpn)**

[Giant aneurysms of the bilateral vertebral arteries with serpentine vascular channels-a case report (author's transl)] Kuwabara S, et al. **No To Shinkei** 1981 Dec;33(12):1227–34 (Eng. Abstr.) **(Jpn)**

[Rare vascular malformations of the brain: computed tomography and angiographic diagnosis (author's transl)] Machara T, et al. **No To Shinkei** 1981 Nov;33(11):1147–55 (Eng. Abstr.) **(Jpn)**

[Computed tomography in brain metastases (author's transl)] Oda J, et al. **No To Shinkei** 1982 May;34(5):493–7 (Eng. Abstr.) **(Jpn)**

[Computed tomographic measurement of regional cerebral blood flow by xenon enhancement (author's transl)] Segawa H, et al. **No To Shinkei** 1982 Mar;34(3):291–7 (Eng. Abstr.) **(Jpn)**

[CT findings in the diagnosis of cerebral dominance for speech (author's transl)] Utsunomiya R, et al. **No To Shinkei** 1981 Aug;33(8):861–7 (Eng. Abstr.) **(Jpn)**

[Multiplane postmortem cerebral computed angiotomography--Part I. Normal anatomy of cerebral vessels on the axial plane (author's transl)] Yamamoto Y, et al. **No To Shinkei** 1982 Apr;34(4):365–74 (Eng. Abstr.) **(Jpn)**

[Computed tomography in radiotherapy] **Rinsho Hoshasen** 1981 Jun;26(6):717–8 **(Jpn)**

[Computed tomography in radiotherapy] **Rinsho Hoshasen** 1981 May;26(5):623–4 **(Jpn)**

[Computed tomography in radiotherapy (author's transl)] **Rinsho Hoshasen** 1981 Jul;26(7):813–4 **(Jpn)**

[Computed tomography in cardiac diseases (author's transl)] Arii H, et al. **Rinsho Hoshasen** 1981 May;26(5):537–41 (Eng. Abstr.) **(Jpn)**

[Traumatic rupture of the spleen diagnosed by computed tomography (author's transl)] Ayabe Z, et al. **Rinsho Hoshasen** 1981 Mar;26(3):399–402 (Eng. Abstr.) **(Jpn)**

[CT appearance of primary malignant lymphoma of brain--report of three cases--(author's transl)] Azuma K, et al. **Rinsho Hoshasen** 1982 Mar;27(3):375–8 (Eng. Abstr.) **(Jpn)**

[The correlation of computed tomographic and lymphographic diagnosis of malignant lymphoma (author's transl)] Chatani M, et al. **Rinsho Hoshasen** 1981 May; 26(5):567–73 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the evaluation of cerebral arteriovenous malformations (author's transl)] Enomoto T, et al. **Rinsho Hoshasen** 1982 Mar;27(3):317–23 (Eng. Abstr.) **(Jpn)**

[Topographic diagnosis of parathyroid tumor by CT scan (author's transl)] Fukunaga M, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1015–20 (Eng. Abstr.) **(Jpn)**

[Mesenteric panniculitis--case report and its radiological diagnosis including CT (author's transl)] Hayashi S, et al. **Rinsho Hoshasen** 1982 Jan;27(1):143–6 (Eng. Abstr.) **(Jpn)**

[Computed tomography in the evaluation of hepatic hemangioma (author's transl)] Hirai K, et al. **Rinsho Hoshasen** 1981 May;26(5):549–54 (Eng. Abstr.) **(Jpn)**

[CSF dynamics evaluated by metrizamide CT cisternography (author's transl)] Hiratsuka H, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1301–6 (Eng. Abstr.) **(Jpn)**

[Computed tomography of the urinary bladder: clinical application of the olive oil–filled method (author's transl)] Hori S, et al. **Rinsho Hoshasen** 1982 Jan;27(1):81–4 (Eng. Abstr.) **(Jpn)**

[A treated case of delayed traumatic intracerebral hematoma (author's transl)] Imaizumi S, et al. **Rinsho Hoshasen** 1982 Apr;27(4):465–7 **(Jpn)**

[High renal ectopia--it's computed tomography findings (author's transl)] Imoto T, et al. **Rinsho Hoshasen** 1982 Jan; 27(1):147–50 (Eng. Abstr.) **(Jpn)**

[Dissecting aneurysm on plain CT (author's transl)] Inamoto K, et al. **Rinsho Hoshasen** 1982 Mar;27(3):325–8 (Eng. Abstr.) **(Jpn)**

[Clinical significance of adrenal scintigraphy and computed tomography (author's transl)] Ishimaru J, et al. **Rinsho Hoshasen** 1981 May;26(5):575–81 (Eng. Abstr.) **(Jpn)**

[Diagnosis of gynecologic pelvic masses by CT scan (author's transl)] Ito H, et al. **Rinsho Hoshasen** 1981 May; 26(5):589–95 (Eng. Abstr.) **(Jpn)**

[Computed tomographic diagnosis in patients with recurrent cervical cancer invaded to the iliac bone (author's transl)] Ito H, et al. **Rinsho Hoshasen** 1981 Apr;26(4):469–73 (Eng. Abstr.) **(Jpn)**

[Comparison of radionuclide imaging and computed tomography of the liver in detecting space occupying lesions (author's transl)] Itoh H, et al. **Rinsho Hoshasen** 1982 Mar;27(3):361–7 (Eng. Abstr.) **(Jpn)**

[Computed tomographic angiography of the abdominal tumors (author's transl)] Kono M, et al. **Rinsho Hoshasen** 1981 May;26(5):555–61 (Eng. Abstr.) **(Jpn)**

[Computed tomography combined with gas cisternography for the diagnosis of expanding lesions in the cerebellopontine angle (author's transl)] Kurokawa H, et al. **Rinsho Hoshasen** 1981 May;26(5):597–600 (Eng. Abstr.) **(Jpn)**

[A case of liver cell adenoma (author's transl)] Kurooka N, et al. **Rinsho Hoshasen** 1982 Mar;27(3):391–4 (Eng. Abstr.) **(Jpn)**

[Computed tomography of gravitation abscesses (report of a case) (author's transl)] Misaki T, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1351–3 (Eng. Abstr.) **(Jpn)**

[Computed tomography of the venous structure along the aortic arch--differentiation from aortic arch lymph nodes (author's transl)] Narimatsu A, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1003–8 (Eng. Abstr.) **(Jpn)**

[Differential diagnosis of retroperitoneal mass lesion by CT scanning (author's transl)] Nemoto R, et al. **Rinsho Hoshasen** 1981 May;26(5):583–7 (Eng. Abstr.) **(Jpn)**

[Ureteral jet phenomenon in CT (author's transl)] Nishimoto H, et al. **Rinsho Hoshasen** 1982 Mar;27(3):395–7 (Eng. Abstr.) **(Jpn)**

[Two cases of moyamoya disease diagnosed by CT (author's transl)] Ogawa T, et al. **Rinsho Hoshasen** 1981 Jun; 26(6):679–82 (Eng. Abstr.) **(Jpn)**

[Metrizamide computed tomography in syringomyelia (author's transl)] Ogawa T, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1307–11 (Eng. Abstr.) **(Jpn)**

[CT diagnosis of venous extension renal tumors (author's transl)] Ohtomo K, et al. **Rinsho Hoshasen** 1981 Feb; 26(2):291–4 (Eng. Abstr.) **(Jpn)**

[Computed tomographic study of normal pancreas (author's transl)] Okae S, et al. **Rinsho Hoshasen** 1981 May; 26(5):563–6 (Eng. Abstr.) **(Jpn)**

[Computed tomography of the spinal disorders (author's transl)] Okubo K, et al. **Rinsho Hoshasen** 1981 May; 26(5):531–6 (Eng. Abstr.) **(Jpn)**

[Diagnosis of the cruciate ligaments by means of computed tomography (author's transl)] Saida Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):369–73 (Eng. Abstr.) **(Jpn)**

[Intracavitary radiation treatment with ovoids specially modified for the utilization of CT (author's transl)] Saitoh Y, et al. **Rinsho Hoshasen** 1982 Apr;27(4):485–8 (Eng. Abstr.) **(Jpn)**

[CT findings of aneurysm (author's transl)] Sakino I, et al. **Rinsho Hoshasen** 1982 Jan;27(1):75–80 (Eng. Abstr.) **(Jpn)**

[Computed tomography in diagnosis of acute traumatic epidural hematoma in posterior fossa (author's transl)] Sakurai M, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1055–8 (Eng. Abstr.) **(Jpn)**

[A case of idiopathic portal hypertension – comparison of pre– and post–operative CT scan findings of collateral circulation (author's transl)] Serizawa K, et al. **Rinsho Hoshasen** 1982 Feb;27(2):299–301 (Eng. Abstr.) **(Jpn)**

[Fatty liver with non–uniform attenuation in computed tomography (author's transl)] Shabana M, et al. **Rinsho Hoshasen** 1982 Feb;27(2):295–8 (Eng. Abstr.) **(Jpn)**

[Comparative study with metrizamide CT cisternography and pneumoencephalo–tomography (author's transl)] Sumie H, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1295–300 (Eng. Abstr.) **(Jpn)**

[Medullary rays on urograph (author's transl)] Tada N. **Rinsho Hoshasen** 1982 Mar;27(3):403–4 **(Jpn)**

[Computer assisted myelography (author's transl)] Tamakawa Y, et al. **Rinsho Hoshasen** 1981 Nov;26(12):1289–93 (Eng. Abstr.) **(Jpn)**

[A case of leucoencephalopathy caused by the intraventricular administration of methotrexate--follow–up analysis by computed tomography (author's transl)] Tsuruta J, et al. **Rinsho Hoshasen** 1981 Apr;26(4):505–8 (Eng. Abstr.) **(Jpn)**

[Fate of the false lumen of aortic dissection – evaluation by CT scan (author's transl)] Yamaguchi T, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1009–14 (Eng. Abstr.) **(Jpn)**

[Diagnosis of constrictive pericarditis using computed tomography (author's transl)] Yamamoto Y, et al. **Rinsho Hoshasen** 1982 May;27(5):565–8 **(Jpn)**

[Clinical evaluation of chest X–rays, gallium–67 scans and CT scans in sarcoidosis (author's transl)] Yoshida S, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1027–33 (Eng. Abstr.) **(Jpn)**

[Serial computed tomographic study on subacute spongiform encephalopathy (author's transl)] Kashiwamura K, et al. **Rinsho Shinkeigaku** 1981 Nov;21(11):938–43 (Eng. Abstr.) **(Jpn)**

[Presumption of the prognosis of cerebral infarctions by computed tomography in acute stage (author's transl)] Suzuki K, et al. **Rinsho Shinkeigaku** 1982 Jan;22(1):8–14 (Eng. Abstr.) **(Jpn)**

[The value of computer tomography in assessing operability in advanced bladder cancer] Aspestrand F, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1445–7 (Eng. Abstr.) **(Nor)**

[Intracavitary heart tumor identified by computer tomography] Bolz KD, et al. **Tidsskr Nor Laegeforen** 1981 Dec 10;101(34–36):1963–4 (Eng. Abstr.) **(Nor)**

[Computer tomography in intraperitoneal abscesses] Dullerud R, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20; 101(26):1458–61 (Eng. Abstr.) **(Nor)**

[Computer tomography of fatty liver] Smevik B, et al. **Tidsskr Nor Laegeforen** 1981 Sep 10;101(25):1387–9 (Eng. Abstr.) **(Nor)**

[Different methods of computer tomography in the pulmonary hilus structures] Smith D, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1448–50 (Eng. Abstr.) **(Nor)**

[Computed tomography of expansive lesions in the superior mediastinum] Stiris MG, et al. **Tidsskr Nor Laegeforen** 1981 Jul 10;101(19–21):1113–5 (Eng. Abstr.) **(Nor)**

[Computed tomography in splenic rupture] Stiris MG, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):995–6 (Eng. Abstr.) **(Nor)**

[Evaluation of the usefulness of computerized tomography in diagnosing arterial hypertension in adrenal diseases] Pacho R, et al. **Kardiol Pol** 1981;24(11–12):771–9 (Eng. Abstr.) **(Pol)**

[Comparative value of computerized tomography and lymphography in assessing the spread of the neoplastic process in testicular neoplasms] Zaborowski Z. **Nowotwory** 1981 Jul–Dec;31(3–4):207–16 (Eng. Abstr.) **(Pol)**

[Computer tomography in otolaryngology (author's transl)] Grądzki J. **Otolaryngol Pol** 1981;35(4–6):383–92 (20 ref.) (Eng. Abstr.) **(Pol)**

[Computed tomography in the examination of the liver (author's transl)] Wójtowicz J, et al. **Pol Przegl Radiol** 1981 Jan–Feb;45(1):27–35 (Eng. Abstr.) **(Pol)**

[X–ray computed tomography: a contribution to the diagnosis of liver cysts] Paczyński A, et al. **Wiad Lek** 1982 May 1; 35(3–4):237–40 **(Pol)**

[Computerized cerebral tomography] Minguetti G, et al. **AMB** 1981 Aug;27(8):241–6 **(Por)**

[Contribution of computerized tomography to the diagnosis and postoperative study of sellar tumors] Facure JJ, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):174–81 (Eng. Abstr.) **(Por)**

[Computerized tomography of supratentorial meningiomas: results in 32 cases] Minguetti G, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):182–91 (Eng. Abstr.) **(Por)**

[131I–cholesterol scintigraphy and computerized tomography of the adrenals in the diagnosis of Conn's syndrome] Mamytbekova DZ, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):45–8 (Eng. Abstr.) **(Rus)**

[Computer tomography and its application in radiotherapy] Merkle K, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):80–4 (19 ref.) **(Rus)**

[Radiation dosage to the patient in computed body tomography] Merkle K, et al. **Med Radiol (Mosk)** 1981 Oct;26(10):43–4 **(Rus)**

[Importance of computer tomography in the diagnosis of abdominal and retroperitoneal tumors in children] Gabuniia RI, et al. **Pediatriia** 1981;(8):43–6 (Eng. Abstr.) **(Rus)**

[Case of tuberculosis meningitis diagnosed using computerized tomography] Sagalovich VIa. **Probl Tuberk** 1981 Oct;(10):70–1 **(Rus)**

[Axial computerized tomography in the diagnosis of liver and biliary tract diseases] Gromyko IS. **Ter Arkh** 1981; 53(5):121–6 (Eng. Abstr.) **(Rus)**

[Diagnosis of orbital tumors using computer tomography] Gabuniia RI, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):52–6 (Eng. Abstr.) **(Rus)**

[Computed tomography in tumors and tumor–like formations in the anterior mediastinum] Frommhold V, et al. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):52–62 **(Rus)**

[Liver study using computerized tomography] Gabuniia RI, et al. **Vestn Rentgenol Radiol** 1981 Jul–Aug;(4):51–6 (Eng. Abstr.) **(Rus)**

[Computerized tomography potentials in the diagnosis of malignant neoplasms] Gabuniia RI. **Vopr Onkol** 1982; 28(5):22–30 (Eng. Abstr.) **(Rus)**

[Computer tomography after transient ischemia] Papa J, et al. **Acta Med Iugosl** 1982;36(2):115–22 (Eng. Abstr.) **(Scr)**

[Evaluation of computerised tomography in diagnosis of orbital diseases (author's transl)] Lovrenčić M, et al. **Lijec Vjesn** 1981 Jan;103(1):24–30 (Eng. Abstr.) **(Scr)**

[Importance of tomodensitometry (CT) in the detection of organic brain lesions in severe psychotic depressions. Report of 4 cases] Allicaire JF, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 May–Jun;9(3):231–4 **(Spa)**

[2 cases of cerebral injury with sequelae of convulsive episodes studied by C.A.T.] López–Ibor Aliño L. **Actas Luso Esp Neurol Psiquiatr** 1981 Sep–Oct; 9(5):393–402 **(Spa)**

[Diagnosis of a retrocaval ureter by CAT] Arango Toro OJ, et al. **Actas Urol Esp** 1982 May–Jun;6(3):181–2 (Eng. Abstr.) **(Spa)**

[Computed tomography in early diagnosis of tuberculous meningitis complications (author's transl)] Clivillé Pagés R, et al. **An Esp Pediatr** 1981 Jun;14(6):393–8 (Eng. Abstr.) **(Spa)**

[Acute hematoma of the cerebellum. Report of computerized axial tomography for diagnosis and treatment] Abad Rico JM, et al. **Rev Clin Esp** 1981 Oct 15;163(1):17–21 (Eng. Abstr.) **(Spa)**

[Indications for CAT in transient focal cerebral ischemia] Martinez–Vila E, et al. **Rev Med Univ Navarra** 1981 Sep; 25(3):24–6 **(Spa)**

[Computer tomography for early diagnosis of postoperative abdominal abscesses] Samuelsson L. **Lakartidningen** 1981 Oct 14;78(42):3692–3 **(Swe)**

ADVERSE EFFECTS

Computed tomographic scan [letter] Sutherland CM. **Arch Intern Med** 1982 Jan;142(1):200

CT diagnosis of contrast reaction. Brock JG, et al. **CT** 1981 Mar;5(1):63–4

Risks to children from computed tomographic scan premedication. Mitchell AA, et al. **JAMA** 1982 May 7; 247(17):2385–8

[Estimation of stochastic risk from computed tomographic examinations in Japan, 1979. 3. Estimation of population doses and stochastic risks (author's transl)] Nishizawa K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 May 25; 41(5):436–41 (Eng. Abstr.) **(Jpn)**

ECONOMICS

Computed tomography and psychiatric disorders [letter] Ovsiew F. **Ann Intern Med** 1982 Jan;96(1):126–7

Preoperative radiographic evaluation of hypernephroma. Kothari K, et al. **J Comput Assist Tomogr** 1981 Oct; 5(5):702–4

Health planning reform: a proposal for the eighties. Brasfield JM. **J Health Polit Policy Law** 1982 Winter;6(4):718–38

[Economic aspects of cerebral computed tomography] Escudero Pérez L, et al. **Rev Clin Esp** 1982 Feb 28; 164(4):263–6 (Eng. Abstr.) **(Spa)**

HISTORY

[80 Years of tomodensitometry] Dondelinger R. **Bull Soc Sci Med Grand Duche Luxemb** 1980;117(2):23–7 **(Fre)**

INSTRUMENTATION

Possible direction in CT scanner design. Redington RW. **Adv Neurol** 1981;30:63–6

Comparative dosimetry of high-detail computed tomography using the Siemens Somatom-2 and complex motion tomography for examination of the sella turcica. Zwicker RD, et al. **AJNR** 1982 May-Jun;3(3):354–5

Computed tomographic scanning in children: II. An updated comparison of radiation dose and resolving power of commercial scanners. Brasch RC, et al. **AJR** 1982 Jan; 138(1):127–33

ECG synchronized computed tomography in clinical evaluation of total and regional cardiac motion: comparison of postmyocardial infarction to normal hearts by rapid sequential imaging. Masuda Y, et al. **Am Heart J** 1982 Feb; 103(2):230–8

High temporal resolution synchronous volumetric scanning tomography: potential roles in clinical evaluation of ischemic heart disease. Wood EH, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):649–59

A new approach for direct CT localization in stereotaxis. Barcia-Salorio JL, et al. **Appl Neurophysiol** 1982; 45(4–5):383–6

Direct target point determination for stereotactic brain operations from CT data and the calculation of setting parameters for polar-coordinate stereotactic devices. Birg W, et al. **Appl Neurophysiol** 1982;45(4–5):387–95

A universal method to employ CT scanner spatial information in stereotactic surgery. Colombo F, et al. **Appl Neurophysiol** 1982;45(4–5):352–64

Progress in developing a CT-compatible adapter for the Leksell stereotach. Law JD, et al. **Appl Neurophysiol** 1982; 45(4–5):381–2

A dedicated CT system for the stereotactic operating room. Lunsford LD. **Appl Neurophysiol** 1982;45(4–5):374–8

Digital radiography in stereotactic and functional neurosurgery. Suetens P. Gybels J, et al. **Appl Neurophysiol** 1982;45(4–5):365–73

CT – the future in focus. Blumenfeld M. **Australas Radiol** 1981 Jul;25(2):181–97

Skytrain to mobile CT. Mackintosh CE. **Br J Hosp Med** 1981 Nov;26(5):469

X-ray tube lifetime and image quality in computed tomography [letter] Smith CB. **Br J Radiol** 1981 Sep; 54(645):820

The value of direct sagittal computed tomography using the Philips Tomoscan 300. Podlas H. **Comput Tomogr** 1981 Oct–Dec;5(4):255–64

Computed tomography localizer. Russell WJ, et al. **Comput Tomogr** 1981 Jul–Sep;5(3):215–20

24-hour shared CT system cuts costs. **Hospitals** 1981 Oct 16;55(20):58, 60

Design constraints and reconstruction algorithms for traverse-continuous-rotate CT scanners. Nahamoo D, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):79–98

Digitization of computed tomogram data from a radiotherapy simulator. Smith DB, et al. **J Biomed Eng** 1981 Jul; 3(3):217–20

An inexpensive video patient repositioning system for use with transmission and emission computed tomographs. Conti J, et al. **J Comput Assist Tomogr** 1982 Apr; 6(2):417–21

Stereotactic neurosurgery using 3-D image data from computed tomography. Rhodes ML, et al. **J Med Syst** 1982 Feb;6(1):105–19

Fast minimum variance estimator for limited angle CT image reconstruction. Buonocore MH, et al. **Med Phys** 1981 Sep–Oct;8(5):695–702

A rotate-translate CT scanner providing cross-sectional data suitable for planning the dosimetry of radiotherapy treatment. Leach MO, et al. **Med Phys** 1982 Mar–Apr; 9(2):269–75

Multisegmented ion chamber for CT scanner dosimetry. Moore MM, et al. **Med Phys** 1981 Sep–Oct;8(5):640–5

A 4-MV CT scanner for radiation therapy: the prototype system. Simpson RG, et al. **Med Phys** 1982 Jul–Aug; 9(4):574–9

A CT scanning protocol for a quality assurance program. Seijo CA. **Radiol Technol** 1981 Mar–Apr;52(5):497–509

A stereotactic adapter compatible with computed tomography. Cacak RK, et al. **Radiology** 1982 Apr; 143(1):271

A simplified multiformat film holder. Suchato C, et al. **Radiology** 1982 Apr;143(1):270

[The working principle of dynamic spatial reconstructor system and its application in biomedicine (author's transl)] Li SR. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):58–63 **(Chi)**

[Restraint during craniocerebral scannography. A new method of restraint for the newborn and infants (author's transl)] Dupuis JL, et al. **J Radiol** 1981 May;62(5):341–2 (Eng. Abstr.) **(Fre)**

[Computer tomography, its principle and possibilities] von Bünau H. **Buch Augenarzt** 1982;90:100–9 (Eng. Abstr.) **(Ger)**

[Considerations on digital filters for computer tomography] Okada M. **Iyodenshi To Seitai Kogaku** 1980 Oct;18(6):441–2 (Eng. Abstr.) **(Jpn)**

METHODS

Stereotactic thalamic lesions studied by CT scanner. Colombo F, et al. **Acta Neurochir (Wien)** 1981; 57(3–4):205–12

A new method for utilizing CT data in stereotactic surgery: measurement and transformation technique. Colombo F, et al. **Acta Neurochir (Wien)** 1981;57(3–4):195–203

Direct visualization of intracranial tumours in stereotactic and angiographic films by computer calculation of longitudinal CT-sections: a new method for stereotactic localization of tumour outlines. Schlegel W, et al. **Acta Neurochir (Wien)** 1981;58(1–2):27–35

Applications of computerized tomography in orthopaedics and traumatology. Casteleyn PP, et al. **Acta Orthop Belg** 1982 Mar–Apr;48(2):389–403

Measurement of tibial torsion by computer tomography. Jend HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):271–6

Measurement of regional brain blood circulation by computed tomography. Anderson EM, et al. **Adv Neurol** 1981;30:97–139

A method of calculating brain blood flow with a CT dynamic scanner. Axel L. **Adv Neurol** 1981;30:67–71

Physical aspects of dynamic computed tomography. Berninger WH. **Adv Neurol** 1981;30:55–61

Dynamic computed tomography study of the brain. Heinz ER, et al. **Adv Neurol** 1981;30:85–95

Local cerebral blood flow and tissue solubility measured by stable, xenon-enhanced computerized tomography. Meyer JS, et al. **Adv Neurol** 1981;30:73–84

CT with image reformation for noninvasive screening of the carotid bifurcation: early experience. Brant-Zawadzki M, et al. **AJNR** 1982 Jul–Aug;3(4):395–400

CT ScoutView for skull fracture: substitute for skull films? Cromwell LD, et al. **AJNR** 1982 Jul–Aug;3(4):421–3

Computed tomography of the optic canals. Hammerschlag SB, et al. **AJNR** 1981 Nov–Dec;2(6):593–4

High-resolution CT of the petrous bone: direct vs. Reformatted images. Turski P, et al. **AJNR** 1982 Jul–Aug; 3(4):391–4

High resolution CT with image reformation in maxillofacial pathology. Brant-Zawadzki MN, et al. **AJR** 1982 Mar; 138(3):477–83

Volume determinations using computed tomography. Breiman RS, et al. **AJR** 1982 Feb;138(2):329–33

Periaortic fluid aspiration for recognition of infected graft: preliminary report. Cunat JS, et al. **AJR** 1982 Aug; 139(2):251–3

Volume averaging limitations of computed tomography. Goodenough D, et al. **AJR** 1982 Feb;138(2):313–6

Small acoustic neuromas: detection by high resolution gas CT cisternography. Pinto RS, et al. **AJR** 1982 Jul; 139(1):129–32

New perspectives in computed tomography of multiple sclerosis. Viñuela FV, et al. **AJR** 1982 Jul;139(1):123–7

Transient diffuse computed tomographic scan enhancement in multifocal seizures. Schub HS, et al. **Am J Dis Child** 1981 Sep;135(9):799–801

Comparative study using computed tomographic thin-section zoom reconstructions and anatomic macrosections of the temporal lobe. Beatty CW, et al. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):643–9

Central vestibular signs, posterior fossa pathology and computerized tomography-regional blood brain circulation. Kumar A, et al. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):624–9

Direct calculation of stereotactic coordinates from CT scans. Gildenberg PL, et al. **Appl Neurophysiol** 1982; 45(4–5):347–51

Computer-assisted stereotactic surgery. Hardy T, et al. **Appl Neurophysiol** 1982;45(4–5):396–8

Stereotactic biopsy of brain lesions visualized with computed tomography. Lobato RD, et al. **Appl Neurophysiol** 1982; 45(4–5):426–30

CT appearance of thalamic lesions in stereotactic surgery. Murayama Y, et al. **Appl Neurophysiol** 1982; 45(4–5):399–403

The Shelden CT-based microneurosurgical stereotactic system: its application to CNS pathology. Shelden CH, et al. **Appl Neurophysiol** 1982;45(4–5):341–6

Neurophysiological atlas of the human thalamus and adjacent structures. Computer-assisted mapping. Yoshida M, et al. **Appl Neurophysiol** 1982;45(4–5):406–9

Quantitative computed tomography in senile dementia. Bondareff W, et al. **Arch Gen Psychiatry** 1981 Dec; 38(12):1365–8

Atypical contrast enhancement in computed tomography of demyelinating disease [letter] Aita JF. **Arch Neurol** 1982 Mar;39(3):195–5

Clinical significance of extraocular muscle volumes in Graves' ophthalmopathy: a quantitative computed tomography study. Feldon SE, et al. **Arch Ophthalmol** 1982 Aug;100(8):1266–9

Direct coronal mode (DCM) in whole-body CT scanning. Veiga-Pires JA, et al. **Br J Radiol** 1982 Jan;55(649):75–8

Clinical application of multiplanar computerized tomography of the orbit. Nicolle DA, et al. **Can J Ophthalmol** 1981 Jul;16(3):124–31

High resolution computerized tomography with coronal and sagittal reconstruction in the diagnosis of brain tumors in children. Snead OC 3d, et al. **Childs Brain** 1982;9(1):1–9

Computed tomography: basic principles of operation. Maravilla KR, et al. **Clin Neurosurg** 1981;28:482–501

Acquisition and manipulation of diagnostic images. Moore R. **Comput Biol Med** 1981;11(4):173–9

Error sensitivity of computerized tomography guided stereotaxis. Bowyer KW, et al. **Comput Biomed Res** 1982 Jun;15(3):272–80

Automated tissue analysis from computerized axial tomographic scans. Sandor T, et al. **Comput Biomed Res** 1981 Apr;14(2):125–30

Automated calvaria analysis from computerized axial tomographic scans. Sandor T, et al. **Comput Biomed Res** 1981 Apr;14(2):119–24

Computed tomography of the spine: techniques and procedures. Coin CG, et al. **Comput Radiol** 1982 Mar–Apr; 6(2):69–74

Multiplanar reconstruction in computed tomography of the orbit. Zilkha A. **Comput Radiol** 1982 Jan–Feb;6(1):57–62

Role of computed tomography in the management of infectious disease. Bydder GM, et al. **CT** 1981 Sep; 5(4):303–11

CT scanning of the breast using a conventional CT scanner. Doust BD, et al. **CT** 1981 Sep;5(4):296–302

Direct coronal section CT of the retroperitoneum: normal anatomy without contrast. Kreel L, et al. **CT** 1981 Sep; 5(4):291–5

Time-density analysis in the evaluation of CT pseudotumors. Noon MA, et al. **CT** 1981 Jun;5(2):186–91

Use of computed tomography to demonstrate the extent of tuberculosis. Warren JB, et al. **CT** 1981 Sep;5(4):312–5

Serial CT scans in Haemophilus influenzae meningitis of childhood. Naidu S, et al. **Dev Med Child Neurol** 1982 Feb; 24(1):69–76

Non-invasive diagnosis of a pericardial cyst. Combined use of M-mode echocardiography and computed tomography. Daniel WG, et al. **Eur Heart J** 1980 Jun;1(3):201–6

Comparison of diatrizoate and barium sulfate bowel markers in clinical CT. Kivisaari L, et al. **Eur J Radiol** 1982 Feb; 2(1):33–4

High contrast enhancement of the liver in CT by repeated doses of contrast medium. Rossi P, et al. **Eur J Radiol** 1981 May;1(2):126–31

Whole-body CT-scanning by means of direct coronal mode (DCM). Veiga-Pires JA, et al. **Eur J Radiol** 1982 May; 2(2):170–2

Computer tomography in transient global amnesia. Ladurner G, et al. **Eur Neurol** 1982 Jan–Feb;21(1):34–40

A method for stop-action imaging of the heart using gated computed tomography. Nassi M, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):116–22

Iterative reconstruction--reprojection: an algorithm for limited data cardiac-computed tomography. Nassi M, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):333–41

An investigation of computerized tomography by direct Fourier inversion and optimum interpolation. Stark H, et al. **IEEE Trans Biomed Eng** 1981 Jul;28(7):496–505

A fast implementation of a minimum variance estimator for computerized tomography image reconstruction. Wood SL, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):56–68

Use of ct to uncover underlying brain tumor: trigeminal neuralgia. Gorelick PB, et al. **IMJ** 1981 Oct;160(4):225–7

CT scan in neuropediatrics. Bazaz R, et al. **Indian J Pediatr** 1981 Mar–Apr;48(391):249–54

The computed radiograph: a method of correlating axial tomographic images with simulation and port films. Gillin MT, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov; 7(11):1603–6

Factors affecting the measurement of size and CT number in computed tomography. Baxter BS, et al. **Invest Radiol** 1981 Jul–Aug;16(4):337–41

CT contrast enhancement of kidney V2 carcinoma after norepinephrine and acetylcholine injection. Marincek B, et al. **Invest Radiol** 1981 Nov–Dec;16(6):487–90

Computed tomographic sellar and perisellar evaluation. Use of high-dose continuous contrast infusion. Acker JD, et al. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):141–52

Technical note. Computer assisted analysis of tomographic images of the brain. Adair T, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):929–32

Flow phenomenon mimicking thrombus: a possible pitfall of the pedal infusion technique. Barnes PA, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):304–6

CT guided celiac plexus and splanchnic nerve neurolysis. Buy JN, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):315–9

Radiographic blood pool contrast agents for vascular and tumor imaging with projection radiography and computed tomography. Cassel DM, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):141–6

Metrizamide CT cisternography and perioptic subarachnoid

space imaging. Chambers EF, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):875–80

Iodinated starch particles: new contrast material for computed tomography of the liver. Cohen Z, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):843–6

Colon opacification by oral water-soluble contrast medium administration the night prior to CT examination. Cranston PE. **J Comput Assist Tomogr** 1982 Apr;6(2):413–5

Sagittal and coronal CT reconstruction for demonstration of subcarinal adenopathy. Gale ME, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):249–53

CT densitometry of pulmonary nodules: a phantom study. Godwin JD, et al. **J Comput Assist Tomogr** 1982 Apr; 6(2):254–8

Identification of the optimal orientation of oblique sections through multiple parallel CT images. Harris LD. **J Comput Assist Tomogr** 1981 Dec;5(6):881–7

Dynamic computed tomography through interpolation. Lee HC, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):134–40

A redundant ray projection completion method for an inverse fan beam computed tomography system. Margosian PM. **J Comput Assist Tomogr** 1982 Jun;6(3):608–13

Dynamic computed tomography of the pancreas. Nakata H, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):646–9

Foot vein contrast medium infusion useful in computed tomography of right adrenal gland. Pillari G, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):169–71

Value of high contrast medium dose in brain CT. Raininko R, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):54–7

Direct coronal body computed tomography. van Waes PF, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):58–66

Energy dependence of contrast–detail–dose and object–detectability–dose curves for CT scanners. Wagner LK, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):378–82

Diagnosis of internal carotid artery occlusion by dynamic computed tomography. Yamamoto M, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):637–40

Minimum dose contrast bolus in computed angiotomography of the brain. Yamamoto Y, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):575–85

Radiologic Seminar CCXVIII: pyopneumoperitoneum simulating colon dilatation: computed tomography for abdominal abscess definition. Cranston PE, et al. **J Miss State Med Assoc** 1981 Nov;22(11):274–6

Diagnostic CT imaging of the heart and aorta in health and disease. Watanabe S. **Jpn Circ J** 1981 Sep;45(9):1030–44

Diagnosis and management decisions in infections of the deep fascial spaces of the head and neck utilizing computerized tomography. Endicott JN, et al. **Laryngoscope** 1982 Jun; 92(6 Pt 1):630–3

Sophisticated CT in complex maxillofacial trauma. Noyek AM, et al. **Laryngoscope** 1982 Jun;92(6 Pt 2 Suppl 27):1–17

Evaluation of the regional blood circulation of the hindbrain by dynamic computed tomography. Valvassori GE, et al. **Laryngoscope** 1981 Oct;91(10):1695–701

Effectiveness of computed tomography in the diagnosis of intra-abdominal abscess: A review of 111 patients. Roche J. **Med J Aust** 1981 Jul 25;2(2):85–6, 87–8

A computed tomography–radiation therapy treatment planning system utilizing a whole body CT scanner. Edwards M, et al. **Med Phys** 1981 Mar–Apr;8(2):242–8

An algorithm for the reduction of metal clip artifacts in CT reconstructions. Glover GH, et al. **Med Phys** 1981 Nov–Dec;8(6):799–807

A minicomputer implementation of the Donner algorithms for reconstruction tomography [letter] Morin RL, et al. **Med Phys** 1982 Mar–Apr;9(2):294–5

Dose minimization in computed tomography overscanning. Parker DL, et al. **Med Phys** 1981 Sep–Oct;8(5):706–11

Optimal short scan convolution reconstruction for fanbeam CT. Parker DL. **Med Phys** 1982 Mar–Apr;9(2):254–7

Quantitative stereology and radiologic image analysis. Part I: Computerized tomography and ultrasound. Reid MH. **Med Phys** 1982 May–Jun;9(3):346–60

An improved method for determining CT image slice thickness. Schneiders NJ, et al. **Med Phys** 1981 Jul–Aug; 8(4).516–9

Direct sagittal (positional) computed tomography of the head. Bluemm R. **Neuroradiology** 1982;22(4):199–201

CT scan of the spine for herniated discs. Gulati AN, et al. **Neuroradiology** 1981;22(2):57–60

High resolution CT spinal scanning with Acta 0200 FS. Ruggiero R, et al. **Neuroradiology** 1981;22(1):23–5

Direct coronal slices on CT scanning of the spine. Technical note. Veiga-Pires JA, et al. **Neuroradiology** 1982; 22(4):203–5

Three-dimensional computer reconstructions of brain lesions from surface contours provided by computed tomography: a prospectus. Batnitzky S, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):73–84

Calculation of stereotactic coordinates from the computed tomographic scan. Gildenberg PL, et al. **Neurosurgery** 1982 May;10(5):580–6

Computed tomography–directed stereotaxy for biopsy and interstitial irradiation of brain tumors: technical note. MacKay AR, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):38–42

Computed tomography of the maxilla in edentulous patients. Normal anatomy. Engström H, et al. **Oral Surg** 1981 Nov; 52(5):557–60

Computerized tomography in hearing loss and disequilibrium states. Hanafee WN. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):861–6

The implementation of a generalised Batho inhomogeneity correction for radiotherapy planning with direct use of CT numbers. Cassell KJ, et al. **Phys Med Biol** 1981 Sep; 26(5):825–33

The influence of partial volume averaging on sphere detectability in computed tomography. Plewes DB, et al. **Phys Med Biol** 1981 Sep;26(5):913–9

Preparation for abdominal computed tomography (CT). Morton C, et al. **Radiography** 1981 Nov;47(563):261–8

Techniques for computed tomography in infants and children. Berger PE, et al. **Radiol Clin North Am** 1981 Sep; 19(3):399–408

Computed tomography in evaluation of the paranasal sinuses. Bilaniuk LT, et al. **Radiol Clin North Am** 1982 Mar; 20(1):51–66

Rationale and techniques for intravenous enhancement in computed tomography. Burman S, et al. **Radiol Clin North Am** 1982 Mar;20(1):15–22

Applications and limitations of computed tomography of the spine. Cacayorin ED, et al. **Radiol Clin North Am** 1982 Mar;20(1):185–206

The value of dynamic scanning. Cohen WA, et al. **Radiol Clin North Am** 1982 Mar;20(1):23–35

A neuroradiologic approach to the patient with a diagnosis of subarachnoid hemorrhage. Davis KR, et al. **Radiol Clin North Am** 1982 Mar;20(1):87–94

Midline anomalies of the brain and spine. Fitz CR. **Radiol Clin North Am** 1982 Mar;20(1):95–104

Computed tomography of the orbit. Forbes G. **Radiol Clin North Am** 1982 Mar;20(1):37–49

Radiologic evaluation of ischemic cerebrovascular syndromes with emphasis on computed tomography. Houser OW, et al. **Radiol Clin North Am** 1982 Mar; 20(1):123–42

Computed tomography in the diagnosis of degenerative brain disease. Huckman MS. **Radiol Clin North Am** 1982 Mar; 20(1):169–83

Metastases to retroperitoneal and pelvic lymph nodes: computed tomography and lymphangiography. Jing B, et al. **Radiol Clin North Am** 1982 Sep;20(3):511–30 (61 ref.)

Computed tomography of the chest in infants and children: techniques and mediastinal evaluation. Kirks DR, et al. **Radiol Clin North Am** 1981 Sep;19(3):409–19 (38 ref.)

Nuclear magnetic resonance imaging. McCullough EC, et al. **Radiol Clin North Am** 1982 Mar;20(1):3–7

Computed tomography in evaluation of hydrocephalus. Naidich TP, et al. **Radiol Clin North Am** 1982 Mar; 20(1):143–67

Computed tomography in neoplasms of the posterior fossa in children. Segall HD, et al. **Radiol Clin North Am** 1982 Mar;20(1):237–53

High resolution computed tomography of the sella. Taylor S. **Radiol Clin North Am** 1982 Mar;20(1):207–36

The petrous temporal bone (including the cerebellopontine angle). Taylor S. **Radiol Clin North Am** 1982 Mar; 20(1):67–86

Extracerebral trauma. Zimmerman RD, et al. **Radiol Clin North Am** 1982 Mar;20(1):105–21

Computed measures on computed tomograms of the head. Ackerman LV, et al. **Radiology** 1982 Apr;143(1):115–20

Low-dose CT scanning for quantitative spinal mineral analysis. Cann CE. **Radiology** 1981 Sep;140(3):813–5

Evaluation of the internal auditory canal using pluridirectional tomography with metrizamide. Curtin HD. **Radiology** 1982 Jul;144(1):115–20

Computed tomography of orbital tumors, including late-generation scanning techniques. Forbes GS, et al. **Radiology** 1982 Feb;142(2):387–94

Computed tomographic detection of retroperitoneal adenopathy. Glazer GM, et al. **Radiology** 1982 Apr; 143(1):147–9

Detection of bone–marrow metastases using quantitative computed tomography. Helms CA, et al. **Radiology** 1981 Sep;140(3):745–50

Evaluation of the hemodynamic effects of intravenous administration of ionic and nonionic contrast materials. Implications for deriving physiologic measurements from computed tomography and digital cardiovascular imaging. Higgins CB, et al. **Radiology** 1982 Mar;142(3):681–6

Image techniques for multiplanar computed tomography. Johnson GA, et al. **Radiology** 1982 Sep;144(4):829–34

Sequential computed tomography scans in acute cerebral infarct [letter] Melanson D. **Radiology** 1982 Jan;142(1):252

A pattern recognition method for the removal of streaking artifact in computed tomography. Morin RL, et al. **Radiology** 1981 Oct;141(1):229–33

Optimal computed–tomographic techniques for cervical spine imaging. Orrison WW, et al. **Radiology** 1982 Jul; 144(1):180–2

Dynamic sequential scanning with table incrementation. Reese DF, et al. **Radiology** 1981 Sep;140(3):719–22

Double–exposure technique for computed–tomographic imaging on x-ray film. Suchato C, et al. **Radiology** 1982 Aug;144(3):646

Dynamics of contrast enhancement in delayed computed tomography of brain tumors: tissue–blood ratio and differential diagnosis. Takeda N, et al. **Radiology** 1982 Mar; 142(3):663–8

Patient positioning for direct coronal computed tomography of the entire body. van Waes PF, et al. **Radiology** 1982 Feb;142(2):531–2

Cranial computed angiotomography. Wing SD, et al. **Radiology** 1982 Apr;143(1):103–7

A CT evaluation of the intraperitoneal fluid distribution. Wójtowicz J, et al. **ROFO** 1982 Jul;137(1):95–9

In vivo mapping of local cerebral blood flow by xenon–enhanced computed tomography. Gur D, et al. **Science** 1982 Mar 5;215(4537):1267–8

Estimation of vertebral rotation and the spinal and rib cage deformity in scoliosis by computer tomography. Aaro S, et al. **Spine** 1981 Sep–Oct;6(5):460–7

Visualization and three–dimensional reconstruction of pituitary microadenomas from CT data: a technical report. Fargason RD, et al. **Surg Neurol** 1981 Jun;15(6):450–4

CT scan and metrizamide CT cisternography in arachnoid cysts of the middle cranial fossa: classification and pathophysiological aspects. Galassi E, et al. **Surg Neurol** 1982 May;17(5):363–9

Dynamic computed tomography in brain death. Handa J, et al. **Surg Neurol** 1982 Jun;17(6):417–22

Experience with intraoperative CT scanning in brain tumors. Shalit MN, et al. **Surg Neurol** 1982 May;17(5):376–82

Computed tomography of the lumbar facet joints. Boedecker RA, et al. **Wis Med J** 1981 Sep;80(9):21–2

Methods of diagnosis of acute adrenal hemorrhage complicating anticoagulant therapy–abdominal CAT scanning. Swift DE, et al. **Wis Med J** 1981 Nov;80(11):25–8

Computed tomography in the diagnosis of thoracic disk protrusions with a technical suggestion. Ciapetta P, et al. **Zentralbl Neurochir** 1982;43(1):77–84

[Comparative efficacy of multidirectional and computed tomography in the diagnosis of tumors of the pontocerebellar angle (author's transl)] Bensimon JL, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):97–102 (Eng. Abstr.) **(Fre)**

[[Direct coronal mode in CT, of the thorax and abdomen (author's transl)] Kaiser MC, et al. **Ann Radiol (Paris)** 1981 Sep–Oct;24(6):521–4 (Eng. Abstr.) **(Fre)**

[Role of computerized gas meatocisternography in the diagnosis of small acoustic neurinoma] Fraysse B, et al. **J Fr Otorhinolaryngol** 1982 May;31(5):353–6 **(Fre)**

[Scanography of the femoropatellar space. Study plan (author' transl)] Deramond H, et al. **J Radiol** 1981 Aug–Sep;62(8–9):437–40 (Eng. Abstr.) **(Fre)**

[True orientation of the acetabulum as determined by CAT scan. Preliminary results (author's transl)] Terver S, et al. **J Radiol** 1982 Mar;63(3):167–73 (Eng. Abstr.) **(Fre)**

[Scanography in tumors of the face] Piekarski JD, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):141–3 (Eng. Abstr.) **(Fre)**

[Principles of scanography] Vignaud J, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):129–33 **(Fre)**

[Principles of scanography of the nasal sinuses and cavity] Vignaud J, et al. **Rev Stomatol Chir Maxillofac** 1982; 83(2–3):134–40 **(Fre)**

[New aspects of myoarthropathies viewed by computerized tomography] Hüls A, et al. **Dtsch Zahnarztl Z** 1981; 36(12):776–86 (Eng. Abstr.) **(Ger)**

[Computerized tomography in ORL–diseases. II. High resolution–CT of the paranasal sinuses] Rettinger G, et al. **HNO** 1981 Nov;29(11):364–9 (Eng. Abstr.) **(Ger)**

[Value and staged use of roentgen diagnostic methods with special reference to sonography and computerized tomography in morphologic kidney diagnosis] Fenzl G, et al. **Internist (Berlin)** 1982 Feb;23(2):89–98 **(Ger)**

[Computerized tomography of the mediastinum and heart] Lackner K, et al. **Internist (Berlin)** 1982 Feb;23(2):57–65 **(Ger)**

[Computed tomography and ultrasound: comparison with intraoperative findings of large metastases in the neck (author's transl)] Mika H, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):374–9 (Eng. Abstr.) **(Ger)**

[CT diagnosis of the carotid cavernous fistula and differential diagnosis (author's transl)] Schadel A, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):371–3 (Eng. Abstr.) **(Ger)**

[The value of computed tomography in otorhinolaryngology (author's transl)] Schindler E. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):361–70 (Eng. Abstr.) **(Ger)**

[Radiation exposure in total body computer tomography with a high number of individual cross–sections (author's transl)] Merkle K, et al. **Radiobiol Radiother (Berl)** 1981;22(3):354–8 (Eng. Abstr.) **(Ger)**

[Quality determining parameters of computer tomographs (author's transl)] Gursky S, et al. **Radiol Diagn (Berl)** 1981; 22(3):267–70 (Eng. Abstr.) **(Ger)**

[On the procedure of irradiation planning based on computer tomography (author's transl)] Melzer R, et al. **Radiol Diagn (Berl)** 1981;22(3):301–4 (Eng. Abstr.) **(Ger)**

[Technique of application of contrast media in computed tomography of the heart (author's transl)] Heuser L, et al. **Radiologe** 1982 Jan;22(1):26–31 (Eng. Abstr.) **(Ger)**

[Diagnosis and follow–up studies by computed tomography in hemorrhage of germinal matrix of newborns (author's transl)] Nahser HC, et al. **Radiologe** 1981 Nov; 21(11):516–20 (Eng. Abstr.) **(Ger)**

[Midline–malformations of brain shown by computed tomography (author's transl)] Ratzka M, et al. **Radiologe** 1981 Nov;21(11):507–15 (Eng. Abstr.) **(Ger)**

[The value of computed tomography in the diagnosis of malignant oral tumors and their local metastases (author's transl)] Bähren W, et al. **ROFO** 1982 May;136(5):525–30

(Eng. Abstr.) (Ger)
[Dynamic computer tomographic for tumours of the facial skeleton (author's transl)] Claussen C, et al. **ROFO** 1982 Feb;136(2):144–50 (Eng. Abstr.) (Ger)
[CT diagnosis of recurrent subluxation of the shoulder (author's transl)] Cramer BM, et al. **ROFO** 1982 Apr; 136(4):440–3 (Eng. Abstr.) (Ger)
[Computer tomographic ventriculography (author's transl)] Distelmaier P, et al. **ROFO** 1982 Apr;136(4):421–7 (Eng. Abstr.) (Ger)
[Reconstruction in coronal and sagittal planes of CT scans compared with two–dimensional echo–encephalography in neonates and infants (author's transl)] Fürmaier R, et al. **ROFO** 1982 Jul;137(1):37–42 (Eng. Abstr.) (Ger)
[Optimized diagnosis of an eccentrically growing adrenal tumor by simultaneous catheter angiography and computer tomography] Gmelin E, et al. **ROFO** 1982 May; 136(5):603–5 (Ger)
[Prognostic value of computed tomography in acute pancreatitis (author's transl)] Grabbe E, et al. **ROFO** 1982 May;136(5):534–7 (Eng. Abstr.) (Ger)
[Measurements of the intracranial CSF spaces by computer tomography (author's transl)] Huber G. **ROFO** 1982 Jul; 137(1):42–7 (Eng. Abstr.) (Ger)
[The value of computer tomography in the diagnosis of local recurrences of carcinoma of the rectum (author's transl)] Klose KJ, et al. **ROFO** 1982 May;136(5):538–42 (Eng. Abstr.) (Ger)
[Three dimensional radiation planning using computer tomography (author's transl)] Lütgemeier J, et al. **ROFO** 1981 Sep;135(3):343–6 (Ger)
[The integral dose in computerized tomography of the skull (author's transl)] Schmidt T, et al. **ROFO** 1982 Feb; 136(2):157–65 (Eng. Abstr.) (Ger)
[Bronchial lipoma. Diagnosis by computer tomography] Sommer B, et al. **ROFO** 1982 May;136(5):595–6 (Ger)
[The normal anatomy of the pulmonary hili on computed tomography (author's transl)] Stark P. **ROFO** 1982 Jul; 137(1):77–80 (Ger)
[Diagnostic importance of CT examination of the lumbosacral region of patients with lumbo–sciatica (author's transl] Stoeter P, et al. **ROFO** 1982 May; 136(5):515–24 (Eng. Abstr.) (Ger)
[CT diagnosis of the ventral slit formation of the lst cervical vertebrae] Thiede G, et al. **ROFO** 1982 May;136(5):613–4 (Ger)
[The diagnosis of renal perfusion abnormalities by sequential CT (author's transl)] Treugut H, et al. **ROFO** 1981 Oct; 135(4):381–8 (Eng. Abstr.) (Ger)
[Functional control of the renal transplant via sequential computerized tomography. First results (author's transl)] Treugut H, et al. **ROFO** 1981 Aug;135(2):133–42 (Eng. Abstr.) (Ger)
[Direct coronary and sagittal computerized tomography of the pelvis (author's transl)] Maier W, et al. **Rontgenblatter** 1981 Nov;34(11):411–6 (Ger)
[Possibilities for use, dependability and limits of whole–body computerized tomography. Report of several years of experience using a whole body scanner at the Martin Luther Hospital, Berlin] Beckman U, et al. **Rontgenpraxis** 1981;34(3):125–9 (Ger)
[The histogram as the principle for quantifying intracranial fluid compartments] Huber G. **Rontgenpraxis** 1981; 34(3):130–2 (Ger)
[New intravenous contrast media for cholegraphy, urography and computerized tomography] Speck U. **Rontgenpraxis** 1982 Feb;35(2):57–62 (Ger)
[The significance of axial computerized tomography (CT) for neurologic departments] Nettl S, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(3):331–45 (Eng. Abstr.) (Ger)
[Computerized tomography: its validity in the diagnosis of gastroenterologic diseases (author's transl)] Schoppe WD, et al. **Z Gastroenterol** 1982 Jan;20(1):9–28 (Eng. Abstr.) (Ger)
[The diagnostic value of M–mode–, two–dimensional echocardiography, and computed tomography in comparison to the results of cardiac catheterization in the diagnosis of tumors of the heart (author's transl)] Köhler E, et al. **Z Kardiol** 1981 Aug;70(8):571–82 (Eng. Abstr.) (Ger)
[Computer tomographic diagnosis of cardiac, pericardial and paracardial space occupying lesions] Köster O, et al. **Z Kardiol** 1981 Oct;70(10):733–41 (Eng. Abstr.) (Ger)
[Improvement of specificity in evaluation of aortocoronary bypass grafts by serial (dynamic) computed tomography (author's transl)] Mühlberger V, et al. **Z Kardiol** 1982 Apr; 71(4):315–9 (Eng. Abstr.) (Ger)
[CT scanning in patients with amputated leg (author's transl)] Hübener KH, et al. **Z Orthop** 1981 Aug;119(4):336–9 (Eng. Abstr.) (Ger)
[Computerized tomography and densitometry using computerized tomography in abdominal injuries] Stoltze D, et al. **Zentralbl Chir** 1981;106(6):400–7 (Ger)
[Initial experience with computerized axial sialography] Ferrari Parabita G, et al. **Minerva Stomatol** 1981 Nov–Dec; 30(6):605–12 (Eng. Abstr.) (Ita)
[Abdominal angio–CT: technique of injection and scanning (author's transl)] Rossi P, et al. **Radiol Med (Torino)** 1981 Apr;67(4):217–23 (Eng. Abstr.) (Ita)
[Study of pulmonary blood flow with determination of the pleural edge by gamma–ray transmission computed tomography (author's transl)] Maeda H, et al. **Kaku Igaku** 1981 Nov;18(9):1231–9 (Eng. Abstr.) (Jpn)
[Evaluation of left ventricular function by cardiac CT: comparison with left ventriculography (author's transl)] Naito H, et al. **Kokyu To Junkan** 1982 Mar;30(3):255–64 (Jpn)
[Measurement of LV function by computed tomography and echocardiography (author's transl)] Yoshida H, et al **Kokyu To Junkan** 1982 Mar;30(3):233–9 (Jpn)
[The basis of CT diagnosis. (1) Normal brain anatomy for CT diagnosis. (Part 3: Coronal CT examination––CT examination of the angle 90 degrees from Reid's base line (author's transl)] Matsui T. **Neurol Med Chir (Tokyo)** 1980 Nov;20(11):1155–67 (Jpn)
[Diagnosis of tumors of the pituitary region by two–plane CT scans––with special reference to operative indication for the transsphenoidal approach (author's transl)] Murata M, et al. **Neurol Med Chir (Tokyo)** 1981 Aug;21(8):863–71 (Eng. Abstr.) (Jpn)
[Computed tomographic angiography (CT angio) of hepatic tumor: experimental and clinical studies (author's transl)] Yokogawa S. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Apr 25;41(4):300–19 (Eng. Abstr.) (Jpn)
[Determination of cardiac output with computerized tomography] Inagaki Y, et al. **Nippon Rinsho** 1981; 39(7):2496–501 (Jpn)
[Hydrochol–Padrin–Conray CT scan for biliary duct diseases (author's transl)] Inoue K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1791–6 (Eng. Abstr.) (Jpn)
[Detectability of metastatic liver cancer by sequential C.T. with arterial portography (author's transl)] Matsui O, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1817 (Jpn)
[Blow–out fracture––multiprojection CT findings in three cases and their relation to postoperative recovery of impaired eye movements (author's transl)] Yamamoto Y, et al. **No Shinkei Geka** 1981 Aug;9(9):1075–80 (Eng. Abstr.) (Jpn)
[Biplane computed cerebral angiotomography of moyamoya disease (author's transl)] Asari S, et al. **No To Shinkei** 1981 Dec;33(12):1201–6 (Eng. Abstr.) (Jpn)
[Thin–section CT scan of the pituitary gland (author's transl)] Fukuda T, et al. **No To Shinkei** 1982 Feb;34(2):139–44 (Eng. Abstr.) (Jpn)
[The clinical significance of computed tomographic arteriography for minute hepatocellular carcinoma (author's transl)] Itoh H, et al. **Rinsho Hoshasen** 1982 Mar; 27(3):349–54 (Eng. Abstr.) (Jpn)
[Clinical applications fo reconstructed coronal and sagittal images of body CT (author's transl)] Miura K, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1021–5 (Eng. Abstr.) (Jpn)
[Analysis of the images obtained by the dynamic CT–scanning using total image processing system (KOBE TOIPS) (author's transl)] Sugimura K, et al. **Rinsho Hoshasen** 1982 Mar;27(3):399–402 (Eng. Abstr.) (Jpn)
[Computed tomography in the diagnosis of hepatic cirrhosis (author's transl)] Yajima Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):355–60 (Eng. Abstr.) (Jpn)
[Combined study of the cerebrospinal fluid spaces by computer tomography and water–soluble contrast medium metrizamide–Amipaque. Amipaque computer myelographic cysternography] Gołąbek R, et al. **Neurol Neurochir Pol** 1981 Jul–Aug;15(4):505–10 (Pol)
[Algorithms used for image reconstruction in computed tomography (author's transl)] Bańkowski J, et al. **Pol Przegl Radiol** 1981 May–Jun;45(3):165–8 (Eng. Abstr.) (Pol)
[Computerized tomographic potentials in studying the organs of the abdominal cavity and retroperitoneal space] Gabuniia RI, et al. **Vopr Onkol** 1981;27(10):3–10 (Eng. Abstr.) (Rus)

STANDARDS

Problems with contrast–detail curves for CT performance evaluation. Hasegawa BH, et al. **AJR** 1982 Jan;138(1):135–8
The unreliability of CT numbers as absolute values. Levi C, et al. **AJR** 1982 Sep;139(3):443–7
Technical accuracy and clinical efficacy of thoracic computed tomography. Yee ES, et al. **Am J Surg** 1982 Jul;144(1):35–43
X–ray transmission CT scanner survey, January 1982. McCullough EC. **J Comput Assist Tomogr** 1982 Apr; 6(2):423–8
Design constraints in computed tomography: a theoretical review. Parker DL, et al. **Med Phys** 1982 Jul–Aug; 9(4):531–9
Application of CT in diagnosing carcinoma of the maxillary sinuses. Part 1: Clinical evaluation of CT and frontal tomography in diagnosing carcinoma of the maxillary sinuses. Matsubara K. **Nagoya J Med Sci** 1982 Mar; 44(3–4):57–67
Application of CT in diagnosing carcinoma of the maxillary sinuses. Part 2: An experimental study of pitfalls encountered when diagnosing carcinoma of the maxillary sinuses with CT. Matsubara K. **Nagoya J Med Sci** 1982 Mar;44(3–4):69–81
[The value of computer tomography in disorders of the spinal column (author's transl)] Caro G. **Ther Umsch** 1982 Jan; 39(1):41–6 (Eng. Abstr.) (Ger)

TRENDS

CT scanning of the brain: a revolution in only eight years [news] Bolsen B. **JAMA** 1981 Dec 11;246(23):2667–8, 2675

UTILIZATION

How can we avoid unnecessary CT scanning for psychiatric patients. Tsai L, et al. **J Clin Psychiatry** 1981 Dec; 42(12):452–4
Consensus on CT scans [news] Kolata G. **Science** 1981 Dec 18;214(4527):1327–8

VETERINARY

Cranial computed tomography in the evaluation of neurologic disorders in two nonhuman primates. Janssen DL, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1245–6
Computed tomography of orbital tumors in the dog. LeCouteur RA, et al. **J Am Vet Med Assoc** 1982 Apr 15; 180(8):910–3

TONGUE

see related
GLOSSECTOMY
Tongue brushing, dentifrice, and age effects on taste and smell. Hyde RJ, et al. **J Dent Res** 1981 Oct;60(10):1730–4
Maxillary polydimethylsiloxane glossal prostheses. Taicher S, et al. **J Prosthet Dent** 1981 Jul;46(1):71–7
The effects of a nonsurgical treatment for obstructive sleep apnea. The tongue–retaining device. Cartwright RD, et al. **JAMA** 1982 Aug 13;248(6):705–9
Squamous cell carcinoma arising in thyroglossal duct remnant cyst epithelium. White IL, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):25–31

ABNORMALITIES

Severe congenital hypoglossia and micrognathia with other multiple birth defects. Oulis CJ, et al. **J Oral Pathol** 1982 Aug;11(4):276–82
Unusual movements of a normal tongue. Holland JV. **J R Nav Med Serv** 1982 Spring;68(1):37–8
[An unusual aglossia–adactylia syndrome (author's transl)] Deffez JP, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(4):241–6 (Eng. Abstr.) (Fre)

ANATOMY & HISTOLOGY

Structures of the bovine vomeronasal complex and its relationships to the palate: tongue manipulation. Jacobs VL, et al. **Acta Anat (Basel)** 1981;110(1):48–58
Functional morphology of lingual protrusion in marine toads (Bufo marinus). Gans C, et al. **Am J Anat** 1982 Mar; 163(3):195–222
Palate fusion in cortisone–treated mouse fetuses following tongue displacement. Walker BE. **Arch Oral Biol** 1982; 27(2):175–6
Tongue position and open–bite: the key roles of growth and the nasopharyngeal airway. Ackerman RI, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):339–45 (28 ref.)
Studies of the mucosubstances of vertebrate tongues––V. Mucosubstances in the Weber's glands of some bats. Gaikwad JN, et al. **Cell Mol Biol** 1982;28(2):175–81
The structure and histology of the tongue in two Indian bats Rhinopoma kinneari (Rhinopomatidae) and Scotophilus heathi (Vespertilionidae). Agarwal KA, et al. **Folia Morphol (Praha)** 1982;30(1):26–41
Microscopic anatomy of the apical part of the tongue of Lemur fulvus (primates, Lemuriformes). Hofer HO. **Gegenbaurs Morphol Jahrb** 1981;127(3):343–63
Genioglossus muscle responses to upper airway pressure changes: afferent pathways. Mathew OP, et al. **J Appl Physiol** 1982 Feb;52(2):445–50
Influence of upper airway pressure changes on genioglossus muscle respiratory activity. Mathew OP, et al. **J Appl Physiol** 1982 Feb;52(2):438–44
On the shape of the muscles of the tongue of Eumeces latiscutatus latiscutatus. Miyazaki M, et al. **Kurume Med J** 1980;27(4):233–7
[Sublingual structures of primates. II. Hominoidea, review, summary and literature] Rommel C. **Gegenbaurs Morphol Jahrb** 1981;127(3):421–51 (Eng. Abstr.) (Ger)

BLOOD SUPPLY

Brain stem sites mediating adrenergic and non–adrenergic vasodilatation in the dog's nose and tongue. Nagai M, et al. **J Auton Nerv Syst** 1981 Nov;4(4):365–79
'Angiodysplasia' of the tongue with acquired von Willebrand's disease. Wood GM, et al. **Postgrad Med J** 1982 Jan;58(675):37–8
[Cerebrovascular reactivity after extra–intracranial anastomosis––experimental study on chemical control of the lingo–basilar anastomotic system (author's transl)] Shima T, et al. **Neurol Med Chir (Tokyo)** 1981 Aug; 21(8):847–54 (Eng. Abstr.) (Jpn)

CYTOLOGY

Immunohistochemical localization of a low molecular weight, soluble protein from bovine lingual epithelium. Farbman AI, et al. **Histochemistry** 1981 Dec;73(3):419–28

DRUG EFFECTS

[Effect of a single dose of hydroxyurea on cell division in the esophageal and lingual epithelium of mice] Rybakov VP, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):492–3 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Electron scanning microscopy study of the lingual mucous surface of human embryos and fetuses] Dourov N, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):219–33 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Studies on fat digestion, absorption, and transport in the suckling rat. II. Triacylglycerols: molecular species, stereospecific analysis, and specificity of hydrolysis by lingual lipase. Staggers JE, et al. **J Lipid Res** 1981 May; 22(4):675–9

INJURIES

The orofacial manifestations of the Lesch–Nyhan syndrome. Scully C. **Int J Oral Surg** 1981 Oct;10(5):380–3

Hamster tongue carcinogenesis. I. Characteristics of the experimental model. Eveson JW, et al. **J Oral Pathol** 1981 Oct;10(5):322–31

Lingual abscess following traumatic penetration of a tooth into the tongue. Palestini M. **Oral Surg** 1981 Nov; 52(5):485–6

INNERVATION

Contraction times of the cat's tongue muscles measured by light reflection. Innervation of individual tongue muscles. Hellstrand E. **Acta Physiol Scand** 1981 Apr;111(4):417–23

Reflex discharge evoked by water stimulation on the frog tongue. Nomura H, et al. **Brain Res** 1981 Sep 21; 221(1):198–201

Cortical neurons responding to tactile, thermal and taste stimulations of the rat's tongue. Yamamoto T, et al. **Brain Res** 1981 Sep 21;221(1):202–6

Hypoglossal motor nerve activity elicited by taste and thermal stimuli applied to the tongue in rats. Yamamoto T, et al. **Brain Res** 1982 Apr 22;238(1):89–104

An enzyme tracer study of the organization of the somatic motor center for the innervation of different muscles of the tongue: evidence for two sources. Chibuzo GA, et al. **J Comp Neurol** 1982 Mar 1;205(3):273–81

On the distribution and origins of substance P in the papillae of the rat tongue: an experimental and immunohistochemical study. Nishimoto T, et al. **J Comp Neurol** 1982 May 1;207(1):85–92

Regeneration of taste buds after reinnervation of a denervated tongue papilla by a normally nongustatory nerve. Zalewski AA. **J Comp Neurol** 1981 Aug 10;200(3):309–14

Convergence of input from tongue and palate to the parabrachial nucleus neurons of rats. Ogawa H, et al. **Neurosci Lett** 1982 Jan 22;28(1):9–14

Interaction of sensory feedback: a child–adult comparison of oral sensory and temporal articulatory function. Crary MA, et al. **Percept Mot Skills** 1981 Dec;53(3):979–88

Auditory masking effects on lingual vibrotactile thresholds. Fucci D, et al. **Percept Mot Skills** 1982 Feb;54(1):251–6

Auditory masking effects on lingual vibrotactile thresholds as a function of age. Fucci D, et al. **Percept Mot Skills** 1982 Jun;54(3):943–50

Stuttering and oral stereognosis. Martin RR, et al. **Percept Mot Skills** 1981 Aug;53(1):155–62

Somatosensory feedback mechanisms in tongue and speech muscle movements. Sandyk R. **S Afr Med J** 1981 Dec 26; 60(26):992–3

Neural effects of electrical taste stimuli. Bujas Z, et al. **Sens Processes** 1979 Dec;3(4):353–65

[Characteristics of proprioception in muscle spindles in the orofacial region in man] Rozhold O. **Cesk Neurol Neurochir** 1982 Jan;45(1):1–6 (Eng. Abstr.) **(Cze)**

[Inhibitory effect on crossed bands in the tongue mechanoreceptor innervation] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2458–64 (Eng. Abstr.) **(Ita)**

[Direct observation of the inhibitory action of lingual mechanoreceptor afferents in the frog] Rapuzzi G, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2465–71 (Eng. Abstr.) **(Ita)**

[Change in the tactile papillae of the human tongue in ontogenesis (according to scanning electron microscopic data)] Liubimova ZV. **Biull Eksp Biol Med** 1981 Nov; 92(11):629–31 (Eng. Abstr.) **(Rus)**

[Effect of damage to the superior cervical sympathetic ganglion in rabbits on microcirculation and catecholamine concentration in tissues of mucous membranes innervated by it] Dychko EN, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):15–9 (Eng. Abstr.) **(Rus)**

[Structuro-functional analysis of tongue receptors influences on the cochlear nuclei] Bobkova RM, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):859–62 **(Rus)**

METABOLISM

Binding of [35S]saccharin to a protein fraction of rat tongue epithelia. Shimazaki K, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):331–8

Amyloid deposits in the aged tongue: a postmortem study of 107 individuals over 60 years of age. Yamaguchi A, et al. **J Oral Pathol** 1982 Jun;11(3):237–44

[Dynamics of labelled pyromecaine diffusion from an ointment into tongue tissue] Konobevtsev OF, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):9–10 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation of virulent Yersinia enterocolitica from porcine tongues. Doyle MP, et al. **Appl Environ Microbiol** 1981 Oct;42(4):661–6

The streptococcal flora of the tongue of the monkey Macaca fascicularis. Beighton D, et al. **Arch Oral Biol** 1982; 27(4):331–5

Oral ecology and virulence of Lactobacillus casei and Streptococcus mutans in gnotobiotic rats. Michalek SM, et al. **Infect Immun** 1981 Sep;33(3):690–6

The in vivo effects of an antiseptic mouthwash on odor-producing microorganisms. Pitts G, et al. **J Dent Res** 1981 Nov;60(11):1891–6

PATHOLOGY

Megalopinna in naevus uniuslateris: a case report. Mahakrishnan A. **Acta Derm Venereol (Stockh)** 1981; 61(4):365–7

Quantitative histological analysis of the epithelium of the ventral surface of hamster tongue in experimental iron deficiency. Rennie JS, et al. **Arch Oral Biol** 1982; 27(5):393–7

Lingual epithelial thickness in mice with inherited iron–deficiency anaemia (sla). Steele B, et al. **Arch Oral Biol** 1981;26(4):343–4

Behçet's syndrome. An overlooked entity in otolaryngology. Hersh SP, et al. **Arch Otolaryngol** 1982 Apr;108(4):250–2

Giant cell arteries presenting with necrosis of the tongue – a case report. Allen P. **Br J Oral Surg** 1980 Sep; 18(2):162–5

Necrosis of the tongue secondary to cranial arteritis. Hicks K, et al. **Br J Oral Surg** 1980 Sep;18(2):166–9

[A study on the characteristic changes of the tongue in Behcet's disease (author's transl)] Chen ZL. **Chung Hua I Hsueh Tsa Chih** 1981 Jun;61(6):366–9 (Eng. Abstr.) **(Chi)**

[Lingual necrosis with temporal arteritis (author's transl)] Renard JP, et al. **Sem Hop Paris** 1982 Jan 7;58(1):51–2 (Eng. Abstr.) **(Fre)**

[Cytological examination of herpetic stomatitis in children] Milačić N. **Srp Arh Celok Lek** 1980 Nov;108(11):1119–29 (Eng. Abstr.) **(Sec)**

PHYSIOLOGY

Ultrasonic visualization of tongue motion during speech. Sonies BC, et al. **J Acoust Soc Am** 1981 Sep;70(3):683–6

Prosthodontic rehabilitation for glossectomy patients. Aramany MA, et al. **J Prosthet Dent** 1982 Jul;48(1):78–81

Reflex response of the hypoglossal nerve induced by chemical stimulation of the tongue and electrical stimulation of the glossopharyngeal nerve in the frog. Kumai T. **Jpn J Physiol** 1981;31(5):625–37

Responses of rat chorda tympani fibers to electrical stimulation of the tongue. Ninomiya Y, et al. **Jpn J Physiol** 1981;31(4):559–70

Role of ions in generation of taste nerve responses to electrical tongue stimulation in rats. Ninomiya Y, et al. **Jpn J Physiol** 1981;31(6):891–902

Tongue apex activities during alveolar stops. Zawadzki PA. **Phonetica** 1981;38(4):227–35

Circadian variation in the proportion of cells in cell cycle phases in hamster tongue epithelium measured by flow microfluorometry. Rubin NH. **Prog Clin Biol Res** 1981; 59C(00):81–6

Active ion transport in dog tongue: a possible role in taste. DeSimone JA, et al. **Science** 1981 Nov 27; 214(4524):1039–41

[Electrometric characteristics of the human gastrolingual reflex] Iakovleva IIa. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):92–3 **(Rus)**

[Tongue and perioral muscle pressure normally and in sagittal bite anomalies] Abolmasov NG, et al. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):41–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Tardive dyskinesia and abnormal tongue movements. Pi EH, et al. **Br J Psychiatry** 1981 Dec;139:526–8

The articulatory characteristics of the tongue in anterior openbite: observation by use of dynamic palatography. Suzuki N, et al. **Int J Oral Surg** 1981;10(Suppl 1):299–303

Paroxysmal, rhythmic lingual movements and chronic epilepsy. Jabbari B, et al. **Neurology (NY)** 1981 Oct; 31(10):1364–7

RADIOGRAPHY

Computed tomography of the tongue and floor of the mouth. Larsson SG, et al. **Radiology** 1982 May;143(2):493–500

SURGERY

Dental considerations in median labiomandibular glossotomy. Wessberg GA, et al. **Arch Otolaryngol** 1981 Oct;107(10):650

Median labiomandibular glossotomy. Wessberg GA, et al. **Int J Oral Surg** 1981 Oct;10(5):333–7

Resection of the tongue with the carbon dioxide laser. Carruth JA. **J Laryngol Otol** 1982 Jun;96(6):529–43

Sleep apnea syndrome caused by acromegalia and the treatment with a reduction plasty of the tongue. Case report. Afzelius LE, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(3):142–5

Rule of thumb criteria for tongue–lip adhesion in Pierre Robin anomalad. Parsons RW, et al. **Plast Reconstr Surg** 1982 Aug;70(2):210–12

[Primary reconstruction of defect after hemiglossectomy with a pectoralis major myocutaneous island flap (author's transl)] Murakami Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):6–12 (Eng. Abstr.) **(Jpn)**

TRANSPLANTATION

The blood supply of dorsal tongue flaps. Bracka A. **Br J Plast Surg** 1981 Oct;34(4):379–84

ULTRASTRUCTURE

The chemoreceptor surface of the taste organ in the frog Rana esculenta. A freeze–fracture analysis. Röhlich P, et al. **Cell Tissue Res** 1982;224(2):409–20

Histopathology of the saburral tongue. Mascaró JM, et al. **Dermatologica** 1981;163(1):52–7

[Effect of traumatic shock on the cytogenetic processes in the epithelial cells of the cornea and tongue and in the bone marrow cells of white rats] Kalivetskaia GM, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):92–4 (Eng. Abstr.) **(Rus)**

TONGUE DISEASES

[Diseases of the tongue (author's transl)] Jahnke V. **MMW** 1982 Mar 19;124(11):277–80 (Eng. Abstr.) **(Ger)**

[Cases from the edema consultation] **Z Lymphol** 1981 Dec; 5(2):83–9 **(Ger)**

CHEMICALLY INDUCED

Oral ulceration induced by cetiprin? Duxbury AJ, et al. **Br Dent J** 1982 Feb 2;152(3):94–5

COMPLICATIONS

Neck pain due to acute suppurative thyroiditis and thyroglossal duct abscess. Rohn RD, et al. **J Adolesc Health Care** 1980 Dec;1(2):155–8

Glossodynia and glossopyrosis – a discussion of the aetiology and management. Yaacob HB, et al. **Med J Malaysia** 1981 Sep;36(3):177–80

'Angiodysplasia' of the tongue with acquired von Willebrand's disease. Wood GM, et al. **Postgrad Med J** 1982 Jan;58(675):37–8

DIAGNOSIS

Tuberculosis of tongue (a case report). Sundaram P, et al. **J Assoc Physicians India** 1981 Jul;29(7):585–6

Stump the experts. A common wart. Kouskoukis CE. **J Dermatol Surg Oncol** 1981 Dec;7(12):962, 1038

[Various tongue diseases] van der Waal I, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):957–62 **(Dut)**

ETIOLOGY

Persistent hematoma after mouth trauma. Lazerson J. **Hosp Pract** 1981 Oct;16(10):28–9

Lingual frenum ulcer resulting from orogenital sex. Mader CL. **J Am Dent Assoc** 1981 Dec;103(6):888–90

Lingual abscess following traumatic penetration of a tooth into the tongue. Palestini M. **Oral Surg** 1981 Nov; 52(5):485–6

OCCURRENCE

Prevalence of different morphologic forms of the human tongue in young Finns. Kullaa–Mikkonen A, et al. **Oral Surg** 1982 Feb;53(2):152–6

PATHOLOGY

Histopathology of the saburral tongue. Mascaró JM, et al. **Dermatologica** 1981;163(1):52–7

Verruciform xanthoma of the oral mucosa. Sklavounou A, et al. **Dermatologica** 1982 Jan;164(1):41–6

Atherosclerosis in the tongue of the rhesus monkey. Mostofi RS, et al. **J Dent Res** 1981 Nov;60(11):1876–85

Lingual osteoma. Esguep A, et al. **J Oral Med** 1982 Jan–Mar; 37(1):27–9

[A pathologic study on 890 cases of tongue tumor and tumor–like lesion (author's transl)] Chuang SM. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):479–92 (Eng. Abstr.) **(Chi)**

[Clinically primary tuberculosis of the tongue] Bonifazi F, et al. **Minerva Med** 1982 May 12;73(20):1349–52 **(Ita)**

[Combination of disseminated pulmonary tuberculosis and tuberculosis of the tongue] Mulik LI, et al. **Probl Tuberk** 1981 Oct;(10):73 **(Rus)**

[Case of nonspecific necrotic ulcers of the tongue and lower lip] Khitrov VIu, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):73–4 **(Rus)**

[Keratoacanthoma of the tongue in a child] Il'in II, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):59–61 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The pH of stimulated and resting saliva in different morphologic forms of the tongue surface in a young population. Kullaa-Mikkonen A, et al. **Oral Surg** 1982 May; 53(5):466–8

TONGUE, FISSURED

FAMILIAL & GENETIC

[Plicated tongue and chromosome abnormalities in families with Down's syndrome] Caratzali A. **Neurol Psychiatr (Bucur)** 1981 Apr-Jun;19(2):143–9 **(Fre)**

TONGUE, FURROWED see **TONGUE, FISSURED**

TONGUE, GEOGRAPHIC see **GLOSSITIS, BENIGN MIGRATORY**

TONGUE HABITS

Tongue posture. Mew J. **Br J Orthod** 1981 Oct;8(4):203–11

Toward more effective therapy for tongue thrust. Hanson ML. **Int J Orthod** 1981 Sep;19(3):7–12

Tongue thrust and malocclusion: a longitudinal study. Hanson ML, et al. **Int J Orthod** 1982 Jun;20(2):9–18

The use of hypnotherapy in treating tongue thrusting problems in dentistry. Murry JM. **J Am Soc Psychosom Dent Med** 1982;29(2):42–3

Habit reversal vs negative practice treatment of self-destructive oral habits (biting, chewing or licking of the lips, cheeks, tongue or palate). Azrin NH, et al. **J Behav Ther Exp Psychiatry** 1982 Mar;13(1):49–54

Aid to correct tongue position in the mandibular complete denture. Herring HW Jr, et al. **J Prosthet Dent** 1981 Dec; 46(6):676–7

TONGUE, HAIRY see under **TONGUE DISEASES**

TONGUE NEOPLASMS

COMPLICATIONS

Multiple squamous-cell carcinomas in Fanconi's anemia. Kennedy AW, et al. **Cancer** 1982 Aug 15;50(4):811–4

Carcinoma of the tongue in a patient with xeroderma pigmentosum. Yagi K, et al. **Int J Oral Surg** 1981 Feb; 10(1):73–6

CONGENITAL

Congenital fibrosarcoma of the tongue. Zanetti B, et al. **Z Kinderchir** 1982 Jan;35(1):7–8

DIAGNOSIS

Technique for routine screening for carcinoma of the base of tongue. Shugar MA, et al. **J Am Dent Assoc** 1982 May; 104(5):646–7

Carcinoma of the tongue. Report of a case in a 24-year-old man. Dann TC, et al. **Practitioner** 1982 Jan;226(1363):144–5

[An interesting case of an undescended thyroid gland] Březovský P. **Cesk Otolaryngol** 1981 Oct;30(5):303–7 (Eng. Abstr.) **(Cze)**

[Case report of cylindroma of the base of the tongue] Simon C, et al. **J Fr Otorhinolaryngol** 1981 Oct;30(8):537–9 **(Fre)**

[Ultrasonographic studies in tumors of the mouth floor and tongue in computer tomographically determined cervical lymph node metastases] Hauenstein H, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):746–51 (Eng. Abstr.) **(Ger)**

[The detection of early stage tongue carcinoma and its social and medical backgrounds (author's transl)] Hattori H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May;84(5):513–9 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Recurrent aspiration pneumonitis in a cleft palate child with hamartoma of the tongue. Demuth RJ, et al. **Cleft Palate J** 1981 Oct;18(4):299–303

Carcinoma of the tongue in a boy with xeroderma pigmentosum. Harper JI, et al. **Clin Exp Dermatol** 1981 Nov;6(6):601–4

Hamster tongue carcinogenesis. I. Characteristics of the experimental model. Eveson JW, et al. **J Oral Pathol** 1981 Oct;10(5):322–31

[Unusual traumatic alterations of the tongue (author's transl)] Fleischer K. **HNO** 1982 Jan;30(1):34–6 (Eng. Abstr.) **(Ger)**

[Cancer of the root of the tongue developing from thyroglossal duct residues] Matiakin EG, et al. **Stomatologiia (Mosk)** 1981;60(4):71 **(Rus)**

IMMUNOLOGY

[Immunohematologic indices in teratoblastomas of the tongue] Orel NF. **Vopr Onkol** 1982;28(8):77–80 **(Rus)**

PATHOLOGY

Malignant granular cell tumor of the tongue. Wetzel W, et al. **Arch Otolaryngol** 1982 Sep;108(9):603–5

Oral submucous fibrosis in a Greek female. Laskaris G, et al. **Br J Oral Surg** 1981 Sep;19(3):197–201

Interactions between normal epithelial and squamous carcinoma cells in monolayer culture. Easty GC, et al. **Cancer Res** 1982 Oct;42(10):4248–55

Interrelation of motility, shape, and surface architecture in human carcinoma cells. Haemmerli G, et al. **Cell Biol Int Rep** 1981 Sep;5(9):929–36

Malignant changes in glossal leukoplakia. Roch-Berry CS. **Clin Radiol** 1981 Nov;32(6):693–4

In vitro motility of cells from human epidermoid carcinomas. A study by phase-contrast and reflection-contrast cinematography. Haemmerli G, et al. **Int J Cancer** 1981 May 15;27(5):603–10

Lingual and normally located thyroid glands in Nigerian children. Ijaduola GT. **J Laryngol Otol** 1982 Feb; 96(2):177–80

Pigmented squamous cell carcinoma of the oral mucosa – with special reference to the role of non-keratinocytes in tumors and tumorous conditions. Ide F, et al. **J Nihon Univ Sch Dent** 1981 Mar;23(1):1–9

Hamster tongue carcinogenesis II. Quantitative morphologic aspects of preneoplastic epithelium. Eveson JW, et al. **J Oral Pathol** 1981 Oct;10(5):332–41

Benign nerve sheath neoplasm: a light microscopic and ultrastructural evaluation with differential diagnostic guidelines. Greer RO Jr, et al. **J Oral Surg** 1981 Dec; 39(12):951–3

Radiation-induced pseudosarcoma of the tongue. Eisenbud L, et al. **Oral Surg** 1982 Jan;53(1):64–8

Benign mesenchymoma of the oral soft tissues. Freedman PD, et al. **Oral Surg** 1982 Jun;53(6):606–10

Dermoid cyst of the tongue with sinus tract. Giunta JL, et al. **Oral Surg** 1982 May;53(5):450–3

Heterotopic brain in the tongue. Ofodile FA, et al. **Plast Reconstr Surg** 1982 Jan;69(1):120–4

[Granular-cell tumor of the tongue (report of 5 cases) (author's transl)] Zhou ZY. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):20–2 **(Chi)**

[A pathologic study on 890 cases of tongue tumor and tumor-like lesion (author's transl)] Chuang SM. **Taiwan I Hsueh Hui Tsa Chih** 1981 May;80(5):479–92 (Eng. Abstr.) **(Chi)**

[Mixed-type neurinoma of the base of the tongue] Bertelli E, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):371–6 **(Ita)**

[Early invasive carcinoma of the tongue--clinicopathology of four cases (author's transl)] Kouno Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):647–55 (Eng. Abstr.) **(Jpn)**

[Malignant endothelioma of the root of the tongue in a 13-year-old boy] Bitiutskii PG, et al. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):69–71 **(Rus)**

RADIOGRAPHY

Lymphoid hyperplasia at the base of the tongue. Spectrum of a benign entity. Gromet M, et al. **Radiology** 1982 Sep; 144(4):825–8

RADIONUCLIDE IMAGING

Low thyroid uptake of radioiodine. Martin ND. **Semin Nucl Med** 1981 Oct;11(4):318–9

RADIOTHERAPY

Results of brachytherapy for cancer of the tongue with special emphasis on local prognosis. Horiuchi J, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):829–35

Analysis of time-dose factors in squamous cell carcinoma of the oral tongue and floor of mouth treated with radiation therapy alone. Mendenhall WM, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug;7(8):1005–11

The role of afterloading iridium (Ir192) implant in the management of carcinoma of the tongue. Puthawala AA, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):407–12

A non-looping afterloading technique for interstitial implants of the base of the tongue. Vikram B, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar;7(3):419–22

Carcinoma of the base of the tongue: results of radical irradiation with surgery reserved for irradiation failure. Parsons JT, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):689–96

Carcinoma of the oral tongue. A retrospective study of 72 patients. Dewit L, et al. **Strahlentherapie** 1982 May; 158(5):263–9

Radiotherapy of oral tongue cancer. Baroncelli G, et al. **Tumori** 1981 Aug;67(4):349–54

[Malignant lymphoma with primary involvement of Waldeyer's ring (author's transl)] Tang WY, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):113–6 (Eng. Abstr.) **(Chi)**

[Interstitial therapy of tongue cancer with gold-198] Slanina J. **Strahlentherapie [Sonderb]** 1981;76:80–3 **(Ger)**

[Radiotherapy of carcinomas of the tongue with special reference to stage I (T1N0M0) cases (author's transl)] Fuchihata H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(9):850–6 (Eng. Abstr.) **(Jpn)**

[Mandibular osteoradionecrosis in cancer of tongue. Time-dose consideration (author's transl)] Okuyama T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Apr 25; 41(4):365–73 (Eng. Abstr.) **(Jpn)**

[Dose, time and volume factors in interstitial therapy of tongue neoplasms with cf-252] Vtiurin BM, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):3–8 (Eng. Abstr.) **(Rus)**

SECONDARY

Renal cell carcinoma involving oral soft tissues. Fitzgerald RH Jr, et al. **J Oral Maxillofac Surg** 1982 Sep;40(9):604–6

SURGERY

Malignant melanoma at unusual sites. Lukács L. **Acta Chir Acad Sci Hung** 1980;21(4):319–27

A rational approach to carcinoma of the tongue. Yarington CT Jr. **Am Surg** 1981 Sep;47(9):381–3

A massive haemangioma of the upper airway [letter] Divekar VM, et al. **Anaesthesia** 1982 Jan;37(1):93–4

Adenocarcinoma of the tongue--a dialogue case report. Elliott E, et al. **Ann Plast Surg** 1981 Sep;7(3):233–5

Advanced carcinoma of the tongue. Management by total glossectomy without laryngectomy. Effron MZ, et al. **Arch Otolaryngol** 1981 Nov;107(11):694–7

Results and prognostic factors in salvage surgery for squamous carcinomas of the tongue. Pittam MR, et al. **Br J Surg** 1982 Apr;69(4):188–90

Surgeon's workshop: a modification of the 'pull through' technique of glossectomy. Bradley PJ, et al. **Clin Otolaryngol** 1982 Feb;7(1):59–62

The role of suprahyoid neck dissection in the management of cancer of the tongue and floor of the mouth. Donegan JO, et al. **Head Neck Surg** 1982 Jan-Feb;4(3):209–12

Median labiomandibular glossotomy. Wessberg GA, et al. **Int J Oral Surg** 1981 Oct;10(5):333–7

Resection of the tongue with the carbon dioxide laser. Carruth JA. **J Laryngol Otol** 1982 Jun;96(6):529–43

Carcinoma of the tongue: evaluation of surgical treatment of 123 cases. Martis CS. **J Oral Maxillofac Surg** 1982 Jun; 40(6):340–7

The new tongue. Conley J, et al. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):58–68

The management of advanced carcinoma of the tongue by total glossectomy without laryngectomy. Effron MZ. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Fall; 34(2):158–63

THERAPY

Recurrence patterns by treatment modality of carcinomas of the floor of the mouth and oral tongue. Lehman RH, et al. **Am J Otolaryngol** 1982 May-Jun;3(3):174–81

Carcinoma of the anterior tongue. Leipzig B, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):94–7

The role of initial modality in treatment of squamous cell carcinoma of the tongue. Razack MS, et al. **J Surg Oncol** 1982 Mar;19(3):136–8

Carcinoma of the oral tongue: a study of patient selection and treatment results. Marks JE, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1548–59

[Carcinoma of the tongue] Ylikoski MA. **Duodecim** 1981; 97(22):1845–52 (Eng. Abstr.) **(Fin)**

[Results of the combined and radiation treatment of tongue cancer patients with various anatomical forms of the tumor] Khazova TV, et al. **Vopr Onkol** 1982;28(4):54–6 **(Rus)**

ULTRASTRUCTURE

Five human tumour cell lines derived from a primary squamous carcinoma of the tongue, two subsequent local recurrences and two nodal metastases. Easty DM, et al. **Br J Cancer** 1981 Sep;44(3):363–70

Fine structure of granular cell tumor of Abrikossoff. Manara GC, et al. **J Cutan Pathol** 1981 Aug;8(4):277–82

Ultrastructural changes of epithelium-connective tissue junction in experimental lingual tumors. Otsubo Y, et al. **J Oral Pathol** 1982 Apr;11(2):159–73

Glomus tumor (golomangioma) of the tongue. A light and electron microscopic study. Tajima Y, et al. **Oral Surg** 1981 Sep;52(3):288–93

VETERINARY

Articulating bone formation in the rat tongue. Jayaraj AP. **J Laryngol Otol** 1982 Jul;96(7):665–7

TONOFILAMENTS see **CYTOPLASMIC FILAMENTS**

TONOMETRY

[Notes on clinical criteria for the evaluation of tonometers (author's transl)] Jessen K, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):96–9 **(Eng. Abstr.) (Ger)**

[What happens when mmHg are replaced by kPa? (author's transl)] Stepanik J. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):478–80 (Eng. Abstr.) **(Ger)**

[Effect of repeated tonometry and the measurement errors of tonometric prints] Sorochkin EK. **Vestn Oftalmol** 1981 May-Jun;(3):54–7 **(Rus)**

INSTRUMENTATION

Measurements of intraocular pressure made with multiple noncontact tonometers. Augsburger A, et al. **Am J Optom Physiol Opt** 1982 Apr;59(4):342–5

Instrumental bias in blood gas analysis of tonometered whole blood [letter] Sutt–Corbett B, et al. **Clin Chem** 1982 Mar; 28(3):550–2

An instrument for self–measurement of intraocular pressure. Zeimer RC, et al. **IEEE Trans Biomed Eng** 1982 Mar; 29(3):178–83

[The normal intraocular pressure as measured with the non–contact tonometer (author's transl)] Shi YH. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):211–3 **(Chi)**

[Table for determination of eye rigidity coefficient by applanation tonometry] Akpatrov AI. **Oftalmol Zh** 1981; 36(6):379–80 **(Rus)**

[Use of a manikin for training in measurement of intraocular pressure] Novitskii IIa. **Oftalmol Zh** 1981;36(6):381–2 **(Rus)**

[New impression tonograph] Vagin BI, et al. **Vestn Oftalmol** 1982 May–Jun;(3):62–5 (Eng. Abstr.) **(Rus)**

METHODS

Goldmann applanation tonometry without fluorescein. Bright DC, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1120–6

The ocular pulse. Perkins ES. **Curr Eye Res** 1981;1(1):19–23

Temperature error in continuous Mackay–Marg tonometry [letter] Cooper RL, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):274–5

[Tonometer calibration (author's transl)] Weigelin E, et al. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):1–12 (Eng. Abstr.) **(Ger)**

[Widening the possibilities of ortho–clinostatic test in early diagnosis of open–angle glaucoma] Tiurikov IuA, et al. **Oftalmol Zh** 1981;36(6):359–61 (Eng. Abstr.) **(Rus)**

UTILIZATION

The impact of a court decision on the actual practice of eye care. Godio LB, et al. **Am J Optom Physiol Opt** 1982 Mar; 59(3):267–70

VETERINARY

Evaluation of electronic tonometers in the rabbit eye. Gelatt KN, et al. **Am J Vet Res** 1981 Oct;42(10):1778–81

TONSIL

Primary syphilis of the tonsil. Fiumara NJ, et al. **Arch Otolaryngol** 1982 Jan;108(1):43–4

Radiographic diagnosis of tonsillar cyst presenting as dysphagia. Twigg HL, et al. **Gastrointest Radiol** 1981; 6(4):305–6

Primary syphilis of the tonsil: presentation of four cases. Viers WA. **Laryngoscope** 1981 Sep;91(9 Pt 1):1507–11

[Extrathoracic and disseminated sarcoidosis in children, teenagers, and adolescents] Borisova NK, et al. **Probl Tuberk** 1982 Apr;(4):44–6 **(Rus)**

CYTOLOGY

Studies on the intracellular cAMP metabolism of tonsillar lymphocytes. Asakura K, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug;92(1–2):181–8

Identification of T–lymphocytes and T–subsets in human tonsil using monoclonal antibodies and the immunoperoxidase technic. McMillan EM, et al. **Am J Clin Pathol** 1981 Dec;76(6):737–44

The cells in tonsillar crypts. Howie AJ. **Clin Otolaryngol** 1982 Feb;7(1):35–44

The identification of lymphoid cell subpopulations in sections of human lymphoid tissue and gingivitis in children using monoclonal antibodies. Seymour GJ, et al. **J Periodont Res** 1982 May;17(3):247–56

EMBRYOLOGY

[The development and function of the pharyngeal tonsil in early ontogenesis] Slípka J, et al. **Cesk Otolaryngol** 1981 Aug;30(4):201–6 (Eng. Abstr.) **(Cze)**

ENZYMOLOGY

The enzyme histochemistry of lymphoid and non–lymphoid cells of the human palatine tonsil: a basis for the study of lymphomas. Crocker J. **J Pathol** 1981 May;134(1):81–95

Amylase in the tonsil. Chen HS. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr; 44(2):116–8

IMMUNOLOGY

Characteristic distribution of immunoglobulin–containing cells in palatine tonsils. Franěk J, et al. **Folia Microbiol (Praha)** 1981;26(3):253–9

Serum and salivary IgA levels in normal subjects: comparison between tonsillectomized and non–tonsillectomized subjects. D'Amelio R, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):256–9

Oral tonsils: an immunoperoxidase study. Matthews JB, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):21–5

Double labeled–antigen method for demonstration of intracellular antigens in paraffin–embedded tissues. Falini B, et al. **J Histochem Cytochem** 1982 Jan;30(1):21–6

Differences in specific antibody responses of human tonsillar cells to an oral and a parenteral antigen. Paganelli R, et al. **Scand J Immunol** 1981 Oct;14(4):353–8

[Determination of the concentration of immunoglobulins at the surface of the palatine tonsils] Liashenko IuI. **Lab Delo** 1981;(9):558–60 **(Rus)**

METABOLISM

Tissue penetration of erythromycin in Waldeyer's ring and bacteriology of secretory otitis media. Sundberg L, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1981;384:1–27

The penetration of erythromycin into Waldeyer's ring––tonsil and adenoid tissue. Sundberg L, et al. **Infection** 1982;10 Suppl 2:S105–7

[Concentrations of erythromycin and amoxicillin in tonsil and sinus tissues of patients with tonsillitis and sinusitis. A comparison (author's transl)] Blenk H, et al. **Infection** 1982; 10 Suppl 2:S108–12 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

[Studies on the incidence of Salmonella in a number of lymph nodes and tonsillar tissues of slaughtered pigs (author's transl)] Narucka U. **Tijdschr Diergeneeskd** 1982 Mar 15; 107(6):220–4 (Eng. Abstr.) **(Dut)**

[Comparison of two enrichment methods and five selective media for the isolation of Yersinia enterocolitica from tonsils of slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):72–7 (Eng. Abstr.) **(Ger)**

[Seasonal isolation of Yersinia enterocolitica and Yersinia pseudotuberculosis from tonsils of healthy slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):78–83 (Eng. Abstr.) **(Ger)**

[Group representation of beta–hemolytic streptococci isolated from tonsil swabs. (author's transl)] Buranský J, et al. **Bratisl Lek Listy** 1982 Jan;77(1):45–51 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Isolation of Toxoplasma gondii from the saliva and tonsils of a three–year–old child. Amendoeira MR, et al. **J Infect Dis** 1982 Apr;145(4):587

PATHOLOGY

Malakoplakia of palatine tonsil. Kalfayan B, et al. **Am J Clin Pathol** 1982 Sep;78(3):390–4

Tonsillar hypertrophy, cor pulmonale and cardiac failure. Vellayappan K, et al. **Ann Acad Med Singapore** 1981 Oct; 10(4):461–5

Does drop in T and A's pose new issue of adenotonsillar hypertrophy? [news] Check WA. **JAMA** 1982 Mar 5; 247(9):1229–30

Adenotonsillar hypertrophy and upper airway obstruction in evolutionary perspective. Grundfast KM, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):650–6

Lymphoid hyperplasia at the base of the tongue. Spectrum of a benign entity. Gromet M, et al. **Radiology** 1982 Sep; 144(4):825–8

[Hypertrophied tonsils and upper respiratory tract] Nishimura T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun; 84(6):688–91 **(Jpn)**

[Palatal tonsil changes and interstitial microbial foci in chronic tonsillitis] Vartazarian ND. **Arkh Patol** 1981; 43(5):10–5 (Eng. Abstr.) **(Rus)**

[State of the lymphoid pharyngeal ring in lymphosarcoma] Belousova NV. **Vestn Otorinolaringol** 1981 Sep–Oct; (5):44–7 (Eng. Abstr.) **(Rus)**

[Airway obstruction in sleeping children caused by tonsillar hyperplasia] Lind M, et al. **Lakartidningen** 1981 Aug 26; 78(35):2947–50 (Eng. Abstr.) **(Swe)**

PHYSIOLOGY

[Current aspects of tonsillar morphology and physiopathology] Obreja S, et al. **Rev Chir [Otorinolaringol]** 1981 Oct–Dec;26(4):241–55 (25 ref.) **(Rum)**

RADIATION EFFECTS

[Attachment for mercury quartz lamps for irradiating paired ENT organs] Sorokin LI, et al. **Voen Med Zh** 1981 Aug; (8):68–9 **(Rus)**

ULTRASTRUCTURE

Microcrypt extensions of tonsillar crypts. Maeda S, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Jul–Aug;94:1–8

Ultrastructural demonstration of immunoglobulin in glutaraldehyde fixed resin embedded human tonsil by an indirect immunoperoxidase method. Smart Y, et al. **J Immunol Methods** 1981;45(1):95–105

TONSILLAR NEOPLASMS

ANALYSIS

Presence of Epstein–Barr virus DNA in tonsillar tissues. Břicháček B, et al. **Acta Virol (Praha)** 1981 Nov; 25(6):361–70

[Microspectrophotometric control of the effectiveness of radiation and chemotherapeutic treatment methods in malignant tumors of the laryngeal lymphadenoid ring] Alimetov KhA, et al. **Vestn Otorinolaringol** 1982 Jan–Feb; (1):57–60 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Claude Bernard–Horner syndrome occurring at the moment of the removal of a branchiogenous cyst of the palatine tonsil] Gariuk GI. **Vestn Otorinolaringol** 1982 May–Jun; (3):74 **(Rus)**

DIAGNOSIS

[Immunofluorescence of oral swabs––a new method for early recognition of recurrencies in patients with tonsillar carcinoma? (author's transl)] Mang WL, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):385–6 (Eng. Abstr.) **(Ger)**

[State of the lymphoid pharyngeal ring in lymphosarcoma] Belousova NV. **Vestn Otorinolaringol** 1981 Sep–Oct; (5):44–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

The prognostic value of immunofluorescence from oral swabs in patients with tonsillar carcinoma. Mang WL, et al. **J Med** 1981;12(6):447–53

PATHOLOGY

A case of adult rhabdomyoma in the tonsillar region. A light and electron microscope study. Silseth C, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Jan; 90(1):1–4

Heterotopic brain tissue simulating a neonatal tonsil. Feldman BA, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):428–30

Extranasopharyngeal angiofibromas. (Sex incidence and age distribution). Ali S, et al. **J Laryngol Otol** 1982 Jun; 96(6):559–65

Case report: benign polyp of the palatine tonsil. Gerberi MP, et al. **Milit Med** 1982 Feb;147(2):150, 153

[Hemangioma of the palatine tonsil] Jensen JH. **Ugeskr Laeger** 1981 Dec 7;143(50):3392–3 (Eng. Abstr.) **(Dan)**

RADIOTHERAPY

Carcinoma of the tonsil. Analysis of 162 cases. Givens CD Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):730–4

Carcinoma of the tonsillar region: results of external irradiation. Tong D, et al. **Cancer** 1982 May 15; 49(10):2009–14

General principles of irradiation therapy as applied to head and neck cancer. Harwood AR, et al. **J Otolaryngol** 1982 Apr;11(2):69–76

[Malignant lymphoma with primary involvement of Waldeyer's ring (author's transl)] Tang WY, et al. **Chung Hua Chung Liu Tsa Chih** 1981 May;3(2):113–6 (Eng. Abstr.) **(Chi)**

[Radiation therapy for malignant tumors of tonsil––an analysis of 100 cases (author's transl)] Zhang HW. **Chung Hua Chung Liu Tsa Chih** 1982 Feb;4(1):54–7 (Eng. Abstr.) **(Chi)**

[A patient with abnormalities in the oro–facial region following radiotherapy at an early age] Roeters FJ, et al. **Tijd Kindergeneeskd** 1981 Jun;49(3):99–102 (Eng. Abstr.) **(Dut)**

SECONDARY

Tonsillar metastases from adenocarcinoma of the stomach. Passmore AL, et al. **Aust NZ J Surg** 1982 Aug;52(4):371–2

Malignant melanoma: metastasis to the tonsil. Craig RM, et al. **J Am Dent Assoc** 1982 Jun;104(6):893–4

Ulcerating tumor of tonsil and neck mass as occurrence of acute myelocytic leukemia. Zapf B, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):560–3

SURGERY

Carcinoma of the tonsil. Analysis of 162 cases. Givens CD Jr, et al. **Arch Otolaryngol** 1981 Dec;107(12):730–4

[The role of primary surgery in the treatment of carcinomas of the tonsillar region (author's transl)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(10–11):491–6 (Eng. Abstr.) **(Fre)**

[Trans–maxillary pharyngectomy with pedicled skin flap in the treatment of cancers of the tonsil area (29 cases)] Demard F, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct;102(9–10):411–22 (Eng. Abstr.) **(Fre)**

THERAPY

Carcinoma of the tonsillar region: a comparison of radiation therapy with combined preoperative radiation and surgery. Shrewsbury D, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):979–85

TONSILLECTOMY

Halothane anaesthesia with spontaneous respiration for tonsillectomy in children. Valentin N, et al. **Acta Anaesthesiol Scand** 1982 Feb;26(1):53–5

Middle ear pressure during brief pathological conditions of the nose and throat. Bonding P, et al.

Acta Otolaryngol (Stockh) 1981 Jul-Aug;92(1-2):63-9
Elective surgery in patients with sickle cell anemia. Coker NJ, et al. **Arch Otolaryngol** 1982 Sep;108(9):574-6
Tonsillectomy and autoantibodies in patients with habitual tonsillitis. Yoshida Y, et al. **Auris Nasus Larynx** 1980; 7(3):151-7
Indications for tonsillectomy: a 4-yr follow-up evaluation. Henteleff PD, et al. **Clin Invest Med** 1981;4(2):123-8
Post tonsillectomy haemorrhage. Carmody D, et al. **J Laryngol Otol** 1982 Jul;96(7):635-8
Results of long-term ECG monitoring in patients submitting to tonsillectomy under local anaesthesia. Pekkarinen H, et al. **J Laryngol Otol** 1982 Aug;96(8):725-30
A whole life is watching at the tonsillectomy. Gros JC. **J Tenn Med Assoc** 1982 Jan;75(1):13-6
Does drop in T and A's pose new issue of adenotonsillar hypertrophy? [news] Check WA. **JAMA** 1982 Mar 5; 247(9):1229-30
Chewing gum and tonsillectomy. Schiff M. **Laryngoscope** 1982 Jul;92(7 Pt 1):820
Peritonsillar abscess in the pediatric population. Richardson KA, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec; 89(6):907-9
Tonsillectomy and adenoidectomy. Paradise JL. **Pediatr Clin North Am** 1981 Nov;28(4):881-92
Tonsillectomy, appendectomy and malignant lymphomas. Silingardi V, et al. **Scand J Haematol** 1982 Jan;28(1):59-64
Immunological Considerations in patients with tonsillar lesions. Yamauchi S, et al. **Tokai J Exp Clin Med** 1981 Apr;6(2):181-92
Tonsillectomy: a prognostic factor in Hodgkin's disease? Gobbi PG, et al. **Tumori** 1981 Oct 31;67(5):425-30
[Indications for tonsillectomy] Hordijk GJ. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):866-9 **(Dut)**
[Indications for tonsillectomy in children] Mélon J, et al. **Rev Med Liege** 1981 Apr 1;36(7):279-85 **(Fre)**
[Must large tonsils be removed in children?] Baculard A, et al. **Sem Hop Paris** 1981 Oct 18-25;57(39-40):1626-8 **(Fre)**
[Postoperative bleeding after adeno-tonsillectomy from the anaesthesist's point of view (author's transl)] Fritsche P. **HNO** 1981 Dec;29(12):397-400 (Eng. Abstr.) **(Ger)**
[Otolaryngological and pediatric follow-up of 169 adenotonsillectomies (author's transl)] Panis R, et al. **HNO** 1981 Dec;29(12):401-6 (Eng. Abstr.) **(Ger)**
[Indications for tonsillectomy today] Boenninghaus HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):54-65 **(Ger)**
[Intraoperative O2-CO2-determination in blood of not intubated children during tonsillectomy (author's transl)] Dupal HD. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr; 61(4):193-5 (Eng. Abstr.) **(Ger)**
[For prevention of complications, especially postoperative bleeding, in tonsillectomy and adenoidectomy (author's transl)] Jakse R. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):345-50 (Eng. Abstr.) **(Ger)**
[Comments on the practice of preoperative pediatric examinations preceding tonsillectomies (letter)] Boda D. **Orv Hetil** 1981 Nov 8;122(45):2810 **(Hun)**
[Serum alpha 1-antitrypsin and tonsillectomy in children] Gravina-Sanvitale G, et al. **Minerva Pediatr** 1981 Sep 30; 33(18):903-9 (Eng. Abstr.) **(Ita)**
[Ovarian function in women having undergone a tonsillectomy] Orlova VG, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):26-8 **(Rus)**
[Non-specific cellular immunity in tonsillectomies in children under general anesthesia] Mozhaev GA, et al. **Anesteziol Reanimatol** 1981 Jul-Aug;(4):36-9 (Eng. Abstr.) **(Rus)**
[Use of falimint postoperatively in tonsillectomy] Gadzhiev MK. **Vestn Otorinolaringol** 1981 Jul-Aug;(4):68 **(Rus)**
[Facial neuritis after tonsillectomy] Skudnev DM, et al. **Vestn Otorinolaringol** 1982 Mar-Apr;(2):66-7 **(Rus)**
[Pre- and post-tonsillectomy bacteremia] Solabre M, et al. **An Otorrinolaringol Ibero Am** 1981;8(4):331-40 (Eng. Abstr.) **(Spa)**
[Retrospective study of tonsillectomized patients: more liberal attitude to tonsillectomy is justified] Lindén M. **Lakartidningen** 1981 Sep 2;78(36):3038-40 **(Swe)**

ADVERSE EFFECTS

Serum and salivary IgA levels in normal subjects: comparison between tonsillectomized and non-tonsillectomized subjects. D'Amelio R, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):256-9
Internal carotid artery as source of tonsillectomy and adenoidectomy hemorrhage. Osguthorpe JD, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):758-62
Tonsillectomy and appendicectomy--do they prejudice subsequent health? [editorial] Walker AR, et al. **S Afr Med J** 1982 Apr 17;61(16):570
Massive posttonsillectomy hemorrhage. Nathan MD, et al. **South Med J** 1981 Sep;74(9):1153-6
[Actiopathogenic study of per and postoperative haemorrhage in adenotonsillectomy in the child (author's transl)] Moreau MC, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):129-39 (Eng. Abstr.) **(Fre)**
[Paralysis of the hypoglossal nerve after tonsillectomy? (author's transl)] Boenninghaus HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):189-92 (Eng. Abstr.) **(Ger)**
[Speech and language disorders following adenoidectomy and tonsillectomy (author's transl)] Richstein A. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):351-4 (48 ref.) (Eng. Abstr.) **(Ger)**
[Factors affecting the degree of hemorrhage during tonsillectomy in children] Kraĭkin VA, et al. **Vestn Otorinolaringol** 1981 Nov-Dec;(6):71 **(Rus)**

HISTORY

[French contributions to tonsillectomy] Herrera Casado A. **An Otorrinolaringol Ibero Am** 1981;8(6):487-94 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Tonsillectomy with a suction coagulator. Goycoolea MV, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):818-9

METHODS

[Tonsillectomy under general anesthesia and hemostatic technics] Sekiya T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20;84(12):1625-8 **(Jpn)**
[Tonsillectomy under general anesthesia and hemostatic technics] Sekiya T. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Feb;85(2):239-42 **(Jpn)**

NURSING

The role of pediatric nurse practitioners in the tonsil and adenoid study. Bachman RZ, et al. **Pediatr Clin North Am** 1981 Nov;28(4):893-5

UTILIZATION

Changes in age and sex specific tonsillectomy rates: United States, 1970-1977. Freeman JL, et al. **Am J Public Health** 1982 May;72(5):488-91
T's and A's in question. **Drug Ther Bull** 1982 Mar 19; 20(6):23-4
Tonsillectomy prevalences in South African schoolchildren. Walker AR, et al. **Trop Geogr Med** 1981 Dec;33(4):383-6

TONSILLITIS

BLOOD

[Serum alpha 1-antitrypsin and tonsillectomy in children] Gravina-Sanvitale G, et al. **Minerva Pediatr** 1981 Sep 30; 33(18):903-9 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Streptococci and reactive arthritis [letter] Hubbard WN, et al. **Ann Rheum Dis** 1982 Aug;41(4):435
[Tonsillogenic reactive polyadenitis and leukemoid reactions in young people] Krylov AA, et al. **Voen Med Zh** 1982 Jan;(1):62-4 **(Rus)**
[Features of cellular immune reactions in patients with myocarditis of different etiology] Lozovoĭ VP, et al. **Vopr Revm** 1982 Apr-Jun;(2):33-5 (Eng. Abstr.) **(Rus)**
[Diagnosis of tonsillogenic myocardiodystrophy] Detsik IuI, et al. **Vrach Delo** 1982 Jun;(6):69-72 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Streptococcal vs. diphtheritic tonsillitis [letter] Laub GR. **Am Fam Physician** 1982 Jan;25(1):30
[Primary syphilitic lesions of extragenital location] Starzycki Z, et al. **Przegl Dermatol** 1981 Jul-Aug;68(4):475-81 (Eng. Abstr.) **(Pol)**
[Study of conjunctival microcirculation as a criterion of the effect of chronic tonsillitis on the course of hemorrhagic vasculitis in children] Kraikin VA, et al. **Vestn Otorinolaringol** 1982 Jan-Feb;(1):44-7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Peritonsillitis [letter] Greene DA. **Arch Otolaryngol** 1981 Oct; 107(10):651
Treatment of Group A streptococcal pharyngitis in children. Results of a prospective, randomized study of four antimicrobial agents. Ginsburg CM, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):83-8
Patch testing in adverse drug reactions to penicillin and cephalosporin. Valsecchi R, et al. **Contact Dermatitis** 1981 May;7(3):158
Treatment of group A streptococcal pharyngotonsillitis [letter] Brook I. **JAMA** 1982 May 14;247(18):2496
Treatment of group A streptococcal pharyngotonsillitis [letter] Goldenring J. **JAMA** 1982 Apr 16;247(15):2096-7
Metronidazole in the treatment of anginose infectious mononucleosis. Spelman DW, et al. **Scand J Infect Dis** 1982;14(2):99-101
[Concentrations of erythromycin and amoxicillin in tonsil and sinus tissues of patients with tonsillitis and sinusitis. A comparison (author's transl)] Blenk H, et al. **Infection** 1982; 10 Suppl 2:S108-12 (Eng. Abstr.) **(Ger)**
[Controlled clinical study of tranexamic acid in the treatment of inflammatory otorhinolaryngological diseases] Magri M. **Clin Ter** 1981 Feb 15;96(3):251-61 (Eng. Abstr.) **(Ita)**
[Clinical studies of the therapeutic effectiveness of the combination of tranexamic acid and antibiotics in otorhinolaryngology] Redaelli GA, et al. **Clin Ter** 1981 Feb 15;96(3):271-81 (Eng. Abstr.) **(Ita)**
[Method of intralacunar drug administration in the conservative treatment of chronic tonsillitis] Rudin KI. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):67-8 **(Rus)**

ECONOMICS

[Economic effectiveness of treating children with chronic tonsillitis at health resorts in the Far East] Zavgorud'ko TI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar-Apr;(2):61-3 **(Rus)**

ETIOLOGY

Association of Epstein-Barr virus with acute exudative tonsillitis. Grady D, et al. **Otolaryngol Head Neck Surg** 1982 Jan-Feb;90(1):11-5

FAMILIAL & GENETIC

Immunological aspects of the focus problem and the genetic type of haptoglobin. Siegel G, et al. **Arch Otorhinolaryngol** 1981;232(3):263-4

IMMUNOLOGY

Tonsillectomy and autoantibodies in patients with habitual tonsillitis. Yoshida Y, et al. **Auris Nasus Larynx** 1980; 7(3):151-7
[Effect of penicillin and erythromycin on immunity in angina] Liashenko IuI. **Antibiotiki** 1982 May;27(5):378-82 (Eng. Abstr.) **(Rus)**
[Cellular-type hypersensitivity in chronic tonsillitis in children and its modification by surgical treatment] Lakotkina OIu, et al. **Vestn Otorinolaringol** 1982 Jan-Feb; (1):40-4 (Eng. Abstr.) **(Rus)**
[Effect of decaris and apilac on the immune system of persons frequently ill with tonsillitis and their susceptibility to the causative agents of this disease] Liashenko IuI, et al. **Vestn Otorinolaringol** 1982 Jan-Feb;(1):60-4 (Eng. Abstr.) **(Rus)**
[The presence of immunologic deposits in focal tonsillitis] Orti Company A, et al. **An Otorrinolaringol Ibero Am** 1981; 8(4):323-9 (Eng. Abstr.) **(Spa)**

METABOLISM

[Effect of chronic infection foci on carbohydrate and vitamin C and B1 metabolism in rheumatism] Pokin'chereda VV, et al. **Vrach Delo** 1981 Jul;(7):57-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Human papovavirus isolated from urine of a child with acute tonsillitis. Goudsmit J, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1363-4
Tonsillomycosis: a myco-histopathological study. Maher A, et al. **J Laryngol Otol** 1982 Mar;96(3):229-40
[Anerobic infections in otolaryngology (author's transl)] Mann W, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul; 60(7):355-8 (11 ref.) (Eng. Abstr.) **(Ger)**
[Experimental study of the pathogenicity of anaerobic Streptococci (Peptostreptococci)] Stovbun FI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):108-9 **(Rus)**

OCCURRENCE

Consideration on the relation between the pharyngo-amygdalitis infections and the poststreptococcal joint, cardiac and renal affections in school children. Ivan A, et al. **Sante Publique (Bucur)** 1981;24(4):371-84
[Seasonality of the epidemic process in anginas] Agafonov VI, et al. **Voen Med Zh** 1981 Sep;(9):38-42 **(Rus)**

PATHOLOGY

[Palatal tonsil changes and interstitial microbial foci in chronic tonsillitis] Vartazarian ND. **Arkh Patol** 1981; 43(5):10-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Minimum amount of penicillin prophylaxis required to control Streptococcus pyogenes epidemic in closed community. Colling A, et al. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):95-6
[Prevention of tonsillitis and acute respiratory diseases by using dry immunostimulating aerosols] Zberovskaia NA, et al. **Sov Med** 1981;(8):94-8 **(Rus)**

SURGERY

Elective surgery in patients with sickle cell anemia. Coker NJ, et al. **Arch Otolaryngol** 1982 Sep;108(9):574-6
[Indications for tonsillectomy] Hordijk GJ. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):866-9 **(Dut)**
[Otolaryngological and pediatric follow-up of 169 adenotonsillectomies (author's transl)] Panis R, et al. **HNO** 1981 Dec;29(12):401-6 (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of children with chronic tonsillitis at the health resort with nitrogen-silicon thermal waters] Zavgorud'ko TI. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb; (1):57-8 **(Rus)**

VETERINARY

Evaluation and management of tonsillitis & pharyngitis in dogs. Kaplan B. **VM SAC** 1981 Nov;76(11):1599–1603

TOOTH

see related
DENTITION
MALOCCLUSION
MASTICATION
ODONTOGENESIS
PALEODONTOLOGY

The poetry of the tooth. Gibson C. **NZ Dent J** 1982 Jan; 78(351):6–8

[Tooth' non collagenous protein degradation by Streptococcus mutans (author's transl)] Waroux M, et al. **C R Seances Acad Sci [III]** 1982 Feb 15;294(7):313–8 (Eng. Abstr.) **(Fre)**

[Anxiety about the teeth and anxiety about the dentist] Battegay R. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Mar;92(3):196–206 (Eng. Abstr.) **(Ger)**

ANALYSIS

Kinetics of lead storage in teeth and bones: an epidemiologic approach. Steenhout A. **Arch Environ Health** 1982 Jul–Aug;37(4):224–31

Lead accumulation in teeth as a function of age with different exposures. Steenhout A, et al. **Br J Ind Med** 1981 Aug; 38(3):297–303

Lead concentrations in white-tailed deer mandibles and teeth. Witkowski SA, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):561–5

A method of analyzing the form of individual human teeth. McKeown M. **Can Dent Assoc J** 1981 Aug;47(8):534–7

Blood lead levels of neonates. Stack M. **Dev Med Child Neurol** 1982 Feb;24(1):89–90

Lead levels in the teeth of children from selected areas in the Cape Peninsula [letter] van Wyk CW, et al. **S Afr Med J** 1982 Aug 14;62(8):230

[Amount of fluoride in the teeth of the inhabitants of the high plateaus of Madagascar] Solar S, et al. **Arch Inst Pasteur Madagascar** 1981;48(1):293–6 **(Fre)**

ANATOMY & HISTOLOGY

Tooth size and morphology in a recent Australian aboriginal population from Broadbeach, South East Queensland. Smith P, et al. **Am J Phys Anthropol** 1981 Aug;55(4):423–32

Tooth sizes in two males with deletions of the long arm of the Y-chromosome. Alvesalo L, et al. **Ann Hum Genet** 1981 Feb;45(Pt 1):49–54

A histological and scanning electron microscope study of the teeth of caecilian amphibians. Casey J, et al. **Arch Oral Biol** 1981;26(1):49–58

A histological and histochemical study of developing teeth in Polypterus (Pisces, Actinopterygii). Meinke DK. **Arch Oral Biol** 1982;27(3):197–206

Short-term changes in the mesiodistal position of teeth following removal of approximal contacts in the monkey Macaca fascicularis. Moss JP, et al. **Arch Oral Biol** 1982; 27(3):273–8

The reflex optical plotter. A preliminary report. Butcher GW, et al. **Br Dent J** 1981 Nov 3;151(9):304–5

The effects of interdental stripping on the labial segments evaluated one year out of retention. Betteridge MA. **Br J Orthod** 1981 Oct;8(4):193–7

Intermaxillary tooth-width ratio analysis. Lundström AS. **Eur J Orthod** 1981;3(4):285–7

Mesiodistal tooth size in the deciduous and permanent dentitions. Lysell L, et al. **Eur J Orthod** 1982 May; 4(2):113–22

Pleistocene Macaca from Hoxne, Suffolk, England. Singer R, et al. **Folia Primatol (Basel)** 1982;37(3–4):141–52

A technique for computer plotting of clinical crown height derived from orthodontic study models. Volchansky A, et al. **J Dent** 1981 Jun;9(2):150–6

Effects of alleles at the albino locus on odontometric traits in coisogenic mice. Leamy L. **J Hered** 1981 May–Jun; 72(3):199–204

A method for the study of undecalcified bones and teeth with attached soft tissues. The Säge-Schliff (sawing and grinding) technique. Donath K, et al. **J Oral Pathol** 1982 Aug;11(4):318–26

The influence of selected light intensities on color perception within the color range of natural teeth. Barna GJ, et al. **J Prosthet Dent** 1981 Oct;46(4):450–3

Faciolingual width before and after tooth restoration: a comparative study. Ehrlich J, et al. **J Prosthet Dent** 1981 Aug;46(2):153–6

Graphic description of figure representation of the teeth and mandible in centric occlusion. Tsao DH. **J Prosthet Dent** 1982 Jan;47(1):95–100

The diagnosis of incipient arch crowding in children. McKeown M. **NZ Dent J** 1981 Jul;77(349):93–6

A rotating specimen holder for hard tissue sectioning. Risnes S. **Stain Technol** 1981 Jul;56(4):265–6

Lustre changes on teeth. The use of laser beams for comparative studies in vivo. Redmalm G, et al. **Swed Dent J** 1981;5(5–6):241–6

[A method for differentiating human tooth (author's transl)] Sun L. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec; 16(4):225–8 **(Chi)**

[Use of 2 identification methods] Eisenmenger W, et al. **Beitr Gerichtl Med** 1981;39:137–50 (Eng. Abstr.) **(Ger)**

[Roughness studies of vestibular and lingual tooth surfaces] Mierau HD, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):176–80 (Eng. Abstr.) **(Ger)**

[Preparation of ground sections of teeth and bone. 1. Review of the literature (author's transl)] Grube M, et al. **Zahn Mund Kieferheilkd** 1981;69(3):200–8 **(Ger)**

[A method of the morphometry of gingival dental changes during tooth eruption (author's transl)] Hetzer G, et al. **Zahn Mund Kieferheilkd** 1981;69(7):565–70 **(Ger)**

[Morphological study on the occlusal facet of the tooth (author's transl)] Yamamoto A. **Kokubyo Gakkai Zasshi** 1982 Mar;49(1):73–102 (Eng. Abstr.) **(Jpn)**

[Anatomical basis for preparing teeth in the area of the equator] Khalavka MN, et al. **Stomatologiia (Mosk)** 1981; 60(4):72 **(Rus)**

CYTOLOGY

Changes in mitotic activity in the basal proliferative tissues after experimental shortening of the rat incisor. Ohshima S, et al. **Arch Oral Biol** 1981;26(6):533–5

DRUG EFFECTS

[Effects of tetracycline on the children teeth (author's transl)] **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):206–8 **(Chi)**

[Effect of enzyme-containing toothpastes on phosphorus penetration into the teeth and alveolar process] Tereshina TP, et al. **Stomatologiia (Mosk)** 1981;60(4):5–6 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Development of deciduous and permanent dentition in Tarsius and its phylogenetic significance. Luckett WP, et al. **Folia Primatol (Basel)** 1982;37(1–2):1–36 (58 ref.)

[3H]glucosamine and [3H]proline radioautography of embryonic mouse dental basement membrane. Osman M, et al. **J Craniofac Genet Dev Biol** 1981;1(1):95–108

Ameloblastoma of the jaws: a 12 year review of the McGill experience. Fitzgerald GW, et al. **J Otolaryngol** 1982 Feb; 11(1):23–8

[Behavior of embryonic mouse teeth in vitro: preservation of the crown pattern and mineralization] Boukari A, et al. **J Biol Buccale** 1981 Dec;9(4):349–61 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Effects of rehabilitation on the jaws and teeth of protein-deficient and calorie-deficient pigs. Luke DA, et al. **Acta Anat (Basel)** 1981;110(4):299–305

Developmental patterns of human dental morphological traits. Saunders SR, et al. **Arch Oral Biol** 1982;27(1):45–9

Chronological development of the dentition of medically indigent children: a new perspective. Rosen AA, et al. **ASDC J Dent Child** 1981 Nov–Dec;48(6):437–42

Neonatal hamster molar tooth development: extraction and characterization of amelogenins, enamelins, and soluble dentin proteins. Lyaruu DM, et al. **Calcif Tissue Int** 1982 Jan;34(1):86–96

Expression of gamma-glutamyl transpeptidase activity in the developing mouse tooth, intervertebral disc, and hair follicle. Richards WL, et al. **Cancer Res** 1982 Oct; 42(10):4143–52

Sex differences in permanent mandibular tooth development in Macaca nemestrina. Swindler DR, et al. **Hum Biol** 1982 Feb;54(1):45–52

Use of maxillary tooth development to estimate age in a group of Hereford cross Friesian steers. Andrews AH. **Res Vet Sci** 1981 Nov;31(3):328–35

INJURIES

Guedel airway and tooth damage [letter] Pollard BJ, et al. **Anaesth Intensive Care** 1981 Nov;9(4):395

Dentoalveolar considerations in the management of facial trauma. Reiter D. **Arch Otolaryngol** 1982 Sep;108(9):577–82

Symposium on dentofacial trauma. **Dent Clin North Am** 1982 Jul;26(3):441–680

Legal considerations in dentofacial trauma. Crozier LJ. **Dent Clin North Am** 1982 Jul;26(3):669–78

Trauma: its influence on orthodontic treatment planning. Dale JG. **Dent Clin North Am** 1982 Jul;26(3):565–9

Hospital aspects of dental trauma. Dungy AF. **Dent Clin North Am** 1982 Jul;26(3):555–64

Endodontic treatment of traumatized teeth. Korzen BH. **Dent Clin North Am** 1982 Jul;26(3):505–23

Treatment of trauma to the young permanent dentition. Pulver F. **Dent Clin North Am** 1982 Jul;26(3):525–54

Radiology of trauma to the teeth and jaws. Stoneman DW. **Dent Clin North Am** 1982 Jul;26(3):591–611

Protection of the head and face. Tompson BD. **Dent Clin North Am** 1982 Jul;26(3):659–67

Effects and clinical significance of trauma to the developing permanent dentition. Torneck CD. **Dent Clin North Am** 1982 Jul;26(3):481–504

The prevention of orofacial sports injuries in the adolescent. de Wet FA. **Int Dent J** 1981 Dec;31(4):313–9

Traumatic injuries to the dentition and its supporting structures. Josell SD, et al. **Pediatr Clin North Am** 1982 Jun;29(3):717–41 (54 ref.)

INNERVATION

The ontogeny of substance P--containing nerve fibres in the developing mouse dentition. Mohamed SS, et al. **Anat Embryol (Berl)** 1982;164(1):153–9

Reinnervation of teeth, mucous membrane and skin following section of the inferior alveolar nerve in the cat. Robinson PP. **Brain Res** 1981 Sep 14;220(2):241–53

Axon number and size distribution in the developing feline inferior alveolar nerve. Fried K, et al. **J Neurol Sci** 1982 Feb;53(2):169–80

METABOLISM

Some effects of bone meal supplemented diet on bone and teeth of growing rats. Rasmussen P, et al. **Acta Odontol Scand** 1981;39(5):313–20

Plaque sampling and telemetry for monitoring acid production on human buccal tooth surfaces. Jensen ME, et al. **Arch Oral Biol** 1982;27(1):21–31

Effects of excess vitamin E on rat teeth. Alam SQ, et al. **Calcif Tissue Int** 1981;33(6):619–22

Novel topical fluoride delivery system II: remineralization of human teeth. Fox JL, et al. **J Pharm Sci** 1981 Aug; 70(8):910–2

Novel topical fluoride delivery system I: remineralization of ground bovine teeth. Yonese M, et al. **J Pharm Sci** 1981 Aug;70(8):907–10

[Blood flow in pulp of canine teeth and its relationship to accumulation of some metals in the teeth of dogs (author's transl)] Omoto M, et al. **Nippon Eiseigaku Zasshi** 1982 Feb; 36(6):887–94 **(Jpn)**

[Effect of salivary kallikrein on mineral metabolism in tissues of the dento-mandibular system in rats] Barabash RD, et al. **Fiziol Zh** 1982 Jan–Feb;28(1):72–5 (Eng. Abstr.) **(Rus)**

[Interrelated changes of carbonate and citrate metabolism in mineralized tissues in a jaw fracture and rickets] Dmitriev IM, et al. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):18–21 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Evidence for a basic plaque microbial community on the tooth surface in animals. Dent VE, et al. **Arch Oral Biol** 1981;26(3):171–9

Growth rates of Actinomyces viscosus and Streptococcus mutans during early colonization of tooth surfaces in gnotobiotic rats. Beckers HJ, et al. **Infect Immun** 1982 Feb; 35(2):583–7

A microbiological analysis of human early carious and non-carious fissures. Meiers JC, et al. **J Dent Res** 1982 Mar;61(3):460–4

Immunological labeling of oral bacteria after demineralization. An ultrastructural study. Lai C, et al. **J Periodont Res** 1981 May;16(3):266–74

PATHOLOGY

[The preparation of ground sections of teeth and bone. 2. Information: The preparation of coarse ground sections (author's transl)] Grube M, et al. **Zahn Mund Kieferheilkd** 1981;69(4):241–7 (Eng. Abstr.) **(Ger)**

[The preparation of ground sections of teeth and bone 3. Information: the preparation of thin ground sections (author's transl)] Paatz KR, et al. **Zahn Mund Kieferheilkd** 1981;69(5):359–67 (Eng. Abstr.) **(Ger)**

[Histomorphologic reactions of the teeth and parodontium to preparation for metalloceramic crowns] Rakhlenko AG. **Biull Eksp Biol Med** 1981 Aug;92(8):101–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The control mechanism of tooth eruption. An experimental study in adult monkeys. Slagsvold O, et al. **Eur J Orthod** 1981;3(4):263–71

Circadian variations of potency of placebos on pain threshold in healthy teeth. Pöllmann L, et al. **Int J Oral Surg** 1981; 10(Suppl 1):208–11

The relationship between degree of development of tooth isografts and the subsequent formation of bone and periodontal ligament. Barrett AP, et al. **J Periodont Res** 1981 Jul;16(4):456–65

Bone induction in vitro. I. Human gingival fibroblast cell lines versus tooth matrix. Rose GG, et al. **J Periodont Res** 1981 May;16(3):344–57

Occlusal forces during chewing and swallowing as measured by sound transmission. Gibbs CH, et al. **J Prosthet Dent** 1981 Oct;46(4):443–9

Photoelastic analysis of stress patterns on teeth and bone with attachment retainers for removable partial dentures. Kratochvil FJ, et al. **J Prosthet Dent** 1981 Jul;46(1):21–8

The effects of different splinting times on replantation of teeth in monkeys. Nasjleti CE, et al. **Oral Surg** 1982 Jun; 53(6):557–66

[Experimental reproduction of the process of alteration of the dental surface by abrasive and non-abrasive friction: application to the study of the diet of early man] Puech PF, et al. **C R Seances Acad Sci [III]** 1981 Nov 9; 293(9):497–502 (Eng. Abstr.) **(Fre)**

[Clinical functional analysis in the stromatognathic system] Gernet W. **Dtsch Zahnarztl Z** 1982 Apr;37(4):348–52 (Eng.

Abstr.) (Ger)
[Local differences in the coarseness of tooth surfaces in adolescents and adults] Mierau HD, et al. **Dtsch Zahnarztl Z** 1981 Jun;36(6):361–6 (Eng. Abstr.) (Ger)
[Movement behavior to impact stimulation of the Tübingen implant compared to natural teeth] Scholz F. **Dtsch Zahnarztl Z** 1981 Sep;36(9):567–70 (Eng. Abstr.) (Ger)
[Prosthetic–orthodontic analysis of functional values of teeth as related to sex factors] Papić S, et al. **Med Pregl** 1980; 33(11–12):489–92 (Eng. Abstr.) (Scr)

PHYSIOPATHOLOGY

[Electrical excitation of the teeth in a facial nerve lesion] Trofimenko LN. **Stomatologiia (Mosk)** 1982 Jan–Feb; 61(1):33–4 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

[EPR study of bovine enamel samples from the milk and permanent teeth, normal and fluoridated and X- and beta-ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 (Fre)

RADIOGRAPHY

Parallax with the Panorex. Beeching BW. **Br Dent J** 1981 Dec 1;151(11):369–73
[Densitometric analysis of dental autoradiograms] Chilikin VN, et al. **Stomatologiia (Mosk)** 1981;60(4):10–3 (Eng. Abstr.) (Rus)

SURGERY

[Conservative prosthetics of residual root residual crown (author's transl)] Shi SJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):93–6 (Chi)

TRANSPLANTATION

A histological investigation of allografts of immature mouse molars to an intrabony and extrabony site. Barrett AP, et al. **Arch Oral Biol** 1982;27(6):451–3
Revascularization of mouse tooth isografts and allografts using autoradiography and carbon-perfusion. Barrett AP, et al. **Arch Oral Biol** 1981;26(7):541–5
A histological investigations of isografts of immature mouse molars to an intrabony and extrabony site. Barrett AP, et al. **Arch Oral Biol** 1982;27(1):59–63
Transplantation of enzyme-treated teeth in the monkey Macaca fascicularis. Nevins A, et al. **Arch Oral Biol** 1982; 27(2):99–105
Transplantation of teeth and tooth germs. Northway WM. **Int Dent J** 1981 Sep;31(3):240–9
Repair processes in the cervical region of replanted and transplanted teeth in monkeys. Andreasen JO, et al. **Int J Oral Surg** 1981 Apr;10(2):128–36
An investigation into the reduction of tooth contamination in delayed transplantation. Comfort MB. **Int J Oral Surg** 1982 Apr;11(2):122–6
Pulpal changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):111–21
Vascular changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):100–10
[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131–7 (Ita)
[Immunological aspects of dental transplants] Azzolina LS, et al. **Minerva Stomatol** 1981 Jul–Aug;30(4):241–58 (117 ref.) (Eng. Abstr.) (Ita)

ULTRASTRUCTURE

Microstructure and chemical composition of fossil mammalian teeth. Fosse G, et al. **Calcif Tissue Int** 1981; 33(5):521–8
Pretransplantation treatment of human teeth in tissue culture combined with storage in liquid nitrogen. A scanning electron microscopic study. Piragner R, et al. **Exp Pathol** 1981;20(2):128–32
Ultrastructural analysis and quantitative distribution of Macro-and microelements in young teeth hard tissues by the use of an X-ray microanalyser. Knychalska-Karwan Z, et al. **Folia Histochem Cytochem (Krakow)** 1981; 19(2):87–91
The tooth-amalgam interaction. Sarkar NK, et al. **J Oral Rehabil** 1981 Sep;8(5):401–11
An universal and accurate replica technique for scanning electron microscope study in clinical dentistry. Lambrechts P, et al. **Microsc Acta** 1981 Sep;85(1):45–58
[Effect of vitamin D3 and vitamin D3 sulfate on dental and bone tissues in the pig] Daculsi G, et al. **J Biol Buccale** 1981 Dec;9(4):363–74 (Eng. Abstr.) (Fre)
[Characteristics of the adhesion to dental tissues of evicrol filling material based on scanning electron microscopic data] Dolnikov AI, et al. **Stomatologiia (Mosk)** 1981; 60(4):13–5 (Eng. Abstr.) (Rus)

TOOTH ABNORMALITIES

Leopard syndrome, a neural crest disorder: a case report. Peixoto MA, et al. **Arq Neuropsiquiatr** 1981 Jun; 39(2):214–22
[Clinical observation on Rieger's syndrome (report of 4 cases) (author's transl)] Deng HJ. **Chung Hua Yen Ko Tsa Chih** 1981 Nov;17(6):359–61 (Chi)

CLASSIFICATION

[Difficulties in the differentiation between tooth gemination and fusion apropos of a case] Szabó J, et al. **Fogorv Sz** 1981 Jul;74(7):205–7 (Eng. Abstr.) (Hun)

COMPLICATIONS

The question of hypertelorism in oculodentoosseous dysplasia [letter] Fará M, et al. **Am J Med Genet** 1981;10(1):101–2
[Orthodontic treatment for malocclusion with birth defect (author's transl)] Kuroda T. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):311–20 (Jpn)
[Tricho–oculo–dentomandibular progeroid syndrome] Hernández A, et al. **Bol Med Hosp Infant Mex** 1982 Jan; 39(1):41–3 (Eng. Abstr.) (Spa)

DIAGNOSIS

Fusion and gemination in one dental arch: report of case. Croll TP, et al. **ASDC J Dent Child** 1981 Jul–Aug; 48(4):297–9
[Dens invaginatus] De Smit A. **Rev Belge Med Dent** 1981 Nov;36(6):277–85 (Eng. Abstr.) (Fre)

ETIOLOGY

Osteomatous changes and tooth abnormalities found in the jaw of patients with adenomatosis coli. Ida M, et al. **Oral Surg** 1981 Jul;52(1):2–11
Defects of tooth structure in congenital cytomegalovirus infection. Stagno S, et al. **Pediatrics** 1982 May;69(5):646–8
[Odonto-stomatological evaluation in a case of pycnodysostosis] Ajacques JC, et al. **Actual Odontostomatol (Paris)** 1981;(135):463–71 (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Incontinentia pigmenti with dental anomalies: a three-generation study. Bjellerup M. **Acta Derm Venereol (Stockh)** 1982;62(3):262–4
The conditions manifesting taurodontism. Jorgenson RJ. **Am J Med Genet** 1982 Apr;11(4):435–42
Hamartomatous dental cusps in hypomelanosis of Ito. Happle R, et al. **Clin Genet** 1982 Jan;21(1):65–8
Familial osteodysplasia. Schendel SA, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):335–43
18p – syndrome with a single central maxillary incisor. Dolan LM, et al. **J Med Genet** 1981 Oct;18(5):396–8
[A case of taurodontism associated with Klinefelter's syndrome] Borrot J, et al. **Actual Odontostomatol (Paris)** 1981;(135):473–9 (Eng. Abstr.) (Fre)

OCCURRENCE

Root fusion in molars: incidence and sex linkage. Ross IF, et al. **J Periodontol** 1981 Nov;52(11):663–7

PATHOLOGY

Dens in dente: report of case. Cudzinowski L. **ASDC J Dent Child** 1982 Mar–Apr;49(2):139–41
A radicular dens invaginatus. Soames JV, et al. **Br Dent J** 1982 May 4;152(9):308–9
Hypohidrotic ectodermal dysplasia: a unique approach to esthetic and prosthetic management. Goepferd SJ, et al. **J Am Dent Assoc** 1981 Jun;102(6):867–9
Premolars with double occlusal surfaces. Speiser AM, et al. **J Am Dent Assoc** 1981 Oct;103(4):600–1
Fluctuating asymmetry in the deciduous dentition of Australian Aboriginals. Townsend GC. **J Dent Res** 1981 Nov;60(11):1849–57
Analysis of the dentition and orofacial skeleton in Seckel's bird-headed dwarfism. Tsuchiya H, et al. **J Maxillofac Surg** 1981 Aug;9(3):170–5
The orofacial structures and their association with congenital abnormalities. Stewart RE, et al. **Pediatr Clin North Am** 1982 Jun;29(3):547–84 (26 ref.)
[Neo-natal teeth or pre-milk teeth?] Arys A, et al. **Acta Stomatol Belg** 1981;78(3):175–80 (Fre)
[Oculo-dento-osseous dysplasia] Moreau PG, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):683–6 (Eng. Abstr.) (Fre)
[Hereditary oculodentodigital syndrome] Bochkova DN, et al. **Klin Med (Mosk)** 1981 Oct;59(10):102–3 (Rus)

PREVENTION & CONTROL

Exception to conclusions on anomalies [letter] Mayhall JT, et al. **ASDC J Dent Child** 1981 Jul–Aug;48(4):304–5, 313–4

RADIOGRAPHY

Complete fusion. Krier PW. **Oral Surg** 1981 Jul;52(1):109
Incomplete dens in dente in a fused tooth. Mader CL, et al. **Oral Surg** 1982 Apr;53(4):439
[Difficulties in the differentiation between tooth gemination and fusion apropos of a case] Szabó J, et al. **Fogorv Sz** 1981 Jul;74(7):205–7 (Eng. Abstr.) (Hun)

SURGERY

Surgical correction of an unerupted tooth. Latta JR. **J Am Dent Assoc** 1982 May;104(5):639–40
[Surgical orthodontics of teeth (author's transl)] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):12–4 (Chi)
[Orthodontic treatment of fused and invaginated teeth] Karikás I. **Fogorv Sz** 1981 Oct;74(10):295–7 (Hun)

THERAPY

Fused teeth: a multidisciplinary approach to treatment. Delany GM, et al. **J Am Dent Assoc** 1981 Nov;103(5):732–4
[Orthodontic treatment of crowded teeth—treatment by extraction of teeth (author's transl)] Zhou XK. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):129–33 (Chi)
[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131–7 (Ita)
[Orthodontic treatment of children with unilateral cleft of the lip, alveolar process and palate] Anikienko AA, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct;60(5):76–7 (Eng. Abstr.) (Rus)
[Orthodontic treatment characteristics in 'fused' teeth] Krishtab SI, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr; (2):47–9 (Eng. Abstr.) (Rus)

VETERINARY

[Polyodontia and abnormal forms of teeth in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):451–7 (Eng. Abstr.) (Dut)

TOOTH ABRASION

COMPLICATIONS

Dental attrition and degenerative arthritis of the temporomandibular joint. Richards LC, et al. **J Oral Rehabil** 1981 Jun;8(4):293–307

DIAGNOSIS

[Ground occlusal facets and the pathological findings in the masticatory system of young patients] Holste T, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):173–5 (Eng. Abstr.) (Ger)
[Roughness studies of vestibular and lingual tooth surfaces] Mierau HD, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):176–80 (Eng. Abstr.) (Ger)

ETIOLOGY

The rate of cervical abrasion in dental students. Nordbø H, et al. **Acta Odontol Scand** 1982;40(1):45–7
Are the days of toothpaste numbered? [letter] Cowell CR. **Br Dent J** 1982 Mar;152(5):151

HISTORY

Tooth attrition and continuing eruption in a Romano-British population. Whittaker DK, et al. **Arch Oral Biol** 1982; 27(5):405–9

METABOLISM

Intraoral mineralization of abraded dental enamel. Brudevold F, et al. **J Dent Res** 1982 Mar;61(3):456–9

OCCURRENCE

Relation of attrition and mobility of the teeth to periodontal conditions in adult females. Lahdenpää R. **Proc Finn Dent Soc** 1981;77 Suppl 1–3:1–52

PATHOLOGY

The relationship among the permeability to iodide, pore volume, and intraoral mineralization of abraded enamel. Brudevold F, et al. **J Dent Res** 1982 May;61(5):645–8

THERAPY

The masticatory cycle in relation to occlusal wear and its treatment. Russell MD. **J Dent** 1982 Mar;10(1):69–77

TOOTH APEX see **TOOTH ROOT**

TOOTH, ARTIFICIAL

see related
ACRYLIC RESINS
DENTAL PORCELAIN

Custom metal occlusal surfaces for acrylic resin denture teeth. Schneider RL. **J Prosthet Dent** 1981 Jul;46(1):98–101
Postsurgical stabilization of multiple alveolar-tooth segments. Schmidt WH, et al. **Milit Med** 1981 Aug;146(8):577–9
[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131–7 (Ita)

STANDARDS

An analysis of stresses in a dental implant system. Lavernia CJ, et al. **J Biomech** 1981;14(8):555–60

[Improvement in the strength and esthetic features of plastic teeth] Osyka EI, et al. **Stomatologiia (Mosk)** 1981;60(4):50–1 (Eng. Abstr.) **(Rus)**

TOOTH BLEACHING

[Bleaching of root filled teeth] Grevstad T. **Nor Tannlaegeforen Tid** 1981 Dec;91(15):527–31 **(Nor)**

METHODS

Simplified bleaching of discolored pulpless teeth. Lemieux JJ, et al. **Can Dent Assoc J** 1981 Nov;47(11):729–31

Bleaching the discolored dentition. Bloom B. **NY State Dent J** 1981 Nov;47(9):535, 537

TOOTH CALCIFICATION

Alternating demineralization and remineralization of artificial enamel lesions. ten Cate JM, et al. **Caries Res** 1982; 16(3):201–10

DRUG EFFECTS

Remineralization of artificial caries-like lesions in vivo by a self-administered mouthrinse or paste. Featherstone JD, et al. **Caries Res** 1982;16(3):235–42

The mineralization of enamel surfaces. A constant composition kinetics study. Amjad Z, et al. **J Dent Res** 1981 Oct;60(10):1783–92

The kinetics of mineralization of human dentin in vitro. Koutsoukos PG, et al. **J Dent Res** 1981 Dec;60(12):1922–8

The effect of fluoride in the remineralization of enamel caries and caries-like lesions in vitro. Silverstone LM. **J Public Health Dent** 1982 Winter;42(1):42–53

[Remineralizing therapy of initial caries and the intravital solubility of dental enamel] Leont'ev VK, et al. **Stomatologila (Mosk)** 1981 Sep-Oct;60(5):23–6 (Eng. Abstr.) **(Rus)**

TOOTH, DECIDUOUS

see related DENTITION

Dental caries in the deciduous teeth of the children from Gulbarga, Karnataka. Reddy VR. **Acta Anthropogenet** 1980;4(3–4):201–38

Occlusal interferences in the primary dentition. Kisling E. **ASDC J Dent Child** 1981 May-Jun;48(3):181–91

Infraocclusion of primary molars: an epidemiologic and familial study. Kurol J. **Community Dent Oral Epidemiol** 1981 Apr;9(2):94–102

Advanced alveolar bone loss in the primary dentition. A case report. Goepferd SJ. **J Periodontol** 1981 Dec;52(12):753–7

Occlusal changes in the deciduous dentition of a series of Finnish children. Nyström M. **Proc Finn Dent Soc** 1981; 77(5):288–95

[Natal and neonatal teeth] Jeřábková N, et al. **Cesk Pediatr** 1981 Aug;36(8):460–3 (Eng. Abstr.) **(Cze)**

[Caries and orthodontic problems at the age of 6 in our region] Limme M, et al. **Rev Belge Med Dent** 1982 Jan; 37(1):20–3 **(Fre)**

[Absorbency of root canal filling materials in deciduous teeth] Tanaka M. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):248 **(Jpn)**

[Effect of chronic periapical inflammatory processes of milk teeth on the blood] Janicha J. **Pediatr Pol** 1981 Nov-Dec; 56(11–12):1331–8 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Supernumerary and congenitally missing primary teeth in Finnish children. An epidemiologic study. Järvinen S, et al. **Acta Odontol Scand** 1981;39(2):83–6

Birooted bilateral maxillary primary canines. Bimstein E, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):217–8

Three-rooted mandibular first primary molar. Badger GR. **Oral Surg** 1982 May;53(5):547

ANALYSIS

Ion probe analysis of discolored areas in the enamel of deciduous teeth. Norén JG, et al. **Acta Odontol Scand** 1981; 39(2):97–100

ANATOMY & HISTOLOGY

A paraffin-celloidin embedding method for studying soft-hard tissue interfaces. Linder JE, et al. **Arch Oral Biol** 1981;26(9):753–5

The effect on space conditions of unilateral grinding of carious proximal surfaces of primary molars--a longitudinal study. Ingers G, et al. **ASDC J Dent Child** 1982 Jan-Feb; 49(1):30–4

Mesiodistal tooth size in the deciduous and permanent dentitions. Lysell L, et al. **Eur J Orthod** 1982 May; 4(2):113–22

BLOOD SUPPLY

[Structural organization of the microcirculatory bed of the primordia of human deciduous teeth] Varshavskiĭ AI, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):38–47 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

['Sweet tea caries': a new form of deciduous tooth caries in small children] Wetzel WE. **Dtsch Zahnarztl Z** 1981 May;36(5):330–2 (Eng. Abstr.) **(Ger)**

[Deciduous tooth eruption and fluorosis in the case of increased fluorine content in the drinking water] Krylov SS, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb;61(1):75–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Development of deciduous and permanent dentition in Tarsius and its phylogenetic significance. Luckett WP, et al. **Folia Primatol (Basel)** 1982;37(1–2):1–36 (58 ref.)

GROWTH & DEVELOPMENT

Chemical changes during formation and maturation of human deciduous enamel. Robinson C, et al. **Arch Oral Biol** 1981; 26(12):1027–33

[Emergence of primary teeth in French-Canadian children] Lauzier C, et al. **Union Med Can** 1981 Dec;110(12):1061–4 (Eng. Abstr.) **(Fre)**

INJURIES

Injury to the primary dentition. Levine N. **Dent Clin North Am** 1982 Jul;26(3):461–80

[Anterior bridges on deciduous teeth] Fortier JP, et al. **Actual Odontostomatol (Paris)** 1981;(135):391–402 (Eng. Abstr.) **(Fre)**

METABOLISM

Kinetics of fluorine in deciduous enamel after application of fluoride-containing varnish (Duraphat). Koch G, et al. **Swed Dent J** 1982;6(1):39–44

PATHOLOGY

Caries prevalence and therapy in the deciduous dentition from 3 to 8 years. A longitudinal study. Varpio M. **Acta Odontol Scand** 1981;39(5):307–12

Early onset of primary molar ankylosis: report of a case. Adams TW, et al. **ASDC J Dent Child** 1981 Nov-Dec; 48(6):447–9

Chronic vomiting and the effect on the primary dentition: report of case. Gallo LG, et al. **ASDC J Dent Child** 1981 Sep-Oct;48(5):382–4

Restored, totally submerged deciduous molar. Case report. Allsopp P, et al. **Aust Dent J** 1982 Feb;27(1):27–9

Caries progression in primary molars: 24-month results from a minimal treatment programme. Craig GG, et al. **Community Dent Oral Epidemiol** 1981 Dec;9(6):260–5

Caries increment in primary teeth after application of Duraphat fluoride varnish. Grodzka K, et al. **Community Dent Oral Epidemiol** 1982 Apr;10(2):55–9

Caries in primary dentition and social class in high and low fluoride areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):33–6

Caries in pulmonary dentition related to age, sex, social status, and county of residence in Finland. Milen A, et al. **Community Dent Oral Epidemiol** 1981 Apr;9(2):83–6

Fluctuating asymmetry in the deciduous dentition of Australian Aboriginals. Townsend GC. **J Dent Res** 1981 Nov;60(11):1849–57

PHYSIOLOGY

Emergence of primary teeth and onset of dental stages in Icelandic children. Magnússon TE. **Community Dent Oral Epidemiol** 1982 Apr;10(2):91–7

Comparison of typical chewing patterns in normal children and adults. Gibbs CH, et al. **J Am Dent Assoc** 1982 Jul; 105(1):33–42

The probability of primary tooth exfoliation: a reference source for programs that treat children during their mixed dentition. Leske GS, et al. **J Public Health Dent** 1981 Fall; 41(4):236–43

Occlusal changes in the deciduous dentition of a series of Finnish children. Nyström M. **Proc Finn Dent Soc** 1981; 77(5):288–95

[Endodontics of temporary teeth] Demars C, et al. **Actual Odontostomatol (Paris)** 1981;(134):213–24 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Prolonged retention of multiple primary teeth. Dayal PK, et al. **ASDC J Dent Child** 1982 Mar-Apr;49(2):145–6

Managing cases of overretention of mandibular primary incisors where their permanent successors erupt lingually. Gellin ME, et al. **ASDC J Dent Child** 1982 Mar-Apr; 49(2):118–22

RADIATION EFFECTS

[EPR study of bovine enamel samples from the milk and permanent teeth. normal and fluoridated and X- and beta-ray irradiated: Part 2] Azzoni CB, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):5–9 **(Fre)**

RADIOGRAPHY

Formocresol pulpotomy in primary molars: a long-term radiographic evaluation. Boeve C, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):191–6

Retained second deciduous molar roots. Deane CE Jr. **Oral Surg** 1982 Mar;53(3):326

SURGERY

The case against early extraction of mandibular primary canines. Atkinson CD. **J Am Dent Assoc** 1982 Mar; 104(3):302–4

[Has pulpotomy in deciduous teeth any indication today? (author's transl)] Sobkowiak EM, et al. **Zahn Mund Kieferheilkd** 1982;70(2):126–36 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Scanning electron microscopy of the resorption process in human deciduous teeth. Kukletová M, et al. **Folia Morphol (Praha)** 1981;29(3):284–5

TOOTH DISCOLORATION

CHEMICALLY INDUCED

Disruption of family unity from an adverse reaction to tetracycline. Nottebart HC Jr. **Infect Control** 1981 Sep-Oct; 2(5):391–2

The effect of single morning and evening rinses of chlorhexidine on the development of tooth staining and plaque accumulation. A blind cross-over trial. Addy M, et al. **J Clin Periodontol** 1982 Mar;9(2):134–40

The use of the beagle dog as a dental stain model. Schemehorn BR, et al. **J Dent Res** 1982 Aug;61(8):1028–30

Extrinsic dental stain caused by stannous fluoride. Ellingsen JE, et al. **Scand J Dent Res** 1982 Feb;90(1):9–13

Iron staining of the acquired enamel pellicle after exposure to tannic acid or chlorhexidine: preliminary report. Nordbö H, et al. **Scand J Dent Res** 1982 Apr;90(2):117–23

[Effects of tetracycline on the children teeth (author's transl)] **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):206–8 **(Chi)**

ETIOLOGY

The dentition in the osteogenesis imperfecta syndromes. Levin LS. **Clin Orthop** 1981 Sep;(159):64–74

Comparison of the bisbiguanide antiseptics alexidine and chlorhexidine. II. Clinical and in vitro staining properties. Addy M, et al. **J Clin Periodontol** 1981 Jun;8(3):220–30

Staining calcified dental tissues with food. Chan KC, et al. **J Prosthet Dent** 1981 Aug;46(2):175–8

Changes in dental development in paediatric patients with chronic kidney disease. Bublitz A, et al. **Proc Eur Dial Transplant Assoc** 1981;18:517–23

Smoke stain accumulation on restorative dental materials and hard tooth tissues after polishing with prophylaxis pastes. Roulet-Mehrens T, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 May; 92(5):487–96

METABOLISM

Ion probe analysis of discolored areas in the enamel of deciduous teeth. Norén JG, et al. **Acta Odontol Scand** 1981; 39(2):97–100

THERAPY

Simplified bleaching of discolored pulpless teeth. Lemieux JJ, et al. **Can Dent Assoc J** 1981 Nov;47(11):729–31

Esthetic restoration of tetracycline-stained teeth. Black JB. **J Am Dent Assoc** 1982 Jun;104(6):846–52

Bleaching the discolored dentition. Bloom B. **NY State Dent J** 1981 Nov;47(9):535, 537

[Bleaching of root filled teeth] Grevstad T. **Nor Tannlaegeforen Tid** 1981 Dec;91(15):527–31 **(Nor)**

VETERINARY

[Caries, enamel hypoplasia, and dental discolouration in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):457–62 (Eng. Abstr.) **(Dut)**

TOOTH DISEASES

see related MOUTH REHABILITATION

Divisional Abstracts, supported by the International College of Dentists. **J Dent Res** 1982 Apr;61(4):523–620

Symposium on oral health. **Pediatr Clin North Am** 1982 Jun; 29(3):427–773

[Opinions and knowledge of population groups on matters of stomatological relevance] Schoenrok G. **Z Gesamte Hyg** 1981;27(5):399–402 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[An investigation report on a study of the oral cavity in workers of acid-producing factories (author's transl)] Feng YZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):32–5 **(Chi)**

COMPLICATIONS

Experimental tooth ankylosis and horizontal tooth movement in the pig. Yilmaz RS, et al. **Arch Oral Biol** 1981;26(1):41–7
Computed tomography in the management of orbital infections associated with dental disease. Flood TP, et al. **Br J Ophthalmol** 1982 Apr;66(4):269–74
Cutaneous lesions resulting from sinuses of dental origin. McCarthy PL. **J Dermatol Surg Oncol** 1981 Dec; 7(12):981–4
Aetiological aspects of lung abscess. Kharkar RA, et al. **J Postgrad Med** 1981 Jul;27(3):163–6
The interaction between dentistry and otolaryngology. Nazif MM, et al. **Pediatr Clin North Am** 1981 Nov;28(4):997–1010
Subdural abscess secondary to covert dental sepsis. Sprott MS, et al. **Postgrad Med J** 1981 Oct;57(672):649–51
[Gas gangrene of dental origin. Report on four cases (author's transl)] Baron D, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(6):366–71 (Eng. Abstr.) **(Fre)**
[Diseases of the ear, nose and throat caused by dental disorders (author's transl)] Niho M. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):40–6 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Pathology in the lower half of the functional face – its significance in clinical medicine. Eidelman D. **Med Hypotheses** 1982 Feb;8(2):149–54
Pain: a poor parameter of evaluation in dentistry. Taintor JF, et al. **Oral Surg** 1981 Sep;52(3):299–303 (45 ref.)
NMR: dental imaging without x-rays? van Luijk JA. **Oral Surg** 1981 Sep;52(3):321–4

DRUG THERAPY

[Initial evaluations of the use of cefadroxil in ondontogenic infections] Re G, et al. **Minerva Stomatol** 1981 Nov–Dec; 30(6):629–32 **(Ita)**

ETIOLOGY

Dental disease in chronically sick children. Roberts GJ, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):346–51
Assessing dental health problems of children with developmental disabilities. Entwistle BA, et al. **JDBP** 1981 Sep;2(3):115–21
Dental problems in pediatric patients with head and neck tumors undergoing multiple modality therapy. Hazra TA, et al. **Med Pediatr Oncol** 1982;10(1):91–5
Oral habits: considerations in management. Schneider PE, et al. **Pediatr Clin North Am** 1982 Jun;29(3):523–46 (146 ref.)
[Dental changes in diabetics] Vétek J, et al. **Fogorv Sz** 1982 Feb;75(2):45–51 (Eng. Abstr.) **(Hun)**

FAMILIAL & GENETIC

Interstitial deletion 4q and Rieger syndrome. Ligutić I, et al. **Clin Genet** 1981 Nov;20(5):323–7

HISTORY

The investigation of dental disease in exhumed remains. Corbett ME, et al. **J Dent** 1981 Dec;9(4):302–10

METABOLISM

Comparative studies on a heat-stable cholesterol-binding protein in dental cyst fluid and serum. Higuchi K, et al. **Int J Biochem** 1981;13(7):777–82
[Calcium, phosphorus and fluorine content of the surface layer of the enamel in caries and similar dental lesions] Borovskii EV, et al. **Stomatologiia (Mosk)** 1982 May–Jun; 61(3):32–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Odontogenic infections. Piecuch JE. **Dent Clin North Am** 1982 Jan;26(1):129–45 (31 ref.)
The bacteriology of dentogenous pyogenic infections. Aderhold L, et al. **Oral Surg** 1981 Dec;52(6):583–7
Actinobacillus actinomycetemcomitans infection in the oral cavity. Peel MM, et al. **Oral Surg** 1981 Dec;52(6):591–3

OCCURRENCE

Oral health of children in southern Sudan. Dowty AM. **Community Dent Oral Epidemiol** 1982 Apr;10(2):82–5
Changes in the prevalence of dental disease. Bureau of Economic and Behavioral Research, Council on Dental Health and Health Planning. Liss J, et al. **J Am Dent Assoc** 1982 Jul;105(1):75–9 (37 ref.)

PATHOLOGY

Common oral and dental emergencies and problems. Abrams RG, et al. **Pediatr Clin North Am** 1982 Jun;29(3):681–715 (39 ref.)
[Tooth status in the hypoparathyroidism–Addison's disease—moniliasis syndrome] Schmid-Meier E. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):409–17 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

MFP versus stannous fluoride mouthrinses for prevention of decalcification in orthodontic patients. Dyer JR, et al. **ASDC J Dent Child** 1982 Jan–Feb;49(1):19–21
Preventive dental health in adolescents: short and long term pupil response to trials of an integrated curriculum package. Craft M, et al. **Community Dent Oral Epidemiol** 1981 Oct; 9(5):199–206
Longitudinal evaluation of a preventive program provided by general dental practitioners to young adult Danes. Schwarz E. **Community Dent Oral Epidemiol** 1981 Dec; 9(6):280–4
Systematic dental management in head and neck irradiation. Horiot JC, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug; 7(8):1025–9
Preventive dental behavior in families: a national survey. Chen MS, et al. **J Am Dent Assoc** 1982 Jul;105(1):43–6
Error and accuracy rates of panoramic radiography as a screening method for mass surveying of children. Balis S. **J Public Health Dent** 1981 Fall;41(4):220–34
The need for dental health screening and referral programs. Rebich T Jr, et al. **J Sch Health** 1982 Jan;52(1):50–3
Children's dental health: overview for the physician. Miller RE, et al. **Pediatr Clin North Am** 1982 Jun;29(3):429–38 (73 ref.)
The role of health education in the prevention of dental disease. Hodge HC. **R Soc Health J** 1981 Oct;101(5):206–9
[How to explain the destruction of dental and periodontal tissue to the layman] Marthaler TM. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:734–7 **(Fre)**
[Prevention of acidic necrosis of the teeth and parodontal lesions during aluminum production] Karagezian TA. **Gig Tr Prof Zabol** 1982 Mar;(3):43–4 **(Rus)**

PSYCHOLOGY

The psychosocial impact of dental diseases on individuals and communities. Sheiham A, et al. **J Behav Med** 1981 Sep;4(3):257–72 (0 ref.)
Age differences in oral health attitudes and dental service utilization. Kiyak HA, et al. **J Public Health Dent** 1982 Winter;42(1):29–41
[Attitude of the practitioner faced with a patient presenting with a orodental psychosomatic disorder] Ruel-Kellermann M. **Rev Odontostomatol (Paris)** 1981 May–Jun;10(3):265–9 **(Fre)**

RADIOGRAPHY

[Dental lesions and cranio-facial pathology] Cavezian R, et al. **Actual Odontostomatol (Paris)** 1981;(134):225–36 (Eng. Abstr.) **(Fre)**

THERAPY

Dental management of a patient with histiocytosis X. Valencia RM, et al. **ASDC J Dent Child** 1981 Jul–Aug; 48(4):294–6
The effect of six-monthly visits to the dentist on dental treatment needs. Swallow JN, et al. **J Dent** 1981 Sep; 9(3):254–9
First aid procedures for dental emergencies. Barsky NH, et al. **J Sch Health** 1982 Jan;52(1):43–5
[Dentistry during the last 50 years] Dechaume M. **Rev Stomatol Chir Maxillofac** 1982;83(1):64–7 (Eng. Abstr.) **(Fre)**

VETERINARY

Small animal dentistry. Lane G. **In Pract** 1981 Mar;3(2):23–30
Dental and periodontal alterations in aging Han:WIST rats. Bössmann K, et al. **Z Versuchstierkd** 1981;23(6):305–11
[Delayed dentition of an Indian elephant causing obstipation and colic (author's transl)] Schaller K. **DTW** 1981 Oct 5; 88(10):439–40 (Eng. Abstr.) **(Ger)**

TOOTH EROSION

ETIOLOGY

Chronic vomiting and the effect on the primary dentition: report of case. Gallo LG, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):382–4
Dental erosion due to anorexia nervosa with bulimia. Andrews FF. **Br Dent J** 1982 Feb 2;152(3):89–90
Erosion affecting the palatal surfaces of upper anterior teeth in young people. A report of 19 cases. Eccles JD. **Br Dent J** 1982 Jun 1;152(11):375–8
Dental erosion due to anorexia nervosa with bulimia [letter] Smith BG, et al. **Br Dent J** 1982 Mar 16;152(6):187
Erosion: a case caused by unusual diet. Mueninghoff LA, et al. **J Am Dent Assoc** 1982 Jan;104(1):51–2
Anorexia nervosa: review including oral and dental manifestations. Stege P, et al. **J Am Dent Assoc** 1982 May; 104(5):648–52

TOOTH ERUPTION

Dental emergence stages and the pubertal growth spurt. Hägg U, et al. **Acta Odontol Scand** 1981;39(5):295–306
Teething age in prematurely born infants. Golden NL, et al. **Am J Dis Child** 1981 Oct;135(10):903–4
A radiographic study of dental eruption. Feasby WH. **Am J Orthod** 1981 Nov;80(5):554–60
Epiphyseal union and dental eruption Macaca mulatta. Cheverud JM. **Am J Phys Anthropol** 1981 Oct;56(2):157–67
Ages of eruption of the permanent teeth in Kenyan African and asian children. Hassanali J, et al. **Ann Hum Biol** 1981 Sep–Oct;8(5):425–34
Estimation of calendar age from eruption times of permanent teeth in Kenyan Africans and Asians. Hassanali J, et al. **Ann Hum Biol** 1982 Mar–Apr;9(2):175–7
The effect of applied forces on the eruption of rat maxillary incisors. Burn-Murdoch RA. **Arch Oral Biol** 1981; 26(11):939–43
Evidence that the response to applied forces of continuously erupting rat incisors contains more than one component. Burn-Murdoch RA. **Arch Oral Biol** 1981;26(12):989–93
Eruption time of permanent teeth in Iraqi school children. Ghose LJ, et al. **Arch Oral Biol** 1981;26(1):13–5
The effects of section and stimulation of the cervical sympathetic trunk on eruption of the rabbit mandibular incisor. Moxham BJ. **Arch Oral Biol** 1981;26(11):887–91
The influence of calibrated loads upon the rate of eruption of mandibular rat incisors. Steigman S, et al. **Arch Oral Biol** 1981;26(4):327–31
Tooth attrition and continuing eruption in a Romano-British population. Whittaker DK, et al. **Arch Oral Biol** 1982; 27(5):405–9
Changes in the composition of the enamel of human premolar teeth shortly after eruption. Wöltgens JH, et al. **Arch Oral Biol** 1981;26(9):717–9
Forced eruption: the treatment of choice of subgingivally fractured permanent incisors. Bielak S, et al. **ASDC J Dent Child** 1982 May–Jun;49(3):186–90
Restored, totally submerged deciduous molar. Case report. Allsopp P, et al. **Aust Dent J** 1982 Feb;27(1):27–9
Presurgical recovery of palatally impacted canines. Easthope DW. **Aust Dent J** 1982 Apr;27(2):94–7
Teething, an unusual response. A case of gingivitis artefacta minor in an infant. Stewart DJ. **Br Dent J** 1982 Feb 2; 152(3):93–4
A preliminary study of posteruptive maturation of teeth in situ. Brudevold F, et al. **Caries Res** 1982;16(3):243–8
Canine eruption into grafted bone in maxillary alveolar cleft defects. El Deeb M, et al. **Cleft Palate J** 1982 Jan;19(1):9–16
Eruption time of primary teeth in Iraqi children. Baghdady VS, et al. **Community Dent Oral Epidemiol** 1981 Oct; 9(5):245–6
Timing of permanent tooth emergence in a Southeastern Dominican schoolchildren population sample. García-Godoy F, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):43–6
Emergence of primary teeth and onset of dental stages in Icelandic children. Magnússon TE. **Community Dent Oral Epidemiol** 1982 Apr;10(2):91–7
The control mechanism of tooth eruption. An experimental study in adult monkeys. Slagsvold O, et al. **Eur J Orthod** 1981;3(4):263–71
Tooth eruption in the bone-grafted maxillary cleft alveolus. Sullivan KO. **Int J Oral Surg** 1981;10(Suppl 1):309–12
Eruption of impacted permanent upper incisors after removal of of supernumerary teeth. Witsenburg B, et al. **Int J Oral Surg** 1981 Dec;10(6):423–31
Gingival changes in the baboon (Papio anubis) during the period of permanent tooth eruption. Tagger E, et al. **Isr J Dent Med** 1981 Sep;29(1–2):39–44
Metabolic turnover of collagen in the mouse molar periodontal ligament during tooth eruption. Perera KA, et al. **J Anat** 1981 Oct;133(Pt 3):359–70
Fibroblast cell population kinetics in the mouse molar periodontal ligament and tooth eruption. Perera KA, et al. **J Anat** 1981 Sep;133(Pt 2):281–300
Sexual dimorphism in the development, emergence, and agenesis of the mandibular third molar. Levesque GY, et al. **J Dent Res** 1981 Oct;60(10):1735–41
Chronology and histology of exfoliation and eruption of mandibular premolars in dogs. Cahill DR, et al. **J Morphol** 1982 Feb;171(2):213–8
Localized damage to the periodontal ligament and its effect on the eruptive process of the rat incisor. Michaeli Y, et al. **J Periodont Res** 1982 May;17(3):300–8
Forced eruption in restoring severely fractured teeth using removable orthodontic appliances. Mandel RC, et al. **J Prosthet Dent** 1982 Mar;47(3):269–74
Forced eruption: principles in periodontics and restorative dentistry. Potashnick SR, et al. **J Prosthet Dent** 1982 Aug; 48(2):141–8
Tooth eruption depends on bone resorption: experimental evidence from osteopetrotic (ia) rats. Marks SC Jr. **Metab Bone Dis Relat Res** 1981;3(2):107–15
Effect of position of wisdom teeth on the visible plaque index and gingival bleeding index. Ylipaavalniemi P, et al. **Proc Finn Dent Soc** 1982;78(1):47–9
Use of second molar eruption in age estimation of cattle. Andrews AH. **Res Vet Sci** 1981 Jul;31(1):65–8
Eruption of maxillary canines. Olow-Nordenram M, et al. **Scand J Dent Res** 1982 Feb;90(1):1–8
[Emergence of primary teeth in French-Canadian children] Lauzier C, et al. **Union Med Can** 1981 Dec;110(12):1061–4 (Eng. Abstr.) **(Fre)**
[Fermentable carbohydrates in teething preparations as a cause of caries in small children] Guggenheim B, et al. **Schweiz Med Wochenschr** 1982 Feb 13;112(7):232–4 (Eng. Abstr.) **(Ger)**
[Sex differences in the physical development of children: skeleton and tooth maturation as indicators of sex-typical growth processes] Degenhardt A. **Z Morphol Anthropol** 1981;72(3):247–66 (Eng. Abstr.) **(Ger)**

[A method of the morphometry of gingival dental changes during tooth eruption (author's transl)] Hetzer G, et al. **Zahn Mund Kieferheilkd** 1981;69(7):565–70 **(Ger)**

[Early eruption of the first molar] Yonemitsu M. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):250 **(Jpn)**

[The time of eruption of permanent lateral teeth in females (author's transl)] Gorčuloska N, et al. **God Zb Med Fak Skopje** 1979 Jan;25:527–33 (Eng. Abstr.) **(Mac)**

DRUG EFFECTS

The effects of cyclophosphamide on eruption of the continuously growing mandibular incisor of the rat. Adatia AK, et al. **Arch Oral Biol** 1981;26(7):607–13

Effects of adrenocorticoids on impeded and unimpeded eruption rates and on the mechanical properties of the periodontium in the rat mandibular incisor. Chiba M, et al. **Arch Oral Biol** 1981;26(7):577–83

Passive delayed eruption of the primary dentition secondary to Dilantin administration. Report of a case. Reich DR, et al. **Oral Surg** 1981 Dec;52(6):599–601

[A teething agent as the cause of severe dental caries in small children] Guggenheim B, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Jan;92(1):41 **(Ger)**

[Deciduous tooth eruption and fluorosis in the case of increased fluorine content in the drinking water] Krylov SS, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):75–7 (Eng. Abstr.) **(Rus)**

TOOTH ERUPTION, ECTOPIC

DIAGNOSIS

A case of an intranasal canine tooth. Johnson AP. **J Laryngol Otol** 1981 Dec;95(12):1277–9

ETIOLOGY

[Unusual eruption of deciduous teeth caused by cheilo–gnatho–palatoschisis] Kovács L, et al. **Fogorv Sz** 1981 Nov;74(11):345–6 **(Hun)**

FAMILIAL & GENETIC

Ectopic eruption of maxillary first permanent molars: familial tendencies. Kurol J, et al. **ASDC J Dent Child** 1982 Jan–Feb;49(1):35–8

PATHOLOGY

Ectopic soft-tissue mesiodens. Diekmann SL, et al. **Oral Surg** 1982 Apr;53(4):391–4

THERAPY

Managing cases of overretention of mandibular primary incisors where their permanent successors erupt lingually. Gellin ME, et al. **ASDC J Dent Child** 1982 Mar–Apr; 49(2):118–22

TOOTH EXFOLIATION

Chronology and histology of exfoliation and eruption of mandibular premolars in dogs. Cahill DR, et al. **J Morphol** 1982 Feb;171(2):213–8

FAMILIAL & GENETIC

Familial mandibuloacral dysplasia. Zina AM, et al. **Br J Dermatol** 1981 Dec;105(6):719–23

PHYSIOPATHOLOGY

The probability of primary tooth exfoliation: a reference source for programs that treat children during their mixed dentition. Leske GS, et al. **J Public Health Dent** 1981 Fall; 41(4):236–43

TOOTH EXTRACTION

A case of Ludwig's angina following tooth extraction. Yeo JF, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):118–21

Intracellular desmosome-like structures in differentiating wound epithelium of the healing tooth socket in the rat. McMillan MD. **Arch Oral Biol** 1981;26(3):259–61

Beta-adrenoceptor blockade in stress due to oral surgery. Brisse B, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):421S–427S

Plasma cells and their immunoglobulins in the normal and delayed healing of the extraction wound in man. Syrjänen SM, et al. **Br J Oral Surg** 1980 Sep;18(2):100–6

The use of the activator to achieve molar correction and accelerate lower premolar extraction space closure. Stephens CD. **Br J Orthod** 1982 Jul;9(3):146–8

Dental health in patients susceptible to infective endocarditis [letter] Fleming HA, et al. **Br Med J [Clin Res]** 1981 Dec 5;283(6305):1546

Dental health in patients susceptible to infective endocarditis [letter] Shaw TR, et al. **Br Med J [Clin Res]** 1982 Jan 30; 284(6312):347–8

Post-operative pain: effect of extent of injury and attention. Levine JD, et al. **Brain Res** 1982 Feb 25;234(2):500–4

Analgesic effect of fentiazac after tooth extraction or minor oral surgery. Shimura K, et al. **Clin Ther** 1981;4(1):12–7

Preliminary investigation of the relationship between population DMFT scores and mix of restorative and exodontic needs. Spencer AJ. **Community Dent Oral Epidemiol** 1981 Oct;9(5):215–8

Fibrinolytic activity of blood and saliva before and after oral surgery. Gersel–Pedersen N. **Int J Oral Surg** 1981;10(Suppl 1):114–21

The importance of local hemostatic procedures in dental extractions and oral mucosal bleeding of hemophiliac patients. Kaneda T, et al. **Int J Oral Surg** 1981 Aug; 10(4):266–71

Tooth extractions and aortitis syndrome (Takayasu's disease). Yoshimura Y. **Int J Oral Surg** 1981 Feb;10(1):1–11

Dental extractions during anticoagulant therapy. Anavi Y, et al. **Isr J Dent Med** 1981 Feb;28(4):9–12

Postexodontia osseous repair involving the mandibular canal. Boyne PJ. **J Oral Maxillofac Surg** 1982 Feb;40(2):69–73

The osteogenic activity of bone removed from healing extraction sockets in humans. Evian CI, et al. **J Periodontol** 1982 Feb;53(2):81–5

Sense about wisdoms? [editorial] Bramley P. **J R Soc Med** 1981 Dec;74(12):867–9

Dihydrocodeine increases dental pain [letter] Henry JA. **Lancet** 1982 Jul 24;2(8291):223

A comparative study of polylactic acid, Gelfoam, and Surgicel in healing extraction sites. Olson RA, et al. **Oral Surg** 1982 May;53(5):441–9

[Observations of the heart rate, blood pressure and ECG during teeth extraction (author's transl)] Sun FX. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):8–10 **(Chi)**

[Orthodontic treatment of crowded teeth—treatment by extraction of teeth (author's transl)] Zhou XK. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):129–33 **(Chi)**

[Phantom tooth after tooth extractions] Pöllmann L. **Dtsch Zahnarztl Z** 1981 Aug;36(8):534–6 (Eng. Abstr.) **(Ger)**

[The comparison of blood levels between peripheral vein and tooth extraction wound after the oral administration of antibiotics (author's transl)] Hashimoto T, et al. **Jpn J Antibiot** 1981 Jun;34(6):942–5 (Eng. Abstr.) **(Jpn)**

[Tooth extraction – its role and importance as a therapeutic procedure. An analysis of our material] Duric DV. **Med Pregl** 1980;33(11–12):463–9 (Eng. Abstr.) **(Scr)**

[Use of DDAVP in the treatment of a child with hemophilia] Gebauer E, et al. **Med Pregl** 1981;34(5–6):239–41 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Bacteremia following dental extractions in patients with and without penicillin prophylaxis. Baltch AL, et al. **Am J Med Sci** 1982 May–Jun;283(3):129–40 (54 ref.)

Comparison of diflunisal and paracetamol in the management of pain following wisdom teeth removal. Irvine GH, et al. **Br Dent J** 1982 Jan 5;152(1):18–20

An investigation into some of the factors concerned in the surgical removal of the impacted lower wisdom tooth, including a double blind trial of chymoral. Cameron IW. **Br J Oral Surg** 1980 Sep;18(2):112–24

Death following dental clearance in a patient suffering from ankylosing spondylitis – a case report with discussion on management of such problems. Hill CM. **Br J Oral Surg** 1980 Jun;18(1):73–6

Orbital pseudotumour of dental origin. Littler BO. **Br J Oral Surg** 1981 Sep;19(3):208–17

Investigations of the buccal sulcus depth after the use of certain methods of oro-antral communication closure. Obradovic O, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Sep; 24(3):209–14

Hematogenous infection of peritoneovenous shunts after dental procedures. Gilas T, et al. **Can J Surg** 1982 Mar; 25(2):215–6

Functional changes in the a. carotis communis system resulting from dental extraction trauma and their treatment. Gaydadjiev H, et al. **Folia Med (Plovdiv)** 1981;23(3–4):64–9

Alveolitis after operative removal of third molars in the mandible. Krekmanov L. **Int J Oral Surg** 1981 Jun; 10(3):173–9

A new combination of drugs intended to be used as a preventive measure for the postextraction complications. A preliminary report. Syrjänen SM, et al. **Int J Oral Surg** 1981 Feb;10(1):17–22

Hemostasis after tooth extraction [letter] **J Am Dent Assoc** 1981 Nov;103(5):692

The case against early extraction of mandibular primary canines. Atkinson CD. **J Am Dent Assoc** 1982 Mar; 104(3):302–4

Immediate repair of the oroantral communication: a preventive dental procedure. Liposky RB. **J Am Dent Assoc** 1981 Nov;103(5):727–9

Postoperative hemorrhage [letter] Manne E, et al. **J Am Dent Assoc** 1981 Dec;103(6):846

Postextraction osseous repair as a cause of paresthesia [letter] Osborn TP. **J Oral Maxillofac Surg** 1982 Jul;40(7):399

Fatal cavernous sinus thrombosis secondary to third molar removal. Palmersheim LA, et al. **J Oral Maxillofac Surg** 1982 Jun;40(6):371–6

Intraoral and pulmonary tuberculosis following dental treatment. Smith WH, et al. **Lancet** 1982 Apr 10; 1(8276):842–4

Jaw bone cavities associated with facial pain syndromes: case reports. Mathis BJ, et al. **Milit Med** 1981 Oct; 146(10):719–23

Prevention and treatment of post-extraction complications. A comparison of the effect of Alvogyl and a new drug combination on wound healing. Syrjänen SM, et al. **Proc Finn Dent Soc** 1981;77(6):305–11

[Treatment of odontogenic complications involving the maxillary sinus after dental procedures] Fiala M. **Cesk Otolaryngol** 1981 Aug;30(4):214–8 (Eng. Abstr.) **(Cze)**

[Pneumopericardium after tooth extraction] Yde K. **Ugeskr Laeger** 1982 Jan 18;144(3):161–2 (Eng. Abstr.) **(Dan)**

[Complications in wisdom tooth removal] Roth H. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jun;91(6):440–1 **(Ger)**

[Late hemorrhages following tooth extraction in chronic myelosis] Andaházy E, et al. **Fogorv Sz** 1981 Apr; 74(4):97–100 (Eng. Abstr.) **(Hun)**

[Incidence of subcutaneous emphysema during tooth extraction] Jójárt G. **Fogorv Sz** 1981 Nov;74(11):337–8 **(Hun)**

[The influence of premature loss of first permanent molars on permanent dentition (author's transl)] Takei K, et al. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):219–29 (Eng. Abstr.) **(Jpn)**

METHODS

Extraction v. injection [letter] Boyd DE. **Br Dent J** 1981 Oct 5;151(7):214

The failure of local anesthesia in acute inflammation [letter] Quint JH. **Br Dent J** 1981 Oct 6;151(7):214

Removal of lower third molar germs by lateral trepanation and conventional technique. A comparative study. Finne K, et al. **Int J Oral Surg** 1981 Aug;10(4):251–4

Dental extractions in patients with acute nonlymphocytic leukemia. Overholser CD, et al. **J Oral Maxillofac Surg** 1982 May;40(5):296–8

[Medical preparation with regard to tooth extraction under local or loco-regional anesthesia in the dental office] Boucard R, et al. **Rev Odontostomatol (Paris)** 1982 Mar–Apr;11(2):129–30 **(Fre)**

VETERINARY

[Vivisection studies on the effects of unilateral tooth extraction on growth of the skull and masticatory musculature (author's transl)] Otto B, et al. **Anat Anz** 1981; 150(5):471–84 (Eng. Abstr.) **(Ger)**

TOOTH FRACTURES

COMPLICATIONS

Dental fragments in the lips. Allen FJ. **Int J Oral Surg** 1981; 10(Suppl 1):260–3

Periodontal defects associated with root fracture. Goldstein AR. **J Am Dent Assoc** 1981 Jun;102(6):863–4

Aspiration of an unerupted permanent tooth during maxillofacial trauma. McIntosh GC, et al. **J Oral Maxillofac Surg** 1982 Jul;40(7):448–50

Follow-up study of permanent incisors with enamel fractures as a result of an acute trauma. Ravn JJ. **Scand J Dent Res** 1981 Jun;89(3):213–7

Follow-up study of permanent incisors with enamel-dentin fractures after acute trauma. Ravn JJ. **Scand J Dent Res** 1981 Oct;89(5):355–65

DIAGNOSIS

Cracked tooth syndrome. Rosen H. **J Prosthet Dent** 1982 Jan;47(1):36–43

An additional clinical observation in two cases of vertical root fracture. Meister F Jr, et al. **Oral Surg** 1981 Jul; 52(1):91–6

ETIOLOGY

Defining conservative dentistry [letter] Howard CD. **J Am Dent Assoc** 1982 Feb;104(2):144, 146

Fracture resistance of mandibular molars with occlusal class I amalgam preparations. Re GJ, et al. **J Am Dent Assoc** 1981 Oct;103(4):580–3

Fracture resistance of lower molars with varying facioocclusolingual amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 May;47(5):518–21

PATHOLOGY

Fracture of a developing permanent central incisor prior to eruption. Wilson CM. **Br Dent J** 1981 Dec 15;151(12):426

[Longitudinal fracture of teeth—animal experiment (author's transl)] Xu JW. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):117–8 **(Chi)**

PHYSIOPATHOLOGY

Fracture resistance of molars [letter] Eames WB, et al. **J Am Dent Assoc** 1982 Jan;104(1):13, 16

Fracture strength of molars containing three surface amalgam restorations. Re GJ, et al. **J Prosthet Dent** 1982 Feb; 47(2):185–7

RADIOGRAPHY

[Tooth root split (author's transl)] Cao CF. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):235-7 **(Chi)**

SURGERY

Treatment of a root fracture with a gold implant: report of a case. Järvinen S, et al. **ASDC J Dent Child** 1981 Sep-Oct; 48(5):380-1

Periodontal surgery as an aid to restoring fractured teeth. McDonald FL, et al. **J Prosthet Dent** 1982 Apr; 47(4):366-72

[Tooth root fracture--report of 81 cases (author's transl)] Lu HF. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):29-31 **(Chi)**

[Treatment of dislocated root fractures] Nentwig GH. **Dtsch Zahnarztl Z** 1981;36(12):825-8 (Eng. Abstr.) **(Ger)**

THERAPY

Forced eruption: the treatment of choice of subgingivally fractured permanent incisors. Bielak S, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):186-90

Calcium-hydroxide pulpotomy: report of a case observed for nineteen years. McCormick FE. **ASDC J Dent Child** 1981 May-Jun;48(3):222-5

The restoration of fractured incisors in children: a comparative clinical trial of a composite and a microfine filled resin. Tyas MJ. **Aust Dent J** 1982 Apr;27(2):77-80

Root fracture management with calcium hydroxide therapy. Dow PR. **Can Dent Assoc J** 1981 Nov;47(11):732-3

Prosthodontic management of vertical root extrusion. Cronin RJ, et al. **J Prosthet Dent** 1981 Nov;46(5):498-504

Temporization of an extensively fractured anterior tooth. Jordan RD, et al. **J Prosthet Dent** 1982 Feb;47(2):182-4

Forced eruption in restoring severely fractured teeth using removable orthodontic appliances. Mandel RC, et al. **J Prosthet Dent** 1982 Mar;47(3):269-74

VETERINARY

Nonsurgical endodontic therapy, utilizing lingual coronal access on the mandibular canine tooth of dogs. Bellizzi R, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):370-4

TOOTH GERM

see related
ODONTOGENESIS

ANALYSIS

Calmodulin-like activity in a mineralising tissue: the rat molar tooth germ. Hubbard MJ, et al. **Calcif Tissue Int** 1981; 33(5):545-8

Acid-soluble bovine fetal enamelins. Belcourt AB, et al. **J Dent Res** 1982 Aug;61(8):1031-2

BLOOD SUPPLY

Adaptation of arterioles to moving capillaries. Moe H. **Acta Anat (Basel)** 1981;109(4):369-77

[Structural organization of the microcirculatory bed of the primordia of human deciduous teeth] Varshavskiĭ AI, et al. **Arkh Anat Gistol Embriol** 1981 May;80(5):38-47 (Eng. Abstr.) **(Rus)**

[Functional dependence of the angioarchitectonics of human permanent tooth buds] Varshavskiĭ AI, et al. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):6-9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Ultrastructure of differentiating preameloblasts from tooth germs of the permanent dentition of Macaca mulatta and Macaca arctoides. Skobe Z, et al. **Calcif Tissue Int** 1981; 33(6):603-18

Epidermal growth factor and proliferation of odontogenic cells in culture. Steidler NE, et al. **J Dent Res** 1981 Dec; 60(12):1977-82

[Tissue interactions and differentiation during odontogenesis] Benoît R, et al. **Actual Odontostomatol (Paris)** 1981; 136:653-63 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effects of nicotine on mouse first molar tooth germs in organ culture. Khan MA, et al. **J Biol Buccale** 1981 Dec;9(4):335-48

EMBRYOLOGY

Recombination experiments on the odontogenic roles of mouse dental papilla and dental sac tissues in ocular grafts. Yoshikawa DK, et al. **Arch Oral Biol** 1981;26(4):303-7

Distribution of blood group antigens A, B and H in human fetal oral mucosal and odontogenic epithelium. Vedtofte P, et al. **Scand J Dent Res** 1981 Dec;89(6):463-74

[In vitro dentinogenesis of mice fetuses tooth germs in the presence of fluoride. Morphological nad historical observations] Triller M, et al. **C R Seances Acad Sci [III]** 1981 Nov 16;293(10):619-24 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Separation and partial purification of acid phosphates of the enamel organ of rat molars. Anderson TR, et al. **Arch Oral Biol** 1982;27(2):129-32

Effects of iron and ascorbic acid on acid phosphatases of the enamel organ of rat molars. Anderson TR, et al. **Arch Oral Biol** 1982;27(3):255-9

Ultrastructural localization and gradient of activity of alkaline phosphatase activity during rodent odontogenesis. Orams HJ, et al. **Calcif Tissue Int** 1982 May;34(3):273-9

METABOLISM

Synthesis of collagen type I, type I trimer and type III by embryonic mouse dental epithelial and mesenchymal cells in vitro. Lesot H, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):206-12

Diazo-oxo-norleucine (DON)-induced alterations in the extracellular matrix of the mouse tooth germ. Hurmerinta K, et al. **Cell Differ** 1982 Apr;11(2):107-13

Role of the enamel organ in limiting fluoride uptake during the maturation phase of enamel development. Bawden JW, et al. **J Dent Res** 1982 Mar;61(3):506-9

PATHOLOGY

Lesions of the enamel organ of developing dog teeth following experimental inoculation of gnotobiotic puppies with canine distemper virus. Dubielzig RR, et al. **Vet Pathol** 1981 Sep;18(5):684-9

[The extension of the dental assistant into the field of prevention: the papilla bleeding index, an aid in the explanation of prevention] Ehrensperger S. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Sep;91 Spec No:738-42 **(Ger)**

[Mesial anlage of the 1st permanent molar bud (a case from practice)] Kamysheva LI. **Stomatologiia (Mosk)** 1981 Sep-Oct;60(5):84-5 **(Rus)**

SURGERY

Removal of lower third molar germs by lateral trepanation and conventional technique. A comparative study. Finne K, et al. **Int J Oral Surg** 1981 Aug;10(4):251-4

Rapid dissection of rodent molar-tooth germs. Kardos TB, et al. **Lab Anim** 1981 Oct;15(4):371-3

TRANSPLANTATION

Experimental induction of cementogenesis on the enamel of transplanted mouse tooth germs. Heritier M. **Arch Oral Biol** 1982;27(2):87-97

Transplantation of teeth and tooth germs. Northway WM. **Int Dent J** 1981 Sep;31(3):240-9

Remodelling processes following transplantation of dental germs in dogs. Scheibe B, et al. **Int J Oral Surg** 1981; 10(Suppl 1):146-50

[Immunological aspects of dental transplants] Azzolina LS, et al. **Minerva Stomatol** 1981 Jul-Aug;30(4):241-58 (117 ref.) (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Ruthenium rad staining and tannic acid fixation of dental basement membrane. Meyer JM, et al. **Cell Tissue Res** 1981; 220(3):589-97

Ultrastructure of the epithelial-mesenchymal interface in the mouse tooth germ. Hurmerinta K, et al. **J Craniofac Genet Dev Biol** 1981;1(2):191-202

[Microscopy and electron microscopy of the Hertwig sheath in the mouse] Heritier M, et al. **J Biol Buccale** 1981 Dec; 9(4):319-34 (Eng. Abstr.) **(Fre)**

TOOTH, IMPACTED

see related
TOOTH EXTRACTION

COMPLICATIONS

Fractures of the mandible involving the impacted third molar tooth: an analysis of 47 cases. Wolujewicz MA. **Br J Oral Surg** 1980 Sep;18(2):125-31

Apical resorption of a maxillary lateral incisor from a misplaced canine in a 17 year old. A case report. Brown ID, et al. **Br J Orthod** 1981 Jan;8(1):3-5

A case of impacted first molar with chronic mandibular osteomyelitis. Nakai M, et al. **Int J Oral Surg** 1981 Aug; 10(4):279-82

ETIOLOGY

Odontogenic tumor: a factor in noneruption. Anneroth G, et al. **ASDC J Dent Child** 1982 Jan-Feb;49(1):41-3

The development of third molar impaction and its prevention. Richardson M. **Int J Oral Surg** 1981;10(Suppl 1):122-30

FAMILIAL & GENETIC

[Cumulative familial incidence of multiple dental retention] Gáspár L, et al. **Orv Hetil** 1981 Nov 22;122(47):2901-3 **(Hun)**

PATHOLOGY

An impacted mandibular first permanent molar: report of case. Sian JS. **ASDC J Dent Child** 1982 Jan-Feb;49(1):39-40

[The clinical application of anatomy of impacted mandibular wisdom tooth (author's transl)] Geng WQ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):151-3 **(Chi)**

[Changes in the dimensions and spatial position of the mandible in retention and anodontia of the wisdom teeth] Bezvestnyĭ GV. **Stomatologiia (Mosk)** 1982 May-Jun; 61(3):71-2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Orthodontic considerations in predicting and preventing third molar impactions: a review. Cryer BS. **J R Soc Med** 1981 Dec;74(12):909-10 (13 ref.)

RADIOGRAPHY

Localization of impacted second premolars by stereoscopic and occlusal methods. Wolf J, et al. **Proc Finn Dent Soc** 1981;77(6):340-5

[X ray film analysis of 2,631 cases of impacted mandibular wisdom tooth (author's transl)] Chen CP. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Sep;16(3):169-71 **(Chi)**

SURGERY

An investigation into some of the factors concerned in the surgical removal of the impacted lower wisdom tooth, including a double blind trial of chymoral. Cameron IW. **Br J Oral Surg** 1980 Sep;18(2):112-24

Unerupted incisors. Munns D. **Br J Orthod** 1981 Jan; 8(1):39-42

Eruption of impacted permanent upper incisors after removal of of supernumerary teeth. Witsenburg B, et al. **Int J Oral Surg** 1981 Dec;10(6):423-31

The lancet - saturday 26 June 1982. Seymour RA, et al. **Lancet** 1982 Jun 26;1(8287):1425-6

A comparison of the effect of phenoxymethylpenicillin and azidocillin on postoperative complications after surgical removal of impacted mandibular third molars. Bystedt H, et al. **Swed Dent J** 1981;5(5-6):225-34

[Impacted cuspid in the maxilla] Baart JA. **Rev Belge Med Dent** 1981 Nov;36(6):264-7 **(Dut)**

[Retention of permanent teeth and therapeutic considerations] Dénes J, et al. **Fogorv Sz** 1982 May;75(5):129-33 **(Hun)**

THERAPY

Presurgical recovery of palatally impacted canines. Easthope DW. **Aust Dent J** 1982 Apr;27(2):94-7

[Direct bonding of plastic orthodontic attachment in the treatment of impacted teeth (analysis of 12 cases) (author's transl)] Tao CM. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):214-6 **(Chi)**

TOOTH LUXATION

COMPLICATIONS

The effect of luxation and subluxation upon the prognosis of traumatized incisor teeth. Rock WP, et al. **J Dent** 1981 Sep;9(3):224-30

ETIOLOGY

[Cuspid displaced into the maxillary sinus as a result of a minor injury] Balás G, et al. **Fogorv Sz** 1981 Sep;74(9):281-2 **(Hun)**

SURGERY

Treatment of traumatic tooth avulsion. Lind GL, et al. **Anesth Analg (Cleve)** 1982 May;61(5):469-70

[Treatment of dislocated root fractures] Nentwig GH. **Dtsch Zahnarztl Z** 1981;36(12):825-8 (Eng. Abstr.) **(Ger)**

THERAPY

Temporary stabilization of avulsed or luxated teeth. Medford HM. **Ann Emerg Med** 1982 Sep;11(9):490-2

[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131-7 **(Ita)**

TOOTH MIGRATION

Mesial migration and lower third molar tilt. Tait RV. **Br J Orthod** 1982 Jan;9(1):41-7

COMPLICATIONS

Experimental tooth ankylosis and horizontal tooth movement in the pig. Yilmaz RS, et al. **Arch Oral Biol** 1981;26(1):41-7

ETIOLOGY

Spontaneous changes in the mandibular arch following first premolar extractions. Berg R, et al. **Eur J Orthod** 1982 May;4(2):93-8

[Mesiodistal tooth movement of the lateral teeth during the inlay therapy of proximal lesions] Dietz G. **Dtsch Zahnarztl Z** 1981 Apr;36(4):258-9 **(Ger)**

OCCURRENCE

Extreme distal migration of the mandibular second bicuspid. A variant of eruption. Matteson SR, et al.

Angle Orthod 1982 Jan;52(1):11–8

PATHOLOGY

A migratory mandibular canine. Kerr WJ. **Br J Orthod** 1982 Apr;9(2):111–2

PHYSIOPATHOLOGY

Short-term changes in the mesiodistal position of teeth following removal of approximal contacts in the monkey Macaca fascicularis. Moss JP, et al. **Arch Oral Biol** 1982; 27(3):273–8

Bilateral transmigration of mandibular canines. Joshi MR, et al. **Br J Orthod** 1982 Jan;9(1):57–8

THERAPY

[Orthodontic appliance for regulated transposition of the teeth] Gashimov RG, et al. **Stomatologiia (Mosk)** 1981 Nov-Dec;60(6):43–5 (Eng. Abstr.) **(Rus)**

TOOTH MOBILITY

A quantitative assessment of the effects of axially directed extrusive loads on displacement of the impeded and unimpeded rabbit mandibular incisor. Moxham BJ, et al. **Arch Oral Biol** 1981;26(3):209–15

Changes in the force—intrusion relationship of the tooth with its resting position in macaque monkeys. Wills DJ, et al. **Arch Oral Biol** 1981;26(10):827–9

DIAGNOSIS

Tooth mobility measurements following two methods of eliminating nonworking side occlusal interferences. Moozeh MB, et al. **J Clin Periodontol** 1981 Oct;8(5):424–30

[New method for efficient measurement of horizontal tooth mobility] Meyer G, et al. **Dtsch Zahnarztl Z** 1981 Jul; 36(7):440–4 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Relation of attrition and mobility of the teeth to periodontal conditions in adult females. Lahdenpää R. **Proc Finn Dent Soc** 1981;77 Suppl 1–3:1–52

PHYSIOPATHOLOGY

Recent results concerning physiological tooth movement and anterior guidance. Siebert G. **J Oral Rehabil** 1981 Nov; 8(6):479–93

The effect of progressive and increasing tooth hypermobility on reduced but healthy periodontal supporting tissues. Perrier M, et al. **J Periodontol** 1982 Mar;53(3):152–7

[Physiological and pathological factors of tooth mobility] vanSteenberghe D. **Rev Belge Med Dent** 1982 May; 37(3):83–4 **(Dut)**

PREVENTION & CONTROL

[A preliminary report on reduciion of loosening of teeth by application of calcium solution in orthodontics (author's transl)] Xu RF. **Chung Hua Kou Chiang Ko Tsa Chih** 1982; 17(1):30–2 **(Chi)**

THERAPY

Influence of removable partial dentures on tooth mobility. Kerschbaum T. **Rev Belge Med Dent** 1982 May; 37(3):101–10

[Crown and bridgework in cases with reduced alveolar bone and increased mobility] Grevers A. **Rev Belge Med Dent** 1982 May;37(3):93–6 **(Dut)**

[Indications and contraindications of fixed and removable periodontal splints] Renggli H. **Rev Belge Med Dent** 1982 May;37(3):90–3 **(Dut)**

TOOTH MOVEMENT, MINOR

Collagen synthesis in rat gingiva during tooth movement. Boisson M, et al. **Am J Orthod** 1981 Sep;80(3):289–99

The effect of altered bone metabolism on orthodontic tooth movement. Midgett RJ, et al. **Am J Orthod** 1981 Sep; 80(3):256–62

Orthodontics and the temporomandibular joint. Greene CS. **Angle Orthod** 1982 Apr;52(2):166–72 (30 ref.)

Change in lip contour with maxillary incisor retraction. Waldman BH. **Angle Orthod** 1982 Apr;52(2):129–34

Periodontal conditions in adolescents subjected to multiband orthodontic treatment with controlled oral hygiene. Hamp SE, et al. **Eur J Orthod** 1982 May;4(2):77–86

Long-term gingival conditions after orthodontic closure of extraction sites. Histological and histochemical studies. Kurol J, et al. **Eur J Orthod** 1982 May;4(2):87–92

Residual extraction sites after orthodontic treatment. Part 1. At debanding. Oftedal B, et al. **Eur J Orthod** 1982 Feb; 4(1):11–9

Residual extraction sites after orthodontic treatment. Part II. At the end of retention. Wisth PJ, et al. **Eur J Orthod** 1982 May;4(2):99–104

Angular changes in collagen cemental attachment during tooth movement. Sims MR. **J Periodont Res** 1980 Nov; 15(6):638–45

Orthodontic tooth movement as an adjunct to prosthetic therapy. Tuncay OC. **J Prosthet Dent** 1981 Jul;46(1):41–7

Sequential interdisciplinary therapy for restorative dentistry. Seide LJ, et al. **NY State Dent J** 1981 Nov;47(9):549, 553, 556, 558

Orthodontic treatment in dentitions with reduced periodontal support. Thilander B. **Rev Belge Med Dent** 1982 May; 37(3):119–25

[A study on the time-course of the periodontal vascular permeability during experimental tooth movement (author's transl)] Iida J. **Kokubyo Gakkai Zasshi** 1982 Mar; 49(1):143–54 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

The effects of orthodontic treatment on periodontal tissues in patients with reduced periodontal support. Eliasson LA, et al. **Eur J Orthod** 1982 Feb;4(1):1–9

The effect of force magnitude on extractable bone resorptive activity and cemental cratering in orthodontic tooth movement. King GJ, et al. **J Dent Res** 1982 Jun;61(6):775–9

INSTRUMENTATION

Why edgewise? A compendium of means to gentle resilient fixed appliances. Hocevar RA. **Am J Orthod** 1981 Sep; 80(3):237–55

The Fränkel appliance (FR-2): model preparation and appliance construction. McNamara JA Jr, et al. **Am J Orthod** 1981 Nov;80(5):478–95

An assessment of Andresen therapy on class II division 1 malocclusion. Calvert FJ. **Br J Orthod** 1982 Jul;9(3):149–53

METHODS

Tridimensional planning for surgical/orthodontic treatment of mandibular excess. Bell WH, et al. **Am J Orthod** 1981 Sep;80(3):263–88

Understanding, planning, and managing tooth movement: orthodontic force system theory. Hocevar RA. **Am J Orthod** 1981 Nov;80(5):457–77

Stability and relapse of mandibular anterior alignment–first premolar extraction cases treated by traditional edgewise orthodontics. Little RM, et al. **Am J Orthod** 1981 Oct; 80(4):349–65

Controlled movement of maxillary incisors in the Begg technique. Liu SY, et al. **Am J Orthod** 1981 Sep; 80(3):300–15

Experimental intrusion of rat incisors with continuous loads of varying magnitude. Steigman S, et al. **Am J Orthod** 1981 Oct;80(4):429–36

Bilateral buccolingual forces produced by extraoral traction. Baldini G, et al. **Angle Orthod** 1981 Oct;51(4):301–18

The ribbon arch. Its influence in the development of orthodontic appliances. Dewel BF. **Angle Orthod** 1981 Oct; 51(4):263–8

Forced eruption: the treatment of choice of subgingivally fractured permanent incisors. Bielak S, et al. **ASDC J Dent Child** 1982 May-Jun;49(3):186–90

Presurgical recovery of palatally impacted canines. Easthope DW. **Aust Dent J** 1982 Apr;27(2):94–7

Dento-facial orthopaedics in the correction of class II malocclusion. Bass NM. **Br J Orthod** 1982 Jan;9(1):3–31

Retraction of canines with axial control using extra-oral traction. Davis HD, et al. **Br J Orthod** 1981 Jan;8(1):23–30

Retraction and alignment of upper incisors with a sliding labial arch. Davis HD. **Br J Orthod** 1981 Jan;8(1):19–22

Use of the 'Tip-back arch' in modern edgewise technique. Jones ML, et al. **Br J Orthod** 1981 Jan;8(1):7–9

Whip arch modification. McCartney TI. **Br J Orthod** 1981 Jan;8(1):37–8

Uprighting molars as an adjunct to restorative and periodontal treatment of adults. Tulloch JF. **Br J Orthod** 1982 Jul;9(3):122–8

Trauma: its influence on orthodontic treatment planning. Dale JG. **Dent Clin North Am** 1982 Jul:26(3):565–9

The twin block traction technique. Clark WJ. **Eur J Orthod** 1982 May;4(2):129–38

The tilted posterior tooth. Part II: Biomechanical therapy. Becker A, et al. **J Prosthet Dent** 1982 Aug;48(2):149–55

Prosthodontic management of vertical root extrusion. Cronin RJ, et al. **J Prosthet Dent** 1981 Nov;46(5):498–504

Forced eruption in restoring severely fractured teeth using removable orthodontic appliances. Mandel RC, et al. **J Prosthet Dent** 1982 Mar;47(3):269–74

Forced eruption: principles in periodontics and restorative dentistry. Potashnick SR, et al. **J Prosthet Dent** 1982 Aug; 48(2):141–8

Profile changes after adult orthodontics. Feingold M, et al. **NY State Dent J** 1982 Feb;48(2):92–5

A surgical case treated orthodontically. Platzer KM. **NY State Dent J** 1982 Apr;48(4):240–2

The non-extraction approach to the treatment of Class II malocclusions: diagnosis and treatment planning. Muir JC. **NZ Dent J** 1982 Apr;78(352):41–51

Preprosthetic movement of anterior teeth. Melsen B. **Rev Belge Med Dent** 1982 May;37(3):111–4

The effect of the supra-alveolar soft tissues on the relapse of orthodontic treatment. I. Surgical procedure minimizing the possible influence of the gingival soft tissues on orthodontic treatment relapse. Larsson E, et al. **Swed Dent J** 1981;5(3):123–7

[Orthodontic treatment of maxillary protrusion (report of 100 cases) (author's transl)] Jin YL. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):323–4 **(Chi)**

[Orthodontics: what should be done between 6 and 9 years of age?] Benauwt A. **Rev Odontostomatol (Paris)** 1981 Nov-Dec;10(6):447–53 **(Fre)**

[2 cases of preprosthetic orthodontics] Bourgoin G. **Rev Odontostomatol (Paris)** 1982 Jan-Feb;11(1):43–7 **(Fre)**

TOOTH PERMEABILITY

A preliminary study of posteruptive maturation of teeth in situ. Brudevold F, et al. **Caries Res** 1982;16(3):243–8

The relationship among the permeability to iodide, pore volume, and intraoral mineralization of abraded enamel. Brudevold F, et al. **J Dent Res** 1982 May;61(5):645–8

The effects of plasma and salivary constituents on dentin permeability. Pashley DH, et al. **J Dent Res** 1982 Aug; 61(8):978–81

Dentin hydraulic conductance: changes produced by red blood cells. Pashley DH, et al. **J Dent Res** 1981 Oct; 60(10):1797–802

[Investigations into the permeability of dentin of human teeth (author's transl)] Martens C, et al. **Zahn Mund Kieferheilkd** 1981;69(3):179–84 (Eng. Abstr.) **(Ger)**

[Analysis of dental enamel permeability using labelled saccharose and xylitol] Tarján I, et al. **Fogorv Sz** 1981 Aug; 74(8):235–8 (Eng. Abstr.) **(Hun)**

DRUG EFFECTS

Effect of initial demineralization on the permeability of human tooth enamel to iodide. Bakhos Y, et al. **Arch Oral Biol** 1982;27(3):193–6

Intraoral mineralization of abraded dental enamel. Brudevold F, et al. **J Dent Res** 1982 Mar;61(3):456–9

SEM and microprobe analyses of enamel–metal–fluoride interactions. Clarkson BH, et al. **J Dent Res** 1981 Nov; 60(11):1912–20

Dentin permeability: effects of smear layer removal. Pashley DH, et al. **J Prosthet Dent** 1981 Nov;46(5):531–7

TOOTH REIMPLANTATION see **TOOTH REPLANTATION**

TOOTH REMINERALIZATION see **TOOTH CALCIFICATION**

TOOTH REPLANTATION

Pedodontics [letter] Berkowitz R, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):206

Periodontal ligament, extra-oral period and use of fluorides in replantation of teeth. Mahajan SK, et al. **Indian J Med Res** 1982 Mar;75:441–5

Periodontal healing after replantation and autotransplantation of incisors in monkeys. Andreasen JO. **Int J Oral Surg** 1981 Feb;10(1):54–61

Effect of extra-alveolar period and storage media upon periodontal and pulpal healing after replantation of mature permanent incisors in monkeys. Andreasen JO. **Int J Oral Surg** 1981 Feb;10(1):43–53

Repair processes in the cervical region of replanted and transplanted teeth in monkeys. Andreasen JO, et al. **Int J Oral Surg** 1981 Apr;10(2):128–36

Evaluation of different types of autotransplanted connective tissues as potential periodontal ligament substitutes. An experimental replantation study in monkeys. Andreasen JO, et al. **Int J Oral Surg** 1981 Jun;10(3):189–201

Pulpal changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):111–21

Repair in different zones of the periodontium after tooth reimplantation. Proye MP, et al. **J Periodontol** 1982 Jun; 53(6):379–89

The effects of different splinting times on replantation of teeth in monkeys. Nasjleti CE, et al. **Oral Surg** 1982 Jun; 53(6):557–66

Periodontal healing of exarticulated monkey teeth stored in milk or saliva. Blomlöf L, et al. **Scand J Dent Res** 1981 Jun;89(3):251–9

The effect of excessive occlusal trauma upon periodontal healing after replantation of mature permanent incisors in monkeys. Andreasen J. **Swed Dent J** 1981;5(3):115–22

[Histological examination of the regeneration of the periodontium in the Java macaque (Cynomolgus)] Kirschner H. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):255–68 (Eng. Abstr.) **(Fre)**

[Tooth reimplantation, transplants and alloplastic implants] Gennari P, et al. **Acta Biomed Ateneo Parmense** 1981; 52(4):131–7 **(Ita)**

[Immunological aspects of dental transplants] Azzolina LS, et al. **Minerva Stomatol** 1981 Jul-Aug;30(4):241–58 (117 ref.) (Eng. Abstr.) **(Ita)**

METHODS

Treatment of traumatic tooth avulsion. Lind GL, et al. **Anesth Analg (Cleve)** 1982 May;61(5):469–70

Vascular changes in replanted and autotransplanted apicoectomized mature teeth of dogs. Skoglund A. **Int J Oral Surg** 1981 Apr;10(2):100–10

Intentional replantation of teeth: a clinical evaluation. Grossman LI. **J Am Dent Assoc** 1982 May;104(5):633–9

Intentional reimplantation: report of case. Lubin H.

J Am Dent Assoc 1982 Jun;104(6):858–9
Replantation of a mandibular molar: report of case. Stroner WF, et al. **J Am Dent Assoc** 1981 Nov;103(5):730–1
[Neo-alveolar reimplantation of cuspids] Bullens R, et al. **Acta Stomatol Belg** 1981;78(2):95–105 **(Dut)**
[Surgical tooth preservation. Experiments with aluminum oxide–ceramic] Kirschner H. **Dtsch Zahnarztl Z** 1981 May; 36(5):274–85 (Eng. Abstr.) **(Ger)**

TOOTH RESORPTION

ETIOLOGY

Apical resorption of a maxillary lateral incisor from a misplaced canine in a 17 year old. A case report. Brown ID, et al. **Br J Orthod** 1981 Jan;8(1):3–5

PATHOLOGY

Microscopy of resorption of enamel and dentine from the cusp tips of the molar teeth of rats. Sutcliffe JE, et al. **Arch Oral Biol** 1981;26(1):29–39
Idiopathic external coronal resorption. Case report. Grundy GE, et al. **Aust Dent J** 1982 Feb;27(1):1–4
Scanning electron microscopy of the resorption process in human deciduous teeth. Kukletová M, et al. **Folia Morphol (Praha)** 1981;29(3):284–5
Odontoclastoma or idiopathic external resorption. Sadler A, et al. **Oral Surg** 1981 Sep;52(3):304–7

RADIOGRAPHY

Tooth resorption and root canal therapy. Horn AB. **Oral Surg** 1981 Sep;52(3):325

TOOTH ROOT

see related
APICOECTOMY
ROOT RESORPTION

ABNORMALITIES

Birooted bilateral maxillary primary canines. Bimstein E, et al. **ASDC J Dent Child** 1982 May–Jun;49(3):217–8
A radicular dens invaginatus. Soames JV, et al. **Br Dent J** 1982 May 4;152(9):308–9
Three-rooted permanent mandibular first molars in the Thai. Reichart PA, et al. **Community Dent Oral Epidemiol** 1981 Aug;9(4):191–2
Root fusion in molars: incidence and sex linkage. Ross IF, et al. **J Periodontol** 1981 Nov;52(11):663–7
Three-rooted mandibular first primary molar. Badger GR. **Oral Surg** 1982 May;53(5):547

ANATOMY & HISTOLOGY

Topography of root surfaces treated in vitro with citric acid, elastase and hyaluronidase. A scanning electron microscopy study. Part II. Daryabegi P, et al. **J Periodontol** 1981 Dec;52(12):736–42
An instrument for measuring root canal length and apex location. A rapid technique. Negm MM. **Oral Surg** 1982 Apr;53(4):405–9

DRUG EFFECTS

Healing after treatment of periodontal intraosseous defects. II. Effect of citric acid conditioning of the root surface. Renvert S, et al. **J Clin Periodontol** 1981 Dec;8(6):459–73
Chemical treatment of diseased root surfaces in vitro. Wirthlin MR, et al. **J Periodontol** 1981 Nov;52(11):694–6
Regeneration and repair after biologic treatment of root surfaces in monkeys. Wirthlin MR, et al. **J Periodontol** 1981 Dec;52(12):729–35
Inhibiting effect on demineralization of permanent root surfaces after different topical application of fluorides and a solution containing Fe- and Al-ions. Dérand T, et al. **Swed Dent J** 1982;6(3):117–20
[Animal experiment and clinical examinations of the medicinal root-filling paste Gangraena-Merz] Dietz G. **Dtsch Zahnarztl Z** 1981 Jun;36(6):382–5 **(Ger)**

GROWTH & DEVELOPMENT

Remodelling processes following transplantation of dental germs in dogs. Scheibe B, et al. **Int J Oral Surg** 1981; 10(Suppl 1):146–50
[Microscopy and electron microscopy of the Hertwig sheath in the mouse] Heritier M, et al. **J Biol Buccale** 1981 Dec; 9(4):319–34 (Eng. Abstr.) **(Fre)**

INJURIES

Treatment of a root fracture with a gold implant: report of a case. Järvinen S, et al. **ASDC J Dent Child** 1981 Sep–Oct; 48(5):380–1
Root fracture management with calcium hydroxide therapy. Dow PR. **Can Dent Assoc J** 1981 Nov;47(11):732–3
Effects and clinical significance of trauma to the developing permanent dentition. Torneck CD. **Dent Clin North Am** 1982 Jul;26(3):481–504
Periodontal defects associated with root fracture. Goldstein AR. **J Am Dent Assoc** 1981 Jun;102(6):863–4
Prosthodontic management of vertical root extrusion. Cronin RJ, et al. **J Prosthet Dent** 1981 Nov;46(5):498–504
An additional clinical observation in two cases of vertical root fracture. Meister F Jr, et al. **Oral Surg** 1981 Jul; 52(1):91–6
[Tooth root split (author's transl)] Cao CF. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):235–7 **(Chi)**
[Tooth root fracture—report of 81 cases (author's transl)] Lu HF. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar; 15(1):29–31 **(Chi)**

INNERVATION

[The innervation of tooth root granulomas] Zerosi C. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Dec; 24(4):269–77 (Eng. Abstr.) **(Fre)**

METABOLISM

Effect of NaF, TiF4 and APF solutions on root surfaces in vitro, with special reference to uptake of F. Hals E, et al. **Caries Res** 1981;15(6):468–76

PATHOLOGY

Prevalence and intraoral distribution of root caries in an adult population. Katz RV, et al. **Caries Res** 1982;16(3):265–71
Submergence of roots for alveolar ridge preservation. A failure (4-year follow-up study). von Wowern N, et al. **Int J Oral Surg** 1981 Aug;10(4):247–50
Prediction of root surface caries in patients treated for advanced periodontal disease. Ravald N, et al. **J Clin Periodontol** 1981 Oct;8(5):400–14
Current status of the management of teeth with furcation invasions. Newell DH. **J Periodontol** 1981 Sep;52(9):559–68 (165 ref.)
Pulpal and radicular response to maxillary osteotomy in monkeys. Nanda R, et al. **Oral Surg** 1982 Jun;53(6):624–36

PHYSIOLOGY

Root banking to preserve alveolar bone: a review and clinical recommendation. Dugan DJ, et al. **J Am Dent Assoc** 1981 Nov;103(5):737–43 (45 ref.)
The effect of marrow on the formation of 'functionally' oriented collagen fibers. Morris ML. **J Periodontol** 1981 Nov;52(11):690–3
Regeneration and repair after biologic treatment of root surfaces in monkeys. II. Proximal surfaces posterior teeth. Wirthlin MR, et al. **J Periodontol** 1982 May;53(5):302–6
Submucosal root retention. A two-year clinical observation. MacEntee MI, et al. **J Prosthet Dent** 1982 May;47(5):483–7

PHYSIOPATHOLOGY

[Study on handling of broken instruments in root canal. Study on distribution of metal in the teeth treated by iontophoresis with transparent specimens (author's transl)] Yazaki M, et al. **Kokuhyo Gakkai Zasshi** 1981 Dec;48(4):344–52 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Retained second deciduous molar roots. Deane CE Jr. **Oral Surg** 1982 Mar;53(3):326
Fibrous dysplasia surrounding a retained root. Nespeca JA. **Oral Surg** 1981 Jul;52(1):110
Migrating root tip. Ryan WJ, et al. **Oral Surg** 1982 Jun; 53(6):652

SURGERY

Ultrasonic root planing. Pearlman BA. **Aust Dent J** 1982 Apr; 27(2):109–16
Effects of repeated scaling and root planing and/or controlled oral hygiene on the periodontal attachment level and pocket depths in beagle dogs. II. Bacteriological findings. Syed SA, et al. **J Periodont Res** 1982 Mar; 17(2):219–25
Initial healing of periodontal pockets after a single episode of root planing monitored by controlled probing forces. Proye M, et al. **J Periodontol** 1982 May;53(5):296–301
[Conservative prosthetics of residual root residual crown (author's transl)] Shi SJ. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):93–6 **(Chi)**
[Treatment of dislocated root fractures] Nentwig GH. **Dtsch Zahnarztl Z** 1981;36(12):825–8 (Eng. Abstr.) **(Ger)**
[Localization of retained roots in the endentulous jaw] Niederdellmann H. **Dtsch Zahnarztl Z** 1982 Jun;37(6):531–2 **(Ger)**

ULTRASTRUCTURE

[Root surfaces in progressive periodontitis] Rateitschak-Plüss EM, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Jul; 91(7):538–49 (Eng. Abstr.) **(Ger)**

TOOTH, SUPERNUMERARY

COMPLICATIONS

An unusual case of dentigerous cyst due to mesiodens. Papadopoulos MS. **Br J Oral Surg** 1981 Dec;19(4):307–8
Unerupted incisors. Munns D. **Br J Orthod** 1981 Jan; 8(1):39–42
A large dentigerous cyst associated with a supernumerary tooth. Most DS, et al. **J Oral Maxillofac Surg** 1982 Feb; 40(2):119–20

FAMILIAL & GENETIC

A comparison of identical twins in relation to three dental anomalies: multiple supernumerary teeth, juvenile periodontosis, and zero caries incidence. Rubin MM, et al. **Oral Surg** 1981 Oct;52(4):391–4

OCCURRENCE

Supernumerary and congenitally missing primary teeth in Finnish children. An epidemiologic study. Järvinen S, et al. **Acta Odontol Scand** 1981;39(2):83–6

PATHOLOGY

A case of supernumerary cuspid. Kobayashi S, et al. **Acta Med Okayama** 1981 Dec;35(6):421–5
Development course of supernumerary premolars in childhood: report of two cases. Ranta R, et al. **ASDC J Dent Child** 1981 Sep–Oct;48(5):385–8
Maxillary sixth molars. Fisher SE. **Br Dent J** 1982 May 18; 152(10):356
Ectopic soft-tissue mesiodens. Diekmann SL, et al. **Oral Surg** 1982 Apr;53(4):391–4
[Enamelless tooth rudiments found in cadavers for student laboratory practice (author's transl)] Komuro H. **Kokubyo Gakkai Zasshi** 1981 Dec;48(4):439–56 (Eng. Abstr.) **(Jpn)**
[Supernumerary tooth in the nasal cavity] Kulinich VP. **Vestn Otorinolaringol** 1981 Jul–Aug;(4):69–70 **(Rus)**

RADIOGRAPHY

Supernumerary mandibular premolars. Report of a case in a patient of mongoloid origins. Jones AW. **Br J Oral Surg** 1981 Dec;19(4):305–6
Supplemental and supernumerary maxillary third molars. Ruprecht A, et al. **Isr J Dent Med** 1981 Feb;28(4):20
Effect of panoramic focal trough topography on radiographic imaging of supernumerary teeth in the anterior region. Matteson SR, et al. **J Oral Maxillofac Surg** 1982 May; 40(5):318–9
Unerupted, geminated, supernumerary premolar. Mader CL, et al. **Oral Surg** 1982 Jun;53(6):653
Duplication of all permanent premolars. Reichart PA. **Oral Surg** 1982 Apr;53(4):437

SURGERY

Eruption of impacted permanent upper incisors after removal of of supernumerary teeth. Witsenburg B, et al. **Int J Oral Surg** 1981 Dec;10(6):423–31

VETERINARY

[Polyodontia and abnormal forms of teeth in dogs (author's transl)] Kuiper JD, et al. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):451–7 (Eng. Abstr.) **(Dut)**

TOOTH SUPPORTING STRUCTURES see **PERIODONTIUM**

TOOTH, UNERUPTED

see related
TOOTH, IMPACTED

ABNORMALITIES

Unerupted, geminated, supernumerary premolar. Mader CL, et al. **Oral Surg** 1982 Jun;53(6):653

ANATOMY & HISTOLOGY

Tooth size prediction in the mixed dentition. Cunat JJ. **NY State Dent J** 1982 Feb;48(2):88–91

INJURIES

Fracture of a developing permanent central incisor prior to eruption. Wilson CM. **Br Dent J** 1981 Dec 15;151(12):426
Aspiration of an unerupted permanent tooth during maxillofacial trauma. McIntosh GC, et al. **J Oral Maxillofac Surg** 1982 Jul;40(7):448–50

PATHOLOGY

Idiopathic external coronal resorption. Case report. Grundy GE, et al. **Aust Dent J** 1982 Feb;27(1):1–4
A migratory mandibular canine. Kerr WJ. **Br J Orthod** 1982 Apr;9(2):111–2

PHYSIOPATHOLOGY

Extreme distal migration of the mandibular second bicuspid. A variant of eruption. Matteson SR, et al. **Angle Orthod** 1982 Jan;52(1):11–8
Apparent hypodontia. Coupland MA. **Br Dent J** 1982 Jun 1;152(11):388
Bilateral transmigration of mandibular canines. Joshi MR, et al. **Br J Orthod** 1982 Jan;9(1):57–8

SURGERY

Surgical correction of an unerupted tooth. Latta JR. **J Am Dent Assoc** 1982 May;104(5):639–40
Eruption of maxillary canines. Olow-Nordenram M, et al.

Scand J Dent Res 1982 Feb;90(1):1–8
[Retention of permanent teeth and therapeutic considerations] Dénes J, et al. **Fogorv Sz** 1982 May;75(5):129–33 **(Hun)**

TOOTH, WISDOM see **MOLAR, THIRD**

TOOTHACHE

DIAGNOSIS

Facial pain – toothache or tumour? Aiken A. **Int J Oral Surg** 1981;10(Suppl 1):187–90
Atypical odontalgia: differential diagnosis and treatment. Kreisberg MK. **J Am Dent Assoc** 1982 Jun;104(6):852–4

DRUG THERAPY

Mucosal dosage form of lidocaine for toothache using hydroxypropyl cellulose and carbopol. Ishida M, et al. **Chem Pharm Bull (Tokyo)** 1982 Mar;30(3):980–4
Efficacy of using benzocaine for temporary relief of toothache. Sveen OB, et al. **Oral Surg** 1982 Jun;53(6):574–6

ETIOLOGY

Dental pain: its origin, characteristics and diagnosis. Doran GA. **Aust Fam Physician** 1982 Feb;11(2):118–20, 122–4, 126
The interaction between dentistry and otolaryngology. Nazif MM, et al. **Pediatr Clin North Am** 1981 Nov;28(4):997–1010
[Superior dental neuralgia as a presenting feature of ethmosphenoidal carcinoma (author's transl)] Le Grignou P, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):53–5 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Incidence of phantom tooth pain: an atypical facial neuralgia. Marbach JJ, et al. **Oral Surg** 1982 Feb;53(2):190–3

PHYSIOPATHOLOGY

Pain: a poor parameter of evaluation in dentistry. Taintor JF, et al. **Oral Surg** 1981 Sep;52(3):299–303 (45 ref.)
[Clinical observations on 475 cases of referred pain of dental origin (author's transl)] Zeng HL. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Mar;15(1):45–7 **(Chi)**
[Phantom tooth after tooth extractions] Pöllmann L. **Dtsch Zahnarztl Z** 1981 Aug;36(8):534–6 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Action called for on sale of toothache solutions [letter] Feaver F. **Br Dent J** 1982 Jan 5;152(1):3

TOOTHBRUSHING

The conditions occurring in vivo when brushing with toothpastes. Duke SA, et al. **Br Dent J** 1982 Jan 19; 152(2):52–4
Factors associated with toothbrushing behaviour in adolescents. Hodge HC, et al. **Br Dent J** 1982 Jan 19; 152(2):49–51
Modification of occurrence of caries in children by toothbrushing and sugar exposure in fluoridated and nonfluoridated areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1981 Jun;9(3):103–7
Fluoride acquisition by surface enamel of human teeth in vivo following toothbrushing with an amine-fluoride toothpaste. Mushanoff O, et al. **J Dent** 1981 Jun;9(2):144–9
Observation and comparison of polished composite surfaces with the aid of SEM and profilometer. II. Following tooth cleaning procedures. Lambrechts P, et al. **J Oral Rehabil** 1982 May;9(3):203–16
The relationship of weight loss to surface roughness of composite resins from simulated toothbrushing. Kanter J, et al. **J Prosthet Dent** 1982 May;47(5):505–13
A comparison of estimated versus actual brushing time. Emling RC, et al. **Pharmacol Ther Dent** 1981;6(3–4):93–8

ADVERSE EFFECTS

The rate of cervical abrasion in dental students. Nordbø H, et al. **Acta Odontol Scand** 1982;40(1):45–7
Gingival ulceration due to improper toothbrushing. Blasberg B, et al. **Can Dent Assoc J** 1981 Jul;47(7):462–4
Traumatic ulcerative gingival lesion. Axéll T, et al. **J Clin Periodontol** 1982 May;9(3):178–83
Tongue brushing, dentifrice, and age effects on taste and smell. Hyde RJ, et al. **J Dent Res** 1981 Oct;60(10):1730–4
Traumatic lesions of the gingiva provoked by toothbrushing [letter] Schiødt M. **Oral Surg** 1981 Sep;52(3):261–2

INSTRUMENTATION

Young children and toothpaste [letter] Dixon DA. **Br Dent J** 1981 Oct 6;151(7):213
Choice of toothbrushes by patients: a pilot study. Yule AJ, et al. **Can Dent Assoc J** 1981 Jul;47(7):459–61
Scanning electron microscopy of unused and used manual toothbrushes. Massassati A, et al. **J Clin Periodontol** 1982 Mar;9(2):148–61
The effectiveness of an electro-ionizing toothbrush in the control of dentinal hypersensitivity. Johnson RH, et al. **J Periodontol** 1982 Jun;53(6):353–9
Dental study in patients with rheumatoid arthritis. Read PW, et al. **Rheumatol Rehabil** 1981 May;20(2):108–12
[Electric dental care in the child with multiple disability (author's transl)] Gratzer P. **Rehabilitation (Stuttg)** 1982 May;21(2):73–5 (Eng. Abstr.) **(Ger)**
[Water absorption and release in toothbrush bristles] Keszthelyi G. **Fogorv Sz** 1981 Apr;74(4):115–8 (Eng. Abstr.) **(Hun)**

METHODS

Duration and pattern of toothbrushing in children using a gel or paste dentifrice. Kleber CJ, et al. **J Am Dent Assoc** 1981 Nov;103(5):723–6
The good toothbrushing game: a school-based dental hygiene program for increasing the toothbrushing effectiveness of children. Swain JJ, et al. **J Appl Behav Anal** 1982 Spring; 15(1):171–6

TOOTHPASTE see under **DENTIFRICES**

TOPECTOMY see **PSYCHOSURGERY**

TORPEDO

ANATOMY & HISTOLOGY

[Presence of lipofuscin masses in the myocardium of Torpedo m] Aloj Totàro E. **Boll Soc Ital Biol Sper** 1981 Apr 30; 57(8):880–2 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Increase in the translatable mRNA for acetylcholine receptor during embryonic development of Torpedo ocellata electric organ. Soreq H, et al. **FEBS Lett** 1982 Mar 8; 139(1):32–40

GROWTH & DEVELOPMENT

The developmental morphology of Torpedo marmorata: electric lobe–electromotoneuron proliferation and cell death. Fox GQ, et al. **J Comp Neurol** 1982 May 10; 207(2):183–90
[Biology and physiology of development, growth and reproduction of electric rays. Survey of research since 1965] Mellinger J. **Arch Inst Pasteur Tunis** 1981 Sep–Dec; 58(3):441–63 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunohistochemical localization of a synaptic-vesicle antigen in a cholinergic neuron under conditions of stimulation and rest. Jones RT, et al. **Cell Tissue Res** 1982; 223(1):117–26
Presynaptic plasma membranes and synaptic vesicles of cholinergic nerve endings demonstrated by means of specific antisera. Walker JH, et al. **Cell Tissue Res** 1982; 223(1):101–16
Antigenic similarities between the subunits of acetylcholine receptor from Torpedo marmorata. Mehraban F, et al. **FEBS Lett** 1982 May 3;141(1):1–5
Immunosuppression of experimental autoimmune myasthenia gravis by alpha-fetoprotein rich formation. Brenner T, et al. **Immunol Lett** 1981 Aug;3(3):163–7

METABOLISM

Quantitative evaluation of lipofuscin in relation to age and meclofenoxate treatment. Electron microscopic study of 'Torpedo M.' neurons. Aloj Totaro E, et al. **Acta Neurol (Napoli)** 1981 Jun;36(3):453–9
Influence of SH- groups in the formation of neuronal lipofuscin in 'Torpedo M.'. Aloj Totaro E, et al. **Acta Neurol (Napoli)** 1981 Jun;36(3):460–7
Some neurochemical properties of thiamin. Doerge DR, et al. **Ann NY Acad Sci** 1982;378:422–34
A stereoselective pentobarbital binding site in cholinergic membranes from Torpedo californica. Miller KW, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):659–66
Properties of proteoliposomes reconstituted with acetylcholine receptor from Torpedo californica. Huganir RL, et al. **J Biol Chem** 1982 Aug 25;257(16):9372–8
Homocholine and short-chain N-alkyl choline analogues as substrates for Torpedo choline acetyltransferase. Luqmani YA, et al. **J Neurochem** 1982 Feb;38(2):368–74
Acetylcholine changes underlying transmission of a single nerve impulse in the presence of 4-aminopyridine in Torpedo. Corthay J, et al. **J Physiol (Lond)** 1982 Apr; 325:461–79
Acetylcholine measured at short time intervals during transmission of nerve impulses in the electric organ of Torpedo. Dunant Y, et al. **J Physiol (Lond)** 1982 Apr; 325:441–60
Cholinergic binding to the receptor proteolipid from Torpedo electroplax separated by ion exchange chromatography. Criado M, et al. **J Recept Res** 1980; 1(2):169–98
Interaction of tricyclic antidepressants with the ionic channel of the acetylcholine receptor of Torpedo electric organ. Shaker N, et al. **Mol Pharmacol** 1981 Nov;20(3):511–8
[Purification and S value determination of acetylcholinesterase from electric organ of electric skate (Narke japonica) from the Nanhai Sea (author's transl)] Cai LW, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Jun; 3(2):132–3 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Determination of delta psi, delta pH and the proton electrochemical gradient in isolated cholinergic synaptic vesicles. Angel I, et al. **Life Sci** 1981 Jul 27;29(4):411–6
Distribution of acetylcholinesterase molecular forms in brain, nerve and muscle tissue of Torpedo marmorata. Witzemann V, et al. **Neurosci Lett** 1981 Nov 4;26(3):313–8

TORSION

Behavior of internal tibial torsion in infancy. Katz JF. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):7–12

TORTICOLLIS

CHEMICALLY INDUCED

Chlorzoxazone-induced spasmotic torticollis [letter] Rosin MA. **JAMA** 1981 Dec 4;246(22):2575

COMPLICATIONS

Brain involvement in spasmodic torticollis. Kaste M, et al. **Acta Neurol Scand** 1981 Jun;63(6):373–80

CONGENITAL

Congenital muscular torticollis. A long-term follow-up. Canale ST, et al. **J Bone Joint Surg [Am]** 1982 Jul; 64(6):810–6
Congenital nystagmus: clinical types and their surgical treatment. Spielmann A. **Ophthalmologica** 1981; 182(2):65–72
[A young man with congenital, neglected muscular torticollis] Mencke HJ, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1604–6 (Eng. Abstr.) **(Dut)**
[Congenital muscular torticollis--surgical management and results] Tanabe G. **Nippon Seikeigeka Gakkai Zasshi** 1981 Aug;55(8):807–17 **(Jpn)**
[Congenital torticollis] Bondarenko NS. **Ortop Travmatol Protez** 1981 Oct;(10):65–72 **(Rus)**
[Congenital muscular torticollis due to sternocleidomastoid muscle aplasia] Veselovskiĭ IuA. **Ortop Travmatol Protez** 1981 Jan;(1):49–50 **(Rus)**

DIAGNOSIS

Spasmus nutans in identical twins. Katzman B, et al. **Ann Ophthalmol** 1981 Oct;13(10):1193–5
Electromyographic activity of neck muscles in patients affected by retrocollis under the influence of stimulation and coagulation of the prestitial nucleus of the midbrain. Hassler R, et al. **Appl Neurophysiol** 1981;44(5–6):291–301
Benign paroxysmal torticollis in infancy [letter] Casteels-Van Daele M. **Arch Dis Child** 1982 Aug;57(8):638
[Electromyographic evaluation of the conservative treatment results in spastic torticollis in children] Lagutina TS, et al. **Ortop Travmatol Protez** 1981 Sep;(9):45–6 **(Rus)**

DRUG THERAPY

Effect of L-glutamine and isoniazid on torticollis and segmental dystonia. Korein J, et al. **Ann Neurol** 1981 Sep; 10(3):247–50
Effect of L-tryptophan on spasmodic torticollis. Lal S, et al. **Can J Neurol Sci** 1981 Nov;8(4):305–8
What psychopharmacological and other nonsurgical treatments are available for spasmodic torticollis? Meyer D. **J Clin Psychopharmacol** 1981 Jul;1(4):244–5
Lisuride in generalised dystonia and spasmodic torticollis [letter] Bassi S, et al. **Lancet** 1982 Feb 27;1(8270):514–5

ENZYMOLOGY

Plasma dopamine-beta-hydroxylase activity in spasmodic torticollis. A sibship study. Friedman H, et al. **Neuropsychobiology** 1981;7(5):238–42

ETIOLOGY

Fetal head deformation and congenital torticollis associated with a uterine tumor. Romero R, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):839–40
Plagiocephaly causing superior oblique deficiency and ocular torticollis. A new clinical entity. Bagolini B, et al. **Arch Ophthalmol** 1982 Jul;100(7):1093–6
Ocular torticollis caused by refractive error. Krefman RA, et al. **Arch Ophthalmol** 1982 Aug;100(8):1278–9
Torticollis as the presenting sign in cervical spine infection and tumor. Visudhiphan P, et al. **Clin Pediatr (Phila)** 1982 Feb;21(2):71–6
[Muscular torticollis] **Z Orthop** 1981 Dec;119(6):742–60 **(Ger)**

FAMILIAL & GENETIC

Human leukocyte anitgen in torticollis and other idiopathic dystonic syndromes. Korein J, et al. **Ann Neurol** 1981 Dec; 10(6):573–5
Benign paroxysmal torticollis in infancy. Deonna T, et al. **Arch Dis Child** 1981 Dec;56(12):956–9
A new camptodactyly syndrome. Baraitser M. **J Med Genet** 1982 Feb;19(1):40–3

PATHOLOGY

Idiopathic torticollis: sternocleidomastoid myopathy and accessory neuropathy. Sarnat HB, et al. **Muscle Nerve** 1981 Sep-Oct;4(5):374-80

PHYSIOPATHOLOGY

Postural laterality in torticollis and torsion dystonia. Stejskal L, et al. **J Neurol Neurosurg Psychiatry** 1981 Nov; 44(11):1029-34

[Otoneurologic aspects of the pathogenesis and treatment of acute myalgias and disk diseases] Pichanič M. **Cesk Otolaryngol** 1982 Apr;31(2):86-92 (Eng. Abstr.) **(Slo)**

SURGERY

Treatment of neurogenic torticollis by microvascular lysis of the accessory nerve roots - indication, technique, and first results. Freckmann N, et al. **Acta Neurochir (Wien)** 1981;59(3-4):167-75

Technical aspects of selective peripheral denervation for spasmodic torticollis. Bertrand C, et al. **Appl Neurophysiol** 1982;45(3):326-30

Surgical possibilities for alleviation of axial dyskinesias - comparison with forced movements of the head and eyes. Stejskal L, et al. **Appl Neurophysiol** 1981;44(5-6):320-9

VOI thalamotomy in spasmodic torticollis. von Essen C, et al. **Appl Neurophysiol** 1980;43(3-5):159-63

Selective resection and denervation of cervical muscles in the treatment of spasmodic torticollis: results in 60 cases. Xinkang C. **Neurosurgery** 1981 Jun;8(6):680-8

THERAPY

Cause and treatment of spasmodic torticollis. Kits van Waveren LE. **Acta Neurochir (Wien)** 1982;61(1-3):127-37

Comprehensive management of spasmodic torticollis. Gildenberg PL. **Appl Neurophysiol** 1981;44(4):233-43

Torticollis and serendipity. Andrews HB, et al. **Arch Phys Med Rehabil** 1982 May;63(5):238-9

[Use of biofeedback in the treatment of spasmodic torticollis. Behavior psychotherapy (author's transl)] Pieters G, et al. **Acta Psychiatr Belg** 1981 May-Jun;81(3):321-34 (Eng. Abstr.) **(Fre)**

[Sector occlusion for torticollis] Berrondo P. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):223-5 **(Fre)**

[The frequency of complications after manipulation of the cervical spine (case report and epidemiology (author's transl)] Dvorak J, et al. **Praxis** 1982 Jan 12;71(2):64-9 (Eng. Abstr.) **(Ger)**

[Studies on the behavioral approaches in the treatment of spasmodic torticollis (author's transl)] Yamanaka T. **Igaku Kenkyu** 1980 Jan;50(1):73-108 (Eng. Abstr.) **(Jpn)**

[Treatment of spastic torticollis using short-term analytic orientation therapy] Bogunović D, et al. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):103-5 **(Scr)**

VETERINARY

[Torticollis in chickens caused by Pasteurella multocida (author's transl)] Glünder G, et al. **DTW** 1982 Jan 5; 89(1):34-6 (Eng. Abstr.) **(Ger)**

TORTURE see under **AGGRESSION**

TORULA see **CRYPTOCOCCUS**

TORULOPSIS

CLASSIFICATION

Torulopsis ethanolitolerans n. sp. and T. ethanolitolerans var. minor n. var. Rybářová J, et al. **Z Allg Mikrobiol** 1981; 21(10):739-42

[Janus green sensitivity as a criterion for differentiation of Candida parapsilosis, Torulopsis glabrata and Torulopsis candida (author's transl)] Sobczak H. **Mykosen** 1981 Dec; 24(12):731-42 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Control of the cell cycle of Candida utilis by external conditions. Vraná D, et al. **Folia Microbiol (Praha)** 1981; 26(5):382-7

[Effect of temperature on Candida utilis morphology and growth rate under limited and unlimited cultivation conditions] Samoilenko VA, et al. **Mikrobiologiia** 1981 Sep-Oct;50(5):873-7 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of Candida utilis daughter cells as a function of the specific growth rate of the culture] Vrana D. **Mikrobiologiia** 1981 May-Jun;50(3):504-7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Resistance to fluorouracil in Candida utilis: effects on the uptake of pyrimidines and amino acids. Wild DG, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:45-53

[A simple medium for 5-fluorocytosine sensitiving testing (author's transl)] Böhm W. **Dermatol Monatsschr** 1982 May; 168(5):317-20 **(Ger)**

[Action of ozone on the membrane-dependent functions of Candida utilis yeast cells] Konev SV, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):220-3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Properties of two urate oxidases modified by the covalent attachment of poly(ethylene glycol). Chen RH, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):293-8

Substrate-induced intramolecular proton transfer in 6-phosphogluconate dehydrogenase from Candida utilis. Dallocchio F, et al. **Biochim Biophys Acta** 1981 Nov 13; 662(1):163-4

Molecular forms of yeast acid phosphatase: cellular localization. Fernández MP, et al. **Cell Mol Biol** 1981; 27(2-3):113-8

Physicochemical properties and states of sulfhydryl groups of uricase from Candida utilis. Nishimura H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):41-8

Effect of the substrate on the binding of coenzyme and coenzyme analogues to 6-phosphogluconate dehydrogenase from Candida utilis. Dallocchio F, et al. **J Biol Chem** 1981 Nov 10;256(21):10778-80

Effects of chlorinated bisphenols on torula yeast glucose-6-phosphate dehydrogenase. Wang JL, et al. **J Toxicol Environ Health** 1981 Oct;8(4):639-48

[Effect of iron, actinomycin D and cycloheximide on the GTP-cyclohydrolase synthesis in flavinogenic yeasts] Logvinenko EM, et al. **Biokhimiia** 1982 Jan;47(1):28-31 (Eng. Abstr.) **(Rus)**

GENETICS

Protoplast fusion in the yeast Candida utilis. Delgado JM, et al. **Acta Microbiol Acad Sci Hung** 1981;28(4):339-45

Sulfur requirement of a diauxotrophic mutant of yeast Torulopsis bovina. Rao SP, et al. **Indian J Exp Biol** 1981 Nov;19(11):1081-2

GROWTH & DEVELOPMENT

PH and growth of Torulopsis pintolopesii in media containing various sugars as carbon and energy sources. Huelsmann C, et al. **Appl Environ Microbiol** 1981 Sep;42(3):554-5

Torulopsis apicola cytopathic effects on renal tissue cultures of primates. Murg B, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr-Jun; 40(2):155-62

Bioautography of carnitine derivatives: compounds in human semen possessing biological activity for a carnitine-requiring mutant of the yeast, Torulopsis bovina. Lewin LM, et al. **Clin Biochem** 1981 Dec;14(6):305-8

[Comparative study of 2 yeast strains in chemostat culture on a methanol medium] Denchev D, et al. **Acta Microbiol Bulg** 1980;7:55-62 (Eng. Abstr.) **(Bul)**

[Yeast growth under alternating temperature conditions and the possibility of originating thermotolerant forms] Pozmogova IN, et al. **Mikrobiologiia** 1981 Sep-Oct; 50(5):878-84 (Eng. Abstr.) **(Rus)**

[Periodic changes in the morphophysiological properties of chemostat culture of Candida utilis yeasts under alternating temperatures] Pozmogova IN, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):1072-9 (Eng. Abstr.) **(Rus)**

[Chemostat cultivation of Candida utilis yeasts under nonstationary temperature conditions] Pozmogova IN, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):236-9 (Eng. Abstr.) **(Rus)**

[Simultaneous action of environmental factors on Candida utilis growth in a chemostat culture] Shkidchenko AN, et al. **Mikrobiologiia** 1981 Sep-Oct;50(5):869-72 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Isolation and characterization of carbohydrate specific antibodies from anti-Candida utilis serum] Rademacher KH. **Z Allg Mikrobiol** 1982;22(2):123-6 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

[Ecological study of Torulopsis glabrata in a captive population of wild mammals (author's transl)] Saëz H, et al. **Mykosen** 1982 Mar;25(3):151-8 (Eng. Abstr.) **(Fre)**

METABOLISM

Sequential utilization of mixed monosaccharides by yeasts. Hsiao HY, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):840-5

Sophorolipids from Torulopsis bombicola: possible relation to alkane uptake. Ito S, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1278-83

The role of glutathione in amino-acid absorption. Lack of correlation between glutathione turnover and amino-acid absorption by the yeast Candida utilis. Robins RJ, et al. **Biochem J** 1981 Jan 15;194(1):63-70

Methionine degradation in Candida utilis. Benítez J, et al. **Folia Microbiol (Praha)** 1982;27(2):144-6

Methionine-defective mutants in Candida utilis. Delgado JM, et al. **Folia Microbiol (Praha)** 1981;26(3):184-8

The nucleotide sequence and codon recognition of proline tRNA from Torulopsis utilis. Ogawa K, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1241-8

Rate of arabinitol production by pathogenic yeast species. Bernard EM, et al. **J Clin Microbiol** 1981 Aug;14(2):189-94

[Assimilation of glucuronic and gluconic acids and ketogluconates by Torulopsis species] Blagodatskaia VM, et al. **Mikrobiologiia** 1981 Jul-Aug;50(4):598-602 (Eng. Abstr.) **(Rus)**

[Octanol oxidation by the mitochondria of Torulopsis candida] Il'chenko AP, et al. **Mikrobiologiia** 1981 Nov-Dec;50(6):964-72 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Age-related changes in the physiological state of budding yeast cells. Vraná D, et al. **Exp Cell Res** 1982 Mar; 138(1):57-62

[Electrokinetic properties of microorganisms as dependent on culture conditions] Tsvid EE, et al. **Mikrobiologiia** 1981 Jul-Aug;50(4):659-64 (Eng. Abstr.) **(Rus)**

TORULOSIS see **CRYPTOCOCCOSIS**

TOSYLARGININE METHYL ESTER see under **ARGININE**

TOSYLLYSINE CHLOROMETHYL KETONE see under **AMINO ACID CHLOROMETHYL KETONES**

TOSYLPHENYLALANYL CHLOROMETHYL KETONE see under **AMINO ACID CHLOROMETHYL KETONES**

TOTAL BODY IRRADIATION see **WHOLE BODY IRRADIATION**

TOTAL LUNG CAPACITY see under **LUNG VOLUME MEASUREMENTS**

TOUCH

Degeneration of mouse digital corpuscles. Idé C. **Am J Anat** 1982 Jan;163(1):59-72

Regeneration of mouse digital corpuscles. Idé C. **Am J Anat** 1982 Jan;163(1):73-85

Haptic equivalence matching of curvature by nonretarded and mentally retarded blind and sighted persons. Davidson PW, et al. **Am J Ment Defic** 1981 Nov;86(3):295-9

Adult performance on the Southern California Kinesthesis and Tactile Perception Tests. Hsu YT, et al. **Am J Occup Ther** 1981 Dec;35(12):788-91

The value of touch in psychotherapy. Wilson JM. **Am J Orthopsychiatry** 1982 Jan;52(1):65-72

Tactile and auditory stimuli repeated at high rates (30-50 per sec) produce similar event related potentials. Galambos R. **Ann NY Acad Sci** 1982;388:722-8

Research on tactile communication of speech: a review. Reed CM, et al. **ASHA Monogr** 1982 May;(20):1-23

Can passive touch be better than active touch? A comparison of active and passive tactile maze learning. Richardson BL, et al. **Br J Psychol** 1981 Aug;72(Pt 3):353-62

Effects of encoding and retrieval conditions on infants' recognition memory. MacKay-Soroka S, et al. **Child Dev** 1982 Jun;53(3):815-8

Effects of the similarity and dissimilarity between familiarization and test objects on recognition memory in infants following unimodal and bimodal familiarization. Rolfe SA, et al. **Child Dev** 1981;52(4):1308-12

Maternal touch at 1st contact with the newborn infant. Trevathan WR. **Dev Psychobiol** 1981 Dec;14(6):549-58

Contact-promoting behavior, social development, and relationship with parents in sibling juvenile degus (Octodon degus). Wilson SC. **Dev Psychobiol** 1982 May;15(3):257-68

Velocity-dependent suppression of cutaneous sensitivity during movement. Angel RW, et al. **Exp Neurol** 1982 Aug; 77(2):266-74

Handholding: one means of transcending barriers of communication. Knable J. **Heart Lung** 1981 Nov-Dec; 10(6):1106-10

Tactile artificial sight: segmentation of images for scene simplification. Pun T. **IEEE Trans Biomed Eng** 1982 Apr; 29(4):293-9

Electrocutaneous stimulation for sensory communication in rehabilitation engineering. Szeto AY, et al. **IEEE Trans Biomed Eng** 1982 Apr;29(4):300-8

Critical periods for the transmission of tactual information. Richardson BL, et al. **Int J Rehabil Res** 1981;4(2):175-9

Touch and action in group therapy of younger adolescents. Dunne C, et al. **J Adolesc** 1982 Mar;5(1):31-8

Selective associations in one-day-old rats: taste-toxicosis and texture-shock aversion learning. Gemberling GA, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):105-13

The ontogeny of feeding in rats: V. Influence of texture, home odor, and sibling presence on ingestive behavior. Johanson IB, et al. **J Comp Physiol Psychol** 1981 Dec; 95(6):837-47

Perceptual processing strategies in the cross-modal transfer of form discrimination: a developmental study. Coté JJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1340-8

Texture perception: studies of intersensory organization using a discrepancy paradigm, and visual versus tactual psychophysics. Lederman SJ, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):902-15

A wearable tactile sensory aid for profoundly deaf children. Saunders FA, et al. **J Med Syst** 1981;5(4):265-70

Tactile hallucinations: conceptual and historical aspects. Berrios GE. **J Neurol Neurosurg Psychiatry** 1982 Apr; 45(4):285-93

Evaluation of interpersonal touch by the sighted and the blind. Florez CA, et al. **J Soc Psychol** 1982 Apr;116(Second Half):229-34

The relationship between metaphorical and cross-modal

abilities: failure to demonstrate metaphorical recognition in chimpanzees capable of cross-modal recognition. Ettlinger G. **Neuropsychologia** 1981;19(4):583–6
Lateralized sensitivity to vibrotactile stimulation: individual differences revealed by interaction of threshold and signal detection tasks. Rhodes DL, et al. **Neuropsychologia** 1981; 19(6):831–5
Development of tactile-visual relations in lower-class children. Belmont I, et al. **Percept Mot Skills** 1982 Feb; 54(1):22
Lateralization of sensory and motor functions in human neonates. Cioni G, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1151–8
Sex differences in dichaptic processing. Dawson GD. **Percept Mot Skills** 1981 Dec;53(3):935–44
Hemispheric specialization for tactile-spatial processing in preschool children. Etaugh C, et al. **Percept Mot Skills** 1981 Oct;53(2):621–2
Auditory masking effects on lingual vibrotactile thresholds. Fucci D, et al. **Percept Mot Skills** 1982 Feb;54(1):251–6
Auditory masking effects on lingual vibrotactile thresholds as a function of age. Fucci D, et al. **Percept Mot Skills** 1982 Jun;54(3):943–50
Two-point tactual discrimination on the back: a signal-detection approach. Guyot GW, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1289–90
Orientation and tactile symbol recognition. Heller MA. **Percept Mot Skills** 1981 Oct;53(2):394
Dichaptic task performance as a function of ability pattern, sex, and hand preference. Posluszny R, et al. **Percept Mot Skills** 1981 Oct;53(2):435–8
Fingertip textural perception of normal children. Royeen CB. **Percept Mot Skills** 1982 Feb;54(1):323–30
Tactile sensitivity to two types of stimulation: continuous and discrete shifting of a point stimulus. Shimizu Y, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1111–8
Liking for touchers as a function of type of touch. Hewitt J. **Psychol Rep** 1982 Jun;50(3 Pt 1):917–8
Hemispheric differences in tactile and visual recognition of Braille-like stimulus patterns with static and dynamic modes of inspection. Schmidt JM, et al. **Psychol Res** 1981; 43(3):293–305
Somatosensory evoked potential changes with a selective attention task. Josiassen RC, et al. **Psychophysiology** 1982 Mar;19(2):146–59
An investigation of tactile hyperacuity. Loomis JM. **Sens Processes** 1979 Dec;3(4):289–302
A tactile approach to reading. Bradley L. **Spec Educ Forward Trends** 1981 Dec;8(4):32–6
Merkel cells in the outer follicular sheath. Santa Cruz DJ, et al. **Ultrastruct Pathol** 1982 Jan–Mar;3(1):59–63
[Speech and touch in gynecology] de Senarclens M, et al. **Rev Med Suisse Romande** 1982 Jan;102(1):13–20 **(Fre)**
[Corneal sensitivity after retinal reattachment operation] Binder S, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):149–54 (Eng. Abstr.) **(Ger)**
[Corneal sensitivity after photocoagulation for diabetic retinopathy] Riss B, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):143–7 (Eng. Abstr.) **(Ger)**
[Investigations under anesthesia on the effects of endogenous and exogenous factors on corneal sensitivity] Zistl A, et al. **Anthropol Anz** 1982 Jun;40(2):101–10 (Eng. Abstr.) **(Ger)**
[The function of visual imagery and effect of input modality in spatial transformation task by blind and sighted adults (author's transl)] Sasaki M. **Shinrigaku Kenkyu** 1981 Dec; 52(5):281–8 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effects of caffeine on tactile startle in rats. Ward HW, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):875–7

PHYSIOLOGY

Methods for intramodal and cross-modal investigation of rhythms (temporal patterns) in audition, vision and touch. Mavlov L, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(1):17–24
Vibrotactual choice reaction time, tactile receptor systems and ideomotor compatibility. ten Hoopen G, et al. **Acta Psychol (Amst)** 1982 Mar;50(2):143–57
Natural stimuli evoking somatosensory potentials. Starr A, et al. **Ann NY Acad Sci** 1982;388:702–6
Touch in primates. Darian-Smith I. **Annu Rev Psychol** 1982; 33:155–94
Touch-evoked thalamic cellular activity. The variable position of the anterior border of somesthetic SI thalamus and somatotopography. Hardy TL, et al. **Appl Neurophysiol** 1981;44(5–6):302–13
Effects of tactile startle on serotonin content of midbrain raphe neurons in rats. Geyer MA, et al. **Behav Brain Res** 1982 Apr;4(4):369–76
Effects of lidocaine on nipple attachment and home orientation by rat pups. Kenyon CA, et al. **Behav Neural Biol** 1981 Jun;32(2):261–4
A study of the sensory requirements for eliciting the pseudopregnancy response. Castro-Vasquez A, et al. **Brain Res** 1981 Dec 28;230(1–2):205–20
Electrophysiological evidence for the topographical arrangement of taste and tactile neurons in the facial lobe of the channel catfish. Marui T, et al. **Brain Res** 1982 Jan 7;231(1):185–90
Magnitude scaling of displacement and velocity of tactile stimuli applied to the human hand. Pubols BH Jr, et al. **Brain Res** 1982 Feb 11;233(2):409–13
The role of contact resistance in skin burns. Hatton AP, et al. **J Biomed Eng** 1982 Apr;4(2):97–102
Tactile spatial resolution. I. Two-point discrimination, gap detection, grating resolution, and letter recognition. Johnson KO, et al. **J Neurophysiol** 1981 Dec;46(6):1177–92
Tactile spatial resolution. III. A continuum mechanics model of skin predicting mechanoreceptor responses to bars, edges, and gratings. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1204–25
Tactile spatial resolution. II. Neural representation of Bars, edges, and gratings in monkey primary afferents. Phillips JR, et al. **J Neurophysiol** 1981 Dec;46(6):1192–203
Factors affecting cutaneous mechanoreceptor response. I. Constant-force versus constant-displacement stimulation. Pubols BH Jr. **J Neurophysiol** 1982 Mar;47(3):515–29
Factors affecting cutaneous mechanoreceptor response. II. Changes in mechanical properties of skin with repeated stimulation. Pubols BH Jr. **J Neurophysiol** 1982 Mar; 47(3):530–42
Morphology and distribution of touch cell terminals in the skin of the leech. Blackshaw SE. **J Physiol (Lond)** 1981 Nov;320:219–28
Can passive tactile perception be better than active [letter] Richardson BL, et al. **Nature** 1981 Jul 2;292(5818):90
Effect of denervation of the sinuous hairs on Merkel's tactile cells in the cat. Chelyshev YuA, et al. **Neurosci Behav Physiol** 1981 Sep–Oct;11(5):509–14
Responses of single receptor units of the rat mammary gland parenchyma to tactile stimulation. Grachev II, et al. **Neurosci Behav Physiol** 1981 Sep–Oct;11(5):482–7
Corneal sensitivity in pregnancy. Riss B, et al. **Ophthalmologica** 1981;183(2):57–62
Stuttering and oral stereognosis. Martin RR, et al. **Percept Mot Skills** 1981 Aug;53(1):155–62
Tactile extinction: distinguishing between sensorimotor and motor asymmetries in rats with unilateral nigrostriatal damage. Schallert T, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):455–62
Two-point discrimination assessment in the upper limb in young adult men and women. Nolan MF. **Phys Ther** 1982 Jul;62(7):965–9
Disruption of maternal retrieving by perioral anesthesia. Kenyon P, et al. **Physiol Behav** 1981 Aug;27(2):313–21
Strain differences in recovery from sensorimotor neglect after unilateral globus pallidus lesions in mice. Siegfried B, et al. **Physiol Behav** 1982 Feb;28(2):375–9
The effect of skin temperature on the perception of roughness. Green BG, et al. **Sens Processes** 1979 Dec; 3(4):327–33
[Tactile recognition and cognitive tasks. Preliminary results] De Bastiani P, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30; 57(6):666–71 (Eng. Abstr.) **(Ita)**
[Change in the tactile papillae of the human tongue in ontogenesis (according to scanning electron microscopic data)] Liubimova ZV. **Biull Eksp Biol Med** 1981 Nov; 92(11):629–31 (Eng. Abstr.) **(Rus)**
[Responses of neurons of the anterodorsal nucleus of the thalamus and comparative analysis of 3 limbic nuclei] Pakhotin PI, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):1038–47 (Eng. Abstr.) **(Rus)**
[Signs of pre-tuning in the dynamics of evoked activity and reaction time in children] Peresleni LI, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):209–17 (Eng. Abstr.) **(Rus)**

TOURNIQUETS

The effect of temporary venous occlusion on trace mineral concentrations in plasma. Juswigg T, et al. **Am J Clin Nutr** 1982 Aug;36(2):354–8
Effects of venous stasis on serum concentrations of thyroid hormones and their binding proteins. Hopton MR, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):134–5
Pneumatic ankle tourniquet: clinical and electrophysiologic study. Chu J, et al. **Arch Phys Med Rehabil** 1981 Nov; 62(11):570–5
Ischaemia after use of finger tourniquets [letter] Evans D. **Br Med J [Clin Res]** 1982 May 15;284(6327):1478–9
Tissue antibiotic levels with tourniquet use in orthopedic surgery. Katz JF, et al. **Clin Orthop** 1982 May;(165):261–4
A maneuver for improved positioning of a tourniquet in the obese patient. Krackow KA. **Clin Orthop** 1982 Aug; (168):80–2
An adaptive tourniquet for improved safety in surgery. McEwen JA, et al. **IEEE Trans Biomed Eng** 1982 Feb; 29(2):122–8
The tourniquet in operations on the knee: a review. Klenerman L. **J R Soc Med** 1982 Jan;75(1):31–2
Complications of and improvements in pneumatic tourniquets used in surgery. McEwen JA. **Med Instrum** 1981 Jul–Aug; 15(4):253–7
Lasso tourniquet for artificial erection in hypospadias. Ossandón F, et al. **Urology** 1982 Jun;19(6):656–7
[Experience in use of nylon Velcro tourniquet for hepatic surgery (author's transl)] Ma X. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):768–9 (Eng. Abstr.) **(Chi)**

ADVERSE EFFECTS

Tourniquet subclavian steal: brainstem ischemia and cortical blindness—clinical significance and testing. Carney AL, et al. **Adv Neurol** 1981;30:283–90
Tourniquet-induced hypertension. Kaufman RD, et al. **Br J Anaesth** 1982 Mar;54(3):333–6
Effect of tourniquet ischaemia on muscle energy metabolism in meniscectomy patients. Pääkkönen M, et al. **Br J Sports Med** 1981 Sep;15(3):167–71
Ischaemia after use of finger tourniquet. Dove AF, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1162–3
The effect of a thigh tourniquet on the incidence of deep venous thrombosis after operations on the fore part of the foot. Simon MA, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):188–91
The pathogenesis of pneumatic tourniquet paralysis in man. Yates SK, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep; 44(9):759–67
Hazard of pneumatic tourniquet application. Durkin MA, et al. **J R Soc Med** 1982 Aug;75(8):658–60
Massive pulmonary embolism: a complication of the technique of tourniquet ischemia. Estrera AS, et al. **J Trauma** 1982 Jan;22(1):60–2
Tourniquet-induced ischemia and somatosensory evoked potentials. Yamada T, et al. **Neurology (NY)** 1981 Dec; 31(12):1524–9
Extracellular potassium concentration and membrane potential in rabbit gastrocnemius muscle during tourniquet ischemia. Jennische E, et al. **Pflugers Arch** 1982 Feb; 392(4):335–9
[Protein catabolism and tourniquet shock: the role of proteolytic enzymes] Hörl M, et al. **Chirurg** 1982 Apr; 53(4):253–7 (Eng. Abstr.) **(Ger)**
[Treatment of the early homeostatic disorders by using cytochrome C, a sodium persulfate preparation and contrical in tourniquet shock] Levandovskii IV, et al. **Anesteziol Reanimatol** 1981 May–Jun;(3):60–3 (Eng. Abstr.) **(Rus)**

TOWN PLANNING see **CITY PLANNING**

TOXAPHENE see under **INSECTICIDES, ORGANOCHLORINE**

TOXASCARIASIS see under **ASCARIASIS**

TOXEMIA

see related
PREGNANCY TOXEMIAS

BLOOD

[Characteristics of the endotoxemia during cervical cancer radiation treatment] Gabelov AA, et al. **Med Radiol (Mosk)** 1981 Nov;26(11):19–23 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Clotting and other plasma factors in experimental endotoxemia: inhibition of degradation by exogenous proteinase inhibitors. Jochum M, et al. **Eur Surg Res** 1981; 13(2):152–68

COMPLICATIONS

Endotoxemia and hyperbilirubinemia in the neonate. Goldberg PK, et al. **Am J Dis Child** 1982 Sep;136(9):845–8
Endotoxins and the pathogenesis of hepatic and gastrointestinal diseases. Liehr H. **Ergeb Inn Med Kinderheilkd** 1982;48:117–93 (394 ref.)
[Toxic properties of the blood, immunoglobulin concentration and composition of the microflora of patients with acute suppurative processes in the lungs] Muromskii IuA, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):70–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of paromomycin sulfate on endotoxemia in patients with cirrhosis. Tarao K, et al. **J Clin Gastroenterol** 1982 Jun;4(3):263–7
[Effect of remantadine on the development of toxicoses caused by different strains of influenza virus] Kiseleva IV. **Vopr Virusol** 1981 Sep–Oct;(5):541–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Endogenous poisoning in the pathogenesis of post-resuscitation disease] Negovskii VA, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):27–31 **(Rus)**

METABOLISM

Evidence for pulmonary release of 5-hydroxyeicosatetraenoic acid (5-hete) during endotoxemia in unanesthetized sheep. Ogletree ML, et al. **Prostaglandins** 1982 Apr;23(4):459–68

PHYSIOPATHOLOGY

Prevention by granulocyte depletion of increased vascular permeability of sheep lung following endotoxemia. Heflin AC Jr, et al. **J Clin Invest** 1981 Nov;68(5):1253–60

Dissociation of systemic and renal effects in endotoxemia. Prostaglandin inhibition uncovers an important role of renal nerves. Henrich WL, et al. **J Clin Invest** 1982 Mar; 69(3):691–9

Myocardial protection with prostacyclin after lethal endotoxemia. Utsunomiya T, et al. **Surgery** 1982 Jul; 92(1):101–8

[Cholinesterase deficit and cardiovascular system functional changes in burn patients in the septicotoxemia stage] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1981 Sep; (9):37–40 (Eng. Abstr.) **(Rus)**

THERAPY

[Effect of transfusions of preserved blood of various storage ages on cholinesterase activity in patients with extensive burns in the septicotoxemia stage] Beliakov VA, et al. **Probl Gematol Pereliv Krovi** 1982 Jun;27(6):15–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Equine endotoxemia: an insight into cause and treatment. Moore JN, et al. **J Am Vet Med Assoc** 1981 Sep 1; 179(5):473–7 (21 ref.)

TOXICOLOGY

see related
POISONS

Single fiber electromyography. A method for the evaluation of motor axonopathy during toxicity studies in dogs. Schaeppi U, et al. **Agents Actions** 1981 Nov;11(5):510–4

Archaeological toxicology. Ericson JE, et al. **Ann NY Acad Sci** 1981;376:393–403

Screening for toxic effects on interspecies interactions: a mechanistic or an empirical approach? Hansen SR. **Arch Environ Contam Toxicol** 1981 Sep;10(5):597–603

Grants for training and research in toxicology. **Arch Toxicol** 1982 May;50(1):97–9

Critical evaluation of the toxicological documents produced for the authorization of drugs according to the Commission of the European Communities Directives. Claude JR. **Arch Toxicol [Suppl]** 1982;5:29–32

Animal clinical chemistry and haematology for the toxicologist. Fowler JS. **Arch Toxicol [Suppl]** 1982;5:152–9

Toxicology reference data for the Wistar rat. Lewi PJ, et al. **Arch Toxicol [Suppl]** 1982;5:271–6

The EEC policy in the hazard assessment of new chemicals. Smeets J. **Arch Toxicol [Suppl]** 1982;5:33–9

Statistical analysis and normality of selected hematologic and clinical chemistry measurements used in toxicologic studies. Weil CS. **Arch Toxicol [Suppl]** 1982;5:237–53

Development of the toxicological files in environmental chemicals data and information network (ECDIN). Penning W, et al. **Clin Toxicol** 1981 Oct;18(10):1169–81

Regulatory issues in toxic substances control legislation. Davies JC. **Dev Toxicol Environ Sci** 1980;8:429–39

The International Programme on Chemical Safety. Somers E. **Dev Toxicol Environ Sci** 1980;8:465–72

Toxicological aspects of European community legislation regarding new chemicals. Van Der Venne MT, et al. **Dev Toxicol Environ Sci** 1980;8:473–8

Effects of substituents on reactivity and toxicity of chemically reactive intermediates. Hanzlik RP. **Drug Metab Rev** 1982; 13(2):207–34 (51 ref.)

Conclusions and recommendations resulting from the Secotox Workshop 'Feasibility of Integrated Approaches to Testing of Chemicals, Kyoto, April 21–23, 1980'. van der Harst J, et al. **Ecotoxicol Environ Safety** 1981 Sep; 5(3):377–81

Target organ toxicity: immune system. Arlington, Virginia, October 20–21, 1980. **Environ Health Perspect** 1982 Feb; 43:1–135

Proceedings of the Symposium on Target Organ Toxicity: Eye, Ear and other Special Senses. February 2–3, 1981. Arlington, Virginia. **Environ Health Perspect** 1982 Apr; 44:1–195

New approaches to immunotoxicity testing. Archer DL. **Environ Health Perspect** 1982 Feb;43:109–13

Immune system as a target organ for toxicity. Bick PH. **Environ Health Perspect** 1982 Feb;43:3–7 (33 ref.)

Methods and approaches for assessing immunotoxicity: an overview. Dean JH, et al. **Environ Health Perspect** 1982 Feb;43:27–9

Epidemiological studies for regulatory agencies. Hunt VR. **Environ Health Perspect** 1981 Dec;42:61–5

Cell-mediated immunity and its application in toxicology. Luster MI, et al. **Environ Health Perspect** 1982 Feb;43:31–6 (21 ref.)

Immunotoxicology in the pharmaceutical industry. Norbury KC. **Environ Health Perspect** 1982 Feb;43:53–9

The rationality and relative contribution of histochemical approaches to pharmacology and toxicology. Wachsmuth ED. **Histochem J** 1981 Sep;13(5):793–7

Progress in forensic toxicology: beyond analytical chemistry. Finkle BS. **J Anal Toxicol** 1982 Mar–Apr;6(2):57–61

Gas–liquid chromatographic retention indices of 1318 substances of toxicological interest on SE-30 or OV-1 stationary phase. Ardrey RE, et al. **J Chromatogr** 1981 Dec 25;220(3):195–252 (39 ref.)

Toxicology and the dairy industry: will problems outrun solutions? Willett LB, et al. **J Dairy Sci** 1981 Jun; 64(6):1483–93

The rat as a model for human toxicological evaluation. Oser BL. **J Toxicol Environ Health** 1981 Oct;8(4):521–42

Carcinogen regulation [letter] **JAMA** 1982 Feb 12; 247(6):751–2

Value of toxicological investigation in the diagnosis of acute drug poisoning in children. Flanagan RJ, et al. **Lancet** 1981 Sep 26;2(8248):682–5

Principles and practice of recording data in toxicological pathology. Naylor DC. **Methods Inf Med** 1981 Jul; 20(3):142–6

Current trends in safety testing and toxicological research. Zbinden G. **Naturwissenschaften** 1982 Jun;69(6):255–9

Immunological aspects of toxicology. Chicago, Illinois, May 17–20, 1981. **Pharmacol Rev** 1982 Mar;34(1):1–151

The National Toxicology Program and immunological toxicology. Moore JA, et al. **Pharmacol Rev** 1982 Mar; 34(1):13–6

Conference on the ferret as an alternative species in teratology and toxicology. June 25–26, 1981, Stanford, California. **Teratology** 1981 Oct;24(2):1A–18A

Environmental toxicology, its history and future with special attention to the situation in the Netherlands. Koeman JH, et al. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:196–9

The LD50 test: some considerations of precision. Chanter DO, et al. **Toxicol Lett** 1982 Feb;10(2–3):303–7

Abstracts of the 1981 AACT/AAPCC/ABMT Scientific Meeting. **Vet Hum Toxicol** 1981 Oct;23(5):349–66

Proceedings of The 1981 annual scientific meeting. The American Academy of Clinical Toxicology, The American Association of Poison Control Centers, the American Board of Medical Toxicology. **Vet Hum Toxicol** 1981; 23(Suppl 1):1–64

A survey of compounds identified in a veterinary toxicology laboratory using GC/MS. Ray AC, et al. **Vet Hum Toxicol** 1981 Dec;23(6):418–20

An analysis of abstract contributions to our annual meetings. Robertson WO. **Vet Hum Toxicol** 1981;23(Suppl 1):31

Thin layer chromatography (TLC) applied to diagnostic toxicology. Stahr HM, et al. **Vet Hum Toxicol** 1981 Dec; 23(6):433–5

[Experience in electron-microscopic technique used in toxicological studies (author's transl)] Jiang XZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):177–9 **(Chi)**

[Mutagenicity tests in the toxicological evaluation of chemical agents, a report from the Public Health Council] Kramers PG, et al. **Ned Tijdschr Geneeskd** 1982 Feb 27; 126(9):392–3 **(Dut)**

[Multi-year projection 1982–1986. Projection Development Coordinating Committee on Pharmacology and Toxicology] **Tijdschr Diergeneeskd** 1981 Aug 15; 106(16):832–5 **(Dut)**

[2 years' experience with laboratory of chemical toxicology and pharmacology in the framework of emergency toxicology in Luxembourg] Wennig R. **Bull Soc Sci Med Grand Duche Luxemb** 1981;118(2):23–7 **(Fre)**

[Significance and importance of enzyme diagnosis in the framework of toxicological studies of plant protectives, pesticides and agents for biological process control] Plass R, et al. **Nahrung** 1981;25(1):71–81 (Eng. Abstr.) **(Ger)**

[Current views on the concept of toxicology] Berencsi G. **Z Gesamte Hyg** 1981;27(5):357–61 (0 ref.) (Eng. Abstr.) **(Ger)**

[The thermodynamic activity coefficient in pharmacology and toxicology] Toffoli C, et al. **Boll Chim Farm** 1981 May; 120(5):253–72 (Eng. Abstr.) **(Ita)**

[Work experience of an epidemiological health station toxicological laboratory] Perelatov VD, et al. **Gig Sanit** 1982 May;(5):79–81 **(Rus)**

[Reserves of hygienic toxicology] Shtabskiĭ BM **Gig Sanit** 1981 Dec;(12):53–5 **(Rus)**

[Parabiosis: the basis for general biological reactions to the harmful action of toxic substances] Atchabarov BA. **Gig Tr Prof Zabol** 1981 Sep;(9):26–31 **(Rus)**

ECONOMICS

Analysis of cost benefit of toxicology laboratory determinations. Robinson MC, et al. **Vet Hum Toxicol** 1981; 23(Suppl 1):26–9

EDUCATION

Toxicology and clinical toxicology in Uruguay. Comstock EG, et al. **Clin Toxicol** 1981 May;18(5):635–41

Teaching pharmacology and toxicology. Frens J. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:176–8

Evaluation of a toxicologic controversy in a clinical toxicology course. Czajka PA. **Vet Hum Toxicol** 1981 Apr; 23(2):108–9

HISTORY

Historical aspects of poisoning and toxicology. Eckert WG. **Am J Forensic Med Pathol** 1981 Sep;2(3):261–4

INSTRUMENTATION

Use of an electronic particle counter to determine the number of young Daphnia magna in ecotoxicological reproduction tests. Müller HG. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):440–1

[Determination of the time of death of animals in assessing the toxicity of the products of materials combustion] Ilichkin VS, et al. **Gig Tr Prof Zabol** 1981;(12):57–8 **(Rus)**

[Experimental device for simultaneous dynamic dosing of pesticide aerosols of specific dispersities, exposure to high temperatures and a particular dose of ultraviolet radiation] Sapegin DI, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):47–9 **(Rus)**

METHODS

Referring to the paper by Zbinden and Flury-Roversi. Significance of the LD50 test for toxicological evaluation of chemical substances [letter] Griffin JP. **Arch Toxicol** 1981 NOV;49(1):99–103

New toxicology for old. A critique of accepted requirements and methodology. Proceedings of the European Society of Toxicology. Dublin, August 17–19, 1981. **Arch Toxicol [Suppl]** 1982;5:1–394

The ferret for non-rodent toxicity studies – a pathologist's view. Beach JE. **Arch Toxicol [Suppl]** 1982;5:279–82

Measurement of urinary metabolites of xenobiotics as a non-invasive technique in toxicology. Breimer DD. **Arch Toxicol [Suppl]** 1982;5:162–78

Protocols for routine toxicity studies: a statistician's view. Chanter DO. **Arch Toxicol [Suppl]** 1982;5:40–4

Statistical analysis of behavioral toxicology data and studies. Gad SC. **Arch Toxicol [Suppl]** 1982;5:256–66

Assessment of mammalian toxicity of pesticides and other industrial chemicals--flexible guidelines or rigid protocols? Martin AD, et al. **Arch Toxicol [Suppl]** 1982;5:17–28

Toxicity testing in relation to aging. O'Malley K, et al. **Arch Toxicol [Suppl]** 1982;5:59–63

Newer diagnostic procedures in chronic toxicity studies in rats. Zbinden G. **Arch Toxicol [Suppl]** 1982;5:141–51

A technique for computer-controlled toxicant injection. Boling RH Jr. **Bull Environ Contam Toxicol** 1981 Dec; 27(6):773–4

Mechanisms of toxicity and hazard evaluation. Proceedings of the Second International Congress on Toxicology. Brussels, Belgium, July 6–11, 1980. **Dev Toxicol Environ Sci** 1980;8:1–665

Tier testing systems in toxicology and decision-making criteria for their use. Astill BD, et al. **Dev Toxicol Environ Sci** 1980;8:441–52

Toxicity testing, hazard assessment and data quality assurance for chemical regulatory purposes. Noel PR. **Dev Toxicol Environ Sci** 1980;8:453–63

Proposal for a short-term toxicity test with Artemia nauplii. Vanhaecke P, et al. **Ecotoxicol Environ Safety** 1981 Sep; 5(3):382–7

Dose-response analysis in animal studies: prediction of human responses. Alarie Y. **Environ Health Perspect** 1981 Dec; 42:9–13

Preclinical toxicological testing and safeguards in clinical trials. Grahame-Smith DG. **Eur J Clin Pharmacol** 1982; 22(1):1–6

An IARC appraisal of carcinogenicity testing [news] **Food Cosmet Toxicol** 1981 Dec;19(6):783–5

Risk assessment and regulatory decision making. Munro IC, et al. **Food Cosmet Toxicol** 1981 Oct;19(5):549–60

Development of a toxicity test system using primary rat liver cells. Inmon J, et al. **In Vitro** 1981 Nov;17(11):1004–10

Application of rat mast cell incubates as a possible short-time test for sensitizing occupational chemicals. Diel F, et al. **Int Arch Occup Environ Health** 1981;48(4):369–73

Optimization of thin layer chromatography for toxicological screening: applicability of shorter development distances. Franke JP, et al. **J Anal Toxicol** 1982 May–Jun;6(3):131–4

A rapid isolation technique for drugs from tissues and fluids: use of the Du Pont Prep 1 system. Balkon J, et al. **J Forensic Sci** 1982 Jan;27(1):23–31

The application of derivative UV-visible spectroscopy in forensic toxicology. Gill R, et al. **J Forensic Sci Soc** 1982 Apr;22(2):165–71

Human models for identification of photosensitizing chemicals. Kligman AM, et al. **JNCI** 1982 Jul;69(1):269–72

Dose/effect relationships in developmental neurotoxicology [editorial] Nelson BK. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):255

Procedures available to examine the immunotoxicity of chemicals and drugs. Dean JH, et al. **Pharmacol Rev** 1982 Mar;34(1):137–48 (75 ref.)

Methods currently used in the pharmaceutical industry for evaluating immunotoxic effects. Norbury KC. **Pharmacol Rev** 1982 Mar;34(1):131–6

Initiation/promotion assay for chemical carcinogens in rat liver. Herren SL, et al. **Toxicol Lett** 1982 Jul;12(2–3):143–50

Target organ toxicity. Heywood R. **Toxicol Lett** 1981 Aug; 8(6):349–58

The use of high-voltage electrophoresis in the toxicological chemistry of a clinical laboratory. Hofmann F, et al. **Z Med Lab Diagn** 1981;22(2):89–93

[Drug safety and therapeutic index / Principles of pharmacological screening and of the clinical transferability of animal experiments results (author's transl)] Schneider B. **Arzneimittelforsch** 1982;32(5):471–4 (Eng. Abstr.) **(Ger)**

[Selection of a statistical model for the evaluation of the reliability of the results of toxicological analyses. II. Selection of our statistical model for the evaluation] Antczak K, et al. **Med Pr** 1980;31(6):453–7 (Eng. Abstr.)

(Pol)
[Evaluation of the changes in the weight of animal internal organs in toxicological hygiene research] Tikhonov VN. **Gig Sanit** 1981 Jul;(7):58–9 **(Rus)**
[Reversible and irreversible effects: the basis for detecting the mechanisms of toxicity and establishing standards] Vainio H. **Gig Tr Prof Zabol** 1982 Jan;(1):44–6 **(Rus)**
[A methodological approach to evaluating the toxicity of chemical substances] Skender L.
Arh Hig Rada Toksikol 1981;32(3):287–94 (Eng. Abstr.) **(Scr)**
[Use of cell cultures in monitoring toxic and mutagenic effects of chemical substances present in the environment] Horáková K. **Cesk Fysiol** 1981;30(5):407–25 (118 ref.) **(Slo)**

STANDARDS

The Council of Europe approach to toxicity testing and toxicological evaluation. Gobinet G.
Arch Toxicol [Suppl] 1982;5:45–7
Plastics in medical tubing applications—manufacturing considerations. Vincent WW. **Biomaterials** 1981 Oct; 2(4):194–200
Some realities and results of proficiency testing of laboratories performing toxicological analyses. Mason MF. **J Anal Toxicol** 1981 Sep–Oct;5(5):201–8
[Toxicity criteria in the evaluation of the allergic effect of chemical substances] Vinogradov GI. **Vrach Delo** 1981 Oct; (10):97–9 **(Rus)**

TRENDS

[Clinical toxicology – medicine's stepchild] Daunderer M. **Med Klin** 1981 Dec 18;76(26):727–8 **(Ger)**
[Problems of present-day toxicology] Golikov SN. **Farmakol Toksikol** 1981 Nov–Dec;44(6):645–50 **(Rus)**

TOXIFERINE

A double-blind clinical trial comparing alcuronium with pancuronium. Schivute M, et al. **Acta Anaesthesiol Belg** 1982;33(1):23–31

ANALOGS & DERIVATIVES

Onset time for alcuronium and pancuronium after cremophor-containing anaesthetics. Gramstad L, et al. **Acta Anaesthesiol Scand** 1981 Dec;25(6):484–6
Haemodynamic responses to antagonism of pancuronium and alcuronium block. Heinonen J, et al.
Acta Anaesthesiol Scand 1981 Feb;25(1):1–5
Determination of alcuronium chloride in biological fluids by high-performance liquid chromatography. Parkin JE. **J Chromatogr** 1981 Sep 11;225(1):240–4
[Anaphylactic shock during general anaesthesia due to fentanyl and alloferin in a patient with positive skin test (author's transl)] Pevny I, et al. **Anaesthesist** 1981 Aug; 30(8):400–4 (Eng. Abstr.) **(Ger)**
[Does precurarization prevent the increase of serum potassium after administration of succinylcholine in risk patients? – a case report– (author's transl)] Brandt L, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):353–5 (Eng. Abstr.) **(Ger)**

TOXINS

Reduction of ricin and other plant toxins by thiol:protein disulfide oxidoreductases. Barbieri L, et al.
Arch Biochem Biophys 1982 Jun;216(1):380–3
Perturbations of charged phospholipid bilayers induced by melittin and cardiotoxins. A fluorescence, differential scanning calorimetry and Raman spectroscopy study. Faucon JF, et al. **Biochimie** 1981 Nov–Dec; 63(11–12):857–61
Uremic middle molecules [editorial] Chapman GV, et al. **Int J Artif Organs** 1981 Mar;4(2):52–3
Peritoneal dialysability of 'uraemic substances'. Taraba I, et al. **Int Urol Nephrol** 1981;13(2):193–8
Toxicity of ascitic fluid from pigs with hemorrhagic pancreatitis. Pullos T, et al. **J Surg Res** 1982 Aug; 33(2):136–9
The toxic lectin modeccin. Olsnes S, et al.
Methods Enzymol 1982;83 Pt D:357–62
Vascular stability and middle molecules removal in hypertonic haemodiafiltration. Cambi V, et al.
Proc Eur Dial Transplant Assoc 1981;18:681–9
4th European Symposium of Animal, Plant and Microbial Toxins. Marseilles, 24–27 June 1981. **Toxicon** 1982; 20(1):1–367

ADMINISTRATION & DOSAGE

[Immunotoxins (author's transl)] Richer G, et al.
Nouv Presse Med 1982 Apr 10;11(17):1321–4 (Eng. Abstr.) **(Fre)**

ANALYSIS

An automatic analytical system for quantitative determination of uremic middle molecules. Fürst P, et al.
Anal Biochem 1982 May 15;122(2):394–403
In vitro frog sural nerve test: a monitor for detecting neurotoxin solutes. Boudet J, et al. **Artif Organs** 1981;4 Suppl:94–7
An investigation into the toxic principle in eggs of the tick Amblyomma hebraeum. Neitz AW, et al.
Onderstepoort J Vet Res 1981 Jun;48(2):109–117
Isolation and partial characterization of a toxin from the venom of the East African orthognath spider Pterinochilus spec. Bachmann M. **Toxicon** 1982;20(3):547–52
A new type of toxin in the venom of snakes of the genus Atractaspis (Atractaspidinae). Kochva E, et al. **Toxicon** 1982;20(3):581–92

BLOOD

Plasma middle molecules in asymptomatic and 'sick' uremic patients. Asaba H, et al. **Artif Organs** 1981;4 Suppl:137–42
Blood levels of middle molecules and their effects on motor nerve conduction velocity. Botella J, et al. **Artif Organs** 1981;4 Suppl:151–5
Relationship between plasma concentration of middle molecular weight fraction b, motor nerve conduction velocity, and plasma creatinine in experimental chronic renal failure rats. Boudet J, et al. **Artif Organs** 1981;4 Suppl:115–8
Methodology for identification of serum middle molecules. Buzio C, et al. **Artif Organs** 1981;4 Suppl:22–7
Serum middle molecules in uremia. Buzio C, et al.
Artif Organs 1981;4 Suppl:143–50
Middle molecules in hepatic coma and uremia. Chang TM, et al. **Artif Organs** 1981;4 Suppl:169–72
Toxicity of middle molecules: clinical evaluation using a selective filtration artificial kidney. Jörstad S, et al.
Artif Organs 1981;4 Suppl:98–103
Gel-filtration on psoriasic and uremic serum and dialysis fluid. Lamperi S, et al. **Artif Organs** 1981;4 Suppl:156–9
Platelet function as an assay for uremic toxins. Lindsay RM, et al. **Artif Organs** 1981;4 Suppl:82–9
Middle molecule accumulation in uremia: an 'extra uremic factor'. Oulès R, et al. **Artif Organs** 1981;4 Suppl:177–83
Concentration of plasma middle molecular weight substances and clinical condition of patients undergoing short-time regular dialysis treatment. Válek A, et al. **Artif Organs** 1981;4 Suppl:173–6
Evaluation of blood toxicity in chronic uremia by an improved chromatographic method. Politi L, et al.
Clin Exp Dial Apheresis 1981;5(3):277–84
Uremic middle molecules in non-dialyzed azotemic patients: relation to symptoms and clinical biochemistries. Asaba H, et al. **Clin Nephrol** 1982 Feb;17(2):90–5
In vitro cytotoxic properties of plasma samples from uremic patients. Delaporte C, et al. **Clin Nephrol** 1982 May; 17(5):247–53
Analysis of small peptide in uremic serum by high-performance liquid chromatography. Mabuchi H, et al. **J Chromatogr** 1982 Mar 12;228:292–7
Erythrocyte transport of middle molecular substances. Gajdoš M, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:183–7
[Biochemical definition of uremia] Ringoir S.
Verh K Acad Geneeskd Belg 1981;43(2):105–19 **(Dut)**
[Comparative characteristics of the biological activity of ischemic toxin and its effect on plasma chemiluminescence] Vladimirov IuA, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):20–2 (Eng. Abstr.) **(Rus)**
[Diagnostic value of determining middle molecules in the blood plasma in nephrological diseases] Gabriélian NI, et al. **Klin Med (Mosk)** 1981 Oct;59(10):38–42 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Middle molecular weight substances in the cerebrospinal fluid of uremic patients. Sperschneider H, et al. **Clin Nephrol** 1982 Jun;17(6):298–302
[Analysis of middle molecules in the cerebrospinal fluid of uremic patients] Sperschneider H, et al.
Z Gesamte Inn Med 1981 Dec 1;36(23):926–30 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Formation of gizzard erosion-inducing substance in heated casein-histidine mixture. Miyazaki S, et al.
Natl Inst Anim Health Q (Tokyo) 1981 Winter;21(4):175–81

GENETICS

Yeast killer plasmid mutations affecting toxin secretion and activity and toxin immunity function. Bussey H, et al.
Mol Cell Biol 1982 Apr;2(4):346–54
Clarification on the guidelines for recombinant DNA experiments with genes coding for toxins for vertebrates. **Recomb DNA Tech Bull** 1981 Dec;4(4):197

IMMUNOLOGY

Fractions of middle molecular weight responsible for immunodeficiency in malnourished and burnt patients. Gay G, et al. **Artif Organs** 1981;4 Suppl:71–5
Effect of middle molecules on immunological functions. Navarro J, et al. **Artif Organs** 1981;4 Suppl:76–81
Burn toxin and its competitin. Rosenthal SR.
Burns Incl Therm Inj 1982 Jan;8(3):215–9
Antibody carriers of drugs and toxins in tumor therapy.
Immunol Rev 1982;62:1–216
Immunotoxins: hybrid molecules combining high specificity and potent cytotoxicity. Jansen FK, et al. **Immunol Rev** 1982;62:185–216 (55 ref.)
[Effect of uremia middle molecule serum on the proliferative activity of erythroid cells] Gudim VI, et al.
Probl Gematol Pereliv Krovi 1982 Feb;27(2):37–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Toxic substance from a natural bloom of Microcystis aeruginosa. Watanabe MF, et al.
Appl Environ Microbiol 1982 Apr;43(4):819–22
Antigenic characterization of urea-extractable crude burn toxin. Grzybowski J, et al.
Arch Immunol Ther Exp (Warsz) 1981;29(1):63–8
Studies on isolation of a toxic substance from human and animal skin burned in vitro. Kwiek S, et al.
Arch Immunol Ther Exp (Warsz) 1981;29(1):69–77
Separation, isolation, and identification of middle molecules. Bergström J, et al. **Artif Organs** 1981;4 Suppl:5–7
Large-scale isolation of middle and higher molecular weight uremic toxins. Brunner H, et al. **Artif Organs** 1981;4 Suppl:41–5
Uremic middle molecules: separation and quantitation. Chapman GV, et al. **Artif Organs** 1981;4 Suppl:160–5
Characterization of sub-peak b4.2, middle molecule. Cueille G, et al. **Artif Organs** 1981;4 Suppl:28–32
Technical aspects on middle molecules: separation, isolation, and identification. Cueille G, et al. **Artif Organs** 1981;4 Suppl:8–12
Continuous measurement of DTPA-clearance in extracorporeal detoxification circuits. Falkenhagen D, et al. **Artif Organs** 1981;4 Suppl:166–8
Middle molecule definition in terms of membrane permeability. Klein E. **Artif Organs** 1981;4 Suppl:46–50
Uremic middle molecules: analytical study of middle molecular weight fractions subpeak b4–2. Le Moel G, et al. **Artif Organs** 1981;4 Suppl:17–21
Carbohydrate content of middle molecular weight substances (MMWS) in uraemic patients: preliminary results. Le Moel G, et al. **Artif Organs** 1981;4 Suppl:37–40
Analytical study for separation of middle molecules. Saito A, et al. **Artif Organs** 1981;4 Suppl:13–6
Characterization of middle molecule compounds. Zimmerman L, et al. **Artif Organs** 1981;4 Suppl:33–6
Isolation of a group of glycolipid toxins from seedheads of annual ryegrass Lolium rigidum Gaud.) infected by Corynebacterium rathayi. Vogel P, et al.
Aust J Exp Biol Med Sci 1981 Aug;59(4):455–67
A mammal toxin derived from the venom of a chactoid scorpion. Lazarovici P, et al.
Comp Biochem Physiol [C] 1982;71(2):177–81
Purification, Identification and quantification of an Egg-weight-depressing factor (vicine) in fababeans (Vicia faba L.). Olaboro G, et al. **J Sci Food Agric** 1981 Dec; 32(12):1163–71
Purification and characterization of a toxin from brown recluse spider (Loxosceles reclusa) venom gland extracts. Babcock JL, et al. **Toxicon** 1981;19(5):677–89
[Immunological investigations of patients after thermic injury (author's transl)] Sauer H, et al. **Allerg Immunol (Leipz)** 1981;27(4):215–26 (Eng. Abstr.) **(Ger)**
[Use of immune sorption to isolate burn toxin] Movshev BE. **Vopr Med Khim** 1981;27(4):560–6 (Eng. Abstr.) **(Rus)**

METABOLISM

The middle molecule hypothesis in perspective. Babb AL, et al. **Am J Kidney Dis** 1981 Jul;1(1):46–50
Do middle molecules cause uremic intoxication? (Con). Kjellstrand CM. **Am J Kidney Dis** 1981 Jul;1(1):51–6
Barrier function of epithelia. Powell DW. **Am J Physiol** 1981 Oct;241(4):G275–88 (177 ref.)
Middle molecules in uremia and other diseases. Analytical techniques, metabolic toxicity, and clinical aspects. Proceedings of the symposium, November 28–29, 1980, Avignon, France. **Artif Organs** 1981;4 Suppl:1–192
Modeling of middle molecules in clinical studies. Gotch FA, et al. **Artif Organs** 1981;4 Suppl:133–6
Middle molecules and unanswered questions. Klinkmann H. **Artif Organs** 1981;4 Suppl:1–2
Renal handling of middle molecules in uremic patients and in the isolated rat kidney. Lustenberger N, et al.
Artif Organs 1981;4 Suppl:110–4
Transport of small, middle, and large molecular weight substances in a dual filtration artificial kidney. Smeby LC, et al. **Artif Organs** 1981;4 Suppl:104–9
Protective role of endogenous pulmonary glutathione and other sulfhydryl compounds against lung damage by alkylating agents. Investigations with 4-ipomeanol in the rat. Boyd MR, et al. **Biochem Pharmacol** 1982 Apr 15; 31(8):1579–83
Distribution and metabolism of the pulmonary alkylating agent and cytotoxin, 4-ipomeanol, in control and diethylmaleate-treated rats. Statham CN, et al.
Biochem Pharmacol 1982 Apr 15;31(8):1585–9
Structural models of the nicotinic acetylcholine receptor and its toxin-binding sites. Guy HR. **Cell Mol Neurobiol** 1981 Sep;1(3):231–58
Ipomeanol 4-glucuronide, a major urinary metabolite of 4-ipomeanol in the rat. Statham CN, et al.
Drug Metab Dispos 1982 May–Jun;10(3):264–7
Entry of the toxic proteins abrin, modeccin, ricin, and diphtheria toxin into cells. II. Effect of pH, metabolic

inhibitors, and ionophores and evidence for toxin penetration from endocytotic vesicles. Sandvig K, et al. **J Biol Chem** 1982 Jul 10;257(13):7504–13

Entry of the toxic proteins abrin, modeccin, ricin, and diphtheria toxin into cells. I. Requirement for calcium. Sandvig K, et al. **J Biol Chem** 1982 Jul 10;257(13):7495–503

In vitro metabolic activation of the pulmonary toxin, 4-ipomeanol, in nonciliated bronchiolar epithelial (Clara) and alveolar type II cells isolated from rabbit lung. Devereux TR, et al. **J Pharmacol Exp Ther** 1982 Jan; 220(1):223–7

Renal handling of uremic middle molecules. a study with the isolated perfused rat kidney. Schindhelm K, et al. **Nephron** 1982;30(2):166–72

[Lectins, toxins and immunotoxins] Uhlenbruck G. **Naturwissenschaften** 1981 Dec;68(12):606–12 (Eng. Abstr.) **(Ger)**

[Effect of low-molecular uremic toxins on the metabolic systems of human erythrocytes] Kopczyński Z. **Pol Tyg Lek** 1982 Mar 15;37(1):21–4 **(Pol)**

PHARMACODYNAMICS

Lectin and toxin-like activities of Entamoeba histolytica: comparison of properties. Kobiler D, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):955–9

In vitro cytotoxic properties of plasma fractions from uremic patients. Delaporte C, et al. **Artif Organs** 1981;4 Suppl:68–70

Glycolipid toxins from parasitised annual ryegrass: a comparison with tunicamycin. Vogel P, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):835–40

Effects of retinoids and phorbol esters on the sensitivity of different cell lines to the polypeptide toxins modeccin, abrin, ricin and diphtheria toxin. Sandvig K, et al. **Biochem J** 1981 Mar 15;194(3):821–7

Effect of dietary vicine and vitamin E supplementation on the productive performance of growing and laying chickens. Muduuli DS, et al. **Br J Nutr** 1982 Jan; 47(1):53–60

Interaction of ricin-sensitive and ricin-resistant cell lines with other carbohydrate-binding toxins. Sargiacomo M, et al. **FEBS Lett** 1982 May 3;141(1):14–8

Effects of peptide hormones on urea- and glycogen-synthesis of isolated hepatocytes and the influence of a toxic factor from burnt mouse and human skin. Schölmerich J, et al. **Horm Metab Res** 1982 Feb;14(2):80–4

Effects of toxin of red tide, Ptychodiscus brevis, on canine tracheal smooth muscle: a possible new asthma-triggering mechanism. Asai S, et al. **J Allergy Clin Immunol** 1982 May;69(5):418–28

Genetics of receptors for bioactive polypeptides: a variant of Swiss/3T3 fibroblasts resistant to a cytotoxic insulin accumulates lysosome-like vesicles. Miskimins WK, et al. **J Supramol Struct Cell Biochem** 1981;16(1):105–13

Characterization of the electrogenic sodium channel from rat brain membranes using neurotoxin-dependent 22Na uptake. Matthews JC, et al. **Membr Biochem** 1981; 4(2):71–104

Lipid-soluble toxins thought to be specific for Na+ channels block Ca2+ channels in neuronal cells. Romey G, et al. **Nature** 1982 May 6;297(5861):79–8

Effect of toxins isolated from the venom of the scorpion Centruroides sculpturatus on the Na currents of the node of Ranvier. Meves H, et al. **Pflugers Arch** 1982 Mar; 393(1):56–62

Chimeric toxins. Olsnes S, et al. **Pharmacol Ther** 1981; 15(3):355–81

Block of ionic and gating currents in node of Ranvier with oenanthotoxin. Dubois JM, et al. **Toxicon** 1982;20(1):49–55

Botulinum toxin type A: kinetics of calcium dependent paralysis of the neuromuscular junction and antagonism by drugs and animal toxins. Metezeau P, et al. **Toxicon** 1982;20(3):649–54

[Synergism of the action of gamma radiation and radiotoxins. 2. Its development, DNA synthesis and chromosome aberrations] Kuzin AM, et al. **Radiobiologiia** 1981 May–Jun; 21(3):348–51 **(Rus)**

PHYSIOLOGY

Metabolic actions of middle molecules. Dzúrik R, et al. **Artif Organs** 1981;4 Suppl:59–62

Potential role of middle molecular compounds in the development of uremic anemia. Leber HW, et al. **Artif Organs** 1981;4 Suppl:63–7

Some aspects of middle molecules toxicity. Rinaudo JB, et al. **Artif Organs** 1981;4 Suppl:90–3

[Effect of uremic toxins on the activity of transketolase in human erythrocytes] Kopczyński Z. **Pol Tyg Lek** 1981 Apr 20;36(16):553–5 (Eng. Abstr.) **(Pol)**

TOXICITY

The action of cardiotoxins on cardiac plasma membranes. Lazdunski M, et al. **Annu Rev Physiol** 1982;44:463–73 (64 ref.)

Toxicity studies of the toxins isolated from annual ryegrass (Lolium rigidum) infected by Corynebacterium rathayi. Berry PH, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):129–32

Sodium channels blocked by aphantoxin obtained from the blue-green alga, Aphanizomenon flos-aquae. Adelman WJ Jr, et al. **Toxicon** 1982;20(2):513–6

Isolation and characterization of a toxic protein from Canavalia ensiformis (jack bean) seeds, distinct from concanavalin A. Carlini CR, et al. **Toxicon** 1981; 19(5):667–75

Presynaptic actions of Mojave toxin isolated from Mojave rattlesnake (crotalus scutulatus) venom. Ho CL, et al. **Toxicon** 1981;19(6):889–92

[Action of a high-molecular toxin from burned skin on the hepatocyte lysosomal apparatus] Zaets TL, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):46–9 (Eng. Abstr.) **(Rus)**

URINE

Low-molecular-weight toxins in uraemia [letter] Taylor WH. **Lancet** 1982 Mar 13;1(8272):630

TOXOCARA

[Larval toxocariasis in the human. I. Parasite egg findings in Prague parks] Bozděch V. **Angew Parasitol** 1981 May; 22(2):71–7 **(Ger)**

DRUG EFFECTS

[Effect of various benzimidazole carbamates on somatic larvae of Ancylostoma caninum Ercolani 1859 (Ancylostomidae) and Toxacara canis Werner 1782 (Anisakidae). 2. Studies of pregnant bitches] Bosse M, et al. **Zentralbl Veterinarmed [B]** 1981;28(4):265–79 (Eng. Abstr.) **(Ger)**

[Effect of various benzimidazole carbamates on somatic larvae of Ancylostoma caninum Ercolani 1859 (Ancylostomidae) and Toxocara canis Werner 1782 (Anisakidae). 1. Studies in white mice] Stoye M, et al. **Zentralbl Veterinarmed [B]** 1981;28(3):226–40 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

A study on the morphology of early larval stages of Toxocara Cati (Schrank, 1788). Uhlíková M, et al. **Folia Parasitol (Praha)** 1982;29(2):165–6

IMMUNOLOGY

The effect of temperature and antimetabolites on antibody binding to the outer surface of second stage Toxocara canis larvae. Smith HV, et al. **Mol Biochem Parasitol** 1981 Dec; 4(3–4):183–93

Ocular toxocariasis presenting as leukocoria in a patient with low ELISA titer to Toxocara canis. Searl SS, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1302–6

[The larva precipitation test with Ascaris suum and Toxocara canis larvae] Matthes HF, et al. **Angew Parasitol** 1982 Feb; 23(1):1–8 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Toxocara ova in soil in the Mosul District, Iraq, and their relevance to public health measures in the Middle East. Woodruff AW, et al. **Ann Trop Med Parasitol** 1981 Oct; 75(5):555–7

North Island Kiwi, Apteryx australis mantelli (Apterygiformes: Aves): a new host for Toxocara cati (Nematoda: Ascaridoidea) in New Zealand. Clark WC, et al. **J Parasitol** 1982 Feb;68(1):175–6

Toxocariasis. A possible cause of the Palm Island mystery disease. Moorhouse DE. **Med J Aust** 1982 Feb 20; 1(4):172–3

PHYSIOLOGY

[Behavior of Toxocara canis Werner 1782 (Anisakidae) larvae during and following lung migration in the definitive host (beagle)] Manhardt J, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):386–406 (Eng. Abstr.) **(Ger)**

TOXOCARIASIS see under **ASCARIASIS**

TOXOIDS

The immunization of broiler chickens against type C botulism. Dohms JE, et al. **Avian Dis** 1982 Apr–Jun; 26(2):340–5

ADMINISTRATION & DOSAGE

Effects of immunization of horses with common antigen (OEP), protease toxoid, and elastase toxoid on corneal ulceration due to Pseudomonas aeruginosa infection. Ueda Y, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):289–300

ANALYSIS

[Production of an erythrocytic ganglioside diagnostic reagent for detecting cholera enterotoxin and toxoid in indirect hemagglutination tests] Dolmatova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):101–4 (Eng. Abstr.) **(Rus)**

GENETICS

Molecular organization of heat-labile enterotoxin genes originating in Escherichia coli of human origin and construction of heat-labile toxoid-producing strains. Yamamoto T, et al. **J Bacteriol** 1981 Dec;148(3):983–7

IMMUNOLOGY

Antigenicity of bacillary hemoglobinuria toxoids in cattle. Lozano EA. **Am J Vet Res** 1981 Sep;42(9):1641–4

The detection of the factor lowering the immunogenicity of toxoid of Clostridium perfringens type A. Shemanova GF, et al. **Arch Roum Pathol Exp Microbiol** 1981 Oct–Dec; 40(4):299–303

IgE antibody production to elastase toxoid of Pseudomonas aeruginosa in mice. Abe C, et al. **Jpn J Exp Med** 1981 Feb;51(1):71–3

Immune response of man to Habu-venom toxoid. Murata R, et al. **Jpn J Med Sci Biol** 1981 Aug;34(4):197–212

Effects of adjuvants on the immunogenicity of Habu-venom toxoid in the monkey and the guinea pig. Sadahiro S, et al. **Jpn J Med Sci Biol** 1981 Jun;34(3):169–73

Immunogenicity of purified Habu snake-venom toxoid in guinea pigs and monkeys with special reference to HR1 component. Sadahiro S, et al. **Jpn J Med Sci Biol** 1981 Aug;34(4):213–30

Intestinal antibody responses after immunisation with cholera B subunit. Svennerholm AM, et al. **Lancet** 1982 Feb 6; 1(8267):305–8

[Factors modulating production of antibodies against Clostridium perfringens in mammals] Shemanova GF, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):322–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Toxoid from exotoxin A of Pseudomonas aeruginosa: preparation and characterization. Pollack M, et al. **J Infect Dis** 1982 May;145(5):688–98

THERAPEUTIC USE

Longevity of protection by active immunization against necrotising enteritis in Papua New Guinea [letter] Davis M, et al. **Lancet** 1982 Aug 14;2(8294):389–90

TOXOPLASMA

ANALYSIS

X-ray electronmicroscopic analysis of Toxoplasma gondii. Akao S. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):407–12

[Binding of fluorescein-labelled lectins on trophozoites and cysts of 3 strains of Toxoplasma gondii] Derouin F, et al. **C R Soc Biol (Paris)** 1981;175(6):761–8 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Chemotherapeutic efficacy of some agents against experimental toxoplasmosis in mice. Gupta SL, et al. **Indian J Med Res** 1981 Nov;74:767–71

An in vitro study on the toxoplasmacidal activity of lonomycin A in host cells. Miyagami T, et al. **J Antibiot (Tokyo)** 1981 Feb;34(2):218–23

[Possibilities of disinfection in coccidiosis (Eimeria, Isospora, Toxoplasma, and Sarcocystis)] Barutzki D, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 15; 94(22):451–5 (Eng. Abstr.) **(Ger)**

[Cryopreservation of Toxoplasma gondii (endozoite) with the addition of dimethyl sulfoxide to the freezing medium] Brunner S, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jun 1;94(13):260–1 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Pyrimidine and purine enzymes in Toxoplasma gondii. O'Sullivan WJ, et al. **Aust J Exp Biol Med Sci** 1981 Dec; 59(Pt 6):763–7

GROWTH & DEVELOPMENT

Maintenance of Toxoplasma gondii in Vero cell line. Srinivasa H, et al. **Indian J Med Res** 1982 Apr;75:521–8

Effect of hydrocortisone on macrophage response to lymphokine. Masur H, et al. **Infect Immun** 1982 Feb; 35(2):709–14

Attempts to infect plant protoplasts with Toxoplasma gondii. Werk R, et al. **J Gen Microbiol** 1982 Jan;128 (Pt 1):211–3

Toxoplasma gondii: its effect on the ovine popliteal lymph node. Buxton D, et al. **J Med Microbiol** 1981 Nov; 14(4):435–42

Influence of monosaccharides on the infection of vertebrate cells by Trypanosoma cruzi and Toxoplasma gondii. Crane MS, et al. **Mol Biochem Parasitol** 1982 May;5(5):333–41

Sex determination and sex differentiation in Isospora (Toxoplasma) gondii. Cornelissen AW, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):594–6

Mouse spleen cell-derived toxoplasma growth inhibitory factor: its effect on toxoplasma multiplication in the mouse kidney cells. Matsumoto Y, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):383–91

Microbicidal activity of toxoplasma immune beagle plasma and lymphokines to toxoplasma multiplication in host cells. Takei Y, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):392–402

IMMUNOLOGY

Detection of toxoplasma antigen in tissues by means of

enzyme-linked immunosorbent assay (ELISA). van Knapen F, et al. **Am J Clin Pathol** 1982 Jun;77(6):755-7

Protective immunity against clinical toxoplasmosis in diary goats vaccinated with Hammondia hammondi and Hammondia heydorni. Dubey JP. **Am J Vet Res** 1981 Dec; 42(12):2068-70

Immune response to Toxoplasma gondii in man. I. Common idiotypic determinants of toxoplasma-specific human antibodies. de Saint-Basile G, et al. **Ann Immunol (Paris)** 1981 May-Jun;132 C(3):351-63

Hybridomas secreting monoclonal antibody to Toxoplasma gondii. Johnson AM, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):303-6

Antitoxoplasma antibodies in mothers in labour and their newborn children. Cacciapuoti B, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):121-8

Examination of ovine foetal fluid for antibodies to Toxoplasma gondii by the dye test and an indirect immunofluorescence test specific for IgM. Hunter D, et al. **Br Vet J** 1982 Jan-Feb;138(1):29-34

Congenital toxoplasmosis: a serologic screening of 963 mothers and their children at birth. Carosi G, et al. **Int J Biol Res Pregnancy** 1981;2(3):117-22

A serological survey of toxoplasmosis in food animals (cattle, sheep, goats and swine) in two northern states of Nigeria. Aganga AO, et al. **Int J Zoonoses** 1981 Jun;8(1):57-62

Prevalence of Toxoplasma gondii antibodies and oocysts in pound-source cats. Ladiges WC, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1334-5

Prevalence of toxoplasma IHA antibodies in healthy human subjects. Grover PS, et al. **J Assoc Physicians India** 1981 Sep;29(9):731-3

Role for endogenous and acquired peroxidase in the toxoplasmacidal activity of murine and human mononuclear phagocytes. Locksley RM, et al. **J Clin Invest** 1982 May;69(5):1099-111

Immunoglobulin M-immunosorbent agglutination assay for diagnosis of infectious diseases: diagnosis of acute congenital and acquired Toxoplasma infections. Desmonts G, et al. **J Clin Microbiol** 1981 Nov;14(5):486-91

Enzyme-linked immunosorbent assay for detection of immunoglobulin M antibodies against Toxoplasma gondii. Duermeyer W, et al. **J Clin Microbiol** 1980 Dec;12(6):805-6

Immunoglobulin G and immunoglobulin M polar staining of Toxoplasma gondii in the indirect immunofluorescence test. Franco EL, et al. **J Clin Microbiol** 1980 Dec; 12(6):780-4

Comparative study of three tests (dye test, indirect haemagglutination test, latex agglutination test) for the detection of antibodies to Toxoplasma gondii in human sera. Balfour AH, et al. **J Clin Pathol** 1982 Feb;35(2):228-32

Toxoplasma IHA antibodies in patients and healthy persons. Ichhpujani RL, et al. **J Commun Dis** 1980 Dec;12(4):201-4

Antibodies against some parasites of zoonotic importance in rodents caught in Port Said Governorate, A.R.E. Morsy TA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):147-56

Isolation and characterization of a monoclonal antibody-resistant antigenic mutant of Toxoplasma gondii. Kasper LH, et al. **J Immunol** 1982 Oct;129(4):1694-9

ELISA for antibody measurement: aspects related to data expression. Malvano R, et al. **J Immunol Methods** 1982; 48(1):51-60

Duration of IgM antibodies to Toxoplasma gondii after acute acquired toxoplasmosis. Naot Y, et al. **J Infect Dis** 1982 May;145(5):770

False-positive serological tests in heart transplant recipients [letter] Naot Y, et al. **Lancet** 1981 Sep 12;2(8246):590-1

Toxoplasmacidal activity of Toxoplasma immune beagle plasma and hydrolyzed plasma lymphokine-like peptide (HP-LKLP) in homologous and heterologous cells. Nagasawa H, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):947-50

An investigation of the antigenic structure of Toxoplasma gondii. Hughes HP, et al. **Parasite Immunol** 1981 Autumn; 3(3):235-48

Serological survey of toxoplasmosis in Riyadh, Saudi Arabia, using the indirect haemagglutination test. Chowdhury MN. **Trop Geogr Med** 1982 Mar;34(1):35-7

Studies on antibody levels to Brucella abortus, Toxoplasma gondii and Leptospira serogroups in sera collected in five locations of the North Island of New Zealand. Metcalfe RV, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):543-56

Protective reaction against malaria infection in mice sensitized with Frozen-thawed toxoplasma tachyzoites. Omata Y, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 250(1-2):223-35

Production and properties of Toxoplasma growth inhibitory factor (Toxo-GIF) and interferon (IFN) in the lymphokines and the circulation of Toxoplasma immune mice. Sakurai H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(1):134-43

[Latex reaction with toxoplasmosis antigen (author's transl)] Bozděch V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):359-65 (Eng. Abstr.) **(Cze)**

[Isolation of 'Toxoplasma gondii' membrane antigens using latex microspheres (author's transl)] Mauras G, et al. **Ann Immunol (Paris)** 1981 Mar-Apr;132(2):219-30 (Eng. Abstr.) **(Fre)**

[Eimeriidae and helminths of swine and wild boar in Belgium. Incidence of antitoxoplasmic antibodies] Cotteleer C, et al. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):37-47 (Eng. Abstr.) **(Fre)**

[Immunization trials in mice against Toxoplasma gondii using attenuated oocysts] Leier H, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):151-4 (Eng. Abstr.) **(Ger)**

[Indirect hemagglutination test (IH) for checking the immune state towards Toxoplasma gondii] Nigro GA. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1247-53 (Eng. Abstr.) **(Ita)**

[Toxoplasma gondii: phenomenon of polar fluorescence of trophozoites, its nature and frequency] Durko M, et al. **Med Dosw Mikrobiol** 1981;33(1):61-6 (Eng. Abstr.) **(Pol)**

[Intracutaneous Toxoplasma allergen test and the complement fixation test in various types of somatic pathology in children] Lysaia MS. **Pediatriia** 1981 Jul; (7):38-40 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Characterization of Toxoplasma gondii isolates from an outbreak of toxoplasmosis in Atlanta, Georgia. Dubey JP, et al. **Am J Vet Res** 1981 Jun;42(6):1007-10

Isolation of Toxoplasma gondii from the saliva and tonsils of a three-year-old child. Amendoeira MR, et al. **J Infect Dis** 1982 Apr;145(4):587

[Isolation of 'Toxoplasma gondii' from saliva of rabbits (author's transl)] Terragna A, et al. **Ann Sclavo** 1981 Jul-Aug;23(4):477-85 (Eng. Abstr.) **(Ita)**

METABOLISM

Toxoplasma gondii: purine synthesis and salvage in mutant host cells and parasites. Schwartzman JD, et al. **Exp Parasitol** 1982 Feb;53(1):77-86

PATHOGENICITY

A comparative ultrastructural study of the low virulent strain PV-C1/81 and RH strain cultured in A9, Vero, SIRC cell lines. Rondanelli EG, et al. **Int J Biol Res Pregnancy** 1981; 2(3):134-41

[Mechanism of the persistence of a less virulent strain of Toxoplasma gondii in the body of the host] Savina MA. **Parazitologiia** 1981 Sep-Oct;15(5):430-5 (Eng. Abstr.) **(Rus)**

[Natural adaptation of the white rat to Toxoplasma gondii] Chinchilla M, et al. **Rev Biol Trop** 1981 Dec;29(2):273-82 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Comparison of the development of avirulent and virulent strains of Toxoplasma gondii in the peritoneal exudate of mice. Ferguson DJ, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):539-46

Toxoplasma gondii: calcium ionophore A23187-mediated exit of trophozoites from infected murine macrophages. Endo T, et al. **Exp Parasitol** 1982 Apr;53(2):179-88

Histological and ultrastructural studies of the interaction of Toxoplasma gondii Tachyzoites with mouse omentum in experimental infection. Khavkin T. **J Protozool** 1981 Aug; 28(3):317-25

Vertebrate cell cycle modulates infection by protozoan parasites. Dvorak JA, et al. **Science** 1981 Nov 27; 214(4524):1034-6

Infection of murine peritoneal macrophages with Toxoplasma gondii exposed to ultraviolet light. Endo T, et al. **Z Parasitenkd** 1981;65(2):121-9

ULTRASTRUCTURE

Fine structural study of a Toxoplasma strain from the roe deer. Entzeroth R, et al. **Z Parasitenkd** 1981;66(1):109-12

Hypertrophy of acridine orange granules in Toxoplasma gondii. Koyama T, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):413-6

TOXOPLASMOSIS

Toxoplasmosis. Sikes RK. **J Am Vet Med Assoc** 1982 Apr 15;180(8):857-9

[Toxoplasmosis. Epidemiology, clinical aspects and diagnosis] Scalise G, et al. **Minerva Med** 1982 Apr 7; 73(15):917-21 (47 ref.) **(Ita)**

[2 cases of congenital toxoplasmosis] D'Avanzo M, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):69-86 (19 ref.) **(Ita)**

COMPLICATIONS

Toxoplasmosis and habitual abortion. Our experience. Giorgino FL, et al. **Clin Exp Obstet Gynecol** 1981; 8(3):132-4

Toxoplasma, Toxocara, and epilepsy. Critchley EM, et al. **Epilepsia** 1982 Jun;23(3):315-21

Toxoplasma gondii as a cause of rheumatoid arthritis. Tomairek HA, et al. **J Egypt Soc Parasitol** 1982 Jun; 12(1):17-23

Kaposi's sarcoma and toxoplasma gondii brain abscess in a Spanish homosexual [letter] Vilaseca J, et al. **Lancet** 1982 Mar 6;1(8271):572

Cholestatic jaundice due to toxoplasma hepatitis. Tiwari I, et al. **Postgrad Med J** 1982 May;58(679):299-300

Toxoplasmosis as an unusual cause of massive lymph node enlargement. Jacobs P. **S Afr Med J** 1981 Nov 14; 60(20):784-5

[Association of dermatomyositis, toxoplasmosis and tuberculosis] Mazabrey D, et al. **Ann Dermatol Venereol** 1982;109(3):277-80 **(Fre)**

[Pediatric polymyositis with positive toxoplasma serology (letter)] Menkes CJ, et al. **Nouv Presse Med** 1982 May 22; 11(24):1878 **(Fre)**

DIAGNOSIS

Pancarditis in acute toxoplasmosis. Cunningham T. **Am J Clin Pathol** 1982 Sep;78(3):403-5

DIG-ELISA for the serologic diagnosis of toxoplasmosis. Cursons RT. **Am J Clin Pathol** 1982 Apr;77(4):459-61

The enzyme-linked immunosorbent assay (ELISA) in the diagnosis of toxoplasmosis. Adorisio E, et al. **Biochem Exp Biol** 1980;16(3):315-6

Antitoxoplasma antibodies in mothers in labour and their newborn children. Cacciapuoti B, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):121-8

A new complement fixation test for toxoplasmosis. Comparison with other serological methods. Filice G, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):129-36

Toxoplasma gondii infection of the central nervous system. Use of the peroxidase-antiperoxidase method to demonstrate toxoplasma in formalin fixed, paraffin embedded tissue sections. Conley FK, et al. **Hum Pathol** 1981 Aug;12(8):690-8

Diagnostic protocols for lymphoglandular toxoplasmosis. Carosi G, et al. **Int J Biol Res Pregnancy** 1981;2(3):128-33

Reliability of IgM-IFA and IgM-IHA tests on pure IgM fractions obtained by a simple gel filtration method in acquired and congenital toxoplasmosis. Filice G, et al. **Int J Biol Res Pregnancy** 1981;2(3):114-6

Evaluation of the dye test, IgM-IFAT, and ELISA for the diagnosis of toxoplasmic infection in pregnancy. Jannuzzi C, et al. **Int J Biol Res Pregnancy** 1981;2(3):123-7

Toxoplasmosis and pregnancy: the prevention of congenital toxoplasmosis. Rondanelli EG, et al. **Int J Biol Res Pregnancy** 1981;2(3):104-13

Immunoglobulin M-immunosorbent agglutination assay for diagnosis of infectious diseases: diagnosis of acute congenital and acquired Toxoplasma infections. Desmonts G, et al. **J Clin Microbiol** 1981 Nov;14(5):486-91

Comparative study of three tests (dye test, indirect haemagglutination test, latex agglutination test) for the detection of antibodies to Toxoplasma gondii in human sera. Balfour AH, et al. **J Clin Pathol** 1982 Feb;35(2):228-32

A standardized enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to Toxoplasma gondii. Mondesire RR, et al. **J Immunoassay** 1981; 2(1):45-57

Isolation of Toxoplasma gondii from the saliva and tonsils of a three-year-old child. Amendoeira MR, et al. **J Infect Dis** 1982 Apr;145(4):587

Acquired toxoplasmosis of the nervous system. Kaeser HE, et al. **Riv Neurobiol** 1981 Jan-Mar;27(1):7-14

[Toxoplasmosis and its serological diagnosis and prevention (author's transl)] Xue CL. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):429-32 **(Chi)**

[Latex reaction with toxoplasmosis antigen (author's transl)] Bozděch V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):359-65 (Eng. Abstr.) **(Cze)**

[Results gained by serological tests for toxoplasmosis in genetic female patients (author's transl)] Fuchs VI, et al. **Cesk Gynekol** 1981 Feb;46(1):7-11 (Eng. Abstr.) **(Cze)**

[Pseudotumours of toxoplasmatic origin in female breast (author's transl)] Kouba K, et al. **Cesk Gynekol** 1981 Jun; 46(5):365-72 (Eng. Abstr.) **(Cze)**

[The enzyme linked immuno-sorbent assay (ELISA) method applied for human toxoplasmosis diagnosis (author's transl)] Hanna SM. **Pathol Biol (Paris)** 1982 Feb;30(2):97-101 (Eng. Abstr.) **(Fre)**

[Use of the ELISA (enzyme-linked immunosorbent assay) method in detection of anti-toxoplasma IgG and IgM] Brocchi E, et al. **Boll Ist Sieroter Milan** 1981;60(6):498-507 (Eng. Abstr.) **(Ita)**

[Value of the routine use of the Sabin-Feldman dye test in females] Ragucci N, et al. **Minerva Ginecol** 1980 Dec; 32(12):1148-52 **(Ita)**

[Diagnostic problems related to toxoplasmic infections. Evaluation of specific immunoglobulins by immunoadsorption as compared with other methods] Zotti C, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):86-99 **(Ita)**

[Serological tests for toxoplasmosis and listeria infection in mothers of children with abnormalities] Podgórnik F. **Ginekol Pol** 1981 Aug;52(8):709-14 (Eng. Abstr.) **(Pol)**

[Lymphonodal form of acquired toxoplasmosis in a 10-year-old boy] Holtorp-Tyszkiewiczowa J, et al. **Pediatr Pol** 1981 Nov-Dec;56(11-12):1365-8 **(Pol)**

[Various aspects of acquired toxoplasmosis] Januszkiewicz J, et al. **Przegl Epidemiol** 1981;35(1):9-17 (Eng. Abstr.) **(Pol)**

[Interpretation of the results of the serological tests in toxoplasmosis] Rydzewski A, et al. **Przegl Epidemiol** 1981; 35(1):19-24 (Eng. Abstr.) **(Pol)**

[Results of indirect immunofluorescent reactions for toxoplasmosis in 6079 ambulatory patients or pregnant women in Rio de Janeiro during the years 1971 to 1977] Coutinho SG, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar-Apr;23(2):48-56 (Eng. Abstr.) **(Por)**

[Value of lymph node biopsy in the diagnosis of toxoplasmic

lymphadenitis] Gavriliță L, et al.
Rev Med Chir Soc Med Nat Iasi 1981;85(1):105–8 (Eng. Abstr.) **(Rum)**

[Diagnosis and treatment of toxoplasmosis in children] Luk'ianova TA, et al. **Pediatriia** 1981 Oct;(10):49–51 **(Rus)**

[Intracutaneous Toxoplasma allergen test and the complement fixation test in various types of somatic pathology in children] Lysaia MS. **Pediatriia** 1981 Jul;(7):38–40 (Eng. Abstr.) **(Rus)**

[Toxoplasmosis in otorhinolaryngology] Rustamov FN. **Vestn Otorinolaringol** 1982 May–Jun;(3):66–70 (Eng. Abstr.) **(Rus)**

[Acquired toxoplasmosis as a diagnostic problem] Petrović R, et al. **Srp Arh Celok Lek** 1980 May;108(5):523–5 (Eng. Abstr.) **(Scc)**

[Toxoplasmosis: a major public health issue (author's transl)] Konjević P. **Liječ Vjesn** 1981;103(4–5):133–6 (Eng. Abstr.) **(Scr)**

[Practical aspects in the immunodiagnosis of toxoplasmosis (author's transl)] Knierim F, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):62–6 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Trimethoprim-sulfamethoxazole in the treatment of malaria, toxoplasmosis, and pediculosis. Hutchinson DB, et al.
Rev Infect Dis 1982 Mar–Apr;4(2):419–25 (18 ref.)

[Further experience with the treatment of the gynaecological form of toxoplasmosis (author's transl)] Pruklová A, et al. **Cesk Gynekol** 1982 Jun;47(5):334–9 (Eng. Abstr.) **(Cze)**

[Treatment of toxoplasmosis. present knowledge and problems (author's transl)] Russo M, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):877–88 (Eng. Abstr.) **(Ita)**

[Prevention and chemotherapy of toxoplasmosis] Zardi O, et al. **Clin Ter** 1981 Oct 15;99(1):3–23 (99 ref.) (Eng. Abstr.) **(Ita)**

[Use of tindurine for treating toxoplasmic myocarditis in adults] Vinogradov AV, et al. **Kardiologiia** 1982 Apr; 22(4):9–11 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Toxoplasmosis. Its etiology, pathogenesis and clinical aspects] Dziubek Z. **Pol Tyg Lek** 1982 Mar 15;37(1):25–9 **(Pol)**

FAMILIAL & GENETIC

Concomitant cases of acquired toxoplasmosis in children of a single family: evidence of reinfection. Coutinho SG, et al. **J Infect Dis** 1982 Jul;146(1):30–3

IMMUNOLOGY

Recency of Toxoplasma gondii infections correlated with results obtained in dye test and enzyme-linked immunosorbent assay. Pettersen EK.
Acta Pathol Microbiol Scand [B] 1981 Dec;89(6):407–10

The behaviour of antitoxoplasmic antibodies during pregnancy. Zardi O, et al. **Biochem Exp Biol** 1980; 16(3):295–9

Toxoplasmosis serologic survey in Puerto Rico: a study of a normal population and chronic renal patients. Ramírez Ronda CH, et al. **Bol Asoc Med PR** 1981 Jun;73(6):263–8

Toxocaral and toxoplasmal antibodies in cat breeders and in Icelanders exposed to cats but not to dogs. Woodruff AW, et al. **Br Med J [Clin Res]** 1982 Jan 30; 284(6312):309–10

Natural killer cells induced by acute and chronic toxoplasma infection. Hauser WE Jr, et al. **Cell Immunol** 1982 May 15;69(2):330–46

Immunological studies of toxoplasmosis in case of abortion. Mahajan RC, et al. **Indian J Pathol Microbiol** 1981 Jul; 24(3):165–9

Chronological development of cellular immunity in human toxoplasmosis. Johnson WD Jr. **Infect Immun** 1981 Sep; 33(3):948–9

Enzyme-linked immunosorbent assay (ELISA) using antibody class capture for the detection of antitoxoplasma IgM. Payne RA, et al. **J Clin Pathol** 1982 Aug;35(8):892–6

The prevelance of toxoplasma antibodies in human females in the reproductive period at Cairo. Fikry MF, et al.
J Egypt Public Health Assoc 1980;55(1–2):23–35

Duration of IgM antibodies to Toxoplasma gondii after acute acquired toxoplasmosis. Naot Y, et al. **J Infect Dis** 1982 May;145(5):770

[Toxoplasmosis in pregnancy] Wardęcka J, et al.
Wiad Lek 1982 May 15;35(5):309–13 (Eng. Abstr.) **(Pol)**

[Serological conversion for toxoplasmosis in children of a health center of São Paulo] Jamra LM, et al.
Rev Inst Med Trop Sao Paulo 1981 May–Jun;23(3):133–7 (Eng. Abstr.) **(Por)**

METABOLISM

[Hyaluronidase and acid mucopolysaccharide activity in the placentas of women with toxoplasmosis] Eliseeva LG, et al. **Lab Delo** 1982;(6):13–4 **(Rus)**

OCCURRENCE

Common source epidemics II: toxoplasmosis in Atlanta. Shonkwiler R, et al. **Bull Math Biol** 1982;44(3):377–98

Congenital toxoplasmosis: a serologic screening of 963 mothers and their children at birth. Carosi G, et al.
Int J Biol Res Pregnancy 1981;2(3):117–22

The epidemiology of toxoplasmosis [editorial] **Lancet** 1981 Nov 21;2(8256):1148–9

Central-nervous-system toxoplasmosis in homosexual and heterosexual adults [letter] Hauser WE, et al.
N Engl J Med 1982 Aug 19;307(8):498–9

[A preliminary report on the prevalence of sabin-feldman dye-test antibodies in the sera of an adult population (author's transl)] Yang SS.
Chung Hua I Hsueh Tsa Chih 1981 Aug;61(8):482–4 **(Chi)**

[Preliminary investigation on toxoplasmosis in Beijing District (author's transl)] Cao WJ.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Jan;15(1):6–8 **(Chi)**

[Toxoplasmosis in Martinique: epidemiological considerations] Magnaval JF, et al.
Bull Soc Pathol Exot Filiales 1981 May–Jun;74(3):292–7 (Eng. Abstr.) **(Fre)**

[Serological studies of the diffusion of toxoplasmosis in a sample of the population of northern Italy] Fiori GP, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec; 73(7–12):299–316 (Eng. Abstr.) **(Ita)**

[Toxoplasmosis in patients of a gynecologic-obstetric outpatient clinic in Tarnów] Podgórnik F. **Pol Tyg Lek** 1982 Mar 15;37(1):1–3 (Eng. Abstr.) **(Pol)**

[Epidemiological aspects of toxoplasmosis in Leningrad and Leningrad Province] Riabova LF. **Tr Inst Pastera** 1980; 55:70–4 **(Rus)**

PARASITOLOGY

Toxoplasmosis update and public health implications. Fayer R. **Can Vet J** 1981 Nov;22(11):344–52

PATHOLOGY

Polymyositis and toxoplasmosis. Karasawa T, et al.
Acta Pathol Jpn 1981 Jul;31(4):675–80

Malignant lymphoma simulating lymph node toxoplasmosis. Miettinen M, et al. **Histopathology** 1982 Mar;6(2):129–40

[Pulmonary form of toxoplasmosis in children] Mitinskaia LA, et al. **Probl Tuberk** 1981 Jun;(6):31–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Congestive cardiomyopathy of toxoplasmic etiology] Novikov FE, et al. **Kardiologiia** 1982 Apr;22(4):106–8 **(Rus)**

RADIOGRAPHY

Computed tomography in opportunistic cerebral toxoplasmosis: report of two cases. Alenghat JP, et al.
Comput Tomogr 1981 Jul–Sep;5(3):231–7

THERAPY

[Complex treatment of toxoplasmosis meningoencephalitis] Khil'ko VA, et al. **Zh Vopr Neirokhir** 1981 May–Jun; (3):55–7 **(Rus)**

TRANSMISSION

Characterization of Toxoplasma gondii isolates from an outbreak of toxoplasmosis in Atlanta, Georgia. Dubey JP, et al. **Am J Vet Res** 1981 Jun;42(6):1007–10

Oocyst-transmitted toxoplasmosis associated with ingestion of contaminated water. Benenson MW, et al.
N Engl J Med 1982 Sep 9;307(11):666–9

TOXOPLASMOSIS, ANIMAL

COMPLICATIONS

Toxoplasmosis associated with abortion in goats and sheep in Connecticut. Dubey JP, et al. **Am J Vet Res** 1981 Sep; 42(9):1624–6

The course of Plasmodium berghei infection in mice latently infected with Toxoplasma gondii. Mengs U, et al.
Experientia 1982 May 15;38(5):570–1

Spastic paresis in two littermate pups caused by Toxoplasma gondii. Nesbit JW, et al. **J S Afr Vet Assoc** 1981 Sep; 52(3):243–6

CONGENITAL

Cataract in mice congenitally infected with Toxoplasma gondii. Hay J, et al. **Ann Trop Med Parasitol** 1981 Aug; 75(4):455–7

A study of cataract in murine congenital toxoplasmosis. Hutchison WM, et al. **Ann Trop Med Parasitol** 1982 Feb; 76(1):53–70

DIAGNOSIS

Examination of ovine foetal fluid for antibodies to Toxoplasma gondii by the dye test and an indirect immunofluorescence test specific for IgM. Hunter D, et al. **Br Vet J** 1982 Jan–Feb;138(1):29–34

False-negative serologic tests for Toxoplasma in birds. Frenkel JK. **J Parasitol** 1981 Dec;67(6):952–3

Detection of Toxoplasma infectionin pork by Sabin-Feldman's dye test with meat extract. Hagiwara T, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):763–5

Toxoplasma infection and abortion in dairy goats. Chhabra MB, et al. **Trop Anim Health Prod** 1981 Nov;13(4):222–6

Latex agglutination microtiter test for diagnosis of toxoplasma infection in animals. Ohshima S, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981 Sep; 250(3):376–82

DRUG THERAPY

Minocycline in the chemotherapy of murine toxoplasmosis. Tabbara KF, et al. **Parasitology** 1982 Apr;84(Pt 2):297–302

[Therapy of experimental toxoplasmosis of albino mice by levamisol (author's transl)] Zástěra M, et al.
Cesk Epidemiol Mikrobiol Imunol 1982 Mar;31(2):94–7 (Eng. Abstr.) **(Cze)**

[Prevention and chemotherapy of toxoplasmosis] Zardi O, et al. **Clin Ter** 1981 Oct 15;99(1):3–23 (99 ref.) (Eng. Abstr.) **(Ita)**

[Studies on the therapeutics of experimental toxoplasmosis. I. Effect of acetylspiramycin and spiramycin on the intracardiac Toxoplasma multiplication in mice infected with Toxoplasma gondii (author's transl)] Espinas FM, et al. **Jpn J Antibiot** 1981 Aug;34(8):1141–7 (Eng. Abstr.) **(Jpn)**

[Studies on the therapeutics of experimental toxoplasmosis. II. Effect of acetylspiramycin alone or in combination with an immunopotentiator (CSP-II) or sulfamethopyrazine on Toxoplasma multiplication in the heart of mice acutely and chronically infected with Toxoplasma gondii (author's transl)] Espinas FM, et al. **Jpn J Antibiot** 1982 Feb; 35(2):362–8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Experimental feline toxoplasmosis. Hagiwara T, et al.
Nippon Juigaku Zasshi 1981 Jun;43(3):329–36

Pathogenesis of acute toxoplasmosis in specific-pathogen-free cats. Parker GA, et al.
Vet Pathol 1981 Nov;18(6):786–803

IMMUNOLOGY

Toxoplasma gondii: lymphocyte function during acute infection in mice. McLeod R, et al. **Exp Parasitol** 1982 Aug;54(1):55–63

Augmented followed by suppressed levels of natural cell-mediated cytotoxicity in mice infected with Toxoplasma gondii. Kamiyama T, et al. **Infect Immun** 1982 May;36(2):628–36

Nonspecific suppression of primary antibody responses and presence of plastic-adherent suppressor cells in Toxoplasma gondii-infected mice. Suzuki Y, et al.
Infect Immun 1981 Oct;34(1):30–5

Nonspecific suppression of initiation of memory cells in Toxoplasma gondii-infected mice. Suzuki Y, et al.
Infect Immun 1981 Oct;34(1):36–42

A microtitre radio-immunoassay for Toxoplasma gondii antibody. Finlayson J. **J Comp Pathol** 1980 Jul;90(3):491–3

Immunosuppression in toxoplasmosis: studies in lambs and sheep infected with louping-ill virus. Reid HW, et al.
J Comp Pathol 1982 Apr;92(2):181–90

Toxoplasmacidal activity of Toxoplasma immune beagle plasma and hydrolyzed plr .na lymphokine-like peptide (HP-LKLP) in homologous and heterologous cells. Nagasawa H, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):947–50

Immunosuppression in toxoplasmosis: studies in sheep with vaccines for chlamydial abortion and louping-ill virus. Buxton D, et al. **Vet Rec** 1981 Dec 19;109(25–26):559–61

Production and properties of Toxoplasma growth inhibitory factor (Toxo-GIF) and interferon (IFN) in the lymphokines and the circulation of Toxoplasma immune mice. Sakurai H, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981 Dec; 251(1):134–43

Microbicidal activity of toxoplasma immune beagle plasma and lymphokines to toxoplasma multiplication in host cells. Takei Y, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):392–402

[Prevalence of antibodies against Toxoplasma gondii in cattle and swine] Montoya F, et al. **Bol Of Sanit Panam** 1981 Sep;91(3):219–27 (Eng. Abstr.) **(Spa)**

[Natural adaptation of the white rat to Toxoplasma gondii] Chinchilla M, et al. **Rev Biol Trop** 1981 Dec;29(2):273–82 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Characterization of Toxoplasma gondii isolates from an outbreak of toxoplasmosis in Atlanta, Georgia. Dubey JP, et al. **Am J Vet Res** 1981 Jun;42(6):1007–10

Experimental infection of the guinea pig inner ear with Toxoplasma gondii. Falser N. **Arch Otorhinolaryngol** 1981; 233(3):219–25

OCCURRENCE

Toxoplasmosis in mynahs. Dhillon AS, et al. **Avian Dis** 1982 Apr–Jun;26(2):445–9

Toxoplasmosis and the wild rabbit Oryctolagus cuniculus in Victoria, Australia with suggested mechanisms for dissemination of oocysts. Cox JC, et al. **J Hyg (Lond)** 1981 Oct;87(2):331–7

Survey for rabies, leptospirosis, toxoplasmosis and tularemia in striped skunks (Mephitis mephitis) from three public use areas in northwestern Arkansas. Ferguson DV, et al.

J Wildl Dis 1981 Oct;17(4):515–9

Declining of prevalence of latent swine toxoplasmosis in recent years. Katsube Y, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):761–2

Toxoplasmosis in Nigeria--a serological study. Okoh AE, et al. **Trop Anim Health Prod** 1981 Aug;13(3):137–43

PARASITOLOGY

Histological and ultrastructural studies of the interaction of Toxoplasma gondii Tachyzoites with mouse omentum in experimental infection. Khavkin T. **J Protozool** 1981 Aug; 28(3):317–25

Oocyst formation in cats survived after intraperitoneal inoculation of Toxoplasma cysts. Hagiwara T, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):345–9

Fate of Toxoplasma in cats after oral administration. Hagiwara T, et al. **Nippon Juigaku Zasshi** 1981 Jun; 43(3):337–43

Studies in sarcocystis species. VIII: Sarcocystis and Toxoplasma in red deer (Cervus elaphus). Collins GH. **NZ Vet J** 1981 Jul;29(7):126–7

Fine structural study of a Toxoplasma strain from the roe deer. Entzeroth R, et al. **Z Parasitenkd** 1981;66(1):109–12

[Mechanism of the persistence of a less virulent strain of Toxoplasma gondii in the body of the host] Savina MA. **Parazitologiia** 1981 Sep–Oct;15(5):430–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Fatal toxoplasmosis in a tree hyrax (dendrohyrax arboreus). Olubayo RO, et al. **Bull Anim Health Prod Afr** 1981 Sep; 29(3):263–4

Acute fatal toxoplasmosis in squirrels. Roher DP, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1099–101

Toxoplasma gondii: its effect on the ovine popliteal lymph node. Buxton D, et al. **J Med Microbiol** 1981 Nov; 14(4):435–42

Perinatal changes in lambs infected with Toxoplasma gondii. Buxton D, et al. **Res Vet Sci** 1982 Mar;32(2):170–6

Suspected toxoplasma infection in an adult goat. Hartley WJ, et al. **Vet Pathol** 1982 Mar;19(2):210–2

Study on experimental toxoplasmic meningoencephalomyelitis: Its infectious route and lesions in CNS. Sasaki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):167–72

Latent toxoplasma-infection as a possible risk factor for CNS-disorders. Werner H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):368–75

PREVENTION & CONTROL

Protective immunity against clinical toxoplasmosis in diary goats vaccinated with Hammondia hammondi and Hammondia heydorni. Dubey JP. **Am J Vet Res** 1981 Dec; 42(12):2068–70

Prevention of abortion and neonatal death due to toxoplasmosis by vaccination of goats with the nonpathogenic coccidium hammondia hammondi. Dubey JP. **Am J Vet Res** 1981 Dec;42(12):2155–7

Serological survey of Toxoplasma gondii in Nigerian cattle: a preliminary report. Makinde AA, et al. **Br Vet J** 1981 Sep–Oct;137(5):485–8

Immunological control of parasitic diseases through chemically pretreated antigens--II. Toxoplasmosis. Nabih I. **Cell Mol Biol** 1981;27(4):391–2

[Immunization trials in mice against Toxoplasma gondii using attenuated oocysts] Leier H, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):151–4 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Behavioral alterations caused by parasitic infection in case of latent toxoplasma infection. Piekarski G. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep;250(3):403–6

TRANSMISSION

Toxoplasmosis update and public health implications. Fayer R. **Can Vet J** 1981 Nov;22(11):344–52

Repeat transplacental transfer of Toxoplasma gondii in dairy goats. Dubey JP. **J Am Vet Med Assoc** 1982 May 15; 180(10):1220–1

The epidemiology of toxoplasmosis [editorial] **Lancet** 1981 Nov 21;2(8256):1148–9

TOXOPLASMOSIS, CONGENITAL

[Difficulties in the diagnosis and treatment of toxoplasmosis] Morales Castillo ME, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):361–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Eye findings in intrauterine infections. Schaffer DB. **Clin Perinatol** 1981 Oct;8(3):415–43 (66 ref.)

Frequency of toxoplasmosis in the appearance of congenital hydrocephalus. Martinović J, et al. **J Neurosurg** 1982 Jun; 56(6):830–4

Toxoplasmosis and hydranencephaly [letter] Bambirra EA, et al. **N Engl J Med** 1982 May 6;306(18):1112–3

Congenital toxoplasmosis associated with transient monoclonal IgG1-lambda gammopathy. Van Camp B, et al. **Rev Infect Dis** 1982 Jan–Feb;4(1):173–8

[Results gained by serological tests for toxoplasmosis in genetic female patients (author's transl)] Fuchs VI, et al. **Cesk Gynekol** 1981 Feb;46(1):7–11 (Eng. Abstr.) **(Cze)**

[Congenital toxoplasmosis with hydranencephaly. A case report (author's transl)] Gouyon JB, et al. **Sem Hop Paris** 1982 Feb 25;58(8):475–6 (Eng. Abstr.) **(Fre)**

[2 cases of congenital toxoplasmosis] D'Avanzo M, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):69–86 (19 ref.) **(Ita)**

[Toxoplasmosis as a possible cause of alopecia areata] Metaksa GIu, et al. **Vestn Dermatol Venerol** 1982 May; (5):60–3 **(Rus)**

[Prognosis for premature infants with congenital toxoplasmosis] Nikolić R, et al. **Srp Arh Celok Lek** 1981 Feb;109(2):257–61 (Eng. Abstr.) **(Scc)**

DIAGNOSIS

Perinatal nonbacterial infections. Dutta D. **Clin Lab Med** 1981 Jun;1(2):377–97 (125 ref.)

Screening small for gestational age babies for congenital infection. Primhak RA, et al. **Clin Pediatr (Phila)** 1982 Jul; 21(7):417–20 (26 ref.)

Toxoplasma gondii infection of the central nervous system. Use of the peroxidase-antiperoxidase method to demonstrate toxoplasma in formalin fixed, paraffin embedded tissue sections. Conley FK, et al. **Hum Pathol** 1981 Aug;12(8):690–8

Reliability of IgM-IFA and IgM-IHA tests on pure IgM fractions obtained by a simple gel filtration method in acquired and congenital toxoplasmosis. Filice G, et al. **Int J Biol Res Pregnancy** 1981;2(3):114–6

Immunoglobulin M-immunosorbent agglutination assay for diagnosis of infectious diseases: diagnosis of acute congenital and acquired Toxoplasma infections. Desmonts G, et al. **J Clin Microbiol** 1981 Nov;14(5):486–91

Neurological toxoplasmosis presenting as a brain tumor. Case report. Tognetti F, et al. **J Neurosurg** 1982 May; 56(5):716–21

Congenital toxoplasmosis: long-term follow-up. Koppe JG, et al. **Padiatr Padol** 1982;17(2):171–9

[Urgent problems of congenital toxoplasmosis] Szczepańska H, et al. **Przegl Epidemiol** 1981;35(1):1–8 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

In vitro lymphocyte stimulation with specific antigen in congenital toxoplasmosis. Closs O, et al. **Scand J Infect Dis** 1981;13(2):141–7

OCCURRENCE

Toxoplasmosis [letter] Pocha MJ. **Arch Dis Child** 1982 Jan; 57(1):80

Antitoxoplasma antibodies in mothers in labour and their newborn children. Cacciapuoti B, et al. **Boll Ist Sieroter Milan** 1981 May;60(2):121–8

Congenital toxoplasmosis: a serologic screening of 963 mothers and their children at birth. Carosi G, et al. **Int J Biol Res Pregnancy** 1981;2(3):117–22

PATHOLOGY

Congenital toxoplasmosis: histological and ultrastructural study. Fenzi F, et al. **Ital J Neurol Sci** 1982 Mar;3(1):49–57

Congenital toxoplasmosis. Dische MR, et al. **Perspect Pediatr Pathol** 1981;6:83–113

PREVENTION & CONTROL

Congenital toxoplasmosis: prevention or palliation? Frenkel JK. **Am J Obstet Gynecol** 1981 Oct 15;141(4):359–61

Toxoplasmosis and pregnancy: the prevention of congenital toxoplasmosis. Rondanelli EG, et al. **Int J Biol Res Pregnancy** 1981;2(3):104–13

THERAPY

Preventive and therapeutic approaches to the newborn infant with perinatal viral and toxoplasma infections. Whitley RJ, et al. **Clin Perinatol** 1981 Oct;8(3):591–604 (55 ref.)

TOXOPLASMOSIS, OCULAR

BLOOD

[Parasitic uveitis in Quebec] Viens P, et al. **Union Med Can** 1981 Oct;110(10):893–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Fulminant ocular toxoplasmosis. Sabates R, et al. **Am J Ophthalmol** 1981 Oct; 2(4):497–503

Fuchs' heterochromic cyclitis and ocular toxoplasmosis. Toledo de Abreu M, et al. **Am J Ophthalmol** 1982 Jun; 93(6):739–44

[Hemorrhagic complication of toxoplasmic choroiditis] Malbrel C. **Bull Soc Ophtalmol Fr** 1981 Aug-Sep; 81(8–9):633–4 (Eng. Abstr.) **(Fre)**

[Ocular toxoplasmosis] Chanis R Jr. **Rev Med Panama** 1982 Jan;7(1):3–10 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Bilateral macular lesions. Bronstein MA, et al. **Ann Ophthalmol** 1981 Jul;13(7):854–63

Ocular toxoplasmosis. Tessler HH. **Int Ophthalmol Clin** 1981 Fall;21(3):185–99 (37 ref.)

[Rapid diagnostic method in ocular toxoplasmosis] Katsnel'son LA, et al. **Vestn Oftalmol** 1982 Jan–Feb; (1):58–61 **(Rus)**

[Characteristics of the clinical course of ocular toxoplasmosis] Zaĭtseva NS, et al. **Vestn Oftalmol** 1982 Mar–Apr;(2):41–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Ocular toxoplasmosis treated with pyrimethamine [letter] Colebunders R, et al. **Am J Ophthalmol** 1982 Mar; 93(3):371–2

Minocycline in experimental ocular toxoplasmosis in the rabbit. Rollins DF, et al. **Am J Ophthalmol** 1982 Mar; 93(3):361–5

[Intraocular penetration of several medications with a therapeutic effect on toxoplasmosis. Preliminary study] Brihaye M, et al. **Bull Soc Belge Ophtalmol** 1980;191:39–53 (Eng. Abstr.) **(Fre)**

ECONOMICS

[The cost of ocular toxoplasmosis] Bloch-Michel E, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):739–40 **(Fre)**

ETIOLOGY

[Ocular toxoplasmosis in an immunosuppressed patient] Mouillac-Gambarelli N, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):95–6 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antibodies against Toxoplasma gondii in the aqueous humour of patients with active retinochoroiditis. Pedersen OO, et al. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):719–26

Longitudinal study of serum antibody responses to retinal antigens in acute ocular toxoplasmosis. Abrahams IW, et al. **Am J Ophthalmol** 1982 Feb;93(2):224–31

The role of hypersensitivity reactions to toxoplasma antigens in experimental ocular toxoplasmosis in nonhuman primates. Newman PE, et al. **Am J Ophthalmol** 1982 Aug; 94(2):159–64

PATHOLOGY

Experimental ocular toxoplasmosis in primates. Culbertson WW, et al. **Arch Ophthalmol** 1982 Feb;100(2):321–3

[Toxoplasmic retino-choroiditis] Atmaca LS, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:238–42 **(Fre)**

PHYSIOPATHOLOGY

Subretinal neovascularisation in ocular toxoplasmosis. Cotliar AM, et al. **Br J Ophthalmol** 1982 Aug;66(8):524–9

TOYOCAMYCIN see under **RIBONUCLEOSIDES**

TOYOMICIN see under **CHROMOMYCINS**

TOYS see **PLAY AND PLAYTHINGS**

TPN see **NADP**

TRABECULAR MESHWORK

[Ultrasonic activation of the trabeculae in glaucoma] Cherniavskii GIa, et al. **Vestn Oftalmol** 1981 Jul-Aug; (4):7–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

Distribution of glycosaminoglycans in the aqueous outflow system of the cat. Richardson TM. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):319–29

CYTOLOGY

Age-related changes in trabecular meshwork cellularity. Alvarado J, et al. **Invest Ophthalmol Vis Sci** 1981 Nov; 21(5):714–27

Schwalbe line's cells: a new cell type in the trabecular meshwork of Macaca mulatta. Raviola G. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):45–56

DRUG EFFECTS

[The sclerocorneal trabeculum following cortisone treatment and perfusion of the anterior chamber with hyaluronidase (author's transl)] François J, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):68–9 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The development of the trabecular meshwork and its abnormality in primary infantile glaucoma. Anderson DR. **Trans Am Ophthalmol Soc** 1981;79:458–85

GROWTH & DEVELOPMENT

Developmental immaturity of the trabecular meshwork in congenital glaucoma. Tawara A, et al.

Am J Ophthalmol 1981 Oct;92(4):508–25

IMMUNOLOGY

Substance P-like immunoreactive nerve fibers in the trabecular meshwork. Laties AM, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):484–6

INNERVATION

[Sympathetic innervation of the site of the aqueous secretion and outflow of the Japanese monkey (Macacus fuscatus); fluorescent histochemistry and electron microscopy (author's transl)] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1339–49 (Eng. Abstr.) **(Jpn)**

METABOLISM

Synthesis and composition of glycosaminoglycans by cultured human trabecular meshwork cells. Schachtschabel DO, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):113–7

Fibronectin production by cultured human trabecular meshwork cells. Worthen DM, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):265–9

PHYSIOLOGY

The conventional outflow resistances. Moses RA. **Am J Ophthalmol** 1981 Dec;92(6):804–10

Detection of glucocorticoid receptors in cultured human trabecular cells. Weinreb RN, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):403–7

RADIATION EFFECTS

Short-term effects of Q-switched ruby laser on monkey anterior chamber angle. Bonney CH, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):310–8

SURGERY

330 trabeculectomies. A long time study (3–5 1/2 years). Jerndal T, et al. **Acta Ophthalmol (Copenh)** 1980 Dec; 58(6):947–56

Glaucoma with trabecular melanocytosis. Sugar HS. **Ann Ophthalmol** 1982 Apr;14(4):374–5

Trabeculectomy: a retrospective long-term follow-up of 444 cases. Mills KB. **Br J Ophthalmol** 1981 Nov;65(11):790–5

Quantitative trabeculectomy [letter] Raju VK. **Br J Ophthalmol** 1982 Jul;66(7):474

Simultaneous trabeculectomy and cataract extraction. Romem M, et al. **Br J Ophthalmol** 1982 Apr;66(4):250–2

A comparison between peripheral iridectomy with thermal sclerostomy and trabeculectomy: a controlled study. Spaeth GL, et al. **Br J Ophthalmol** 1981 Nov;65(11):783–9

Combined cataract extraction and trabeculotomy; further experiences. McPherson SD Jr, et al. **Dev Ophthalmol** 1981; 5:59–63

Simultaneous trabeculectomy and cataract extraction. Ahmad M, et al. **Indian J Ophthalmol** 1981 OCT;29(3):153–5

An investigation of the mechanism of function of trabeculectomy (operation). Batra JD, et al. **Indian J Ophthalmol** 1981 OCT;29(3):173–6

Trabeculectomy in congenital glaucoma. Joseph A. **Indian J Ophthalmol** 1981 Jul;29(2):81–2

Preliminary report of our experiences in trabeculectomy. Patel CK, et al. **Indian J Ophthalmol** 1981 Dec;29(4):427–9

Clinical evaluation of trabeculectomy operation in aphakic glaucoma. Sharma SL, et al. **Indian J Ophthalmol** 1981 OCT;29(3):227–8

Failure in glaucoma surgery. Singh D, et al. **Indian J Ophthalmol** 1981 OCT;29(3):161–5

Trabeculectomy--a short term follow-up. Hasan KS, et al. **JPMA** 1981 Sep;31(9):193–6

Results and complications of limbal trephination and subscleral trephination (trabeculectomy). Sugar HS. **Lasers Surg Med** 1981;1(3):221–7

Evaluation of trabeculectomy in buphthalmos. Shalash B, et al. **Metab Pediatr Ophthalmol** 1981;5(3–4):167–70

Combined trabeculotomy–trabeculectomy for the management of glaucoma associated wih Sturge–Weber syndrome. Board RJ, et al. **Ophthalmic Surg** 1981 Nov; 12(11):813–7

Childhood glaucoma: results with trabeculotomy and study of reversible cupping. Quigley HA. **Ophthalmology (Rochester)** 1982 Mar;89(3):219–26

Argon laser trabeculoplasty in the presurgical glaucoma patient. Thomas JV, et al. **Ophthalmology (Rochester)** 1982 Mar;89(3):187–97

Our results in the combination of trabeculectomy with scleral cautery. Rehák S, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(3):379–83

Trabeculectomy with the implantation of a scleral strip. Rehák S, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981; 24(3):373–8

Argon laser goniophotocoagulation of the trabecular meshwork in open-angle glaucoma. Forbes M, et al. **Trans Am Ophthalmol Soc** 1981;79:257–75

Combined trabeculectomy and cataract extraction. Advantages of a modified technique and review of current literature. Luntz MH, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):533–41

[Remote results of trabeculectomy (author's transl)] Feng Z. **Chung Hua Yen Ko Tsa Chih** 1981 May;17(3):136–7 **(Chi)**

[Appearance of the chamber angle after trabeculectomy and mechanism of lowering of the intraocular tension (author's transl)] Ji XC. **Chung Hua Yen Ko Tsa Chih** 1981 May; 17(3):138–40 **(Chi)**

[Treatment of glaucoma with trabeculectomy (author's transl)] Wu ZZ. **Chung Hua Yen Ko Tsa Chih** 1981 May; 17(3):133–5 **(Chi)**

[Two modifications of trabeculostomy with trabeculocyclostomy (author's transl)] Gruša OV, et al. **Cesk Oftalmol** 1981 Jul;37(4):248–51 (Eng. Abstr.) **(Cze)**

[Our experiences with trabeculectomy (author's transl)] Machová L, et al. **Cesk Oftalmol** 1982 May;38(3):218–24 (Eng. Abstr.) **(Cze)**

[Modified trabeculectomy with scleral wick (author's transl)] Heilig P, et al. **Klin Monatsbl Augenheilkd** 1981 Oct; 179(4):271–3 (Eng. Abstr.) **(Ger)**

[Combined trabecelectomy: intracapsular cataract surgery with lens implantation (author's transl)] Stiegler G. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):456–60 (Eng. Abstr.) **(Ger)**

[Results of long-term observations after trabeculotomy (author's transl)] Kageyama M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):10–9 (Eng. Abstr.) **(Jpn)**

[Trabeculectomy in treatment of congenital glaucoma (author's transl)] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1981 Jul-Sep;83(7–8):401–2 (Eng. Abstr.) **(Pol)**

[Late results of trabeculectomy in open-angle glaucoma] Pliushko DG, et al. **Oftalmol Zh** 1981;36(3):149–50 (Eng. Abstr.) **(Rus)**

[Combined trabeculostomy and trabeculocyclostomy operation] Grusha OV, et al. **Vestn Oftalmol** 1981 May-Jun;(3):9–10 **(Rus)**

ULTRASTRUCTURE

Presence of matrix vesicles in the trabecular meshwork of glaucomatous eyes. Rohen JW. **Graefes Arch Clin Exp Ophthalmol** 1982;218(4):171–6

Structural changes of human and monkey trabecular meshwork following in vitro cultivation. Rohen JW, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):225–32

Ultrahistochemical studies on tangential sections of the trabecular meshwork in normal and glaucomatous eyes. Lütjen-Drecoll E, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):563–73

The fine structure of the cribriform meshwork in normal and glaucomatous eyes as seen in tangential sections. Rohen JW, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):574–85

Quantitative ultrastructural study of the anterior chamber angle of the rabbit with corticosteroid-induced ocular hypertension. Stereology of the rabbit angle. Fossarello M, et al. **Ophthalmic Res** 1982 Jan-Feb;14(1):40–5

Electron microscopy of argon laser therapy in phakic open-angle glaucoma. Rodrigues MM, et al. **Ophthalmology (Rochester)** 1982 Mar;89(3):198–210

[Studies on ultrastructure of trabecular meshwork and mechanism of aqueous outflow of the human eye (author's transl)] He ZL. **Chung Hua Yen Ko Tsa Chih** 1981 May; 17(3):129–32 **(Chi)**

TRACE ELEMENTS

Vitamins and trace elements in the seriously ill patient. Dickerson JW. **Acta Chir Scand [Suppl]** 1981;507:144–50

Additives in parenteral nutrition. Shenkin A. **Acta Chir Scand [Suppl]** 1981;507:350–5

Trace-element nutrition. Hambidge KM. **Pediatr Ann** 1981 Nov;10(11):53–9

ADMINISTRATION & DOSAGE

Problems of mineral supply in industrialized countries. Haenel H, et al. **Bibl Nutr Dieta** 1981;(30):100–10

Risks and benefits of nutritional supplements during pregnancy. Moghissi KS. **Obstet Gynecol** 1981 Nov;58(5 Suppl):68S–78S (26 ref.)

Vitamin and trace element requirements in parenteral nutrition: an update. Ruberg RL, et al. **Ohio State Med J** 1981 Dec;77(12):725–9

Trace element intake by Asians during pregnancy. Abraham R. **Proc Nutr Soc** 1982 Jun;41(2):261–5

[On the requirements and dietary allowances of carbohydrates, fibers and trace elements (author's transl)] Hou XC. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb; 12(2):152–6 **(Chi)**

[Effectiveness of training young athletes by including vitamin and trace element supplements in the diet] Rusin VIa, et al. **Gig Sanit** 1982 Mar;(3):78–80 **(Rus)**

[Blood index changes on incorporating trace elements into the diet] Rusin VIa, et al. **Voen Med Zh** 1981 Oct;(10):44–6 **(Rus)**

ADVERSE EFFECTS

Modulation of bone marrow heme and protein synthesis by trace elements. Dresner DL, et al. **Environ Res** 1982 Jun; 28(1):55–66

ANALYSIS

Zinc deficiency-induced trace element concentration and localization changes in the central nervous system of albino rat during postnatal development. I. Optical microscopic histochemical examinations. Kozma M, et al. **Acta Histochem (Jena)** 1982;70(1):54–61

Role of trace elements in pharmaceutical medication. Gonsior B, et al. **Agressologie** 1981;22(4):143–5

Intravenous solution compatibility and filter-retention characteristics of trace-element preparations. Boddapati S, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1731–6

Age-related variations in hepatic iron, copper, zinc, and selenium concentrations in beagles. Keen CL, et al. **Am J Vet Res** 1981 Nov;42(11):1884–7

Critical evaluation of a multi-element scheme using plasma emission and hydride evolution atomic-absorption spectrometry for the analysis of plant and animal tissues. Jones JW, et al. **Analyst** 1982 Apr;107(1273):353–77

Simultaneous determination of eight trace elements in human skin by instrumental neutron-activation analysis. Molokhia A, et al. **Analyst** 1981 Nov;106(1268):1168–73

Trace element abnormalities in chronic uremia. Smythe WR, et al. **Ann Intern Med** 1982 Mar;96(3):302–10

Trace elements, nutritional status, and social stratification at Etowah, Georgia. Blakely RL, et al. **Ann NY Acad Sci** 1981;376:417–31

Trace elements in the vertebral column in idiopathic scoliosis. Milachowski K, et al. **Arch Orthop Trauma Surg** 1982; 99(3):161–5

Trace metals in marine sediments of Kuwait. Anderlini VC, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):75–80

Effect of different preservation methods on the trace element concentrations of fish and mussel tissues. Klusek CS, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):202–7

Metals in livers of white-tailed deer in Illinois. Woolf A, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):189–94

Some observations on the interpretation of hair analysis data. Holzbecher J, et al. **Clin Biochem** 1982 Apr;15(2):80–2

Preparation of fingernails for trace element analysis. Bank HL, et al. **Clin Chim Acta** 1981 Oct 26;116(2):179–90

Trace elements analysis in biological samples by proton nuclear activation. Cantone MC, et al. **Clin Phys Physiol Meas** 1982 Feb;3(1):67–77

Lack of correlation between trace metal staining and trace metal content of the rat hippocampus following colchicine microinjection. Szerdahelyi P. **Histochemistry** 1982; 74(4):563–7

Trace elements in animal feed & animal tissues: a correlation study by neutron activation method. Mangal PC, et al. **Indian J Exp Biol** 1981 May;19(5):441–4

Studies on desi and kabuli chickpea (Cicer arietinum l.) cultivars. 3. Mineral and trace element composition. Jambunathan R, et al. **J Agric Food Chem** 1981 Sep–Oct; 29(5):1091–3

Phytate:zinc molar ratio, mineral, and fiber content of three hospital diets. Ellis R, et al. **J Am Diet Assoc** 1982 Jul; 81(1):26–9

Analysis of laboratory animal feed for toxic and essential elements by atomic absorption and inductively coupled argon plasma emission spectrometry. Blakemore WM, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1284–90

Glutamine phosphoribosylpyrophosphate amidotransferase from cloned Escherichia coli purF. NH2-terminal amino acid sequence, identification of the glutamine site, and trace metal analysis. Tso JY, et al. **J Biol Chem** 1982 Apr 10; 257(7):3532–6

Removal of trace metals from culture media and sera for in vitro deficiency studies. Messer HH, et al. **J Nutr** 1982 Apr;112(4):652–7

Distribution of trace metals in nuclei and nucleoli of normal and regenerating rat liver with special reference to the different behavior of nickel and chromium. Ono H, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):947–57

Variation of minerals and trace elements in laboratory animal diets. Wise A, et al. **Lab Anim** 1981 Oct;15(4):299–303

Trace elements in human hair [letter] **Lancet** 1982 Sep 11; 2(8298):608

Trace elements in hair [letter] Abraham JL. **Lancet** 1982 Sep 4;2(8297):554–5

On determining trace element levels in man: the uses of blood and hair. Laker M. **Lancet** 1982 Jul 31;2(8292):260–2

Soil as the source of trace elements. West TS. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):19–39

A simple method of x-ray fluorescence analysis in hair. Kubo H. **Phys Med Biol** 1981 Sep;26(5):867–74

Hair element concentrations and hypertension in South Carolina. Borgman RF, et al. **R Soc Health J** 1982 Feb; 102(1):1–2

Trace elements in hair and environmental exposure. Bhat KR, et al. **Sci Total Environ** 1982 Jan;22(2):169–78

Trace element concentration in the human pineal body. Activation analysis of cobalt, iron, rubidium, selenium, zinc, antimony and cesium. Demmel U, et al. **Sci Total Environ** 1982 Jun;24(2):135–46

The effects of dissecting tools on the trace element concentrations of fish and mussel tissues. Heit M, et al. **Sci Total Environ** 1982 Jun;24(2):129–34

Multielement analysis of fingernail, scalp hair and water samples from Egypt (a preliminary study). Kasperek K, et al. **Sci Total Environ** 1982 Jan;22(2):149–68

Simultaneous determination of 20 elements in some human kidney and liver autopsy samples by inductively-coupled plasma atomic emission spectrometry. Subramanian KS, et al. **Sci Total Environ** 1982 Jun;24(2):147–57

Recent research on the etiology of esophageal cancer in

China. Lu SH, et al. **Z Gastroenterol** 1982 Jul;20(7):361–7 (25 ref.)
[Preliminary observations on the concentration of trace elements in the hair of the aged (author's transl)] Huang MX. **Chung Hua I Hsueh Tsa Chih** 1982;62(3):134–7 (Eng. Abstr.) **(Chi)**
[Neutron activating analysis used for detection of trace elements present in human cataracts (author's transl)] Cigánek L, et al. **Cesk Oftalmol** 1982 Mar;38(2):110–5 (Eng. Abstr.) **(Cze)**
[Trace elements in amniotic fluid in the 3rd trimester of pregnancy] Várdi P, et al. **Acta Chir Acad Sci Hung** 1980; 21(2):129–35 (Eng. Abstr.) **(Ger)**
[Analytical methods for determination of trace elements in biomasses produced on n-alkanes] Pepe A, et al. **Ann Ist Super Sanita** 1979;15(3):541–66 **(Ita)**
[Chemical investigation on inorganic elements in human hairs. (2). Concentrations of 23 elements in hairs of foreigners (author's transl)] Teraoka H. **Nippon Eiseigaku Zasshi** 1981 Oct;36(4):712–7 (Eng. Abstr.) **(Jpn)**
[Determination of trace elements in freshwater diatoms by neutron activation analysis (author's transl)] Nagatsuka S, et al. **Radioisotopes** 1982 Feb;31(2):69–73 (Eng. Abstr.) **(Jpn)**
[The distribution and the origin of trace elements in fresh waters in the Mikurajima Island (author's transl)] Tanizaki Y, et al. **Radioisotopes** 1981 Sep;30(9):486–91 (Eng. Abstr.) **(Jpn)**
[Trace elements in 'health food' and in hospital diets] Salbu B, et al. **Tidsskr Nor Laegeforen** 1981 Jun 20; 101(17–18):1050–2 (Eng. Abstr.) **(Nor)**
[Method of atomic absorption spectrophotometry for the determination of lead, cadmium, zinc and copper in meat products] Brzozowska B, et al. **Rocz Panstw Zaki Hig** 1981; 32(4):323–6 **(Pol)**
[Change in concentration of microelements in denervated muscles] Ogievetskaia MM, et al. **Biofizika** 1982 May–Jun; 27(3):501–4 (Eng. Abstr.) **(Rus)**
[Chemical composition of bottom sediments and of the mobile forms of their trace elements] Radovskaia TL, et al. **Gig Sanit** 1982 Apr;(4):76–8 **(Rus)**

BLOOD

The concentrations of trace elements in blood from healthy newborn infants. Meurling S, et al. **Acta Chir Scand** 1981; 147(6):481–5
The effect of temporary venous occlusion on trace mineral concentrations in plasma. Juswigg T, et al. **Am J Clin Nutr** 1982 Aug;36(2):354–8
Magnesium and trace metals: risk factors for coronary heart disease? Association between blood levels and angiographic findings. Manthey J, et al. **Circulation** 1981 Oct;64(4):722–9
Determination of trace elements in human serum by energy dispersive X-ray fluorescence. Sky-Peck HH, et al. **Clin Biochem** 1981 Jun;14(3):126–31
Effect of leukaemia on the concentration of some trace elements in human whole blood. Mangal PC, et al. **Indian J Med Res** 1981 Oct;74:559–64
Evaluation of trace-element sensitivities in PIXE analysis of low-temperature-ashed serum samples. Lecomte R, et al. **Int J Appl Radiat Isot** 1982 Feb;33(2):121–5
External proton beam for X-ray emission analysis of human blood plasma. Räisänen J, et al. **Int J Appl Radiat Isot** 1981 Mar;32(3):165–70
On determining trace element levels in man: the uses of blood and hair. Laker M. **Lancet** 1982 Jul 31;2(8292):260–2
The serum levels of some trace and bulk elements in cancer patients. Capel ID, et al. **Oncology** 1982 Jan–Feb; 39(1):38–41
Vitamins and trace elements profiles in chronic leg ulcers in Nigerians. Ette SI, et al. **Trop Geogr Med** 1982 Mar; 34(1):73–5
[Study of relationship between trace elements, common elements and hypertension–multifactor progressive regression analysis (author's transl)] Zhao GS. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):241–5 **(Chi)**
[Effect of humic acids on selected trace elements in laboratory rats] Fuchs V, et al. **Arch Exp Veterinarmed** 1982;36(2):187–91 (Eng. Abstr.) **(Ger)**
[Various constituents and trace elements in blood plasma of boars] Steinhardt M, et al. **Arch Exp Veterinarmed** 1981; 35(6):903–15 (Eng. Abstr.) **(Ger)**
[Electrolyte trace elements] Zumkley H. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1633–55 **(Ger)**
[Trace elements and vitamins A, B1 and B2 in the serum of alcoholics] Kirchmayer S, et al. **Pol Arch Med Wewn** 1981 Jan;65(1):31–9 (Eng. Abstr.) **(Pol)**

CEREBROSPINAL FLUID

Trace elements in the cerebrospinal fluid in neurological diseases. Kjellin KG. **Clin Toxicol** 1981 Nov;18(11):1237–45
[Mineral homeostasis in brain edema] Shevaga VN. **Vrach Delo** 1981 Nov;(11):95–9 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Trace mineral deficiencies in cattle: a review. Smart ME, et al. **Can Vet J** 1981 Dec;22(12):372–6 (67 ref.)
Trace metal abnormalities in adults during hyperalimentation. McClain CJ. **JPEN** 1981 Sep–Oct;5(5):424–9 (62 ref.)
Metabolic and physiological consequences of trace element deficiency in animals and man. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):1–213
Some outstanding problems in the detection of trace element deficiency diseases. Mills CF. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):199–213
The incidence of trace element deficiency diseases. Underwood EJ. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14;294(1071):3–8
[Vitamins and trace elements in the elderly (author's transl)] Schmidlin O, et al. **Aktuel Gerontol** 1982 Jan;12(1):1–6 (Eng. Abstr.) **(Ger)**
[Effect of trace element deficiency on metalloenzyme activity and the growth of Guerin carcinoma] Babenko GA, et al. **Ukr Biokhim Zh** 1982;54(1):55–60 (Eng. Abstr.) **(Rus)**

METABOLISM

The influence of dietary molybdenum and copper supplementation on the contents of serum uric acid and some trace elements in cocks. Karring M, et al. **Acta Vet Scand** 1981;22(3–4):289–95
Pica and mineral status in the mentally retarded. Danford DE, et al. **Am J Clin Nutr** 1982 May;35(5):958–67
Effects of dietary tin on zinc, copper, iron, manganese, and magnesium metabolism of adult males. Johnson MA, et al. **Am J Clin Nutr** 1982 Jun;35(6):1332–8
Biological availability of minerals and trace elements: a nutritional overview. Rosenberg IH, et al. **Am J Clin Nutr** 1982 Apr;35(4):781–2
Anemia of inflammatory disease in the dog: measurement of hepatic superoxide dismutase, hepatic nonheme iron, copper, zinc, and ceruloplasmin and serum iron, copper, and zinc [letter] Easley R. **Am J Vet Res** 1981 Oct; 42(10):1844
Trace elements status of fetuses from ewes fed a copper-deficient ration. Hidiroglou M, et al. **Am J Vet Res** 1982 Feb;43(2):310–3
Parenteral administration of trace elements to critically ill patients. Phillips GD, et al. **Anaesth Intensive Care** 1981 Aug;9(3):221–5
Teflon chemostat for studies of trace metal metabolism in Streptococcus mutans and other bacteria. Strachan RC, et al. **Appl Environ Microbiol** 1982 Jan;43(1):257–60
Effects of season and seawater concentrations on trace metal concentrations in organs of Mytilus edulis. Popham JD, et al. **Arch Environ Contam Toxicol** 1982;11(3):273–82
Zinc, copper and manganese in the organs of rats after sublethal cyanide intoxication. Behari JR, et al. **Arch Toxicol** 1981 Aug;48(1):41–50
Physiological effects of fibre-rich types of bread. 1. The effect of dietary fibre from bread on the mineral balance of young men. Van Dokkum W, et al. **Br J Nutr** 1982 May;47(3):451–60
Seasonal variation in soft tissue weights and trace metal burdens in the bay mussel, Mytilus edulis. Latouche YD, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):821–8
Renal excretion of magnesium and trace elements during cisplatin treatment. Zumkley H, et al. **Clin Nephrol** 1982 May;17(5):254–7
Hematologic and trace element alterations following chronic maternal ingestion of propylthiourea. Shrader RE, et al. **Exp Hematol** 1982 Jan;10(1):44–55
Hair trace metal levels in Down syndrome patients. Barlow PJ, et al. **J Ment Defic Res** 1981 Sep;25(Pt 3):161–8
Developmental changes in composition of cats milk: trace elements, minerals, protein, carbohydrate and fat. Keen CL, et al. **J Nutr** 1982 Sep;112(9):1763–9
Effect of dietary or genetic copper deficiency on brain catecholamines, trace metals and enzymes in mice and rats. Prohaska JR, et al. **J Nutr** 1982 Sep;112(9):1706–17
Trace element levels in tissues from cattle fed a sewage sludge-amended diet. Boyer KW, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):281–95
Absorption, transport and tissue storage of essential trace elements. Bremner I, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):75–89
Levels, distribution and chemical forms of trace elements in food plants. Tinker PB. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):41–55
Physico-chemical aspects of inorganic element transfer through membranes. Williams RJ. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):57–74
Interactions of trace elements in human metabolism. Kirchgessner M, et al. **Prog Clin Biol Res** 1981;77:189–97
Bioavailability of trace elements in human nutrition. Shah BG. **Prog Clin Biol Res** 1981;77:199–208 (53 ref.)
Surgical procedure for modifying the duodenum in cattle to measure bile flow and the diurnal variation in biliary manganese, iron, copper and zinc excretion. Symonds HW, et al. **Res Vet Sci** 1982 Jan;32(1):6–11
The influence of manganese on the distribution of essential trace elements. I. Regional distribution of Mn, Na, K, Mg, Zn, Fe, and Cu in rat brain after chronic Mn exposure. Scheuhammer AM, et al. **Toxicol Appl Pharmacol** 1981 Nov;61(2):227–33
[The role of the liver in the metabolism of trace elements] Favier A. **Med Chir Dig** 1981;10(4):295–8 **(Fre)**
[Prececal and postileal digestibility of elements (Ca, P, Mg) and trace elements (Cu, Zn, Mn) in the horse] Meyer H, et al. **Fortschr Tierphysiol Tierernahr** 1982;13:61–9 (Eng. Abstr.) **(Ger)**
[Trace elements. Clinical significance based on current knowledge. 1. Zinc, copper, aluminum] Zumkley H, et al. **MMW** 1982 May 28;124(21):530–2 **(Ger)**
[Effect of various rations on trace element metabolism in young fattening bulls] Regius A, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(4):169–75 (Eng. Abstr.) **(Ger)**
[Normal and abnormal metabolism of trace metals] Wada O, et al. **Nippon Rinsho** 1981 Apr;39(4):1949–64 (62 ref.) **(Jpn)**
[Importance of trace elements in obstetrics] Kolasa F, et al. **Ginekol Pol** 1982 Jan–Feb;53(1–2):75–8 (26 ref.) (Eng. Abstr.) **(Pol)**
[Absorption of various trace elements from milk products for infants. Absorption of iron and copper from humanized milk Lactovit O] Zmarlicka M, et al. **Pediatr Pol** 1982 Feb–Mar;57(2–3):107–13 (Eng. Abstr.) **(Pol)**
[Role of the autonomic nervous system in regulating mineral metabolism] Tsibulevskiĭ AIu. **Izv Akad Nauk SSSR [Biol]** 1981 Jul–Aug;(4):518–26 (Eng. Abstr.) **(Rus)**
[Changes in the soluble intracellular protein composition of Aspergillus fumigatus as affected by trace elements] Kurbatskaia ZA, et al. **Mikrobiol Zh** 1981 Jul–Aug; 43(4):478–81 **(Rus)**
[Distribution of macro- and trace elements in the organs of experimental animals at different times after death from hydrogen sulfide poisoning] Omarov GG, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):34–5 **(Rus)**

PHARMACODYNAMICS

Trace metals in hematopoiesis. Deur CJ, et al. **Am J Hematol** 1981 Nov;11(3):309–31 (134 ref.)
The influence of certain added water-borne trace elements on the percentage bacterial composition of tooth fissure plaque from conventional Sprague-Dawley rats. Beighton D, et al. **Arch Oral Biol** 1981;26(5):419–25
Effect of trace metals on growth of Streptococcus mutans in a teflon chemostat. Aranha H, et al. **Infect Immun** 1982 Feb;35(2):456–60
Induction of mitotic gene conversion by browning reaction products and its modulation by naturally occurring agents. Rosin MP, et al. **Mutat Res** 1982 May;101(3):189–97
Trace metal-citric acid complexes as inhibitors of calcification and crystal formation. Thomas WC Jr. **Proc Soc Exp Biol Med** 1982 Jul;170(3):321–7
[Effect of various enzyme-substrate ratios on trypsin activity in the presence of trace elements] Wieninger-Rustemeyer R, et al. **Arch Tierernahr** 1981 Sep;31(9):589–96 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Single nutrients and immunity. Beisel WR. **Am J Clin Nutr** 1982 Feb;35(2 Suppl):417–68 (386 ref.)
Mineral and vitamin nutrition of dairy cattle. Miller WJ. **J Dairy Sci** 1981 Jun;64(6):1196–206 (88 ref.)
Trace element interactions. Sandstead HH. **J Lab Clin Med** 1981 Oct;98(4):457–62
An appraisal of the newer trace elements. Davies NT. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):171–84
Oxygen, oxidases, and the essential trace metals. Hill HA. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):119–28
The roles of trace elements in foetal and neonatal development. Hurley LS. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):145–52
The scientific and practical importance of trace elements. Mertz W. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):9–18

THERAPEUTIC USE

[Effect of fluorine and other trace elements on the development of experimental dental caries in thyroid dysfunction] Pashaev ChA, et al. **Stomatologiia (Mosk)** 1981;60(4):6–8 (Eng. Abstr.) **(Rus)**

URINE

Trace elements in diabetes mellitus. Retnam VJ, et al. **J Postgrad Med** 1981 Jul;27(3):129–32

TRACHEA

see related
ANESTHESIA, INTRATRACHEAL
INTUBATION, INTRATRACHEAL

Comparison of laryngotracheal and ultrasonic nebulizer administration of lidocaine in local anaesthesia for bronchoscopy. Korttila K, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):161–5
Quantitative evaluation of the development of tracheal submucosal glands in infants with cystic fibrosis and control infants. Sturgess J, et al. **Am J Pathol** 1982 Mar; 106(3):303–11

Airway obstruction due to a foreign body [letter] Wittmann FW. **Anaesthesia** 1982 Aug;37(8):865–6

Lung inhalation of an unusual vegetal foreign body. Report of two cases. Soares D, et al. **Ann Radiol (Paris)** 1982 Feb; 25(2):101–5 **(Eng, Fre)**

A rapid method for preparing avian tracheal rings for organ culture. Marquardt WW, et al. **Avian Dis** 1982 Jan–Mar; 26(1):196–9

How to remove a foreign body from the trachea and bronchial tree [letter] Bush GH, et al **Br J Hosp Med** 1981 Jul;26(1):102

Use of a Fogarty catheter for bronchoscopic removal of a foreign body [letter] Wiesel JM, et al. **Chest** 1982 Apr; 81(4):524

Oxygen insufflation during endotracheal suctioning. Langrehr EA, et al. **Heart Lung** 1981 Nov–Dec; 10(6):1028–36

'Whistling sign'--a diagnostic feature of laryngotracheal foreign body. Chaturvedi VN, et al. **Indian Pediatr** 1981 Oct;18(10):752–4

Hypoxemia reflexly increases secretion from tracheal submucosal glands in dogs. Davis B, et al. **J Appl Physiol** 1982 Jun;52(6):1416–9

Tracheobronchial and pancreatic remnants causing esophageal stenosis. Briceño LI, et al. **J Pediatr Surg** 1981 Oct;16(5):731–2

The treatment of retained peripheral foreign bodies in the pediatric airway. Hight DW, et al. **J Pediatr Surg** 1981 Oct;16(5):694–9

A method for intratracheal inoculation of mice. Yap KL. **Lab Anim** 1982 Apr;16(2):143–5

A technique for obtaining tracheobronchial washings from rhesus monkeys (Macaca mulatta). Ilievski V, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):524–5

Tracheobronchial foreign bodies: the impact of a postgraduate educational program on diagnosis, morbidity, and treatment. Puterman M, et al. **Pediatrics** 1982 Jul; 70(1):96–8

Inadvertent nasogastric tube insertion into the tracheobronchial tube. A hazard of new high–residual volume cuffs. Stark P. **Radiology** 1982 Jan;142(1):239–40

Reproterol and the muscle of the trachea and bronchi: in vitro and in vivo comparative studies with various drugs used in the treatment of asthma. Di Mezza F, et al. **Respiration** 1981;42(3):175–83

The Fogarty balloon technique for the removal of foreign bodies from the tracheobronchial tree. Kosloske AM. **Surg Gynecol Obstet** 1982 Jul;155(1):72–3

A dual approach to tracheobronchial foreign bodies in children. Campbell DN, et al. **Surgery** 1982 Feb; 91(2):178–82

Congenital oesophageal stenosis caused by tracheobronchial structures in the oesophageal wall. Ibrahim NB, et al. **Thorax** 1981 Jun;36(6):465–8

Treatment of foreign body obstruction of the upper airway. Hoffman JR. **West J Med** 1982 Jan;136(1):11–22

Choristoma: esophageal stenosis, due to tracheobronchial remnants. Tubino P, et al. **Z Kinderchir** 1982 Jan;35(1):14–7

[Comparative study of tracheal organ cultures obtained from different bird donors] Gerganov G, et al. **Vet Med Nauki** 1982;19(1):11–20 (Eng. Abstr.) **(Bul)**

[Foreign bodies in otorhinolaryngology. A year's analysis] Debrie JC, et al. **Dakar Med** 1981;26(3):331–7 **(Fre)**

[Foreign body aspiration in an adult presenting as bronchial asthma] Lieberman D, et al. **Harefuah** 1982 Jan 1; 102(1):18–9 (Eng. Abstr.) **(Heb)**

[Two cases of broken stylet (author's transl)] Higuchi M, et al. **Masui** 1982 Feb;31(2):171–5 **(Jpn)**

[Bronchopulmonary changes caused by foreign bodies in the tracheobronchial tree] Zebrak J, et al. **Pediatr Pol** 1982 Feb–Mar;57(2–3):115–21 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

A new form of metaphyseal chondrodysplasia in two sibs: surgical treatment of tracheobronchial malacia and scoliosis. Kaitila II, et al. **Am J Med Genet** 1982 Apr; 11(4):415–24

Treatment of severe tracheobronchomalacia with continuous positive airway pressure (CPAP). Kanter RK, et al. **Anesthesiology** 1982 Jul;57(1):54–6

Management of tracheomegaly [letter] Ngeow YK. **Anesthesiology** 1982 Sep;57(3):248–9

Tracheal agenesis: a clinical approach. Buchino JJ, et al. **J Pediatr Surg** 1982 Apr;17(2):132–7

Neural tube defects and tracheo–esophageal dysraphism [letter] Baird PA. **Lancet** 1982 Sep 11;2(8298):615

A genetic factor controlling morphogenesis of the laryngotracheo–esophageal complex the mouse. Essien FB, et al. **Teratology** 1981 Oct;24(2):235–9

Prolonged wheezing and tracheal compression caused by an aberrant right subclavian artery. Maayan CH, et al. **Thorax** 1981 Oct;36(10):793–4

Tracheal agenesis. Siplovich L, et al. **Z Kinderchir** 1982 Jan; 35(1):12–3

[Laryngo–tracheo–oesophageal cleft and G–syndrome--interposition of a flap from the sternocleidomastoid muscle (author's transl)] Sauer H, et al. **Z Kinderchir** 1981 Jan;32(1):29–37 (Eng. Abstr.) **(Ger)**

[The usefulness of bronchoscopy and bronchography in the detection of congenital anomalies of the tracheobronchial tract in infants] Cvetković S, et al. **Srp Arh Celok Lek** 1981 Feb;109(2):249–55 **(Scc)**

[Complete laryngotracheoesophageal cleft. Report of a new case and review of the literature (author's transl)] García Mérida M, et al. **An Esp Pediatr** 1981 May;14(5):356–69 (Eng. Abstr.) **(Spa)**

[Laryngotracheoesophageal cleft] Baeza Herrera C, et al. **Bol Med Hosp Infant Mex** 1981 May–Jun;38(3):485–92 (Eng. Abstr.) **(Spa)**

ANALYSIS

Chemical composition of pathological human tracheobronchial mucus collected by fiberoptic bronchoscopy. Carubelli R, et al. **Adv Exp Med Biol** 1982; 144:393–5

Factors influencing the viscous properties of chicken tracheal mucins. Mian N, et al. **Biochim Biophys Acta** 1982 Jul 16; 717(1):41–8

Evidence for an A2/Ra adenosine receptor in the guinea–pig trachea. Brown CM, et al. **Br J Pharmacol** 1982 Jul; 76(3):381–7

Beta–adrenoceptors in intestine, atria and trachea of rabbit. Jagadeesh G, et al. **Indian J Med Res** 1982 Feb;75:311–21

Carbohydrate histochemistry of surface epithelium of rat trachea: backscatter and x–ray imaging. Bodner SM, et al. **Scan Electron Microsc** 1981;(Pt 2):105–14

ANATOMY & HISTOLOGY

Relation between tracheal size and forced expiratory volume in one second in young men. Osmanliev D, et al. **Am Rev Respir Dis** 1982 Jul;126(1):179–82

Direct dynamic measurements of tracheal diameter. Fouke JM, et al. **J Appl Physiol** 1981 Sep;51(3):767–71

The muscarinic receptors of airway smooth muscle: their characterization in vitro. Murlas C, et al. **J Appl Physiol** 1982 Apr;52(4):1084–91

[The physiological normal value of the measurement of transverse diameter of right lower pulmonary artery and trachea in the chest film of 1,000 normal individuals (author's transl)] Xiong JF. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):416–8 **(Chi)**

[Surgical anatomy of the tracheobronchopulmonary apparatus in the most common experimental animals] Farinon AM, et al. **Chir Patol Sper** 1981 Feb;29(1):1–13 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

[Reflex effects of cough reflex on the tracheobronchial vascular tone (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1981 Jul;78(1):9–16 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Globule leucocytes in the tracheal epithelium of rats. Vandenberghe MP, et al. **Acta Anat (Basel)** 1982; 111(3):268–76

Isolation of basal and mucous cell populations from rabbit trachea. Chilton BS, et al. **Am Rev Respir Dis** 1981 Dec; 124(6):723–7

Isolation, culture, and preliminary characterization of mucin–producing cells from trachea of the domestic fowl. Douglas WH, et al. **Anat Rec** 1982 Feb;202(2):285–96

The effects of carbon monoxide and hypoxic hypoxia on amine–containing cells in the tracheal epithelium of young rabbits. Echt R, et al. **Cell Tissue Res** 1982;224(1):129–35

Ion transport by canine tracheal mucosa: effect of elevation of cellular calcium. Al–Bazzaz F, et al. **Exp Lung Res** 1981 May;2(2):121–30

Mucous cells of the tracheobronchial tree in the ferret. Jacob S, et al. **Histochemistry** 1982;73(4):599–605

Detection, isolation, and analysis of a released Bordetella pertussis product toxic to cultured tracheal cells. Goldman WE, et al. **Infect Immun** 1982 May;36(2):782–94

Ultrastructural localization of acidic glycoconjugates with the low iron diamine method. Takagi M, et al. **J Histochem Cytochem** 1982 May;30(5):471–6

An improved system for studying the effect of Bordetella bronchiseptica on the ciliary activity of canine tracheal epithelial cells. Bemis DA, et al. **J Infect Dis** 1981 Oct; 144(4):349–57

Mucus–secreting glands and goblet cells in the trachea of the deer mouse, Peromyscus leucopus. Gatto LA, et al. **Trans Am Microsc Soc** 1981 Oct;100(4):355–65

[Effect of bromhexine on the tracheal secretory cells with enhanced mucus synthesis by pilocarpine treatment (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1981 Jul;78(1):17–25 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Investigations on possible presynaptic effect of adenosine and noradrenaline on cholinergic neurotransmission in guinea pig trachea. Grundström N, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):158–60

Dissociation between the effects of some xanthine derivatives on the tracheal smooth muscle and on the skeletal muscle. Jeppsson AB, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):115–21

Effects of penicillins in vitro on mucociliary activity of rabbit trachea. Toremalm NG, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):103–7

Cholinergic responses in different sections of rat airways. Vornanen M, et al. **Acta Physiol Scand** 1981 Oct; 113(2):177–82

Effects of trapidil on musculature and vasculature of the dog trachea in situ. Maruyama M, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):307–12

Tolerance of guinea–pig airway muscle preparations to relaxant agonists induced by chronic exposure to isoprenaline in vivo. Brink C. **Br J Pharmacol** 1981 May; 73(1):13–9

Dual effects of catecholamines on pre– and post–junctional membranes in the dog trachea. Ito Y, et al. **Br J Pharmacol** 1982 Mar;75(3):433–40

Effects of glyceryl trinitrate and SIN–1A on musculature and vasculature of the dog trachea in situ. Maruyama M, et al. **Br J Pharmacol** 1981 May;73(1):9–11

A comparison of antigen–induced and calcium ionophore A23187 induced contraction of isolated guinea pig trachea. Burka JF, et al. **Can J Physiol Pharmacol** 1981 Oct; 59(10):1031–8

Pharmacological study of the contractile activity of leukotriene C4 and D4 on isolated human airway smooth muscle. Jones TR, et al. **Can J Physiol Pharmacol** 1982 May;60(5):638–43

Prevention and reversal by a retinoid of 3,4–benzpyrene– and cigarette smoke condensate–induced hyperplasia and metaplasia of rodent respiratory epithelia in organ culture. Lasnitzki I, et al. **Cancer Treat Rep** 1982 Jun;66(6):1375–80

Cytotoxicity and ciliostasis in tracheal explants exposed to cadmium salts. Gabridge MG, et al. **Environ Health Perspect** 1982 Apr;44:189–95

Relaxation of the guinea–pig trachea induced by platelet–activating factor and by serotonin. Prancan A, et al. **Eur J Pharmacol** 1982 May 7;80(1):29–35

Bordetella pertussis–induced impairment of relaxation of rat trachea to isoprenaline and histamine and its reversal with hydrocortisone. Norris AA, et al. **Int Arch Allergy Appl Immunol** 1982;67(4):387–9

Intrinsic activity of labetalol on guinea–pig isolated trachea. Carpenter JR. **J Pharm Pharmacol** 1981 Dec;33(12):806–7

A quantitative analysis of histamine H2–receptor–mediated relaxation of rabbit trachea. Kenakin TP, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):353–7

Fly ash–induced changes in hamster tracheal epithelium in vivo and in vitro. Schiff LJ, et al. **J Toxicol Environ Health** 1981 Sep;8(3):431–48

Effects of amrinone on the tracheal musculature and vasculature of the dog. Maruyama M, et al. **Jpn J Pharmacol** 1981 Dec;31(6):1095–7

Effects of expectorants on the canine tracheal ciliated cells. Yanaura S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):957–65

Effects of beta–adrenoceptor stimulants on the canine tracheal ciliated cells. Yanaura S, et al. **Jpn J Pharmacol** 1981 Dec;31(6):951–6

Responsiveness of isolated tracheal smooth muscle in a canine model of asthma. Rubinfeld AR, et al. **Lung** 1982; 160(2):99–107

Comparative potency and pharmacology of isomers of leukotriene D4 on guinea–pig trachea: requirement for a 5(S)6(R) configuration. Tsai BS, et al. **Prostaglandins** 1982 Apr;23(4):489–506

The actions of 5–, 12–, and 15–HETE on tracheobronchial smooth muscle. Copas JL, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):105–14

Comparison of the effect of aerosols of four mucolytic solutions on the ultrastructure of the tracheal epithelium in rabbits. Konrádová V, et al. **Respiration** 1982;43(1):64–71

The effects of nasal drops on the ciliary beat frequency of chicken embryo tracheas. van de Donk HJ, et al. **Rhinology** 1981 Dec;19(4):215–30

Bronchodilator potential of nifedipine in vitro. Joubert P, et al. **S Afr Med J** 1982 Aug 14;62(8):247–8

Effects of cadmium and zinc on canine tracheal bioelectric properties. Stutts MJ, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):147–54

Effects of tobacco smoke compounds on the ciliary activity of the embryo chicken trachea in vitro. Pettersson B, et al. **Toxicology** 1982;23(1):41–55

[Comparison of potencies of six beta–adrenoceptive blocking drugs in isolated rabbit atrium and guinea–pig trachea (author's transl)] Mao YK, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Sep;1(1):7–12 (Eng. Abstr.) **(Chi)**

[Pharmacodynamic aspects of reproterol] Marmo E. **Clin Ter** 1981 Sep 15;98(5):481–500 (Eng. Abstr.) **(Ita)**

[Effects of anesthetics and adjuvants on the airway tone (author's transl)] Koga Y. **Masui** 1982 Mar;31(3):203–15 (Eng. Abstr.) **(Jpn)**

[Effect of leukotriene C4 and D4 on isolated guinea pig tracheal strips (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Apr;20(4):391–7 (Eng. Abstr.) **(Jpn)**

[Comparative responses of various parts of the tracheo–bronchial tree to bronchoactive agents (author's transl)] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar;20(3):264–8 (Eng. Abstr.) **(Jpn)**

[Histological and histochemical changes of tracheal secretory cells following bromhexine treatment (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1981 Jun; 77(6):559–68 (Eng. Abstr.) **(Jpn)**

EMBRYOLOGY

A proposed mechanism for the early development of the human tracheobronchial tree. Hutchins GM, et al. **Anat Rec** 1981 Dec;201(4):635–40

Inhibitors of prostaglandin synthesis, tracheal fluid, and surfactant in fetal lambs. Kitterman JA, et al. **J Appl Physiol** 1981 Dec;51(6):1562–7

Induction of supernumerary tracheal buds and the stimulation of DNA synthesis in the embryonic chick lung and trachea by epidermal growth factor. Goldin GV, et al. **J Embryol Exp Morphol** 1980 Dec;60:235–43

Effects of hypercapnia on tracheal pressure, diaphragm and intercostal electromyograms in unanaesthetized fetal lambs. Dawes GS, et al. **J Physiol (Lond)** 1982 May;326:461–74

ENZYMOLOGY

Endogenous peroxidase in the conducting airways of hamsters: morphologic evidence of synthesis and secretion. Christensen TG, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):341–6

Distribution of antileukoprotease in upper respiratory mucosa. Fryksmark U, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):268–71

Induction of ornithine decarboxylase in hamster tracheal epithelial cells exposed to asbestos and 12–O–tetradecanoylphorbol–13–acetate. Landesman JM, et al. **Cancer Res** 1982 Sep;42(9):3669–75

A comparative study of lysozyme and its secretion by tracheal epithelium. Konstan MW, et al. **Exp Lung Res** 1982 May;3(2):175–81

Mucin biosynthesis. Characterization of UDP–galactose: alpha–N–acetylgalactosaminide beta 3 galactosyltransferase from human tracheal epithelium. Cheng PW, et al. **J Biol Chem** 1982 Jun 10;257(11):6251–8

Purification and properties of UDP–gal:N–acetylgalactosaminide mucin: beta 1,3–galactosyltransferase from swine trachea mucosa. Mendicino J, et al. **J Biol Chem** 1982 Apr 10;257(7):3987–94

Biosynthesis of galactosyl–beta 1,3–N–acetylglucosamine. Sheares BT, et al. **J Biol Chem** 1982 Jan 25;257(2):599–602

In vitro effects of reproterol upon tracheo– bronchial, cardiac and cerebral adenylcyclase. Marmo E, et al. **Res Commun Chem Pathol Pharmacol** 1982 Mar; 35(3):389–95

GROWTH & DEVELOPMENT

Tracheal epithelium: cell kinetics and differentiation in normal rat tissue. Donnelly GM, et al. **Cell Tissue Kinet** 1982 Mar;15(2):119–30

IMMUNOLOGY

Antigen–induced recruitment of circulating lymphocytes to the lungs and hilar lymph nodes of mice challenged intratracheally with alloantigens. Emeson EE, et al. **Am Rev Respir Dis** 1982 Apr;125(4):453–9

Antigen–induced release of histamine from rat tissues in vitro: dissociation in development of serosal mast cell, lung tissue, and tracheal tissue response capacity. Bergstrand H, et al. **Int Arch Allergy Appl Immunol** 1982;68(4):342–51

Cellular dissemination of priming for a mucosal immune response to cholera toxin in rats. Pierce NF, et al. **J Immunol** 1981 Dec;127(6):2461–4

[Antibody concentration in tracheal extracts, lung extracts, and serum of mice following intratracheal and intraperitoneal immunization] Alekseeva NE. **Fiziol Zh** 1981 Nov–Dec;27(6):829–31 **(Rus)**

INJURIES

Laser–induced endotracheal tube fire. Cozine K, et al. **Anesthesiology** 1981 Nov;55(5):583–5

Traumatic extubation with laryngotracheal injury. [letter] Knoop JD. **J Ky Med Assoc** 1982 Jan;80(1):43

Traumatic extubation with laryngotracheal injury. Nagaraj HS, et al. **J Ky Med Assoc** 1981 Oct;79(10):652–3

Use of the silicone tracheal T–tube for the management of complex tracheal injuries. Cooper JD, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):559–68

Clinical spectrum of blunt tracheobronchial disruption illustrated by seven cases. Mills SA, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):49–58

Bullet wounds of the trachea. Symbas PN, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):235–8

Avulsion of the innominate artery from the aortic arch associated with a posterior tracheal tear. O'Neill MJ Jr, et al. **J Trauma** 1982 Jan;22(1):56–9

Acute management of laser–ignited intratracheal explosion. Schramm VL Jr, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1417–26

Injury of cilia induced by tracheal tube cuffs. Sanada Y, et al. **Surg Gynecol Obstet** 1982 May;154(5):648–52

[Tracheal rupture caused by a Carlens tube during general anesthesia] Iordanov E. **Khirurgiia (Sofiia)** 1981;34(4):384–6 **(Bul)**

[Tracheal injuries caused by cuffed tracheostomy tubes (with a report of 21 cases) (author's transl)] Chen X, et al. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):229–32 (Eng. Abstr.) **(Chi)**

[Treatment of post–traumatic laryngo–tracheal detachment with fracture of the cricoid cartilage and avulsion of the recurrent nerves] Couraud L, et al. **J Fr Otorhinolaryngol** 1981 Nov;30(9):591–4 **(Fre)**

[Perforation of the trachea. A lethal complication following tracheostomy prolonged ventilation caused by faulty material (author's transl)] Mauritz W, et al. **Anaesthesist** 1982 May;31(5):262–4 (Eng. Abstr.) **(Ger)**

[Late laryngeal and tracheal complications after prolonged naso–tracheal intubation (author's transl)] Hausmann D, et al. **Anasth Intensivther Notfallmed** 1981 Aug;16(4):211–5 (Eng. Abstr.) **(Ger)**

[Mediastinal emphysema caused by tracheal injury in childhood] Nagy A, et al. **Orv Hetil** 1981 Jun 14; 122(24):1463–4 **(Hun)**

[Laryngotracheal sequelae following intubation] Pinto JA, et al. **AMB** 1981 Aug;27(8):231–3 (Eng. Abstr.) **(Por)**

[Early changes in the tracheal mucosa induced by intubation observed by scanning electron microscopy] Del Cañizo Alvarez A, et al. **An Otorrinolaringol Ibero Am** 1981; 8(5):369–80 **(Spa)**

INNERVATION

Pharmacological characterization of the autonomous innervation of the guinea pig tracheobronchial smooth muscle. Grundström N, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):150–7

Morphology and response to vagus nerve section of the intra–epithelial axons of the rat trachea. A quantitative ultrastructural study. Hoyes AD, et al. **J Anat** 1981 May; 132(Pt 3):331–9

Location in the nodose ganglion of the perikarya of neurons whose axons distribute in the epithelium of the rat trachea. Hoyes AD, et al. **J Anat** 1982 Mar;134 (Pt 2):265–71

Adrenergic and non–adrenergic inhibitory nerves in mammalian airways. Doidge JM, et al. **J Auton Nerv Syst** 1982 Mar;5(2):83–99

Effect of capsaicin on the intraperitoneal axons of the rat trachea. Hoyes AD, et al. **Neurosci Lett** 1981 Nov 4; 26(3):329–34

[Sympathetic innervation of tracheal smooth muscle in the dog] Taĭvan IL, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):344–9 (Eng. Abstr.) **(Rus)**

METABOLISM

A model for aeroso! deposition in the human tracheobronchial region. Cheng YS, et al. **Am Ind Hyg Assoc J** 1981 Nov;42(11):771–6

Modeling the dose distribution of H_2SO_4 aerosols in the human tracheobronchial tree. Martonen TB, et al. **Am Ind Hyg Assoc J** 1981 Jun;42(6):453–60

The effect of pilocarpine on vesicular uptake and transport of horseradish peroxidase by the guinea pig tracheal epithelium. Ranga V, et al. **Am Rev Respir Dis** 1982 May; 125(5):579–85

Physicochemical properties of avian tracheal mucus. Mian N, et al. **Biochem J** 1982 Mar 1;201(3):533–42

Mycoplasma pneumoniae proteins that selectively bind to host cells. Krause DC, et al. **Infect Immun** 1982 Jul; 37(1):382–6

Interrelationship between alpha– and beta–adrenergic agonists and histamine in canine airways. Leff AR, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):300–9

Regional differences in bioelectric properties and ion flow in excised canine airways. Boucher RC, et al. **J Appl Physiol** 1981 Sep;51(3):706–14

Diffusion barriers to passive lipid uptake of canine posterior tracheal epithelium. Man SF, et al. **J Appl Physiol** 1982 May;52(5):1223–9

Effect of calcium on sulfated mucous glycoprotein secretion in dog trachea. Marin MG, et al. **J Appl Physiol** 1982 Jan; 52(1):198–205

Detection of chemical carcinogens by assay of unscheduled DNA synthesis in rat tracheal epithelium in short–term organ culture. Ide F, et al. **J Cancer Res Clin Oncol** 1981; 102(2):115–26

Computation of ammonium bisulfate aerosol deposition in conducting airways. Martonen TB, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):1001–14

Effect of pilocarpine on behavior of mucus glycoproteins of canine tracheal secretory cells. Yanaura S, et al. **Jpn J Pharmacol** 1982 Feb;32(1):29–35

Comparison of muscarinic and beta adrenergic receptors between bovine peripheral lung and tracheal smooth muscles: a striking difference in the receptor concentration. Cheng JB, et al. **Life Sci** 1982 Jun 14;30(24):2079–86

The extraneuronal O–methylation of 3H–(+)isoprenaline by guinea–pig tracheal rings in vitro. Garland LG, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(2):88–93

Primary hyperinsulinemia reduces surface active material flux in tracheal fluid of fetal lambs. Warburton D, et al. **Pediatr Res** 1981 Nov;15(11):1422–4

Immunological and non–immunological synthesis and release of prostaglandins and thromboxanes from isolated guinea pig trachea. Burka JF, et al. **Prostaglandins** 1981 Nov; 22(5):683–91

Effects of ammonium and nitrate salts on Ion transport across the excised canine trachea. Stutts MJ, et al. **Toxicol Appl Pharmacol** 1981 Aug;60(1):91–105

[Morphofunctional changes in the glands of the tracheobronchial system following gamma globulin administration] Syrtsov VK. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):79–86 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Mycoplasma pneumoniae infection of intact guinea pig tracheas cultured in a unique matrix–embed/perfusion system. Gabridge MG, et al. **In Vitro** 1981 Oct; 17(10):847–58

Topics in clinical microbiology: tracheostomy and endotracheal tube specimens. Stratton CW. **Infect Control** 1981 Mar–Apr;2(2):162–4

Attachment of Mycoplasma pneumoniae to hamster tracheal organ cultures, tracheal outgrowth monolayers, human erythrocytes, and WiDr human tissue culture cells. Chandler DK, et al. **Infect Immun** 1982 Mar;35(3):937–42

Identification of Mycoplasma pneumoniae proteins associated with hemadsorption and virulence. Krause DC, et al. **Infect Immun** 1982 Mar;35(3):809–17

Capsular material of Mycoplasma gallisepticum and its possible relevance to the pathogenic process. Tajima M, et al. **Infect Immun** 1982 May;36(2):830–3

Long–term mouse cytomegalovirus infection of tracheal organ culture: relation to host cell replication. Nedrud JG, et al. **J Gen Virol** 1982 Jun;60(Pt 2):247–59

Prediction of tracheobronchial colonization in current cigarette smokers with chronic obstructive bronchitis. Irwin RS, et al. **J Infect Dis** 1982 Feb;145(2):234–41

Aspiration of gastric bacteria in antacid–treated patients: a frequent cause of postoperative colonisation of the airway. du Moulin GC, et al. **Lancet** 1982 Jan 30;1(8266):242–5

Influence of temperature of incubation on chicken embryo tracheal organ cultures and chick embryos infected with strains of avian infectious bronchitis virus. Yachida S, et al. **Res Vet Sci** 1981 Jul;31(1):14–8

[Method for determining the number of Escherichia coli in the trachea of chickens (author's transl)] Dho M, et al. **Ann Rech Vet** 1981;12(3):239–42 **(Fre)**

PATHOLOGY

A new tracheostomy tube. III. Bronchofiberoptic examination of the trachea after prolonged intubation with the NL tracheostomy tube. Lomholt N, et al. **Acta Anaesthesiol Scand** 1981 Oct;25(5):407–11

Tracheal aspiration cytology in neonates with respiratory distress: histopathologic correlation. Doshi N, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):15–21

Cytotoxic activity of pathogenic Alcaligenes faecalis in turkey tracheal organ cultures. Gray JG, et al. **Am J Vet Res** 1981 Dec;42(12):2184–6

Tracheal mucosal damage after aspiration. A scanning electron Microscope study. Wynne JW, et al. **Am Rev Respir Dis** 1981 Dec;124(6):728–32

Tracheostomal stenosis following total laryngectomy. Myers EN, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):450–3

Differential distribution of virus and histological damage in the lower respiratory tract of ferrets infected with influenza viruses of differing virulence. Sweet C, et al. **J Gen Virol** 1981 May;54(Pt 1):103–14

Asbestos carcinogenesis: asbestos interactions and epithelial lesions in cultured human tracheobronchial tissues and cells. Haugen A, et al. **Recent Results Cancer Res** 1982; 82:32–42

[The significance of 'Saber–sheath' trachea in diagnosis of cor pulmonale (author's transl)] Gu Y. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):149–50 (Eng. Abstr.) **(Chi)**

[Clinical conference at the Institute of Pulmonary Cancer Research, School of Medicine, University of Chiba. 1. Preoperative evaluation of pulmonary cancer of the right hilus invading the lower trachea] **Kyobu Geka** 1981 May; 34(5):404–7 **(Jpn)**

PHYSIOLOGY

The development of an in vivo model for the evaluation of drugs affecting tracheal mucus. Readman AS, et al. **Adv Exp Med Biol** 1982;144:419–21

Biological activity of leukotriene C4 in guinea pigs: in vitro and in vivo studies. Folco GC, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:153–67

Ion contents and other properties of isolated cells from dog tracheal epithelium. Widdicombe JH, et al. **Am J Physiol** 1981 Nov;241(5):C184–92

Measurements of transepithelial electric potential differences in the trachea and bronchi of human subjects in vivo. Knowles MR, et al. **Am Rev Respir Dis** 1982 Jul; 126(1):108–12

Constrictor effect of cotton bract extract on isolated canine airways. Russell JA, et al. **Am Rev Respir Dis** 1982 Jun; 125(6):727–33

Endotracheal tube cuff residual volume and lateral wall pressure in a model trachea. Tonnesen AS, et al. **Anesthesiology** 1981 Dec;55(6):680–3

Manifestation of latent alpha–excitatory response in the canine tracheal smooth muscle preparation––relation to basal tone. Ohno Y, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):205–16

Ciliary beat frequency of biopsy samples taken from normal persons and patients with various lung diseases. Konietzko N, et al. **Chest** 1981 Dec;80(6 Suppl):855–7

The effects of irritant aerosols on mucus clearance from large and small conductive airways. Lippmann M, et al. **Chest** 1981 Dec;80(6 Suppl):873–7

Ciliary function in mucus transport. Sleigh MA. **Chest** 1981 Dec;80(6 Suppl):791–5
Effects of drugs on mucociliary transport in the trachea and bronchial airways. Yeates DB, et al. **Chest** 1981 Dec;80(6 Suppl):870–3
Measurement of tracheal airflow in newborns by a differential flow system. Ruttimann UE, et al. **Crit Care Med** 1981 Nov;9(11):801–4
Effect of Mount St. Helens ash on the response of rat trachea to smooth muscle agonists. Fedan JS, et al. **Environ Res** 1981 Dec;26(2):497–502
Regeneration of rat tracheal epithelium: changes in gap junctions during specific phases of the cell cycle. Gordon RE, et al. **Exp Lung Res** 1982 Feb;3(1):47–56
Tracheal contraction and relaxation initiated by lung and somatic afferents in dogs. Coleridge JC, et al. **J Appl Physiol** 1982 Apr;52(4):984–90
Comparison of tracheal mucous transport in rats, guinea pigs, rabbits, and dogs. Felicetti SA, et al. **J Appl Physiol** 1981 Dec;51(6):1612–7
Contractile force of canine tracheal smooth muscle during continuous stretch. Gunst SJ, et al. **J Appl Physiol** 1982 Mar;52(3):655–63
Resistance of mucus–lined tubes to steady and oscillatory airflow. King M, et al. **J Appl Physiol** 1982 May; 52(5):1172–6
Measurement of airway response by isometric and nonisometric techniques in situ. Leff AR, et al. **J Appl Physiol** 1982 May;52(5):1363–7
Coordination of mucociliary transport in human trachea and intrapulmonary airways. Yeates DB, et al. **J Appl Physiol** 1981 Nov;51(5):1057–64
Direct recordings of the temperatures in the tracheobronchial tree in normal man. McFadden ER Jr, et al. **J Clin Invest** 1982 Mar;69(3):700–5
Comparison of ciliostasis by mycoplasmas in mouse and chicken tracheal organ cultures. Araake M. **Microbiol Immunol** 1982;26(1):1–14
A purified serum glycopeptide from controls and cystic fibrosis patients. I. Comparison of their mucociliary activity on rabbit tracheal explants. Blitzer MG, et al. **Pediatr Res** 1982 Mar;16(3):203–8
Volume flow, hydraulic conductivity and electrical properties across bovine tracheal epithelium in vitro: effect of histamine. Durand J, et al. **Pflugers Arch** 1981 Nov; 392(1):40–5
Demonstration of high levels of erythropoietin in rat kidneys following hypoxic hypoxia. Jelkmann W, et al. **Pflugers Arch** 1981 Nov;392(1):34–9
Information arising from the tracheobronchial tree of mammals. Sant'Ambrogio G. **Physiol Rev** 1982 Apr; 62(2):531–69 (144 ref.)
Serum complement (C'3a and C'5)–induced inhibition of rabbit tracheal cilia. Kennedy JR, et al. **Prog Clin Biol Res** 1982;80:71–5
Movement and coordination of tracheal cilia and the relation of these to mucus transport. Sleigh MA. **Prog Clin Biol Res** 1982;80:19–24 (13 ref.)
Pressure––volume relationships of tracheae in fetal newborn and adult rabbits. Bhutani VK, et al. **Respir Physiol** 1981 Mar;43(3):221–31
Impedance of the lower respiratory system in ducks measured by forced oscillations during normal breathing. Gillespie JR, et al. **Respir Physiol** 1982 Jan;47(1):51–68
The progressive onset of spontaneous and induced fetal breathing. Moss IR, et al. **Respir Physiol** 1981 Sep; 45(3):299–308
Effect of intermittent positive pressure application on the bulk modulus of the developing rabbit trachea. Bhutani VK, et al. **Respiration** 1981;41(3):192–8
Correlation between the sensitivity of the ciliary beat frequency of human adenoid tissue and chicken embryo tracheas for some drugs. van de Donk HJ, et al. **Rhinology** 1982 Jun;20(2):81–7
Effect of lymphocytes and broncho–alveolar washing cells on the replication of bovine herpesvirus type 1 in tracheal organ cultures. Bouffard A, et al. **Vet Microbiol** 1982 Jul; 7(3):241–51
[Measuring intratracheal pressure in sheep fetuses in utero] Müller–Tyl E, et al. **Z Geburtshife Perinatol** 1981 Dec; 185(6):354–9 (Eng. Abstr.) **(Ger)**
[Tracheobronchial mucociliary clearance. Physiopathologic significance and clinical importance] Todisco T, et al. **Recenti Prog Med** 1981 Oct;71(4):400–4 **(Ita)**
[Airway reflexes and their receptors (author's transl)] Nishino T, et al. **Kokyu To Junkan** 1982 Apr;30(4):346–51 **(Jpn)**
[Comparison of the effect of PGD2 and PGF2 alpha on guinea pig tracheal strips (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep; 18(9):634–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Effects of cystic fibrosis serum and cell culture medium on the mucociliary activity of the respiratory tract. An in vitro study in rabbits. Tegner H, et al. **Acta Paediatr Scand** 1981 Sep;70(5):629–33
Ciliary motility in airway anaphylaxis. Maurer DR, et al. **Prog Clin Biol Res** 1982;80:67–70
Influence of lung inflation on the cross–sectional area of central airways in normals and in patients with lung disease. Baier H, et al. **Respiration** 1981;41(3):145–54
[Muco–ciliary clearance and the ultrastructure of cilia. II. Evaluation of muco–ciliary transport in the trachea using bronchofibroscopy (modified Sackner method)] Olivieri D, et al. **Arch Monaldi** 1980 Sep–Dec;35(5–6):265–71 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Normal azygos arch: retrotracheal visualization on frontal chest tomograms. Austin JH, et al. **AJR** 1981 Dec; 137(6):1205–8
Computed tomography of the trachea: normal and abnormal. Gamsu G, et al. **AJR** 1982 Aug;139(2):321–6
Computed tomography of the trachea: a review. Kittredge RD. **CT** 1981 Mar;5(1):44–50
Prognostic significance of paratracheal soft tissue in lung cancer. Mohammed SH, et al. **Eur J Radiol** 1981 Aug; 1(3):200–3
Xeroradiographic evaluation of obstructive lesions of the larynx and trachea. Heller RM, et al. **J Pediatr Surg** 1981 Oct;16(5):691–3
The right paratracheal stripe in blunt chest trauma. Woodring JH, et al. **Radiology** 1982 Jun;143(3):605–8
[Assessment of the tracheal cross–section by computerised tomography (author's transl)] Imhof H, et al. **Rontgenblatter** 1982 Jan;35(1):17–8 (Eng. Abstr.) **(Ger)**
[The right paratracheal stripe––an aid in the evaluation of upper mediastinal disease (author's transl)] Neufang KF, et al. **Rontgenblatter** 1982 Mar;35(3):90–6 (Eng. Abstr.) **(Ger)**
[Directed (selective) zonography of the tracheobronchial tree] Koroliuk IP, et al. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):13–9 **(Rus)**
[Method of computing the bifurcation section in tomography of the tracheobronchial tree] Sirenko II. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):73–4 **(Rus)**

SECRETION

The effect of serum on the secretion of radiolabeled mucous macromolecules into the lumen of the cat trachea. Peatfield AC, et al. **Am Rev Respir Dis** 1982 Feb;125(2):210–5
Mucous glycoproteins from cat tracheal goblet cells and mucous glands separated with EDTA. Sherman JM, et al. **Am Rev Respir Dis** 1981 Oct;124(4):476–9
Quantitation of radiolabeled mucous glycoproteins secreted by tracheal explants. Cheng PW, et al. **Anal Biochem** 1981 Nov 1;117(2):301–6
Hormonal control of chloride secretion by canine tracheal epithelium: an electrophysiologic analysis. Frizzell RA, et al. **Ann NY Acad Sci** 1981;372:558–70
Detection of inhibitors in chicken tracheal washings against Mycoplasma gallisepticum. Slavik MF, et al. **Avian Dis** 1982 Jan–Mar;26(1):118–26
Isolation, purification, and properties of respiratory mucus glycoproteins. Woodward H, et al. **Biochemistry** 1982 Feb 16;21(4):694–701
Lipid composition of tracheobronchial secretions from normal individuals and patients with cystic fibrosis. Slomiany A, et al. **Biochim Biophys Acta** 1982 Jan 15; 710(1):106–11
Effect of aerosolized bronchodilators on viscoelastic properties of canine tracheal mucus. King M, et al. **Chest** 1981 Dec;80(6 Suppl):852–4
Reflex stimulation of tracheal mucus gland secretion by gastric irritation in cats. German VF, et al. **J Appl Physiol** 1982 May;52(5):1153–5
Effect of cholera toxin on secretion of mucin by explants of guinea pig trachea. Adler KB, et al. **Lab Invest** 1981 Oct;45(4):372–7
In vivo sampling and biochemistry of tracheobronchial secretions in the fowl. Influence of sulfurdioxide inhalation. Bauer E. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):547–50
Branhamella catarrhalis in respiratory secretions: clinical correlation in 16 cases. von Graevenitz A, et al. **South Med J** 1981 Sep;74(9):1095–6
[The diagnostic value of quantitative bacteriology in tracheal aspirates compared to lung biopsy (author's transl)] Borderon E, et al. **Rev Fr Mal Respir** 1981;9(3):229–39 (Eng. Abstr.) **(Fre)**
[Influence of physical chest therapy in mechanically ventilated newborn infants on the amount of secretions removed from the trachea (author's transl)] Coradello H, et al. **Klin Padiatr** 1982 Jan;194(1):8–10 (Eng. Abstr.) **(Ger)**
[Measurement of viscosity in tracheal–bronchosecretion (author's transl)] Kuschnir H. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):93–4 **(Ger)**
[Secretagogue action of glyceryl guaiacolate in tracheal submucosal glands (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1982 Jan;79(1):57–64 (Eng. Abstr.) **(Jpn)**

SURGERY

laryngotracheal autograft: an alternate food conduit. Bell RM, et al. **Am J Surg** 1981 Sep;142(3):407–12
Carcinoma of the lung: what can be done if the carina is involved? Grillo HC. **Am J Surg** 1982 Jun;143(6):694–5
Large–segment tracheal resection and interannular anastomosis with a tension–release technique in the dog. Dallman MJ, et al. **Am J Vet Res** 1982 Feb;43(2):217–23
Venturi for tracheal surgery [letter] Selby DG, et al. **Anaesth Intensive Care** 1982 May;10(2):166–7
Laryngotracheal reconstruction in children. Five–year follow–up. Cotton RT, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):516–20
Resection of the trachea infiltrated by thyroid carcinoma. Ishihara T, et al. **Ann Surg** 1982 Apr;195(4):496–500
The use of diaphragmatic pedicle grafts for reconstructive procedures in the esophagus and tracheobronchial tree. Westaby S, et al. **Ann Thorac Surg** 1982 May;33(5):486–90
Prevention of tracheal stricture in end–to–end anastomosis. Nordin U, et al. **Arch Otolaryngol** 1982 May;108(5):308–14
The Singer–Blom voice restoration procedure. Wetmore SJ, et al. **Arch Otolaryngol** 1981 Nov;107(11):674–6
Tracheopexy – aorto–tracheal suspension for severe tracheomalacia. Cohen D. **Aust Paediatr J** 1981 Jun; 17(2):117–21
Tracheobronchial foreign body in a pony. Urquhart KA, et al. **Equine Vet J** 1981 Oct;13(4):262–4
Reconstruction of the laryngotracheal complex in children using the sternocleidomastoid myocutaneous flap. Eliachar I, et al. **Head Neck Surg** 1981 Sep–Oct;4(1):16–21
Reconstruction of the trachea after resection for neoplasm. Grillo HC. **Head Neck Surg** 1981 Sep–Oct;4(1):2–8
Tracheal reconstruction with free periosteal grafts. An experimental study on rabbits. Kufaas T. **Scand J Thorac Cardiovasc Surg [Suppl]** 1981;31:1–63
[Reconstruction of carina (author's transl)] Cao XS. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):144–5 (Eng. Abstr.) **(Chi)**
[Resection and reconstruction of trachea, carina and bronchus (author's transl)] Li HW. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):135–8 (Eng. Abstr.) **(Chi)**
[Pneumonectomy and resection of carina for cancer (author's transl)] Pei GT. **Chung Hua Wai Ko Tsa Chih** 1982 Mar; 20(3):141–3 (Eng. Abstr.) **(Chi)**
[Sleeve resection of endothoracic trachea and bronchi: an appraisal and observation of effect (author's transl)] Sun YQ. **Chung Hua Wai Ko Tsa Chih** 1982 Mar;20(3):131–4 (Eng. Abstr.) **(Chi)**
[Substitution of a tracheal segment with a prosthesis in an experiment] Strnad J. **Rozhl Chir** 1981 Mar;60(3):200–4 (Eng. Abstr.) **(Cze)**
[Surgery of tracheo–bronchial foreign bodies in infants and children. Report on six cases (author's transl)] Essomba R, et al. **Ann Chir** 1982 Feb;36(2):126–8 (Eng. Abstr.) **(Fre)**
[An experimental study of 'slowly resorbed suture material' in the tracheal sutures (author's transl)] Sezeur A, et al. **Ann Chir** 1982 Feb;36(2):121–5 (Eng. Abstr.) **(Fre)**
[Tracheoplasty employing the nasal septum in an extensive papillary cancer of the thyroid (author's transl)] Gandon J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):471–4 (Eng. Abstr.) **(Fre)**
[Extended resection of the trachea. Anatomical study, limitations, pulmonary consequences (author's transl)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):425–30 (Eng. Abstr.) **(Fre)**
[Wound healing of tracheal anastomoses] Valesky A, et al. **Chirurg** 1981 Oct;52(10):648–53 (Eng. Abstr.) **(Ger)**
[A new silicone prosthesis for reconstructive surgery of hypopharynx, larynx and trachea (author's transl)] Weerda H. **HNO** 1982 Jun;30(6):219–23 **(Ger)**
[Anastomotic technique in tracheal resection. Animal experiments (author's transl)] Scheele J, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar;61(3):107–14 (Eng. Abstr.) **(Ger)**
[Anesthesiological problems in tracheal resection operations. Clinical contribution] Oddi N, et al. **Minerva Anestesiol** 1981 Dec;47(12):845–50 (Eng. Abstr.) **(Ita)**
[A five–year–old child with tube tip stenosis treated by end–to–end anastomosis of trachea (author's transl)] Maeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan; 30(1):98–103 (Eng. Abstr.) **(Jpn)**
[Heterologous implantation of the dura mater in the trachea. Experimental study] Dias AR, et al. **AMB** 1981 Mar; 27(3):99–102 (Eng. Abstr.) **(Por)**
[Cryosurgery of trachea and bronchi (literature review)] Rusakov MA. **Grudn Khir** 1981 Sep–Oct;(5):66–71 (22 ref.) **(Rus)**
[Reconstructive plastic operations in surgical and combined treatment of lung cancer] Kharchenko VP, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):65–9 (Eng. Abstr.) **(Rus)**
[Surgical approaches to the trachea] Bagirov MM. **Klin Khir** 1981 Oct;(10):25–7 (Eng. Abstr.) **(Rus)**
[Extensive pneumonectomies with resection of the tracheal bifurcation] Maslov VI. **Vestn Khir** 1982 Jan;128(1):25–30 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

[Experimental study of superior vena caval replacement with glutaraldehyde–tanned tracheal biograft (author's transl)] Yozu R. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep; 29(9):1459–69 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

EDTA–mediated separation of cat tracheal lining epithelium. Tandler B, et al. **Am Rev Respir Dis** 1981 Oct;124(4):469–75
Tracheal mucosal damage after aspiration. A scanning electron Microscope study. Wynne JW, et al. **Am Rev Respir Dis** 1981 Dec;124(6):728–32

Early detection of tracheal damage in chickens by scanning electron microscopy. Hod I, et al. **Avian Dis** 1982 Apr–Jun; 26(2):450–7

Scanning electron microscopy of tracheas from turkey poults infected with Alcaligenes faecalis. Saif YM, et al. **Avian Dis** 1981 Jul–Sep;25(3):730–5

An ultrastructural study of primary cilia, abnormal cilia and ciliary knobs from the ciliated cells of the guinea-pig trachea. Dalen H. **Cell Tissue Res** 1981;220(4):685–97

The significance of ultrastructural abnormalities of human cilia. Fox B, et al. **Chest** 1981 Dec;80(6 Suppl):796–9

Porcine tracheal goblet cell ultrastructure: a three-dimensional reconstruction. Adler KB, et al. **Exp Lung Res** 1982 Feb;3(1):69–80

Tracheal mucosae in asphyxia. Shintaku K, et al. **Igaku Kenkyu** 1981 Oct;51(4):207–10

Tracheal mucosae in starvation. Shintaku K, et al. **Igaku Kenkyu** 1981 Oct;51(4):211–2

Effect of inhaled hapten–protein conjugates on the respiratory epithelium, assessed using the scanning electron microscope. Beeson MF, et al. **Int Arch Allergy Appl Immunol** 1981;66 Suppl 1:89–92

The cells of the tracheobronchial epithelium of the mouse: a quantitative light and electron microscope study. Pack RJ, et al. **J Anat** 1981 Jan;132(Pt 1):71–84

The effects of structures attached to the tips of tracheal ciliary microtubules on the nucleation of microtubule assembly in vitro. Dentler WL, et al. **Prog Clin Biol Res** 1982;80:13–8

Response of hamster trachea in organ culture to Mount St. Helens volcano ash. Schiff LJ, et al. **Scan Electron Microsc** 1981;(Pt 2):169–78

Effect of tobacco smoke exposure on rat tracheal submucosal glands: an ultrastructural study. Lewis DJ, et al. **Thorax** 1981 Aug;36(8):622–4

The distribution of cationized ferritin receptors on ciliated epithelial cells of rat trachea. Moller PC, et al. **Tissue Cell** 1981;13(4):731–7

Scanning electron microscopical investigations on the respiratory epithelium of the Syrian golden hamster III. Regeneration after traumatic injury. Althoff J, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):249–59

[A scanning electron microscopic study of the tracheal mucosa damage after long-term translaryngeal intubation (author's transl)] Richter HG. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb;61(2):90–2 (Eng. Abstr.) **(Ger)**

[Studies on industrial styrene poisoning (part XII). Electron-microscopic observations on the mucosal membrane of respiratory tracts of rats exposed to styrene. (author's transl)] Ohashi Y, et al. **Sangyo Igaku** 1981 Sep; 23(5):513–29 (Eng. Abstr.) **(Jpn)**

TRACHEAL DISEASES

COMPLICATIONS

Tracheal coccidioidomycosis causing upper airway obstruction in children. Moskowitz PS, et al. **AJR** 1982 Sep;139(3):596–600

Mucormycosis of the trachea: an unusual cause of acute upper airway obstruction. Schwartz JR, et al. **Chest** 1982 May; 81(5):653–4

Tracheal diverticulum with recurrent apnea and segmental pulmonary atelectasis. Danis RK. **J Pediatr Surg** 1982 Apr; 17(2):182–3

Tracheobronchomegaly causing recurrent pneumonia. Reisz G, et al. **JAMA** 1981 Oct 9;246(15):1705–6

CONGENITAL

Air filled bronchogenic cyst presenting as a cervical mass in the newborn. Touloukian RJ. **J Pediatr Surg** 1982 Jun; 17(3):311–2

DIAGNOSIS

Tracheobronchopathia osteochondroplastica. A clinical bronchoscopic and spirometric study. Lundgren R, et al. **Chest** 1981 Dec;80(6):706–9

Doppler ultrasound flowmeter in evaluation of tracheobronchial compression. Frenkiel S, et al. **J Otolaryngol** 1981 Oct;10(5):401–2

The use of the tidal breathing flow volume loop in laryngotracheal disease of neonates and infants. Abramson AL, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):922–6

Tracheobronchopathia osteochondroplastica. Castella J, et al. **Respiration** 1981;42(2):129–34

[State of the trachea and bronchi in children and adolescents with metatuberculous pneumosclerosis and bronchiectasis] Rebane LE, et al. **Probl Tuberk** 1981 Aug;(8):35–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Tracheobronchial obstruction: a life-threatening complication of 'benign' fibrosing mediastinitis. Kieser C, et al. **Ann Radiol (Paris)** 1981;24(8):623–30 **(Eng, Fre)**

Tracheal obstruction by recurrent thyroid carcinoma. Gardiner LJ, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):965–8

Innominate vein obstruction caused by intrathoracic goiter. Tolle SW, et al. **West J Med** 1981 Sep;135(3):235–8

[A case of tracheo-bronchial tuberculosis induced by inhalation of corticosteroid (author's transl)] Wagai F, et al. **Kekkaku** 1982 Feb 15;57(2):89–93 (Eng. Abstr.) **(Jpn)**

[Etiopathogenic problems in hypotonic tracheobronchial dyskinesia syndrome] Ambăruş V, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):61–4 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Herpetic tracheobronchitis: immunohistologic demonstration of herpes simplex virus antigen. Vernon SE. **Hum Pathol** 1982 Jul;13(7):683–6

PATHOLOGY

[Follow-up studies of patients with osteochondroplastic tracheobronchopathy] Barzó P, et al. **Orv Hetil** 1981 Jun 14;122(24):1443–6 **(Hun)**

[Tracheobronchomegaly and multiple digestive diverticulosis (author's transl)] Martínez Orozco F, et al. **Med Clin (Barc)** 1981 Dec 15;77(10):435–8 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Dilatation of the trachea treated with the NL-tracheostomy tube. Klausen NO, et al. **Crit Care Med** 1982 Jan;10(1):52–4

RADIOGRAPHY

Computed tomography of the trachea: normal and abnormal. Gamsu G, et al. **AJR** 1982 Aug;139(2):321–6

[Iracheobronchopathia osteochondroplastica. Report of three cases (author's transl)] Labrune M, et al. **Ann Radiol (Paris)** 1981 Nov;24(7):575–8 (Eng. Abstr.) **(Fre)**

[Assessment of the tracheal cross-section by computerised tomography (author's transl)] Imhof H, et al. **Rontgenblatter** 1982 Jan;35(1):17–8 (Eng. Abstr.) **(Ger)**

[Pseudotumoral radiological images of the trachea caused by accumulated mucus] Donadi M, et al. **Radiol Med (Torino)** 1982 Apr;68(4):249–51 **(Ita)**

[A case of tracheobronchomegaly (Mounier-Kuhn syndrome)] Ferrari Trecate F, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):73–4 **(Ita)**

[Mounier-Kuhn's syndrome] Nowak C, et al. **Wiad Lek** 1981 Aug 1;34(15):1291–3 **(Pol)**

SURGERY

Tracheomegaly. Parris WC, et al. **Anesthesiology** 1982 Feb; 56(2):141–3

Endotracheal tube Ignition during laryngeal surgery with resectoscope. Rita L, et al. **Anesthesiology** 1982 Jan; 56(1):60–1

Laser endoscopy. McElvein RB. **Ann Thorac Surg** 1981 Nov; 32(5):463–7

Management of amyloidosis of the larynx and trachea. Finn DG, et al. **Arch Otolaryngol** 1982 Jan;108(1):54–6

Tracheopexy – aorto-tracheal suspension for severe tracheomalacia. Cohen D. **Aust Paediatr J** 1981 Jun; 17(2):117–21

Treatment of tracheobronchial lesions by laser photoresection. Dumon JF, et al. **Chest** 1982 Mar; 81(3):278–84

Successful surgical repair of a tracheo innominate fistula: tactical considerations. Tournigand P, et al. **J Cardiovasc Surg (Torino)** 1982 May–Jun;23(3):247–51

[Value of perifibroscopic photocoagulation of various laryngotracheal pathologies] Dejonckere P, et al. **Acta Otorhinolaryngol Belg** 1981;35(2):161–9 (Eng. Abstr.) **(Fre)**

TRACHEAL NEOPLASMS

CHEMICALLY INDUCED

The carcinogenicity of N-nitrosodiethanolamine, an environmental pollutant, in Syrian hamsters. Pour P, et al. **Cancer Lett** 1981 Oct;14(1):23–7

Enhancement of carcinogenesis in cultured respiratory tract epithelium by 12-0-tetradecanoylphorbol-13-acetate. Steele VE, et al. **Int J Cancer** 1980 Sep 15;26(3):343–8

COMPLICATIONS

[Obstruction of the midportion of the respiratory tract in tracheal histiocytoma] Mitić M, et al. **Srp Arh Celok Lek** 1981 Aug;109(8):1067–72 (Eng. Abstr.) **(Scc)**

DIAGNOSIS

The respiratory epithelium. IX. Validity and reproducibility of revised cytologic criteria for human and hamster respiratory tract tumors. Hess FG Jr, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):485–98

'Benign' fibrous histiocytoma of the trachea. Gonzalez-Campora R, et al. **J Laryngol Otol** 1981 Dec; 95(12):1287–92

ETIOLOGY

Carcinoma of trachea following iodine-125 therapy for thyrotoxicosis [letter] Gray HW, et al. **Lancet** 1982 Mar 20;1(8273):688

IMMUNOLOGY

Syngeneic immune response to rat tracheal epithelial cells transformed in vitro by N-methyl-N-nitro-N-nitrosoguanidine. Braslawsky GR, et al. **Br J Cancer** 1981 Aug;44(2):247–57

OCCURRENCE

[Emission of industrial and community gases and dusts and the incidence of malignant neoplasms of the trachea, bronchi and lungs in the autochtonous population of Zabrze in the years 1965–1975 given the character of industrialization] Zemla B, et al. **Pol Tyg Lek** 1981 Apr 20;36(16):561–4 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Dark epithelial cells in preneoplastic lesions of the human respiratory tract. Klein-Szanto AJ, et al. **Cancer** 1982 Jul 1;50(1):107–13

In vivo and in vitro growth of a rat tracheal squamous cell carcinoma. Tennyson GS, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4687–92

Prognostic factors in primary tracheal malignancy. Morrison MD, et al. **J Otolaryngol** 1982 Jun;11(3):204–8

Granular cell myoblastoma, a rare localization in the trachea. A case report. Cech M, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):99–102

[Osteoplastic tracheobronchopathy] Vagner EA, et al. **Vestn Khir** 1981 Oct;127(10):102–3 **(Rus)**

RADIOGRAPHY

Primary tumours of the trachea. a clinical, radiological and pathologic evaluation of 12 cases. Pinet F, et al. **Eur J Radiol** 1981 May;1(2):88–91

A tracheal tumor simulating asthma in a child. Hurwitz S, et al. **Heart Lung** 1981 Sep–Oct;10(5):880–2

Granular cell myoblastoma of the trachea. Dunaway CL, et al. **Pediatr Radiol** 1981;11(4):210–1

[Primary tumor of the trachea (X-ray analysis of 20 cases) (author's transl)] Yan HZ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):125–6 **(Chi)**

[Adenoid-cystic carcinoma (cylindroma) of the trachea. An analysis of nine cases (author's transl)] Stark P. **ROFO** 1982 Jan;136(1):31–5 (Eng. Abstr.) **(Ger)**

[Pseudotumoral radiological images of the trachea caused by accumulated mucus] Donadi M, et al. **Radiol Med (Torino)** 1982 Apr;68(4):249–51 **(Ita)**

RADIOTHERAPY

A method for selective endobronchial and endotracheal irradiation. Boedker A, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):59–61

SECONDARY

Secondary tracheal carcinoma. Mackenzie IJ, et al. **J Laryngol Otol** 1981 Sep;95(9):973–8

[Treatment for the tracheal invasion of the thyroid cancer (author's transl)] Ebihara S, et al. **Horumon To Rinsho** 1981 Apr;29(4):413–6 **(Jpn)**

[Occurrence of peritracheostomy metastases after laryngectomy] Stastný B. **Cesk Otolaryngol** 1981; 30(6):351–5 (Eng. Abstr.) **(Slo)**

SURGERY

Management of tracheal tumors. Grillio HC. **Am J Surg** 1982 Jun;143(6):697–700

Laryngotracheal invasion by thyroid-carcinoma. Shelton VK, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):363–9

Tracheobronchoplastic procedure in the treatment of advanced carcinoma of the right upper lung. Nohl-Oser HC, et al. **Ann Thorac Surg** 1982 Apr;33(4):396–9

Reconstruction of the trachea after resection for neoplasm. Grillo HC. **Head Neck Surg** 1981 Sep–Oct;4(1):2–8

Bronchoscopic CO2 laser surgery. Andrews AH Jr, et al. **Lasers Surg Med** 1980;1(1):35–45

Bronchoscopic management of tracheal lesions using the neodynium yttrium aluminium garnet laser. Toty L, et al. **Thorax** 1981 Mar;36(3):175–8

[Segmental resection of thoracic trachea for cylindroma--a case report (author's transl)] Wang GQ. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):220–1 (Eng. Abstr.) **(Chi)**

[Cylindroma of the trachea] Czakó Z, et al. **Zentralbl Chir** 1981;106(20):1379–82 **(Ger)**

[Three cases of adenoid cystic carcinoma of the trachea (author's transl)] Nakamura K, et al. **Kyobu Geka** 1981 May; 34(5):365–9 (Eng. Abstr.) **(Jpn)**

[A case of adenoid cystic carcinoma of the trachea treated by segmental resection and primary anastomosis of the trachea (author's transl)] Osada H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Dec; 29(12):1968–74 (Eng. Abstr.) **(Jpn)**

[Cryosurgical method in the treatment of benign tracheobronchial tumors, with reference to a clinical case] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1981 Apr–Jun; 26(2):139–46 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

One very rare and one new tracheal tumour found by electron microscopy: glomus tumour and acinic cell tumour resembling carcinoid tumours by light microscopy. Heard BE, et al. **Thorax** 1982 Feb;37(2):97–103

VETERINARY

Primary tracheal leiomyoma in a dog. Black AP, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):905–7

Tracheal leiomyoma in a dog. Bryan RD, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1069–70

Tracheal mast cell tumor in a dog. Harvey HJ, et al. **J Am Vet Med Assoc** 1982 May 1;180(9):1097–100

Intratracheal neoplasia in two cats. Beaumont PR. **J Small Anim Pract** 1982 Jan;23(1):29–35

Two cases of localized mastocytosis in tracheobronchial lymph nodes of the beagle. Oghiso Y, et al. **Nippon Juigaku Zasshi** 1981 Oct;43(5):749–53

TRACHEAL STENOSIS

[Round table on non-tumoral tracheal stenoses. Stenoses with laryngeal involvement. Very extensive stenoses and tracheal prostheses. Complicated stenoses. Bordeaux, 6–7 March 1981] **Ann Chir** 1981 Oct;35(8):587–648 **(Fre)**

[Pathogenesis and therapy of cervical tracheal stenoses] Staindl O. **Acta Otolaryngol [Suppl] (Stockh)** 1981;380:1–39 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Surgical management of pharyngeal, laryngeal, tracheal and esophageal injuries and strictures caused by caustic lye solution] Petri A, et al. **Orv Hetil** 1981 Oct 4; 122(40):2479–80 **(Hun)**

CLASSIFICATION

[Laryngeal and laryngotracheal stenoses. Classification and treatment (author's transl)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(12):571–9 (Eng. Abstr.) **(Fre)**

CONGENITAL

Congenital tracheal stenosis. Johns AN. **Int J Pediatr Otorhinolaryngol** 1981 Apr;3(2):157–61

Congenital funnel-shaped tracheal stenosis: an asymptomatic lethal anomaly of early infancy. Janik JS, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):761–6

[Intrinsic congenital stenosis of the trachea] Desnos J, et al. **J Fr Otorhinolaryngol** 1981 Dec;30(10):649–56 **(Fre)**

DIAGNOSIS

Clues to unrecognized upper airway obstruction. Paré PD, et al. **Can Med Assoc J** 1982 Jul 1;127(1):39–41

ETIOLOGY

Tracheal stenosis after tracheostomy and after orotracheal cuffed intubation. Arola MK, et al. **Acta Chir Scand** 1981; 147(3):183–92

Tracheal coccidioidomycosis causing upper airway obstruction in children. Moskowitz PS, et al. **AJR** 1982 Sep;139(3):596–600

Tracheal or esophageal compression due to benign thyroid disease. Alfonso A, et al. **Am J Surg** 1981 Sep;142(3):350–4

Tracheal compression by an anomalous innominate artery. A report of 2 cases in a family. Mok JY, et al. **Arch Dis Child** 1981 Oct;56(10):791–3

Abnormalities of the aortic arch system compressing the oesophagus and trachea. Price DA, et al. **Aust Paediatr J** 1982 Mar;18(1):46–52

Tracheal stenosis due to sarcoidosis [letter] Brandstetter RD, et al. **Chest** 1981 Nov;80(5):656

Canine model of subglottic stenosis secondary to prolonged endotracheal intubation. Marshak G, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):805–9

Subglottic stenosis after cricothyroidotomy. Brantigan CO, et al. **Surgery** 1982 Feb;91(2):217–21

[An aortic arch aneurysm with tracheal stenosis –a case report (author's transl)] Higashi T, et al. **Kyobu Geka** 1982; 35(5):355–8 (Eng. Abstr.) **(Jpn)**

[Circumferential resection and successful reconstruction for cicatricial tracheal stenosis caused by the cuff of tracheostomy tube--report of 2 cases (author's transl)] Ikeda M, et al. **Kyobu Geka** 1982;35(3):215–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Functional evaluation of tracheal stenosis before and after surgical management. Scano G, et al. **Respiration** 1981; 42(4):237–42

[Biomechanics of respiration in patients with expiratory stenosis of trachea and main bronchi (author's transl)] Joffe LZ, et al. **Z Erkr Atmungsorgane** 1981;156(3):212–7 (Eng. Abstr.) **(Ger)**

[Blood coagulation and its correction in stenosing laryngotracheobronchitis in children] Kireev SS, et al. **Vestn Otorinolaringol** 1981 Jul-Aug;(4):52–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of tracheal stricture in end-to-end anastomosis. Nordin U, et al. **Arch Otolaryngol** 1982 May;108(5):308–14

[Tracheostomy with superiorly based tracheostomal flap] Goldsher M, et al. **Harefuah** 1981 Jun 15;100(12):560–2 (Eng. Abstr.) **(Heb)**

RADIOGRAPHY

The value of xeroradiography in the management of subglottic stenosis in children. Mills RP. **J Laryngol Otol** 1981 Dec;95(12):1255–60

SURGERY

High-frequency positive-pressure ventilation for tracheal reconstruction supported by tracheal T-tube. El-Baz N, et al. **Anesth Analg (Cleve)** 1982 Sep;61(9):796–800

Predictive factors of success or failure in the endoscopic management of laryngeal and tracheal stenosis. Simpson GT, et al. **Ann Otol Rhinol Laryngol** 1982 Jul-Aug;91(4 Pt 1):384–8

Primary reconstruction of airway after resection of subglottic laryngeal and upper tracheal stenosis. Grillo HC. **Ann Thorac Surg** 1982 Jan;33(1):3–18

Tracheal stenosis: repair with nasal septum. A case report. Porte HE. **J Laryngol Otol** 1982 Apr;96(4):365–72

Resection of congenital tracheal stenosis involving the carina. Weber TR, et al. **J Thorac Cardiovasc Surg** 1982 Aug; 84(2):200–3

Bronchoscopic management of tracheal lesions using the neodynium yttrium aluminium garnet laser. Toty L, et al. **Thorax** 1981 Mar;36(3):175–8

[Respiration of a patient for 30 minutes via a suction catheter] Bitsch-Larsen L. **Ugeskr Laeger** 1982 Feb 1;144(5):319–20 (Eng. Abstr.) **(Dan)**

[Compression of the trachea by the brachiocephalic artery in infants. Thirty-four cases (author's transl)] Langlois J, et al. **Ann Chir** 1982 Feb;36(2):157–63 (Eng. Abstr.) **(Fre)**

[Tracheal resection and anastomosis for postintubation and post-tracheotomic stenosis, technical considerations and results of twenty seven cases (author's transl)] Pelleray C, et al. **Ann Chir** 1982 Feb;36(2):116–9 (Eng. Abstr.) **(Fre)**

[Treatment of tracheobronchial lesions with Laser Yag] Dumon JF, et al. **Minerva Med** 1981 Oct 13; 72(39):2593–600 (Eng. Abstr.) **(Ita)**

[Clinical conference at the Department of Thoracic Surgery, Tokai University. 2. Tuberculous cicatrical stenosis of the trachea] **Kyobu Geka** 1982;35(6):487–9 **(Jpn)**

[A five-year-old child with tube tip stenosis treated by end-to-end anastomosis of trachea (author's transl)] Maeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan; 30(1):98–103 (Eng. Abstr.) **(Jpn)**

[Composite graft of skin and ear cartilage in the treatment of tracheal stenosis. Apropos of a case] Kalume RS, et al. **AMB** 1981 Nov;27(11):326–8 (Eng. Abstr.) **(Por)**

THERAPY

A bifurcated silicone rubber stent for relief of tracheobronchial obstruction. Westaby S, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):414–7

TRACHEITIS

CHEMICALLY INDUCED

Severe tracheobronchitis from inhalation of an isobutyl nitrite preparation. Covalla JR, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):51–2

DIAGNOSIS

Bacterial tracheitis--a true entity? Davidson S, et al. **J Laryngol Otol** 1982 Feb;96(2):173–5

[Bronchopulmonary infection with fever] Rieben FW. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2027–34 **(Ger)**

DRUG THERAPY

[Clinical study of a new bronchodilator molecule in pediatrics (Th 1165, Fenoterol-Berotec)] Longo L, et al. **Minerva Pediatr** 1981 Aug 31;33(16):831–4 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Cytologic features of nonfatal herpesvirus tracheobronchitis. Vernon SE. **Acta Cytol (Baltimore)** 1982 Mar-Apr; 26(2):237–42

Atypical croup and Branhamella catarrhalis [letter] Gunnarsson M, et al. **Lancet** 1982 Jul 17;2(8290):156

[Role of viruses and bacteria in the formation of the clinical picture of acute laryngotracheitis] Mitin IuV, et al. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):40–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Clinico-immunologic characteristics of children with stenosing laryngotracheobronchitis] Safronenko LA, et al. **Pediatriia** 1982 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Growth of Bacteroides fragilis in rabbit tracheal organ culture: anaerobiosis and tissue respiration. Murakami T, et al. **Infect Immun** 1981 Dec;34(3):1062–4

OCCURRENCE

The epidemiology of tracheobronchitis in pediatric practice. Chapman RS, et al. **Am J Epidemiol** 1981 Dec; 114(6):786–97

PATHOLOGY

The site of leukocyte migration through the tracheal mucosa in the guinea pig. Hulbert WC, et al. **Am Rev Respir Dis** 1981 Sep;124(3):310–6

VETERINARY

Canine infectious tracheobronchitis: effects of an intranasal live canine parainfluenza-Bordetella bronchiseptica vaccine on viral shedding and clinical tracheobronchitis (kennel cough). Kontor EJ, et al. **Am J Vet Res** 1981 Oct; 42(10):1694–8

Isolation of a Mycoplasma sp. from three buzzards (Buteo spp.). Bölske G, et al. **Avian Dis** 1982 Apr-Jun;26(2):406–11

Infectious laryngotracheitis in peafowl and pheasants. Crawshaw GJ, et al. **Avian Dis** 1982 Apr-Jun;26(2):397–401

Control of turkey Alcaligenes rhinotracheitis in Utah with a live vaccine. Jensen MM, et al. **Avian Dis** 1981 Oct-Dec; 25(4):1053–7

Intranasal vaccine trial for canine infectious tracheobronchitis (kennel cough). Glickman LT, et al. **Lab Anim Sci** 1981 Aug;31(4):397–9

[A new appearance of the acute form of infectious laryngotracheitis of chickens in the north part of Germany (author's transl)] Kaleta EF, et al. **DTW** 1981 Aug 5; 88(8):309–13 (Eng. Abstr.) **(Ger)**

TRACHEOESOPHAGEAL FISTULA

CHEMICALLY INDUCED

Hodgkin's disease; tracheoesophageal fistula during MOPP chemotherapy. Weiner MJ, et al. **NY State J Med** 1981 Sep;81(10):1509–11

COMPLICATIONS

High-frequency jet ventilation in major airway or pulmonary disruption. Turnbull AD, et al. **Ann Thorac Surg** 1981 Nov; 32(5):468–74

The Fogarty balloon catheter as an aid to management of the infant with esophageal atresia and tracheoesophageal fistula complicated by severe RDS or pneumonia. Filston HC, et al. **J Pediatr Surg** 1982 Apr;17(2):149–51

[Anesthetic management of a congenital tracheoesophageal fistula associated with congenital laryngeal cleft--a case report (author's transl)] Takeda J, et al. **Masui** 1981 May; 30(5):493–7 (Eng. Abstr.) **(Jpn)**

[VATER abnormalities in a patient in a cardiosurgical department] Bochkova DN, et al. **Klin Med (Mosk)** 1981 Aug;59(8):78–9 **(Rus)**

CONGENITAL

Congenital tracheoesophageal fistula in an adult. Moorhead JM, et al. **South Med J** 1982 Aug;75(8):1030–1

Congenital tracheo-oesophageal fistula in the adult. Black RJ. **Thorax** 1982 Jan;37(1):61–3

[Congenital H-type tracheoesophageal fistula--a case report (author's transl)] Huang YS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1367–71 (Eng. Abstr.) **(Chi)**

[Current radiodiagnostic possibilities in isolated N-type esophago-tracheal fistula. A recent personal case] Tamburrini O, et al. **Minerva Pediatr** 1981 Nov 15; 33(21):1027–30 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

The diagnosis of primary and recurrent tracheoesophageal fistulas: value of selective catheterization. Filston HC, et al. **J Pediatr Surg** 1982 Apr;17(2):144–8

[Isolated tracheoesophageal fistula (author's transl)] Kabelka M. **Bratisl Lek Listy** 1981 Nov;76(5):567–70 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Tracheoesophageal fistula. A complication of foreign body. Obiako MN. **Ann Otol Rhinol Laryngol** 1982 May-Jun;91(3 Pt 1):325–7

Posterior dislocation of the clavicle causing fatal tfracheoesophageal fistula. Wasylenko MJ, et al. **Can J Surg** 1981 Nov;24(6):626–7

[Hodgkin's disease revealed by an esophagotracheal fistula (author's transl)] Zenny JC, et al. **J Radiol** 1981 Mar; 62(3):191–5 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Siblings of children with tracheoesophageal dysrhaphism [letter] Baird PA, et al. **Can Med Assoc J** 1981 Nov 15; 125(10):1083–4

A standardized ratio for measuring the 'suddenness' of events

with applications to the four leading causes of violent death and to certain birth defects. Grimson RC. **Soc Biol** 1980 Winter;27(4):286–93

An epidemiologic study of tracheoesophageal fistula and esophageal atresia in North Carolina. Ozimek CD, et al. **Teratology** 1982 Feb;25(1):53–9

RADIOGRAPHY

[Urgent x-ray examination of new-born babies. I. Oesophagus-stomach (author's transl)] Ponhold W, et al. **Padiatr Padol** 1981;16(4):475–80 (Eng. Abstr.) **(Ger)**

SURGERY

Anastomotic leakage in oesophageal atresia. Diagnostic and therapeutic considerations. Viljanto J, et al. **Ann Chir Gynaecol** 1982;71(3):151–5

Transtracheal microsurgical closure of tracheoesophageal fistulas. Gerhardt HJ. **Head Neck Surg** 1981 Sep–Oct; 4(1):64–8

Long-term results following repair of esophageal atresia by end-to-side anastomosis and ligation of the tracheoesophageal fistula. Touloukian RJ. **J Pediatr Surg** 1981 Dec;16(6):983–8

Traumatic tracheoesophageal fistula [letter] Martyn JW. **J Thorac Cardiovasc Surg** 1982 May;83(5):790–1

Esophageal replacement with jejunum in children: an 18 to 33 year follow-up. Ring WS, et al. **J Thorac Cardiovasc Surg** 1982 Jun;83(6):918–27

Developments in the care of patients with esophageal atresia and tracheoesophageal fistula. Holder TM, et al. **Surg Clin North Am** 1981 Oct;61(5):1051–61 (22 ref.)

H-type tracheo-oesophageal fistula in children with special reference to surgical management and to repair of recurrent nerve injury. Olsen L, et al. **Z Kinderchir** 1982 May; 36(1):27–9

[An improved surgical procedure for tracheo-esophageal fistula after tracheotomy (author's transl)] Liu K. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):496–7 (Eng. Abstr.) **(Chi)**

[Tracheoesophageal fistulae] Rehák E. **Rozhl Chir** 1931 Mar; 60(3):170–7 (Eng. Abstr.) **(Cze)**

[Esophageal atresia and tracheo-esophageal fistula treatment (author's transl)] Lerut T, et al. **Acta Chir Belg** 1982 Jul-Aug;(4):321–32 (Eng. Abstr.) **(Dut)**

[Non-traumatic non-malignant broncho-esophageal fistulae in the adult – two successful operations (author's transl)] Scordia P, et al. **Ann Chir** 1982 Feb;36(2):129–33 (Eng. Abstr.) **(Fre)**

[Oesophageal atresia type Vogt IIIB with fistula of the distal segment to the cervical trachea, combined with right descending aorta and further malformations (author's transl)] Kraeft H, et al. **Z Kinderchir** 1981 Apr;32(4):371–5 (Eng. Abstr.) **(Ger)**

[Surgical treatment of esophagotracheal fistulae] Avilova OM, et al. **Klin Khir** 1981 Oct;(10):27–30 (Eng. Abstr.) **(Rus)**

[Double gastrostomy in treating complicated esophageal injuries and acquired tracheoesophageal fistulae in children] Danilenko MV, et al. **Klin Khir** 1981 Jun;(6):22–5 **(Rus)**

TRACHEOSTOMY see **TRACHEOTOMY**

TRACHEOTOMY

Progressive improvement of apnea index and ventilatory response to CO2 after tracheostomy in obstructive sleep apnea syndrome. Guilleminault C, et al. **Am Rev Respir Dis** 1982 Jul;126(1):14–20

Treatment of severe subglottic stenosis without tracheotomy: a preliminary report. Holinger LD. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):407–12

Tracheostomal stenosis following total laryngectomy. Myers EN, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):450–3

Stomal recurrence. A critical analysis of risk factors. Mantravadi R, et al. **Arch Otolaryngol** 1981 Dec; 107(12):735–8

Mediastinal dissection. A multi-institutional assessment. Schuller DE, et al. **Arch Otolaryngol** 1981 Nov; 107(11):715–20

Tracheostomy in the management of chest injuries: its use and complications. James OF, et al. **Aust NZ J Surg** 1981 Dec;51(6):598–602

Avoidance of tracheostomy in sleep apnoea syndrome. Stradling JR. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):407–8

Suctioning the left bronchial tree in the intubated adult. Freedman AP, et al. **Crit Care Med** 1982 Jan;10(1):43–5

Tracheal tube obstruction [letter] Priem L, et al. **Heart Lung** 1982 May–Jun;11(3):285

Topics in clinical microbiology: tracheostomy and endotracheal tube specimens. Stratton CW. **Infect Control** 1981 Mar–Apr;2(2):162–4

A simplified alternative to orthogonal field overlap when irradiating a tracheostomy stoma or the hypopharynx. Pezner RD, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug; 7(8):1121–4

Language functioning and speech development of six children receiving tracheotomy in infancy. Ross GS. **J Commun Disord** 1982 Mar;15(2):95–111

Tracheotomy in longterm management of sleep apnea. Dayal VS, et al. **J Otolaryngol** 1981 Aug;10(4):273–7

[Tracheal resection and anastomosis for postintubation and post-tracheotomic stenosis, technical considerations and results of twenty seven cases (author's transl)] Pelleray C, et al. **Ann Chir** 1982 Feb;36(2):116–9 (Eng. Abstr.) **(Fre)**

[Tracheotomy in the surgical treatment of carcinomas of the pharyngo-larynx (author's transl)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(10–11):501–4 (Eng. Abstr.) **(Fre)**

[Partial vertical surgery of the larynx : results as a function of anesthesia and the employ of tracheotomy (author's transl)] Laccourreye H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(12):581–5 (Eng. Abstr.) **(Fre)**

[Circumferential resection and successful reconstruction for cicatricial tracheal stenosis caused by the cuff of tracheostomy tube--report of 2 cases (author's transl)] Ikeda M, et al. **Kyobu Geka** 1982;35(3):215–8 (Eng. Abstr.) **(Jpn)**

[A five-year-old child with tube tip stenosis treated by end-to-end anastomosis of trachea (author's transl)] Maeda M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan; 30(1):98–103 (Eng. Abstr.) **(Jpn)**

[Mediastinal carcinoma simplex with combined sleeve resection of the trachea- a case report and literature review (author's transl)] Matsumoto K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):1070–5 (Eng. Abstr.) **(Jpn)**

[Prevention of postoperative pulmonary complications-evaluation of prone position and postoperative tracheostomy (author's transl)] Fujimura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Mar; 20(3):269–73 (Eng. Abstr.) **(Jpn)**

[Occurrence of peritracheostomy metastases after laryngectomy] Stastný B. **Cesk Otolaryngol** 1981; 30(6):351–5 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Tracheal stenosis after tracheostomy and after orotracheal cuffed intubation. Arola MK, et al. **Acta Chir Scand** 1981; 147(3):183–92

Tracheostomy and its complications. A retrospective study of 794 tracheostomized patients. Arola MK. **Ann Chir Gynaecol** 1981;70(3):96–106

Stenosing processes due to endotracheal intubation and tracheostomy in children. Bláhová O, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep;3(3):199–203

Management of necrotizing tracheostomy infections. Snow N, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):341–4

Small tracheal stoma: an unusual cause of aspiration. Cannon CR. **South Med J** 1982 Apr;75(4):512–3

Subglottic stenosis after cricothyroidotomy. Brantigan CO, et al. **Surgery** 1982 Feb;91(2):217–21

[Tracheal injuries caused by cuffed tracheostomy tubes (with a report of 21 cases) (author's transl)] Chen X, et al. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):229–32 (Eng. Abstr.) **(Chi)**

[An improved surgical procedure for tracheo-esophageal fistula after tracheotomy (author's transl)] Liu K. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):496–7 (Eng. Abstr.) **(Chi)**

[Rare complications following tracheotomy and intubation (author's transl)] Sigrist T, et al. **Anaesthesist** 1981 Oct; 30(10):523–7 (Eng. Abstr.) **(Ger)**

[Hemorrhage from the brachiocephalic trunk as a complication of tracheostomy] Stępień S, et al. **Wiad Lek** 1981 Sep 15;34(18):1563–5 **(Pol)**

[Significance of bacterial flora in the tracheostomy of severely ill patients] Dias MD, et al. **Rev Paul Med** 1981 Jul–Sep;97(7–9):110–2 (Eng. Abstr.) **(Por)**

INSTRUMENTATION

A new tracheostomy tube. III. Bronchofiberoptic examination of the trachea after prolonged intubation with the NL tracheostomy tube. Lomholt N, et al. **Acta Anaesthesiol Scand** 1981 Oct;25(5):407–11

Dilatation of the trachea treated with the NL-tracheostomy tube. Klausen NO, et al. **Crit Care Med** 1982 Jan;10(1):52–4

A new adult tracheal button in the management of a near drowning victim. Stene JF, et al. **Heart Lung** 1982 Jul–Aug; 11(4):299–301

Acetylcysteine and speaking tracheostomy tubes [letter] Shinnick JP, et al. **JAMA** 1981 Oct 16;246(16):1771

[Perforation of the trachea. A lethal complication following tracheostomy prolonged ventilation caused by faulty material (author's transl)] Mauritz W, et al. **Anaesthesist** 1982 May;31(5):262–4 (Eng. Abstr.) **(Ger)**

[Individually manufactured plastic canulas for laryngectomized patients (author's transl)] Flach M, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):359–60 (Eng. Abstr.) **(Ger)**

[The care of patients with total laryngectomy with individually fitted plastic cannulae] Böhme W, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):451–5 **(Ger)**

METHODS

Cricothyrotomy in the emergency department. McGill J, et al. **Ann Emerg Med** 1982 Jul;11(7):361–4

Infant tracheotomy. Gerson CR, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):413–6

The advantages of stay sutures with tracheostomy. Burke A. **Ann R Coll Surg Engl** 1981 Nov;63(6):426–8

Increased safety in tracheotomy tube replacement. Lewy RB. **Arch Otolaryngol** 1982 May;108(5):327

Tracheostomy technique for the general medical officer. Hadley GP. **Papua New Guinea Med J** 1981 Jun; 24(2):127–30

[Experiences with tracheostomy by the Björk method] Tommerup B, et al. **Ugeskr Laeger** 1981 Oct 12; 143(42):2727–9 (Eng. Abstr.) **(Dan)**

[Tracheostomy with superiorly based tracheostomal flap] Goldsher M, et al. **Harefuah** 1981 Jun 15;100(12):560–2 (Eng. Abstr.) **(Heb)**

[A case of adenoid cystic carcinoma of the trachea treated by segmental resection and primary anastomosis of the trachea (author's transl)] Osada H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Dec; 29(12):1968–74 (Eng. Abstr.) **(Jpn)**

[Transcutaneous catheterization of the trachea] Ozerov KK, et al. **Voen Med Zh** 1982 Feb;(2):55–6 **(Rus)**

NURSING

Home care of the child with a tracheotomy tube. Foster S, et al. **Pediatr Clin North Am** 1981 Nov;28(4):855–7

REHABILITATION

The speech pathologist and management of children with tracheostomies. Simon B, et al. **J Otolaryngol** 1981 Dec; 10(6):440–8

TRACHOMA

COMPLICATIONS

An animal model for cicatrizing trachoma. Taylor HR, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):422–33

[Trachoma, pinguecula and pterygium] Cornand G, et al. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):7–19 (Eng. Abstr.) **(Fre)**

[An interesting diagnostic aspect: Association of trachoma and vernal conjunctivitis in the Republic of Djibouti] Corbe C, et al. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(1–2):105–10 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Microbiology Diagnosis of chlamydia trachomatis infection. Ripa KT. **Infection** 1982;10 Suppl 1:S19–24 (35 ref.)

Chlamydia trachomatis: serological diagnosis. Treharne JD. **Infection** 1982;10 Suppl 1:S25–31 (61 ref.)

[Chlamydial disease of the eye: a report on 27 cases. Clinical picture, differential diagnosis, treatment (author's transl)] Sundmacher R, et al. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):149–56 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The future use of interferon in ocular infections vis. trachoma. Ben Moshe H, et al. **Metab Pediatr Ophthalmol** 1981;5(3–4):191–3

Trachoma. Hoffman BF. **Mt Sinai J Med (NY)** 1982 Mar–Apr;49(2):159–61

Topical meclocycline in the treatment of trachoma in lower Egypt. Wadia I, et al. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):77–86 **(Eng, Fre)**

HISTORY

[Chile indebted to Dr. Francisco Fonck] Costa-Casaretto C. **Rev Med Chil** 1981 Nov;109(11):1119–25 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Detection of Chlamydia trachomatis antigen by radioimmunoassay. Terho P, et al. **J Immunoassay** 1981; 2(3–4):239–62

The role of immunity in determining trachoma syndromes. Mathur RP. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(1–2):9–16 **(Eng, Fre)**

MICROBIOLOGY

[Characteristics and unknowns of TRIC agents (trachoma--inclusion conjunctivitis)] Nabli B. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):71–5 (Eng. Abstr.) **(Fre)**

OCCURRENCE

The trachoma status and blindness rates of selected areas of Papua New Guinea in 1979–80. Dethlefs R. **Aust J Ophthalmol** 1982 Feb;10(1):13–8

Prevalence of trachoma among children in East Jerusalem in 1980. Bishara S, et al. **Br J Ophthalmol** 1982 Sep; 66(9):580–2

Prevalence of trachoma in school children of a rural community. Srivastava BC, et al. **Indian Pediatr** 1981 Apr; 18(4):233–6

Genital and neonatal chlamydial infection in a trachoma endemic area. Mabey DC, et al. **Lancet** 1982 Aug 7; 2(8293):300–1

The epidemiology and geographical distribution of trachoma

in Lebowa. Ballard RC, et al. **S Afr Med J** 1981 Oct 3; 60(14):531–5
Blinding trachoma—a public health challenge. Carmichael TR, et al. **S Afr Med J** 1982 Jan 2;61(1):5–8
[Where are the borders of trachoma? (author's transl)] Vedy J, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):555–62 (Eng. Abstr.) **(Fre)**
[Trachoma in Greece] Kofinas H. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(1–2):55–9 **(Fre)**

PATHOLOGY

Goblet cell population in normal and trachomatous eyes. Rangwala AT, et al. **Indian J Ophthalmol** 1981 OCT; 29(3):297–300
[Inclusion bodies of trachoma and pseudo-inclusion bodies (author's transl)] Ji MS. **Chung Hua Yen Ko Tsa Chih** 1979 May;15(2):94–5 **(Chi)**

PHYSIOPATHOLOGY

Smouldering trachoma: new concepts. Mathur RP. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(1–2):39–54 **(Eng, Fre)**

PREVENTION & CONTROL

Trachoma control [editorial] **Lancet** 1982 Feb 27; 1(8270):489–90

TRANSMISSION

Chlamydia seeders in the community. Mathur RP. **Rev Int Trach Pathol Ocul Trop Subtrop Sante Publique** 1981;(1–2):25–38 **(Eng, Fre)**

TRACHOMA VIRUS see **CHLAMYDIA TRACHOMATIS**

TRACK AND FIELD

Electromechanical behaviour of human muscles in vertical jumps. Viitasalo JT, et al. **Eur J Applied Physiol** 1982; 48(2):253–61
Adult age trends in athletic performances. Stones MJ, et al. **Exp Aging Res** 1981 Fall;7(3):269–80
'Biorhythms' and Australian track and field records. Quigley BM. **J Sports Med Phys Fitness** 1981 Mar;21(1):81–9
The validity of the stretch shortening cycle in selected jumping events. Steben RE, et al. **J Sports Med Phys Fitness** 1981 Mar;21(1):28–37
Influence of the diameter of the hammer head on the distance of a hammer throw. Dapena J, et al. **Res Q Exerc Sport** 1982 Mar;53(1):78–85
[Double approach to the study of high jumping: attention demands and biomechanics] Girouard Y, et al. **Can J Appl Sport Sci** 1981 Sep;6(3):126–31 (Eng. Abstr.) **(Fre)**
[Blood group distribution in 100-kilometer walkers] Jung K, et al. **MMW** 1981 Sep 18;123(38):1420–2 **(Ger)**

TRACTION

An exercise class for patients in traction. Milazzo V. **Am J Nurs** 1981 Oct;81(10):1842–4
Home traction in the management of congenital dislocation of the hip. Joseph K, et al. **Clin Orthop** 1982 May; (165):83–90
Odontoid fractures. A rational approach to treatment. Ryan MD, et al. **J Bone Joint Surg [Br]** 1982;64(4):416–21
Femoral shaft fractures in adolescents: a comparison between traction plus cast treatment and closed intramedullary nailing. Kirby RM, et al. **J Pediatr Orthop** 1981;1(2):193–7
Surgical treatment of tibial fractures by internal fixation. Bongers KJ. **Neth J Surg** 1982 Mar;34(1):35–9
A force-indicating spreader. A tool for teaching the Harrington technique. Ashworth MA, et al. **Spine** 1982; 7(1):80–2
[Reassessment of the methodology of pelvic traction therapy in sciatica (author's transl)] Wong MK. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1323–6 (Eng. Abstr.) **(Chi)**
[Supra and inter-condylar comminuted fractures of the humerus in adult. A series of one hundred and two (author's transl)] Claisse PR, et al. **Ann Chir** 1981 Nov;35(9 Pt 1):703–11 (Eng. Abstr.) **(Fre)**
[Management of scoliosis with vertebral traction] Sienne G, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1981; 118(1):73–87 **(Fre)**
[Tractions and vertebral manipulations in functional readaptation (author's transl)] Konings L. **J Belge Med Phys Rehabil** 1981;4(1):15–40 **(Fre)**
[Osteoporosis and halo traction in scoliosis patients (author's transl)] Abu Salim F, et al. **Z Orthop** 1982 May–Jun; 120(3):330–2 (Eng. Abstr.) **(Ger)**
[Effectiveness of spinal traction in combination with mud applications in the combined polyclinic treatment of cervical osteochondrosis] Zen'kovich PS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May–Jun; (3):56–7 **(Rus)**

ADVERSE EFFECTS

Recurrent dislocation of the elbow accompanied by ulnar neuropathy: a case report and review of the literature. Malkawi H. **Clin Orthop** 1981 Nov–Dec;(161):270–4
Pudendal-nerve neurapraxia as a result of traction on the fracture table. A report of four cases. Hofmann A, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):136–8
Orthopaedic causes of hypertension in pediatric patients. Case report and review of the literature. Talab YA, et al. **J Bone Joint Surg [Am]** 1982 Feb;64(2):291–2
Brain abscess after insertion of skull traction. Kaye AH, et al. **J Bone Joint Surg [Br]** 1982;64(4):500–2
Danger of traction during radiography for cervical trauma [letter] Kaufman HH, et al. **JAMA** 1982 May 7;247(17):2369
Brain abscess as a complication of halo fixation. Dennis GC, et al. **Neurosurgery** 1982 Jun;10(6 Pt 1):760–1
Immobilization hypercalcemia. Little JA, et al. **South Med J** 1982 Apr;75(4):502
Brain abscess as a complication of halo traction. Humbyrd DE, et al. **Spine** 1981 Jul–Aug;6(4):365–8
[Pressures acting on the bone in the gradual lengthening of the lower leg] Janovec M, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):117–25 (Eng. Abstr.) **(Ger)**
[Intraoperative evoked muscular potentials in the treatment of traumatic lesions of the brachial plexus] Celli L, et al. **Chir Organi Mov** 1979 Jul–Aug;65(4):399–403 (Eng. Abstr.) **(Ita)**
[Errors and complications after compression-traction osteosynthesis] Shumada IV, et al. **Klin Khir** 1981 Dec; (12):11–4 (Eng. Abstr.) **(Rus)**
[Progressive reduction and aseptic necrosis in congenital hip luxation] Fernández Herrera E. **Bol Med Hosp Infant Mex** 1981 Jan–Feb;38(1):55–70 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

New traction device for radiography of the lower cervical spine. Boger D, et al. **AJR** 1981 Dec;137(6):1202–4
Home cervical traction: evaluation of alternate equipment. Waylonis GW, et al. **Arch Phys Med Rehabil** 1982 Aug; 63(8):388–91
The Carshalton halo-pelvic distraction apparatus. Rodwell TR. **Eng Med** 1982 Apr;11(2):89–94
A comfortable thigh sling. Bedford AF. **Injury** 1982 Jan; 13(4):346
Modifications to Harrington distraction instrumentation. Edeland HG, et al. **J Biomed Eng** 1981 Jul;3(3):246–8
Modified skull tongs for cervical traction. Technical note. Rimel RW, et al. **J Neurosurg** 1981 Nov;55(5):848–9
Adjustable frame for wall-mounted traction Units. Pope JA. **Physiotherapy** 1982 Apr;68(4):125
The Wisconsin Compression System. Keene JS, et al. **Spine** 1982;7(1):83–5
[Treatment of femoral fracture using a self-made fixation-traction device: report of 300 cases (author's transl)] Wang JF. **Chung Hua Wai Ko Tsa Chih** 1981 Dec; 19(12):735–7 (Eng. Abstr.) **(Chi)**
[Our own design of an apparatus for transcutaneous bone traction] Vercellino V, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):77–81 (Eng. Abstr.) **(Ita)**
[External distraction-compression apparatus of our construction (type CZ-2) for the treatment of fractures] Czyrny S. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(2):103–6 (Eng. Abstr.) **(Pol)**
[Methods of attaching traction devices to the spine in the corrective treatment of scoliosis] Latypova NA. **Med Tekh** 1981 Sep–Oct;(5):47–8 **(Rus)**
[Improved skeletal traction in fractures of the leg bones] Abdrakhmanov AZh, et al. **Ortop Travmatol Protez** 1981 Sep;(9):59–60 **(Rus)**
[Dynamometers for compression-distraction apparatus] Vvedenskii SP, et al. **Ortop Travmatol Protez** 1981 Aug; (8):60 **(Rus)**

METHODS

Non-sliding pins in traction absorbing wiring of fractures: a modified technique. Netz P, et al. **Acta Orthop Scand** 1982 Jun;53(3):355–60
Nonoperative treatment of the acute tear-drop fracture of the cervical spine. Johnson JL, et al. **Clin Orthop** 1982 Aug;(168):108–12
A modification of the gravity method of reducing anterior shoulder dislocations. Lippert FG 3d. **Clin Orthop** 1982 May;(165):259–60
Traumatic dislocation of the hip with ipsilateral femoral shaft fracture: a method of treatment. Harper MC. **Injury** 1982 Mar;13(5):391–4
A retrospective study of Cotrel dynamic spinal traction in the conservative management of scoliosis. Goldberg C, et al. **Ir Med J** 1981 Dec;74(12):363–5
Incidence of avascular necrosis of the femoral head in congenital hip dislocation related to the degree of abduction during preliminary traction. Fogarty EE, et al. **J Pediatr Orthop** 1981;1(3):307–11
The use of modified Neufeld traction in the management of femoral fractures in polytrauma. Browner BD, et al. **J Trauma** 1981 Sep;21(9):779–87
Odontoid fracture: management with early mobilization using the halo device. Ekong CE, et al. **Neurosurgery** 1981 Dec; 9(6):631–7
The treatment of supracondylar fracture of the humerus: with special reference to the advantages of skin traction. Hamilton DR. **Papua New Guinea Med J** 1981 Sep; 24(3):198–201
Transverse traction in the treatment of scoliosis. A preliminary report. Wolf AW, et al. **Spine** 1981 Mar–Apr; 6(2):134–8
[Conservative reposition of hip luxation with overhead extension] Biskop M, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):253–5 **(Ger)**
[A one-stager procedure in operative treatment of spondylolistheses: dorsal traction-reposition and anterior fusion (author's transl)] Harms J, et al. **Z Orthop** 1982 May–Jun;120(3):343–7 (Eng. Abstr.) **(Ger)**
[Lateral traction in central hip dislocation] Lavrov IN, et al. **Ortop Travmatol Protez** 1981 Aug;(8):61–2 **(Rus)**
[Underwater traction in the treatment of patients with coxarthrosis] Miller BS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):53–4 **(Rus)**

STANDARDS

Compartmental pressure changes during calcaneal traction in tibial fractures. Shakespeare DT, et al. **J Bone Joint Surg [Br]** 1982;64(4):498–9

TRADE UNIONS see **LABOR UNIONS**

TRADITIONAL BIRTH ATTENDANT see **MIDWIFERY**

TRAGACANTH see under **POLYSACCHARIDES**

TRAIL MAKING TEST see under **PSYCHOLOGICAL TESTS**

TRAINING SUPPORT

Loan utilization by dental school seniors. Solomon E, et al. **J Dent Educ** 1982 Jun;46(6):350–1
The American Fund for Dental Health—a responsive catalyst. Heidkamp R. **J Dent Res** 1982 Jun;61(6):734–6
Service-conditional medical student aid programs: The experience of the states. Strosberg MA, et al. **J Med Educ** 1982 Aug;57(8):586–92
Developing the evaluation component of a grant application. Dixon J. **Nurs Outlook** 1982 Feb;30(2):122–7

ECONOMICS

Grants for training and research in toxicology. **Arch Toxicol** 1982 May;50(1):97–9
Thin students for thin medical schools [editorial] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):919–20
A medical education: only for the rich? Nieder ML. **IMJ** 1981 Aug;160(2):108
Financing dental education from the viewpoint of the academic health center: retrenchment to mediocrity or enhancement for excellence. Mulvihill JE. **J Dent Educ** 1982 Jun;46(6):307–13
Strikes and cuts [editorial] **Lancet** 1982 Jul 24;2(8291):191–2

HISTORY

Dental school capitation – an historical perspective. Winslow JE, et al. **J Dent Educ** 1981 Nov;45(11):759–62

LEGISLATION & JURISPRUDENCE

The impact of federal legislation and declining financial resources on dental education. Bruce HW Jr. **J Dent Educ** 1981 Oct;45(10):646–51
Consequences of the student loan proposals in the administration's fiscal 1983 budget [editorial] **J Med Educ** 1982 May;57(5):418–9
Doctor draft: redistributing physicians. Case for discussion. Weil B, et al. **Prog Clin Biol Res** 1981;76:209–11

TRAMADOL see under **CYCLOHEXANOLS**

TRANEXAMIC ACID see under **CYCLOHEXANECARBOXYLIC ACIDS**

TRANQUILIZING AGENTS

see related
HYPNOTICS AND SEDATIVES

Use of tranquilizers and sleeping pills among older Texans. Eve SB, et al. **J Psychoactive Drugs** 1981 Apr–Jun; 13(2):165–73
Cuban women, sex role conflicts and the use of prescription drugs. González DH, et al. **J Psychoactive Drugs** 1981 Jan–Mar;13(1):47–51

ADMINISTRATION & DOSAGE

The techniques used to sedate ventilated patients. A survey of methods used in 34 ICUs in Great Britain. Merriman HM. **Intensive Care Med** 1981;7(5):217–24
Oral administration of diazepam and promazine hydrochloride to immobilize pronghorn. Pusateri FM, et al. **J Wildl Dis** 1982 Jan;18(1):9–16

ADVERSE EFFECTS

Schizophrenics and tranquilizers [letter] Hoffer A. **Can Med Assoc J** 1982 Jun 15;126(12):1375–6
Adverse reactions to benzodiazepine-tricyclic antidepressant compound. Beresford TP, et al. **J Clin Psychopharmacol**

1981 Nov;1(6):392–4

ANTAGONISTS & INHIBITORS

[Determination of the corrective properties of midantan in disorders of rat operant activity caused by different classes of tranquilizing agent] Morozov IS, et al. **Farmakol Toksikol** 1981 Sep–Oct;44(5):543–6 **(Rus)**

BLOOD

Simultaneous determination of triazolo–benzophenone [2',5–dichloro–2–(3–glycylaminomethyl–5–methyl–4H–1,2, and its major blood metabolite, triazolam, in monkey plasma by electron–capture gas–liquid chromatography. Konishi M, et al. **J Chromatogr** 1982 May 14;229(2):355–63

METABOLISM

Formation of nitroso compounds and mutagens from tranquilizers by drug/nitrite interaction. Takeda Y, et al. **Cancer Lett** 1981 Mar;12(1–2):81–6

[Ketamine, ataralgesic combinations and antagonists] Langrehr D, et al. **Klin Anasthesiol Intensivther** 1981; 23:123–36 **(Ger)**

PHARMACODYNAMICS

The effect of lonetyl on the electroencephalogram and rheoencephalogram of experimental animals. Tsikalova R, et al. **Acta Physiol Pharmacol Bulg** 1981;7(4):43–8

Anxiety and other neurotic symptoms in patients suffering from dans la conception des états limitrophes et des mécanismes d'action clinique des tranquillisants. Skovronsky O, et al. **Agressologie** 1981 Oct;22(C):25–6

The effect of neuroleptics, tranquillizers, narcotics, antidepressants and anticonvulsive drugs on the alterations of mouse behaviour caused by acetaldehyde. Andronova LM, et al. **Drug Alcohol Depend** 1981 Sep;8(2):85–92

Prolactin levels and amphetamine–induced behavioural changes following fluphenazine decanoate administration. Merali Z. **Prog Neuropsychopharmacol** 1981;5(5–6):603–7

[Tranquillizing effects of total alkaloids of Corydalis saxicola (author's transl)] Huang XN, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):156–9 (Eng. Abstr.) **(Chi)**

[New trends in the concept of border states and mechanisms of clinical action of tranquilizers] Alexandrovsky YA. **Agressologie** 1981 Oct;22(C):19–24 **(Fre)**

[Vestibular pharmacology (author's transl)] Matsuoka I. **Nippon Yakurigaku Zasshi** 1981 Apr;77(4):337–46 (94 ref.) (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on 2 phthalic acid imide derivatives] Tamborska E, et al. **Acta Pol Pharm** 1981;38(2):255–61 (Eng. Abstr.) **(Pol)**

[Evaluation of the tranquilizing action of neurotropic drugs] Karkishchenko NN, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):126–30 (Eng. Abstr.) **(Rus)**

[GABA–ergic component in the action of the tranquilizing agent mebikar] Kirshin SV, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):15–8 (Eng. Abstr.) **(Rus)**

[Adaptogenic effect of mebikar in emotional stress, physical exertion and hypoxia] Kozlovskaia MM, et al. **Farmakol Toksikol** 1981 Nov–Dec;44(6):654–7 (Eng. Abstr.) **(Rus)**

POISONING

[Hemorheological substantiation of transfusion therapy in acute exogenous poisoning] Kostin GM, et al. **Probl Gematol Pereliv Krovi** 1981 Oct;26(10):37–41 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A controlled comparison of flupenthixol decanoate injections and oral amitriptyline in depressed out–patients. Tam W, et al. **Br J Psychiatry** 1982 Mar;140:287–91

Prescribing of tranquillizers to women and men. Anderson JE. **Can Med Assoc J** 1981 Dec 1;125(11):1229–32

To tranquillize, or not to tranquillize,—that is the question. Macpherson EL. **Practitioner** 1981 Sep;225(1359):1275–8

The treatment of anxiety and depression in general practice. Priest RG. **Practitioner** 1982 Mar;226(1365):549–51, 553, 556

Limbitrol (amitriptyline plus chlordiazepoxide) revisited. Rickels K. **Psychopharmacology (Berlin)** 1981;75(1):31–3

[Particulars in the medical treatment of geriatric patients] Junod JP. **Ther Umsch** 1981 Jan;38(1):21–5 (Eng. Abstr.) **(Fre)**

[Effect of mebikar on the experimental and clinical course of traumatic shock] Bazarevich GIa, et al. **Vestn Khir** 1981 Jul;127(7):81–5 (Eng. Abstr.) **(Rus)**

TRANQUILIZING AGENTS, MAJOR

Fluphenazine and flupenthixol decanoate in psychiatric outpatients practice. Coufal J, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):269–71

Leg haemodynamics during different forms of anaesthesia in patients undergoing reconstructive vascular surgery. Sonnenfeld T, et al. **Acta Chir Scand** 1981;147(4):249–53

Amoxapine: neuroleptic as well as antidepressant? Cohen BM, et al. **Am J Psychiatry** 1982 Sep;139(9):1165–7

Psychopharmacological profile of dapiprazole, a new potential antipsychotic agent. Silvestrini B, et al. **Arzneimittelforsch** 1982;32(6):668–73

Tardive dystonia and inappropriate use of neuroleptic drugs [letter] Burke RE, et al. **Lancet** 1982 Jun 5;1(8284):1299

Chlorpromazine, methotrimeprazine, and metabolites. Structural changes accompanying the loss of neuroleptic potency by ring sulfoxidation. Dahl SG, et al. **Mol Pharmacol** 1982 Mar;21(2):409–14

Substituted benzamide drugs as selective neuroleptic agents. Jenner P, et al. **Neuropharmacology** 1981 Dec; 20(12B):1285–93

A double–blind comparison of bromperidol and haloperidol in newly admitted schizophrenic patients. Brannen JO, et al. **Pharmacopsychiatria** 1981 Jul;14(4):139–40

[Neuroleptic anesthesia] Rügheimer E. **Klin Anasthesiol Intensivther** 1981;23:175–91 **(Ger)**

[Chronic alcohol consumption and use of anesthetics – retrospective study of laryngectomies] Abdulla W, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):199–203 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Medico–social factors and long–acting neuroleptics. Proceedings of an international symposium. Brussels, October 20, 1979. **Acta Psychiatr Belg** 1981 Mar–Apr; 81(2):103–204

The use of long–acting neuroleptics in the acute psychoses. Cassano GB, et al. **Acta Psychiatr Belg** 1981 Mar–Apr; 81(2):173–81

Psycho–social aspects of treatment with long–acting neuroleptics in Spain. Conde–Lopez VJ. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):133–53

Depot neuroleptics : a Scandinavian view. Dencker SJ. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):115–20

Experience with depot neuroleptics in ambulatory practice. Fiolet J. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):182–8

Eleven years of experience with depot neuroleptics. Gross H, et al. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):128–32

Social aspects of therapy with depot neuroleptics in the Federal Republic of Germany. Haring C, et al. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):189–202

Long–term maintenance treatment in chronic schizophrenia. Some observations on outcome and duration. Johnson DA. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):161–72

Some aspects of the French contribution during the past ten years to the study and use of injectable long–acting neuroleptics. Lambert PA, et al. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):103–14 (23 ref.)

Long–acting neuroleptics and therapeutic relationship. Pelc I. **Acta Psychiatr Belg** 1981 Mar–Apr;81(2):154–60

Intermittent medication for stable schizophrenic outpatients: an alternative to maintenance medication. Herz MI, et al. **Am J Psychiatry** 1982 Jul;139(7):918–22

Observations on neuroleptic use in acutely psychotic patients. Kirkpatrick B, et al. **J Clin Psychopharmacol** 1982 Jun; 2(3):205–7

Effects of a six–week drug holiday on symptom status, relapse, and tardive dyskinesia in chronic schizophrenics. Shenoy RS, et al. **J Clin Psychopharmacol** 1981 May; 1(3):141–5

What is the best maintenance dose of neuroleptics in schizophrenia? Baldessarini RJ, et al. **Psychiatry Res** 1980 Oct;3(2):115–22

Enhancement of the avoidance–suppressing effects of neuroleptic agents after repeated administration: changes in the discriminated avoidance response in rats. Kuribara H, et al. **Psychopharmacology (Berlin)** 1981;75(2):148–51

[Depot Neuroleptic preparations in psychiatric practice (author's transl)] Svestka J, et al. **Cesk Psychiatr** 1981 Jun; 77(3):187–97 (Eng. Abstr.) **(Cze)**

[Conditions for prolonged prescription of neuroleptics with reference to several clinical cases] Tholose A. **Ann Med Psychol (Paris)** 1981 Sep–Oct;139(8):894–9 **(Fre)**

[High–dosed neuroleptic therapy] Platz T, et al. **Pharmacopsychiatria** 1981 Jul;14(4):141–7 (82 ref.) (Eng. Abstr.) **(Ger)**

[Various methods of overcoming resistance to therapy in childhood and adolescent schizophrenia] Antropov IuF. **Zh Nevropatol Psikhiatr** 1981;81(10):1522–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Tardive dyskinesia from a neurological point of view. Starý O. **Act Nerv Super (Praha)** 1981 Dec;23(4):300–1

The prevalence of persistent abnormal involuntary movements among patients in a Nigerian long stay psychiatric unit. Odejide AO. **Afr J Med Med Sci** 1981 Mar–Jun;10(1–2):39–43

Neuroleptics, antiparkinsonian medication, and schizophrenia [letter] **Am J Psychiatry** 1981 Oct;138(10):1389–90

Psychosis associated with clonidine withdrawal. Adler LE, et al. **Am J Psychiatry** 1982 Jan;139(1):110–2

Urinary incontinence and neuroleptics [letter] Ambrosini PJ, et al. **Am J Psychiatry** 1982 Apr;139(4):539

Physical and ethnic variables in dosage for Asians [letter] Ananth J, et al. **Am J Psychiatry** 1982 Apr;139(4):539–40

Reversible and irreversible tardive dyskinesia: a case report. Chouinard G, et al. **Am J Psychiatry** 1982 Mar;139(3):360–2

Treatment of neuroleptic malignant syndrome with dantrolene sodium: a case report. Coons DJ, et al. **Am J Psychiatry** 1982 Jul;139(7):944–5

Calcium and extrapyramidal side effects [letter] El–Defrawi MH. **Am J Psychiatry** 1982 Aug;139(8):1079

Respiratory dyskinesia and dysarthria from prolonged neuroleptic use: tardive dyskinesia? Faheem AD, et al. **Am J Psychiatry** 1982 Apr;139(4):517–8

Neuroleptics and decreased bone density in women [letter] Gammon GD. **Am J Psychiatry** 1981 Nov;138(11):1517

Antipsychotic drug therapy and sexual dysfunction in men. Mitchell JE, et al. **Am J Psychiatry** 1982 May;139(5):633–7

Neuroleptic–associated dysphagia confirmed by esophageal manometry. Moss HB, et al. **Am J Psychiatry** 1982 Apr; 139(4):515–6

Perception of tardive dyskinesia in outpatients receiving maintenance neuroleptics. Rosen AM, et al. **Am J Psychiatry** 1982 Mar;139(3):372–4

Fluphenazine decanoate and tardive dyskinesia [letter] Schiff AA. **Am J Psychiatry** 1982 Jul;139(7):969–70

Familial tardive dyskinesia. Yassa R, et al. **Am J Psychiatry** 1981 Dec;138(12):1618–9

Tardive dyskinesia and other drug–induced movement disorders among handicapped children and youth. Gualtieri CT, et al. **Appl Res Ment Retard** 1980;1(1–2):55–69 (57 ref.)

Differential effects of neuroleptic agents on the pituitary–gonadal axis in men. Brown WA, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1270–2

Stimulated lymphocytes in schizophrenia. Hirata–Hibi M, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):82–7

Incidence and severity of tardive dyskinesia increase with age [letter] Johnson GF, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):486

Development and prediction of postpsychotic depression in neuroleptic–treated schizophrenics. Mandel MR, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):197–203

Tardive dyskinesia in psychiatric outpatients: a study of prevalence and association with demographic, clinical, and drug history variables. Mukherjee S, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):466–9

Neuroleptic–induced seizures. An in vitro technique for assessing relative risk. Oliver AP, et al. **Arch Gen Psychiatry** 1982 Feb;39(2):206–9

Neuroleptics and depression [letter] Wistedt B. **Arch Gen Psychiatry** 1982 Jun;39(6):745

Acute myoglobinuric renal failure. A consequence of the neuroleptic malignant syndrome. Eiser AR, et al. **Arch Intern Med** 1982 Mar;142(3):601–3

The neuroleptic malignant syndrome. Smego RA Jr, et al. **Arch Intern Med** 1982 Jun;142(6):1183–5

Neuroleptic drugs and tardive dyskinesia. Bittker TE. **Ariz Med** 1981 Sep;38(9):708–9

Sudden death. Ellman JP. **Can J Psychiatry** 1982 Jun; 27(4):331–3

Treatment of neuroleptic–induced leukopenia with lithium carbonate. Yassa R, et al. **Can J Psychiatry** 1981 Nov; 26(7):487–9

Drug–induced parkinsonism and tardive dyskinesia in nonpsychiatric patients [letter] Grimes JD. **Can Med Assoc J** 1982 Mar 1;126(5):468

Neuroleptic–induced parkinsonism: impaired potentiation of the H–reflexes. Bartels M, et al. **Electromyogr Clin Neurophysiol** 1982 Jan–Feb;22(1–2):9–20

Evaluation fo some hepatic functions among patients undergoing long–term therapy with neuroleptics and tardive dyskinesia development. Yonchev V, et al. **Folia Med (Plovdiv)** 1981;23(1):32–6

Weight gain during neuroleptic treatment. Harris E, et al. **Int J Nurs Stud** 1981;18(3):171–5

The neuroleptic malignant syndrome: a case report. Ingraham MR, et al. **Int J Psychiatry Med** 1982;12(1):43–7

Dysphoric response to neuroleptics as a predictor of treatment outcome with schizophrenics. A comparative study of haloperidol versus mesoridazine. White K, et al. **Int Pharmacopsychiatry** 1981;16(1):34–8

A centralized data system for studies of tardive dyskinesia [letter] Gualtieri CT, et al. **J Am Acad Child Psychiatry** 1982 May;21(3):303–4

Tardive dyskinesia with Tourette–like syndrome [letter] Rebal RF. **J Clin Psychiatry** 1982 May;43(5):215

Tardive–dyskinesia and lithium–associated neuropathy [letter] Rogers GA. **J Clin Psychiatry** 1981 Sep;42(9):363–4

Neuroleptic–induced supersensitivity psychosis, the 'hump course,' and tardive dyskinesia [letter] Chovinard G, et al. **J Clin Psychopharmacol** 1982 Apr;2(2):143–4

Over (or Under) prescription of antipsychotic drugs: tardive dyskinesia and other liability exposure. Fried JM. **J Clin Psychopharmacol** 1981 Jul;1(4):246–8

Neuroleptic–induced psychotic deterioration in a schizophrenic [letter] Gershon S. **J Clin Psychopharmacol** 1981 Mar;1(2):96

The effect of amantadine on prolactin levels and galactorrhea on neuroleptic–treated patients. Siever LJ. **J Clin Psychopharmacol** 1981 Jan;1(1):2–7

Drug withdrawal in chronic schizophrenic patients: in search of neuroleptic–induced supersensitivity psychosis. Weinberger DR, et al. **J Clin Psychopharmacol** 1981 May; 1(3):120–3

Emotional factors in oculogyric crisis. Bumpass ER, et al. **J Nerv Ment Dis** 1982 Jun;170(6):366–70

Sexual dysfunction and plasma prolactin levels in neuroleptic–treated schizophrenic outpatients. Ghadirian AM, et al. **J Nerv Ment Dis** 1982 Aug;170(8):463–7

Not Parkinson's disease [letter] **Lancet** 1982 Jul 3;2(8288):49

Further remarks on covert dyskinesia in ambulatory

schizophrenia [letter] Carpenter WT Jr, et al. **Lancet** 1982 Jun 19;1(8286):1421

Alcohol-triggered-neuroleptic-induced tremor, rigidity and dystonia [letter] Freed E. **Med J Aust** 1981 Jul 11;2(1):44–5

Neuroleptic-induced tasikinesia [letter] Freed ED. **Med J Aust** 1981 Nov 14;2(10):517

The neuroleptic malignant syndrome. Schrader G, et al. **Med J Aust** 1981 Oct 31;2(9):494

Neuroleptic malignant syndrome [letter] Schrader GD. **Med J Aust** 1982 May 1;1(9):367

Neuroleptic malignant syndrome caused by dopamine depleting drugs [letter] Login IS, et al. **Neurology (NY)** 1982 Feb;32(2):218–9

Meige syndrome (blepharospasm–oromandibular dystonia) after long-term neuroleptic therapy. Weiner WJ, et al. **Neurology (NY)** 1981 Dec;31(12):1555–6

Neuroleptic malignant syndrome [letter] Zito G. **Neurology (NY)** 1981 Nov;31(11):1500

Sudden death and neuroleptics [letter] Craig TJ, et al. **Psychopharmacol Bull** 1982 Apr;18(2):2

Sudden death as a risk of neuroleptic treatment: (a continuing controversy). Leber P. **Psychopharmacol Bull** 1981 Jul; 17(3):6–9

Effect of single oral doses of various neuroleptic drugs on salivary secretion rate, pH, and buffer capacity in healthy subjects. Molander L, et al. **Psychopharmacology (Berlin)** 1981;75(2):114–8

Neuroleptic-induced acute dyskinesias in rhesus monkeys. Porsolt RD, et al. **Psychopharmacology (Berlin)** 1981; 75(1):16–21

Depressive states occurring during the neuroleptic treatment of schizophrenia. Möller HJ, et al. **Schizophr Bull** 1982; 8(1):109–17

Tardive dyskinesia in chronic schizophrenic inpatients. Kua EH, et al. **Singapore Med J** 1982 Feb;23(1):19–21

[Tardive dyskinesia following after small doses of neuroleptics] Bjørndal F, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):871–2 (Eng. Abstr.) **(Dan)**

[Tardive dyskinesia following after neuroleptics in small doses] Rasmussen PT, et al. **Ugeskr Laeger** 1982 Mar 22; 144(12):894–5 **(Dan)**

[Convulsions during simultaneous treatment with neuroleptics and antidepressive agents] Waehrens J. **Ugeskr Laeger** 1982 Jan 11;144(2):106–8 (Eng. Abstr.) **(Dan)**

[The 'malignant' neuroleptic syndrome (letter)] Snoek JW, et al. **Ned Tijdschr Geneeskd** 1982 Jan 9;126(2):74–6 **(Dut)**

[Neuroleptic malignant syndrome. Reappraisal apropos of 2 cases] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1981 May;139(5):547–56 **(Fre)**

[Malignant hyperthermia induced by neuroleptics. Rapid cure with dantrolene (letter)] Boles JM, et al. **Nouv Presse Med** 1982 Feb 27;11(9):674 **(Fre)**

[Acute renal failure caused by non-traumatic rhabdomyolysis (letter)] Deboscker Y, et al. **Nouv Presse Med** 1982 Jan 16;11(2):131 **(Fre)**

[Therapy of neuroleptic malignant syndrome with dantrolene] Delacour JL, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3572–3 **(Fre)**

[Reflections on the malignant neuroleptic (letter)] Pera J, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2230 **(Fre)**

[Amantadine in malignant neuroleptic syndrome] Rojtman M, et al. **Harefuah** 1981 Apr 1;100(7):333 (Eng. Abstr.) **(Heb)**

[Prevention of tardive dyskinesia caused by neuroleptic therapy] Perényi A. **Orv Hetil** 1981 Jul 5;122(27):1627–30 **(Hun)**

ANALYSIS

Compatibility of lithium citrate syrup with 10 neuroleptic solutions. Theesen KA, et al. **Am J Hosp Pharm** 1981 Nov; 38(11):1750–3

High performance liquid chromatographic determination of clocapramine in feed and plasma. Geahchan A, et al. **J Assoc Off Anal Chem** 1982 May;65(3):706–10

ANTAGONISTS & INHIBITORS

Differential reversal by scopolamine of effects of neuroleptics in rats. Relevance for evaluation of therapeutic and extrapyramidal side-effect potential. Arnt J, et al. **Neuropharmacology** 1981 Dec;20(12B):1331–4

BLOOD

Low serum neuroleptic levels predict relapse in schizophrenic patients. Brown WA, et al. **Arch Gen Psychiatry** 1982 Sep;39(9):998–1000

Measurement of neuroleptic concentrations by GLC and radioreceptor assay. Javaid JI, et al. **Commun Psychopharmacol** 1980;4(6):467–75

The treatment of refractory schizophrenia: pharmacotherapy and clinical implications of blood level measurement of neuroleptics. Pi EH, et al. **Int Pharmacopsychiatry** 1981; 16(3):154–61

Acute extrapyramidal side effects: serum levels of neuroleptics and anticholinergics. Tune L, et al. **Psychopharmacology (Berlin)** 1981;75(1):9–15

Influence of blood sampling methods on dopamine-receptor-blocking activities as determined by a radioreceptor assay. Lai AA, et al. **Ther Drug Monit** 1982; 4(1):89–93

Neuroleptic drug level monitoring in psychiatry: focus on radioreceptor assay techniques. Tune LE, et al. **Ther Drug Monit** 1982;4(1):59–64

CHEMICAL SYNTHESIS

Synthesis and neuroleptic activity of benzamides. Cis-N-(1-benzyl-2-methylpyrrolidin-3-yl)-5-chloro-2-m and related compounds. Iwanami S, et al. **J Med Chem** 1981 Oct;24(10):1224–30

A dopamine receptor model and its application in the design of a new class of rigid pyrrolo[2,3-g]isoquinoline antipsychotics. Olson GL, et al. **J Med Chem** 1981 Sep; 24(9):1026–34

METABOLISM

Disposition of 1-(3-chlorophenyl)-3-[2-(3,3-dimethyl-1-azetidinyl)ethyl imidazolidin-2-one hydrochloride, a new neuroleptic agent, in the rat and the dog. Assandri A, et al. **Farmaco [Prat]** 1981 Sep;36(9):403–15

Striatal binding of 2-amino-6,7-[3H]dihydroxy-1,2,3,4-tetrahydronaphthalen to two dopaminergic sites distinguished by their low and high affinity for neuroleptics. List SJ, et al. **J Neurosci** 1982 Jul;2(7):895–906

Pharmacokinetic aspects of new antipsychotic drugs. Dahl SG. **Neuropharmacology** 1981 Dec;20(12B):1299–302

Solubilized dopamine/neuroleptic receptors (D2-type). Madras BK, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):543–8

Active metabolites of neuroleptic drugs: possible contribution to therapeutic and toxic effects. Dahl SG. **Ther Drug Monit** 1982;4(1):33–40 (43 ref.)

[Pharmacokinetics and metabolism – tranquilizing agents (minor and major), benzodiazepine] Kapp W. **Klin Anasthesiol Intensivther** 1981;23:30–42 **(Ger)**

PHARMACODYNAMICS

A study of inhibition of cholera toxin-induced intestinal hypersecretion by neuroleptics. Larsen JJ. **Acta Pharmacol Toxicol (Copenh)** 1982 Apr;50(4):294–9

Effect of neuroleptic drugs on prostaglandin synthetase activity. Sokola A. **Acta Physiol Pol** 1981 May–Jun; 32(3):333–9

Neuroleptic versus antidepressant activity of sulpiride isomers in the rat. Montanaro N, et al. **Adv Biochem Psychopharmacol** 1982;31:341–6

Effect of antipsychotic medication on speed of information processing in schizophrenic patients. Braff DL, et al. **Am J Psychiatry** 1982 Sep;139(9):1127–30

General pharmacological properties of dapiprazole, a potential psychotropic agent. Lisciani R, et al. **Arzneimittelforsch** 1982;32(6):674–8

Effects of dapiprazole on pupillary size and intraocular pressure in rabbits. Silvestrini B, et al. **Arzneimittelforsch** 1982;32(6):678–81

Effect of local anaesthetics on lymphocyte capping and energy metabolism. Montecucco C, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2989–92

Theoretical implications of tolerance development in DA, ACh and GABA turnover after neuroleptic chronic treatment. Agnati LF, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15;57(11):1261–6

Increased central 5-hydroxytryptamine receptor mechanisms in rats after chronic neuroleptic treatment. Dawbarn D, et al. **Br J Pharmacol** 1981 May;73(1):149–56

The effects of some antipsychotic drugs, D-amphetamine, and reserpine on the concentration and rate of accumulation of tryptamine and 5-hydroxytryptamine in the mouse striatum. Juorio AV. **Can J Physiol Pharmacol** 1982 Mar;60(3):376–80

Changes in catalepsy and receptor sensitivity following chronic neuroleptic treatment. Allikmets LH, et al. **Eur J Pharmacol** 1981 Oct 22;75(2–3):145–7

Brain histamine H1- and H2-receptors and histamine-sensitive adenylate cyclase: effects of antipsychotics and antidepressants. Coupet J, et al. **Eur J Pharmacol** 1981 Sep 11;74(2–3):149–55

Hypophysectomy does not prevent development of striatal dopamine receptor supersensitivity induced by repeated neuroleptic treatment. Jenner P, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):31–6

Dopamine autoreceptor and postsynaptic receptor blocking potency of neuroleptics. Kendler KS, et al. **Eur J Pharmacol** 1982 Apr 23;79(3–4):217–23

Des-tyr-gamma-endorphin (DT gamma E) and pineal levels of melatonin and arginine vasopressin (AVP). King MG, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):271–4

Lack of effect of des-tyrosine1-gamma-endorphin on in vivo [3H]spiperone binding. Lahti RA, et al. **Eur J Pharmacol** 1982 May 7;80(1):127–9

Morphine and [D-Met2,Pro5]enkephalinamide do not show specific neuroleptic activity. Sineger E, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):359–68

A comparison of the effects of neuroleptics on phencyclidine-induced behaviors in the rat. Sturgeon RD, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):37–53

Actions of antidepressant and neuroleptic drugs on ACTH- and novelty-induced behavior in the rat. Traber J, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):407–14

Comparative effects of short- and long-term treatment with neuroleptics on behavioural activity as well as dopamine turnover in striatum. Rastogi RB, et al. **Gen Pharmacol** 1982;13(1):35–40

A study on the pharmacological and biochemical profile of clocapramine. Kurihara M, et al. **Int Pharmacopsychiatry** 1982;17(2):73–90

Dopamine antagonist properties of atypical neuroleptics may be revealed following mesolimbic denervation. Nohria V, et al. **Int Pharmacopsychiatry** 1981;16(1):21–9

Malignant hyperthermia in pigs: calcium ion uptake by mitochondria from skeletal muscle of susceptible animals given neuroleptic drugs and halothane. Somers CJ, et al. **J Comp Pathol** 1982 Apr;92(2):191–8

A rational ordering of the actions of antipsychotic drugs. Schwarcz G. **J Fam Pract** 1982 Feb;14(2):263–7

How capable of driving are hospitalized psychiatric patients under psycho-active drug therapy? Hobi V, et al. **J Int Med Res** 1981;9(6):434–47

Biochemical and pharmacological activities of zetidoline (DL 308-IT): a new antidopaminergic agent. Barone D, et al. **J Pharm Pharmacol** 1982 Feb;34(2):129–32

BW 234U, (cis-9-[3-(3,5-dimethyl-1-piperazinyl)propyl]carbazole dihydrochloride): a novel antipsychotic agent. Ferris RM, et al. **J Pharm Pharmacol** 1982 Jun;34(6):388–90

Some autonomic blocking properties of zetidoline (DL 308-IT), a novel potential anti-psychotic drug. Fosbraey P, et al. **J Pharm Pharmacol** 1982 Feb;34(2):127–8

Effects of microinjection of 2-chloro-11 (2-dimethylaminoethoxy)-dibenzo[b,f]-thiepine (zotepine), thioridazine and haloperidol into the striatum and nucleus accumbens on stereotypic behaviour and motor activity. Lai H, et al. **J Pharm Pharmacol** 1981 Apr;33(4):252–4

Comparative effects of classical and atypical antipsychotic drugs in combination with a non-amphetamine stimulant on rat brain dopamine metabolism. McMillen BA. **J Pharm Pharmacol** 1981 Aug;33(8):544–6

Antipsychotic drug effects on dopamine and serotonin receptors: in vitro binding and in vivo turnover studies. Bacopoulos NG. **J Pharmacol Exp Ther** 1981 Dec; 219(3):708–14

Effect of dopamine agonists and neuroleptic agents on striatal acetylcholine transmission in the rat: evidence against dopamine receptor multiplicity. Scatton B. **J Pharmacol Exp Ther** 1982 Jan;220(1):197–202

Ex vivo 3H-spiroperidol binding to rat striatum and the inhibitory effects of neuroleptics. Nakajima T, et al. **Jpn J Pharmacol** 1981 Apr;31(2):159–64

Effect of zotepine on afterdischarge induced by electrical stimulation of amygdaloid nucleus in rats. Satoh H, et al. **Jpn J Pharmacol** 1982 Apr;32(2):381–3

The central anti-serotonin activity of zotepine, a new neuroleptic, in rats. Shimomura K, et al. **Jpn J Pharmacol** 1982 Jun;32(3):405–12

Enhancement of drug withdrawal convulsion by combinations of phenobarbital and antipsychotic agents. Tagashira E, et al. **Jpn J Pharmacol** 1981 Oct;31(5):689–99

Correlation of plasma and CSF prolactin with CSF GABA during neuroleptic treatment. Bowers MB Jr, et al. **Life Sci** 1982 Jul 5;31(1):59–65

Increase of dopamine synthesis in synaptosomes from rats treated with neuroleptics or reserpine. Tissari AH. **Med Biol** 1982 Feb;60(1):38–41

Neuropharmacological supersensitivity-clinical and experimental correlates and methodological considerations. Owen RT. **Methods Find Exp Clin Pharmacol** 1980 Apr; 2(2):89–95 (49 ref.)

Effects of neuroleptic drugs on endogenous opioid peptides in the rat. Höllt V. **Mod Probl Pharmacopsychiatry** 1981; 17:1–18

Magnesium-dependent inhibition of beef heart soluble mitochondrial adenosine triphosphatase by tricyclic antipsychotics. Palatini P. **Mol Pharmacol** 1982 Mar; 21(2):415–21

Chronic continuous administration of neuroleptic drugs alters cerebral dopamine receptors and increases spontaneous dopaminergic action in the striatum. Murugaiah K, et al. **Nature** 1982 Apr 8;296(5857):570–2

Site-specific blockade of dopamine receptors by neuroleptic agents in human brain. Borison RL, et al. **Neuropharmacology** 1981 Dec;20(12B):1321–2

The contrasting effects of neuroleptics on transmitter release from the nucleus accumbens and corpus striatum. de Belleroche JS, et al. **Neuropharmacology** 1982 Jun; 21(6):529–37

Actions of neuroleptics on the acetylcholine-induced phospholipid effect in rat neostriatal homogenates. Friedel RO, et al. **Neuropharmacology** 1981 Oct;20(10):925–30

Pharmacological properties of new antipsychotic agents: use of animal models. Puech AJ, et al. **Neuropharmacology** 1981 Dec;20(12B):1279–84

Dopamine receptors and schizophrenia: the neuroleptic drug problem. Reynolds GP, et al. **Neuropharmacology** 1981 Dec;20(12B):1319–20

Hypokinesia in mice and catalepsy in rats elicited by morphine associated with antidopaminergic agents, including atypical neuroleptics. Barghon R, et al. **Neurosci Lett** 1981 Nov 18;27(1):69–73

Degradation of met-enkephalin by extracts of various regions of the human brain: effects of antipsychotics and narcotics in vitro. Jakubovic A. **Peptides (Fayetteville)** 1982 Jan–Feb; 3(1):21–6

Neuroleptic and analgesic interactions upon pain and activity measures. Bodnar RJ, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):411–6

Neuropeptide degrading enzyme(s) in plasma and brain: effects of in vivo neuroleptic administration. Traficante LJ, et al. **Pharmacol Res Commun** 1982 Apr;14(4):341–8

Effect of neuroleptics on release on acetylcholine to the lateral cerebral ventricle in the rat. Plech A, et al. **Pol J Pharmacol Pharm** 1981 Nov;33(4):393–400

Chronic treatments with zotepine, thioridazine, and haloperidol affect apomorphine–elicited stereotypic behavior and striatal 3H–spiroperidol binding sites in the rat. Lai H, et al. **Psychopharmacology (Berlin)** 1981; 75(4):388–90

Disruption of primate social behavior by d–amphetamine and cocaine: differential antagonism by antipsychotics. Miczek KA, et al. **Psychopharmacology (Berlin)** 1982;76(2):163–71

Antagonism of hypothermia and behavioral response to apomorphine: a simple, rapid and discriminating test for screening antidepressants and neuroleptics. Puech AJ, et al. **Psychopharmacology (Berlin)** 1981;75(1):84–91

Assessing pharmacologically induced dopamine receptor sensitivity changes with the Ungerstedt turning model. Siever L, et al. **Psychopharmacology (Berlin)** 1981; 75(2):212–3

[Psychological effects of neuroleptics (author's transl)] Ginestet D. **Encephale** 1981;7(3):225–34 (Eng. Abstr.) **(Fre)**

[Some pharmacological aspects of neuroleptics (author's transl)] Niemegeers CJ. **Encephale** 1981;7(3):215–24 (Eng. Abstr.) **(Fre)**

[Biochemical mechanism of action of neuroleptics (author's transl)] Scatton B. **Encephale** 1981;7(3):201–14 (Eng. Abstr.) **(Fre)**

[Effect of psychotropic drugs on the central dopamine metabolism (example: neuroleptics)] Havemann U. **Arzneimittelforsch** 1981;Suppl 27:18–22 **(Ger)**

[Neuroleptics and antidepressive agents] Kreiskott H, et al. **Arzneimittelforsch** 1981;Suppl 27:34–44 (32 ref.) **(Ger)**

[Changes in plasma ADH levels during neuroleptic analgesia snd extracorporeal circulation] Weidler B, et al. **Med Welt** 1982 Jun 4;33(22):820–2 **(Ger)**

[Incidence and characteristics of involuntary movements appearing spontaneously in the elderly] Karniol IG, et al. **Arq Neuropsiquiatr** 1981 Jun;39(2):133–42 (Eng. Abstr.) **(Por)**

[Comparative characteristics of neuroleptics as antagonists of noradrenaline and dopamine] Abramets II, et al. **Farmakol Toksikol** 1981 May–Jun;44(3):287–91 (Eng. Abstr.) **(Rus)**

[Effect of neuroleptics on foot–pedal self stimulation from the ventral tegmentum mesencephali in rats and its correlation with cataleptogenic action] Talalaenko AN, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):19–22 (Eng. Abstr.) **(Rus)**

POISONING

[The 'malignant' neuroleptic syndrome] Gelmers HJ, et al. **Ned Tijdschr Geneeskd** 1981 Sep 19;125(38):1535–8 (Eng. Abstr.) **(Dut)**

[Cardiogenic shock in neuroleptic poisoning. Reversibility by a bolus of dobutamine (letter)] Gabry A, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2225–6 **(Fre)**

THERAPEUTIC USE

Further clinical experience with oxyprothepin–decanoate. Kalvach Z, et al. **Act Nerv Super (Praha)** 1981 Dec; 23(4):271–2

Lack of tolerance to long–term neuroleptic treatment in dopamine tuberoinfundibular system. Chouinard G, et al. **Acta Psychiatr Scand** 1981 Nov;64(5):353–62

Cis(Z)–clopenthixol. The neuroleptically active isomer of clopenthixol. A presentation of five double–blind clinical investigations and other studies with cis(Z)–clopenthixol (Cisordinol, Clopixol). **Acta Psychiatr Scand [Suppl]** 1981; 294:1–77

Cis(Z)–clopenthixol. The neuroleptically active isomer of clopenthixol. A presentation of five double–blind clinical investigations and other studies with cis(Z)–clopenthixol (Cisordinol, Clopixol). Gravem A, et al. **Acta Psychiatr Scand [Suppl]** 1981:294:5–12

A report on the use of flupenthixol in the maintenance treatment of psychotic patients at Ibadan, Nigeria. Jegede RO, et al. **Afr J Psychiatr** 1981 Jan–Apr;7(1–2):21–4

Anxiolytic properties of neuroleptic drugs. Balon R, et al. **Agressologie** 1981 Nov;22(D):9–10

Treatment of anxious depression with intravenous infusions of a combination of drugs. Krebs–Roubicek E, et al. **Agressologie** 1981 Nov;22(D):25–6

Neuroleptics in the treatment of anxiety. Schmidt P. **Agressologie** 1981 Nov;22(D):19–20

Neuroleptic drug use in a family–practice center. Holt RJ, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1716–9

Tea drinking and neuroleptic dosage [letter] Cheung HK. **Am J Psychiatry** 1981 Nov;138(11):1517

Fluphenazine enanthate and fluphenazine decanoate in the treatment of schizophrenic outpatients: extrapyramidal symptoms and therapeutic effect. Chouinard G, et al. **Am J Psychiatry** 1982 Mar;139(3):312–8

Neuroleptic–free intervals in the treatment of schizophrenia. Pyke J, et al. **Am J Psychiatry** 1981 Dec;138(12):1620–1

Subnormal CSF levels of neurotensin in a subgroup of schizophrenic patients: normalization after neuroleptic treatment. Widerlöv E, et al. **Am J Psychiatry** 1982 Sep; 139(9):1122–6

Oral premedication for children with a droperidol, trimeprazine and methadone mixture [letter] Bullen C, et al. **Anaesthesia** 1982 Feb;37(2):212–3

An effect of neuroleptic medication on plasma dopamine–beta–hydroxylase activity. DeLisi LE, et al. **Biol Psychiatry** 1981 Sep;16(9):873–8

Neuroleptics decrease blinking in schizophrenic subjects. Karson C, et al. **Biol Psychiatry** 1981 Jul;16(7):679–82

The inadvisability of neuroleptic medication in Wilson's disease. Tu J. **Biol Psychiatry** 1981 Oct;16(10):963–8

Antiparkinsonian medication in depressed schizophrenics on depot neuroleptics [letter] Bennie EH. **Br J Psychiatry** 1982 Feb;140:210

Neuroendocrine tests during treatment with neuroleptic drugs. II. The TRH test. Braddock LE, et al. **Br J Psychiatry** 1981 Nov;139:404–7

Schizophrenics fully remitted on neuroleptics for 3–5 years—to stop or continue drugs? Cheung HK. **Br J Psychiatry** 1981 Jun;138:490–4

Neuroendocrine tests during treatment with neuroleptic drugs. III. Plasma growth hormone and prolactin responses to apomorphine. Kolakowska T, et al. **Br J Psychiatry** 1981 Nov;139:408–12

Neuroendocrine tests during treatment with neuroleptic drugs I. Plasma prolactin response to haloperidol challenge. Kolakowska T, et al. **Br J Psychiatry** 1981 Nov;139:400–4

Neuroleptics and abnormal movements. Lader MH. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):463–4

Guardianship and the right to refuse treatment: a critique of the Roe case. Mills MJ, et al. **Bull Am Acad Psychiatry Law** 1981;9(4):239–46

Pharmacologic features and effects of neuroleptics. Seeman MV. **Can Med Assoc J** 1981 Oct 15;125(8):821–6 (29 ref.)

Pharmacotherapy of borderline disorders. Soloff PH. **Compr Psychiatry** 1981 Nov–Dec;22(6):535–43

Possible use of non–neuroleptic isomers of anti–psychotics in anti–sickling therapy. Ohnishi ST, et al. **Eur J Pharmacol** 1981 Oct 22;75(2–3):121–5

A preliminary report on effects of initiating medication groups at a mental health clinic. Moffic HS. **Hosp Community Psychiatry** 1982 May;33(5):387

Antipsychotic medications: clinical use and effectiveness. Cordoba OA. **Hosp Pract** 1981 Dec;16(12):99–101, 104, 108

Studies of the long term efficacy of antipsychotic drugs in controlling the behavior of institutionalized retardates. Zimmermann RL, et al. **J Am Acad Child Psychiatry** 1982 Mar;21(2):136–43

Hyperactivity in senile dementia. Finestone DH, et al. **J Am Geriatr Soc** 1982 Aug;30(8):521–3

Is maintenance neuroleptic therapy necessary in shallow hebephrenia [letter] Kelwala S, et al. **J Clin Psychiatry** 1981 Dec;42(12):482

Antipsychotic drugs and the noninstitutionalized patient: a leap into the future or the past? Fried JM. **J Clin Psychopharmacol** 1981 Sep;1(5):323–5

Neuroleptic–like and antipsychotic effects of gamma–type endorphins. Van Ree JM, et al. **Mod Probl Pharmacopsychiatry** 1981;17:266–78

Huntington disease: functional capacities in patients treated with neuroleptic and antidepressant drugs. Shoulson I. **Neurology (NY)** 1981 Oct;31(10):1333–5

Neuroleptics as antidepressants. Robertson MM, et al. **Neuropharmacology** 1981 Dec;20(12B):1335–6

The pharmacological and biochemical basis of neuroleptic treatment in schizophrenia. Niemegeers CJ, et al. **Pharm Weekbl [Sci]** 1982 Jun 25;4(3):71–8 (61 ref.)

Initial improvement as predictor of outcome of neuroleptic treatment. Nedopil N, et al. **Pharmacopsychiatria** 1981 Nov; 14(6):205–7

A follow–up study of schizophrenic outpatients treated with depot–neuroleptics. Tegeler J, et al. **Prog Neuropsychopharmacol** 1981;5(1):79–90

Effects of long–term neuroleptic use on brain density. Lyon K, et al. **Psychiatry Res** 1981 Aug;5(1):33–7

Genetic factors in the response to neuroleptics in schizophrenia: a psychopharmacogenetic study. Galdi J, et al. **Psychol Med** 1981 Nov;11(4):713–28

Psychoactive drug treatment in retarded populations. **Psychopharmacol Bull** 1982 Jan;18(1):50–66

Efficacy of neuroleptic medication in pervasive developmental disorders of childhood. Mikkelsen EJ. **Schizophr Bull** 1982;8(2):320–32

[Psychopharmacology and Research into Borderline states (author's transl)] Bolelouckỳ Z, et al. **Cesk Psychiatr** 1981 Jun;77(3):148–52 (Eng. Abstr.) **(Cze)**

[Mechanism of action and indications for psychopharmaceutic agents: possibilities and limitations in the elderly] Verhoeven WM. **Gerontologie** 1981 Aug; 12(3):126–38 (Eng. Abstr.) **(Dut)**

[Premedication with neuroleptic and anxiolytic agents: for whom?] Knape JT, et al. **Ned Tijdschr Geneeskd** 1982 Feb 6;126(6):233–6 (Eng. Abstr.) **(Dut)**

[Psychosis treated with neuroleptics. Myositis and rise in serum creatine kinase during acute episodes (letter)] Luaute JP, et al. **Nouv Presse Med** 1981 Sep 19;10(33):2751 **(Fre)**

[Clinical treatment of schizophrenia today] Preissler HP. **Med Welt** 1981 Nov 20;32(47):1793–8 **(Ger)**

[Predictors of the course of schizophrenic diseases under neuroleptic long–term medication (author's transl)] Gaebel W, et al. **Pharmacopsychiatria** 1981 Sep;14(5):180–8 (Eng. Abstr.) **(Ger)**

[The role of high–dosage neuroleptic therapy and electroshock in the treatment of the acute phase of schizophrenia] Ungvári G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Aug; 33(8):458–63 (Eng. Abstr.) **(Ger)**

[In–patient withdrawal treatment of heroin addicts with neuroleptics (author's transl)] Schanda H, et al. **Wien Klin Wochenschr** 1982 Jan 22;94(2):43–8 (Eng. Abstr.) **(Ger)**

[Therapy with psychotropic drugs in children with 'behavior disorders'] Kinze W. **Z Arztl Fortbild (Jena)** 1981 Sep 15; 75(18):857–8 **(Ger)**

[Role of the adrenolytic properties of neuroleptics in their effects on ethanol addiction] Lakoza GN, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):151–4 (Eng. Abstr.) **(Rus)**

[Determination of methylnicotinamide in the blood and urine as a means of controlling neuroleptic treatment effectiveness] Mys'ko GN. **Vrach Delo** 1982 Jan;(1):98–9 (Eng. Abstr.) **(Rus)**

[Comparison between the effectiveness of fluphenazine decanoate and oxyprothepin decanoate in schizophrenia (double–blind crossover study)] Balon R, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):116–8 (Eng. Abstr.) **(Rus)**

[Dynamics of integral parameters of the background EEG during treatment with neuroleptics] Bochkarev VK, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):258–64 (Eng. Abstr.) **(Rus)**

[Predicting the effect of psychopharmacotherapy in schizophrenic patients] Dikii NT. **Zh Nevropatol Psikhiatr** 1982;82(1):110–5 (Eng. Abstr.) **(Rus)**

[Biological methods of predicting the effectiveness of psychopharmacologic treatment of schizophrenia (review)] Nemtsov AV, et al. **Zh Nevropatol Psikhiatr** 1981; 81(8):1232–41 (123 ref.) **(Rus)**

TOXICITY

Effects of lithium and neuroleptics and combinations of the two on renal function and structure in rats. Christensen S, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep; 49(3):161–7

[Effect of psychotolytic drugs on the heart and their toxic action—ECG analysis of 183 cases (author's transl)] Chen ZG. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979 Jun;12(2):109–11 **(Chi)**

TRANQUILIZING AGENTS, MINOR

Multicenter trials and complementary studies of cloxazolam, a new anxiolytic drug. Fischer–Cornelssen KA. **Arzneimittelforsch** 1981;31(10):1757–65

Diazepam anxiolytic activity in hippocampus. Campbell JL, et al. **Commun Psychopharmacol** 1980;4(5):387–92

Out–patient detoxification of patients addicted to sedative–hypnotics and anxiolytics. Hawthorne JW, et al. **Drug Alcohol Depend** 1982 Apr;9(2):143–51

Use of stimulant/depressant drugs by drug abuse clients in selected metropolitan areas. Brown BS, et al. **Int J Addict** 1981 Dec;16(8):1473–90

Evidence that piracetam has an anxiolytic action. File SE, et al. **J Affective Disord** 1979 Dec;1(4):227–35

The efficacy and safety of nabilone (a synthetic cannabinoid) in the treatment of anxiety. Fabre LF, et al. **J Clin Pharmacol** 1981 Aug–Sep;21(8–9 Suppl):377S–382S

Anxiolytic effects of low dosage nitrous oxide–oxygen mixtures administered continuously in apprehensive subjects. Sundin RH, et al. **South Med J** 1981 Dec; 74(12):1489–92

[Are benzodiazepines anxiolytics or hypnotics?] Porot M, et al. **Ann Med Psychol (Paris)** 1981 Sep–Oct;139(8):915–9 **(Fre)**

ADMINISTRATION & DOSAGE

[Combined treatment of idiopathic dysmenorrhoea by acetylsalicylic acid and guaiphenezine (author's transl)] Kraus I, et al. **Cesk Gynekol** 1981 Sep;46(8):601–5 (Eng. Abstr.) **(Cze)**

[Prognosis of the individual efficacy of premedication] Mikhel'son VA, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):16–7 **(Rus)**

[Effect of GABA–negative preparations on the anxiolytic and sedative effects of diazepam] Andreev BV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):685–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Adverse effects of antianxiety drugs. Edwards JG. **Drugs** 1981 Dec;22(6):495–514 (83 ref.)

Abstinence symptoms after withdrawal of tranquillising drugs: is there a common neurochemical mechanism? Cowen PJ, et al. **Lancet** 1982 Aug 14;2(8294):360–2

ANALYSIS

[Colorimetric determination of 4–chloro–2–(o–chlorobenzoyl)–N–methyl–N

alpha-glycylglycinanilide with 3,5-dibromsalicyladehyde (author's transl)] Ikenishi R, et al. **Yakugaku Zasshi** 1981 Jun;101(6):532-7 (Eng. Abstr.) **(Jpn)**

BLOOD

Determination of the anxiolytic agent 8-chloro-6-(2-chlorophenyl)-4H-imidazo-[1,5-alpha] [1,4]-benzodiazepine-3-carboxamide in whole blood, plasma or urine by high-performance liquid chromatography. Puglisi CV, et al. **J Chromatogr** 1981 Nov 13;226(1):135-46

METABOLISM

Biotransformation in the monkey of cartazolate (SQ 65,396), a substituted pyrazolopyridine having anxiolytic activity. Kripalani KJ, et al. **Xenobiotica** 1981 Jul;11(7):481-8

[Pharmacokinetics and metabolism - tranquilizing agents (minor and major), benzodiazepine] Kapp W. **Klin Anasthesiol Intensivther** 1981;23:30-42 **(Ger)**

PHARMACODYNAMICS

Effects of some minor tranquilizers on centrogenic cardiac arrhythmias in rats. Crisan A, et al. **Agressologie** 1982 Mar; 23(1):29-32

Anxiolytics and beta blockers: evaluation of pharmacodynamics by quantitative EEG, psychometric and physiological variables. Saletu B, et al. **Agressologie** 1981 Oct;22(C):5-16

The effect of temperature on CL 218872 and propyl beta-carboline-3-carboxylate inhibition of [3H]-flunitrazepam binding in rat brain. Gee KW, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1532-7

Minor tranquilizers and brain defense systems. Graeff FG. **Braz J Med Biol Res** 1981 Oct;14(4-5):239-65 (195 ref.)

Interaction of putative anxiolytic agents with central adenosine receptors. Williams M, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):897-900

Effects of alcohol on buspirone and lorazepam actions. Seppälä T, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):201-7

Enhancement of benzodiazepine and GABA binding by the novel anxiolytic, tracazolate. Meiners BA, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):315-22

Pharmacological properties of tracazolate: a new non-benzodiazepine anxiolytic agent. Patel JB, et al. **Eur J Pharmacol** 1982 Mar 12;78(3):323-33

Comparative effects of diazepam and buspirone on subjective feelings, psychological tests and the EEG. Bond AJ, et al. **Int Pharmacopsychiatry** 1981;16(4):212-20

Single-dose study of nabilone in anxious volunteers. Glass RM, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):383S-396S

The use of social interaction as a method for detecting anxiolytic activity of chlordiazepoxide-like drugs. File SE. **J Neurosci Methods** 1980 Jun;2(3):219-38

Neurochemical effects of buspirone, a novel psychotropic drug, on the central cholinergic system. Kolasa K, et al. **J Pharm Pharmacol** 1982 May;34(5):314-7

Anxiolytic properties of opiates and endogenous opioid peptides and their relationship to the actions of benzodiazepines. Millan MJ, et al. **Mod Probl Pharmacopsychiatry** 1981;17:123-41

GABA mediation of the anti-aversive action of minor tranquilizers. Brandão ML, et al. **Pharmacol Biochem Behav** 1982 Mar;16(3):397-402

A sensitive open field measure of anxiolytic drug activity. Britton DR, et al. **Pharmacol Biochem Behav** 1981 Oct; 15(4):577-82

Convulsant benzodiazepine Ro 5-3663 has anxiolytic properties. Feldon J, et al. **Pharmacol Biochem Behav** 1982 May;16(5):689-91

Anxiolytic drugs selectively increase preferred duration of rewarding brain stimulation in a shuttlebox test. Gerhardt S, et al. **Pharmacol Biochem Behav** 1982 May;16(5):795-9

Effect of minor tranquilizers, tryptamine antagonists and amphetamine on behavior punished by brain stimulation. Morato de Carvalho S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):351-6

Conditioned defensive burying: a new paradigm for the study of anxiolytic agents. Treit D, et al. **Pharmacol Biochem Behav** 1981 Oct;15(4):619-26

Effects of anxiolytic drugs on the catecholamine and DOPAC (3, 4-dihydroxyphenylacetic acid) levels in brain cortical areas and on corticosterone and prolactin secretion in rats subjected to stress. Fekete MI, et al. **Psychoneuroendocrinology** 1981;6(2):113-20

A water lick conflict paradigm using drug experienced rats. Petersen EN, et al. **Psychopharmacology (Berlin)** 1981; 75(3):236-9

[What should be expected of an anxiolytic drug? (author's transl)] Gorceix A. **Nouv Presse Med** 1982 May 13; 11(22):1684-6 **(Fre)**

[Necessary animal experiments for the development of drugs with minor tranquilizer characteristics] Lehr E. **Arzneimittelforsch** 1981;Suppl 27:45-6 **(Ger)**

THERAPEUTIC USE

Prescribing of minor tranquillizers for emotional problems in a family practice. Bass MJ, et al. **Can Med Assoc J** 1981 Dec 1;125(11):1225-6

Practical therapeutics. Anxiolytic drugs. Obel AO. **East Afr Med J** 1981 Aug;58(8):551-6

Management of the anxious patient prone to drug abuse. Hollister LE. **J Clin Psychiatry** 1981 Nov;42(11 Pt 2):35-9

Recent advances in anxiolytic therapy. Rickels K. **J Clin Psychiatry** 1981 Nov;42(11 Pt 2):40-4

Tranquilizers and decline in cardiovascular mortality [letter] Lutz EG. **JAMA** 1982 Jul 16;248(3):306

Minor tranquilizers: prescribing practices of primary physicians. Rittelmeyer LF Jr. **Psychosomatics** 1982 Jan; 23(1):23-6

[Psychopharmacology of anxiety. 1] **Agressologie** 1981 Oct; 22(C):1-53 **(Fre)**

[Anxiolytics and depression (author's transl)] Johnson FN. **Encephale** 1982;8(2):259-66 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of new anxiolytic drugs (author's transl)] Boulenger JP. **Nouv Presse Med** 1982 May 13; 11(22):1687-94 (65 ref.) (Eng. Abstr.) **(Fre)**

TRANSACTIONAL ANALYSIS

Multi-level couple therapy: applying a metacommunicational framework of couple interactions. Bernal G, et al. **Fam Process** 1980 Dec;19(4):367-76

METHODS

Long-term effects of behavioral versus insight-oriented therapy with inpatient alcoholics. Olson RP, et al. **J Consult Clin Psychol** 1981 Dec;49(6):866-77

[Applicability of the transactional analysis model of personality structure in psychiatric hospital practice (author's transl)] Winkler WT. **Nervenarzt** 1982 Jan; 53(1):18-24 **(Ger)**

TRANSALDOLASE see under **TRANSFERASES**

TRANSAMIDINASES see **AMIDINOTRANSFERASES**

TRANSAMINASES see **AMINOTRANSFERASES**

TRANSCOBALAMINS see under **BLOOD PROTEINS**

TRANSCORTIN

Structural organization of the carbohydrate moiety of human transcortin as determined by methylation analysis of the whole glycoprotein. Akhrem AA, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):177-80

Chemical deglycosylation assay by HF applied to human transcortin. Perini JM, et al. **Biochimie** 1982 May; 64(5):381-3

ANALOGS & DERIVATIVES

Metabolism of asialotranscortin by hepatocytes and cortisol binding to hepatocytes. Hossner KL, et al. **Endocr Res Commun** 1981;8(2):111-25

ANALYSIS

Estimation of transcortin concentration by measurements of plasma protein-binding of prednisolone and by electroimmunodiffusion. Frey BM, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):245-9

Immunocytochemical localization of corticosteroid-binding globulin (CBG) in guinea pig hepatocytes. Perrot-Applanat M, et al. **Endocrinology** 1981 Nov;109(5):1625-33

Transcortin: a corticosteroid-binding protein of plasma-XIV. Effects of time of equilibration of serum with cortisol on transcortin determinations by gel filtration. Rosenthal HE, et al. **J Steroid Biochem** 1982 May;16(5):639-41

Evidence of a sex related difference of transcortin level in adult ducks. Daniel JY, et al. **Steroids** 1981 Jul;38(1):29-34

[Direct determination of the cortisol content of the blood plasma by a method of concurrent binding with endogenous transcortin] Golikov PP. **Lab Delo** 1982;(5):299-301 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Vaginal administration of ethinylestradiol: effects on ovulation and hepatic transcortin synthesis. Schwartz U, et al. **Contraception** 1982 Mar;25(3):253-9

BLOOD

Diurnal rhythm of total and free concentrations of serum corticosterone in the rat. D'Agostino J, et al. **Acta Endocrinol (Copenh)** 1982 May;100(1):85-90

Progesterone-binding proteins in plasma of guinea-pigs and other hystricomorph rodents. Heap RB, et al. **J Reprod Fertil** 1981 Nov;63(2):477-89

GENETICS

Transcortin Leuven: a variant of human corticosteroid-binding globulin with decreased cortisol-binding affinity. Van Baelen H, et al. **J Biol Chem** 1982 Apr 10;257(7):3397-400

ISOLATION & PURIFICATION

Purification and characterization of human transcortin. Mueller UW, et al. **Biochem J** 1981 Sep 1;197(3):645-53

Steroid-protein interactions. Human corticosteroid-binding globulin: characterization of dimer and electrophoretic variants. Mickelson KE, et al. **Biochemistry** 1982 Feb 16; 21(4):654-60

METABOLISM

Role of thyroxine in coordinate control of corticosterone and CBG in postnatal development. D'Agostino J, et al. **Am J Physiol** 1982 Jan;242(1):E33-9

Effects of photoperiod and feeding on plasma corticosteroid concentrations and maximum corticosteroid-binding capacity in pigs. Barnett JL, et al. **Aust J Biol Sci** 1981; 34(5-6):577-85

Serum depletion of corticosteroid binding activities, an early marker of human septic shock. Savu L, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):411-9

Prednisolone binding to albumin and transcortin in the presence of cortisol. Rocci ML Jr, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):289-92

Steroid-protein interactions. Human corticosteroid binding globulin: some physicochemical properties and binding specificity. Mickelson KE, et al. **Biochemistry** 1981 Oct 13;20(21):6211-8

Modification of human transcortin by tetranitromethane. Evidence for the implication of a tyrosine residue in cortisol binding. Le Gaillard F, et al. **Biochimie** 1982 Feb; 64(2):153-8

Ontogeny and regulation of corticosteroid binding globulin capacity in plasma of fetal and newborn lambs. Ballard PL, et al. **Endocrinology** 1982 Feb;110(2):359-66

Plasma transcortin concentration in thyroidectomized chick embryos. Martin C, et al. **Experientia** 1982 Jun 15; 38(6):697-8

Endocrine changes in dasyurid marsupials with differing mortality patterns. McDonald IR, et al. **Gen Comp Endocrinol** 1981 Jul;44(3):292-301

Vitamin B-12 (cobalamin) deficiency: a heretofore undescribed control mechanism for plasma corticosteroid-binding globulin concentration in man. Doe RP, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):381-5

The influence of 21-acylation of corticosterone on its binding affinity for corticosteroid-binding globulin. Berko RM, et al. **J Steroid Biochem** 1981 Oct;14(10):1035-9

Interrelations between binding affinity and metabolic clearance rate for the main corticosteroids in the rabbit. Daniel JY, et al. **J Steroid Biochem** 1982 Mar;16(3):379-84

Immunochemical determination of corticosteroid-binding globulin in the guinea-pig during gestation. Goodman WG, et al. **J Steroid Biochem** 1981 Dec;14(12):1293-6

The significance of drug interactions with human TeBG and CBG under physiological conditions: a new approach. Pugeat MM, et al. **J Steroid Biochem** 1981 Dec;15:487-90

A corticosteroid binding protein and endogenous ligand in C. albicans indicating a possible steroid-receptor system. Loose DS, et al. **Nature** 1981 Oct 8;293(5832):477-9

[Metabolism of corticosteroid hormones and binding capacity of transcortin in myocardial infarction] Kushakov VI. **Klin Med (Mosk)** 1980 Jul;58(7):47-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cortisol resistant RPMI-1788 lymphocytes become sensitive to cortisol subsequent to a 24-h incubation period in medium containing purified human transcortin. Amaral L, et al. **Experientia** 1981;37(8):903-4

The effect of corticosteroid-binding globulin on the in vitro incorporation of thymidine into human lymphocytes. Rosner W, et al. **J Clin Endocrinol Metab** 1982 Jan; 54(1):201-3

Effect of corticosteroid binding proteins on the steroidogenic activity of bovine adrenocortical cell suspensions. Basset M, et al. **J Steroid Biochem** 1982 Jul;17(1):11-6

RADIATION EFFECTS

[Corticosterone and glucocorticoid-binding function of transcortin in single and fractionated x-ray irradiation at low doses] Dudinat TV. **Radiobiologiia** 1981 May-Jun; 21(3):413-7 (Eng. Abstr.) **(Rus)**

TRANSCRIPTASES see **RNA POLYMERASES**

TRANSCRIPTION FACTORS

Unfolding of lac repressor and its proteolytic fragment by urea: headpieces stabilize the core within lac repressor. Schnarr M, et al. **Biochemistry** 1981 Oct 13;20(21):6164-9

Stability of the lac repressor headpiece against thermal denaturation and tryptic hydrolysis. Schnarr M, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):155-62

lac Repressor headpiece constitutes a reversibly unfolding domain. Hinz HJ, et al. **FEBS Lett** 1981 Jul 6;129(2):246-8

Structure of the lambda tof repressor protein in solution. Heat stability and its relation to binding ability to DNA. Iwahashi H, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1213-21

Transcription factors from oviduct and HeLa cells are similar. Tsai SY, et al. **J Biol Chem** 1981 Dec 25; 256(24):13055-9

Neutron-scattering studies of lac repressor: a low-resolution model. Charlier M, et al. **J Mol Biol** 1981 Nov 25; 153(1):177-82

Structure of the DNA-binding region of lac repressor inferred from its homology with cro repressor. Matthews

BW, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1428–32
Structural similarity in the DNA-binding domains of catabolite gene activator and cro repressor proteins. Steitz TA, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3097–100

ANALYSIS

Transcription termination: sequence and function of the rho-independent tL3 terminator in the major leftward operon of bacteriophage lambda. Luk KC, et al. **Gene** 1982 Mar;17(3):247–58
Peptide maps of regulatory subunits of Bacillus subtilis RNA polymerase. Haldenwang WG, et al. **J Bacteriol** 1982 Sep; 151(3):1624–6
Stabilization of the hexameric form of Escherichia coli protein rho under ATP hydrolysis conditions. Finger LR, et al. **J Mol Biol** 1982 Mar 25;156(1):203–19
Identification of araC protein and two-dimensional gels, its in vivo instability and normal level. Kolodrubetz D, et al. **J Mol Biol** 1981 Jun 15;149(1):133–9
Escherichia coli lac repressor is elongated with its operator DNA binding domains located at both ends. McKay DB, et al. **J Mol Biol** 1982 Mar 25;156(1):175–83
Homology among DNA-binding proteins suggests use of a conserved super-secondary structure. Sauer RT, et al. **Nature** 1982 Jul 29;298(5873):447–51
[Structure of regulatory proteins and their interaction with DNA (author's transl)] Kyogoku Y, et al. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(6):883–96 (54 ref.) **(Jpn)**

BIOSYNTHESIS

Hyperproduction of araC protein from Escherichia coli. Schleif RF, et al. **Biochemistry** 1982 Feb 16;21(4):778–82
Construction of overproducers of the bacteriophage 434 repressor and cro proteins. Lauer G, et al. **J Mol Appl Gen** 1981;1(2):139–47
Trp aporepressor production is controlled by autogenous regulation and inefficient translation. Kelley RL, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3120–4

GENETICS

Rho mutations may unmask promoter activity in Escherichia coli K12. Colonna B, et al. **Ann Microbiol (Paris)** 1982 Jan;133A(1):87–90
Diffusion-driven mechanisms of protein translocation on nucleic acids. 2. The Escherichia coli repressor--operator interaction: equilibrium measurements. Winter RB, et al. **Biochemistry** 1981 Nov 24;20(24):6948–60
Diffusion-driven mechanisms of protein translocation on nucleic acids. 3. The Escherichia coli lac repressor--operator interaction: kinetic measurements and conclusions. Winter RB, et al. **Biochemistry** 1981 Nov 24; 20(24):6961–77
Mechanism of activation of early viral transcription by the adenovirus E1A gene product. Nevins JR. **Cell** 1981 Oct; 26(2 Pt 2):213–20
Cloning and characterization of the termination site tI for the gene int transcript in phage lambda. Luk KC, et al. **Gene** 1982 Mar;17(3):259–62
Autoregulation of the tyrR gene. Camakaris H, et al. **J Bacteriol** 1982 Apr;150(1):70–5
Isolation and characterization of an Escherichia coli mutant affected in the regulation of adenylate cyclase. Guidi-Rontani C, et al. **J Bacteriol** 1981 Dec;148(3):753–61
Relative map location of the rep and rho genes of Escherichia coli. Tessman I, et al. **J Bacteriol** 1982 Sep;151(3):1637–40
Purification of the TET repressor and TET operator from the transposon Tn10 and characterization of their interaction. Hillen W, et al. **J Biol Chem** 1982 Jun 10; 257(11):6605–13
rho Factors from polarity suppressor mutants with defects in their RNA interactions. Richardson JP, et al. **J Biol Chem** 1982 May 25;257(10):5767–71
Trp repressor protein controls its own structural gene. Bogosian G, et al. **J Mol Biol** 1981 Jul 15;149(4):821–5
Repressor cleavage as a prophage induction mechanism: hypersensitivity of a mutant lambda cI protein to recA-mediated proteolysis. Crowl RM, et al. **J Mol Biol** 1981 Nov 15;152(4):815–9
Regulation and transcription direction of exuR, a self-regulated repressor in escherichia coli K-12. Hugovieux-Cotte-Pattat N, et al. **J Mol Biol** 1982 Mar 25;156(1):221–8
Regulation of the establishment of repressor synthesis in bacteriophage lambda. Oppenheim AB, et al. **J Mol Biol** 1982 Feb 25;155(2):121–32
Control of transcription by the bacteriophage P22 repressor. Poteete AR, et al. **J Mol Biol** 1982 May 5;157(1):21–48
Is the amino acid but not the nucleotide sequence of the Escherichia coli araC gene conserved? Stoner CM, et al. **J Mol Biol** 1982 Feb 5;154(4):649–52
Preferred sites of frameshift mutagenesis in AT- and GC-rich microbial DNA. Clarke CH. **J Theor Biol** 1982 Feb 7; 94(3):519–34
The influence of DNA base ratios on intragenic mutational spectra in prokaryotes. Clarke CH. **J Theor Biol** 1982 Feb 7;94(3):671–87
Rates of growth, ribosome synthesis and elongation factor synthesis in a tufA defective strain of E. coli. Gausing K. **MGG** 1981;184(2):272–7
A fine structure map of spontaneous and induced mutations in the lambda repressor gene, including insertions of IS elements. Lieb M. **MGG** 1981;184(3):364–71
Cleavage of lambda repressor and synthesis of RecA protein induced by transferred UV-damaged F sex factor. Moreau PL, et al. **MGG** 1982;186(2):170–9
Effects of reduced amount of RNA polymerase sigma factor on gene expression and growth of Escherichia coli: studies of the rpoD450 (amber) mutation. Osawa T, et al. **MGG** 1981;184(2):166–73
Control of bacteriophage phi X 174 gene expression by the transcription termination factor rho in vitro. Patrushev LI, et al. **MGG** 1981;182(3):471–6
Kinetics of c2-repressor synthesis in a regulatory defective P22 mutant. Prell HH, et al. **MGG** 1981;184(1):147–50
Identification of the nusB gene product of Escherichia coli. Strauch M, et al. **MGG** 1981;182(3):498–501
Identification of the E. coli groNB(nusB) gene product. Swindle J, et al. **MGG** 1981;182(3):409–13
Genetical and structural analysis of a group of lambda ilv and lambda rho transducing phages. Uzan M, et al. **MGG** 1981;182(3):462–70
On the role of the Escherichia coli RNA polymerase sigma factor in T4 phage development. Zograff YN. **MGG** 1981; 183(3):557–8
Preferential cleavage of phage lambda repressor monomers by recA protease. Cohen S, et al. **Nature** 1981 Nov 12; 294(5837):132–4
lambda Repressor and cro—components of an efficient molecular switch. Johnson AD, et al. **Nature** 1981 Nov 19;294(5838):217–23 (73 ref.)
Nucleotide sequences of two Bacillus subtilis promoters used by Bacillus subtilis sigma-28 RNA polymerase. Gilman MZ, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5991–6000
Nucleotide sequence of a Bacillus subtilis promoter recognized by Bacillus subtilis RNA polymerase containing sigma 37. Moran CP Jr, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5979–90
Mechanism of action of the lexA gene product. Brent R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4204–8
Purified lexA protein is a repressor of the recA and lexA genes. Little JW, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4199–203
Sequence of galR gene indicates a common evolutionary origin of lac and gal repressor in Escherichia coli. von Wilcken-Bergmann B, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2427–31
Bacteriophage lambda containing two temperature-sensitive mutations in the cI gene produces clear plaque at 30 degrees. Nag DK, et al. **Virology** 1982 Apr 30;118(2):448–50
[Transcripts of the cell analog of the sarcoma virus src gene in mouse liver] Mett VL, et al. **Dokl Akad Nauk SSSR** 1981;261(6):1471–2 **(Rus)**
[Disturbance of the tandem promotor functioning of the Escherichia coli K-12 deo-operon in the genome of the rho15(ts) mutant for the transcription termination factor] Sukhodolets VV, et al. **Genetika (Moskva)** 1981; 17(10):1719–29 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Activation of the major drosophila heat-shock genes in vitro. Craine BL, et al. **Cell** 1981 Sep;25(3):671–81
Purification and properties of a transcriptional activator. The cII protein of phage lambda. Ho Y, et al. **J Biol Chem** 1982 Aug 10;257(15):9128–34
Transcription termination factor rho from wild type and rho-111 strains of Salmonella typhimurium. Housley PR, et al. **J Biol Chem** 1982 Mar 10;257(5):2569–77
Partial purification of a stimulatory factor of RNA polymerase B in nonhistone proteins; correlation with nuclear protein kinase. Kikuchi H, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1980 Dec;27(1–4):1–9

METABOLISM

lac Repressor: a proton magnetic resonance look at the deoxyribonucleic acid binding fragment. Arndt KT, et al. **Biochemistry** 1981 Oct 13;20(21):6109–18
Salt dependence of the kinetics of the lac repressor-operator interaction: role of nonoperator deoxyribonucleic acid in the association reaction. Barkley MD. **Biochemistry** 1981 Jun 23;20(13):3833–42
Ion effects on the lac repressor--operator equilibrium. Barkley MD, et al. **Biochemistry** 1981 Jun 23; 20(13):3842–51
Diffusion-driven mechanisms of protein translocation on nucleic acids. 1. Models and theory. Berg OG, et al. **Biochemistry** 1981 Nov 24;20(24):6929–48
Recognition of base sequences by regulatory proteins in procaryotes and eucaryotes. Hélène C. **Biosci Rep** 1981 Jun;1(6):477–83
Autoregulation of repressor synthesis in bacteriophage lambda imm434. Pastrana R. **Biosci Rep** 1982 Feb; 2(2):123–34
Species specificity of promoter recognition by RNA polymerase and its transfer by the sigma factor. Ernst H, et al. **Eur J Biochem** 1982 Jun;124(3):427–33
Inducer and anti-inducer interactions with the lac repressor seen by nuclear magnetic resonance changes at tyrosines and tryptophans. Boschelli F, et al. **J Biol Chem** 1981 Nov 25;256(22):11595–9
Interaction of Bacillus subtilis RNA polymerase core with two specificity-determining subunits. Competition between sigma and the SPO1 gene 28 protein. Chelm BK, et al. **J Biol Chem** 1982 Jun 10;257(11):6501–8
Free sigma factor of Escherichia coli RNA polymerase can bind to DNA. Kudo T, et al. **J Biol Chem** 1981 Oct 10; 256(19):9778–81
Activation of rho protein ATPase requires simultaneous interaction at two kinds of nucleic acid-binding sites. Richardson JP. **J Biol Chem** 1982 May 25;257(10):5760–6
Cleavage of the lambda and P22 repressors by recA protein. Sauer RT, et al. **J Biol Chem** 1982 Apr 25;257(8):4458–62
RecA protein-dependent proteolysis of bacteriophage lambda repressor Characterization of the reaction and stimulation by DNA-binding proteins. Weinstock GM, et al. **J Biol Chem** 1981 Nov 10;256(21):10883–8
Regulation of the genes for proline utilization in Salmonella typhimurium: autogenous repression by the putA gene product. Menzel R, et al. **J Mol Biol** 1981 May 5; 148(1):21–44
rho Mutations restore lamB expression in E. coli K12 strains with an inactive malB region. Colonna B, et al. **MGG** 1981; 184(3):479–83
Binding of four repressors to double-stranded tet operator region stabilizes it against thermal denaturation. Hillen W, et al. **Nature** 1982 Jun 24;297(5868):700–2
The molecular basis of DNA-protein recognition inferred from the structure of cro repressor. Ohlendorf DH, et al. **Nature** 1982 Aug 19;298(5876):718–23
The operator-binding domain of lambda repressor: structure and DNA recognition. Pabo CO, et al. **Nature** 1982 Jul 29;298(5873):443–7
The N-terminal arms of lambda repressor wrap around the operator DNA. Pabo CO, et al. **Nature** 1982 Jul 29; 298(5873):441–3
Lac repressor - lac operator interaction. Circular dichroism study. Culard F, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):5175–84
Equilibria and kinetics of lac repressor-operator interactions by polyacrylamide gel electrophoresis. Fried M, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6505–25
Structure of the complex between lac repressor headpiece and operator DNA from measurements of the orientation relaxation and the electric dichroism. Pörschke D, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3791–802
An interaction between gramicidin and the sigma subunit of RNA polymerase. Fisher R, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1045–8
lac repressor-lac operator interaction: NMR observations. Nick H, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):218–22
Escherichia coli single-strand DNA binding protein from wild type and lexC113 mutant affects in vitro proteolytic cleavage of phage lambda repressor. Resnick J, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2832–5
[Effect of Escherichia coli mutation affecting the RNA polymerase sigma factor on phage T4 development] Zograf IuN. **Mol Biol (Mosk)** 1982 Jan-Feb;16(1):94–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation in vitro of a heparin-resistant RNA polymerase I transcription complex. Haddox MK, et al. **Biochem J** 1981 Jul 15;198(1):207–10
Heat-stable inhibitor of translation in reticulocyte lysates. de Haro C, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3134–7

PHYSIOLOGY

The SOS regulatory system of Escherichia coli. Little JW, et al. **Cell** 1982 May;29(1):11–22 (82 ref.)
Cascades of Sigma factors. Losick R, et al. **Cell** 1981 Sep; 25(3):582–4
The time required for cro gene product to establish dominance in coliphage lambda lysogens. Mark KK. **J Gen Virol** 1982 Feb;58(Pt 2):457–60
Ribosomal RNA transcription in vitro is species specific. Grummt I, et al. **Nature** 1982 Mar 11;296(5853):173–4
Quantitative model for gene regulation by lambda phage repressor. Ackers GK, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1129–33
The role of rho in bacteriophage T4 development. I. Control of growth and polarity. Daegelen P, et al. **Virology** 1982 Feb;117(1):105–20
The role of rho in bacteriophage T4 development. II. mot-dependent (middle mode) RNA synthesis. Daegelen P, et al. **Virology** 1982 Feb;117(1):121–34

TRANSCRIPTION, GENETIC

see related
TRANSCRIPTION FACTORS

Stimulatory effect of hnRNA on template activity of isolated rat liver chromatin. Grabowska M, et al. **Acta Biochim Pol** 1981;28(2):135–46
Control of globin gene expression in mouse yolk sac erythroid cells. Fantoni A, et al. **Acta Biol Med Ger** 1981; 40(4-5):499–503
Autophagocytosis: freeze-fracture morphology, effects of vinblastine and influence of transcriptional and translational inhibitors. Kovács J, et al. **Acta Biol Med Ger** 1982; 41(1):131–5

Analytical studies of chromosomal transcription detected by an endogenous hybridization technique (EHT) using autoradiography and indirect immunofluorescence in Drosophila hydei. Alcover A, et al. **Acta Embryol Morphol Exp** 1981 Dec;2(2):131–40

Replication and expression of fragments of phage PM2 cloned in Escherichia coli K-12. Grzesiuk E, et al. **Acta Microbiol Pol** 1981;30(4):307–18

Expression of ribosomal genes in bacteria. Lindahl L, et al. **Adv Genet** 1982;21:53–121 (207 ref.)

Structure and variation of human ribosomal DNA: the external transcribed spacer and adjacent regions. Wilson GN, et al. **Am J Hum Genet** 1982 Jan;34(1):32–49

Co-isolation of in vivo 32P-labeled specific transcripts and DNA without phenol extraction or nuclease digestion. Hayes S, et al. **Anal Biochem** 1981 Sep 15;116(2):480–8

5'-Mercuri-uridine triphosphate as a substrate for transcription. Miller DW, et al. **Anal Biochem** 1982 Jun; 123(1):94–100

Antitermination of transcription by the N-gene protein of bacteriophage lambda: recent progress and remaining problems. Greenblatt J. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):225–33

Multiple RNA polymerase holoenzymes exert transcriptional specificity in Bacillus subtilis. Doi RH. **Arch Biochem Biophys** 1982 Apr 1;214(2):772–81 (60 ref.)

In vitro transcription by mouse plasmocytoma RNA polymerase II supplemented with nuclear protein fractions. Ihara S, et al. **Arch Biochem Biophys** 1982 Feb; 213(2):444–55

In vivo and in vitro synthesis of the proteins expressed by the RNA of black beetle virus. Crump WA, et al. **Arch Virol** 1981;69(2):131–9

Linked transcripts of the genes for leader and N message are synthesized in vitro by vesicular stomatitis virus. Chinchar VG, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1296–302

Amino terminal sequence of the bacteriophage T5-coded gene A2 protein. Fox JW, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):265–9

Direct evidence of transcriptional control of fibrinogen and albumin synthesis in rat liver during the acute phase response. Princen JM, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):717–23

Preparation of metaphase chromatin of Physarum polycephalum without the loss of repressed RNA synthesis. Sawada F, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):657–63

In vitro transcription of cloned yeast ribosomal DNA by yeast RNA polymerase A. Sawadogo M, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):250–7

Human histone genes are interspersed with members of the Alu family and with other transcribed sequences. Sierra F, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):785–92

The use of a heptadeoxyribonucleotide as a specific primer for prolactin mRNA: a prediction of ambiguous RNA splicing. Taylor WL, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):1071–7

Modulation of the initiation of mouse beta-globin transcription by non-histone proteins purified from mouse erythropoietic Friend cells. Triadou P, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):45–54

Inability of avian myeloblastosis virus RNA-directed DNA polymerase to transcribe poly(rU) due to instability of the oligo(dA): poly(rU) complex. Weiss GB, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):893–7

NAD+, ADP-ribosylation and transcription in permeabilized mammalian cells. Walker J, et al. **Biochem J** 1981 Dec 1;199(3):813–7

Characterization of rat liver oligonucleosomes enriched in transcriptionally active genes: evidence for altered base composition and a shortened nucleosome repeat. Berkowitz EM, et al. **Biochemistry** 1981 Dec 8;20(25):7284–90

Changes in the association between Bacillus subtilis RNA polymerase core and two specificity-determining subunits during transcription. Chelm BK, et al. **Biochemistry** 1981 Nov 10;20(23):6564–9

Transcription of the major Drosophila heat-shock genes in vitro. Craine BL, et al. **Biochemistry** 1981 Nov 10; 20(23):6584–8

Structure of transcriptionally active and inactive nucleosomes from butyrate-treated and control HeLa cells. Egan PA, et al. **Biochemistry** 1981 Jun 23;20(13):3695–702

RNA polymerase: correlation between transcript length, abortive product synthesis, and formation of a stable ternary complex. Kinsella L, et al. **Biochemistry** 1982 May 25;21(11):2719–23

Detailed analysis of the nucleosomal organization of transcribed DNA in yeast chromatin. Lohr DE. **Biochemistry** 1981 Oct 13;20(21):5966–72

Transcription of heat shock loci of Drosophila in a nuclear system. Miller DW, et al. **Biochemistry** 1981 Aug 18; 20(17):5033–42

Messenger ribonucleic acid transcripts of pea chloroplast deoxyribonucleic acid. Oishi K, et al. **Biochemistry** 1981 Sep 29;20(20):5710–7

In vitro synthesis of the respiratory NADH dehydrogenase of Escherichia coli. Role of UUG as initiation codon. Poulis MI, et al. **Biochemistry** 1981 Jul 7;20(14):4178–85

Mechanism of ribonucleic acid chain initiation. Molecular pulse-labeling study of ribonucleic acid syntheses on T7 deoxyribonucleic acid template. Shimamoto N, et al. **Biochemistry** 1981 Aug 4;20(16):4745–55

Effect of tautomeric shift on mutation: N4-methoxycytidine forms hydrogen bonds with adenosine in polymers. Spengler S, et al. **Biochemistry** 1981 Dec 8;20(25):7290–4

Effects of highly purified estrogen receptors on gene transcription in isolated nuclei. Taylor RN, et al. **Biochemistry** 1982 Apr 13;21(8):1781–7

Pausing of RNA polymerase during in vitro transcription of the tryptophan operon leader region. Winkler ME, et al. **Biochemistry** 1981 Jun 23;20(13):3738–44

Influence of the ionic environment on the in vitro transcription of the spinach plastid DNA by a selectively bound RNA-polymerase DNA complex. Blanc M, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):374–82

Comparison of in vitro chromatin transcription using E. coli RNA polymerase and wheat germ RNA polymerase B. Draper KG, et al. **Biochim Biophys Acta** 1981 Dec 28; 656(2):213–9

The small chromatin fragments released by micrococcal nuclease from hepatoma tissue cultured cell nuclei are strongly enriched in coding DNA sequences and are related to an actively transcribed single-stranded DNA fraction. Kitzis A, et al. **Biochim Biophys Acta** 1982 Apr 26; 697(1):60–70

Single-stranded DNA transcription by yeast RNA polymerase B. Nagamine Y, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):220–7

Terminal strand-switching of E. coli RNA polymerase transcribing a truncated DNA fragment. Oostra BA, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):446–8

A transcriptionally active plasmid-protein complex isolated from Escherichia coli. Wu FY, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):231–8

In vitro transcription of viroid RNA into full-length copies by RNA-dependent RNA polymerase from healthy tomato leaf tissue. Boege F, et al. **Biosci Rep** 1982 Mar;2(3):185–94

Transcriptional control during development. Paul J. **Biosci Rep** 1982 Feb;2(2):63–76 (94 ref.)

Evidence for the transcription os physiologically inactive rat-liver nucleolar chromatin by Escherichia coli RNA polymerase. Yu FL, et al. **Biosci Rep** 1982 Mar;2(3):155–61

Specific small nuclear RNAs from SV40-transformed cells stimulate transcription initiation in nontransformed isolated nuclei. Ringuette MJ, et al. **Can J Biochem** 1982 Mar; 60(3):252–62

Expression of prostatic acid phosphatase in human prostate cancer. Loor R, et al. **Cancer Lett** 1981 Oct;14(1):63–9

Elevated transcriptional complexity and decrease in enzymatic DNA methylation in cells treated with L-ethionine. Boehm TL, et al. **Cancer Res** 1981 Oct; 41(10):4101–6

Correlation of hnRNP structure and nascent transcript cleavage. Beyer AL, et al. **Cell** 1981 Oct;26(2 Pt 2):155–65

Stable transcription complexes of Xenopus 5S RNA genes: a means to maintain the differentiated state. Bogenhagen DF, et al. **Cell** 1982 Feb;28(2):413–21

Transcription and accurate polyadenylation in vitro of RNA from the major late adenovirus 2 transcription unit. Chen-Kiang S, et al. **Cell** 1982 Mar;28(3):575–84

A somatomedin-like peptide hormone is required during the estrogen-mediated induction of ovalbumin gene transcription. Evans MI, et al. **Cell** 1981 Jul;25(1):187–93

A topological model for transcription based on unwinding angle analysis of E. coli RNA polymerase binary, initiation and ternary complexes. Gamper HB, et al. **Cell** 1982 May; 29(1):81–90

Localization of DNA sequences necessary for transcription of the rabbit beta-globin gene in vitro. Grosveld GC, et al. **Cell** 1981 Jul;25(1):215–26

Transcription initiation of eucaryotic transfer RNA genes. Hall BD, et al. **Cell** 1982 May;29(1):3–5 (20 ref.)

Attenuation in the control of SV40 gene expression. Hay N, et al. **Cell** 1982 May;29(1):183–93

Influenza virus, an RNA virus, synthesizes its messenger RNA in the nucleus of infected cells. Herz C, et al. **Cell** 1981 Nov;26(3 Pt 1):391–400

Developmental regulation of Drosophila alpha-tubulin genes. Kalfayan L, et al. **Cell** 1982 May;29(1):91–8

Structure of the active nucleolar chromatin of Xenopus laevis Oocytes. Labhart P, et al. **Cell** 1982 Feb;28(2):279–92

Location of the tufB promoter of E. coli: cotranscription of tufB with four transfer RNA genes. Lee JS, et al. **Cell** 1981 Jul;25(1):251–8

Analysis of transcriptional regulatory signals of the HSV thymidine kinase gene: identification of an upstream control region. McKnight SL, et al. **Cell** 1981 Aug;25(2):385–98

DNAase I sensitivity and methylation of active versus inactive rRNA genes in xenopus species hybrids. Macleod D, et al. **Cell** 1982 May;29(1):211–8

Identification of DNA sequences required for transcription of the human alpha 1-globin gene in a new SV40 host-vector system. Mellon P, et al. **Cell** 1981 Dec;27(2 Pt 1):279–88

Transcription of mouse rRNA genes by RNA polymerase I: in vitro and in vivo initiation and processing sites. Miller KG, et al. **Cell** 1981 Nov;27(1 Pt 2):165–74

Transcription of a gene for human U1 small nuclear RNA. Murphy JT, et al. **Cell** 1982 May;29(1):265–74

SV40 gene expression is modulated by the cooperative binding of T antigen to DNA. Myers RM, et al. **Cell** 1981 Aug;25(2):373–84

Adenovirus gene expression: control at multiple steps of mRNA biogenesis. Nevins JR. **Cell** 1982 Jan;28(1):1–2

The TATA homology and the mRNA 5' untranslated sequence are not required for expression of essential adenovirus E1A functions. Osborne TF, et al. **Cell** 1982 May;29(1):139–48

The tyrT locus: termination and processing of a complex transcript. Rossi J, et al. **Cell** 1981 Nov;26(3 Pt 1):305–14

RNA polymerase B in polytene chromosomes: immunofluorescent and autoradiographic analysis during stimulated and repressed RNA synthesis. Sass H. **Cell** 1982 Feb;28(2):269–78

Faithful transcription initiation of fibroin gene in a homologous cell-free system reveals an enhancing effect of 5' flanking sequence far upstream. Tsuda M, et al. **Cell** 1981 Nov;27(1 Pt 2):175–82

Distinctive nucleotide sequences adjacent to multiple initiation and termination sites of an early vaccinia virus gene. Venkatesan S, et al. **Cell** 1981 Sep;25(3):805–13

DNA sequence required for efficient transcription termination in yeast. Zaret KS, et al. **Cell** 1982 Mar; 28(3):563–73

Nuclease-sensitivity of prostatic binding protein gene sequences in rat ventral prostate. Hiremath ST, et al. **Cell Biol Int Rep** 1982 Mar;6(3):279–85

Relative base composition of initiation sites for transcription in developing frog embryos. Flickinger RA. **Cell Differ** 1982 Apr;11(2):63–9

RNA polymerase II transcribes all of the heat shock induced genes of Drosophila melanogaster. Bonner JJ, et al. **Chromosoma** 1982;85(1):93–108

An electron microscopic analysis of transcription of nucleolar chromatin isolated from Tetrahymena pyriformis. Borkhardt B, et al. **Chromosoma** 1981;84(1):131–43

Study of salivary gland specific transcripts in Chironomus tentans by cDNA analysis. Büchner-Vollmers A, et al. **Chromosoma** 1981;83(3):315–25

Position-effect variegation and chromosome structure of a heat shock puff in Drosophila. Henikoff S. **Chromosoma** 1981;83(3):381–93

RNA and macronuclear transcription in the ciliate Stylonychia mytilus. Nock A. **Chromosoma** 1981; 83(2):209–20

Macronuclear chromatin organization in Paramecium primaurelia. Samuel C, et al. **Chromosoma** 1981; 83(4):481–92

Autoregulatory control of the expression of alpha- and beta-tubulins: implications for microtubule assembly. Cleveland D, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):171–83

Activation of gene expression by IS2 and IS3. Glansdorff N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:153–6

Drosophilia alpha-tubulin genes and their transcription patterns. Kalfayan L, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):185–90

Effects of chromatin protein fractions on transcriptional activity of chicken thrombocyte and erythrocyte chromatin. Krajewska WM, et al. **Comp Biochem Physiol [B]** 1982;71B(1):145–8

Priming of influenza viral RNA transcription by capped heterologous RNAs. Krug RM. **Curr Top Microbiol Immunol** 1981;93:125–49 (73 ref.)

Transcriptional control regions: nucleotide sequence requirements for initiation by RNA polymerase II and III. Shenk T. **Curr Top Microbiol Immunol** 1981;93:25–46 (162 ref.)

Regulation of viral transcription and DNA replication by the SV40 large T antigen. Tjian R. **Curr Top Microbiol Immunol** 1981;93:5–24 (114 ref.)

The role of transcription-dependent priming in nerve growth factor promoted neurite outgrowth. Greene LA, et al. **Dev Biol** 1982 Jun;91(2):305–16

Developmentally regulated transcription from Drosophila melanogaster chromosomal site 67B. Sirotkin K, et al. **Dev Biol** 1982 Jan;89(1):196–210

Actin gene expression during embryogenesis of Drosophila melanogaster. Sodja A, et al. **Dev Biol** 1982 Apr;90(2):363–8

Molecular cloning and characterization of Drosophila genes and their expression during embryonic development and in primary muscle cell cultures. Storti RV, et al. **Dev Biol** 1982 Apr;90(2):272–83

Restriction map of poliovirus type 2 cDNA. Kopecka H, et al. **Dev Biol Stand** 1981;50:301–9

The eucaryotic cell-lipochromosome as a new host-vector system in gene amplification and expression. Miller AC, et al. **Dev Biol Stand** 1981;50:287–92

Structure and expression of the hepatitis B virus genome. Wain-Hobson S, et al. **Dev Biol Stand** 1981;50:293–300

Patterns of transcriptional activity of nucleolar genes during progesterone-induced maturation of oocytes of Xenopus laevis. Williams MA, et al. **Differentiation** 1981;20(1):36–44

Glucocorticoid receptors and the cell cycle: evidence that the accumulation of glucocorticoid receptors during the S phase of the cell cycle is dependent on ribonucleic acid and protein synthesis. Cidlowski JA, et al. **Endocrinology** 1982 May;110(5):1653–62

Correlation between prolactin-receptor interaction, down-regulation of receptors, and stimulation of casein and deoxyribonucleic acid biosynthesis in rabbit mammary gland explants. Djiane J, et al. **Endocrinology** 1982 Mar; 110(3):791–5

Ontogeny of growth hormone and prolactin gene expression in mice. Slabaugh MB, et al. **Endocrinology** 1982 May; 110(5):1489–97

Identification of transcription initiation sites for bacterial RNA polymerase and eukaryotic RNA polymerase B on the 5' end of the mouse beta-Globin gene. Crepin M, et al. **Eur J Biochem** 1981 Aug;118(2):371–7

The role of the components sigma and y of the DNA-dependent RNA polymerase of Lactobacillus curvatus in promotor selection. Gierl A, et al. **Eur J Biochem** 1982 Jun 15;125(1):41–7

Transcription of the cloned genes for ribosomal 5-S RNA in a system reconstituted in vitro from HeLa cells. Gruissem W, et al. **Eur J Biochem** 1981 Jul;117(2):407–15

Cloning of Xenopus laevis nuclear poly(A)-rich RNA sequences. Evidence for post-transcriptional control. Knöchel W, et al. **Eur J Biochem** 1982 Feb;122(1):11–6

Expression of the mRNA coding for glyceraldehyde-3-phosphate dehydrogenase. MacLeod AR. **Eur J Biochem** 1981 Oct;119(2):353–8

Adeno-associated virus RNA transcription in vivo. Marcus CJ, et al. **Eur J Biochem** 1981 Dec;121(1):147–54

R-loop mapping of calf-thymus RNA polymerase II. Transcripts in vitro on restriction fragments of adenovirus 2 DNA. Spindler E, et al. **Eur J Biochem** 1982 Jan; 121(2):289–94

Ultrastructural visualization of nucleolar organizer activity during early germination of Zea mays L. Fakan S, et al. **Exp Cell Res** 1981 Oct;135(2):277–82

Inverse relationship between transcriptional activity and 5-methylcytosine content of DNA in polytene chromosomes of sciara coprophila. Wei LH, et al. **Exp Cell Res** 1981 Oct;135(2):411–5

Cell repair after liver injury. Stimulation of RNA synthesis, engaged polymerases, number of RNA transcribing molecules, and elongation rate in postischemic liver nuclei. Cairo G, et al. **Exp Mol Pathol** 1981 Oct;35(2):231–43

The identity of interferon-beta 1 mRNA transcripts in human fibroblasts and Namalva cells. Gross G, et al. **FEBS Lett** 1982 Mar 22;139(2):201–4

Leftward transcription in the Escherichia coli bio operon does not require products of the rightward transcript. Kotval J, et al. **Gene** 1982 Feb;17(2):219–22

Comparative studies of the effect of DNA superhelicity on in vitro transcription catalyzed by Escherichia coli S100 proteins and purified RNA polymerase. Kuroki K, et al. **Gene** 1982 Feb;17(2):179–87

Transcription of X-chromosomal segmental aneuploids of Drosophila melanogaster and regulation of dosage compensation. Prasad J, et al. **Genet Res** 1981 Oct; 38(2):103–13

RNA synthesis and processing reactions in a subcellular system from mouse L cells. Schäfer KP. **Hoppe Seylers Z Physiol Chem** 1982 Jan;363(1):33–43

Organization and expression of murine immunoglobulin genes. Adams JM, et al. **Immunol Rev** 1981;59:5–32 (71 ref.)

Artificial modification of nuclear gene activity. Gregory SP, et al. **Int J Biochem** 1981;13(10):1047–63 (195 ref.)

Transcription of Regions within the divergent argECBH operon of Escherichia coli: evidence for lack of an attenuation mechanism. Beny G, et al. **J Bacteriol** 1982 Jul;151(1):58–61

Cloning and endonuclease restriction analysis of uidA and uidR genes in Escherichia coli K-12: determination of transcription direction for the uidA gene. Blanco C, et al. **J Bacteriol** 1982 Feb;149(2):587–94

Transcription in bacteria at different DNA concentrations. Churchward G, et al. **J Bacteriol** 1982 May;150(2):572–81

Transcription initiation at the tryptophanase promoter of Escherichia coli K-12. Deeley MC, et al. **J Bacteriol** 1982 Aug;151(2):942–51

An amber mutation in a ribosomal protein gene: ineffective suppression stimulates operon-specific transcription. Delcuve G, et al. **J Bacteriol** 1981 Sep;147(3):997–1001

Escherichia coli mutants in which transcription is dependent on recA function. Froehlich B, et al. **J Bacteriol** 1981 Sep; 147(3):1117–20

Effects of glnL and other regulatory loci on regulation of transcription of glnA-lacZ fusions in Klebsiella aerogenes. Goldie H, et al. **J Bacteriol** 1982 Apr;150(1):231–8

Regulation of phenylalanine biosynthesis in Escherichia coli K-12: control of transcription of the pheA operon. Gowrishankar J, et al. **J Bacteriol** 1982 Jun;150(3):1130–7

Determination of the transcription direction of the exuT gene in Escherichia coli K-12: divergent transcription of the exuT-uxaCA operons. Hugouvieux-Cotte-Pattat N, et al. **J Bacteriol** 1982 Jul;151(1):480–4

Fusions of flagellar operons to lactose genes on a mu lac bacteriophage. Komeda Y. **J Bacteriol** 1982 Apr; 150(1):16–26

Regulation of purE transcription in a purE::lac fusion strain of Escherichia coli. Levine RA, et al. **J Bacteriol** 1982 Mar;149(3):1041–9

Transcriptional inhibition and production of guanosine polyphosphates in Bacillus subtilis. Price VL, et al. **J Bacteriol** 1981 Sep;147(3):752–6

Use of in vitro gene fusions to study the uxuR regulatory gene in Escherichia coli K-12: direction of transcription and regulation of its expression. Ritzenthaler P, et al. **J Bacteriol** 1982 Jun;150(3):1040–7

RNA polymerase of Myxococcus xanthus: purification and selective transcription in vitro with bacteriophage templates. Rudd KE, et al. **J Bacteriol** 1982 Jul; 151(1):89–105

Comparison of transcription of beta-lactamase genes specified by various ampicillin transposons. Yamamoto T, et al. **J Bacteriol** 1982 Apr;150(1):269–76

Isolation of active transcription complexes from animal cell nuclei by nitrocellulose binding. Karagyozov LK, et al. **J Biochem Biophys Methods** 1982 Feb;5(6):329–39

Transcription of globin genes in murine erythroleukemic cell chromatin by RNA polymerase II from mouse cells. Nose K, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):103–11

Transcriptional activity of globin genes in uninducible variants of Friend leukemic cells. Nose K, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1711–9

The mechanism of preferential synthesis of poly[r(purine)] in the transcription of poly[d(purine)] . poly[d(pyrimidine)] by T. thermophilus RNA polymerase. Tsuji S, et al. **J Biochem (Tokyo)** 1981 May;89(5):1501–11

Expression and methylation of the mouse alpha-fetoprotein gene in embryonic, adult, and neoplastic tissues. Andrews GK, et al. **J Biol Chem** 1982 May 10;257(9):5148–53

On the chromatin structure of the amplified, transcriptionally active gene for dihydrofolate reductase in mouse cells. Barsoum J, et al. **J Biol Chem** 1982 May 10;257(9):5274–82

Nucleic binding affinity of bacteriophage T4 gene 32 protein in the cooperative binding mode. Bobst AM, et al. **J Biol Chem** 1982 Jun 10;257(11):6184–93

Transcriptional initiation and processing of the small ribosomal RNA of yeast mitochondria. Christianson T, et al. **J Biol Chem** 1982 Jun 10;257(11):6494–500

Assembly of the mitochondrial membrane system. Analysis of the nucleotide sequence and transcripts in the oxi1 region of yeast mitochondrial DNA. Coruzzi G, et al. **J Biol Chem** 1981 Dec 25;256(24):12780–7

In vitro system for middle T4 RNA. II. Studies with T4-modified RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4097–101

In vitro system for middle T4 RNA. I. Studies with Escherichia coli RNA polymerase. de Franciscis V, et al. **J Biol Chem** 1982 Apr 25;257(8):4087–96

Identification of regulatory sequences contained in the 5'-flanking region of Drosophila lysine tRNA2 genes. DeFranco D, et al. **J Biol Chem** 1981 Dec 10; 256(23):12424–9

Characterization of transcripts from the Var1 region on mitochondrial DNA of Saccharomyces cerevisiae. Farrelly F, et al. **J Biol Chem** 1982 Jun 10;257(11):6581–7

Alterations of transcription during heat shock of Saccharomyces cerevisiae. Finkelstein DB, et al. **J Biol Chem** 1982 Jul 25;257(14):8405–11

In vitro transcription of the histidine operon. Identification of the his promoter and leader and readthrough transcripts. Freedman R, et al. **J Biol Chem** 1981 Nov 10; 256(21):10747–50

Initiation, pausing, and termination of transcription in the threonine operon regulatory region of Escherichia coli. Gardner JF. **J Biol Chem** 1982 Apr 10;257(7):3896–904

Cloning of DNA complementary to rat liver NADPH-cytochrome c (P-450) oxidoreductase and cytochrome P-450b mRNAs. Evidence that phenobarbital augments transcription of specific genes. Gonzalez FJ, et al. **J Biol Chem** 1982 May 25;257(10):5962–8

Properties of the N gene transcription antitermination protein of bacteriophage lambda. Greenblatt J, et al. **J Biol Chem** 1982 Jan 10;257(1):362–5

Transcription of 5 S RNA genes in vitro is feedback-inhibited by HeLa 5 S RNA. Gruissem W, et al. **J Biol Chem** 1982 Feb 10;257(3):1468–72

Complex hormonal regulation of rat casein gene expression. Hobbs AA, et al. **J Biol Chem** 1982 Apr 10;257(7):3598–605

Studies of in vitro transcription by calf thymus RNA polymerase II using a novel duplex DNA template. Kadesch TR, et al. **J Biol Chem** 1982 May 10; 257(9):5286–95

Rat glutathione S-transferase. Cloning of double-stranded cDNA and induction of its mRNA. Kalinyak JE, et al. **J Biol Chem** 1982 Jan 10;257(1):523–30

Bacteriophage SP6-specific RNA polymerase. II. Mapping of SP6 DNA and selective in vitro transcription. Kassavetis GA, et al. **J Biol Chem** 1982 May 25;257(10):5779–88

Specific transcription of homologous class III genes in yeast-soluble cell-free extracts. Klekamp MS, et al. **J Biol Chem** 1982 Jul 25;257(14):8432–41

Synthesis and maturation of Xenopus laevis methionine tRNA gene transcripts in homologous cell-free extracts. Koski RA, et al. **J Biol Chem** 1982 Apr 25;257(8):4514–21

Correlation between RNA synthesis and basal level guanosine 5'-diphosphate 3'-diphosphate in relaxed mutants of Escherichia coli. Lagosky PA, et al. **J Biol Chem** 1981 Nov 25;256(22):11651–6

Transcriptional properties of chick embryonic erythroid nuclei in vitro. Landes GM, et al. **J Biol Chem** 1982 Sep 25;257(18):11002–7

Molecular interaction between simian virus 40 DNA and Escherichia coli RNA polymerase. Mapping of the initiation sites on supercoiled and linear DNA. Lavialle C, et al. **J Biol Chem** 1982 Feb 10;257(3):1549–57

In vitro transcription of the yeast alcohol dehydrogenase I gene by homologous RNA polymerase B (II). Selective initiation and discontinuous elongation on a supercoiled template. Lescure B, et al. **J Biol Chem** 1981 Nov 10; 256(21):11018–24

Accurate in vitro transcriptional initiation of the chick alpha 2 (Type I) collagen gene. Merlino GT, et al. **J Biol Chem** 1981 Nov 10;256(21):11251–8

Transcription of the chicken alpha 2 (Type I) collagen gene by homologous cell-free extracts. Merlino GT, et al. **J Biol Chem** 1982 Jun 25;257(12):7254–61

A mutation in the tRNAAsp gene from yeast mitochondria. Effects on RNA and protein synthesis. Miller DL, et al. **J Biol Chem** 1981 Oct 10;256(19):9774–7

The molecular characterization of three transcriptional mutations in the yeast iso-2-cytochrome c gene. Montgomery DL, et al. **J Biol Chem** 1982 Jul 10; 257(13):7756–61

Nucleotide sequences of transcription and translation initiation regions in Bacillus phage phi 29 early genes. Murray CL, et al. **J Biol Chem** 1982 Jan 25;257(2):1053–62

In vitro transcription of the supB-E tRNA operon of Escherichia coli. Characterization of transcription products. Nakajima N, et al. **J Biol Chem** 1982 Sep 25; 257(18):11113–20

Modifications in alpha 2u globulin gene structure, transcription, and mRNA translation in hepatomas. Nakhasi HL, et al. **J Biol Chem** 1982 Mar 25;257(6):2726–9

Structure of the Tetrahymena pyriformis rRNA gene. Nucleotide sequence of the transcription initiation region. Niles EG, et al. **J Biol Chem** 1981 Dec 25;256(24):12849–56

Structure of the Tetrahymena pyriformis rRNA gene. Nucleotide sequence of the transcription termination region. Niles EG, et al. **J Biol Chem** 1981 Dec 25; 256(24):12857–60

Euglena gracilis chloroplast transfer RNA transcription units. I. Physical map of the transfer RNA gene loci. Orozco EM Jr, et al. **J Biol Chem** 1982 Mar 25;257(6):3258–64

Euglena gracilis chloroplast transfer RNA transcription units. II. Nucleotide sequence analysis of a tRNAVal-tRNAAsn-tRNAArg-tRNALeu gene cluster. Orozco EM Jr, et al. **J Biol Chem** 1982 Mar 25; 257(6):3265–75

Molecular mechanism of promoter selection in gene transcription. II. Kinetic evidence for promoter search by a one-dimensional diffusion of RNA polymerase molecule along the DNA template. Park CS, et al. **J Biol Chem** 1982 Jun 25;257(12):6950–6

Molecular mechanism of promoter selection in gene transcription. I. Development of a rapid mixing-photocrosslinking technique to study the kinetics of Escherichia coli RNA polymerase binding to T7 DNA. Park CS, et al. **J Biol Chem** 1982 Jun 25;257(12):6944–9

Rat alpha 1-acid glycoprotein mRNA. Cloning of double-stranded cDNA and kinetics of induction of mRNA levels following acute inflammation. Ricca GA, et al. **J Biol Chem** 1981 Oct 25;256(20):10362–8

Mouse glandular kallikrein genes. Nucleotide sequence of cloned cDNA coding for a member of the kallikrein arginyl esteropeptidase group of serine proteases. Richards RI, et al. **J Biol Chem** 1982 Mar 25;257(6):2758–61

In vitro transcription of vesicular stomatitis virus. Incorporation of deoxyguanosine and deoxycytidine, and formation of deoxyguanosine caps. Schubert M, et al. **J Biol Chem** 1982 Mar 25;257(6):2968–73

Evidence that stimulatory factor(s) of RNA polymerase II participates in accurate transcription in a HeLa cell lysate. Sekimizu K, et al. **J Biol Chem** 1982 Mar 25;257(6):2719–21

A unique class of compound, guanosine-nucleoside tetraphosphate G(5')pppp(5')N, synthesized during the in vitro transcription of cytoplasmic polyhedrosis virus of Bombyx mori. Structural determination and mechanism of formation. Smith RE, et al. **J Biol Chem** 1982 Jan 10; 257(1):485–94

Molecular cloning of complementary DNA to swine pepsinogen mRNA. Sogawa K, et al. **J Biol Chem** 1981 Dec 10;256(23):12561–5

Somatic cell hybridization of growth hormone-producing rat pituitary cells and mouse fibroblasts results in extinction of growth hormone expression via a defect in growth hormone RNA production. Strobl JS, et al. **J Biol Chem** 1982 Jun 10;257(11):6588–94

Genome-length copies of poliovirion RNA are synthesized in vitro by the poliovirus RNA-dependent RNA polymerase. Van Dyke TA, et al. **J Biol Chem** 1982 Apr 25;257(8):4610–7

The chicken beta globin gene region. Delineation of transcription units and developmental regulation of interspersed DNA repeats. Villeponteau B, et al. **J Biol Chem** 1982 Sep 25;257(18):11015–23

Utilization of primers and primer-templates by wheat germ RNA polymerase II. Yarbrough LR. **J Biol Chem** 1982 Jun 10;257(11):6171–7

Point mutagenesis of the ovalbumin gene promoter sequence and its effect on in vitro transcription. Zarucki-Schulz T, et al. **J Biol Chem** 1982 Sep 25;257(18):11070–7

Transcription and precursor processing of normal and mutant human tRNAiMet genes in a homologous cell-free system. Zasloff M, et al. **J Biol Chem** 1982 Jul 10;257(13):7857–63

In vitro transcription of cloned 5S RNA genes of the newt Notophthalmus. Kay BK, et al. **J Cell Biol** 1981 Aug; 90(2):323–31

The nucleolus, chromosomes, and visualization of genetic activity. Miller OL Jr. **J Cell Biol** 1981 Dec;91(3 Pt 2):15s–27s (193 ref.)

The synthesis of protein(s) for chromosome condensation

may be regulated by a post-transcriptional mechanism. Nishimoto T, et al. **J Cell Physiol** 1981 Nov;109(2):299–308
RNA synthesis in immature mouse oocyte development. Fourcroy JL. **J Exp Zool** 1982 Feb 1;219(2):257–66
Pattern of RNA transcription during Bacillus subtilis spore outgrowth. Albertini AM, et al. **J Gen Microbiol** 1982 Feb; 128(Pt 2):247–53
Temporal studies of factors associated with changes in transcription during Q fever. Paretsky D, et al. **J Gen Microbiol** 1981 Feb;122(Pt 2):227–33
Characterization of adenovirus type 2 high molecular weight nuclear transcripts. Bachenheimer SL. **J Gen Virol** 1981 Jul;55(Pt 1):139–53
Transcription of the human cytomegalovirus genome in productively infected cells. Chua CC, et al. **J Gen Virol** 1981 Sep;56(Pt 1):1–11
Cell-free coupling of Newcastle disease virus RNA transcription, translation and Co-translational processing. Content J, et al. **J Gen Virol** 1982 May;60(Pt 1):77–85
Transcription and translation of the herpes simplex virus type 1 thymidine kinase gene after microinjection into Xenopus laevis oocytes. Cordingley MG, et al. **J Gen Virol** 1981 Jun;54(Pt 2):409–14
Further characterization of virus-like 30S (VL30) RNA of mice: initiation of reverse transcription and intracellular synthesis. Dolberg D, et al. **J Gen Virol** 1981 Jun;54(Pt 2):281–91
The metabolic fate of independently initiated VSV mRNA transcripts. Lazzarini RA, et al. **J Gen Virol** 1982 Feb;58(Pt 2):429–41
Integrated shope virus DNA is present and transcribed in the transplantable rabbit tumour Vx-7. McVay P, et al. **J Gen Virol** 1982 Jun;60(Pt 2):271–8
Synthesis of prematurely terminated late transcripts of polyoma virus DNA is resistant to inhibition by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Montandon PE, et al. **J Gen Virol** 1982 Apr;59(Pt 2):367–76
Use of a lac promoter-operator fragment as a transcriptional control switch for expression of the constitutive lpp gene in Escherichia coli. Nakamura K, et al. **J Mol Appl Gen** 1982;1(4):289–99
The organization, structure, and in vitro transcription of Alu family RNA polymerase III transcription units in the human alpha-like globin gene cluster: precipitation of in vitro transcripts by lupus anti-La antibodies. Shen CK, et al. **J Mol Appl Gen** 1982;1(4):343–60
Visualization of the major late R strand transcription unit of adenovirus serotype 2. Beyer AL, et al. **J Mol Biol** 1981 Apr 5;147(2):269–95
Antibodies of RNA polymerase II (B) inhibit transcription in Lampbrush chromosomes after microinjection into living amphibian oocytes. Bona M, et al. **J Mol Biol** 1981 Sep 5;151(1):81–99
Zein storage protein gene family of maize. An assessment of heterogeneity with cloned messenger RNA sequences. Burr B, et al. **J Mol Biol** 1982 Jan 5;154(1):33–49
The gol site: a cis-acting bacteriophage T4 regulatory region that can affect expression of all the T4 late genes. Champness WC, et al. **J Mol Biol** 1982 Mar 15; 155(4):395–407
Poly(A) sites of adenovirus serotype 2 transcription units. Fraser NW, et al. **J Mol Biol** 1982 Mar 5;155(3):207–33
Physical evidence for early transcription in intracellular bacteriophage P2 DNA. Funnell BE, et al. **J Mol Biol** 1982 Jan 5;154(1):85–101
Specificity determinants for bacteriophage lambda DNA replication. III. Activation of replication in lambda ric mutants by transcription outside of ori. Furth ME, et al. **J Mol Biol** 1982 Jan 5;154(1):65–83
Tobacco mosaic virus induces the synthesis of a family of 3' coterminal messenger RNAs and their complements. Goelet P, et al. **J Mol Biol** 1982 Jan 25;154(3):541–50
Mapping of transcription units in the bacteriophage T4 tRNA gene cluster. Goldfarb A, et al. **J Mol Biol** 1981 Mar 15; 146(4):393–412
Integration and transcription of group C human adenovirus sequences in the DNA of five lines of transformed rat cells. Green M, et al. **J Mol Biol** 1981 Sep 25;151(3):337–66
Transcript maps of Drosophila yolk protein genes. Hung MC, et al. **J Mol Biol** 1982 Feb 5;154(4):581–602
Drosophila melanogaster ribosomal DNA containing type II insertions is variably transcribed in different strains and tissues. Kidd SJ, et al. **J Mol Biol** 1981 Oct 5;151(4):645–62
Transcriptional mapping of plasmid pKK3535. Quantitation of the effect of guanosine tetraphosphate on binding to the rrnB promoters and a lambda promoter with sequence homologies in the CII binding region. Kingston RE, et al. **J Mol Biol** 1981 Mar 15;146(4):433–49
Mitochondrial DNA in Drosophila. An analysis of genome organization and transcription in Drosophila melanogaster and Drosophila virilis. Merten SH, et al. **J Mol Biol** 1981 Nov 25;153(1):1–21
Control of transcription by the bacteriophage P22 repressor. Poteete AR, et al. **J Mol Biol** 1982 May 5;157(1):21–48
Processing of bacteriophage T4 transfer RNAs. Structural analysis and in vitro processing of precursors that accumulate in RNase E-strains. Pragai B, et al. **J Mol Biol** 1982 Jan 25;154(3):465–84
The organization and transcription of the galactose gene cluster of Saccharomyces. St John TP, et al. **J Mol Biol** 1981 Oct 25;152(2):285–315
Deletion analysis of the Saccharomyces GAL gene cluster. Transcription from three promoters. St John TP, et al. **J Mol Biol** 1981 Oct 25;152(2):317–34
Analysis of transcripts from two families of nomadic DNA. Schwartz HE, et al. **J Mol Biol** 1982 May 5;157(1):49–68
Transcription in vitro of the bacteriophage P22 antirepressor gene. Susskind MM, et al. **J Mol Biol** 1982 Jan 25; 154(3):427–47
Control of leu operon expression in Escherichia coli by a transcription attenuation mechanism. Wessler SR, et al. **J Mol Biol** 1981 Jul 15;149(4):579–97
Visualization of nascent RNA transcripts and simultaneous transcription and replication in viral nucleoprotein complexes from adenovirus 2-infected HeLa cells. Wolgemuth DJ, et al. **J Mol Biol** 1981 Apr 5;147(2):247–68
Two species of chromatin-RNA polymerase II complex released from rat liver nuclei by nuclease digestion. Yukioka M, et al. **J Mol Biol** 1982 Mar 15;155(4):429–46
Transcriptional map of bacteriophage N4. Location and polarity of N4 RNAs. Zivin R, et al. **J Mol Biol** 1981 Oct 25;152(2):335–56
Estrogen receptors as mediators of gene transcription. Smith RG, et al. **J Steroid Biochem** 1981 Dec;15:321–8
Theory of regulation by the attenuation mechanism: stochastic model for the attenuation fo the Escherichia coli tryptophan operon. Manabe T. **J Theor Biol** 1981 Aug 21; 91(4):527–44
The formation of nucleolar perichromatin granules. Puvion E, et al. **J Ultrastruct Res** 1981 Aug;76(2):181–91
Evidence for simian virus 40 late transcriptional control: mixed infections of wild-type simian virus 40 and a late leader deletion mutant exhibit trans effects on late viral RNA syrithesis. Alwine JC. **J Virol** 1982 Jun;42(3):798–803
Bovine papilloma virus transcription: polyadenylated RNA species and assessment of the direction of transcription. Amtmann E, et al. **J Virol** 1982 Jul;43(1):59–66
In vitro and in vivo inhibition of primary transcription of vesicular stomatitis virus by a defective interfering particle. Bay PH, et al. **J Virol** 1982 Jan;41(1):172–82
Identification of promoter-proximal oligonucleotides and a unique dinucleotide, pppGpC, from in vitro transcription products of vesicular stomatitis virus. Chanda PK, et al. **J Virol** 1981 Jul;39(1):93–103
Extension of the transcriptional and translational map of the left end of the vaccinia virus genome to 21 kilobase pairs. Cooper JA, et al. **J Virol** 1981 Sep;39(3):733–45
In vitro transcription of adenovirus. Fire A, et al. **J Virol** 1981 Dec;40(3):703–19
Limited transcription of the herpes simplex virus genome when latent in human sensory ganglia. Galloway DA, et al. **J Virol** 1982 Feb;41(2):686–91
Simian virus 40 early mRNA's contain multiple 5' termini upstream and downstream from a Hogness-Goldberg sequence; a shift in 5' termini during the lytic cycle is mediated by large T antigen. Ghosh PK, et al. **J Virol** 1981 Oct;40(1):224–40
SP01 gene 27 is required for viral late transcription. Greene JR, et al. **J Virol** 1982 Feb;41(2):715–20
Transcriptional regulation of bacteriophage SPO1 protein synthesis in vivo and in vitro. Heintz N, et al. **J Virol** 1982 Jun;42(3):951–62
Site-specific phosphorylation regulates the transcriptive activity of vesicular stomatitis virus NS protein. Hsu CH, et al. **J Virol** 1982 Jul;43(1):104–12
Use of a hybrid infectivity assay to analyze primary transcription of temperature-sensitive mutants of the New Jersey serotype of vesicular stomatitis virus. Isle HD, et al. **J Virol** 1982 Jul;43(1):37–40
Bacteriophage T4 alc gene product: general inhibitor of transcription from cytosine-containing DNA. Kutter EM, et al. **J Virol** 1981 Dec;40(3):822–9
Initiation and regulation of simian virus 40 early transcription in vitro. Lebowitz P, et al. **J Virol** 1982 Feb;41(2):449–61
Regulation of herpesvirus macromolecular synthesis: temporal order of transcription of alpha genes is not dependent on the stringency of inhibition of protein synthesis. Mackem S, et al. **J Virol** 1981 Oct;40(1):319–22
Identification and characterization of a group of discrete initiated oligonucleotides transcribed in vitro from the 3' terminus of the N-gene of vesicular stomatitis virus. Pinney DF, et al. **J Virol** 1982 Jun;42(3):889–96
In vitro transcription of vesicular stomatitis virus: initiation with GTP at a specific site within the N cistron. Schubert M, et al. **J Virol** 1982 Jul;43(1):166–73
The double-stranded RNA genome segments of cytoplasmic polyhedrosis virus are independently transcribed. Smith RE, et al. **J Virol** 1982 Jan;41(1):326–9
In vitro transcription catalyzed by heat-treated human rotavirus. Spencer E, et al. **J Virol** 1981 Oct;40(1):1–10
Monoclonal antibodies to the influenza A virus nucleoprotein affecting RNA transcription. van Wyke KL, et al. **J Virol** 1981 Jul;39(1):313–7
Temporal patterns of human cytomegalovirus transcription: mapping the viral RNAs synthesized at immediate early, early, and late times after infection. Wathen MW, et al. **J Virol** 1982 Feb;41(2):462–77
Transcriptional and translational mapping of a 6.6-kilobase-pair DNA fragment containing the junction of the terminal repetition and unique sequence at the left end of the vaccinia virus genome. Wittek R, et al. **J Virol** 1981 Sep;39(3):722–32
Monocistronic and polycistronic bacteriophage T4 gene 23 messages. Young ET, et al. **J Virol** 1981 Dec;40(3):790–9
Transcription in aging: the response of rat liver nuclear RNA polymerases to cycloheximide in vivo. Lindell TJ, et al. **Mech Ageing Dev** 1982 May;19(1):63–71
Cell-type specific codon usage and differentiation. Strehler B, et al. **Mech Ageing Dev** 1982 Apr;18(4):285–313
A model of senescence as the piecewise loss of control over transcription. Jablonka E, et al. **Med Hypotheses** 1981 Dec; 7(12):1401–3
The use of cloned nif (nitrogen fixation) DNA to investigate transcriptional regulation of nif expression in Klebsiella pneumoniae. Buchanan-Wollaston V, et al. **MGG** 1981; 184(1):102–6
Transcriptional termination sites in the b2 region of bacteriophage lambda that are unresponsive to antitermination. Burt DW, et al. **MGG** 1982;185(3):462–7
The cis-specificity of the Q-gene product of bacteriophage lambda. Burt DW, et al. **MGG** 1982;185(3):468–72
rho Mutations restore lamB expression in E. coli K12 strains with an inactive malB region. Colonna B, et al. **MGG** 1981; 184(3):479–83
An antibiotic dependent conditional lethal mutant with a lesion affecting transcription and translation. Dabbs ER, et al. **MGG** 1981;184(2):224–9
Read-through transcription from a derepressed Tn3 promoter affects ColE1 functions on a ColE1::Tn3 composite plasmid. Emerick AW. **MGG** 1982;185(3):408–17
Essential role of the gyrB gene product in the transcriptional event coupled to dnaA-dependent initiation of Escherichia coli chromosome replication. Filutowicz M, et al. **MGG** 1981;183(1):134–8
Amplification of maize ribulose bisphosphate carboxylase large subunit synthesis in E. coli by transcriptional fusion with the lambda N operon. Gatenby AA, et al. **MGG** 1982; 185(3):424–9
Construction and characterization of a tufA-lacZ fusion coding for an E. coli EF-Tu-beta-galactosidase chimeric protein. Gausing K. **MGG** 1981;184(2):265–71
Effects of the positively regulating product of gene 28 of the B. subtilis phage SPO1 on in vitro transcription. Giacomoni PU. **MGG** 1981;183(3):422–7
Isolation of fusions between the lac genes and several genes of the exu regulon: analysis of their regulation, determination of the transcription direction of the uxaC-uxaA operon, in Escherichia coli K-12. Hugouvieux-Cotte-Pattat N, et al. **MGG** 1981; 182(2):279–87
Involvement of the nusB gene products in transcription of Escherichia coli tryptophan operon in vitro. Kuroki K, et al. **MGG** 1982;185(2):369–71
Promoters in the region of the E. coli replication origin. Morelli G, et al. **MGG** 1981;184(2):255–9
Regulation of early gene expression of bacteriophage phi 80: transcriptional regulation by phi 80 gene 30. Morita T, et al. **MGG** 1981;184(1):133–9
Control of bacteriophage phi X 174 gene expression by the transcription termination factor rho in vitro. Patrushev LI, et al. **MGG** 1981;182(3):471–6
Transcription regulation of colicin Ib synthesis. Pugsley AP. **MGG** 1981;183(3):522–7
A cis-acting regulator of enzyme tissue specificity in Drosophila is expressed at the RNA level. Rabinow L, et al. **MGG** 1981;183(2):264–9
An estimate of the frequency of in vivo transcriptional errors at a nonsense codon in Escherichia coli. Rosenberger RF, et al. **MGG** 1981;183(3):561–3
In vivo expression of the rII region of bacteriophage T4 present in chimeric plasmids. Selzer G, et al. **MGG** 1981; 183(3):505–13
Nuclear and polysomal transcripts of T-DNA in octopine crown gall suspension and callus cultures. Willmitzer L, et al. **MGG** 1981;182(2):255–62
A possible role in transcription for the single-stranded DNA binding protein of bacteriophage T7. Yeats SM, et al. **MGG** 1981;183(1):187–91
Processing of procaryotic ribonucleic acid. Gegenheimer P, et al. **Microbiol Rev** 1981 Dec;45(4):502–41 (179 ref.)
Isolation of a mouse DNA fraction which encodes more informational than non informational RNA sequences. Hanania N, et al. **Mol Biol Rep** 1982 Mar 31;8(2):91–6
Preliminary characterization of the transcriptional and translational products of the Saccharomyces cerevisiae cell division cycle gene CDC28. Reed SI, et al. **Mol Cell Biol** 1982 Apr;2(4):412–25
Effects of the umuC36 mutation on ultraviolet-radiation-induced base-change and frameshift mutations in Escherichia coli. Kato T, et al. **Mutat Res** 1981 Oct;83(3):307–19
Ultraviolet-induced frameshift mutagenesis in Salmonella typhimurium: absence of an effect of mutation frequency decline. Leyden MF, et al. **Mutat Res** 1981 Dec; 84(2):247–55
Frameshift mutations: relative roles of simple intercalation and of adduct formation. McCoy EC, et al. **Mutat Res** 1981 Sep;90(1):21–30
T4 late transcripts are initiated near a conserved DNA sequence. Christensen AC, et al. **Nature** 1982 Sep 23; 299(5881):369–71
RNA synthesis and cytoplasmic polyadenylation in the one-cell mouse embryo. Clegg KB, et al. **Nature** 1982 Jan 28;295(5847):343–4
Rate of turnover of structural variants in the rDNA gene family of Drosophila melanogaster. Coen ES, et al.

Nature 1982 Feb 18;295(5850):564–8
The DNase I sensitivity of Xenopus laevis genes transcribed by RNA polymerase III. Coveney J, et al. **Nature** 1982 Aug 5;298(5874):578–80
Variety in the level of gene control in eukaryotic cells. Darnell JE Jr. **Nature** 1982 Jun 3;297(5865):365–71 (151 ref.)
Cellular genes analogous to retroviral onc genes are transcribed in human tumour cells. Eva A, et al. **Nature** 1982 Jan 14;295(5845):116–9
DNA unwinding in transcription and recombination [news] Fisher LM. **Nature** 1982 Sep 9;299(5879):105–6
Two conserved sequence blocks within eukaryotic tRNA genes are major promoter elements. Galli G, et al. **Nature** 1981 Dec 17;294(5842):626–31
Point mutation in the TATA box curtails expression of sea urchin H2A histone gene in vivo. Grosschedl R, et al. **Nature** 1981 Nov 12;294(5837):178–80
DNA sequences necessary for transcription of the rabbit beta-globin gene in vivo. Grosveld GC, et al. **Nature** 1982 Jan 14;295(5845):120–6
Ribosomal RNA transcription in vitro is species specific. Grummt I, et al. **Nature** 1982 Mar 11;296(5853):173–4
Activation of transcription of a yeast gene in E. coli by an IS5 element. Jund R, et al. **Nature** 1982 Apr 15; 296(5858):680–1
Transcription of Xenopus 5S ribosomal RNA genes. Korn LJ. **Nature** 1982 Jan 14;295(5845):101–5
Activation of SV40 genome by 72-base pair tandem repeats of Moloney sarcoma virus. Levinson B, et al. **Nature** 1982 Feb 18;295(5850):568–72
In vivo decoding rules in Schizosaccharomyces pombe are at variance with in vitro data. Munz P, et al. **Nature** 1981 Nov 12;294(5837):187–8
The end of the message [news] Proudfoot N. **Nature** 1982 Aug 5;298(5874):516–7
LexA protein inhibits transcription of the E. coli uvrA gene in vitro. Sancar A, et al. **Nature** 1982 Jul 1;298(5869):96–8
Transcript secondary structures regulate transcription termination at the attenuator of S. marcescens tryptophan operon. Stroynowski I, et al. **Nature** 1982 Jul 1; 298(5869):34–8
Active chromatin. Weisbrod S. **Nature** 1982 May 27; 297(5864):289–95 (111 ref.)
Function of a tRNA gene promoter depends on nucleosome position. Wittig S, et al. **Nature** 1982 May 6;297(5861):31–8
Stable gene expression in vitro [news] Woodland RR. **Nature** 1982 Jun 10;297(5866):457–8
Enhancing elements for activation of eukaryotic promoters [news] Yaniv M. **Nature** 1982 May 6;297(5861):17–8
The LSP-2 gene and a 5' flanking sequence are independently expressed in Drosophila melanogaster. Yedvobnick B, et al. **Nature** 1982 May 20;297(5863):239–41
Expression in male and genomic organization of the gene(s) coding for a major protein secreted by the rat seminal vesicle epithelium. Abrescia P, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1159–74
Sequence organization of the spacer in the ribosomal genes of Xenopus clivii and Xenopus borealis. Bach R, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5311–30
Selective in vitro transcription by purified yeast RNA polymerase II on cloned 2 micron DNA. Ballario P, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3959–78
Selected host cell capped RNA fragments prime influenza viral RNA transcription in vivo. Beaton AR, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4423–36
The complete sequence and coding content of snowshoe hare bunyavirus small (S) viral RNA species. Bishop DH, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3703–13
Synthesis and processing of ribosomal RNA in isolated yeast mitochondria. Boerner P, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6379–90
Yeast deRNA viral transcriptase pause products: identification of the transcript strand. Brennan VE, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):5049–59
In vitro transcription by purified yeast RNA polymerase II. Coarse promoter mapping on homologous cloned genes. Carnevali F, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3195–209
The appearance of DNase I hypersensitive sites at the 5' end of the late SV40 genes is correlated with the transcriptional switch. Cremisi C. **Nucleic Acids Res** 1981 Nov 25; 9(22):5949–64
Molecular cloning of human immune interferon cDNA and its expression in eukaryotic cells. Devos R, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2487–501
The nucleotide sequence at the transcription termination site of the ribosomal RNA gene in Tetrahymena thermophila. Din N, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1503–13
Transcription of cloned tRNA and 5S RNA genes in a Drosophila cell free extract. Dingermann T, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3907–18
Selective in vitro transcription of one of the two Alu family repeats present in the 5' flanking region of the human epsilon-globin gene. Di Segni G, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6709–22
Analysis of transcription of the human Alu family ubiquitous repeating element by eukaryotic RNA polymerase III. Fuhrman SA, et al. **Nucleic Acids Res** 1981 Dec 11; 9(23):6439–56
Nucleotide sequences of two Bacillus subtilis promoters used by Bacillus subtilis sigma-28 RNA polymerase. Gilman MZ, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5991–6000
Mapping of in vitro transcription units and identification of primary transcripts of the D region of bacteriophage T4. Goldfarb A, et al. **Nucleic Acids Res** 1981 Jun 25; 9(12):2791–800
Mapping of a mouse ribosomal DNA promoter by in vitro transcription. Grummt I. **Nucleic Acids Res** 1981 Nov 25; 9(22):6093–102
Localization of putative transcription initiation site on the cloned rDNA fragment of Tetrahymena pyriformis. Higashinakagawa T, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5905–16
Vitellogenin in Drosophila melanogaster: a comparison of the YPI and YPII genes and their transcription products. Hovemann B, et al. **Nucleic Acids Res** 1982 Apr 10; 10(7):2261–74
Adenovirus late sequences linked to herpes simplex virus thymidine kinase may be introduced into eukaryotic cells and transcribed. Inglis MM, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5569–85
Comparison of the polyoma virus early and late promoters by transcription in vitro. Jat P, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):871–87
In vitro transcription of two Epstein-Barr virus specified small RNA molecules. Jat P, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3407–25
A coupled transcription-translation system from Agrobacterium tumefaciens and its application to study Ti plasmid expression in vitro. Kartašova T, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6763–72
The orderly splicing of the first three leaders of the adenovirus-2 major late transcript. Keohavong P, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1215–29
Cloning and determination of the transcription termination site of ribosomal RNA gene of the mouse. Kominami R, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1963–79
On immunoglobulin heavy chain gene switching: two gamma 2b genes are rearranged via switch sequences in MPC-11 cells but only one is expressed. Lang RB, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):611–30
Isolation and characterization of cloned rat DNA fragment carrying tRNA genes. Lasser-Weiss M, et al. **Nucleic Acids Res** 1981 Nov 25;9(22):5965–78
Genomic organization and transcription of the alpha beta heat shock DNA in Drosophila melanogaster. Lis JT, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5297–310
Transcription of the beta-like globin genes and pseudogenes of the goat in a cell-free system. Luse DS, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4339–54
Transcriptional analyses of the Bacillus licheniformis penP gene. McLaughlin JR, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3905–19
Nucleotide sequence of an external transcribed spacer in Xenopus laevis rDNA: sequences flanking the 5' and 3' ends of 18S rRNA are non-complementary. Maden BE, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2387–98
Transcriptional regulation of immunoglobulin V genes. Mather EL, et al. **Nucleic Acids Res** 1981 Dec 21; 9(24):6855–67
Transcription of sea urchin histone genes in Escherichia coli. Mellado RP, et al. **Nucleic Acids Res** 1981 Aug 25; 9(16):3889–906
Identification of .he in vivo and in vitro origin of transcription in human rDNA. Miesfeld R, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3933–49
In vitro transcription of a cloned mouse ribosomal RNA gene. Mishima Y, et al. **Nucleic Acids Res** 1981 Dec 21; 9(24):6773–85
The SV40 72 base repair repeat has a striking effect on gene expression both in SV40 and other chimeric recombinants. Moreau P, et al. **Nucleic Acids Res** 1981 Nov 25; 9(22):6047–68
T-DNA of pTi-15955 from Agrobacterium tumefaciens is transcribed into a minimum of seven polyadenylated RNAs in a sunflower crown gall tumor. Murai N, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1679–89
No evidence for post-transcriptional control of albumin and alpha-fetoprotein gene expression in developing rat liver neoplasia. Nahon JL, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):1895–911
Two closely linked transcription units within the 63B heat shock puff locus of D. melanogaster display strikingly different regulation. O'Connor D, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):5075–92
Termination of transcription of the coliphage T7 'early' operon in vitro: slowness of enzyme release, and lack of any role for sigma. O'Hare KM, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4689–707
Initiation of transcription of genes for mitochondrial ribosomal RNA in yeast: comparison of the nucleotide sequence around the 5'-ends of both genes reveals a homologous stretch of 17 nucleotides. Osinga KA, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3617–26
Characterization of the beta-lactamase promoter of pBR322. Russell DR, et al. **Nucleic Acids Res** 1981 Jun 11; 9(11):2517–33
Promotion of specific in vitro transcription by excised 'TATA' box sequences inserted in a foreign nucleotide environment. Sassone-Corsi P, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):3941–58
Expression of plant tumor-specific proteins in minicells of Escherichia coli: a fusion protein of lysopine dehydrogenase with chloramphenicol acetyltransferase. Schröder J, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5187–202
Nucleotide sequence of the rrnG ribosomal RNA promoter region of Escherichia coli. Shen WF, et al. **Nucleic Acids Res** 1982 May 25;10(10):3303–13
A minimal mechanism for abortive initiation of transcription of T7 DNA. Smagowicz W, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5845–54
Accurate transcription of cloned Xenopus rRNA genes by RNA polymerase I: demonstration by S1 nuclease mapping. Sollner-Webb B, et al. **Nucleic Acids Res** 1982 Jun 11; 10(11):3391–405
Nature of an inserted sequence in the mitochondrial gene coding for the 15S ribosomal RNA of yeast. Sor F, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1625–33
Use of specific single stranded DNA probes cloned in M13 to study the RNA synthesis of four temperature-sensitive mutants of HK/68 influenza virus. Thierry F, et al. **Nucleic Acids Res** 1982 May 11;10(9):2925–38
Sequence of a putative promoter region for the rRNA genes of tobacco chloroplast DNA. Tohdoh N, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5399–406
The nucleotide sequence of the bacteriocin promoters of plasmids Clo DF13 and Col E1: role of lexA repressor and cAMP in the regulation of promoter activity. van den Elzen PJ, et al. **Nucleic Acids Res** 1982 Mar 25; 10(6):1913–28
Characterization of the DNA duplication-transposition that controls the expression of two genes for variant surface glycoproteins in Trypanosoma brucei. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):593–609
The nucleotide sequence of the intergenic region between the 5.8S and 26S rRNA genes of the yeast ribosomal RNA operon. Possible implications for the interaction between 5.8S and 26S rRNA and the processing of the primary transcript. Veldman GM, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4847–62
Identification, nucleotide sequence and expression of the regulatory region of the histidine operon of Escherichia coli K-12. Verde P, et al. **Nucleic Acids Res** 1981 May 11;9(9):2075–86
Properties of active nucleosomes as revealed by HMG 14 and 17 chromatography. Weisbrod ST. **Nucleic Acids Res** 1982 Mar 25;10(6):2017–42
Construction and expression in vivo of an internally deleted mouse alpha-fetoprotein gene: presence of a transcribed Alu-like repeat within the first intervening sequence. Young PR, et al. **Nucleic Acids Res** 1982 May 25; 10(10):3099–116
Transcription of the Agrobacterium Ti plasmid in the bacterium and in crown gall tumors. Gelvin SB, et al. **Plasmid** 1981 Jul;6(1):17–29
Kinetoplast DNA in the insect trypanosomes Crithidia luciliae and Crithidia fasciculata. I. Sequence evolution and transcription of the maxicircle. Hoeijmakers JH, et al. **Plasmid** 1982 May;7(3):199–209
Transcription in yeast mitochondria: analysis of the 21 S rRNA region and its transcripts. Locker J, et al. **Plasmid** 1981 Nov;6(3):302–14
Mapping of transcription initiation and termination signals on Xenopus laevis ribosomal DNA. Bakken A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):56–60
Detection of genes coding for human differentiation markers by their transient expression after DNA transfer. Chang LJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):146–50
Synthetic sites for transcription termination and a functional comparison with tryptophan operon termination sites in vitro. Christie GE, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4180–4
Site-directed mutagenesis of a tRNA gene: base alterations in the coding region affect transcription. Ciampi MS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1388–92
Promoter of a eukaryotic tRNAPro gene is composed of tree noncontiguous regions. Ciliberto G, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1195–9
Integration, transcription, and control of a Drosophila heat shock gene in mouse cells. Corces V, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7038–42
Transcription of adenovirus cores in vitro: major RNA products differ from those made from a DNA template. Daniell E, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1834–8
Assembly of nuclear ribonucleoprotein particles during in vitro transcription. Economidis IV, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1469–73
Effects of DNA base analogs on transcription termination at the tryptophan operon attenuator of EScherichia coli. Farnham PJ, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):998–1002
Uninfected cell polymerase efficiently transcribes early but not late herpes simplex virus type 1 mRNA. Frink RJ, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6139–43
Identification of a RNA polymerase II initiation site in the long terminal repeat of Moloney murine leukemia viral DNA. Fuhrman SA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5411–5
Cloning and analysis of strong promoters is made possible by the downstream placement of a RNA termination signal. Gentz R, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4936–40
Delimitation of far upstream sequences required for maximal

in vitro transcription of an H2A histone gene. Grosschedl R, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):297–301
Synthesis of stable unspliced mRNA from an intronless simian virus 40—rat preproinsulin gene recombinant. Gruss P, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6091–5
Posttranscriptional control of bacteriophage lambda gene expression from a site distal to the gene. Guarneros G, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):238–42
Synthesis of capped and uncapped methylated oligonucleotides by the virion transcriptase of spring viremia of carp virus, a rhabdovirus. Gupta KC, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4758–62
Low molecular weight RNAs transcribed in vitro by RNA polymerase III from Alu-type dispersed repeats in Chinese hamster DNA are also found in vivo. Haynes SR, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6130–4
Pyrophosphate inhibition of rho ATPase: a mechanism of coupling to RNA polymerase activity. Kent RB, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):3992–6
Accurate transcription of truncated ribosomal DNA templates in a Drosophila cell-free system. Kohorn BD, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1501–5
DNA sequences affecting specific initiation of transcription in vitro from the EIII promoter of adenovirus 2. Lee DC, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):41–5
Reactivation of chicken erythrocyte nuclei in heterokaryons results in expression of adult chicken globin genes. Linder S, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6286–9
Transcription of the simian virus 40 genome in DNA-transformed murine teratocarcinoma stem cells. Linnenbach A, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6386–90
Purified lexA protein is a repressor of the recA and lexA genes. Little JW, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4199–203
Specific in vitro initiation of transcription on the adenovirus type 2 early and late EII transcription units. Mathis DJ, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7383–7
Abortive termination of bioBFCD RNA synthesized in vitro from the bioABFCD operon of Escherichia coli K-12. Nath SK, et al. **Proc Natl Acad Sci USA** 1982 Mar; 79(6):1786–90
Specific transcriptional initiation in vitro on murine type C retrovirus promoters. Ostrowski MC, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4485–9
Purified glucocorticoid receptors bind selectively in vitro to a cloned DNA fragment whose transcription is regulated by glucocorticoids in vivo. Payvar F, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6628–32
Internal control regions for transcription of eukaryotic tRNA genes. Sharp S, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6657–61
Chromatin conformational changes accompany transcriptional activation of a glucose-repressed gene in Saccharomyces cerevisiae. Sledziewski A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):253–6
Yeast tRNA3Leu gene transcribed and spliced in a HeLa cell extract. Standring DN, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):5963–7
Plasmid ColE1 incompatibility determined by interaction of RNA I with primer transcript. Tomizawa J, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6096–100
Promoter sequence of fibroin gene assigned by in vitro transcription system. Tsujimoto Y, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4838–42
Role of two of the influenza virus core P proteins in recognizing cap 1 structures (m7GpppNm) on RNAs and in initiating viral RNA transcription. Ulmanen I, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7355–9
Microinjection of a rabbit beta-globin gene into zygotes and its subsequent expression in adult mice and their offspring. Wagner TE, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6376–80
Expression of cellu...r homologues of retroviral onc genes in human hematopoietic cells. Westin EH, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2490–4
Repetitive DNA sequences cotranscribed with developmentally regulated Dictyostelium discoideum mRNAs. Zuker C, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5386–90
Characterization and sequence analysis of interspersed repetitive DNA sequences transcribed in X.laevis embryos. Reith W, et al. **Prog Clin Biol Res** 1982;85 Pt A:139–48
Definition of the transcription unit of the natural ovalbumin gene. Roop DR, et al. **Prog Clin Biol Res** 1981;66 Pt B:381–92
Studies on fibroin gene transcription by in vitro genetics. Suzuki Y. **Prog Clin Biol Res** 1982;85 Pt A:305–25 (43 ref.)
Transcription and processing of a tRNA gene containing an intervening sequence. Tocchini-Valentini GP, et al. **Prog Clin Biol Res** 1982;85 Pt A:79–100
Visualization of in vivo transcription patterns in Xenopus rDNA spacer chromatin. Trendelenburg MF. **Prog Clin Biol Res** 1982;85 Pt A:199–210
Regulatory circuits of bacteriophage lambda. Adhya SL, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:103–18
Mechanisms of transcription: summary. Fujimura RK. **Prog Nucleic Acid Res Mol Biol** 1981;26:99–102
Control of transcription in eukaryotes: summary. Rutter WJ. **Prog Nucleic Acid Res Mol Biol** 1981;26:171–8
Transcriptional control signals of a eukaryotic protein-coding gene. McKnight SL, et al. **Science** 1982 Jul 23;217(4557):316–24
Gene scanning with block mutations [news] Marx JL. **Science** 1982 Jul 30;217(4558):434–5
Suppression of transcription termination by phage lambda. Ward DF, et al. **Science** 1982 May 28;216(4549):946–51
Post-transcriptional modification of globin RNA. Cheng T. **Tex Rep Biol Med** 1980–81;40:87–100 (86 ref.)
Characterization of monospecific antisera against all five vesicular stomatitis virus-specific proteins: anti-L and anti-NS inhibit transcription in vitro. Harmon SA, et al. **Virology** 1982 Jul 15;120(1):194–204
Virus-specific transcription in bovine papillomavirus-transformed mouse cells. Heilman CA, et al. **Virology** 1982 May;119(1):22–34
Evidence against involvement of host transcription in the replication of vaccinia and herpes simplex viruses. Silver M, et al. **Virology** 1982 Apr 15;118(1):214–8
Virus-specific transcription and translation in organs of BALB/Mo mice: comparative study using quantitative hybridization, in situ hybridization, and immunocytochemistry. Simon I, et al. **Virology** 1982 Jul 15;120(1):106–21
[Role of RNA in the inactivation of chromosomes during the metaphase] Vasseur F, et al. **C R Seances Acad Sci [III]** 1982 Jan 25;294(4):223–6 (Eng. Abstr.) (Fre)
[Regulation of the expression of Escherichia coli genes coding for the proteins involved in translation] Grunberg-Manago M. **C R Soc Biol (Paris)** 1981; 175(4):426–45 (Eng. Abstr.) (Fre)
[Isolation of various fractions of human placental nuclei and their utilization in an in vitro transcription system] Lasbennes A, et al. **C R Soc Biol (Paris)** 1981;175(4):508–16 (Eng. Abstr.) (Fre)
[Gene structure and gene expression. Chicken lysozyme gene] Schütz G. **Naturwissenschaften** 1981 Apr;68(4):170–6 (Eng. Abstr.) (Ger)
[Transcription and RNA processing of SV40 DNA (author's transl)] Handa H. **Seikagaku** 1982;54(2):95–8 (28 ref.) (Jpn)
[Multiple forms and transcription specificity of Bacillus subtilis RNA polymerase during sporulation (author's transl)] Nakayama T, et al. **Tanpakushitsu Kakusan Koso** 1981 May;26(6):842–37 (70 ref.) (Jpn)
[Increase in the number of repeating sequences of DNA in transcriptionally active sites of rat genome induced by cortisol and phenobarbital] Dudareva NA, et al. **Biokhimiia** 1981 Jul;46(7):1258–66 (Eng. Abstr.) (Rus)
[Role of RNA polymerase in ensuring fidelity in copying the template during transcription in E. coli] Kamzolova SG, et al. **Biokhimiia** 1981 Apr;46(4):717–22 (Eng. Abstr.) (Rus)
[Transcription of globin gene in erythroid cells transformed by Rauscher virus] Peresleni Tlu, et al. **Biokhimiia** 1982 Feb;47(2):312–6 (Eng. Abstr.) (Rus)
[Peculiarities of nuclear genome transcription at early stages of liver regeneration. Possible role of mitochondrial translation in activation of nuclear RNA biosynthesis] Platonov OM, et al. **Biokhimiia** 1981 Nov;46(11):2074–81 (Eng. Abstr.) (Rus)
[Features of nuclear genome transcription at early steps of liver regeneration: expression of DNA fractions with different repeating sequence frequencies] Prima VI, et al. **Biokhimiia** 1982 Jan;47(1):145–52 (Eng. Abstr.) (Rus)
[Polypeptide synthesis dependent on kinetoplast DNA from Crithidia oncopelti in a cell-free system of E. coli] Zaltseva GN, et al. **Biokhimiia** 1981 Nov;46(11):2056–63 (Eng. Abstr.) (Rus)
[Transcription in the sympathetic neurocytes of rats at different stages of postnatal ontogeny] Grigor'eva AV, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):110–2 (Eng. Abstr.) (Rus)
[Regulation of the activity of the Escherichia coli K-12 uridine phosphorylase gene. I. Mapping of the structural gene mutations and a determination of the direction of transcription] Alkhimova RA, et al. **Genetika (Moskva)** 1981;17(10):1730–6 (Eng. Abstr.) (Rus)
[Mapping of 2 cloned DNA fragments containing repetitive mouse genome regions, actively transcribing into pre-mRNA] Tokarskaia ON, et al. **Genetika (Moskva)** 1982 May;18(5):713–23 (Eng. Abstr.) (Rus)
[Effect of the primary structure of RNA on the pulse character of RNA elongation in vitro by Escherichia coli RNA polymerase: a model] Aivazashvili VA, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):915–29 (Eng. Abstr.) (Rus)
[Expression of cloned genes in pro- and eukaryotic cells] Danilevskaia ON. **Mol Biol (Mosk)** 1982 May–Jun; 16(3):453–80 (169 ref.) (Eng. Abstr.) (Rus)
[Col E1 DNA transcription in Escherichia coli RNA-polymerase system in vitro] Denisova Lla, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):768–78 (Eng. Abstr.) (Rus)
[Viral sequences in the genomes of rat and hamster cells transformed by simian adenovirus SA7(C8) and its DNA] Gartel' AL, et al. **Mol Biol (Mosk)** 1982 May–Jun; 16(3):519–27 (Eng. Abstr.) (Rus)
[Repeated genes in eukaryotes] Il'in IuV. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):229–57 (163 ref.) (Eng. Abstr.) (Rus)
[Integrase of lambda phage inhibits the activity of promotor Patt under in vivo and in vitro conditions] Kravchenko VV, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):511–8 (Eng. Abstr.) (Rus)
[Kinetics of DNA-dependent synthesis of RNA: correlation between abortive and productive initiations] Malygin AG, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):875–82 (Eng. Abstr.) (Rus)
[Reverse transcription of influenza virion RNA without exogenous primer] Petrik Iu, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):398–402 (Eng. Abstr.) (Rus)
[Transcription of influenza virus genome. Location and dependence on the nuclear primer function] Starov AI, et al. **Mol Biol (Mosk)** 1981 Nov–Dec;15(6):1415–22 (Eng. Abstr.) (Rus)
[Processing of tRNA] Venkstern TV. **Mol Biol (Mosk)** 1981 Jan–Feb;15(1):5–26 (82 ref.) (Eng. Abstr.) (Rus)
[Broadening the possibility of synthesis of complementary DNA by the method of reverse transcription] Kavsan VM, et al. **Usp Sovrem Biol** 1981 May–Jun;91(3):323–33 (118 ref.) (Rus)
[Study of regulation of orthomyxovirus virus-specific polypeptides using the ts-mutant of fowl plague virus having a transcription abnormality as a model] Mai kushin SG, et al. **Vopr Virusol** 1981 Sep–Oct;(5):604–7 (Eng. Abstr.) (Rus)

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Inhibition of RNA and protein synthesis by ethanol in regenerating rat liver: evidence for transcriptional inhibition of protein synthesis. Pösö H, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Aug;49(2):125–9
The response of barley aleurone layers to gibberellic acid includes the transcription of new sequences. Bernal-Lugo I, et al. **Biochem Biophys Res Commun** 1981 Sep 30; 102(2):617–23
Differential effect of neomycin on DNA dependent -DNA and RNA synthesis in vitro. Dube DK, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):378–88
Differential induction of rat hepatic cytochrome P-448 and glutathione S-transferase B messenger RNAs by 3-methylcholanthrene. Pickett CB, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):611–9
Inhibition of nuclear ribonuclease activity during transcription in vitro by aurintricarboxylic acid and vanadyl ribonucleoside complexes. Schulz-Harder B, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):903–10
Regulation of collagen synthesis by ascorbic acid. Ascorbic acid increases type I procollagen mRNA. Tajima S, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):632–7
Stimulation of synthesis and translational activity of polyadenylated messenger RNA in wounded potato tubers by 2, 4-dichlorophenoxyacetic acid. Tripathi RK, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1218–25
Evidence for the transcriptional inhibition by heme of the synthesis of delta-aminolevulinate synthase in rat liver. Yamamoto M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):985–90
Stimulation in vitro of a heparin-resistant RNA polymerase I transcription complex. Haddox MK, et al. **Biochem J** 1981 Jul 15;198(1):207–10
Glucocorticosteroid suppression of alpha1-fetoprotein synthesis in developing rat liver. Evidence for selective gene repression at the transcriptional level. Bélanger L, et al. **Biochemistry** 1981 Nov 10;20(23):6665–72
Measurement of medium lysyl oxidase activity in aorta smooth muscle cells. Effects of multiple medium changes and inhibition of protein synthesis. Gonnerman WA, et al. **Biochemistry** 1981 Jun 23;20(13):3864–7
Differential induction by cadmium of a low-complexity ribonucleic acid class in cadmium-resistant and cadmium-sensitive mammalian cells. Griffith JK, et al. **Biochemistry** 1981 Aug 4;20(16):4755–61
A kinetic study on the mechanism of inhibition of RNA synthesis catalyzed by DNA-dependent RNA polymerase. Differences in inhibition by ethidium bromide, 3,8-diamino-6-ethylphenanthridinium bromide and actinomycin d. Aktipis S, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):278–90
Specific inhibition of hnRNA synthesis by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole. Requirement of a free 3'-hydroxyl group, but not 2'- or 5'-hydroxyls. Egyházi E, et al. **Biochim Biophys Acta** 1982 May 31;697(2):213–20
Regulation of ornithine decarboxylase activity by cyclic AMP in guinea pig lymphocytes: transcriptional and post-transcriptional control. Otani S, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):171–8
A method for the specific inhibition of poly[d(A-T)] synthesis using the A-T specific quinoxaline antibiotic TANDEM. Evans DH, et al. **Can J Biochem** 1982 Feb; 60(2):131–6
Modulation of hepatic transcription and translation during early stages of aflatoxin B1 carcinogenesis. Emeh JK, et al. **Carcinogenesis** 1981;2(5):373–8
The plus-strand leader RNA of VSV inhibits DNA-dependent transcription of adenovirus and SV40 genes in a soluble whole-cell extract. McGowan JJ, et al. **Cell** 1982 Feb;28(2):325–33
The mouse metallothionein-I gene is transcriptionally regulated by cadmium following transfection into human or mouse cells. Mayo KE, et al. **Cell** 1982 May;29(1):99–108
Modulation of 75S RNA synthesis in the Balbiani rings of

Chironomus tentans with galactose treatment. Nelson LG, et al. **Chromosoma** 1981;83(5):645–59

Modification of transcriptional activity induced by protein synthesis inhibitors in salivary gland cells of Chironomus thummi. Aller P, et al. **Cytobios** 1981;31(123–124):179–90

Effects of insulin on ribonucleic acid synthesis in toad urinary bladder. Cobb MH, et al. **Endocrinology** 1981 Dec; 109(6):2167–74

Relationship between estradiol, ergocryptine, and thyroid hormone: effects on prolactin synthesis and prolactin messenger ribonucleic acid levels. Maurer RA. **Endocrinology** 1982 May;110(5):1515–20

Thyroid hormone specifically inhibits prolactin synthesis and decreases prolactin messenger ribonucleic acid levels in cultured pituitary cells. Maurer RA. **Endocrinology** 1982 May;110(5):1507–14

5,6–Dichlororibofuranosylbenzimidazole inhibits the rate of transcription initiation in intact Chironomus cells. Egyházi E, et al. **Eur J Biochem** 1982 Mar 1;122(3):445–51

Dichlorobenzimidazole–riboside inhibition of nuclear RNA accumulation initiated with gamma–thio analogues of ATP and GTP. Winicov I, et al. **Eur J Biochem** 1982 May 17; 124(2):239–44

Stimulation of myosin heavy chain synthesis in steady–state muscle cultures by the ionophore, A23187, requires transcription of messenger RNA. Young RB, et al. **Eur J Cell Biol** 1981 Dec;26(1):184–7

Does protein synthesis decline in lithium–treated sea urchin embryos because RNA synthesis is inhibited? Wolcott DL. **Exp Cell Res** 1982 Feb;137(2):427–31

Effects of purine and pyrimidine nucleoside 5'–di(tri) phosphate–3'–diphosphates on the Escherichia coli cell–free transcription and translation activity. Mukai J, et al. **FEBS Lett** 1982 May 17;141(2):251–3

The influence of DNA gyrase on the transcription of linear DNA in vitro. Shmerling ZhG, et al. **FEBS Lett** 1982 Apr 19;140(2):260–2

Structure, stability, methylation, expression and glucocorticoid induction of endogenous and transfected proviral genes of mouse mammary tumor virus in mouse fibroblasts. Hynes NE, et al. **Gene** 1981 Dec;15(4):307–17

Nucleolar RNA synthesis & segregation pattern in alpha–amanitin treated rat kangaroo cells. Ghosh S. **Indian J Exp Biol** 1982 Feb;20(2):103–6

Inhibition of DNA transcription by chromosomal nonhistone proteins. Kilianska Z, et al. **Int J Biochem** 1981; 13(11):1127–32

Nonhistone chromosomal proteins from gibberellic acid treated maize and pea plants, and their effect on transcription in vitro. Wielgat B, et al. **Int J Biochem** 1981; 13(11):1201–3

lac Transcription in Escherichia coli cells treated with chloramphenicol. Graham MY, et al. **J Bacteriol** 1982 Jul; 151(1):251–61

Regulation of ovine follicle–stimulating hormone beta–chain mRNA by 17 beta–estradiol in vivo and in vitro. Alexander DC, et al. **J Biol Chem** 1982 Mar 10;257(5):2282–6

Insulin decreases phosphoenolpyruvate carboxykinase (GTP) mRNA activity by a receptor–mediated process. Andreone TL, et al. **J Biol Chem** 1982 Jan 10;257(1):35–8

N6,O2'–dibutyryl cycle AMP and glucose regulate the amount of messenger RNA coding for hepatic phosphoenolpyruvate carboxykinase (GTP). Beale EG, et al. **J Biol Chem** 1982 Feb 25;257(4):2022–8

Rapid changes in the concentration of phosphoenolpyruvate carboxykinase mRNA in rat liver and kidney. Effects of insulin and cyclic AMP. Cimbala MA, et al. **J Biol Chem** 1982 Jul 10;257(13):7629–36

Specific stimulation of alpha–amanitin–sensitive RNA synthesis in isolated HeLa nuclei by methyl mercury. Frenkel GD, et al. **J Biol Chem** 1982 Jun 10;257(11):6275–9

The mechanism of progesterone–glucocorticoid interaction in regulation of casein gene expression. Ganguly R, et al. **J Biol Chem** 1982 Mar 10;257(5):2182–7

Effects of 2–acetylaminofluorene and N–hydroxy–2–acetylaminofluorene on the cellular levels of epoxide hydratase, cytochrome P–450b, and NADPH–cytochrome c (P–450) oxidoreductase messenger ribonucleic acids. Gonzalez FJ, et al. **J Biol Chem** 1982 Sep 25;257(18):11032–6

Effects of methotrexate on ribonucleotide pools in growing and in growth–arrested tumor cells and antagonism by RNA synthesis inhibitors. Kaminskas E. **J Biol Chem** 1982 Apr 25;257(8):4279–84

Estradiol regulates the transcription of the prolactin gene. Maurer RA. **J Biol Chem** 1982 Mar 10;257(5):2133–6

The effect of dexamethasone on the initiation of beta–globin gene transcription in differentiating Friend cells. Mierendorf RC Jr, et al. **J Biol Chem** 1982 Apr 25; 257(8):4496–500

Cyclic AMP regulation of lactate dehydrogenase. Quantitation of lactate dehydrogenase M–subunit messenger RNA in isoproterenol–and N6,O2'–dibutyryl cyclic AMP–stimulated rat C6 glioma cells by hybridization analysis using a cloned cDNA probe. Miles MF, et al. **J Biol Chem** 1981 Dec 10;256(23):12545–52

Evidence for a dual effect of dibutyryl cyclic AMP on the synthesis of tyrosine aminotransferase in rat liver. Noguchi T, et al. **J Biol Chem** 1982 Mar 10;257(5):2386–90

Quantitation of estrogen effect on Xenopus laevis albumin mRNA levels by hybridization to cloned albumin cDNA. Philipp BW, et al. **J Biol Chem** 1982 Jul 25; 257(14):8496–501

Pretranslational regulation of alpha 2u–globulin in rat liver by growth hormone. Roy AK, et al. **J Biol Chem** 1982 Jul 10;257(13):7834–8

Participation of poly(ADP–ribosyl)ation in the depression of RNA synthesis caused by treatment of mouse lymphoma cells with methylnitrosourea. Taniguchi T, et al. **J Biol Chem** 1982 Apr 25;257(8):4027–30

Stimulation of transcription by S–adenosyl–L–homocysteine and virion–encapsidated methyl donor in spring viraemia of carp virus. Gupta KC, et al. **J Gen Virol** 1981 Mar;53(Pt 1):183–7

Alterations in ribonucleic acid synthesis by chromium (III). Okada S, et al. **J Inorg Biochem** 1981 Nov;15(3):223–31

Differential inhibition of transcription of DNA by melanoma chromosomal proteins. Lambert MW, et al. **J Invest Dermatol** 1982 Jun;78(6):498–502

A possible non transcriptional effect of progesterone. Loosfelt H, et al. **J Steroid Biochem** 1981 Dec;15:107–10

Transcription of vesicular stomatitis virus activated by pardaxin, a fish toxin that permeabilizes the virion membrane. Pal R, et al. **J Virol** 1981 Aug;39(2):641–5

Spermine–mediated phosphorylation of RNA polymerase I and its effect on transcription. Jacob ST, et al. **Med Biol** 1981 Dec;59(5–6):381–8

Assay of interferon by measurement of reduction of MM virus RNA synthesis. Giron DJ. **Methods Enzymol** 1981; 78(Pt A):399–402

Procedures for studying transcription and translation of viral and host nucleic acids in interferon–treated cells. Joklik WK. **Methods Enzymol** 1981;79(Pt B):307–30

Assay of interferon by reduction of viral RNA synthesis: a convenient assay for tracer experiments with monolayer cultures. Suzuki J, et al. **Methods Enzymol** 1981;78(Pt A):403–9

Negative regulation of beta and beta' synthesis by RNA polymerase. Lang–Yang H, et al. **MGG** 1981;183(3):514–7

Transcription of the E. coli tufB gene: cotranscription with four tRNA genes and inhibition by guanosine–5'–diphosphate–3'–diphosphate. Miyajima A, et al. **MGG** 1981;183(1):13–9

Transcriptional regulation of the prolactin gene by ergocryptine and cyclic AMP. Maurer RA. **Nature** 1981 Nov 5;294(5836):94–7

Chemical carcinogenesis — the price for DNA – repair? Wintersberger U. **Naturwissenschaften** 1982 Mar; 69(3):107–13 (77 ref.)

Effect of several metal ions on misincorporation during transcription. Niyogi SK, et al. **Nucleic Acids Res** 1981 Jun 11;9(11):2615–27

A promoter of pBR322 activated by cAMP receptor protein. Queen C, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3365–77

Evidence for ribosomes involved in splicing of yeast mitochondrial transcripts. Schmelzer C, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):513–24

Induction of premature termination of transcription of the mouse beta–globin gene by 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole (DRB). Tweeten KA, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3307–19

Transcription of T–DNA in octopine and nopaline crown gall tumours is inhibited by low concentrations of alpha–amanitin. Willmitzer L, et al. **Nucleic Acids Res** 1981 Oct 10;9(19):4801–12

Cell–free expression of the beta–galactosidase gene: a model system to study the effects of nucleotide analogs on transcription–translation. Zimmer M, et al. **Nucleic Acids Symp Ser** 1981;(9):225–8

Mechanism for transcriptional action of cyclic AMP in Escherichia coli: entry into DNA to disrupt DNA secondary structure. Ebright RH, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4011–5

Interferon–dependent induction of mRNA for the major histocompatibility antigens in human fibroblasts and lymphoblastoid cells. Fellous M, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3082–6

Sizes and map positions of several plasmid–DNA–encoded transcripts in octopine–type crown gall tumors. Gelvin SB, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):76–80

Thyrotropin–releasing hormone exerts rapid nuclear effects to increase production of the primary prolactin mRNA transcript. Potter E, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6662–6

Site of premature termination of late transcription of simian virus 40 DNA: enhancement by 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole. Skolnik–David H, et al. **Proc Natl Acad Sci USA** 1982 May; 79(9):2743–7

Prolactin induces release of a factor from membranes capable of stimulating beta–casein gene transcription in isolated mammary cell nuclei. Teyssot B, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6729–33

Transcription termination at the tryptophan operon attenuator is decreased in vitro by an oligomer complementary to a segment of the leader transcript. Winkler ME, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2181–5

Mechanism of action of dichloro–beta–D–ribofuranosylbenzimidazole: effect on in vitro transcription. Zandomeni R, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3167–70

Effect of narciclasine and puromycin on the synthesis of rapidly labelled RNA in excised salivary glands of Chironomus thummi. Aller P. **Rev Esp Fisiol** 1981 Dec; 37(4):485–90

Effect of sodium butyrate treatment of HeLa cells on the transcriptional activity of their isolated nuclei. Castro R, et al. **Rev Esp Fisiol** 1981 Jun;37(2):147–52

Covalent attachment of psoralen to a single site on vesicular stomatitis virus genome RNA blocks expression of viral genes. Talib S, et al. **Virology** 1982 Apr 30;118(2):430–8

Influence of dimethylsulfoxide on transcription by bacteriophage T3–induced RNA polymerase. Musielski H, et al. **Z Allg Mikrobiol** 1981;21(6):447–56

[Cortisol–induced changes in methylation of repeating sequences of transcriptionally active DNA from rat liver] Dudareva NA, et al. **Biokhimiia** 1981 Aug;46(8):1475–81 (Eng. Abstr.) **(Rus)**

[Effect of gibberellic acid on RNA synthesis in dwarf peas] Kilev SN, et al. **Biokhimiia** 1982 Apr;47(4):660–70 (Eng. Abstr.) **(Rus)**

[Binding of glucocorticoid–receptor complexes with the acceptor zones of nuclei and effect of glucocorticoids on RNA synthesis in hormone–sensitive and hormone–resistant cell populations] Krasil'nikov MA, et al. **Biokhimiia** 1982 Feb;47(2):206–15 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Recovery from inhibition of transcription in gamma–irradiated Euglena cells. Tsushimoto G, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):14–9

Potential of intense gamma–irradiation of host cells for analysis of virus–specified transcription and replication. Silver M, et al. **Can J Biochem** 1982 Mar;60(3):279–83

Demonstration of gamma irradiation induced synthesis of mRNA in potato buds. Ussuf KK, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):276–80

The sensitivity of active and inactive chromatin to ionizing radiation–induced DNA strand breakage. Chiu SM, et al. **Int J Radiat Biol** 1982 Jan;41(1):71–7

Synthesis of coronavirus mRNAs: kinetics of inactivation of infectious bronchitis virus RNA synthesis by UV light. Stern DF, et al. **J Virol** 1982 May;42(2):755–9

Procedures to estimate the size of interferon mRNA and use of UV irradiation to estimate the size of its primary transcript. Sehgal PB. **Methods Enzymol** 1981;79(Pt B):111–24

[Biological effects of heavy ion exposure] Kiefer J. **Naturwissenschaften** 1982 Jun;69(6):260–5 (Eng. Abstr.) **(Ger)**

[Transcription process in rat thymus cells subjected to x–ray irradiation. 6. Biosynthesis and metabolism of poly(A)–containing and poly(A)–noncontaining polysome RNA] Evtushenko VI, et al. **Radiobiologiia** 1981 May–Jun; 21(3):341–7 (Eng. Abstr.) **(Rus)**

TRANSCULTURAL STUDIES see **CROSS–CULTURAL COMPARISON**

TRANSDUCERS

A simple respiration transducer. Ogilvie RD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Sep;54(3):347–8

The measurement of fetal movement using a strain–gauge transducer. Berger CS, et al. **IEEE Trans Biomed Eng** 1981 Nov;28(11):788–90

Physical principles of the displacement cardiograph including a new device sensitive to variations in torso resistivity. Wilson DL, et al. **IEEE Trans Biomed Eng** 1981 Oct; 28(10):702–10

Pseudomonas maltophilia bacteremia in children undergoing open heart surgery. Fisher MC, et al. **JAMA** 1981 Oct 2;246(14):1571–4

Microminiature transducers for biomedical applications. Harrison HB, et al. **Med Biol Eng Comput** 1981 May; 19(3):362–6

Improved capacitive transducer for animal movements. van den Steen L, et al. **Med Biol Eng Comput** 1981 Jul; 19(4):479–82

Construction and performance of an experimental phased array acoustic imaging transducer. Dias JF. **Ultrasonic Imaging** 1981 Oct;3(4):352–68

Design of ultrasonic transducers for local hyperthermia. Hynynen K, et al. **Ultrasound Med Biol** 1981;7(4):397–402

Surface pressure of ultrasound transducers evaluated by three–media–method. Kretz W, et al. **Ultrasound Med Biol** 1981;7(4):389–95

[Measurement of the passage of liquid through the reticular groove of the calf using thermotransducers (author's transl)] Paragon B, et al. **Ann Rech Vet** 1980;11(4):333–9 (Eng. Abstr.) **(Fre)**

[Computer–aided quality assurance of ultrasonic transducers for use in medical diagnostics (author's transl)] Lepper RD. **Biomed Tech (Berlin)** 1982 Jan–Feb;27(1–2):2–6 **(Ger)**

[Sonography of the testes with a new 5 MHz transducer (author's transl)] Stenzel I, et al. **Rontgenblatter** 1981 Aug; 34(8):291–3 (Eng. Abstr.) **(Ger)**

[Epidural measurement of intracranial pressure by a newly–developed pressure transducer (author's transl)] Ikeyama A, et al. **Iyodenshi To Seitai Kogaku** 1982 Feb; 20(1):1–7 (Eng. Abstr.) **(Jpn)**

[Development of a thoracic surface cardiac monitor using an optical fiber micro–potential transducer] Nakamura H. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):387–8 **(Jpn)**

[DRM-2 semiconductor transducer in clinical radiometry] Dranik VV, et al. **Med Radiol (Mosk)** 1981 Dec;26(12):52–4 (Eng. Abstr.) **(Rus)**

TRANSDUCERS, PRESSURE see under **TRANSDUCERS**

TRANSDUCTION, GENETIC

Selection of recA+ recombinant cosmids: an easy method for making recA strains temporarily Rec+, permitting P1-mediated transduction in a recA background and transduction of a recA mutation. Chippaux M, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1269–71

Hitchhiking transposons and other mobile genetic elements and site-specific recombination systems in Staphylococcus aureus. Novick RP, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:67–76

Cosmid DNA packaging in vivo. Feiss M, et al. **Gene** 1982 Feb;17(2):123–30

Improved generalized transducing bacteriophage for Caulobacter crescentus. Bender RA. **J Bacteriol** 1981 Nov; 148(2):734–5

P1 transduction mapping of the trg locus in rac+ and rac strains of Escherichia coli K-12. Bitner RM, et al. **J Bacteriol** 1982 Feb;149(2):529–33

Genetic elements novel for Corynebacterium diphtheriae: specialized transducing elements and transposons. Buck GA, et al. **J Bacteriol** 1981 Oct;148(1):143–52

Specialized transduction of the ilvD–thyB–ilvA region mediated by Bacillus subtilis bacteriophage SP beta. Fink PS, et al. **J Bacteriol** 1982 Jun;150(3):1274–9

Insertion of transposons through the major cotransduction gap of Escherichia coli K-12. Fouts KE, et al. **J Bacteriol** 1982 Jan;149(1):106–13

Defective specialized SP beta transducing bacteriophages of Bacillus subtilis that carry the sup-3 or sup-44 gene. Lipsky RH, et al. **J Bacteriol** 1981 Dec;148(3):1012–5

Insertion of bacteriophage SP beta into the citF gene of Bacillus subtilis and specialized transduction of the ilvBC-leu genes. Mackey CJ, et al. **J Bacteriol** 1982 Sep; 151(3):1222–9

Transfer of chimeric plasmids among Salmonella typhimurium strains by P22 transduction. Orbach MJ, et al. **J Bacteriol** 1982 Mar;149(3):985–94

Specialized transduction with lambda plac5: dependence on recB. Porter RD, et al. **J Bacteriol** 1982 Jun;150(3):1485–8

MP13, a generalized transducing bacteriophage for Bacillus megaterium. Vary PS, et al. **J Bacteriol** 1982 Mar; 149(3):1112–9

Molecular origin of transducing DNA in bacteriophage SPP1. de Lencastre H, et al. **J Gen Microbiol** 1981 Feb; 122(Pt 2):345–9

Characterization of bacteriophage j2 of Salmonella typhi as a generalized transducing phage closely related to coliphage P1. Mise K, et al. **J Gen Microbiol** 1981 Oct; 126(Pt 2):321–6

Genetic analysis of bacteriophage T4 transducing bacteriophages. Young KK, et al. **J Virol** 1982 Jan; 41(1):345–7

Transfer of Salmonella typhimurium and Klebsiella pneumoniae genes in E. coli K12 by mini-muduction. Lefebvre N, et al. **MGG** 1981;181(2):268–72

Study of the phenomenon of marker rescue in plasmid transformation and transduction of intact cells, protoplasts and different rec mutants of Bacillus subtilis. Prozorov AA, et al. **MGG** 1982;185(2):363–4

The influence of host DNA replication on the formation of infectious and transducing Mu-particles. Teifel J, et al. **MGG** 1981;184(2):308–11

Chi activity during transduction-associated recombination. Dower NA, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7033–7

Characterization of P1argF derivatives from Escherichia coli K12 transduction. II. Role of P1 in specialized transduction of argF. York MK, et al. **Virology** 1982 Jul 15;120(1):130–45

Transduction of amikacin, gentamicin and tobramycin resistance in Pseudomonas acruginosa with phage F 116 and AP 19, a new wildtype phage. Knothe H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):506–10

[Isolation and purification of Escherichia coli K12 genes involved in the biosynthesis of lysine] Richaud F, et al. **C R Seances Acad Sci [III]** 1981 Nov 9;293(9):507–12 (Eng. Abstr.) **(Fre)**

['Marker augmentation' phenomenon in the plasmid transformation and transduction of Bacillus subtilis] Bashkirov VI, et al. **Genetika (Moskva)** 1981;17(11):1929–35 (Eng. Abstr.) **(Rus)**

[Plasmid transformation and transduction in different rec-mutants of Bacillus subtilis] Bashkirov VI, et al. **Genetika (Moskva)** 1982 Mar;18(3):413–9 (Eng. Abstr.) **(Rus)**

[Transducing lambda phages with Escherichia coli genes] Mindlin SZ, et al. **Genetika (Moskva)** 1981;17(8):1351–89 (300 ref.) (Eng. Abstr.) **(Rus)**

[Plasmid SCP2 transfer by Streptomyces coelicolor A3(2) actinophages] Mkrtumian NM, et al. **Genetika (Moskva)** 1981;17(8):1398–405 (Eng. Abstr.) **(Rus)**

[Comparative characters of the transducing virulent streptococcal phages A25 and CA1] Totolian AA, et al. **Mol Biol (Mosk)** 1981 Jul–Aug;15(4):894–900 (Eng. Abstr.) **(Rus)**

TRANSFECTION

Long-term preservation of transfecting activity of avian sarcoma proviral DNA. Ogura H, et al. **Acta Med Okayama** 1981 Nov;35(5):377–9

DNA mediated gene transfer using simian virus 40 or polyoma virus morphological transformation as selective markers. Zouzias D, et al. **Arch Virol** 1981;70(3):291–5

Use of transfection to analyze genetic information and malignant transformation. Weinberg RA. **Biochim Biophys Acta** 1981 Aug 31;651(1):25–35 (85 ref.)

Inability to rescue viral genes from human cells biochemically transformed by herpes simplex virus type 2 DNA. Campione-Piccardo J, et al. **Can J Microbiol** 1981 Oct; 27(10):1123–8

The mouse metallothionein-I gene is transcriptionally regulated by cadmium following transfection into human or mouse cells. Mayo KE, et al. **Cell** 1982 May;29(1):99–108

Effects of prophages HPlcl & a defective prophage carried by Haemophilus influenza Rd on transfection by phage S2 DNA. Joshi VP, et al. **Indian J Exp Biol** 1981 Oct; 19(10):908–11

Transfection assay for deoxyribonucleases. Thomas G, et al. **Indian J Exp Biol** 1981 Jul;19(7):614–6

Small DNA-free liposomes stimulate transfection of streptomyces protoplasts. Rodicio MR, et al. **J Bacteriol** 1982 Sep;151(3):1078–85

Inability to transmit scrapie by transfection of mouse embryo cells in vitro. Borrás MT, et al. **J Gen Virol** 1982 Feb;58(Pt 2):263–71

Transfection with the isolated herpes simplex virus thymidine kinase genes. II. Evidence for amplification of viral and adjacent cellular DNA sequences. Reyes GR, et al. **J Gen Virol** 1982 Jun;60(Pt 2):209–24

Restriction and modification in Bacillus subtilis: effects on transfection under marker rescue conditions. Bron S, et al. **J Virol** 1982 May;42(2):357–64

Transfection of Escherichia coli spheroplasts with a bacteriophage Mu DNA–protein complex. Chase CD, et al. **J Virol** 1982 Apr;42(1):176–85

Transfection of fibroblasts by cloned Abelson murine leukemia virus DNA and recovery of transmissible virus by recombination with helper virus. Goff SP, et al. **J Virol** 1982 Jan;41(1):271–85

Expression of Epstein–Barr viral early antigen in monolayer tissue cultures after transfection with viral DNA and DNA fragments. Grogan E, et al. **J Virol** 1981 Dec;40(3):861–9

Second-step transfer of bacteriophage T5 DNA: purification and characterization of the T5 gene A2 protein. Snyder CE Jr, et al. **J Virol** 1981 Oct;40(1):248–57

Transfection of KB cells by liposomes containing adenovirus type 2 DNA. Straus SE, et al. **J Virol** 1981 Jul;39(1):290–4

Molecular cloning of the avian myelocytomatosis virus genome and recovery of infectious virus by transfection of chicken cells. Vennström B, et al. **J Virol** 1981 Aug; 39(2):625–31

A suggested mechanism for changing tumor cell phenotype: transfection of host cells with DNA sequences of dead tumor cells. Klein BY. **Med Hypotheses** 1981 May; 7(5):645–50

Rescue of SV40 following transfection of TC7 cells with cellular DNAs containing complete and partial SV40 genomes. Lipotich G, et al. **MGG** 1982;186(1):78–81

Introduction and expression of a fetal human globin gene in mouse fibroblasts. Hsiung N, et al. **Mol Cell Biol** 1982 Apr;2(4):401–11

Detection of genes coding for human differentiation markers by their transient expression after DNA transfer. Chang LJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):146–50

Efficient infection of monkey cells with DNA of simian virus 40. Sompayrac LM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7575–8

DNA mediated transfer and fate of a proviral gene of mouse mammary tumor virus in cultured cells. Hynes NE, et al. **Prog Clin Biol Res** 1982;85 Pt A:159–71

Efficient DNA transfection and rapid assay for thymidine kinase activity and viral antigenic determinants. Milman G, et al. **Somatic Cell Genet** 1981 Mar;7(2):161–70

Antigenicity and immunogenicity of hepatitis B virus particles produced by mouse cells transfected with cloned viral DNA. Pourcel C, et al. **Virology** 1982 Aug; 121(1):175–83

Isolation via transfection of feline leukemia viruses from DNA of naturally occurring feline lymphomas. Rosenberg ZF, et al. **Virology** 1981 Nov;115(1):203–10

[Escherichia coli characteristics in phage DNA transfection] Iasnova LN, et al. **Mikrobiologiia** 1982 Mar–Apr; 51(2):324–7 **(Rus)**

[Transfection of bacterial cells by DNA of phage M13 entrapped in phospholipid vesicles] Beliaev ND, et al. **Mol Biol (Mosk)** 1982 May–Jun;16(3):612–8 (Eng. Abstr.) **(Rus)**

[Transfection conditions for baculovirus DNA in an insect cell line] Oreshkin EN. **Vopr Virusol** 1982 Mar–Apr; 27(2):235–8 (Eng. Abstr.) **(Rus)**

[Formation of transfecting DNA in acute cellular infection with the tick-borne encephalitis virus mediated by an oncogenic virus] Suetina IA, et al. **Vopr Virusol** 1982 Jan–Feb;(1):45–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of magnesium of transfection and transformation in Bacillus subtilis. López P, et al. **Can J Microbiol** 1981 Oct;27(10):991–7

TRANSFER (PSYCHOLOGY)

Transfer effects in feature-positive and feature-negative learning by adult humans. Nallan GB, et al. **Am J Psychol** 1981 Sep;94(3):417–29

The persistence and transfer of voluntary hand-warming in natural and laboratory cold settings after 1 year. Hayduk AW. **Biofeedback Self Regul** 1982 Mar;7(1):49–52

The McCollough effect in children. Meyer GE, et al. **Child Dev** 1982 Jun;53(3):838–40

Transfer of training: an overlooked component of mainstreaming programs. Rose TL, et al. **Except Child** 1981 Oct;48(2):175–7

Teaching autistic children to use extra-stimulus prompts. Schreibman L, et al. **J Exp Child Psychol** 1982 Jun; 33(3):475–91

Perceptual processing strategies in the cross-modal transfer of form discrimination: a developmental study. Coté JJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1340–8

Negative transfer abolished by REM sleep deprivation in rats. Pearlman CA. **Physiol Behav** 1982 Jan;28(1):73–5

[Transfert, erotomania, delusional love during psychotherapy of psychoses] Deumié L. **Ann Med Psychol (Paris)** 1981 Mar;139(3):356–62 **(Fre)**

[Determining role of experience (memory) in the organization of the transfer phenomenon] Belenkov NIu, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):224–8 **(Rus)**

[Changes in the motor response threshold to direct electric stimulation of the motor cortex during elaboration of conditioned reflex switching-over] Davydova EK. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1141–8 (Eng. Abstr.) **(Rus)**

[Age and elaboration of conditioned reflex switching in dogs] Kassil' VG, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):925–32 (Eng. Abstr.) **(Rus)**

TRANSFER AGREEMENT

Triage and transfer: preparing for a strike. Meilicke D, et al. **Dimens Health Serv** 1981 Oct;58(10):30–1, 33–4

Practical guidelines for linkage between the CMHC and the state hospital. McRae J, et al. **Health Care Manage Rev** 1982 Spring;7(2):81–4

ECONOMICS

The 'dumping' dilemma: finding what's fair. Friedman E. **Hospitals** 1982 Sep 16;56(18):75, 77, 80 passim

The 'dumping' dilemma: The poor are always with some of us. Friedman E. **Hospitals** 1982 Sep 1;56(17):51–6 cont

TRANSFER FACTOR

Transfer factor: recent developments in the pursuit of an idea. Lawrence HS, et al. **Cell Immunol** 1981 Aug;62(2):301–8

ADMINISTRATION & DOSAGE

Oral retinoid in combination with bleomycin, cyclophosphamide, prednisone and transfer factor in mycosis fungoides. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):162–4

ANALYSIS

[Studies on the mechanisms of tuberculin hypersensitivity. II. Non-dialyzable transfer factor (author's transl)] Oyamaguchi A. **Kekkaku** 1982 Apr;57(4):225–32 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Modulation of cell-mediated responses with dialyzable leukocyte extract containing transfer factor. Klesius PH. **Adv Exp Med Biol** 1981;137:293–323 (155 ref.)

Immunotherapy with dialyzable leukocyte extracts and studies of their antigen-specific (transfer factor) activity. Fudenberg HH, et al. **Proc Virchow Pirquet Med Soc** 1980 Dec;34:3–87 (151 ref.)

Passive transfer of immunity to trichostrongyle species infections in sheep. Investigations of specificity and limitations of 'transfer factor' activity with Trichostrongylus axei infections. Ross JG, et al. **Vet Res Commun** 1981 Apr;4(4):287–90

PHARMACODYNAMICS

Dialyzable leukocyte extract stimulates cAMP in T gamma lymphocytes. Herlin T, et al. **Allergy** 1981 Jul;36(5):337–43

The influence of immunopotentiators on sucking piglets with special reference to the incidence of pig scour. Namioka S, et al. **Br Vet J** 1982 Mar–Apr;138(2):155–67

Transfer of Salmonella resistance and delayed hypersensitivity with murine-derived transfer factor. Smith RA, et al. **Infect Immun** 1982 Apr;36(1):271–6

Investigations of transfer factor activity in resistance to Trichostrongylus colubriformis infections in guinea-pigs. Ross JG, et al. **J Helminthol** 1982 Mar;56(1):27–35

Transfer factor (TFd). Part III. In vitro effects on the leucocyte migration inhibition. Markowicz S, et al. **Mater Med Pol** 1981 Apr–Jun;13(2):104–7

Modification of an experimental mouse Candida infection by

human dialyzable leukocyte extract. Sen P, et al. **Sabouraudia** 1982 Jun;20(2):85–93
[Augmentation of lymphocyte transformation by human dializable transfer factor and its target cell (author's transl)] Okada M. **Arerugi** 1982 Feb;31(2):69–80 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Treatment of Kaposi's varicelliform eruption wit adenine arabinoside (Vira-A) and transfer factor. Bjerring P, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):85–7
Transfer factor therapy in mycosis fungoides: a double-blind study. Thestrup-Pedersen K, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):47–53
A clinical and immunological study of the effects of transfer factor on multiple sclerosis patients. Lamoureux G, et al. **Clin Exp Immunol** 1981 Mar;43(3):557–64
Treatment of Mycobacterium fortuitum pulmonary infection with 'transfer factor' (TF): new methodology for evaluating TF potency and predicting clinical response. Wilson GB, et al. **Clin Immunol Immunopathol** 1982 May; 23(2):478–91
Transfer factor in the treatment of herpes simplex types 1 and 2. Khan A, et al. **Dermatologica** 1981;163(2):177–85
Cell mediated immunity in patients with Virchowian hanseniasis before and after treatment with transfer factor. Leser PG, et al. **Hansenol Int** 1980 Jun;5(1):3–27
A critical review of immunotherapy of disseminated renal adenocarcinoma. Montie JE, et al. **J Surg Oncol** 1982 Sep; 21(1):5–8
Transfer factor (TFd). Part IV. Transfer factor in mucocutaneous candidiasis treatment. Miksiewicz-Wasilewska H, et al. **Mater Med Pol** 1981 Apr-Jun;13(2):108–12
'Discoid' lupus erythematosus: dramatic clinical and immunological response to dialyzable leukocyte extract (transfer factor). Fudenberg HH, et al. **Trans Assoc Am Physicians** 1981;94:279–91
[The therapeutic effects of auto-transfer-factor and iRNA in lung cancer (author's transl)] Deng WW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):199–200 **(Chi)**
[The preliminary report of treating bronchial asthma with transfer factor (author's transl)] Fan ZQ. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):413–5 **(Chi)**
[The erythrocyte-rosette forming cell (E-RFC) count and results of treatment with transfer factor in herpes simplex keratitis (author's transl)] Xie LX. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):204–7 **(Chi)**
[Immunotherapy of leprosy (2nd report). Study on the therapy by means of injection of transfer factor (author's transl)] Okada S, et al. **Nippon Rai Gakkai Zasshi** 1980 Oct-Dec;49(4):190–6 (Eng. Abstr.) **(Jpn)**
[Immunologic products as immunomodulators] Sakiyama Y. **Nippon Rinsho** 1981 Apr;39(4):1914–20 (20 ref.) **(Jpn)**
[Transfer factor in diffuse cutaneous leishmaniasis. Experience with one case] dos Reis VL, et al. **Med Cutan Iber Lat Am** 1980;8(4–6):95–100 (Eng. Abstr.) **(Por)**
[Transfer factor in the treatment of laryngeal papillomatosis. Apropos of 2 cases treated at the Caracas University Hospital] Ortiz A, et al. **An Otorrinolaringol Ibero Am** 1981; 8(4):289–94 (Eng. Abstr.) **(Spa)**

TRANSFERASES

Specificity of ovine submaxillary-gland sialyltransferases. Application of high-pressure liquid chromatography in the identification of sialo-oligosaccharide products. Bergh ML, et al. **Biochem J** 1982 Feb 1;201(2):411–5
Subunit interactions of transcarboxylase as studied by circular dichroism. Hennessey JP Jr, et al. **Biochemistry** 1982 Feb 16;21(4):642–6

ANALYSIS

Isolation and characterization of a photoaffinity-labeled peptide from the catalytic site of prenyltransferase. Brems DN, et al. **Biochemistry** 1981 Jun 23;20(13):3711–8
Glycosyltransferases of the human cervical epithelium. II. Characterization of a CMP-N-acetylneuraminate: galactosyl-glycoprotein sialyltransferase. Scudder PR, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):136–41
Subcellular distribution of alkyl dihydroxyacetone phosphate synthase in rat liver. Shinojima K, et al. **Hokkaido Igaku Zasshi** 1981 May;56(3):309–17
Simultaneous assay of dihydroxyacetone synthase and transketolase in a methylotrophic yeast grown in continuous culture. A cautionary note. Lindley ND, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):253–9
Partial purification and characterization of lenticular S-adenosylmethionine synthetase. Ahmad SS, et al. **Ophthalmic Res** 1982 Jan-Feb;14(1):9–21

ANTAGONISTS & INHIBITORS

L-2-Amino-4-methoxy-cis-but-3-enoic acid, a potent inhibitor of the enzymatic synthesis of S-adenosylmethionine. Sufrin JR, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):251–5
Effects of inhibitors of spermidine and spermine synthesis on polyamine concentrations and growth of transformed mouse fibroblasts. Pegg AE, et al. **Biochem J** 1981 Jan 15;194(1):79–89
Inhibition of aminopropyltransferases by 5'-S-isobutyl-5'-deoxyadenosine in vitro. Hibasami H, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1649–50
Effects of defined synthetic phospholipids on glycosylation processes. Modifications of membrane-bound N-acetylglucosaminyl-transferase and solubilized sialyl-transferase activities. Bador H, et al. **Chem Biol Interact** 1982 Feb;38(3):275–85
Kinetic studies on inhibition of aminopropyltransferases by aurintricarboxylic acid in vitro. Hibasami H, et al. **Chem Biol Interact** 1982 Jul 1;40(3):319–23
Antitumor effect of dicyclohexylammonium sulfate, a potent inhibitor of spermidine, synthase. Hibasami H, et al. **Gan** 1981 Aug;72(4):512–6
Synthesis and evaluation of some stable multisubstrate adducts as specific inhibitors of spermidine synthase. Tang KC, et al. **J Med Chem** 1981 Nov;24(11):1277–84

BIOSYNTHESIS

[Glycoconjugate biosynthesis in the arterial wall. VIII. Separation of molecular types in microsomal sialyltransferase] Guidollet J, et al. **Paroi Arterielle** 1981; 7(3):91–6 (Eng. Abstr.) **(Fre)**
[Biosynthesis of glycoconjugates in the arterial wall. The role of derivatives of isoprenic pathways and of complex lipids in the glycolization of macromolecules of the intima media] Serres-Guillaumond M, et al. **Paroi Arterielle** 1981; 7(2):67–76 (Eng. Abstr.) **(Fre)**

BLOOD

Activities of enzymes that metabolize platelet-activating factor (1-Alkyl-2-acetyl-sn-glycero-3-phosphocholine) in neutrophils and eosinophils from humans and the effect of a calcium ionophore. Lee TC, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1303–8
Plasma sialyl transferase total and isoenzyme activity in the diagnosis of cancer of the colon. Griffiths J, et al. **Clin Biochem** 1982 Feb;15(1):46–8
Sialyltransferase activity as a marker for the differentiation of lymphocytes. Increase in sialyltransferase activity of blasts from acute lymphoblastic leukaemia cases by 12-o-tetradecanoylphorbol-13-acetate (TPA). Sasaki R, et al. **Clin Exp Immunol** 1982 Feb;47(2):381–8
Discrimination between activity of (alpha 2-3)-sialyltransferase and (alpha 2-6)-sialyltransferase in human platelets using p-nitrophenyl-beta-D-galactoside as acceptor. Bauvois B, et al. **Eur J Biochem** 1982 Jan; 121(3):567–72
Studies on sialyltransferase isoenzymes in plasma of patients with breast cancer. Kessel DH, et al. **Eur J Cancer Clin Oncol** 1981 Sep;17(9):1035–40
Serum-sialyltransferase activity in cancer patients. Berge PG, et al. **Klin Wochenschr** 1982 May 3;60(9):445–9 (28 ref.)
The use of con A Sepharose as an affinity adsorbent in a simple assay of serum sialyl and fucosyltransferase and its application in tumour diagnosis. Cervea E, et al. **Ups J Med Sci** 1981;86(3):237–47

GENETICS

The R gene product of bacteriophage lambda is the murein transglycosylase. Bienkowska-Szewczyk K, et al. **MGG** 1981;184(1):111–4

ISOLATION & PURIFICATION

Purification of spermidine synthase from rat ventral prostate by affinity chromatography on immobilized S-adenosyl(5')-3-thiopropylamine. Samejima K, et al. **Arch Biochem Biophys** 1982 Jun;216(1):213–22
Purification by affinity chromatography of the solubilized oligosaccharyltransferase from hen oviducts using a privileged secondary structure adopting peptide. Aubert JP, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1550–9
Immunological distinction of S-adenosylmethionine synthetase isozymes from rat liver and kidney. Abe T, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):1081–4
Purification and characterization of cytosolic and mitochondrial serine hydroxymethyltransferases from rat liver. Ogawa H, et al. **J Biochem (Tokyo)** 1981 Aug; 90(2):381–90
Alkyldihydroxyacetone-P synthase. Solubilization, partial purification, new assay method, and evidence for a ping-pong mechanism. Brown AJ, et al. **J Biol Chem** 1982 Aug 10;257(15):8835–9
Crystallization and partial characterization of dimethylallyl pyrophosphate: L-tryptophan dimethylallyltransferase from Claviceps sp. SD58. Cress WA, et al. **J Biol Chem** 1981 Nov 10;256(21):10917–23
Purification and characterization of chicken liver T-protein, a component of the glycine cleavage system. Okamura-Ikeda K, et al. **J Biol Chem** 1982 Jan 10; 257(1):135–9
[tRNA guanine transglycosylase and biosynthesis of Q nucleoside present in tRNA as a minor component (author's transl)] Okada N. **Seikagaku** 1982;54(2):79–94 (35 ref.) **(Jpn)**
[Dihydroxyacetone synthase from the methanol-utilizing yeast Candida boidinii] Bystrykh LV, et al. **Biokhimiia** 1981 Dec;46(12):2257–60 (Eng. Abstr.) **(Rus)**

METABOLISM

Familial Fanconi syndrome with malabsorption and galactose intolerance, normal kinase and transferase activity. A report on two siblings. Aperia G, et al. **Acta Paediatr Scand** 1981 Jul;70(4):527–33
Serine hydroxymethyltransferase. Schirch L. **Adv Enzymol** 1982;53:83–112 (91 ref.)
Control of human cervical mucin glycosylation by endogenous fucosyl and sialyltransferases. Scudder PR, et al. **Adv Exp Med Biol** 1982;144:265–7
Enzyme activities in the dog: tissue analyses, plasma values, and intracellular distribution. Keller P. **Am J Vet Res** 1981 Apr;42(4):575–82
A new fluorometric assay for spermidine synthase. Suzuki O, et al. **Anal Biochem** 1981 Jul 15;115(1):72–7
Actions of two types of thiaminase on thiamin and its analogues. Murata K. **Ann NY Acad Sci** 1982;378:146–56 (29 ref.)
Assay and properties of the enzyme catalyzing the biosynthesis of 1-O-alkyl dihydroxyacetone 3-phosphate. Davis PA, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):20–9
Contribution of substrates for phospholipid N methylation by the base exchange enzyme in rat brain microsomes. Kanfer JN. **Biochem Biophys Res Commun** 1982 May 31; 106(2):422–8
Effect of dimethylsulfoxide on two synthetic Asn-X-Thr containing substrates of the oligosaccharyltransferase. Ronin C, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):909–15
Bovine heart lectin stimulates beta-D-galactoside alpha 2 goes to 6 sialyltransferase of bovine colostrum. Scudder P, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):272–9
Role of propylamine transferases in hormone-induced stimulation of polyamine biosynthesis. Käpyaho K, et al. **Biochem J** 1980 Oct 15;192(1):59–63
Specificity of mammalian spermidine synthase and spermine synthase. Pegg AE, et al. **Biochem J** 1981 Aug 1; 197(2):315–20
Mutants of the cruciferous plant Arabidopsis thaliana lacking glycine decarboxylase activity. Somerville CR, et al. **Biochem J** 1982 Feb 15;202(2):373–80
Stabilization of the quaternary structure of transcarboxylase by cobalt (II) ions. Harmon FR, et al. **Biochemistry** 1982 Jun 8;21(12):2847–52
Interactions of pig liver serine hydroxymethyltransferase with methyltetrahydropteroylpolyglutamate inhibitors and with tetrahydropteroylpolyglutamate substrates. Matthews RG, et al. **Biochemistry** 1982 Mar 16;21(6):1230–8
Human liver prenyltransferase and its characterization. Barnard GF, et al. **Biochim Biophys Acta** 1981 Sep 15; 661(1):87–99
Specificity of porcine liver gal beta (1 leads to 3)galnac-r alpha(2 leads to 3) sialyltransferase sialylation of mucin-type acceptors and ganglioside GM1 in vitro. Bergh ML, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):161–9
Sialylation in vitro of purified human liver beta-D-N-acetylhexosaminidase. Joziasse DH, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):174–85
Constitutive behavior of methionyl-tRNA synthetase compared to repressible behavior of methionine adenosyltransferase in mammalian cells. Rubnitz JE, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):269–73
Glycolipid sialyltransferases in normal and neoplastic murine thymocytes. Saat YA, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):213–20
The role of serine hydroxymethyltransferase in cell proliferation: DNA synthesis from serine following mitogenic stimulation of lymphocytes. Eichler HG, et al. **Biosci Rep** 1981 Feb;1(2):101–6
Time-course studies on the effects of oestradiol administration on the activity of some folate-metabolizing enzymes in chicken liver. Burns RA, et al. **Comp Biochem Physiol [B]** 1982;71(3):351–5
Synthetic substrates for thyroid oligosaccharide transferase. Effects of peptide chain length and modifications in the Asn-Xaa-Thr-region. Ronin C, et al. **Eur J Biochem** 1981 Aug;118(1):159–64
Glycosyl transferases of baby-hamster-kidney (BHK) cells and ricin-resistant mutants. N-glycan biosynthesis. Vischer P, et al. **Eur J Biochem** 1981 Jul;117(2):275–84
Effects of low frequency electrical stimulation on enzyme and isozyme patterns of dystrophic mouse muscle. Reichmann H, et al. **FEBS Lett** 1981 Jun 1;128(1):55–8
Sialyltransferase, sialic acid and sialoglycoconjugates in metastatic tumor and human liver tissue. Alhadeff JA, et al. **Int J Biochem** 1982;14(2):119–26
S-adenosylmethionine synthetase isozymes in the liver of tumor-bearing mice. Abe T, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):571–4
Geranylgeranyl pyrophosphate synthetase lacking geranyl-transferring activity from Micrococcus luteus. Sagami H, et al. **J Biochem (Tokyo)** 1981 May;89(5):1573–80
Biosynthesis of menaquinones. Enzymatic prenylation of 1,4-dihydroxy-2-naphthoate by Micrococcus luteus membrane fractions. Saito Y, et al. **J Biochem (Tokyo)** 1981 May;89(5):1445–52
Farnesyl pyrophosphate synthetase from Bacillus subtilis. Takahashi I, et al. **J Biochem (Tokyo)** 1981 May;

89(5):1581–7
Glycosphingolipid biosynthesis through asialogangliosides in rat bone marrow cells. Taki T, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):665–74
The fate of the hydrogens of phosphoenolpyruvate in the reaction catalyzed by 5-enolpyruvylshikimate-3-phosphate synthase. Isotope effects and isotope exchange. Grimshaw CE, et al. **J Biol Chem** 1982 Jan 25;257(2):596–8
Isolation and characterization of an Escherichia coli mutant lacking tRNA-guanine transglycosylase. Function and biosynthesis of queuosine in tRNA. Noguchi S, et al. **J Biol Chem** 1982 Jun 10;257(11):6544–50
Biosynthesis in vitro of sialosylgalactosyldiacylglycerol by mouse brain microsomes. Pieringer J, et al. **J Biol Chem** 1981 Dec 10;256(23):12306–9
In vitro biosynthesis of the tetrasialoganglioside GQ1b. Yohe HC, et al. **J Biol Chem** 1982 Jan 10;257(1):249–52
Rapid assay of spermidine synthase activity for high-performance liquid chromatography. Porta R, et al. **J Chromatogr** 1981 Nov 13;226(1):208–12
The interrelation transketolase and dihydroxyacetone synthase activities in the methylotrophic yeast Candida boidinii. Waites MJ, et al. **J Gen Microbiol** 1981 Jun;124(Pt 2):309–16
Serine transhydroxymethylase activity in vertebrate retina. Dasgupta P, et al. **J Neurochem** 1982 Sep;39(3):743–6
Regional distribution of methionine adenosyltransferase in rat brain as measured by a rapid radiochemical method. Hiemke C, et al. **J Neurochem** 1981 Sep;37(3):613–8
Disposition of gangliosides and sialosylglycoproteins in neuronal membranes. Landa CA, et al. **J Neurochem** 1981 Oct;37(4):813–23
Possible role of the control of arginase and methionine adenosyl transferase in the transport processes of endogenous formaldehyde and in hypermethylation. Csiba A, et al. **Med Hypotheses** 1982 Apr;8(4):409–12
Synthesis of capsular polymers containing polysialic acid in Escherichia coli 07-K1. Troy FA, et al. **Methods Enzymol** 1982;83 Pt D:540–8
Sialosyltransferase activity and specificity in the biosynthesis in vitro of sialosylgalactosylceramide (GM4) and sialosyllactosylceramide (GM3) by rat astrocytes, neuronal perikarya, and oligodendroglia. Stoffyn A, et al. **Neurochem Res** 1981 Oct;6(10):1149–57
[Aggregation and separability of the shikimate pathway enzymes in yeasts] Bode R, et al. **Z Allg Mikrobiol** 1981; 21(6):417–22 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The role of sialyl transferase in the metabolism of transcobalamins. Nakamura M, et al. **Kobe J Med Sci** 1982 Feb;28(1):47–64

RADIATION EFFECTS

[Changes in the transaldolase activity in the liver, spleen and bone marrow of rats after total X-ray irradiation] Savitskiĭ IV, et al. **Ukr Biokhim Zh** 1982;54(1):79–82 (Eng. Abstr.) **(Rus)**

TRANSFERENCE (PSYCHOLOGY)

Accentuating the positive in adolescent patients. Paley MG. **Am J Psychoanal** 1981 Spring;41(1):51–5
Transference and countertransference in conjoint couple therapy: therapeutic and theoretical implications. Guttman HA. **Can J Psychiatry** 1982 Mar;27(2):92–7
Parent orientation and member-leader behavior: a measure of transference in groups. Burrows PB. **Int J Group Psychother** 1981 Apr;31(2):175–91
When groups merge: transference and countertransference issues. Mendelsohn R. **Int J Group Psychother** 1981 Apr; 31(2):139–51
The relevance of the 'here and now' transference interpretation for the reconstruction of early psychic development. Etchegoyen RH. **Int J Psychoanal** 1982; 63(1):65–75
Adolescent breakdown and the transference neurosis. Laufer M. **Int J Psychoanal** 1981;62(Pt 1):51–9
The relevance of the 'here and now' transference interpretation to the reconstruction of early development. Schafer R. **Int J Psychoanal** 1982;63(1):77–82
Early infantile development as reflected in the psychoanalytical process: steps in integration. Segal H. **Int J Psychoanal** 1982;63(1):15–22
The unobjectionable part of the transference. Stein MH. **J Am Psychoanal Assoc** 1981;29(4):869–92
A note on unwitting replication: quantitative studies of transference and resistance twenty years apart. Rawn ML. **J Clin Psychol** 1981 Oct;37(4):782–4
Transference and countertransference in group therapy settings. Witt J. **J Psychosoc Nurs Ment Health Serv** 1982 Feb;20(2):31–4
Transference, psychic reality, and countertransference. McLaughlin JT. **Psychoanal Q** 1981;50(4):639–64
The adolescent's use of the body in object relationships and in the transference. A comparison of borderline and narcissistic. Modes of functioning. Laufer ME. **Psychoanal Study Child** 1981;36:163–80
Analysis of transference. Volume I. Theory and technique. Gill MM. **Psychol Issues** 1982;(53):1–193
Analysis of transference. Volume II. Studies of nine audio-recorded psychoanalytic sessions. Gill MM, et al. **Psychol Issues** 1982;(54):1–234
[The psychoanalyst as a 'transference object' and as a 'real' person: 2 turning points of a therapeutic process] Hohage R. **Psyche (Stuttg)** 1981 Sep;35(9):822–5 **(Ger)**
[The problem of transference in psychosis in contrast to neurosis] Lang H. **Psyche (Stuttg)** 1981 Aug;35(8):705–17 (Eng. Abstr.) **(Ger)**

TRANSFERRIN

Distance between metal-binding sites in transferrin: energy transfer from bound terbium (III) to iron (III) or manganese (III). O'Hara P, et al. **Biochemistry** 1981 Aug 4; 20(16):4704–8
Siderophilin metal coordination. Difference ultraviolet spectroscopy of di-, tri-, and tetravalent metal ions with ethylenebis[(o-hydroxyphenyl)glycine]. Pecoraro VL, et al. **Biochemistry** 1981 Nov 24;20(24):7033–9
The EPR spectra of copper transferrin complexes at 2–4 GHZ. Froncisz W, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):55–8
Monoclonal cryoglobulin of IgG (lambda) type interacting with transferrin. Hilgard P, et al. **Blut** 1981 Oct; 43(4):217–25
Synthesis of indium-labeled antibody-chelate conjugates for radioassays. Gokce A, et al. **Int J Nucl Med Biol** 1982; 9(2):85–95
The relative stabilities of 67 Ga complexes of lactoferrin and transferrin at various pH's. Weiner RE, et al. **Int J Nucl Med Biol** 1981;8(4):371–8
Polynuclear iron compounds in human transferrin preparations. Smit S, et al. **J Inorg Biochem** 1981 Dec; 15(4):329–38
The complete amino acid sequence of human serum transferrin. MacGillivray RT, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2504–8

ANALOGS & DERIVATIVES

Subcellular distribution of human asialotransferrin type 3 in the rat liver. Debanne MT, et al. **J Biol Chem** 1981 Nov 10;256(21):11266–72
Dual nature of the hepatic lectin pathway for human asialotransferrin type 3 in the rat. Regoeczi E, et al. **J Biol Chem** 1982 May 25;257(10):5431–6
Receptor-rich intracellular membrane vesicles transporting asialotransferrin and insulin in liver. Debanne MT, et al. **Nature** 1982 Jul 22;298(5872):398–400
Partial resialylation of human asialotransferrin type 3 in the rat. Regoeczi E, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2226–30

ANALYSIS

The effect of severe zinc deficiency on serum levels of albumin, transferrin, and prealbumin in man. Bates J, et al. **Am J Clin Nutr** 1981 Sep;34(9):1655–60
Partial characterization of horse transferrin heterogeneity with respect to the atypical type, Tf C. Stratil A, et al. **Anim Blood Groups Biochem Genet** 1981;12(2):113–22
Estimation of the saturation of serum transferrin by an electrophoretic technique. Davy P, et al. **Ann Clin Biochem** 1982 Jan;19(Pt 1):57–9
Detection limits for protein after electrophoresis on cellulose acetate. Goodland FC. **Ann Clin Biochem** 1982 Mar;19(Pt 2):117–9
Determination of transferrin-like immunoreactivity in the mucosal homogenate of the duodenum, jejunum, and ileum of normal and iron deficient rats. Osterloh K, et al. **Blut** 1981 Oct;43(4):227–35
A sensitive and convenient assay procedure for transferrin and its application to the purification of mouse transferrin. Letendre ED, et al. **Can J Biochem** 1981 Nov–Dec; 59(11–12):906–10
Potential usefulness of serum prealbumin in total parenteral nutrition [letter] Douville P, et al. **Clin Chem** 1982 Jul; 28(7):1706–7
Influence of iron saturation as a possible source of error in the immunoturbidimetric determination of serum transferrin. Gebbink JA, et al. **Clin Chim Acta** 1982 May 6;121(1):117–22
Assays for transferrin and transferrin receptors in tumour and other mouse tissues. De Abrew S. **Int J Nucl Med Biol** 1981;8(4):217–21
The distribution of immunoglobulin and other plasma proteins in human reactive lymph nodes. Curran RC, et al. **J Pathol** 1982 Apr;136(4):307–32
Human melanoma-associated antigen p97 is structurally and functionally related to transferrin. Brown JP, et al. **Nature** 1982 Mar 11;296(5853):171–3
Hepatotoxicological studies of pyrazolone derivatives on rats. Part 3: Quantitative immunologic determination of serum concentration of transferrin, IgG, alpha 2-acute phase protein and VLDL. Schade R, et al. **Pharmazie** 1981 Sep; 36(9):636–8
Immunoassay for transferrin using LKB 8600 Reaction Rate Analyzer. Harmoinen A, et al. **Scand J Clin Lab Invest** 1981 Sep;41(5):517–9
Ratio of alpha-1-antitrypsin to transferrin in gingival fluid and in blood from patients with periodontal disease. Asman B, et al. **Scand J Dent Res** 1981 Oct;89(5):407–11
Prealbumin, transferrin and two serum proteinase inhibitors in healthy Bangkok preschool children. Changbumrung S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):606–7
Abnormal microheterogeneity of transferrin--a new maker of alcoholism? Stibler H, et al. **Subst Alcohol Actions Misuse** 1980;1(2):247–52
Determination of terminal sugars in transferrin by radio-lectin immunoassay (RLIA)-a new microanalytical procedure. Cervén C, et al. **Ups J Med Sci** 1981;86(1):39–53
[Study on specificity of change of csf transferrin in motor neuron diseases (author's transl)] Hirai T. **Rinsho Shinkeigaku** 1981 Jun;21(6):463–70 (Eng. Abstr.) **(Jpn)**
[Transferrin and ceruloplasmin levels in long-term occupational exposure to gasoline, tungsten, vanadium, cobalt and titanium] Misiewicz A. **Med Pr** 1981;32(4):241–5 **(Pol)**
[Improving the analytical procedures for the detection of alpha 1-antitrypsin deficiency in Polish industrial workers] Cwynar B, et al. **Pol Tyg Lek** 1981 Aug 3;36(31):1169–71 (Eng. Abstr.) **(Pol)**
[Quantitative determination of transferrin and haptoglobin by an immunochemical method of radial diffusion in agar] Levina AA, et al. **Probl Gematol Pereliv Krovi** 1982 Apr; 27(4):50–2 **(Rus)**
[Diagnostic value of determining ceruloplasmin and transferrin in various acute and chronic liver diseases] Dzhalalov AD, et al. **Ter Arkh** 1982;54(2):57–9 (Eng. Abstr.) **(Rus)**
[Comparative study of transferrin measurement and total iron binding capacity (author's transl)] Celada A, et al. **Sangre (Barc)** 1981;26(6):1073–82 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Ultrastructural localization of transferrin synthesis in rat hepatocytes during prenatal and postnatal development. Kraemer M, et al. **Cell Differ** 1981 Aug;10(4):211–7
Synthesis of secretory proteins in developing mouse yolk sac. Janzen RG, et al. **Dev Biol** 1982 Mar;90(1):18–23
Effects of hexamethylene bisacetamide on alpha-fetoprotein, albumin, and transferrin production by two rat hepatoma cell lines. Hughes EH, et al. **In Vitro** 1982 Feb;18(2):157–64
Involvement of free ribosomes in the early stage of secretory protein biosynthesis in rat liver. Oda T, et al. **J Biochem (Tokyo)** 1981 May;89(5):1547–54
Effect of reduced atmospheric pressure and fasting on transferrin synthesis in the rat. Gardiner ME, et al. **Life Sci** 1981 Oct 19;29(16):1641–8
[Properties of rat liver polyribosomes synthesizing transferrin] Gaitskhoki VS, et al. **Biokhimiia** 1981 Aug; 46(8):1426–34 (Eng. Abstr.) **(Rus)**
[Biosynthesis and post-translational maturation of transferrin in subcellular fractions of rat liver] Gaitskhoki VS, et al. **Biokhimiia** 1982 Jan;47(1):13–8 (Eng. Abstr.) **(Rus)**

BLOOD

Concentration of serum transferrin in sick horses and its relationship to serum albumin content. Ek N. **Acta Vet Scand** 1981;22(2):260–71
The effects of derangement of cell membrane structure and inhibitors on transferrin and iron uptake by reticulocytes. Loh TT. **Clin Exp Pharmacol Physiol** 1982 Jan–Feb; 9(1):11–20
Serum ferritin, transferrin, haptoglobin, and iron in middle- and long-distance runners, elite rowers, and professional racing cyclists. Dufaux B, et al. **Int J Sports Med** 1981 Feb;2(1):43–6
Enzyme enhanced luminescence immunoassay for the determination of transferrin concentrations in serum. Fricke H, et al. **J Clin Chem Clin Biochem** 1982 Feb;20(2):91–4

CEREBROSPINAL FLUID

The cerebrospinal fluid tau-transferrin. Isoelectric focusing study on 674 neurological patients. Rocchelli B, et al. **Ital J Neurol Sci** 1980 Oct;1(4):251–5

DEFICIENCY

[Replacement therapy for a patient with congenital atransferrinemia--therapeutic effect of apotansferrin (author's transl)] Kawakami T, et al. **Rinsho Ketsueki** 1981 Nov;22(11):1708–13 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

The effects of differing gallium-transferrin-anion complexes on the tumor uptake of gallium-67. Terner UK, et al. **Int J Nucl Med Biol** 1981;8(4):357–62
Determination of bone blood supply with Tc-99m red blood cells and In-113m transferrin in fractures of femoral neck: concise communication. Kempi V, et al. **J Nucl Med** 1982 May;23(5):400–3

GENETICS

Genetic studies on Vysyas of Andhra Pradesh, S. India: A1A2BO, Rh (O) D, transferrin, group specific component, haptoglobin and pseudocholinesterase types. Gopalam KB, et al. **Acta Anthropogenet** 1981;5(3):175–80
Antigen-antibody crossed electrophoretic studies and quantitative comparisons of serum transferrin types in horses. Ek N. **Acta Vet Scand** 1981;22(2):246–59
Genetic control and population survey of transferrin in the

Japanese quail. Ito S, et al.
Anim Blood Groups Biochem Genet 1981;12(2):145–7
Frequencies of transferrin types in various breeds of domestic dogs. Juneja RK, et al.
Anim Blood Groups Biochem Genet 1981;12(2):79–88
A new serum transferrin phenotype observed in Japanese Black cattle. Tsuji S, et al.
Anim Blood Groups Biochem Genet 1981;12(4):299–305
Geographic and ethnic distribution of genetic markers in India. 1. Haptoglobin and transferrin polymorphisms. Bhasin MK, et al. **Anthropol Anz** 1981 Feb;39(1):36–60 (63 ref.)
Distribution of some genetic traits in three populations from Punjab, North India. Kaur H, et al. **Anthropol Anz** 1981 Feb;39(1):66–9
Genetic studies among Ramgarhias and Ramdasias of Punjab, North India. Schajpal PK, et al. **Anthropol Anz** 1981 Feb; 39(1):61–5
Distribution of transferrin alleles in a population of Polish Merino sheep in the region of lower Silesia. Chudoba K, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):461–4
Studies on transferrins of blood serum as selection criteria for animals in breeding herds. Chudoba K, et al.
Arch Immunol Ther Exp (Warsz) 1981;29(4):465–73
Glycan uniformity within molecular variants of transferrin with distinct affinity for concanavalin A. Kerckaert JP, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1023–30
Is transferrin normal in idiopathic haemochromatosis? Jenkins T, et al. **Br J Haematol** 1982 Jul;51(3):493–5
Selection and the transferrin polymorphism in rhesus monkeys (Macaca mulatta). Smith DG, et al.
Folia Primatol (Basel) 1982;37(1–2):127–36
Transferrin (Tf) polymorphism: an analysis by isoelectric focusing. Sebetan IM, et al. **Forensic Sci Int** 1982 May–Jun; 19(3):281–6
Genetic polymorphism of the vitamin d-binding protein and a pre-transferrin in chicken plasma. Juneja RK, et al.
Hereditas 1982;96(1):89–96
Transferrin (Tf) subtyping on agarose: a new technique for isoelectric focusing. Dykes D, et al. **Hum Genet** 1981; 59(4):365–6
Transferrin C subtyping in Malaysians and in Indonesians from North Sumatra. Tan SG, et al. **Hum Genet** 1982; 60(4):369–70
A transferrin variant in a kindred with cystic fibrosis. Bowman BH, et al. **Hum Hered** 1981;31(4):248–51
Quantitative difference in the new allele transferrin DGond found in the Raj Gond tribal population of Andhra Pradesh (S. India). Goud JD. **Hum Hered** 1981;31(4):259–60
Linkage analysis of the transferrin, albumin, and hemoglobin loci in leopard frogs. Dunlap DG. **J Hered** 1982 May–Jun; 73(3):247–8
Iron binding and transferrin polymorphism in Rhesus monkeys (Macaca mulatta). Smith DG. **Lab Anim Sci** 1982 Apr;32(2):153–6
[Studies on polymorphisms of blood proteins in Chinese populations. II. Study on polymorphism of serum transferrin in Chinese (author's transl)] Ying QL, et al.
Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao 1981 Mar; 3(1):1–5 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Dependence of diffusion coefficients and immunoprecipitating titers on pH: human serum transferrin, immunoglobulin A, human chorionic somatomammotropin, and their rabbit antibodies. Zadro R, et al.
Anal Biochem 1981 Nov 1;117(2):238–44
Release of iron by resident and stimulated mouse peritoneal macrophages following ingestion and degradation of transferrin–antitransferrin immune complexes. Esparza I, et al. **Br J Haematol** 1981 Dec;49(4):603–14
Monoclonal antibodies against transferrin. Precipitating mixtures and lack of inter-species cross-reactivity. Bártek J, et al. **Immunol Lett** 1982 May;4(5):231–5
Unfolded transferrin polypeptide chain is immunologically crossreactive with similar derivatives of serum albumin and alpha-fetoprotein. Pekkala-Flagan A, et al. **J Immunol** 1982 Mar;128(3):1163–7
Production of autoantibodies by immunization with rabbit transferrin modified at its glycosidic moiety. Barsoum AL, et al. **Mol Immunol** 1981 May;18(5):367–72
[The antigen structure of human serum transferrin] Karl M.
Folia Haematol (Leipz) 1981;108(3):412–27 (96 ref.) (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Intracellular precursor forms of transferrin, alpha1-acid glycoprotein, and alpha 1-antitrypsin in human liver. Schreiber G, et al. **Arch Biochem Biophys** 1981 Dec; 212(2):319–28
The heterogeneity of human serum transferrin and human transferrin preparations on isoelectric focusing gels: no functional difference of the fractions in vitro. van Eijk HG, et al. **Clin Chim Acta** 1982 May 20;121(2):209–16
[Purification and partial characterization of rat serum transferrin (author's transl)] Yamada K.
Nippon Ika Daigaku Zasshi 1981 Apr;48(2):224–47 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of iron saturation on transferrin uptake by reticulocytes. A morphological study. Baker E, et al.
Acta Haematol (Basel) 1982;67(1):39–48
Evidence of a reduced sialic acid content in serum transferrin in male alcoholics. Stibler H, et al. **Alcoholism (NY)** 1981 Fall;5(4):545–9
Recent findings concerning serum iron, the iron binding capacity of serum, and transferrin saturation suggested terminology Vernet-Nyssen M. **Ann Biol Clin (Paris)** 1981; 39(5):301–7 **(Eng, Fre)**
Transferrin and iron uptake by human lymphoblastoid and K-562 cells. Schulman HM, et al.
Biochem Biophys Res Commun 1981 Jun;100(4):1523–30
The influence of pH on the equilibrium distribution of iron between the metal-binding sites of human transferrin. Chasteen ND, et al. **Biochem J** 1981 Mar 1;193(3):717–27
A variant of human transferrin with abnormal properties. Evans RW, et al. **Biochem J** 1982 Jan 1;201(1):19–26
The effect of salt concentration on the iron-binding properties of human transferrin. Williams J, et al.
Biochem J 1982 Mar 1;201(3):527–32
Chemical, but not functional, differences between the iron-binding sites of rabbit transferrin. Delaney TA, et al.
Biochim Biophys Acta 1982 Mar 4;701(3):295–304
Transferrin receptors and iron uptake during erythroid cell development. Iacopetta BJ, et al. **Biochim Biophys Acta** 1982 May 7;687(2):204–10
Iron transfer form transferrin to ferritin mediated by polyphosphate compounds. Konopka K, et al.
Biochim Biophys Acta 1981 Nov 5;677(3–4):417–23
Biphasic uptake of iron-transferrin complex by L1210 murine leukemia cells and rat reticulocytes. Takahashi K, et al.
Biochim Biophys Acta 1982 Feb 8;685(1):6–12
A monoclonal antibody that detects expression of transferrin receptor in human erythroid precursor cells. Lebman D, et al. **Blood** 1982 Mar;59(3):671–8
Molecular ferrokinetics in the rabbit. Groen R, et al.
Br J Haematol 1982 Jan;50(1):43–53
Transferrin in the rat prostate Dunning tumor. Wilson EM, et al. **Cancer Res** 1982 Jan;42(1):243–51
Use of transferrin as a gene-carrier to the erythroid cells of the marrow. Stavridis JC, et al. **Cell Mol Biol** 1982; 28(1):15–8
Serum iron and total iron-binding capacity as measured radiometrically [letter] Seamonds B, et al. **Clin Chem** 1981 Nov;27(11):1946–7
Plasma transferrin and the relation to iron status in patients with chronic uremia. Milman N. **Clin Nephrol** 1981 Dec; 16(6):314–20
Comparative aspects of transferrin-reticulocyte interactions: membrane receptors and iron uptake. van Bockxmeer FM, et al. **Comp Biochem Physiol [A]** 1982;71(2):211–8
The location and synthesis of transferrin in mouse embryos and teratocarcinoma cells. Adamson ED. **Dev Biol** 1982 Jun;91(2):227–34
Studies on the mechanism of pyrophosphate-mediated uptake of iron from transferrin by isolated rat-liver mitochondria. Konopka K, et al. **Eur J Biochem** 1981 Jul;117(2):239–44
Comparative study of the iron-binding properties of transferrins. Differences in the involvement of histidine residues as revealed by carbethoxylation. Mazurier J, et al. **Eur J Biochem** 1981 Oct;119(3):537–43
Transferrin uptake by cultured rat embryo fibroblasts. The influence of lysosomotropic agents, iron chelators and colchicine on the uptake of iron and transferrin. Octave JN, et al. **Eur J Biochem** 1982 Apr 1;123(2):235–40
Transferrin protein and iron uptake by isolated rat erythroblasts. Octave JN, et al. **FEBS Lett** 1982 Jan 11; 137(1):119–23
Ability of Neisseria gonorrhoeae, Neisseria meningitidis, and commensal Neisseria species to obtain iron from transferrin and iron compounds. Mickelsen PA, et al.
Infect Immun 1981 Aug;33(2):555–64
Expression of a high-affinity mechanism for acquisition of transferrin iron by Neisseria meningitidis. Simonson C, et al. **Infect Immun** 1982 Apr;36(1):107–13
Demonstration of the transferrin receptor in human breast cancer tissue. Potential marker for identifying dividing cells. Shindelman JE, et al. **Int J Cancer** 1981 Mar 15; 27(3):329–34
Peptide and protein complexes of transition metals as modulators of cellular replication. Fernandez-Pol JA.
Int J Nucl Med Biol 1981;8(4):231–5
The role of transferrins in gallium uptake. Larson SM, et al. **Int J Nucl Med Biol** 1981;8(4):257–66
Comparative pharmacokinetics of 67 Ga and 59 Fe in humans. Logan KJ, et al. **Int J Nucl Med Biol** 1981; 8(4):271–6
Alterations of gallium-67 uptake in tumors by cis-platinum. Noujaim AA, et al. **Int J Nucl Med Biol** 1981;8(4):289–93
Relationships between the metabolism of 67 Ga and iron. Sephton R. **Int J Nucl Med Biol** 1981;8(4):323–31
Studies on the uptake of 67 Ga and 59 Fe and the binding of transferrin by cultured mouse tumour cells. Sephton RG, et al. **Int J Nucl Med Biol** 1981;8(4):333–9
The mechanism of tumor localization of gallium-67 citrate: role of transferrin binding and effect of tumor pH. Vallabhajosula SR, et al. **Int J Nucl Med Biol** 1981; 8(4):363–70
Serum protein levels in critically ill surgical patients. Bradley JA, et al. **Intensive Care Med** 1981;7(6):291–5
Iron transfer between the purple phosphatase uteroferrin and transferrin and its possible role in iron metabolism of the fetal pig. Buhi WC, et al. **J Biol Chem** 1982 Feb 25; 257(4):1712–23
The exchange of Fe3+ between acetohydroxamic acid and transferrin. Spectrophotometric evidence for a mixed ligand complex. Cowart RE, et al. **J Biol Chem** 1982 Jul 10;257(13):7560–5
Physical characterization of the transferrin receptor in human placentae. Enns CA, et al. **J Biol Chem** 1981 Oct 10; 256(19):9820–3
Similarities between the transferrin receptor proteins on human reticulocytes and human placentae. Enns CA, et al. **J Biol Chem** 1981 Dec 25;256(24):12620–3
The formation of Fe3+–transferrin–CO3(2–) via the binding and oxidation of Fe2+. Kojima N, et al. **J Biol Chem** 1981 Dec 10;256(23):12034–9
Structural features of the cell surface receptor for transferrin that is recognized by the monoclonal antibody OKT9. Schneider C, et al. **J Biol Chem** 1982 Jul 25;257(14):8516–22
Effects of Fe3+ binding on the microenvironments of individual amino groups in human serum transferrin as determined by differential kinetic labeling. Shewale JG, et al. **J Biol Chem** 1982 Aug 25;257(16):9406–15
Regulation of HeLa cell transferrin receptors. Ward JH, et al. **J Biol Chem** 1982 Sep 10;257(17):10317–23
Studies of the transferrin receptor on both human reticulocytes and nucleated human cells in culture: comparison of factors regulating receptor density. Frazier JL, et al. **J Clin Invest** 1982 Apr;69(4):853–65
Examination of different preparations of human placental plasma membrane for the binding of insulin, transferrin and immunoglobulins. Davies M, et al. **J Reprod Fertil** 1981 Nov;63(2):315–24
The uptake of (131)I-labelled transferrin in tumor and liver tissue influenced by methodical variables. Aulbert E.
Naturwissenschaften 1981 Apr;68(4):212–3
In vivo distribution of carrier protein/67Ga-complexes. Anghileri LJ, et al. **Nuklearmedizin** 1982 Feb;21(1):8–11
Xanthine oxidase in intestinal mucosa promotes incorporation of iron into transferrin. **Nutr Rev** 1981 May;39(5):222–3
Plasma variation of transferrin-iron and phosvitin-iron during the laying period in chicken hens. Lopez-Berjes MA, et al. **Poult Sci** 1981 Aug;60(8):1951–6
Human transferrin receptor: expression of the receptor is assigned to chromosome 3. Enns CA, et al.
Proc Natl Acad Sci USA 1982 May;79(10):3241–5
Coated vesicles from human placenta carry ferritin, transferrin, and immunoglobulin G. Pearse BM.
Proc Natl Acad Sci USA 1982 Jan;79(2):451–5
Ubiquitous cell-surface glycoprotein on tumor cells is proliferation-associated receptor for transferrin. Sutherland R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4515–9
Monoclonal antibody to transferrin receptor blocks transferrin binding and inhibits human tumor cell growth in vitro. Trowbridge IS, et al.
Proc Natl Acad Sci USA 1982 Feb;79(4):1175–9
Transferrin endocytosis in reticulocytes: an electron microscope study using colloidal gold. Light A, et al.
Scand J Haematol 1982 Mar;28(3):205–14
Transferrin binding to the membranes of lactating rabbit mammary gland. Iron transfer from membranes to lactoferrin. Moutafchiev DA, et al. **Z Med Lab Diagn** 1981; 22(5):264–71
[Studies on free erythrocyte protoporphyrin –observations on free erythrocyte protoporphyrin, plasma iron and transfer in saturation in patients with iron deficiency anemia (author's transl)] Chen JX.
Chung Hua Nei Ko Tsa Chih 1980 Nov;19(6):449–52 **(Chi)**
[Radioisotope evaluation of ascitic volume and the passage of ascitic fluid proteins into the circulation by intravenous reinjection of concentrated ascitic fluid] Davchev P, et al.
God Zb Med Fak Skopje 1979 Jan;25:253–9 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Specific enhancement of mouse CFU-E by mouse transferrin. Rich IN, et al. **Br J Haematol** 1981 Dec;49(4):567–73
Organogenesis in a defined medium supplemented with transferrin. Ekblom P, et al. **Cell Differ** 1981 Nov; 10(5):281–8
Growth of dissociated rat cerebellar cells using serum-free supplemented media and varied transferrin concentrations. Messer A, et al. **Cell Mol Neurobiol** 1981 Mar;1(1):99–114
Role of iron in transferrin-dependent lymphocyte mitogenesis in serum-free medium. Novogrodsky A, et al.
Exp Cell Res 1982 Jun;139(2):419–22
Enhancement of Neisseria meningitidis infection in mice by addition of iron bound to transferrin. Holbein BE.
Infect Immun 1981 Oct;34(1):120–5
Human serum-free mixed lymphocytes response: the stereospecific effect of insulin and its potentiation by transferrin. Strom TB, et al. **J Immunol** 1982 Apr; 128(4):1555–9

THERAPEUTIC USE

[Replacement therapy for a patient with congenital atransferrinemia--therapeutic effect of apotansferrin (author's transl)] Kawakami T, et al. **Rinsho Ketsueki** 1981 Nov;22(11):1708–13 (Eng. Abstr.) **(Jpn)**

TRANSFORMATION, BACTERIAL

Transferable drug resistance in Pseudomonas patients with premature rupture of membranes in Ile-Ife, Nigeria. Sogbanmu MO, et al. **Afr J Med Med Sci** 1980 Mar-Jun; 9(1-2):49-51

Rapid identification of Escherichia coli transformed by pBR322 carrying inserts at the PstI Site. Boyko WL, et al. **Anal Biochem** 1982 May 1;122(1):85-8

Genetic transfer of markers for sorbitol (D-glucitol) metabolism in oral streptococci. Westergren G, et al. **Arch Oral Biol** 1981;26(5):403-7

Transformation of Pseudomonas syringae with nonconjugative R plasmids. Gross DC, et al. **Can J Microbiol** 1981 Aug;27(8):759-65

A plasmid cloning vector for the direct selection of strains carrying recombinant plasmids. Dean D. **Gene** 1981 Oct; 15(1):99-102

Genetic transformation of Rhizobium meliloti by plasmid DNA. Selvaraj G, et al. **Gene** 1981 Nov;15(2-3):279-83

Site-specific recA-independent recombination (fusion) of pMB8-related replicons in Escherichia coli in the region of the replication origins. Tomilin NV, et al. **Gene** 1982 Jan;17(1):65-73

Transfer of R plasmid from Staphylococcus aureus to Escherichia coli & Vibrio cholerae. Chakrabarty AN, et al. **Indian J Exp Biol** 1981 Jun;19(6):511-5

Transfer of R plasmid from Klebsiella pneumoniae RK1 to enterobacteria and Staphylococcus aureus. Chakrabarty AN, et al. **Indian J Med Res** 1981 Oct;74:495-505

Plasmid-mediated transformation of Streptococcus mutans. Kuramitsu HK, et al. **Infect Immun** 1982 Apr;36(1):435-6

Genetic transformation in Staphylococcus aureus: isolation and characterization of a competence-conferring factor from bacteriophage 80 alpha lysates. Birmingham VA, et al. **J Bacteriol** 1981 Oct;148(1):301-7

Marker rescue by a homologous recipient plasmid during transformation of gonococci by a hybrid Pcr plasmid. Biswas GD, et al. **J Bacteriol** 1982 Jul;151(1):77-82

Genetic transformation of Rhizobium leguminosarum by plasmid DNA. Ballerjahn GS, et al. **J Bacteriol** 1982 Apr; 150(1):421-4

Haemophilus influenzae polypeptides involved in deoxyribonucleic acid uptake detected by cellular surface protein iodination. Concino MF, et al. **J Bacteriol** 1981 Oct;148(1):220-31

Transformation of Saccharomyces cerevisiae with linear DNA killer plasmids from Kluyveromyces lactis. Gunge N, et al. **J Bacteriol** 1982 Jul;151(1):462-4

Transformation of Bacillus stearothermophilus with plasmid DNA and characterization of shuttle vector plasmids between Bacillus stearothermophilus and Bacillus subtilis. Imanaka T, et al. **J Bacteriol** 1982 Mar;149(3):824-30

Uptake and fate of bacteriophage phi W-14 DNA in competent Bacillus subtilis. Lopez P, et al. **J Bacteriol** 1982 Feb;149(2):595-605

Facilitation of plasmid transfer in Streptococcus pneumoniae by chromosomal homology. Lopez P, et al. **J Bacteriol** 1982 May;150(2):692-701

Transformation of Haemophilus influenzae by plasmid RSF0885. Notani NK, et al. **J Bacteriol** 1981 Dec; 148(3):812-6

Exonuclease activity from Pseudomonas aeruginosa which is missing in phenotypically restrictionless mutants. Potter AA, et al. **J Bacteriol** 1982 Sep;151(3):1204-9

Transformation of Haemophilus influenzae by plasmid RSF0885 containing a cloned segment of chromosomal deoxyribonucleic acid. Setlow JK, et al. **J Bacteriol** 1981 Dec;148(3):804-11

Resident enhanced repair: novel repair process action on plasmid DNA transformed into Escherichia coli K-12. Strike P, et al. **J Bacteriol** 1982 Apr;150(1):385-8

Addition, deletion, and substitution of long nonhomologous deoxyribonucleic acid segments by genetic transformation of Haemophilus influenzae. Stuy JH, et al. **J Bacteriol** 1981 Nov;148(2):565-71

Genetic transformation in Staphylococcus aureus: demonstration of a competence-conferring factor of bacteriophage origin in bacteriophage 80 alpha lysates. Thompson NE, et al. **J Bacteriol** 1981 Oct;148(1):294-300

Role of proton motive force in genetic transformation of Bacillus subtilis. van Nieuwenhoven MH, et al. **J Bacteriol** 1982 Aug;151(2):771-6

Transforming activity of mercury-substituted DNA synthesized in vitro by permeable cells of Bacillus subtilis. Bhattacharya S, et al. **J Biol Chem** 1982 Feb 25; 257(4):1610-2

Laboratory diagnosis of gonococcal infection by genetic transformation. Butler LO, et al. **J Clin Microbiol** 1982 May;15(5):810-4

The use of M1 medium in transformation of Streptococcus pneumoniae. Grist RW, et al. **J Gen Microbiol** 1981 Nov; 127, pt 1:147-54

Haemophilus influenzae and Neisseria gonorrhoeae recognize different specificity determinants in the DNA uptake step of genetic transformation. Mathis LS, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1159-61

Diagnosis of gonorrhea using a genetic transformation test on mailed clinical specimens. Jaffe HW, et al. **J Infect Dis** 1982 Aug;146(2):275-9

High-frequency elimination of SP02 prophage from Bacillus subtilis by plasmid transformation. Marrero R, et al. **J Virol** 1981 Jul;39(1):318-20

Plasmid transformation in Bacillus subtilis. The significance of partial homology between plasmid and recipient cell DNAs. Bensi G, et al. **MGG** 1981;184(3):400-4

The effect of both homologous and heterologous DNA on integration efficiencies in pneumococcal transformation. Butler LO, et al. **MGG** 1981;184(1):140-6

Plasmid transformation in Bacillus subtilis. Alterations introduced into the recipient-homologous DNA of hybrid plasmids can be corrected in transformation. Iglesias A, et al. **MGG** 1981;184(3):405-9

Relation between the transforming activity of a marker and its proximity to the end of the DNA particle. Lataste H, et al. **MGG** 1981;183(1):199-201

Expression of streptococcal plasmid-determined resistance to erythromycin and lincomycin in Escherichia coli. Malke H, et al. **MGG** 1981;184(2):283-5

Transformation of Streptococcus sanguis (Challis) by linear plasmid molecules. Malke H, et al. **MGG** 1982;185(3):502-5

Group H streptococcal bacteriocins having no relation to bacterial transformation. Ito T. **Microbiol Immunol** 1982; 26(2):93-105

A synergistic increase in Bacillus subtilis 168 transformation produced by the presence of heterologous W23 DNA. Heard JT Jr, et al. **Microbios** 1981;31(123):31-8

Near-ultraviolet mutation of transforming DNA irradiated in vivo. Cabrera-Juárez E, et al. **Mutat Res** 1981 Oct; 83(3):301-6

Mutagenesis during transformation of Bacillus subtilis. I. An increase in 'selfing' resulting from hybrid donor DNAs. Rudner R. **Mutat Res** 1981 Oct;83(3):321-37

Mutagenesis during transformation of Bacillus subtilis. II. An increase in chemically-induced mutations during competency. Rudner R. **Mutat Res** 1981 Oct;83(3):339-47

Compatibility and molecular properties of plasmid Rms 149 in Pseudomonas aeruginosa and Escherichia coli. Hedges RW, et al. **Plasmid** 1980 Jan;3(1):1-6

Construction of DNA recognition sites active in Haemophilus transformation. Danner DB, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2393-7

Transforming principle of the pneumococcus: Rosetta Stone to the new biology. Atchley WA. **Trans Am Clin Climatol Assoc** 1981;93:22-31

[Induction of Escherichia coli K-12 mutants with an increased efficiency of plasmid transformation] Likhacheva NA, et al. **Biull Eksp Biol Med** 1982 May;93(5):81-2 (Eng. Abstr.) **(Rus)**

[Plasmid transformation of Bacillus thuringiensis protoplasts] Azizbekian RR, et al. **Dokl Akad Nauk SSSR** 1982; 262(1):226-8 **(Rus)**

['Marker augmentation' phenomenon in the plasmid transformation and transduction of Bacillus subtilis] Bashkirov VI, et al. **Genetika (Moskva)** 1981;17(11):1929-35 (Eng. Abstr.) **(Rus)**

[Plasmid transformation and transduction in different rec-mutants of Bacillus subtilis] Bashkirov VI, et al. **Genetika (Moskva)** 1982 Mar;18(3):413-9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of magnesium of transfection and transformation in Bacillus subtilis. López P, et al. **Can J Microbiol** 1981 Oct;27(10):991-7

[In vivo restriction of Escherichia coli-transforming DNA by endonuclease R.M.EcoRI] Aleshkin GI, et al. **Genetika (Moskva)** 1981;17(7):1205-10 (Eng. Abstr.) **(Rus)**

[Comparative study of chromosome and plasmid transformation in Bacillus subtilis: the effect of lysozyme and polyethylene glycol] Glumova EF, et al. **Genetika (Moskva)** 1981;17(9):1581-7 (Eng. Abstr.) **(Rus)**

[In vitro repair of gamma-irradiated transforming Bacillus subtilis DNA by extracts of blue-green algae] Shevchenko TN, et al. **Genetika (Moskva)** 1982 Apr;18(4):551-4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Repair of ultraviolet-damaged transforming DNA in a mismatch repair-deficient strain of Haemophilus influenzae. Bagci H, et al. **Photochem Photobiol** 1982 Mar;35(3):331-5

Ultraviolet sensitivity of the addition, deletion and replacement of long nonhomologous DNA segments by genetic transformation of Haemophilus influenzae. Walter RB, et al. **Photochem Photobiol** 1982 Mar;35(3):337-41

TRANSFORMATION, GENETIC

see related
DNA, RECOMBINANT

DNA mediated gene transfer using simian virus 40 or polyoma virus morphological transformation as selective markers. Zouzias D, et al. **Arch Virol** 1981;70(3):291-5

Transfer and expression of herpes simplex virus thymidine kinase and human globin genes in mammalian cells studied by spot hybridization assays. Spandidos DA, et al. **Biosci Rep** 1981 Dec;1(12):911-20

A chronic myeloproliferative disorder associated with monosomy 7 in the bone marrow cells; normal karyotype in acute transformation. Linch DC, et al. **Br J Haematol** 1982 Jul;51(3):439-44

Localization in mouse-L-Cell chromosomal sites of transferred immunoglobulin genes. Fittler F, et al. **Chromosoma** 1982;84(5):717-27

Liposomes: the development of a new carrier system for introducing nucleic acid into plant and animal cells. Fraley R, et al. **Curr Top Microbiol Immunol** 1982;96:171-91 (85 ref.)

The role of the transformer genes in the development of genitalia and analia of Drosophila melanogaster. Wieschaus E, et al. **Dev Biol** 1982 Apr;90(2):320-34

Mechanisms of DNA entry into mammalian cells. II. Phagocytosis of calcium phosphate DNA co-precipitate visualized by electron microscopy. Loyter A, et al. **Exp Cell Res** 1982 May;139(1):223-34

Variation in frequency of transformation by plasmid YRp7 in Saccharomyces cerevisiae. Johnston J, et al. **Gene** 1981 Dec;16(1-3):325-9

Insertion of new genes into bone marrow cells of mice. Cline MJ, et al. **Hamatol Bluttransfus** 1981;26:167-70

Organization of the methotrexate resistant mouse L5178YR dihydrofolate reductase gene and transformation of human HCT-8 cells by this gene. Scheer DI, et al. **Hamatol Bluttransfus** 1981;26:171-4

Linkage map of cotransfected viral DNA sequences in a mouse 3T3 cell line. van den Berg FM, et al. **Intervirology** 1981;16(3):184-90

Isolation and partial characterization of Bacillus subtilis mutants impaired in DNA entry. Mulder JA, et al. **J Bacteriol** 1982 Apr;150(1):260-8

Overproduction and control of the LEU2 gene product, beta-isopropylmalate dehydrogenase, in transformed yeast strains. Hsu YP, et al. **J Biol Chem** 1982 Jan 10;257(1):39-41

DNA-mediated gene transfer without carrier DNA. Huttner KM, et al. **J Cell Biol** 1981 Oct;91(1):153-6

Insertion of drug resistance genes in animals. Bar-Eli M, et al. **J Cell Physiol** 1982;Suppl 1:213-7

Transformation of mammalian cells to antibiotic resistance with a bacterial gene under control of the SV40 early region promoter. Southern PJ, et al. **J Mol Appl Gen** 1982; 1(4):327-41

Plasmid transformation of Streptococcus sanguis (Challis) occurs by circular and linear molecules. Behnke D. **MGG** 1981;182(2):490-7

Isolation of Physarum DNA segments that support autonomous replication in yeast. Gorman JA, et al. **MGG** 1981;183(2):306-13

Vectors for cloning in cyanobacteria: construction and characterization of two recombinant plasmids capable of transformation of Escherichia coli K12 and Anacystis nidulans R2. Kuhlemeier CJ, et al. **MGG** 1981; 184(2):249-54

Study of the phenomenon of marker rescue in plasmid transformation and transduction of intact cells, protoplasts and different rec mutants of Bacillus subtilis. Prozorov AA, et al. **MGG** 1982;185(2):363-4

The induction of a specific pigment cell type by total genomic DNA injected into the neural crest region of fish embryos of the genus Xiphophorus. Vielkind J, et al. **MGG** 1982; 185(3):379-89

Comparison of phenotypic expression with genotypic transformation by using cloned, selectable markers. Linsley PS, et al. **Mol Cell Biol** 1982 May;2(5):593-7

Measurement of transcribed human X-chromosomal DNA sequences transferred to rodent cells by chromosome-mediated gene transfer. McBride OW, et al. **Mol Cell Biol** 1982 Jan;2(1):52-65

Transfer of nonselectable genes into mouse teratocarcinoma cells and transcription of the transferred human beta-globin gene. Wagner EF, et al. **Mol Cell Biol** 1982 Feb;2(2):190-8

Liposome-mediated transformation of streptomycetes by chromosomal DNA. Makins JF, et al. **Nature** 1981 Oct 22;293(5834):671-3

Transformation of the green alga Chlamydomonas reinhardii with yeast DNA. Rochaix JD, et al. **Nature** 1982 Mar 4; 296(5852):70-2

Expression of Drosophila heat shock genes is regulated in Rat-cells. Burke JF, et al. **Nucleic Acids Res** 1982 Jul 10; 10(13):3821-30

DNA-mediated gene transfer: recombination between cotransferred DNA sequences and recovery of recombinants in a plasmid. Anderson RA, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2748-52

Properties of a Saccharomyces cerevisiae mtDNA segment conferring high-frequency yeast transformation. Hyman BC, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1578-82

Mechanisms of DNA uptake by mammalian cells: fate of exogenously added DNA monitored by the use of fluorescent dyes. Loyter A, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):422-6

Isolation of transforming DNA by cosmid rescue. Lund T, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):520-4

Yeast transformation: a model system for the study of recombination. Orr-Weaver TL, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6354-8

Transformation of frog embryos with a rabbit beta-globin gene. Rusconi S, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5051-5

Transformation with DNA from 5-azacytidine-reactivated X chromosomes. Venolia L, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2352-4

Study on hereditary variations induced by silkworm DNA--mutagenecity of Attacus cynthia ricini by B. mori DNA. Chen Y, et al. **Sci Sin [B]** 1982 Feb;25(2):141-51

Transformation of human leukocytes by cocultivation with an adult T cell leukemia virus producer cell line. Yamamoto N, et al. **Science** 1982 Aug 20;217(4561):737–9
Transfer of genes to Chinese hamster ovary cells by DNA-mediated transformation. Abraham I, et al. **Somatic Cell Genet** 1982 Jan;8(1):23–39
Competence for DNA transfer of ouabain resistance and thymidine kinase: clonal variation in mouse L-cell recipients. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep; 7(5):617–30
Enhancing the efficiency of DNA-mediated gene transfer in mammalian cells. Corsaro CM, et al. **Somatic Cell Genet** 1981 Sep;7(5):603–16
Detection of different types of receptors for deoxyribonucleic acid in competent Bacillus subtilis. López P, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(6):524–32

DRUG EFFECTS

Mutagenesis and transformation of C3H 10T 1/2 cells treated with ethyl methanesulfonate. Evans HH, et al. **Mutat Res** 1981 Nov;84(1):203–19
Genetic effects of some platinum co-ordination complexes on E.coli DNA as revealed by transformation studies. Hoekstra WP, et al. **Mutat Res** 1982 May;94(1):53–62

RADIATION EFFECTS

[Composition of transforming DNA of Haemophilus influenzae irradiated with near-ultraviolet light] Cabañas-Cortés EM, et al. **Rev Latinoam Microbiol** 1981 Jul–Sep;23(3):175–80 (Eng. Abstr.) **(Spa)**
[Difference in photoreactivation of DNA inactivated by ultraviolet light or near-ultraviolet light] López-Bracho MA, et al. **Rev Latinoam Microbiol** 1980 Oct–Dec; 22(4):205–12 **(Spa)**

TRANSGLUTAMINASE see **GLUTAMYL TRANSPEPTIDASE**

TRANSIENTS AND MIGRANTS

Anthropometric and cycloergometric assessment of the nutritional status of the children of agricultural migrant workers in Southern Brazil. Desai ID, et al. **Am J Clin Nutr** 1981 Sep;34(9):1925–34
Biosocial effects of urban migration on the development of families and children in Guatemala. Bogin B, et al. **Am J Public Health** 1981 Dec;71(12):1373–7
The British-Norwegian migrant study—analysis of parameters of mortality differentials associated with angina. Feinleib M, et al. **Biometrics** 1982 Mar;38 Suppl:55–74
Great Chapel Street Medical Centre. El Kabir DJ. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):480–1
Medical care for the homeless. Shanks NJ. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1679–80
Educating handicapped migrants: issues and options. Barresi JG. **Except Child** 1982 Apr;48(6):473–88
Educating migrant students: the paraprofessional component. Frith GH. **Except Child** 1982 Apr;48(6):506–7
Policy issues in special education for migrant students. Hunter B. **Except Child** 1982 Apr;48(6):469–72
The ECS Interstate Migrant Education Project. Perry J. **Except Child** 1982 Apr;48(6):496–500
A study of the implementation of Public Law 94–142 for handicapped migrant children. Pyecha JN, et al. **Except Child** 1982 Apr;48(6):490–5
Issues in the education of migrants and other mobile handicapped students. Sauer RA. **Except Child** 1982 Apr; 48(6):503–5
The impact of population redistribution on service delivery. Longino CF Jr, et al. **Gerontologist** 1982 Apr;22(2):153–9
The impact of seasonal population fluctuations on service delivery. Monahan DJ, et al. **Gerontologist** 1982 Apr; 22(2):160–3
Culturally syntonic family therapy for migrant Puerto Ricans. Canino G, et al. **Hosp Community Psychiatry** 1982 Apr; 33(4):299–303
Consistency of data collected from inmates of a common lodging house. Shanks NJ. **J Epidemiol Community Health** 1981 Jun;35(2):133–5
Dental help for migrants. Oster C. **NY State Dent J** 1981 Nov;47(9):538, 541
Blood pressure at rest and during exercise among Sherpas and Tibetan migrants in Nepal. Weitz CA. **Soc Sci Med** 1982;16(2):223–31
Intestinal parasitism in seminomadic pastoralists and subsistence farmers in and around irrigation schemes in the Awash Valley, Ethiopia, with special emphasis on ecological and cultural associations. Kloos H, et al. **Soc Sci Med [B]** 1981 Oct;15(4):457–69
Health problems associated with agricultural colonization in Latin America. Weil C. **Soc Sci Med [D]** 1981 Nov; 15D(4):449–61 (91 ref.)
Red-cell enzyme study among some migrant tribal populations in the Andaman Islands. Bhattacharyya SK, et al. **Z Morphol Anthropol** 1980;71(3):336–40
[Bone scintigraphy and diagnosis of osteoarticular tuberculosis in migrant workers. Study of a series of 50 scintigraphies] Coulaud JP, et al. **Ann Med Interne (Paris)** 1982;133(4):261–5 (Eng. Abstr.) **(Fre)**
['Abnormal reaction' or cultural misunderstandings? A contribution to the improvement of medical care to children of migrant labourers in the FRG (author's transl)] Zimmermann E, et al. **Klin Padiatr** 1982 Jan;194(1):48–51 (Eng. Abstr.) **(Ger)**
[Higher incidence of high blood pressure in Germans as compared with South European and Turkish guest workers] Kornhuber HH, et al. **Med Welt** 1982 Jun 4; 33(22):817–9 **(Ger)**
[Studies on silicosis as reported in migrant workers. (Report 1) Recent observation of silicosis patients (author's transl)] Nakagawa H. **Nippon Eiseigaku Zasshi** 1980 Dec; 35(5):728–36 (Eng. Abstr.) **(Jpn)**
[Studies on silicosis as reported in migrant workers. (Report 2) Pulmonary function impairments in silicosis patients (author's transl)] Nakagawa H. **Nippon Eiseigaku Zasshi** 1980 Dec;35(5):737–45 (Eng. Abstr.) **(Jpn)**
[Migration as a factor in the genetic heterogeneity of the population of large cities] Kalabushkin BA, et al. **Genetika (Moskva)** 1982 May;18(5):833–8 (Eng. Abstr.) **(Rus)**
[Population genetics of the population in the European north of the RSFSR. V. An evaluation of the virtual size of the population by computer simulation of marriage and migration processes] Revazov AA, et al. **Genetika (Moskva)** 1981;17(7):1299–303 (Eng. Abstr.) **(Rus)**
[Social hygiene research in the '20s devoted to the rural resettled population of Siberia] Vengrova IV. **Sov Zdravookhr** 1981;(7):45–8 **(Rus)**
[Lung function in the immigrant population of northeastern USSR] Matveev LN. **Ter Arkh** 1981;53(6):95–9 **(Rus)**

PSYCHOLOGY

Determinants of delinquency in female West Indian Migrants. Burke AW. **Int J Soc Psychiatry** 1982 Spring;28(1):28–34
Suicide during 1961–70 migrants in Australia. Burvill PW, et al. **Psychol Med** 1982 May;12(2):295–308
[Trampers in India – Description of a population (author's transl)] Scharfetter C, et al. **Psychiatr Prax** 1981 Aug; 8(3):113–6 (Eng. Abstr.) **(Ger)**
[An unusual case of vagrancy in a patient (author's transl)] Kunčar K. **Psychiatr Pol** 1981 May–Jun;15(3):315–6 **(Pol)**

TRANSILLUMINATION

Diaphanography: mechanism responsible for the images. Watmough DJ. **Acta Radiol [Oncol]** 1982;21(1):11–5
Breast transillumination using the sinus diaphanograph [letter] Thomas BA. **Br Med J [Clin Res]** 1981 Oct 17; 283(6298):1057
Transillumination during osteoplastic frontal sinusotomy. Hybels RL. **Laryngoscope** 1981 Sep;91(9 Pt 1):1560
[Scrotum transillumination: method and results (author's transl)] Di Maggio C, et al. **Radiol Med (Torino)** 1981 Oct; 67(10):733–7 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

A light torch for the transillumination of female breast tissues. Watmough DJ. **Br J Radiol** 1982 Feb;55(650):142–6
Breast transillumination using the sinus diaphanograph [letter] Watmough D. **Br Med J [Clin Res]** 1982 Jan 9; 284(6309):114

METHODS

Diaphanoscopy and diaphanography for breast cancer detection in clinical practice. Angquist KA, et al. **Acta Chir Scand** 1981;147(4):231–8
Infrared transillumination using photography and television (videodioscopy). Morton R, et al. **J Audiov Media Med** 1981 Jul;4(3):86–90
[Transillumination methods of determining the viability of an invaginated intestine in children] Rokitskii MR, et al. **Klin Khir** 1981 Jun:(6):16–8 (Eng. Abstr.) **(Rus)**
[New experimental method for studying blood circulation in the maxillofacial area] Epshtein IaZ. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):19–20 (Eng. Abstr.) **(Rus)**

TRANSISTORS see under **SEMICONDUCTORS**

TRANSKETOLASE

ANALYSIS

Simultaneous assay of dihydroxyacetone synthase and transketolase in a methylotrophic yeast grown in continuous culture. A cautionary note. Lindley ND, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):253–9

ANTAGONISTS & INHIBITORS

Enzyme inhibition and the toxic action of moniliformin and other vinylogous alpha-ketoacids. Burka LT, et al. **Biochem Pharmacol** 1982 Jan 1;31(1):79–84
[Specific and metabolic effect of oxythiamine] Gorbach ZV, et al. **Ukr Biokhim Zh** 1981 Nov–Dec;53(6):69–73 (Eng. Abstr.) **(Rus)**

BLOOD

Erythrocyte transketolase activity and sudden infant death [letter] Lonsdale D. **Am J Clin Nutr** 1981 Oct;34(10):2326–7
The isolation and preliminary characterization of apotransketolase from human erythrocytes. Warnock LG, et al. **Biochem Biophys Res Commun** 1982 Jun 15; 106(3):719–23
Erythrocyte transketolase activity in the Wernicke-Korsakoff syndrome. Leigh D, et al. **Br J Psychiatry** 1981 Aug;139:153–6
Two-step assay of erythrocyte transketolase activity [letter] Leunis JC, et al. **Clin Chem** 1982 Feb;28(2):391–2
Determination of blood transketolase by high-performance liquid chromatography (a preliminary note). Kimura M, et al. **J Chromatogr** 1982 Apr 30;239:707–10
Erythrocyte transketolase activity in alcoholic liver disease. Camilo ME, et al. **Scand J Gastroenterol** 1981;16(2):273–9
[Studies on the normal ranges and clinical applications of the values of total vitamin B1 in the blood and the activities of transketolase in hemolysate (author's transl)] Hashizume N, et al. **Rinsho Byori** 1981 Jun;29(6):547–53 **(Jpn)**
[Effect of uremic toxins on the activity of transketolase in human erythrocytes] Kopczyński Z. **Pol Tyg Lek** 1981 Apr 20;36(16):553–5 (Eng. Abstr.) **(Pol)**
[Biochemical evaluation of reparative processes in duodenal ulcer] Alekseeva LM, et al. **Klin Med (Mosk)** 1981 Feb; 59(2):53–5 (Eng. Abstr.) **(Rus)**
[Blood transketolase activity and the TDP effect as indices of thiamine body allowance] Voskoboev AI, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):690–4 (Eng. Abstr.) **(Rus)**
[Study of the thiamine supply of healthy school-age children and adolescents by examining transketolase activity and the TDP effect in the blood] Kon' IIa, et al. **Vopr Pitan** 1982 May–Jun;(3):29–33 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The electrophoresis and detection of transketolase. Wood T, et al. **Anal Biochem** 1981 Dec;118(2):221–6
Purification and properties of a transketolase responsible for formaldehyde fixation in a methanol-utilizing yeast, candida boidinii (Kloeckera sp.) No. 2201. Kato N, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):143–50
[Purification and properties of rat liver transketolase] Gorbach ZV, et al. **Biokhimiia** 1981 Nov;46(11):1963–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Structure of the active center of transketolase. Kochetov GA. **Ann NY Acad Sci** 1982;378:306–11 (14 ref.)
Production and purification of Penicillium citreoviride toxin and its effect on TPP-dependent liver transketolase. Datta SC, et al. **Folia Microbiol (Praha)** 1981;26(5):408–12
The interrelation transketolase and dihydroxyacetone synthase activities in the methylotrophic yeast Candida boidinii. Waites MJ, et al. **J Gen Microbiol** 1981 Jun;124(Pt 2):309–16
Kinetic studies of mouse brain transketolase. Blass JP, et al. **J Neurochem** 1982 Sep;39(3):729–33
[Nature of the bond between the coenzyme and protein in pig liver transketolase] Voskoboev AI, et al. **Biokhimiia** 1981 Aug;46(8):1383–8 (Eng. Abstr.) **(Rus)**
[Niacin deficiency and correlation between oxidative reactions of the pentose phosphate pathway of carbohydrate metabolism and transketolase activity] Lashak LK, et al. **Vopr Pitan** 1982 May–Jun;(3):42–7 (Eng. Abstr.) **(Rus)**

TRANSLATING

Alternate antagonism with paradoxical translation behavior in two bilingual aphasic patients. Paradis M, et al. **Brain Lang** 1982 Jan;15(1):55–69
Beating the language barrier. Websdale H. **Dimens Health Serv** 1982 May;59(5):26–7
A pilot interpreter service. Lee E, et al. **Practitioner** 1982 Mar;226(1365):398–400

TRANSLATION, GENETIC

Translation and characterization of poly(A)-lacking RNA from lupin root nodules. Konieczny A, et al. **Acta Biochim Pol** 1981;28(2):83–97
Translation in vitro of ribonucleic acids from potato virus X, potato virus M and white clover mosaic virus. Szybiak U, et al. **Acta Biochim Pol** 1981;28(2):99–104
Translational discrimination between embryonic and adult mouse globin mRNAs in the rabbit reticulocyte lysate system. Farace MG, et al. **Acta Biol Med Ger** 1981; 40(4–5):527–33
Autophagocytosis: freeze-fracture morphology, effects of vinblastine and influence of transcriptional and translational inhibitors. Kovács J, et al. **Acta Biol Med Ger** 1982; 41(1):131–5
Messenger RNAs of mouse hepatitis virus A59: isolation and characterization, translation in Xenopus laevis oocytes of RNAs 3, 6 and 7, UV target sizes of the transcription templates. Van der Zeijst BA, et al. **Adv Exp Med Biol** 1981;142:209–25
Initiation factors in protein biosynthesis. Maitra U, et al. **Annu Rev Biochem** 1982;51:869–900
Translational initiation in prokaryotes. Gold L, et al. **Annu Rev Microbiol** 1981;35:365–403 (152 ref.)
Two molecular approaches for identification of human

genomic sequences whose expression is functionally coupled with DNA replication. Sierra F, et al. **Anticancer Res** 1981;1(6):353–60

Cell-free synthesis of Chironomus thummi (Diptera) globins. Baldwin AS, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):390–5

In vitro translation of cutinase mRNA: evidence for a precursor form of an extracellular fungal enzyme. Flurkey WH, et al. **Arch Biochem Biophys** 1981 Nov;212(1):154–61

Translation of coxsackievirus B RNAs in a rabbit reticulocyte lysate: characterization of the genome RNA, reaction conditions for translation, and analysis of the products. Chatterjee NK, et al. **Arch Virol** 1981;70(3):271–83

In vivo and in vitro synthesis of the proteins expressed by the RNA of black beetle virus. Crump WA, et al. **Arch Virol** 1981;69(2):131–9

Increase in translatable mRNA for mitochondrial pyruvate carboxylase during differentiation of 3T3 preadipocytes. Angus CW, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1216–22

Lactate dehydrogenase-C mRNA: its isolation and in vitro translation. Ansari AA, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):93–9

Cell free synthesis of human prothrombin: immunological characterization of the translation product. Besmond C, et al. **Biochem Biophys Res Commun** 1981 Nov 30; 103(2):587–94

The complexity of mitochondrial translation products in mammalian cells. Bhat NK, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):621–8

Cell-free translation and partial characterization of proenkephalin messenger RNA from bovine striation. Dandekar S, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):67–74

Detection of two precursors to each of the subunits of human chorionic gonadotropin translated from placental mRNA in the wheat germ cell-free system. Godine JE, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):463–73

Characterization of messenger RNA for aldolase B in adult and fetal human liver. Grégori C, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):369–75

No unique mitochondrial translation products in respiratory chain-linked NADH dehydrogenase. Hare JF, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1250–6

Glycosylation of the arginine vasopressin/neurophysin II common precursor. Ivell R, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1230–6

Natural enrichment of ferritin mRNA in mRNP particles. Watanabe N, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):207–12

Developmental changes in the composition of polyadenylated RNA isolated from free and membrane-bound polyribosomes of the rat forebrain, analysed by translation in vitro. Hall C, et al. **Biochem J** 1981 Apr 15;196(1):327–36

Qualitative and comparative nature of mitochondrial translation products in mammalian cells. Bhat NK, et al. **Biochemistry** 1982 May 11;21(10):2452–60

High-resolution electrophoretic fractionation and partial characterization of the mitochondrial translation products from HeLa cells. Ching E, et al. **Biochemistry** 1982 Jun 22;21(13):3188–95

Effect of transfer ribonucleic acid dimer formation on polyphenylalanine biosynthesis. Miller DL, et al. **Biochemistry** 1981 Sep 15;20(19):5457–61

Structural and functional similarities of delta-crystallin messenger ribonucleic acids from duck and chicken lenses. Piatigorsky J. **Biochemistry** 1981 Oct 27;20(22):6427–31

In vitro synthesis of the respiratory NADH dehydrogenase of Escherichia coli. Role of UUG as initiation codon. Poulis MI, et al. **Biochemistry** 1981 Jul 7;20(14):4178–85

Modulation of tropoelastin production and elastin messenger ribonucleic acid activity in developing sheep lung. Shibahara SU, et al. **Biochemistry** 1981 Nov 10; 20(23):6577–84

Protein synthesis using poly(2'-halogeno-2'-deoxyadenylic acids) as messenger. Fukui T, et al. **Biochim Biophys Acta** 1982 May 31;697(2):174–7

Epidermal keratin messenger RNAs: a heterogeneous family. Gibbs PE, et al. **Biochim Biophys Acta** 1982 Feb 26; 696(2):124–33

The protein synthetic activity in vitro of ribosomes differing in the extent of phosphorylation of their ribosomal proteins. Leader DP, et al. **Biochim Biophys Acta** 1981 Nov 27; 656(1):69–75

Cotranslation of L and L' pyruvate kinase messenger RNAs from human fetal liver. Marie J, et al. **Biochim Biophys Acta** 1982 Mar 29;696(3):340–4

Studies on the function of the non-primer tRNAs associated with the 70 S RNA of avian myeloblastosis virus. Waters LC, et al. **Biochim Biophys Acta** 1982 Feb 26;696(2):201–7

Effect of tRNA pool balance on rate and uniformity of elongation during translation of fibroin mRNA in a reticulocyte cell-free system. Chavancy G, et al. **Biochimie** 1981 Jul;63(7):611–8

Origin of life: a hypothesis for the origin of adaptor-mediated ordered synthesis of proteins and an explanation for the choice of terminating codons in the genetic code. Balasubramanian R. **Biosystems** 1982;15(2):99–104

Changes in in vivo rates of protein synthesis on free and membrane-bound polysomes in rat brain during the development of physical dependence on ethanol and after the withdrawal of ethanol. Peters JE, et al. **Brain Res** 1982 Jan 14;231(2):411–26

Polyamine concentration, activity of the ribosomal dissociation factor and proportion of ribosomes active in protein synthesis in the 4-dimethylaminoazobenzene-induced rat hepatoma. Comolli R, et al. **Cancer Lett** 1981 Oct;14(1):77–83

Poliovirus-induced inhibition of host-cell protein synthesis. Ehrenfeld E. **Cell** 1982 Mar;28(3):435–6

Translational accuracy in vitro. Kurland CG. **Cell** 1982 Feb; 28(2):201–2

Differential translation efficiency explains discoordinate expression of the galactose operon. Queen C, et al. **Cell** 1981 Jul;25(1):241–9

Differential capacity for translation and lack of competition between mRNAs that segregate to free and membrane-bound polysomes. Richter JD, et al. **Cell** 1981 Nov;27(1 Pt 2):183–91

Studies of the biosynthesis of renin with a cell-free translation system. Dzau VJ, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):241s–243s

Autoregulatory control of the expression of alpha- and beta-tubulins: implications for microtubule assembly. Cleveland D, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):171–83

Role of phosphorylation-dephosphorylation cycles in the control of protein synthesis in eukaryotes. Ochoa S, et al. **Curr Top Cell Regul** 1981;18:421–35

The structure and evolution of ribosomes and their components. Wittmann HG, et al. **Curr Top Cell Regul** 1981;18:487–504

Structure, assembly, and function of ribosomes. Nierhaus KH. **Curr Top Microbiol Immunol** 1982;97:81–155 (207 ref.)

The follicle cells are a major site of vitellogenin synthesis in Drosophila melanogaster. Brennan MD, et al. **Dev Biol** 1982 Jan;89(1):225–36

Control of mRNA translation in oocytes and developing embryos of giant moths. I. Function of the 5' terminal 'Cap'in the tobacco hornworm, Manduca sexta. Kastern WH, et al. **Dev Biol** 1982 Feb;89(2):437–49

Site and timing of synthesis of tubulin and other proteins during oogenesis in Drosophila melanogaster. Loyd JE, et al. **Dev Biol** 1981 Sep;86(2):272–84

Protein synthesis as an early response to fertilization of the sea urchin egg: a model. Raff RA, et al. **Dev Biol** 1981 Sep;86(2):265–71

A comparison of Xenopus laevis oocyte and embryo mRNA. Rosbash M. **Dev Biol** 1981 Oct 30;87(2):319–29

The correlation between the synthesis of skeletal muscle actin, myosin heavy chain, and myosin light chain and the accumulation of corresponding mRNA sequences during myogenesis. Shani M, et al. **Dev Biol** 1981 Sep;86(2):483–92

Glucocorticoid receptors and the cell cycle: evidence that the accumulation of glucocorticoid receptors during the S phase of the cell cycle is dependent on ribonucleic acid and protein synthesis. Cidlowski JA, et al. **Endocrinology** 1982 May;110(5):1653–62

Modulation of thyroglobulin messenger RNA accumulation in the rat thyroid. Scherberg NH, et al. **Endocrinology** 1981 Nov;109(5):1650–6

Removal of wheat-germ agglutinin increases protein synthesis in wheat-germ extracts. Abraham AK, et al. **Eur J Biochem** 1982 May 17;124(2):383–8

The segregation into microsomal vesicles and core-glycosylation in vitro of a 300-kDa rat thyroglobulin subunit. Alvino CG, et al. **Eur J Biochem** 1982 Jun 15; 125(1):15–9

The protochlorophyllide holochrome of barley (Hordeum vulgare L.). Phytochrome-induced decrease of translatable mRNA coding for the NADPH: protochlorophyllide oxidoreductase. Apel K. **Eur J Biochem** 1981 Nov; 120(1):89–93

The effects of haem on translational control of protein synthesis in cell-free extracts from fed and lysine-derived Ehrlich ascites tumour cells. Austin SA, et al. **Eur J Biochem** 1981 Jul;117(3):601–7

Ribitol dehydrogenase messenger RNA from an enzyme superproducer strain of Klebsiella aerogenes. Purification, cell-free translation and studies in vitro and in vivo. Bahramian MB, et al. **Eur J Biochem** 1982 Feb; 122(2):271–82

Rate of translation and kinetics of processing of newly synthesized molecules of two major outer-membrane proteins, the OmpA and OmpF proteins, of Escherichia coli K12. Crowlesmith I, et al. **Eur J Biochem** 1982 Jun; 124(3):577–83

Efficient translation of the coat protein cistron of tobacco mosaic virus in a cell-free system from Escherichia coli. Glover JF, et al. **Eur J Biochem** 1982 Mar 1;122(3):485–92

Preparation of a mRNA-dependent cell-free translation system from whole cells of Saccharomyces cerevisiae. Hofbauer R, et al. **Eur J Biochem** 1982 Feb;122(1):199–203

Expression of the mRNA coding for glyceraldehyde-3-phosphate dehydrogenase. MacLeod AR. **Eur J Biochem** 1981 Oct;119(2):353–8

Processing of a chloroplast-translated membrane protein in vivo. Analysis of the rapidly synthesized 32 000-dalton shield protein and its precursor in Spirodela oligorrhiza. Reisfeld A, et al. **Eur J Biochem** 1982 May;124(1):125–9

Synthesis and posttranslational segregation of glyoxysomal isocitrate lyase from castor bean endosperm. Roberts LM, et al. **Eur J Biochem** 1981 Sep;119(1):43–9

The synthesis of Ricinus communis agglutinin, cotranslational and posttranslational modification of agglutinin polypeptides. Roberts LM, et al. **Eur J Biochem** 1981 Sep; 119(1):31–41

Larger precursors of mitochondrial translation products in Neurospora crassa. Indications for a precursor of subunit 1 of cytochrome c oxidase. Van't Sant P, et al. **Eur J Biochem** 1981 Dec;121(1):21–6

Protein synthesis in brine shrimp embryos. Regulation of the formation of the ternary complex (Met-tRNAf X eIF-2 X GTP) by two purified protein factors and phosphorylation of Artemia eIF-2. Woodley CL, et al. **Eur J Biochem** 1981 Jul;117(3):543–51

Regulation of delayed-type hypersensitivity. VII. The role of I-J subregion gene products in the inhibition of delayed-type hypersensitivity to major histocompatibility antigens by specific suppressor T cells. Liew FY. **Eur J Immunol** 1981 Nov;11(11):883–8

Rat IgD myeloma protein: cell-free translation of the delta mRNA and biochemical analysis of intracellular and membrane delta chain. Sire J, et al. **Eur J Immunol** 1981 Aug;11(8):632–6

Similarities in protein synthesis and degradation in normal and dystrophic muscle cultures. Wolitzky BA, et al. **Exp Cell Res** 1982 Feb;137(2):295–9

Cell-free translation of human lens polyribosomes. Ringens PJ, et al. **Exp Eye Res** 1982 May;34(5):831–4

Ribosomal proteins contacting with deacylated tRNA in the S-site of the translating ribosome. Abdurashidova GG, et al. **FEBS Lett** 1981 Jun 29;129(1):59–61

In vitro translation of RNA from embryonic and from adult chicken pectoralis muscle produces different myosin heavy chains. Bandman E, et al. **FEBS Lett** 1981 Dec 28; 136(2):301–5

Rat alpha 1-antitrypsin, preliminary characterisation of the in vitro mRNA translation product. Carlson J, et al. **FEBS Lett** 1981 Aug 3;130(2):297–300

Inhibition of in vitro translation by antibodies directed against N6-methyladenosine. Dante R, et al. **FEBS Lett** 1981 Jul 20;130(1):153–7

The fate of VPg during in vitro translation of poliovirus RNA. Dorner AJ, et al. **FEBS Lett** 1981 Sep 28; 132(2):219–23

Membrane glycoprotein synthesis: cleavage of the signal sequence in the absence of glycosylation. Irving RA, et al. **FEBS Lett** 1982 Apr 19;140(2):257–9

Leader polypeptides encoded in the 5'-region of the encephalomyocarditis virus genome. Kazachkov YuA, et al. **FEBS Lett** 1982 May 17;141(2):153–6

Synthesis and processing of pre-alpha 2u-globulin in different translational systems. Mertens B, et al. **FEBS Lett** 1981 Oct 26;133(2):209–12

Differential stimulation of alpha- and beta-globin mRNA translation by Mr 50 000 and 28 000 polypeptide containing fractions isolated from reticulocyte polysomes. Parets Soler A, et al. **FEBS Lett** 1981 Dec 28;136(2):259–64

Assessment of competitive action of streptomycin 6-kinase and streptomycin 6-phosphatase in the in vitro protein synthesis of a streptomycin-producing microorganism. Sugiyama M, et al. **FEBS Lett** 1982 Mar 22;139(2):331–3

Primary Translation product of mRNA coding for rat duodenal vitamin D-dependent calcium-binding protein. Thomasset M, et al. **FEBS Lett** 1981 Nov 16;134(2):178–82

Identification of the translation products of alpha -1-antitrypsin mRNA from baboon liver polysomes. Vercaigne D, et al. **FEBS Lett** 1982 Jan 25;137(2):231–5

Cell-free synthesis of the one-chain precursor of a major intrinsic protein complex of the small-intestinal brush border membrane (pro-sucrase-isomaltase). Wacker H, et al. **FEBS Lett** 1981 Dec 28;136(2):329–32

Mitochondrial translation products of yeast mutants resistant to mucidin. Subík J, et al. **Folia Microbiol (Praha)** 1981; 26(4):300–2

High-level synthesis in Escherichia coli of the SV40 small-t antigen under control of the bacteriophage lambda pL promoter. Derom C, et al. **Gene** 1982 Jan;17(1):45–54

The nucleotide sequence and protein-coding capability of the transposable element IS5. Engler JA, et al. **Gene** 1981 Aug;14(3):155–63

Leftward transcription in the Escherichia coli bio operon does not require products of the rightward transcript. Kotval J, et al. **Gene** 1982 Feb;17(2):219–22

Bovine hypothalamic poly(A)-rich RNA-directed synthesis of a common precursor to the nonapeptide arginine vasopressin and neurophysin II. Immunological identification and tryptic peptide mapping. Schmale H, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov;362(11):1551–9

Cell mediated cytotoxicity against HLA-D region products expressed in monocytes and B lymphocytes. III. Inhibition by monoclonal antibodies and study of an HLA-B/DR recombinant. Ball EJ, et al. **Hum Immunol** 1981 Jul; 2(4):305–13

Detection of HLA-D region products by primed lymphocyte typing (PLT). Moen T, et al. **Hum Immunol** 1981 Jul; 2(4):287–94

Cell-free translation of immunoglobulin G polypeptides by chicken bursal RNA. Kanki T, et al. **Immunology** 1981 Oct; 44(2):233–7

Further studies on biosynthesis of erythropoietin. Bandyopadhyay R, et al. **Indian J Biochem Biophys** 1981 Aug;18(4):241–4

Characterization of a colitis phage specific stable mRNA. Ramakrishna N, et al. **Indian J Biochem Biophys** 1981 Apr;

18(2):93-100
Identification of lactate dehydrogenase-X translated in vitro from mouse testicular poly A-containing mRNA. Okabe M, et al. **Int J Biochem** 1982;14(5):371-5
Tn9 and IS1 inserts in a ribosomal ribonucleic acid operon of Escherichia coli are incompletely polar. Brewster JM, et al. **J Bacteriol** 1981 Dec;148(3):897-903
Polarity in the glnA operon: suppression of the reg- phenotype by rho mutations. Guterman SK, et al. **J Bacteriol** 1982 Jun;150(3):1314-21
Ribosomal protein S4 acts in trans as a translational repressor to regulate expression of the alpha operon in Escherichia coli. Jinks-Robertson S, et al. **J Bacteriol** 1982 Jul; 151(1):193-202
Translation of poly(A) in eukaryotic cell-free systems. Iwasaki K. **J Biochem (Tokyo)** 1982 May;91(5):1617-27
In vitro translation of mRNA for yeast citrate synthase. Alam T, et al. **J Biol Chem** 1982 Sep 25;257(18):11181-5
mRNA for ovine follicle-stimulating hormone beta-chain. An in vitro translational assay. Alexander DC, et al. **J Biol Chem** 1981 Dec 25;256(24):12628-31
Functional organization of the large ribosomal subunit of Bacillus stearothermophilus. Auron PE, et al. **J Biol Chem** 1981 Oct 10;256(19):10105-10
The biosynthesis and processing of high molecular weight precursors of soybean glycinin subunits. Barton KA, et al. **J Biol Chem** 1982 Jun 10;257(11):6089-95
Ovalbumin utilizes an NH2-terminal signal sequence. Braell WA, et al. **J Biol Chem** 1982 Apr 25;257(8):4578-82
The role of mRNA competition in regulating translation. III. Comparison of in vitro and in vivo results. Brendler T, et al. **J Biol Chem** 1981 Nov 25;256(22):11755-61
The role of mRNA competition in regulating translation. II. Development of a quantitative in vitro assay. Brendler T, et al. **J Biol Chem** 1981 Nov 25;256(22):11747-54
Detection of alpha-amylase activity in unprocessed preamylase produced in the cell-free translation of porcine pancreatic RNA. Brown TL, et al. **J Biol Chem** 1981 Nov 10;256(21):10743-6
Coordinate accumulation of the mRNAs for the alpha, beta, and gamma chains of rat fibrinogen following defibrination. Crabtree GR, et al. **J Biol Chem** 1982 Jul 10;257(13):7277-9
Protein synthesis in yeast. I. Purification and properties of elongation factor 3 from Saccharomyces cerevisiae. Dasmahapatra B, et al. **J Biol Chem** 1981 Oct 10; 256(19):9999-10004
Protein synthesis in yeast. II. Purification and properties of the elongation factor 1 from Saccharomyces cerevisiae. Dasmahapatra B, et al. **J Biol Chem** 1981 Oct 10; 256(19):10005-11
Regulation of elastin synthesis in developing sheep nuchal ligament by elastin mRNA levels. Davidson JM, et al. **J Biol Chem** 1982 Jan 25;257(2):747-54
Translational specificity in reovirus-infected mouse fibroblasts. Detjen BM, et al. **J Biol Chem** 1982 Aug 25; 257(16):9855-60
Structural characterization of the glycinin precursors. Ereken-Tumer N, et al. **J Biol Chem** 1982 Apr 25; 257(8):4016-8
Biosynthesis of a lysosomal enzyme. Partial structure of two transient and functionally distinct NH2-terminal sequences in cathepsin D. Erickson AH, et al. **J Biol Chem** 1981 Nov 10;256(21):11224-31
Synthesis of bovine lutropin in cell-free lysates containing pituitary microsomes. Fetherston J, et al. **J Biol Chem** 1982 Jul 25;257(14):8143-7
Partial purification of cytosolic proteins which control yeast mitochondrial protein synthesis. Finzi E, et al. **J Biol Chem** 1981 Nov 25;256(22):11917-22
Translation of vesicular stomatitis and Sindbis virus mRNAs in cell-free extracts of Aedes albopictus cells. Gillies S, et al. **J Biol Chem** 1981 Dec 25;256(24):13188-92
The role of mRNA competition in regulating translation. IV. Kinetic model. Godefroy-Colburn T, et al. **J Biol Chem** 1981 Nov 25;256(22):11762-73
The primary translation product of rat intestinal apolipoprotein A-I mRNA is an unusual preproprotein. Gordon JI, et al. **J Biol Chem** 1982 Jan 25;257(2):971-8
Proteolytic processing of the primary translation product of rat intestinal apolipoprotein A-IV mRNA. Comparison with preproapolipoprotein A-I processing. Gordon JI, et al. **J Biol Chem** 1982 Jul 25;257(14):8418-23
Optimal conditions for post-translational uptake of proteins by isolated chloroplasts. In vitro synthesis and transport of plastocyanin, ferredoxin-NADP+ oxidoreductase, and fructose-1,6-bisphosphatase. Grossman AR, et al. **J Biol Chem** 1982 Feb 10;257(3):1558-63
Evidence for translated intervening sequences in the mitochondrial genome of Saccharomyces cerevisiae. Hanson DK, et al. **J Biol Chem** 1982 Mar 25;257(6):3218-24
Model for messenger RNA translation during amino acid starvation applied to the calculation of protein synthetic error rates. Harley CB, et al. **J Biol Chem** 1981 Nov 10; 256(21):10786-94
In vitro translation and processing of a precursor form of favin, a lectin from Vicia faba. Hemperly JJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7903-9
Cellular and cell-free processing of parathyroid secretory proteins. Majzoub JA, et al. **J Biol Chem** 1982 Apr 10; 257(7):3581-8
A mutation in the tRNAAsp gene from yeast mitochondria. Effects on RNA and protein synthesis. Miller DL, et al. **J Biol Chem** 1981 Oct 10;256(19):9774-7
The translational inhibitor 10 S cytoplasmic ribonucleoprotein of chick embryonic muscle. Dissociation and reassociation. Mukherjee AK, et al. **J Biol Chem** 1981 Nov 10;256(21):11301-6
Synthesis and processing of in vitro and in vivo precursors of the vacuolar yeast enzyme carboxypeptidase Y. Müller M, et al. **J Biol Chem** 1981 Dec 10;256(23):11962-5
A precursor form of latent collagenase produced in a cell-free system with mRNA from rabbit synovial cells. Nagase H, et al. **J Biol Chem** 1981 Dec 10;256(23):11951-4
Modifications in alpha 2u globulin gene structure, transcription, and mRNA translation in hepatomas. Nakhasi HL, et al. **J Biol Chem** 1982 Mar 25;257(6):2726-9
The M1 and M2 subunits of rat pyruvate kinase are encoded by different messenger RNAs. Noguchi T, et al. **J Biol Chem** 1982 Feb 10;257(3):1110-3
Mistranslated protein in Escherichia coli. Parker J. **J Biol Chem** 1981 Oct 10;256(19):9770-3
Participation of 5'-terminal leader sequences in in vitro translation of Rous sarcoma virus RNA. Perdue ML, et al. **J Biol Chem** 1982 Jun 10;257(11):6551-5
Coordinated regulation of 4-coumarate:CoA ligase and phenylalanine ammonia-lyase mRNAs in cultured plant cells. Ragg H, et al. **J Biol Chem** 1981 Oct 10; 256(19):10061-5
NH2-terminal processing of Dictyostelium discoideum actin in vitro. Redman K, et al. **J Biol Chem** 1981 Dec 25; 256(24):13226-9
Peptide mapping of peroxisomal catalase and its precursor. Comparison to the primary wheat germ translation product. Robbi M, et al. **J Biol Chem** 1982 Jan 25;257(2):964-70
Translational control by messenger RNA competition for eukaryotic initiation factor 2. Rosen H, et al. **J Biol Chem** 1982 Jan 25;257(2):946-52
Pretranslational regulation of alpha 2u-globulin in rat liver by growth hormone. Roy AK, et al. **J Biol Chem** 1982 Jul 10;257(13):7834-8
Molecular mechanisms of substitution mutagenesis. An experimental test of the Watson-Crick and topal-fresco models of base mispairings. Sinha NK, et al. **J Biol Chem** 1981 Oct 25;256(20):10671-83
The effects of a post-transcriptional modification on the function of tRNALys isoaccepting species in translation. Smith DW, et al. **J Biol Chem** 1981 Oct 10;256(19):10033-6
Accuracy of protein biosynthesis. A kinetic study of the reaction of poly(U)-programmed ribosomes with a leucyl-tRNA2-elongation factor Tu-GTP complex. Thomposon RC, et al. **J Biol Chem** 1982 Jun 25; 257(12):6677-82
Does leucine, leucyl-tRNA, or some metabolite of leucine regulate protein synthesis and degradation in skeletal and cardiac muscle? Tischler ME, et al. **J Biol Chem** 1982 Feb 25;257(4):1613-21
The role of mRNA competition in regulating translation. I. Demonstration of competition in vivo. Walden WE, et al. **J Biol Chem** 1981 Nov 25;256(22):11739-46
Cell-free translation of the messenger RNA for calf terminal deoxynucleotidyltransferase. Wolf SC, et al. **J Biol Chem** 1982 Apr 25;257(8):4013-5
Cell-free translations of proline-rich protein mRNAs. Ziemer MA, et al. **J Biol Chem** 1982 Sep 25;257(18):11176-80
Biosynthesis of lysosomal hydrolases: their synthesis in bound polysomes and the role of co- and post-translational processing in determining their subcellular distribution. Rosenfeld MG, et al. **J Cell Biol** 1982 Apr;93(1):135-43
Parallel changes in protein synthesis and messenger RNA content in growing and resting epithelial cells of Xenopus laevis. Budorick NE, et al. **J Cell Physiol** 1982 Jun; 111(3):284-90
A genetic analysis of the determination of cuticular polarity during development in Drosophila melanogaster. Gubb D, et al. **J Embryol Exp Morphol** 1982 Apr;68:37-57
Contribution of antigen-presenting cell major histocompatibility complex gene products to the specificity of antigen-induced T cell activation. Heber-Katz E, et al. **J Exp Med** 1982 Apr 1;155(4):1086-99
T cell replacing factor substitutes for an I-J+ idiotype-specific T helper cell. Jayaraman S, et al. **J Exp Med** 1982 Feb 1;155(2):641-6
Monoclonal antibodies that recognize the product controlled by a gene in the I-J subregion of the mouse H-2 complex. Kanno M, et al. **J Exp Med** 1981 Nov 1;154(5):1290-304
Regulation of immune responses by I-J gene products. II. Presence of Both I-Jb and I-Jk suppressor factors in (nonsuppressor x nonsuppressor) F1 mice. Lei HY, et al. **J Exp Med** 1982 Apr 1;155(4):955-67
Murine interstitial nephritis. I. Analysis of disease susceptibility and its relationship of pleiomorphic gene products defining both immune-response genes and a restrictive requirement for cytotoxic T cells at H-2K. Neilson EG, et al. **J Exp Med** 1982 Apr 1;155(4):1075-85
In vivo effects of antibodies to immune response gene products. I. Haplotype-specific suppression of humoral immune responses with a monoclonal anti-I-A. Rosenbaum JT, et al. **J Exp Med** 1981 Nov 1;154(5):1694-702
Regulation of immune responses by I-J gene products. I. Production and characterization of anti-I-J monoclonal antibodies. Waltenbaugh C. **J Exp Med** 1981 Nov 1; 154(5):1570-83
T cell clones with dual specificity for M1s and various major histocompatibility complex determinants. Webb SR, et al. **J Exp Med** 1981 Dec 1;154(6):1970-4
Translation of capped virus mRNA in encephalomyocarditis virus-infected cells. Alonso MA, et al. **J Gen Virol** 1982 Jun;60(Pt 2):315-25
Cell-free coupling of Newcastle disease virus RNA transcription, translation and Co-translational processing. Content J, et al. **J Gen Virol** 1982 May;60(Pt 1):77-85
Transcription and translation of the herpes simplex virus type 1 thymidine kinase gene after microinjection into Xenopus laevis oocytes. Cordingley MG, et al. **J Gen Virol** 1981 Jun;54(Pt 2):409-14
Translation of lymphocyte mRNA into biologically-active Interleukin 2 in oocytes. Bleackley RC, et al. **J Immunol** 1981 Dec;127(6):2432-5
Immune responses in vitro. XII. Two independently segregating loci control Mis product(s). Click RE, et al. **J Immunol** 1982 Apr;128(4):1502-6
Role of I-region gene products in T cell activation. I. Stimulation of T lymphocyte proliferative responses by subcellular membrane preparations containing Ia alloantigens. Germain RN, et al. **J Immunol** 1982 Jan; 128(1):506-11
Differences in expression of MHC products between several H-2-restricted CTL clones. Hauptfeld V, et al. **J Immunol** 1982 May;128(5):2026-31
Evidence for a cloned hybridoma (HO-13-4-9) producing 2 kinds of antibody molecules different in specificity, one directed to Thy 1.2 gene products and the other to antigen on a subpopulation of Thy 1.1 thymocytes. Kubota E, et al. **J Immunol** 1981 Oct;127(4):1498-503
Characterization of H-2Db antigens implies haplotype differences in the number of H-2 molecules expressed. Melino MR, et al. **J Immunol** 1982 Jul;129(1):222-6
Evidence that antisera that react with products of the human HLA-DR locus may block in vitro antigen-induced proliferation by inducing suppression. Muchmore AV, et al. **J Immunol** 1982 May;128(5):2063-6
Immunologic tolerance after oral administration of reovirus: requirement for two viral gene products for tolerance induction. Rubin D, et al. **J Immunol** 1981 Oct; 127(4):1697-701
Elongation factor Tu can reduce translation errors in poly(U)-directed cell-free systems. Gavrilova LP, et al. **J Mol Biol** 1981 Jun 15;149(1):69-78
Tobacco mosaic virus induces the synthesis of a family of 3' coterminal messenger RNAs and their complements. Goelet P, et al. **J Mol Biol** 1982 Jan 25;154(3):541-50
Correlation between the abundance of Escherichia coli transfer RNAs and the occurrence of the respective codons in its protein genes: a proposal for a synonymous codon choice that is optimal for the E. coli translational system. Ikemura T. **J Mol Biol** 1981 Sep 25;151(3):389-409
Translational reinitiation in the rIIB cistron of bacteriophage T4. Napoli C, et al. **J Mol Biol** 1981 Jul 5;149(3):433-49
Analysis in vivo of translational mutants of the rIIB cistron of bacteriophage T4. Singer BS, et al. **J Mol Biol** 1981 Jul 5;149(3):405-32
Regulation of translation in L-cells infected with reovirus. Skup D, et al. **J Mol Biol** 1981 Sep 5;151(1):35-55
Transcriptional map of bacteriophage N4. Location and polarity of N4 RNAs. Zivin R, et al. **J Mol Biol** 1981 Oct 25;152(2):335-56
Role of elongation factor 1 in the translational control of rodent brain protein synthesis. Vargas R, et al. **J Neurochem** 1981 Sep;37(3):687-94
Protein synthesis-dependent and protein synthesis-independent secretion of lysosomal hydrolases from rabbit and human macrophages. McCarthy K, et al. **J Reticuloendothel Soc** 1982 Feb;31(2):131-44
Phase response curves obtained by perturbing different variables of a 24 hr model oscillator based on translational control. Drescher K, et al. **J Theor Biol** 1982 Jan 21; 94(2):345-53
Assembly systems in molecular biology: a graph theory of genetic complementation between two related species. Katsura I. **J Theor Biol** 1981 Feb 7;88(3):503-12
On the origin of the genetic code. Root-Bernstein RS. **J Theor Biol** 1982 Feb 21;94(4):895-904
Amino acid pairing. Root-Bernstein RS. **J Theor Biol** 1982 Feb 21;94(4):885-94
In vitro translation of avian myeloblastosis virus RNA. Anderson SM, et al. **J Virol** 1981 Oct;40(1):107-17
Extension of the transcriptional and translational map of the left end of the vaccinia virus genome to 21 kilobase pairs. Cooper JA, et al. **J Virol** 1981 Sep;39(3):733-45
Purification and translation of murine mammary tumor virus mRNA's. Dudley JP, et al. **J Virol** 1981 Jul;39(1):207-18
Association of cap-binding protein with eucaryotic initiation factor 3 in initiation factor preparations from uninfected and poliovirus-infected HeLa cells. Hansen J, et al. **J Virol** 1982 Apr;42(1):200-7
Inhibition of host translation in encephalomyocarditis virus-infected L cells: a novel mechanism. Jen G, et al. **J Virol** 1982 Jul;43(1):250-61
Genomic RNA of mengovirus V. Recognition of common features by ribosomes and eucaryotic initiation factor 2. Perez-Bercoff R, et al. **J Virol** 1982 Jan;41(1):30-41
Transcriptional and translational mapping of a 6.6-kilobase-pair DNA fragment containing the junction of the terminal repetition and unique sequence at the left end of the vaccinia virus genome. Wittek R, et al. **J Virol** 1981 Sep;39(3):722-32

Posttranslational events in collagen biosynthesis. Davidson JM, et al. **Methods Cell Biol** 1981;23:119–36 (130 ref.)
Translation of mouse interferon mRNA in heterologous cells. De Maeyer E. **Methods Enzymol** 1981;79(Pt B):99–103
Cell-free translation of elastin mRNAs. Foster JA, et al. **Methods Enzymol** 1982;82 Pt A:731–43
Translation of exogenous interferon mRNA in intact mammalian cells. Greene JJ, et al. **Methods Enzymol** 1981; 79(Pt B):104–11
Isolation and cell-free translation of human interferon mRNA from fibroblasts and leukocytes. McCandliss R, et al. **Methods Enzymol** 1981;79(Pt B):51–9
Translation of human interferon mRNAs in Xenopus laevis oocytes. Sloma A, et al. **Methods Enzymol** 1981;79(Pt B):68–71
Isolation and translation of mouse interferon mRNAs. Thang MN. **Methods Enzymol** 1981;79(Pt B):92–9
Translation of human fibroblast interferon mRNA in african fish ova (Tilapiamosaiabica peters oocytes). Yun-te H, et al. **Methods Enzymol** 1981;79(Pt B):72–6
The R gene product of bacteriophage lambda is the murein transglycosylase. Bienkowska-Szewczyk K, et al. **MGG** 1981;184(1):111–4
Codon binding and translational properties of an isoaccepting lysine tRNA peculiar to virus-transformed Cells. Bjercke RJ, et al. **MGG** 1981;183(3):528–31
An antibiotic dependent conditional lethal mutant with a lesion affecting transcription and translation. Dabbs ER, et al. **MGG** 1981;184(2):224–9
Translational attenuation of ermC: a deletion analysis. Hahn J, et al. **MGG** 1982;186(2):204–16
Kinetics of P22 early gene expression suggests a cro-like regulatory function. Harvey AM, et al. **MGG** 1981; 184(1):151–7
Mutations affecting translational fidelity in the eucaryote Podospora anserina: characterization of two ribosomal restrictive mutations. Picard-Bennoun M. **MGG** 1981; 183(1):175–80
Altered transcriptional termination in a rifampicin-resistant mutant of Escherichia coli which inhibits the growth of bacteriophage T7. Schwarz TF, et al. **MGG** 1981; 183(1):181–6
Kinetic suppression of translational errors by (p)ppGpp. Wagner EG, et al. **MGG** 1982;185(2):269–74
Two-dimensional electrophoretic separation and fluorographic analysis of the gene products synthesized by Hymenolepis diminuta with particular reference to the parasite-specific polypeptides in the brush border membrane. Atkinson BG, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):33–43
Proteins synthesized during specific stages of the schizogonic cycle and conserved in the merozoites of Plasmodium chabaudi. Falanga PB, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):55–65
Preparation and in vitro translation of mRNA from Fasciola hepatica. Irving DO, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):337–48
Cytoplasmic nonpolysomal ribonucleoprotein complexes and translational control. Bag J, et al. **Mol Cell Biochem** 1981 Nov 13;40(3):129–41
Preliminary characterization of the transcriptional and translational products of the Saccharomyces cerevisiae cell division cycle gene CDC28. Reed SI, et al. **Mol Cell Biol** 1982 Apr;2(4):412–25
Endogenous read-through of a UGA termination codon in a Saccharomyces cerevisiae cell-free system: evidence for involvement of both a mitochondrial and a nuclear tRNA. Tuite MF, et al. **Mol Cell Biol** 1982 May;2(5):490–7
Partial nucleotide sequence of human calcitonin precursor mRNA identifies flanking cryptic peptides. Craig RK, et al. **Nature** 1982 Jan 28;295(5847):345–7
Variety in the level of gene control in eukaryotic cells. Darnell JE Jr. **Nature** 1982 Jun 3;297(5865):365–71 (151 ref.)
Point mutation in the TATA box curtails expression of sea urchin H2A histone gene in vivo. Grosschedl R, et al. **Nature** 1981 Nov 12;294(5837):178–80
A role for mRNA secondary structure in the control of translation initiation. Hall MN, et al. **Nature** 1982 Feb 18; 295(5850):616–8
Evolution of early mechanisms of translation of genetic information into polypeptides. Kuhn H, et al. **Nature** 1982 Aug 5;298(5874):585–6
Translation of mRNA for human granulocyte-macrophage colony stimulating factor. Lusis AJ, et al. **Nature** 1982 Jul 1;298(5869):75–7
Phaseolin mRNA is translated to yield glycosylated polypeptides in Xenopus oocytes. Matthews JA, et al. **Nature** 1981 Nov 12;294(5837):175–6
Messenger RNA of infectious pancreatic necrosis virus is polycistronic. Mertens PP, et al. **Nature** 1982 May 20; 297(5863):243–6
Reconstitution of antigen-specific suppressor activity with translation products of mRNA. Taniguchi M, et al. **Nature** 1982 Jul 8;298(5870):172–4
Stop-go proteins [news] Warren G. **Nature** 1982 Jun 24; 297(5868):624–5
E. coli ribosomal protein L10 inhibits translation of L10 and L7/L12 mRNAs by acting at a single site. Yates JL, et al. **Nature** 1981 Nov 12;294(5837):190–2
Translation of mRNA associated with monosomes and residual polysomes following disaggregation of brain polysomes by LSD and hyperthermia. Cosgrove JW, et al. **Neurochem Res** 1982 Apr;7(4):505–18
Expression in male and genomic organization of the gene(s) coding for a major protein secreted by the rat seminal vesicle epithelium. Abrescia P, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1159–74
Usage of the three termination codons in a single eukaryotic cell, the Xenopus laevis oocyte. Bienz M, et al. **Nucleic Acids Res** 1981 Aug 11;9(15):3835–50
Regulation of protein synthesis in Tetrahymena: isolation and characterization of polysomes by gel filtration and precipitation at pH 5.3. Calzone FJ, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2145–61
Molecular cloning of human immune interferon cDNA and its expression in eukaryotic cells. Devos R, et al. **Nucleic Acids Res** 1982 Apr 24;10(8):2487–501
A coupled transcription-translation system from Agrobacterium tumefaciens and its application to study Ti plasmid expression in vitro. Kartašova T, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6763–72
Polypeptides encoded by polyadenylated and non-polyadenylated messenger RNAs from normal and heat shocked HeLa cells. Kioussis J, et al. **Nucleic Acids Res** 1981 Oct 24;9(20):5203–14
Protein synthesis and competitive ESR binding studies with E. coli ribosomes and spin-labeled polynucleotides. Ozinskas AJ, et al. **Nucleic Acids Res** 1981 Oct 24; 9(20):5483–92
Lysine tRNAs from Bacillus subtilis 168: function of the isoacceptors in a rabbit reticulocyte cell-free protein-synthesizing system. Smith DW, et al. **Nucleic Acids Res** 1982 May 25;10(10):3117–23
Origins of translation: the hypothesis of permanently attached adaptors. Tyagi S. **Orig Life** 1981 Dec;11(4):343–51
The extraction, characterization and in vitro translation of RNA from adult Schistosoma mansoni. Tenniswood MP, et al. **Parasitology** 1982 Apr;84(Pt 2):253–61
Cell-free translation of messenger RNAs from human muscle biopsies: a miniaturized tool for investigation of neuromuscular diseases. Munnich A, et al. **Pediatr Res** 1982 May;16(5):335–9
Protein synthesis induced by infection with packaged lambda dv plasmid. Akaboshi E, et al. **Plasmid** 1981 Nov; 6(3):315–24
Nonrandom distribution of histone mRNAs into polysomes and nonpolysomal ribonucleoprotein particles in sea urchin embryos. Baker EJ, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2455–9
Nascent polypeptide chains emerge from the exit domain of the large ribosomal subunit: immune mapping of the nascent chain. Bernabeu C, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3111–5
Hybridization-selected translation of Bombyx mori high-cysteine chorion proteins in Xenopus laevis oocytes. Bock SC, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1032–6
Molecular cloning of a cDNA sequence encoding a trophectoderm-specific marker during mouse blastocyst formation. Brûlet P, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2328–32
Detection of genes coding for human differentiation markers by their transient expression after DNA transfer. Chang LJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):146–50
Multiple HLA-DR antigens: detection with monoclonal antibodies and translation in vitro. Finn OJ, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2658–62
Regulation of protein synthesis: translational control by procollagen-derived fragments. Hörlein D, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6163–7
Translational regulation: identification of the site on bacteriophage T4 rIIB mRNA recognized by the regA gene function. Karam J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4669–73
Biogenesis of membrane-bound and secreted immunoglobulins: two primary translation products of the human delta chain, differentially N-glycosylated to four discrete forms in vivo and in vitro. McCune JM, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5127–31
Initiation factor-independent translation of mRNAs from Gram-positive bacteria. McLaughlin JR, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4912–6
In vitro translation of hypoxanthine/guanine phosphoribosyltransferase mRNA: characterization of a mouse neuroblastoma cell line that has elevated levels of hypoxanthine/guanine phosphoribosyltransferase protein. Melton DW, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6977–80
Conserved 5S rRNA complement to tRNA is not required for protein synthesis. Pace B, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):36–40
In vitro reconstruction of the mitochondrial translation system of yeast. Pfisterer J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4917–21
Proteins specified by avian erythroblastosis virus: coding region localization and identification of a previously undetected erb-B polypeptide. Privalsky ML, et al **Proc Natl Acad Sci USA** 1982 Jul;79(13):3958–62
Stimulation of Xenopus oocyte protein synthesis by microinjected adenovirus RNA. Richter JD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3789–93
Translational control of ribosomal protein L10 synthesis occurs prior to formation of first peptide bond. Robakis N, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4261–4
Reinitiation of translation from the triplet next to the amber termination codon in the absence of ribosome-releasing factor. Ryoji M, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):5973–7
Regulation of expression of MHC gene products: evidence from HLA variants. Pious D, et al. **Transplant Proc** 1981 Dec;13(4):1800–3
Translation of foot-and-mouth disease virion RNA and processing of the primary cleavage products in a rabbit reticulocyte lysate. Grubman MJ, et al. **Virology** 1982 Jan 15;116(1):19–30
Virus-specific transcription and translation in organs of BALB/Mo mice: comparative study using quantitative hybridization, in situ hybridization, and immunocytochemistry. Simon I, et al. **Virology** 1982 Jul 15;120(1):106–21
Translational control of early protein synthesis at the late stage of vaccinia virus infection. Vassef A, et al. **Virology** 1982 Apr 15;118(1):45–53
[Regulation of the expression of Escherichia coli genes coding for the proteins involved in translation] Grunberg-Manago M. **C R Soc Biol (Paris)** 1981; 175(4):426–45 (Eng. Abstr.) **(Fre)**
[Translation of mRNA extracted from human placenta in a wheat germ cell free system] Lasbennes A, et al. **C R Soc Biol (Paris)** 1981;175(4):517–24 (Eng. Abstr.) **(Fre)**
[Gene structure and gene expression. Chicken lysozyme gene] Schütz G. **Naturwissenschaften** 1981 Apr;68(4):170–6 (Eng. Abstr.) **(Ger)**
[Signal sequences in proteins (author's transl)] Rakowicz-Szulczyńska EM. **Postepy Biochem** 1981; 27(2):197–215 (76 ref.) **(Pol)**
[Interpretation of the low rate of polypeptide synthesis in mitochondria in vitro] Rabinovich IaM, et al. **Biokhimiia** 1982 Jan;47(1):43–6 (Eng. Abstr.) **(Rus)**
[Limitations in the translation of influenza virus mRNAs in infected cells] Zaides VM, et al. **Biokhimiia** 1981 Dec; 46(12):2174–8 (Eng. Abstr.) **(Rus)**
[Polypeptide synthesis dependent on kinetoplast DNA from Crithidia oncopelti in a cell-free system of E. coli] Zaltseva GN, et al. **Biokhimiia** 1981 Nov;46(11):2056–63 (Eng. Abstr.) **(Rus)**
[Messenger RNA production and translation for human immune interferon] Novokhatskii AS, et al. **Dokl Akad Nauk SSSR** 1981;261(4):997–1000 **(Rus)**
[Translation of RNA 4 from plant brome mosaic virus in an Escherichia coli cell-free system with pure protein factors in translation] Belitsina NV, et al. **Mol Biol (Mosk)** 1981 Nov-Dec;15(6):1234–44 (Eng. Abstr.) **(Rus)**
[Structure containing cellular mRNA in picornavirus infections] Kuroedov AA, et al. **Mol Biol (Mosk)** 1981 Sep-Oct;15(5):1123–30 (Eng. Abstr.) **(Rus)**
[Identification of the isoadenylate synthetase in the messenger RNA translation products of antiviral proteins] Sokolova TM, et al. **Vopr Virusol** 1981 May-Jun;(3):339–47 (Eng. Abstr.) **(Rus)**

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The 2-5A (pppA2'p5'A2'p5'A) and protein kinase systems in interferon-treated and control cells. Kerr IM, et al. **Adv Cyclic Nucleotide Res** 1981;14:469–78
Insulin stimulation of protein synthesis in cultured skeletal and cardiac muscle cells. Airhart J, et al. **Am J Physiol** 1982 Jul;243(1):C81–6
Lack of inhibition of protein synthesis by double-stranded RNA in a cell-free system prepared from human reticulocytes. Franco RS, et al. **Arch Biochem Biophys** 1982 Mar;214(1):186–91
Inhibition of protein synthesis on homologous and heterologous desensitization in the rat adipocyte. Balkin M, et al. **Biochem Biophys Res Commun** 1982 May 31; 106(2):298–304
The inhibition of brain protein synthesis following leucine or valine injection can be prevented. Binek-Singer P, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1209–15
Mechanism of interferon action: stability and translation of simian virus-40 early mRNA coding for T-antigen is comparable in untreated and interferon-treated monkey cells. Daher KA, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):697–703
Evidence for post-transcriptional effects of T3 on hepatic ferritin synthesis. Jump DB, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):701–7
Aurintriboxylic acid as both a stimulator and an inhibitor of cell-free protein synthesis by rat heart polyribosomes. Mackie CM, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):750–7
Regulation of protein synthesis in rabbit reticulocyte lysates: inhibition of eIF-2 phosphoprotein phosphatase by NaF, pyrophosphate and cations. Ranu SR, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):30–7
The inhibition of eucaryotic protein synthesis by procaryotic elongation factor Tu. Slobin LI. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1388–95
Stimulation of synthesis and translational activity of polyadenylated messenger RNA in wounded potato tubers by 2, 4-dichlorophenoxyacetic acid. Tripathi RK, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1218–25

Cortisol decreases the concentration of translatable type-I procollagen mRNA species in the developing chick-embryo calvaria. Oikarinen J, et al. **Biochem J** 1981 Sep 15;198(3):519-24

Inhibitors of animal cell-free protein synthesis from grains. Coleman WH, et al. **Biochim Biophys Acta** 1982 Mar 29; 696(3):239-44

Comparison of the misreading induced by streptomycin and neomycin. Grisé-Miron L, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):103-10

Characterization of a rabbit reticulocyte supernatant factor that reverses the translational inhibition of hemin deficiency. Gross M, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):219-26

The modulating effect of isoproterenol on DNA replication and protein synthesis. Synthesis patterns of the HMG proteins from electrostatically sorted salivary gland nuclei during the in vivo cell cycle. Pipkin JL, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):4213-1

Chloramphenicol inhibits hormone-dependent induction of cytoplasmic mRNA coding for the mitochondrial enzyme, carbamyl phosphate synthetase, in Rana catesbeiana tadpoles. Pouchelet M, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):67-76

The stimulation of globin synthesis by cobalt in reticulocytes with inhibited heme synthesis. Schulman HM, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):166-8

Effects of ethionine treatment of protein-synthesizing apparatus of rat liver 80 S ribosomes and 40 S ribosomal subunits. Takahashi Y, et al. **Biochim Biophys Acta** 1982 Apr 26;697(1):101-12

Differential stimulation by polyamines of phage RNA-directed synthesis of proteins. Watanabe Y, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):134-9

Cell-free translation of RNA isolated from aldosterone-treated toad bladder mucosal cells. Yang CP, et al. **Biochim Biophys Acta** 1981 Jun 26;654(1):86-93

Recovery of fast axonal transport and retinal protein synthesis in the rabbits after intraocular administration of vinblastine. Chihara E, et al. **Brain Res** 1982 Jun 3;241(1):179-81

Differential effects of ethanol and the rpsL1 (strA1) ribosomal mutation on the synthesis of an unusual protein coded by bacteriophages R17 and MS2 RNA. Laughrea M. **Can J Biochem** 1981 Oct;59(10):799-801

Thyroid hormone regulation of translation in tadpole tail muscle. Saleem M, et al. **Can J Biochem** 1980 Jun; 58(6):461-8

Modulation of hepatic transcription and translation during early stages of aflatoxin B1 carcinogenesis. Emeh JK, et al. **Carcinogenesis** 1981;2(5):373-8

TPA-induced inhibition of the expression of differentiative traits in cultured myotubes: dependence on protein synthesis. Cossu G, et al. **Differentiation** 1982;21(1):62-5

Effects of insulin on ribonucleic acid synthesis in toad urinary bladder. Cobb MH, et al. **Endocrinology** 1981 Dec; 109(6):2167-74

Estrogen receptor and stimulation of uterine protein synthesis in ovariectomized diabetic rats infused intravenously with 17 beta-estradiol. De Hertogh R, et al. **Endocrinology** 1982 Mar;110(3):741-8

Recovery from thyroid-stimulating hormone-induced refractoriness in thyroid slices: effect of removal of hormone and new protein synthesis. Field JB, et al. **Endocrinology** 1982 Mar;110(3):820-4

Thyroid hormone specifically inhibits prolactin synthesis and decreases prolactin messenger ribonucleic acid levels in cultured pituitary cells. Maurer RA. **Endocrinology** 1982 May;110(5):1507-14

Relationship between membrane permeability and the translation capacity of human HeLa cells studied by means of the ionophore nigericin. Alonso MA, et al. **Eur J Biochem** 1981 Aug;118(2):289-94

Does protein synthesis decline in lithium-treated sea urchin embryos because RNA synthesis is inhibited? Wolcott DL. **Exp Cell Res** 1982 Feb;137(2):427-31

Translation of mitochondrial proteins in digitonin-treated rat hepatocytes. Kuźela S, et al. **FEBS Lett** 1981 Nov 30; 135(1):89-92

Effects of purine and pyrimidine nucleoside 5'-di(tri) phosphate-3'-diphosphates on the Escherichia coli cell-free transcription and translation activity. Mukai J, et al. **FEBS Lett** 1982 May 17;141(2):251-3

Activation of human and mouse 2-5A synthetases and mouse protein P1 kinase by nucleic acids. Structure-activity relationships and correlations with inhibition of protein synthesis and interferon induction. Torrence PF, et al. **FEBS Lett** 1981 Aug 3;130(2):291-6

Translation of rat kidney mRNA after cadmium administration. Kuliszewski MJ, et al. **Int J Biochem** 1982; 14(1):33-40

Synthesis of a specific protein induced by zearalenone and its derivatives in rat uterus. Kawabata Y, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):801-8

Regulation of ovine follicle-stimulating hormone beta-chain mRNA by 17 beta-estradiol in vivo and in vitro. Alexander DC, et al. **J Biol Chem** 1982 Mar 10;257(5):2282-6

Kinetics of Phosphorylation of eIF-2 by the hemin-controlled repressor and casein kinase II. Inhibition by hemin and 2,3-diphosphoglyceric acid. Gonzatti-Haces MI, et al. **J Biol Chem** 1982 Jun 25;257(12):6642-5

Kinetics of protein synthesis inactivation by diphtheria toxin in toxin-resistant L cells. Evidence for a low efficiency receptor-mediated transport system. Heagy WE, et al. **J Biol Chem** 1981 Dec 25;256(24):12788-92

The use of porphyrins as probes to examine the requirement for hemin in the maintenance of protein synthesis in reticulocyte lysates. Hronis TS, et al. **J Biol Chem** 1981 Nov 25;256(22):11409-12

Inhibition of protein synthesis in vitro by procollagen-derived fragments is associated with changes in protein phosphorylation. McPherson JM, et al. **J Biol Chem** 1982 Aug 10;257(15):8557-60

Cyclic AMP regulation of lactate dehydrogenase. Quantitation of lactate dehydrogenase M-subunit messenger RNA in isoproterenol-and N6,O2'-dibutyryl cyclic AMP-stimulated rat C6 glioma cells by hybridization analysis using a cloned cDNA probe. Miles MF, et al. **J Biol Chem** 1981 Dec 10;256(23):12545-52

Is transformation associated with an increased error frequency in mammalian cells? Pollard JW, et al. **J Biol Chem** 1982 Jun 10;257(11):5977-9

Kinetics of protein synthesis inactivation by ricin-anti-Thy 1.1 monoclonal antibody hybrids. Role of the ricin B subunit demonstrated by reconstitution. Youle RJ, et al. **J Biol Chem** 1982 Feb 25;257(4):1598-601

Post-transcriptional control of protein synthesis in Balb/c-3T3 cells by platelet-derived growth factor and platelet-poor plasma. Cochran BH, et al. **J Cell Physiol** 1981 Dec;109(3):429-38

Inhibitors of protein synthesis on 80S ribosomes phase shift the Gonyaulax clock. Taylor WR, et al. **J Exp Biol** 1982 Apr;97:121-36

Action of nucleotide derivatives on translation in encephalomyocarditis virus-infected mouse cells. Carrasco L. **J Gen Virol** 1981 May;54(Pt 1):125-34

Effects of cap analogue or cap removal on the translation of rat brain mRNA in vitro. Ven Murthy MR. **J Neurochem** 1982 Jan;38(1):41-51

Differential inhibition of globin chain synthesis by tosyl-L-lysyl chloromethyl ketone. Mbikay M, et al. **Life Sci** 1981 Nov 2;29(18):1873-9

Polyamines and antibiotic effects on translation. Goldemberg SH, et al. **Med Biol** 1981 Dec;59(5-6):360-7

Procedures for studying transcription and translation of viral and host nucleic acids in interferon-treated cells. Joklik WK. **Methods Enzymol** 1981;79(Pt B):307-30

Enzymology of interferon action--a short survey. Lengyel P. **Methods Enzymol** 1981;79(Pt B):135-48

Procedures for isolation and assay of translation-inhibitory ribosome-associated proteins. Samuel CE. **Methods Enzymol** 1981;79(Pt B):292-302

Screening for mutants temperature sensitive in protein synthesis by using methionine analogues. Schmidt A, et al. **MGG** 1981;184(3):489-92

Nonselective inhibition of messenger RNA translation by highly purified low molecular weight RNA species from ribosomal salt wash of chick embryonic muscle. Mukherjee AK, et al. **Mol Biol Rep** 1981 Nov 30;8(1):51-6

Structural requirements of (2'-5') oligoadenylate for protein synthesis inhibition in human fibroblasts. Drocourt JL, et al. **Nucleic Acids Res** 1982 Mar 25;10(6):2163-74

Abundant androgen regulated mRNAs in mouse submandibular gland: cell-free translation of renin precursor mRNA. Pratt RE, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3433-49

Cell-free expression of the beta-galactosidase gene: a model system to study the effects of nucleotide analogs on transcription-translation. Zimmer M, et al. **Nucleic Acids Symp Ser** 1981;(9):225-8

Inhibition of protein synthesis in cell cultures by vanadate and in brain homogenates of rats fed vanadate. Montero MR, et al. **Physiol Chem Phys** 1981;13(3):281-7

Heat-stable inhibitor of translation in reticulocyte lysates. de Haro C, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3134-7

Proteins associated with poly(A)+RNA of cockerel liver: effects of estradiol stimulation. Johnson TR, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4088-92

Tumor promoters alter gene expression and protein phosphorylation in avian cells in culture. Laszlo A, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6241-5

5'-O-Monophosphoryladenylyl(2' goes to 5')adenylyl(2' goes to 5')adenosine is an antagonist of the action of 5'-O-triphosphoryladenylyl-(2' goes to 5')adenylyl(2' goes to 5')adenosine and double-stranded RNA. Torrence PF, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):5993-7

Selective inhibition of cellular protein synthesis by amphotericin B in EMC virus-infected cells. Alonso MA, et al. **Virology** 1981 Oct 15;114(1):247-51

[Translation initiation factor activity in Krebs-2 cells infected with the encephalomyocarditis virus] Dizhur AM, et al. **Dokl Akad Nauk SSSR** 1981;261(4):1013-6 **(Rus)**

[Alpha-tocopherol and actinomycin D regulation of ubiquinone and protein biosynthesis in rat liver in E-hypovitaminosis] Donchenko GV, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):69-72 (Eng. Abstr.) **(Rus)**

[Biological activity of tRNA in rat liver during cycloheximide-blocked translation] Goncharov NI. **Ukr Biokhim Zh** 1982 Mar-Apr;54(2):204-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Lysogenic induction of lambdoid phages in lexA mutants of Escherichia coli. Sedgwick SG, et al. **MGG** 1981; 184(3):457-9

TRANSLATIONS

[Employment of foreign language interpreters in the health services] Klebak S, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3488-91 (Eng. Abstr.) **(Dan)**

[Should simultaneous translations be retained at international medical congresses?] Daar M. **Nouv Presse Med** 1982 Apr 3;11(15):1151-2 **(Fre)**

[On a translation and an Italian interpretation of Copernicus] Petroni AM. **Med Secoli** 1980 Sep-Dec;17(3):383-416 **(Ita)**

TRANSLOCATION (GENETICS)

14q12 translocation in a non-Burkitt lymphoma. Miyamoto K, et al. **Acta Med Okayama** 1981 Oct;35(4):285-7

Chromosome translocations in couples with multiple spontaneous abortions. Michels VV, et al. **Am J Hum Genet** 1982 May;34(3):507-13

Unstable familial translocations: A t(11;22)mat inherited as a t(11;15). Tomkins DJ. **Am J Hum Genet** 1981 Sep; 33(5):745-51

3:1 meiotic disjunction in a mother with a balanced translocation, 46,XX,t(5,14)(p15;q13) resulting in tertiary trisomy and tertiary monosomy offspring. Abeliovich D, et al. **Am J Med Genet** 1982 May;12(1):83-9

Brief clinical report: dup(4p15 leads to 4pter) in a 19-year-old woman resulting from a maternal 4;14 translocation. Clark CE, et al. **Am J Med Genet** 1982 Jan; 11(1):37-42

Pseudomosaicism in prenatal diagnosis: two simultaneous, independent reciprocal translocations. Cohen MM, et al. **Am J Med Genet** 1981;10(4):395-8

Meiotic segregation in familial reciprocal translocation t(8q;22q). Gödde-Salz E, et al. **Am J Med Genet** 1982 Feb; 11(2):241-7

Phenotypic effects of inherited balanced translocation. Ying Z, et al. **Am J Med Genet** 1982 Feb;11(2):177-84

A Robertsonian translocation in the domestic pig (Sus scrofa) 37,XX,-13,-17,t rob(13;17). Alonso RA, et al. **Ann Genet (Paris)** 1982;25(1):50-2

Y-autosome translocation in Cacajao calvus rubicundus (Platyrrhini). Dutrillaux B, et al. **Ann Genet (Paris)** 1981; 24(4):197-201

Balanced reciprocal (X;9) translocation in a girl with primary amenorrhea. Leddet-Chevallier I, et al. **Ann Genet (Paris)** 1981;24(3):162-4

Translocation 46,X,t(Y;14)(q122;q111) in a case of sterility in the male. Petit P, et al. **Ann Genet (Paris)** 1982;25(1):63-4

Partial duplication for the short arm of chromosome 2 : the 2p23 to pter syndrome. Rosenfeld W, et al. **Ann Genet (Paris)** 1982;25(1):28-31

A new family with a satellited Y. Shabtai F, et al. **Ann Genet (Paris)** 1981;24(4):223-5

Genetic risks for familial reciprocal translocations with special emphasis on those leading to 9p, 10p and 12p trisomies. Stene J, et al. **Ann Hum Genet** 1982 Jan 1;46(Pt 1):41-74

Adenoid cystic carcinoma: a third type of human salivary gland neoplasms characterized cytogenetically by reciprocal translocations. Stenman G, et al. **Anticancer Res** 1982 Jan-Apr;2(1-2):11-5

Chromosome 15 in floppy infants. Berry AC, et al. **Arch Dis Child** 1981 Nov;56(11):882-5

Regulation of ribosomal RNA cistron number in a strain of Neurospora crassa with a duplication of the nucleolus organizer region. Rodland KD, et al. **Biochim Biophys Acta** 1982 May 31;697(2):162-9

Translocation 4; 11 in acute lymphoblastic leukemia: clinical characteristics and prognostic significance. Arthur DC, et al. **Blood** 1982 Jan;59(1):96-9

Cytologic characterization and significance of normal karyotypes in t(8;21 acute myeloblastic leukemia. Berger R, et al. **Blood** 1982 Jun;59(1):171-8

In vivo and in vitro activity of neutrophil alkaline phosphatase in acute myelocytic leukemia with 8;21 translocation. Kamada N, et al. **Blood** 1981 Dec; 58(6):1213-7

Translocation t (4; 11) in acute lymphocytic leukemia (ALL). Weh HJ, et al. **Blut** 1982 May;44(5):271-4

Significance of a (4;11) translocation in acute lymphoblastic leukemia. Esseltine DW, et al. **Cancer** 1982 Aug 1; 50(3):503-6

Sézary syndrome with a 14:14 (q12:q31) translocation. Shah-Reddy I, et al. **Cancer** 1982 Jan 1;49(1):75-9

Burkitt's lymphoma with 2/8 translocation: a case report with special reference to the clinical features. Abe R, et al. **Cancer Genet Cytogenet** 1982 Jun;6(2):135-52

Specific chromosome change in ovarian cancer [letter] Atkin NB, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):275-6

New types of unusual and complex Philadelphia chromosome (Ph1) translocations in chronic myeloid leukemia. Borgström GH. **Cancer Genet Cytogenet** 1981 Jan; 3(1):19-31

Burkitt cell leukemia without abnormalities of chromosomes No. 8 and 14. Douglass EC, et al. **Cancer Genet Cytogenet** 1982 Feb;5(2):181-5

Constitutional t(15;17) [letter] Ferro MT, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):89-91

The geographical distribution of 15;17 translocation in acute promyelocytic leukemia [letter] Fitzgerald PH, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):273–4

Variant translocation in Burkitt's lymphoma: 8;22 translocation in a French patient with an Epstein–Barr virus–associated tumor. Fraisse J, et al. **Cancer Genet Cytogenet** 1981 Mar;3(2):149–53

Clonal origin of the Philadelphia translocation in chronic myeloid leukemia demonstrated in somatic cell hybrids using an adenylate kinase–1 polymorphism. Geurts van Kessel AH, et al. **Cancer Genet Cytogenet** 1982 May; 6(1):55–8

Translocation (9;11)(p21;q23) in three cases of acute monoblastic leukemia. Hagemeijer A, et al. **Cancer Genet Cytogenet** 1982 Feb;5(2):95–105

9;22;15 complex translocation in Ph1 chromosome positive CML revealed by Giemsa–11 procedure in apparent lymphoid cells of blastic crisis. Hays T, et al. **Cancer Genet Cytogenet** 1981 Dec;4(4):283–92

Further cytogenetic studies on acute promyelocytic leukemia. Kondo K, et al. **Cancer Genet Cytogenet** 1982 May;6(1):39–46

'Masked' philadelphia chromosome (Ph1) due to an unusual translocation. Marinello MJ, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):227–32

Unusual Ph translocation in a preleukemia [letter] Michalski KA, et al. **Cancer Genet Cytogenet** 1982 May;6(1):89–90

Chromosome 14q+ in adult T–cell leukemia. Miyoshi I, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):251–9

Variant Ph1 translocations in CML and their incidence, including two cases with sequential lymphoid and myeloid crises. Oshimura M, et al. **Cancer Genet Cytogenet** 1982 Mar;5(3):187–201

Karyotype evolution in a case of chronic myelogenous leukemia with an unusual Philadelphia chromosome translocation, t(4;22), and an additional translocation, t(3;5). Sessarego M, et al. **Cancer Genet Cytogenet** 1981 Jan; 3(1):47–51

15/17 chromosome translocation in acute promyelocytic leukemia [letter] Sheer D, et al. **Cancer Genet Cytogenet** 1982 Apr;5(4):353–4

A photometric study of the standard Philadelphia (Ph1) translocation of chronic myeloid leukemia (CML). Wayne AW, et al. **Cancer Genet Cytogenet** 1982 Mar;5(3):253–6

Case of hereditary (4;5) translocation discovered prenatally. Sun NH, et al. **Chin Med J [Engl]** 1981 Sep;94(9):597–600

Position–effect variegation and chromosome structure of a heat shock puff in Drosophila. Henikoff S. **Chromosoma** 1981;83(3):381–93

A boy with true hermaphroditism and sex chromosome mosaicism and a fertile woman with Turner mosaicism in a family with a translocation 8p:19P. Annerén G, et al. **Clin Genet** 1981 Oct;20(4):289–95

Abnormal phenotype in a child with the same balanced translocation (5;7)(p15;q22) as his father. Caballin MR, et al. **Clin Genet** 1981 Dec;20(6):428–31

The identification of Y chromosome translocations following Distamycin A treatment. Cohen MM, et al. **Clin Genet** 1981 May;19(5):335–42

Complex chromosomal rearrangements [letter] Creasy MR, et al. **Clin Genet** 1981 Jun;19(6):481–2

Familial 5/14 translocation with triple X and 47,XY + 14q. Lancet M, et al. **Clin Genet** 1981 Jul;20(1):40–3

Familial reciprocal translocation, t(2;10)(p24;q26), resulting in duplication 2p and delection 10q. Larson LM, et al. **Clin Genet** 1982 Mar;21(3):187–95

Translocation X;9(q24;q34) in a girl with ovary dysfunction. Mijin K, et al. **Clin Genet** 1981 Dec;20(6):403–6

Follow–up of 32 children with autosomal translocations found among 11,148 consecutively newborn children from 1969 to 1974. Nielsen J, et al. **Clin Genet** 1981 Jul; 20(1):48–54

Partial trisomy 3q due to a de novo translocation t(X;3)(p21;q12). Oorthuys JW, et al. **Clin Genet** 1981 Aug; 20(2):130–4

Unusual chromosomal translocation, t(1p+,7q−), and familial leukemia in a patient with chronic myelomonocytic leukemia. Roush GC. **Conn Med** 1981 Dec;45(12):767–71

Breakpoint map of human translocation cell cultures available from the NIGMS human genetic mutant cell repository. Aronson MM, et al. **Cytogenet Cell Genet** 1981;30(3):179–89

A cyclical translocation, t(1;8;5), in the domestic chicken (Gallus domesticus). Bitgood JJ, et al. **Cytogenet Cell Genet** 1981;30(4):243–7

A unique Y/Y translocation in an infertile male. Butler MG, et al. **Cytogenet Cell Genet** 1981;31(3):175–7

Translocation (5p; 17q) in blast crisis of chronic myeloid leukemia. Hagemeijer A, et al. **Cytogenet Cell Genet** 1981; 30(4):205–10

Evidence of clonal attenuation, clonal succession, and clonal expansion in mass cultures of aging Werner's syndrome skin fibroblasts. Salk D, et al. **Cytogenet Cell Genet** 1981; 30(2):108–17

Cytogenetics of Werner's syndrome cultured skin fibroblasts: variegated translocation mosaicism. Salk D, et al. **Cytogenet Cell Genet** 1981;30(2):92–107

DNA measurements of chromosomes 9 and 22 of six patients with t(9;22) and chronic myeloid leukemia. Geraedts JP, et al. **Cytometry** 1980 Sep;1(2):152–5

Variant translocation in a non endemic case of Burkitt's lymphoma: t (8;22) in an Epstein–Barr virus negative tumour and in a derived cell line. Bertrand S, et al. **Eur J Cancer** 1981 May;17(5):577–84

Red blood cell glutathione peroxidase in simple trisomy 21 and translocation 21/22. Kędziora J, et al. **Experientia** 1982 May 15;38(5):543–4

Parental chromosomal rearrangements associated with repetitive spontaneous abortions. Simpson JL, et al. **Fertil Steril** 1981 Nov;36(5):584–90

A variant translocation (8;22) in a Japanese patient with Burkitt lymphoma. Miyoshi I, et al. **Gan** 1981 Feb; 72(1):176–7

Transposition of a DNA fragment flanked by two inverted Tn1 sequences. Dobritsa AP, et al. **Gene** 1981 Aug; 14(3):217–25

The entire compound autosomes of Drosophila melanogaster. Novitski E, et al. **Genetics** 1981 Jun;98(2):257–73

The genetic analysis of a reciprocal translocation, eT1(III; V), in Caenorhabditis elegans. Rosenbluth RE, et al. **Genetics** 1981 Nov–Dec;99(3–4):415–28

Cytogenetics of preimplantation embryos sired by bulls heterozygous for the 1/29 translocation. King WA, et al. **Hereditas** 1981;94(2):219–24

Meiotic behaviour of a rcp (13q−; 14q+) translocation in heterozygous pigs. King WA. **Hereditas** 1981;94(2):235–40

Gametic products transmitted by rcp(13q−;14q+) translocation heterozygous pigs, and resulting embryonic loss. King WA, et al. **Hereditas** 1981;95(2):239–46

Robertsonian translocations in Mus Musculus from N. E. Scotland and Orkney. Brooker PC. **Heredity (Edinburgh)** 1982 Apr;48(Pt 2):305–9

Primary hypogonadism and 13/15 chromosome translocation in Prader–Labhart–Willi syndrome. Wu RH, et al. **Horm Res** 1981;15(3):148–58

Non random position of metaphasic chromosomes: a study of radiation induced and constitutional chromosome rearrangements. Dutrillaux B, et al. **Hum Genet** 1981; 59(3):208–10

Translocations involving chromosome 12. I. A report of a 12.21 translocation in a woman with recurrent abortions, and a study of the breakpoints and modes of ascertainment of translocations involving chromosome 12. Ford JH, et al. **Hum Genet** 1981;58(2):144–8

Translocations of chromosome 12. II. A comparison of the distribution of sites of spontaneous and induced breakages. Ford JH. **Hum Genet** 1981;58(3):279–81

Characterization of a complex Philadelphia translocation (1p−;9q+;22q−) by gene mapping. Geurts van Kessel AH, et al. **Hum Genet** 1981;58(2):162–5

Different patterns of X chromosome inactivity in lymphocytes and fibroblasts of a human balanced X;autosome translocation. Hellkuhl B, et al. **Hum Genet** 1982;60(2):126–9

Unbalanced Robertsonian translocations associated with Down's syndrome or Patau's syndrome: chromosome subtype, proportion inherited, mutation rates, and sex ratio. Hook EB. **Hum Genet** 1981;59(3):235–9

X–autosome translocation with a breakpoint in Xq22 in a fertile woman and her 47,XXX infertile daughter. Madan K, et al. **Hum Genet** 1981;59(4):290–6

Segregation of a complex rearrangement of chromosomes 6, 7, 8, and 12 through three generations. Meer B, et al. **Hum Genet** 1981;58(2):221–5

Meiotic findings in human reciprocal 1;3 translocation. Mićić MD, et al. **Hum Genet** 1981;57(4):442–3

Retinoblastoma in a boy with a de novo mutation of a 13/18 translocation: the assumption that the retinoblastoma locus is at 13q141, particularly at the distal portion of it. Motegi T, et al. **Hum Genet** 1982;60(2):193–5

Complex balanced translocation of chromosomes 2, 3, and 13. Muneer RS, et al. **Hum Genet** 1981;59(2):182–4

NORs and satellite associations in a family with 13/14 translocation. Nikoliš J, et al. **Hum Genet** 1981;59(4):342–4

A Burkitt–lymphoma variant translocation (2p−; 8q+) in a patient with ALL, L3 (Burkitt type). Rowley JD, et al. **Hum Genet** 1981;58(2):166–7

Familial reciprocal translocation t(9;13)(p11;p12) investigated by silver staining and in situ hybridisation. Varley JM, et al. **Hum Genet** 1981;59(4):422–8

Nondisjunction of a translocation–chromosome t(4;13). Westmeier M, et al. **Hum Genet** 1981;59(4):337–41

Cytogenetic studies in a Y–to–X translocation observed in three members of one family, with evidence of infertility in male carriers. Yamada K, et al. **Hum Genet** 1982; 60(1):85–90

A 15/17 translocation in a patient with Prader–Labhart–Willi syndrome. Cavalli IJ, et al. **Hum Hered** 1982;32(3):149–51

Meiotic and synaptonemal complex studies in a 14/21 translocation carrier. Vidal F, et al. **Int J Androl** 1982 Feb; 5(1):21–6

EBV–positive Burkitt's lymphoma from Algeria, with a three–way rearrangement involving chromosomes 2, 8 and 9. Philip T, et al. **Int J Cancer** 1981 Oct 15;28(4):417–20

Non–random chromosomal changes involving chromosomes 6 and 7 in spontaneous rat immunocytomas. Wiener F, et al. **Int J Cancer** 1982 Apr 15;29(4):431–7

High–resolution analysis of chromosome markers in Burkitt lymphoma cell lines. Zhang S, et al. **Int J Cancer** 1982 Feb 15;29(2):153–7

Lavender, a chick melanocyte mutant with defective melanosome translocation: a possible role for 10 nm filaments and microfilaments but not microtubules. Mayerson PL, et al. **J Cell Sci** 1981 Oct;51:25–51

Reciprocal translocations and partial correlation of chromosomes in the stable fly. Willis NL, et al. **J Hered** 1981 Mar–Apr;72(2):104–6

A malformed baby with two separate de novo translocations. Chewings WE, et al. **J Med Genet** 1982 Feb;19(1):70–1

Meiotic behaviour of two human reciprocal translocations. Egozcue J, et al. **J Med Genet** 1981 Oct;18(5):362–5

Two Robertsonian translocations in a boy with mental retardation. Lieber E, et al. **J Med Genet** 1982 Jun; 19(3):229–32

Retardation of ovarian growth in male–sterile mice carrying an autosomal translocation. Mittwoch U, et al. **J Med Genet** 1981 Dec;18(6):414–7

A 5;7, 5;12 double reciprocal translocation in a normal mother and a 5;7 translocation with a recombinant chromosome 5 in her normal child. Tabor A, et al. **J Med Genet** 1981 Aug;18(4):307–9

Down's syndrome phenotype and autosomal gene inactivation in a child with presumed (X;21) de novo translocation. Taysi K, et al. **J Med Genet** 1982 Apr; 19(2):144–8

Translocation (X;6) in a female with Duchenne muscular dystrophy: implications for the localisation of the DMD locus. Zatz M, et al. **J Med Genet** 1981 Dec;18(6):442–7

Distance moved by transfer RNA during translocation from the A site to the P site on the ribosome. Johnson AE, et al. **J Mol Biol** 1982 Mar 25;156(1):113–40

Effect of translocation on topology and conformation of anticodon and D loops of tRNAPhe. Robertson JM, et al. **J Mol Biol** 1981 Sep 5;151(1):57–79

Aneuploid spermatocyte frequency in domestic sheep heterozygous for three Robertsonian translocations. Bruère AN, et al. **J Reprod Fertil** 1981 Sep;63(1):61–6

Brain cell chromosome translocation (2q;14q) associated with continuous partial epilepsy [letter] Carpentier S, et al. **Lancet** 1982 Jun 26;1(8287):1473

Patient with acute B–cell leukemia of Burkitt's type (L3) and marker chromosomes including an (8;14) translocation. Rodos G, et al. **Leuk Res** 1982;6(1):27–31

Cytogenetic studies on four cases of non–endemic Burkitt lymphoma. Slater RM, et al. **Med Pediatr Oncol** 1982; 10(1):71–84

Transposition of yeast mating type genes from two translocations of the left arm of chromosome III. Haber JE, et al. **Mol Cell Biol** 1981 Dec;1(12):1106–19

Non–homologue pairing and spontaneous meiotic interchanges in Drosophila melanogaster females. Chadov BF, et al. **Mutat Res** 1981 May;81(3):311–27

Neutrons and X–rays, comparative studies with Drosophila melanogaster. I. The viability and fertility of induced autosomal translocations. Leigh B, et al. **Mutat Res** 1981 Nov;84(1):101–5

Heritable translocation test in mice with triethylenemelamine (TEM) and ergotamine. Matter BE. **Mutat Res** 1982 Apr; 104(1–3):177–82

Influence of the MR (mutator) factor on X–ray–induced genetic damage. Sobels FH, et al. **Mutat Res** 1981 Sep; 83(2):201–6

Mitral–valve prolapse in a patient with translocation of chromosomes 14 and 18 [letter] Gelfand ML, et al. **N Engl J Med** 1981 Oct 29;305(18):1094

The role of gene dosage and genetic transpositions in carcinogenesis. Klein G. **Nature** 1981 Nov 26; 294(5839):313–8

Parental chromosome translocations and fetal loss. Tsenghi C, et al. **Obstet Gynecol** 1981 Oct;58(4):456–8

In vivo isolation of a pPJ3a–lambda cosmid mediated by the Tn2301 transposon. Piffaretti JC, et al. **Plasmid** 1981 Nov; 6(3):255–69

Testicular sperm reserves in cockerels bearing Z–autosome translocations. Blazak WF, et al. **Poult Sci** 1981 Sep; 60(9):2001–5

Familial renal cell carcinoma with a 3;11 chromosome translocation limited to tumor cells. Pathak S, et al. **Science** 1982 Sep 3;217(4563):939–41

An 18p– syndrome due to 15/18 translocation with facial palsy and deafness. Adachi K, et al. **Tohoku J Exp Med** 1981 Mar;133(3):307–11

A variant translocation (11;22) (p15;q11) in a patient with chronic myelocytic leukemia. Tadano J, et al. **Tokai J Exp Clin Med** 1981 Jul;6(3):241–5

Down syndrome associated with a familial 14/21 translocation. Hanna EJ, et al. **Ulster Med J** 1981; 50(2):95–8

Double reciprocal translocation heterozygosity in a bull. De Schepper GG, et al. **Vet Rec** 1982 Feb 27;110(9):197–9

[Does inherited balanced translocation produce phenotypic effects? (author's transl)] Zhao Y. **Chung Hua I Hsueh Tsa Chih** 1981 Dec;61(12):770–3 **(Chi)**

[A newly discovered homologous 14q14q Robertsonian translocation in man (author's transl)] Zhou HG. **Chung Hua I Hsueh Tsa Chih** 1981 Nov;61(11):670–4 (Eng. Abstr.) **(Chi)**

[Trisomy 21 by translocation (21q,21q) in two sibs of a mother with a supernumerary microchromosome (author's transl)] Prieto F, et al. **Ann Genet (Paris)** 1981;24(2):117–9 (Eng. Abstr.) **(Fre)**

[Increased activity of adenine phosphoribosyl transferase in a child trisomic for 16q22.2 to 16qter due to malsegregation of a t(16;21) (q22.2;q22;2)pat (author's transl)] Rethoré MO, et al. **Ann Genet (Paris)** 1982;25(1):36–42 (Eng. Abstr.) **(Fre)**

[Correlation between variant translocation and the expression of immunoglobulin light chains in Burkitt-type lymphomas and leukemias] Lenoir G, et al. **C R Seances Acad Sci [III]** 1981 Nov 2;293(8):427–9 (Eng. Abstr.) **(Fre)**

[Translocation (3;20) and anorchism] Gilgenkrantz S, et al. **J Genet Hum** 1981 Sep;29(3):321–7 **(Fre)**

[Practical and psychological difficulties of a consanguinity study. Apropos of a family with a 2q +, 6q–translocation] Mettey R, et al. **J Genet Hum** 1981 Sep;29(3):359–63 **(Fre)**

[Fatal hypoplasia of the left heart in 2 brothers an reciprocal chromosome translocation (8;11) (p211;pl.53) in their mother: difficulties in genetic counseling] Poissonnier M, et al. **J Genet Hum** 1981 Sep;29(3):297–319 (Eng. Abstr.) **(Fre)**

[Three cases of acute promyelocytic leukemia. Exhibition of the t(15; 17) translocation in the three cases (author's transl)] Fraisse J, et al. **Nouv Rev Fr Hematol** 1981 Sep; 23(3):163–4 (Eng. Abstr.) **(Fre)**

[A+(8,13) translocation followed for 3 generations] Turpin JC, et al. **Pediatrie** 1981 Sep;36(6):469–77 (Eng. Abstr.) **(Fre)**

[Cytogenetic, gynaecological and sonographic aspects of twin pregnancy with parental Robertsonian translocation 13/14 (author's transl)] Schwanitz G, et al. **Geburtshilfe Frauenheilkd** 1982 Feb;42(2):98–102 (Eng. Abstr.) **(Ger)**

[Autosomal translocation in gynaecology and obstetrics. 2. Cytogenetic findings (author's transl)] Weise W. **Zentralbl Gynakol** 1982;104(6):329–42 (Eng. Abstr.) **(Ger)**

[Autosomal translocation in gynaecology and obstetrics. 1. Reproduction behaviour and chance of chromosomal translocation carriers (author's transl)] Weise W. **Zentralbl Gynakol** 1982;104(6):321–8 (Eng. Abstr.) **(Ger)**

[Familial translocation 2; 17 with partial trisomy 2q32 to 2qter] Tancredi F, et al. **Pediatria (Napoli)** 1981 Mar 31; 89(1):35–40 (Eng. Abstr.) **(Ita)**

[A case of acute non-lymphocytic leukemia with t (8q–; 21q+) and cytochemically myelomonocytic appearance (author's transl)] Ishikura H, et al. **Rinsho Ketsueki** 1982 Mar;23(3):408–14 (Eng. Abstr.) **(Jpn)**

[Translocation (45,XY,t/13q;14q) in a child with congenital hypertrophic pyloric stenosis] Swiątkowska A, et al. **Pediatr Pol** 1981 Nov–Dec;56(11–12):1369–71 **(Pol)**

[Role of genetic disorders in the etiology of nephroblastoma] Sporny S. **Wiad Lek** 1981 May 15;34(10):835–8 (16 ref.) **(Pol)**

[Mosaic variant of the translocation form of syndrome 18q–] Badalian LO, et al. **Genetika (Moskva)** 1981;17(10):1867–71 (Eng. Abstr.) **(Rus)**

[Fertility and the cytogenetic analysis of the early embryogenesis stages in mice with T(16, 17)43H chromosomal translocation] Baranov VS, et al. **Genetika (Moskva)** 1981;17(8):1454–60 (Eng. Abstr.) **(Rus)**

[Prenatal diagnosis of the cri-du-chat syndrome in the case of balanced 5p–; 18p+ translocation in the mother] Zolotukhina TV, et al. **Genetika (Moskva)** 1981; 17(7):1304–8 (Eng. Abstr.) **(Rus)**

[Phenotypic disorders in balanced reciprocal translocation: karyotype 46,XY,rcp(13; 21)(q22; q22)] Badalian LO, et al. **Tsitol Genet** 1982 Mar–Apr;16(2):17–21 (Eng. Abstr.) **(Rus)**

[Rb(2.6)4IEM: a new Robertsonian marker translocation in Mus musculus laboratory mice] Baranov VS. **Tsitologiia** 1981 Dec;23(12):1362–7 (Eng. Abstr.) **(Rus)**

[Features of higher nervous activity in mice with Robertsonian chromosomal translocations] Krushinskii LV, et al. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):446–54 (Eng. Abstr.) **(Rus)**

[Partial trisomy 11q;22q (author's transl)] Benítez J, et al. **An Esp Pediatr** 1981 Sep;15(3):293–300 (Eng. Abstr.) **(Spa)**

[9p trisomy syndrome. Two new cases (author's transl)] Martín Sánchez A, et al. **An Esp Pediatr** 1981 May; 14(5):344–51 (Eng. Abstr.) **(Spa)**

[Frequency of Ag-stained NOR and satellite associations in four 14/21 translocation carriers and in their normal relatives (author's transl)] Carnevale A, et al. **Rev Invest Clin** 1981 Oct–Dec;33(4):365–8 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Kinetic aspects of tetracycline action on the acceptor (A) site of Escherichia coli ribosomes. Semenkov YuP, et al. **FEBS Lett** 1982 Jul 19;144(1):125–9

Quantitative study of kanamycin action on different functions of Escherichia coli ribosomes. Semenkov YuP, et al. **FEBS Lett** 1982 Jul 19;144(1):121–4

Protein H encoded by plasmid Clo DF13 involved in lysis of the bacterial host. II. Functions and regulation of synthesis of the gene H product. Hakkaart MJ, et al. **MGG** 1981;183(2):326–32

Lack of association between induction of dominant-lethal mutations and induction of heritable translocations with benzo[a]pyrene in postmeiotic germ cells of male mice. Generoso WM, et al. **Mutat Res** 1982 May;94(1):155–63

New approaches to mutagenicity studies in animals for carcinogenic and mutagenic agents. I. Modification of the heritable translocation test. Adler ID. **Teratogenesis Carcinog Mutagen** 1980;1(1):75–86

The heritable translocation assay: its relationship to assessment of genetic risk for future generations. Bishop JB, et al. **Teratogenesis Carcinog Mutagen** 1980;1(3):305–32

[Effectiveness of using different radioprotectors for protecting the germ cells of male mice from the genetic action of radiation. 2. A frequency study of reciprocal translocations in the spermatogonia] Pomerantseva MD, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):841–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Genetic control of Delia (Hylemya) antiqua--VI. X-irradiation of fertilized females to produce translocations. Robinson AS. **Int J Appl Radiat Isot** 1981 Mar;32(3):143–6

Metaphase I delay as a factor influencing translocation yield from spermatogonial irradiation in mice carrying Robertsonian translocations. Crocker M. **Mutat Res** 1982 Mar;103(3–6):339–43

Clonal analysis of radiation-induced translocations in stem-cell spermatogonia of normal and T70H translocation heterozygous mice. Zwanenburg TS, et al. **Mutat Res** 1981 Sep;83(2):207–19

TRANSMISSIBLE ENTERITIS OF TURKEYS see **ENTERITIS, TRANSMISSIBLE, OF TURKEYS**

TRANSMISSIBLE GASTROENTERITIS OF SWINE see **GASTROENTERITIS, TRANSMISSIBLE, OF SWINE**

TRANSPHOSPHORYLASES see **PHOSPHOTRANSFERASES**

TRANSPLANTATION

see related
HISTOCOMPATIBILITY TESTING
NEOPLASM TRANSPLANTATION
TISSUE DONORS
TISSUE PRESERVATION

Prospects in transplantation. Hamburger J. **Ann Clin Res** 1981;13(4–5):169–71

Consent and 'donations' from the dead. Lombardo PA. **Hastings Cent Rep** 1981 Dec;11(6):9–11

Ethical dilemmas in transplantation. West JC, et al. **J Iowa Med Soc** 1981 Sep;71(9):379–81

Theoretical and experimental bases of the ex vivo organ conditioning prior to transplantation. I. Metabolic possibilities. Păuşescu E. **Physiologie** 1982 Jan–Mar; 19(1):41–55 (123 ref.)

The right of public access to cadaver organs. Perry C. **Soc Sci Med [F]** 1981 Dec;15F(4):163–6

First International Symposium on the Role of Blood Transfusion in Transplantation. February 1–3, 1982, Los Angeles, California. Proceedings. **Transplant Proc** 1982 Jun;14(2):247–423

[Transplantation without laws? Legal status of organ donation] Wolfslast G. **MMW** 1982 Feb 5;124(5):105–9 **(Ger)**

[Current status and future prospects of organ transplantation] Doronzo L. **Clin Ter** 1982 May 31;101(4):441–5 (Eng. Abstr.) **(Ita)**

[A proposal for the amendment of Law No. 644 of 2 December 1975 on Regulation of the removal of parts of cadavers for the purpose of therapeutic transplantation, and rules concerning the removal of the hypophysis from cadavers for the production of extracts for therapeutic use: (Off. Gazz. No. 344, 19 December 1975)] Mocavero G, et al. **Minerva Anestesiol** 1982 Jan–Feb;48(1–2):87–9 (Eng. Abstr.) **(Ita)**

[Tissue and organ preservation and transplantation problems] Lapchinskii AG. **Ortop Travmatol Protez** 1981 Apr; (4):34–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Bone marrow transplantation from unrelated volunteer donors: summary of a conference on scientific, ethical, legal, financial, and other practical issues. **Transfusion** 1982 Jan–Feb;22(1):78–81

ECONOMICS

Prediction of negative crossmatch: an aid for cost-effective kidney sharing. Mickey MR, et al. **Transplant Proc** 1982 Jun;14(2):279–81

HISTORY

Experimental human skin allografts, the hla complex, and a Nobel prize. Converse JM. **Plast Reconstr Surg** 1982 Aug; 70(2):255–62

The patients. **Transplant Proc** 1981 Mar;13(1):77–83

The succession from kidney to liver transplantation. Starzl TE. **Transplant Proc** 1981 Mar;13(1):50–4

[L. Ollier and his role in the development of surgery and transplantology (on the 150th anniversary of his birth)] Mirskii MB. **Ortop Travmatol Protez** 1981 Oct;(10):75–6 **(Rus)**

INSTRUMENTATION

A table to use during bone graft shaping. Whinery JG. **J Oral Maxillofac Surg** 1982 Feb;40(2):107

METHODS

A simple method of preparing chick eggs for chorio-allantoic grafts. McLachlan JC. **Experientia** 1982 Jan 15;38(1):141–2

[Moral-theological aspects of transplantation surgery] Böckle F. **Med Welt** 1981 Nov 20;32(47):1783–6 **(Ger)**

[Current status of organ transplantation] Pichlmayr R. **Med Welt** 1981 Nov 20;32(47):1774–7 **(Ger)**

[Fetal organ donors: pregnancy termination to acquire organs?] Piechowiak H. **Med Welt** 1981 Nov 20; 32(47):1799–801 **(Ger)**

[Forensic problems of organ transplantation] Spann W. **Med Welt** 1981 Nov 20;32(47):1782 **(Ger)**

[Are viable tissues necessary for the plastic repair of tissue defects?] Eingorn AG, et al. **Ortop Travmatol Protez** 1981 Jul;(7):65–9 **(Rus)**

REHABILITATION

Physical recreation after renal transplantation. Simms MH, et al. **Transplant Proc** 1982 Jun;14(2):452–3

VETERINARY

Transplantation immunology. A review of some biological and veterinary implications. I. Detection and inheritance of some antigens affecting graft survival. Dixon JB. **Vet Res Commun** 1982 May;5(3):205–21 (29 ref.)

TRANSPLANTATION, ALLOGENEIC see **TRANSPLANTATION, HOMOLOGOUS**

TRANSPLANTATION ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

TRANSPLANTATION, AUTOLOGOUS

Intraportal splenic autotransplantation in rats: feasibility and effectiveness. Oakes DD, et al. **J Surg Res** 1982 Jan; 32(1):7–14

[Humoral immune response after splenic experimental autotransplantation in the dog (author's transl)] Aznar Aznar A, et al. **An Esp Pediatr** 1981 May;14(5):337–43 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Tumour-like growth of parathyroid autografts in uraemic patients. Frei U, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:548–55

Doppler ultrasound in the diagnosis of vascular occlusion in renal transplantation.. Wood RF, et al. **Transplantation** 1982 May;33(5):547–51

HISTORY

Marrow transplantation in the treatment of acute childhood leukemia. Historical development and current approaches. Johnson FL. **Am J Pediatr Hematol Oncol** 1981 Winter; 3(4):389–95 (36 ref.)

METHODS

Autoalloplast. An experimental and clinical study. Stucker FJ Jr. **Arch Otolaryngol** 1982 Mar;108(3):130–41

Renal autotransplantation. Gil-Vernet JM. **Eur Urol** 1982; 8(2):61–73

Microvascular free bone transfer with revascularization of the medullary and periosteal circulation or the periosteal circulation alone. A comparative experimental study. Berggren A, et al. **J Bone Joint Surg [Am]** 1982 Jan; 64-A(1):73–87

A Chinese concept of treatment of extensive third-degree burns. Chih-chun Y, et al. **Plast Reconstr Surg** 1982 Aug; 70(2):238–54

[The crossed-leg flap with the fixateur externe technic] Müller KH, et al. **Aktuel Traumatol** 1982 Apr;12(2):53–61 (Eng. Abstr.) **(Ger)**

VETERINARY

Split-thickness autogenous skin transplantation in the horse. Booth LC. **J Am Vet Med Assoc** 1982 Apr 1;180(7):754–7

TRANSPLANTATION, HETEROLOGOUS

Normal keratinized mucosa transplants in nude mice. Holmstrup P, et al. **Acta Odontol Scand** 1981;39(4):187–93

Prolongation of intrasplenic islet xenograft survival. Janney CG, et al. **Am J Pathol** 1982 Apr;107(1):1–5

Some biological properties of bovine trypsinized fascia xenografts. Komender A, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):485–9

A human choriocarcinoma xenograft in nude mice; a model for the study of antibody localization. Searle F, et al. **Br J Cancer** 1981 Aug;44(2):137–44

Polytetrafluoroethylene and bovine grafts for vascular access in patients on long-term hemodialysis. Doyle DL, et al. **Can J Surg** 1982 Jul;25(4):379–82

Transplantation of human malignant tumors to the athymic rat. Dawson PJ, et al. **Cancer** 1982 Sep 15;50(6):1151–4

Xenografts of human bladder cancer in immune-deprived mice. Kovnat A, et al. **Cancer Res** 1982 Sep;42(9):3696–703

Biological behavior of human malignant tumors grown in the nude mouse. Kyriazis AP, et al. **Cancer Res** 1981 Oct; 41(10):3995–4000

The evaluation of Kiel bone in spinal fusions. McMurray GN. **J Bone Joint Surg [Br]** 1982;64(1):101–4

The vascular bed as the primary target in the destruction of skin grafts by antiserum. II. Loss of sensitivity to antiserum in long-term xenografts of skin. Jooste SV, et al. **J Exp Med** 1981 Nov 1;154(5):1332–41

Chronic T. mentagrophytes dermatophytosis of guinea pig skin grafts on nude mice. Green F 3d, et al. **J Invest Dermatol** 1982 Aug;79(2):125–9

Survival of human erythrocytes in primate animals. Castro O, et al. **J Med Primatol** 1981;10(1):55–60

Kielbone in new attachment attempts in Humans. Nielsen IM, et al. **J Periodontol** 1981 Dec;52(12):723–8

Influence of histamine and serotonin antagonists on the growth of xenografted human colorectal tumors. Barkla DH, et al. **JNCI** 1981 Dec;67(6):1207–11

Characteristics of xenograft. II. Cytostatic effector mechanism for xenograft rejection. Nomoto K, et al. **Jpn J Exp Med** 1981 Apr;51(2):81–7

Regional growth differences of human tumour xenografts in nude mice. Dipersio LP. **Lab Anim** 1981 Apr; 15(2):179–80

Heterotopic heart transplantation in the rat. Zisbrod Z, et al. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):455–8

Human malignant melanoma heterotransplanted to nude mice. Tropé C, et al. **Neoplasma** 1981;28(5):585–91

Characterization of lymphocytes from rejected and nonrejected islet xenografts. Janney CG, et al. **Transplantation** 1982 Jun;33(6):585–7

Prolongation of islet xenograft survival by in vitro culture of rat megaislets in 95% O2. Lacy PE, et al. **Transplantation** 1982 Jun;33(6):588–92

Xenografts of human ameloblastoma tissue and odontogenic mesenchyme to hypothymic mice. Prime SS, et al. **Transplantation** 1982 May;33(5):561–2

[A new way of producing autogenous cancellous bone graft (author's transl)] Sárváry A. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):65–71 (Eng. Abstr.) **(Hun)**

[Rejection mechanisms of xenogeneic tumor graft in the cheek pouch of hamster (author's transl)] Shiraishi M. **Fukuoka Igaku Zasshi** 1981 Oct;72(10):575–88 (Eng. Abstr.) **(Jpn)**

[A study on heterotransplantation of human stomach carcinoma to the nude mouse.(author's transl)] Takao S, et al. **Igaku Kenkyu** 1980 Oct;50(7):508–14 (Eng. Abstr.) **(Jpn)**

[Transplantation of retinoblastoma into nude mouse. 3. Tumor doubling time of retinoblastoma (author's transl)] Totsuka S, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(4):418–25 (Eng. Abstr.) **(Jpn)**

[Characteristics of human choriocarcinoma transplanted in nude mice (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1655–63 (Eng. Abstr.) **(Jpn)**

[Experimental studies on ascites tumor of human osteosarcoma in nude mice (author's transl)] Yamada Y. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan;55(1):45–58 (Eng. Abstr.) **(Jpn)**

[Cytophotometric study of human strains of lung, laryngeal, kidney and Wilms' tumors transplanted in athymic mice. Part III] Revazova ES, et al. **Lab Delo** 1981;(12):726–8 (Eng. Abstr.) **(Rus)**

[Cells of hematopoietic origin in the connective tissue of various organs in xenogeneic murine radiation chimeras] Mikhina LV, et al. **Ontogenez** 1981;12(4):368–73 (Eng. Abstr.) **(Rus)**

[Significance of pig skin transplantation in treating severe burns] Gerasimov LI, et al. **Vestn Khir** 1982 Jan; 128(1):98–102 **(Rus)**

METHODS

A Chinese concept of treatment of extensive third-degree burns. Chih-chun Y, et al. **Plast Reconstr Surg** 1982 Aug; 70(2):238–54

TRANSPLANTATION, HOMOLOGOUS

Present and future trends in clinical transplantation. **Ann Clin Res** 1981;13(4–5):169–381

Immunological characteristics of cells infiltrating sponge-matrix allografts in rats. Grzelak-Puczyńska I, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):475–83

Specific migration of antigen-sensitive lymphocytes form the spleen to the site of allograft. Olszewski WL, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):529–34

The fetoplacental allograft. Billingham RE. **Cell Immunol** 1981 Aug;62(2):271–6

Induction of specific cell-mediated cytoxicity in vitro by means of RNA isolated from allografted mice. Holáň V, et al. **Folia Biol (Praha)** 1981;27(6):422–6

Organ donation and transplantation. **J Tenn Med Assoc** 1981 Jul;74(7):507–9, 515

Cosmas and Damian in the laboratory [letter] Black KS, et al. **N Engl J Med** 1982 Feb 11;306(6):368–9

Nerve allograft response: a quantitative immunological study. Mackinnon S, et al. **Neurosurgery** 1982 Jan;10(1):61–9

ADVERSE EFFECTS

Analysis of late infections after human bone marrow transplantation: role of genotypic nonidentity between marrow donor and recipient and of nonspecific suppressor cells in patients with chronic graft-versus-host disease. Atkinson K, et al. **Blood** 1982 Sep;60(3):714–20

Marrow transplantation for leukemia. Thomas ED. **J Clin Immunol** 1981 Jul;1(3):137–40

Accidental transplantation of tumour cells [letter] Pasquier B. **J Clin Pathol** 1981 Sep;34(9):1065–6

Prevention of lymphocele formation following renal allotransplantation. Burleson RL, et al. **J Urol** 1982 Jan; 127(1):18–9

Autopsy findings in bone marrow transplantation. Moir DH, et al. **Pathology** 1982 Apr;14(2):197–204

Advantage of long-term alternate day steroid therapy in renal transplantation: a controlled study. Dumler F, et al. **Proc Clin Dial Transplant Forum** 1980;10:215–9

Total parathyroidectomy for post-transplantation hyperparathyroidism. McCarron DA, et al. **Proc Clin Dial Transplant Forum** 1980;10:51–5

Therapeutic angiography in renal transplant complications. MacDonell RC Jr, et al. **Proc Clin Dial Transplant Forum** 1980;10:145–9

Prognostication for repair of transplant renal artery stenosis. Shirani KZ, et al. **Proc Clin Dial Transplant Forum** 1980; 10:141–4

Wound infections in renal transplant recipients--a complication of urinary tract infections during allograft malfunction. Lobo PI, et al. **Surgery** 1982 Sep;92(3):491–6

Angiosarcoma following renal transplantation. Alpers CE, et al. **Transplant Proc** 1982 Jun;14(2):448–51

Beta 2 microglobulins in rejection and cytomegalovirus infection in a cardiac transplant recipient. Goldman MH, et al. **Transplant Proc** 1982 Jun;14(2):437–9

Microangiopathic hemolytic anemia associated with hyperacute rejection of a kidney allograft. Kohler TR, et al. **Transplant Proc** 1982 Jun;14(2):444–7

Posttransplant lymphocele causing obstruction of the inferior vena cava and portal vein. Sollinger HW, et al. **Transplant Proc** 1982 Jun;14(2):440–1

Evolution of acute leukemia in a renal transplant patient--? Relationship to azathioprine. Hoy WE, et al. **Transplantation** 1982 Mar;33(3):331–3

Hemosiderosis: an unrecognized complication in renal allograft recipients. Rao KV, et al. **Transplantation** 1982 Feb;33(2):115–7

HISTORY

Marrow transplantation in the treatment of acute childhood leukemia. Historical development and current approaches. Johnson FL. **Am J Pediatr Hematol Oncol** 1981 Winter; 3(4):389–95 (36 ref.)

INSTRUMENTATION

Evaluation of sources of variation on the accuracy and reproducibility of microkeratome sections with the modified artificial anterior chamber. Maguen E, et al. **Ophthalmic Surg** 1982 Mar;13(3):217–20

METHODS

Experimental animal skin grafting simplified. Margalit M, et al. **J Immunol Methods** 1982;51(1):125–7

Experiences with the homograft tympanic membrane. Doyle PJ, et al. **J Otolaryngol** 1981 Oct;10(5):333–7

Homograft ossicles in tympanoplasty. Wehrs RE. **Laryngoscope** 1982 May;92(5):540–6

Alymphatic pedicles. Perloff LJ, et al. **Lymphology** 1981 Jun; 14(2):81–5 (24 ref.)

A Chinese concept of treatment of extensive third-degree burns. Chih-chun Y, et al. **Plast Reconstr Surg** 1982 Aug; 70(2):238–54

Cadaveric renal transplantation in a patient with extensive venous thrombosis. Barnes AD. **Transplant Proc** 1982 Jun; 14(2):442–3

MORTALITY

Cardiac transplantation in perspective for the future. Survival, complications, rehabilitation, and cost. Pennock JL, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):168–77

Pretransplant transfusion--a panacea? Birtch AG, et al. **Transplant Proc** 1982 Jun;14(2):305–7

Two random transfusions before primary renal transplantation--four years' experience from a single center. Frisk B, et al. **Transplant Proc** 1982 Jun;14(2):386–8

Renal allograft prognosis as a function of pretransplant parameters including transfusion history. Glass NR, et al. **Transplant Proc** 1982 Jun;14(2):290–2

The relationship of transfusion and presensitization with graft and patient survival. Sanfilippo F, et al. **Transplant Proc** 1982 Jun;14(2):287–9

REHABILITATION

Long-term rehabilitation of transplant patients. Simmons RG, et al. **Proc Clin Dial Transplant Forum** 1980;10:43–6

VETERINARY

Preliminary trial of synovial fluid transfer for treating joint lameness in Standardbreds. Rülcker C, et al. **Equine Vet J** 1981 Oct;13(4):264–6

TRANSPLANTATION IMMUNOLOGY

see related
HISTOCOMPATIBILITY TESTING
IMMUNOSUPPRESSION

Prevalence of antibody to Chlamydia in renal transplant recipients and other population groups. Wilson DJ, et al. **Am J Clin Pathol** 1982 Aug;78(2):228–31

Beneficial effects of heterologous antilymphoid globulins in renal transplantation: one 'believer's' view. Hardy MA. **Am J Kidney Dis** 1982 Jul;2(1):79–86

Effect of blood transfusion on renal allograft survival: immunologic considerations. Kerman RH. **Am J Kidney Dis** 1981 Sep;1(2):125–7

Antilymphocyte globulin: a clinical transplantation research opportunity. Monaco AP. **Am J Kidney Dis** 1982 Jul; 2(1):67–78

The role of heterologous antilymphocyte globulins in clinical transplantation. Rapaport FT. **Am J Kidney Dis** 1982 Jul; 2(1):65–6

Immunology of kidney transplantation. Chan SH. **Ann Acad Med Singapore** 1982 Jan;11(1):81–3

Transplantation of enzyme-treated teeth in the monkey Macaca fascicularis. Nevins A, et al. **Arch Oral Biol** 1982; 27(2):99–105

Host-parasite specificity in experimental trichinellosis models in the aspect of transplantation immunology. Bany J. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):95–104

The continuing quest for specific unresponsiveness in tissue and organ transplantation. Brent L. **Cell Immunol** 1981 Aug;62(2):264–70

Use of transplantable tissue in neurosurgery. Prolo DJ. **Clin Neurosurg** 1981;28:407–17

Recent understanding for the mechanism by which passively administered Rh antibody suppresses the immune response to Rh antigen in unimmunized Rh-negative women. Pollack W. **Clin Obstet Gynecol** 1982 Jun;25(2):255–65

Ontogeny of transplantation immunity in the common frog, Rana temporaria L. Płytycz B. **Differentiation** 1981; 20(1):71–6

Immunogenic cell variants of a mouse teratocarcinoma confer a protection against the original non-immunogenic transplantable tumor. Georlette M, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1083–7

The MLC response of lymphocytes from mice neonatally primed and tolerating skin allografts. Cukrová V, et al. **Folia Biol (Praha)** 1981;27(5):308–17

Induction of immunological tolerance in the progeny of tolerant parents. Hašek M, et al. **Folia Biol (Praha)** 1981; 27(5):360–2

Evidence for polymorphism of alloantigenic transplantation products of the histocompatibility locus (H-4) in linkage group I of Rattus norvegicus. Kršiaková M, et al. **Folia Biol (Praha)** 1981;27(4):225–32

Genetics and mode of presentation of antigenic determinants: influence on immunologic responsiveness in transplantation. Bromberg JS, et al. **Hum Immunol** 1982 Apr;4(2):157–66 (54 ref.)

Comparison of the sensitivity of in vivo detection of immunological tolerance in the xenogeneic system. Chutná J, et al. **Immunol Lett** 1982 May;4(5):275–7

Maintenance of allogeneic cell recognition in allograft tolerant mice. Viklický V, et al. **Immunol Lett** 1981 Nov; 3(5):289–91

Detection of tumor antigens by syngeneic antiserum on in vitro-transformed tracheal epithelial cell line 2-10-1. Braslawsky GR, et al. **Int J Cancer** 1982 Jun 15; 29(6):677–81

Transplantation resistance of drug-treated allogeneic mice against murine lymphomas--II. Studies with various tumor-host combinations. Bonmassar A, et al. **Int J Immunopharmacol** 1981;3(4):391–9

Immunologic requirements for the adoptive transfer of ectromelia virus meningitis. Berger ML. **J Neuropathol Exp Neurol** 1982 Jan;41(1):18–33

Immunologic tolerance to collagen and glycosaminoglycan components of scleral allografts in humans. Evidence for T cell suppression. Felts C, et al. **J Periodontol** 1981 Oct; 52(10):603–8

Evaluation of the immunogenicity of freeze-dried skin allografts in humans: cell-mediated response. Gher ME Jr, et al. **J Periodontol** 1982 May;53(5):325–7

The presence of class I MHC antigens at the maternal-fetal interface and hypotheses concerning the survival of the murine fetal allograft. Wegmann TG. **J Reprod Immunol** 1981 Nov;3(5):267–70

Further studies on the relationship between allotransplantability and the presence of the cell surface glycoprotein epiglycanin in the TA3-MM mouse mammary carcinoma ascites cell. Miller SC, et al. **JNCI** 1982 Jun; 68(6):981–8

Uremic escape of renal allograft rejection. van Schilfgaarde R, et al. **Neth J Surg** 1981 Oct;33(4):173–80

Induction of specific unresponsiveness in kidney transplant recipients. Batchelor JR, et al. **Proc Eur Dial Transplant Assoc** 1981;18:345–8

Altered immunoregulatory function in long-term renal allograft recipients. Guttmann RD, et al. **Proc Eur Dial Transplant Assoc** 1981;18:357–61

Induction of specific transplantation tolerance via

immunisation with donor-directed idiotype(s). Häyry P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:426–32
Are transplantation antigens stable constituents on human renal allografts? Häyry P, et al.
Proc Eur Dial Transplant Assoc 1981;18:367–74
Evidence for major histocompatibility complex restriction in transplantation immunity. Silvers WK, et al.
Proc Natl Acad Sci USA 1982 Jan;79(1):171–4
Pretreatment of renal allograft recipients with azathioprine and donor-specific blood products. Anderson CB, et al. **Surgery** 1982 Aug;92(2):315–21
Second International Symposium on Immunologic Monitoring of the Transplant Recipient. **Transplant Proc** 1981 Sep;13(3):1519–750
Cloning of human T lymphocytes in transplantation. Kristensen T, et al. **Transplant Proc** 1981 Sep;13(3):1642–4
[Transplantation antigens] Häyry P. **Duodecim** 1981; 97(18):1492–9 (Eng. Abstr.) **(Fin)**
[Evaluation of renal transplant function by 99mTc-DTPA dynamic imaging (author's transl)] Berger H, et al.
Nuklearmedizin 1980 Dec;19(6):263–70 (Eng. Abstr.) **(Ger)**
[Experience with intensive plasma exchange] Gratwohl A, et al. **Schweiz Med Wochenschr** 1980 Oct 4;110(40):1449–51 (Eng. Abstr.) **(Ger)**
[Immunologic control of patients after kidney transplantation] Kaden J, et al. **Z Urol Nephrol** 1981 Oct; 74(10):771–8 **(Ger)**
[Morphological aspects of the tissue reaction to a preserved xenogenic bone graft in the rabbit] Laurentaci G, et al. **Chir Organi Mov** 1979 Nov-Dec;65(6):711–6 (Eng. Abstr.) **(Ita)**
[Immunizing properties of a preserved xenogenic bone graft in the rabbit] Tatò FB. **Chir Organi Mov** 1979 Nov-Dec; 65(6):707–10 **(Ita)**
[Immunological aspects of dental transplants] Azzolina LS, et al. **Minerva Stomatol** 1981 Jul-Aug;30(4):241–58 (117 ref.) (Eng. Abstr.) **(Ita)**
[Specific immunosuppressive methods] Inou T.
Nippon Rinsho 1981 Apr;39(4):1821–6 **(Jpn)**
[Effect of transplantation immunity reactions induced in the mother on the development of the offspring] Masternak TB, et al. **Akush Ginekol (Mosk)** 1981 Jun;(6):28–31 (Eng. Abstr.) **(Rus)**
[Role of the erythrocytes in transplantation immunity reactions] Vasilenko VT. **Arkh Patol** 1981;43(5):25–31 (Eng. Abstr.) **(Rus)**
[Characteristics of the biological role of spontaneous killer cells in humans] Zaretskaia IuM, et al.
Biull Eksp Biol Med 1982 Mar;93(3):104–6 **(Rus)**
[Bone marrow transplantation and immunologic reconstitution] Piazzon I, et al. **Medicina (B Aires)** 1981; 41(2):233–43 (243 ref.) **(Spa)**

DRUG EFFECTS

Studies on the mechanisms of the inhibitory effects of serum thymic factor on murine allograft immunity. Kaiserlian D, et al. **Cell Immunol** 1982 Jan 15;66(2):360–71
In vivo anti-tumor effects of local adoptive transfer of mouse and human cultured lymphoid cells. Gorelik E, et al.
Int J Cancer 1981 Aug 15;28(2):157–64
Prolongation of canine allograft survival with donor pretreatment. Brom HL, et al. **Kidney Int** 1982 Feb; 21(2):323–9
Theoretical and experimental bases of the ex vivo organ conditioning prior to transplantation. I. Metabolic possibilities. Pauşescu E. **Physiologie** 1982 Jan-Mar; 19(1):41–55 (123 ref.)
[Effect of pasteurization on the immunosuppressive activity of the alpha-globulin fraction in blood plasma] Bednařík T, et al. **Cesk Farm** 1981 Jun;30(5):166–8 (Eng. Abstr.) **(Cze)**

RADIATION EFFECTS

Increase of growth of the L5178Y murine lymphoma by means of immunization with radiated L5178Y cells. Ramos-Damián M, et al. **Arch Invest Med (Mex)** 1982; 13(1):29–31 **(Eng, Spa)**
Host modification on the skin allograft assay. Kemeny MM, et al. **J Surg Res** 1982 Jun;32(6):540–6
[Polyclonal tolerance inbred mice] Chimishkian KL, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):78–9 (Eng. Abstr.) **(Rus)**
[Decreased take of transplantable tumors after fractionated irradiation of normal tissues] Shiffer IV, et al.
Med Radiol (Mosk) 1982 Mar;27(3):35–43 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION, ISOGENEIC

METHODS

Pancreatic transplantation in the rat. A simplified method using aortic interposition and cuff techniques. Nolan MS, et al. **Transplantation** 1982 Mar;33(3):327–9

TRANSPLANTATION, SYNGENEIC see **TRANSPLANTATION, ISOGENEIC**

TRANSPORT, BIOLOGICAL see **BIOLOGICAL TRANSPORT**

TRANSPORT OF WOUNDED AND SICK see **TRANSPORTATION OF PATIENTS**

TRANSPORT PROTEINS see **CARRIER PROTEINS**

TRANSPORTATION

Persistent viral infections of food animals: their relevance to the international movement of livestock and germ plasm. Gibbs EP. **Adv Vet Sci Comp Med** 1981;25:71–100 (124 ref.)
Whole blood leukocyte vs. separated mononuclear cell blastogenesis in calves: time-dependent changes after shipping. Kelley KW, et al. **Can J Comp Med** 1981 Jul; 45(3):249–58
Participation of the elderly in a transportation system. Matthews SH. **Gerontologist** 1982 Feb;22(1):26–31
Transportation of radioactive material in Georgia. Carter MW, et al. **Health Phys** 1982 Jun;42(6):759–75
150 bicycle injuries in children: a comparison with accidents due to other causes. Illingworth CM, et al. **Injury** 1981 Jul;13(1):7–9
Influence of fasting and transit on ruminal and blood metabolites in beef steers. Galyean ML, et al.
J Anim Sci 1981 Jul;53(1):7–18
An analysis and reduction of disruptive behavior on school buses. Greene BF, et al. **J Appl Behav Anal** 1981 Summer; 14(2):177–92
Sickness absence in drivers of London taxis and buses. Erlam AR. **J Soc Occup Med** 1982 Jan;32(1):20–5
Injury patterns and helmet effectiveness among hospitalized motorcyclists. Carr WP, et al. **Minn Med** 1981 Sep; 64(9):521–7
Motorcyclists' pneumomediastinum [letter] Nath KA, et al. **N Engl J Med** 1982 Aug 19;307(8):502
An ergo-ophthalmological battery of tests to classify truck drivers. Serra A. **Ophthalmologica** 1981;183(2):105–9
Skin temperature and motorcyclists' braking performance. Parry M. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1291–6
Incidence and prevalence of ischaemic heart disease among urban busdrivers in Copenhagen. Netterstrøm B, et al.
Scand J Soc Med 1981;9(2):75–9
Bruising and muscle pH in zebu crossbred and British breed cattle. Tyler R, et al. **Vet Rec** 1982 May 8;110(19):444–5
[A mobile combined transport and surgery unit for average-size animals] Kruff B, et al.
Berl Munch Tierarztl Wochenschr 1982 Jun 15;95(12):228–9 (Eng. Abstr.) **(Ger)**
[Energy expenditure in soldiers working on the public road and railroad construction] Rdzanek J, et al. **Med Pr** 1981; 32(4):297–302 (Eng. Abstr.) **(Pol)**
[Incidence and clinical manifestations of peptic ulcer in certain occupations] Peleshchuk AP, et al. **Vrach Delo** 1981 Nov;(11):17–9 **(Rus)**

METHODS

Comparison of some technical methods for the evaluation of whole-body vibration. Hansson JE, et al. **Ergonomics** 1981 Dec;24(12):953–63
Safer transport of serum samples [letter] Hansman D.
Med J Aust 1981 Aug 8;2(3):152–3
From beltline to steering wheel: the vanishing space. An informal study of persistent weight gain of truck drivers. Rather RJ, et al. **SD J Med** 1981 Mar;24(3):21–4

STANDARDS

Medical aspects of transportation aboard commercial aircraft. AMA commission on emergency medical services.
JAMA 1982 Feb 19;247(7):1007–11

TRANSPORTATION OF PATIENTS

Reflections on the organization of mass burns treatment. Simko S. **Acta Chir Plast (Prague)** 1981;23(3):197–200
Unexpected events during patient transfer [letter] Rylah LT. **Anaesthesia** 1982 Jun;37(6):700
Portable ventilation system for transport of critically ill patients. Viegas OJ, et al. **Anesth Analg (Cleve)** 1981 Oct; 60(10):760–1
The MGM Grand Hotel fire: lessons learned from a major disaster. Buerk CA, et al. **Arch Surg** 1982 May;117(5):641–4
Newborn transport in metropolitan Sydney: experience with a newborn intensive care unit based regional transport service. Barr PA, et al. **Aust Paediatr J** 1981 Jun;17(2):95–9
Portable ventilators [letter] Boidin MP. **Br J Anaesth** 1982 Aug;54(8):900
Aeromedical transport: its hidden problems. Parsons CJ, et al. **Can Med Assoc J** 1982 Feb 1;126(3):237–43
Neonatal emergency transport drug box. Zenk KE, et al. **Drug Intell Clin Pharm** 1982 Feb;16(2):122–5
Plan makes surgical suite evacuation orderly. **Hospitals** 1981 Nov 1;55(21):54–5
The impact of moving a geriatric population: mortality and emotional aspects. Dube AH. **J Chronic Dis** 1982;35(1):61–4
Patient preparation and transfer to a regional spinal cord injury center. Buchanan LE. **J Neurosurg Nurs** 1982 Jun; 14(3):137–9
The importance of prompt transport of salvage of patients with penetrating heart wounds. Gervin AS et al.
J Trauma 1982 Jun;22(6):443–8
Newborn transport in South Australia, 1978–80: experience of the Queen Victoria Hospital, Adelaide. Davies AG, et al. **Med J Aust** 1982 Jan 23;1(2):70–2
Resuscitation, stabilization and transport of the ill newborn infant. Part II: stabilization and transport. Johnson DE, et al. **Minn Med** 1982 Apr;65(4):249–53
The University of Nebraska Medical Center's fixed wing patient air transport system. Ornato JP, et al.
Nebr Med J 1982 Jun;67(6):155–8
The utilisation and organisation of the aeromedical transportation service in Jamaica. Hanna WJ, et al.
West Indian Med J 1981 Sep;30(3):129–36
[Practical realisation of continuous positive airway pressure in mobile care unit (author's transl)] Gabry AL, et al.
Anesth Analg (Paris) 1981;38(9–10):541–4 (Eng. Abstr.) **(Fre)**
[A light respirator for transport (author's transl)] Virenque C, et al. **Anesth Analg (Paris)** 1981;38(9–10):565–8 (Eng. Abstr.) **(Fre)**
[Transfer of neonates in northern france. Factors of mortality (author's transl)] Goujard J, et al. **Arch Fr Pediatr** 1982 Jan;39(1):41–7 (Eng. Abstr.) **(Fre)**
[Extra-hospital emergencies. Proposal for a regional aid plan for Northern Lombardy and adjacent areas using helicopters] Serra GC, et al. **Minerva Anestesiol** 1982 Jan-Feb;48(1-2):73–86 (Eng. Abstr.) **(Ita)**
[Experiences in long-distance medical transport of high risk patients] Bordone G, et al. **Minerva Med** 1982 Apr 21; 73(17):1071–6 (Eng. Abstr.) **(Ita)**
[The Sikorskj HH-3F in rescue activities and in air medical transport] Rotondo G, et al. **Minerva Med** 1981 Oct 6; 72(38):2535–48 (Eng. Abstr.) **(Ita)**
[The aviation health service and the Irpino-Lucano earthquake. Diary of an emergency (24 November – 18 December, 1980)] **Riv Med Aeronaut Spaz** 1980 Jul-Dec; 43(3-4):392–400 **(Ita)**
[Transport of disabled persons in Oslo] Anker-Nilssen J, et al. **Tidsskr Nor Laegeforen** 1982 Jan 30;102(3):192–5 (Eng. Abstr.) **(Nor)**
[The pre-hospital phase of acute myocardial infarction. A study of pre-hospital delays and the conditions of transportation to hospital at the Troms county] Madsen P. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1436–8 (Eng. Abstr.) **(Nor)**
[Pre-hospital delays in suspected acute myocardial infarction] Sire S. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1439–41 (Eng. Abstr.) **(Nor)**
[Use of counterpulsation in combined intensive therapy and resuscitation during the transport of patients with complicated forms of myocardial infarct] Gorodkov VG. **Anesteziol Reanimatol** 1981 May-Jun;(3):57–60 (Eng. Abstr.) **(Rus)**
[Therapeutic and evacuation measures in burns] Pleskachev IA, et al. **Voen Med Zh** 1981 Sep;(9):63–4 **(Rus)**
[Prehospital care of patients with acute myocardial infarct treated at the internal medicine department in the general hospital in Vrbas from 1977 to 1980] Leković S.
Med Pregl 1981;34(11-12):513–6 (Eng. Abstr.) **(Scc)**

METHODS

Helicopter transportation of patients with obstetric emergencies in an urban area. Elliott JP, et al.
Am J Obstet Gynecol 1982 May 15;143(2):157–62
Effects of hypoxia on the mother and fetus with emphasis on maternal air transport. Parer JT.
Am J Obstet Gynecol 1982 Apr 15;142(8):957–61
President's page: access to medical care. Frelick RW.
Del Med J 1981 Sep;53(9):437–8
Casualty handling: the 'Davidson' Canvas Casualty Carrying Sheet Mk 1. Davidson AF. **J R Nav Med Serv** 1981; 67(2):90–1
Transferring the comatose head-injured patient [letter] Price DG. **Lancet** 1981 Oct 31;2(8253):985–6
Effects of lifting techniques on energy expenditure: a preliminary investigation. Geden EA. **Nurs Res** 1982 Jul-Aug;31(4):214–8
Perceived exertion during patient lifts. An evaluation of the importance of various factors for the subjective strain during lifting and carrying of patients. A study at a geriatric hospital. Dehlin O, et al. **Scand J Rehabil Med** 1982; 14(1):11–20
[Transportation of patients by the DRK in East Germany – a part of primary medical care] Döhler G.
Z Arztl Fortbild (Jena) 1981 Feb 1;75(3):128–32 **(Ger)**
[The pre-hospital phase of myocardial infarct] Herzberg H, et al. **Z Arztl Fortbild (Jena)** 1981 Jun 1;75(11-12):547–51 **(Ger)**
[Universal litter-securing attachment for the USP-G trucks] Mordukhovich GM. **Voen Med Zh** 1981 Nov;(11):55 **(Rus)**
[Current methods of transport immobilization] Sokolovich GE, et al. **Voen Med Zh** 1982 Apr;(4):61–2 **(Rus)**

STANDARDS

Resuscitation and transfer of trauma patients: a prospective study. Hicks TC, et al. **Ann Emerg Med** 1982 Jun; 11(6):296–9
A new approach for quality assurance. Hansen PJ.
Aviat Space Environ Med 1981 Oct;52(10):627–8
Medicine and the law. Hospital's duty to provide assistance to visiting ambulancemen. Brahams D. **Lancet** 1982 Mar 27;1(8274):751
Hazards of inter-hospital transfer of comatose head-injured

patients. Gentleman D, et al. **Lancet** 1981 Oct 17; 2(8251):853–4

TRANSPOSABLE ELEMENTS see **DNA INSERTION ELEMENTS**

TRANSPOSITION OF GREAT VESSELS

Hang–out time of pulmonary valve in d–transposition of great arteries [letter] Anderson RH. **Br Heart J** 1982 Sep; 48(3):302–3

[Definition and classification of the double–outlet right ventricle (author's transl)] Kawashima Y. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):967–71 (20 ref.) (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Transposition of the great vessels in an infant exposed to massive doses of oral contraceptives. Redline RW, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):468–9

COMPLICATIONS

Interrupted aortic arch type A associated with congenitally corrected transposition of great arteries and ventricular septal defect. Successful direct aortic anastomosis and pulmonary artery banding in an infant. Cottrell AJ, et al. **Br Heart J** 1981 Dec;46(6):671–4

Aortic atresia with 'corrected transposition of the great arteries' (atrioventricular and ventriculoarterial discordance). Deanfield JE, et al. **Br Heart J** 1981 Dec; 46(6):683–6

'Complete–transposition–like' coronary arterial pattern in single ventricle with inverted infundibulum and transposition of the great arteries. Schneeweiss A, et al. **Cardiovasc Intervent Radiol** 1981;4(3):148–50

Two successful pregnancies in a patient with single ventricle and transposition of the great arteries. Leibbrandt G, et al. **Int J Cardiol** 1982;1(3–4):257–62

Abnormalities of the tricuspid valve in complete transposition of the great arteries with ventricular septal defect. Huhta JC, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):569–76

Tricuspid valve abnormalities in DORV with subpulmonic VSD [letter] Huhta JC, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):154–5

Disturbance of conduction system in corrected transposition of the great vessels. Okamoto Y, et al. **Nippon Geka Hokan** 1980 Sep 1;49(5):680–8

Congenitally corrected transposition of the great arteries with tricuspid incompetence: successful treatment by xenograft valve replacement in a 15–month–old child. Ross A, et al. **Thorax** 1981 Mar;36(3):217–8

[Supero–inferior ventricles and hearts with crossed circulation. Apropos of 2 cases. Review of the literature] Morville P, et al. **Arch Mal Coeur** 1981 May;74(5):517–25 (Eng. Abstr.) **(Fre)**

[Neurologic disorders and cerebral lesion in children with TGA (transposition of the great arteries) (author's transl)] Keck EW, et al. **Monatsschr Kinderheilkd** 1981 Jan; 129(1):45–7 (Eng. Abstr.) **(Ger)**

[Pulmonary vascular disease in a newborn with complete transposition of the great arteries and intact ventricular septum. Case report (author's transl)] Alampi G, et al. **G Ital Cardiol** 1981;11(6):847–9 (Eng. Abstr.) **(Ita)**

[Clinical conference at the 2nd Department of Surgery, Okayama University. 1. Transposition of great vessels associated with VSD and PS] **Kyobu Geka** 1981 Nov; 34(11):902–5 **(Jpn)**

[Orthotopical implantation of St. Jude Medical(SJM) valvular prosthesis in a corrected transposition of great arteries with systemic atrioventricular valve regurgitation. A case report (author's transl)] Honda T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):144–8 (Eng. Abstr.) **(Jpn)**

[Visualization of the pulmonary arteries by means of transseptal puncture] García EJ, et al. **Rev Esp Cardiol** 1981;34(2):163–6 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Transposition of the great arteries. Samánek M. **Acta Univ Carol [Med] (Praha)** 1981;27(1–2):3–132 (176 ref.)

False diagnosis of subpulmonary obstruction by echocardiography in d–transposition of the great arteries. Johnson GL, et al. **Am J Cardiol** 1982 Jun;49(8):1984–9

Reliability of systolic time intervals in diagnosis of transposition of great arteries in newborn. Sandor GG, et al. **Br Heart J** 1981 Jul;46(1):74–9

Congenital absence of the pulmonary valve leaflets associated with complete transposition of the great arteries. Ovseyevitz J, et al. **Int J Cardiol** 1982;1(3–4):263–71

Atrioventricular and ventriculoarterial discordance (corrected transposition of the great arteries). Wide–angle two–dimensional echocardiographic assessment of ventricular morphology. Hagler DJ, et al. **Mayo Clin Proc** 1981 Oct;56(10):591–600

M–mode echocardiographic assessment of D–transposition of the great arteries and associated defects. Aziz KU, et al. **Pediatr Cardiol** 1982;2(2):131–40

[Echocardiographic manifestations of D–transposition of the great vessels (author's transl)] Jiang L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Dec; 9(4):287–91 (Eng. Abstr.) **(Chi)**

[Corrected transposition of the great vessels in the aged. Presentation of a case, review of the literature on the development and an anatomical and histological study of the conduction system] Joris H, et al. **Arch Mal Coeur** 1981 Aug;74(8):951–60 (Eng. Abstr.) **(Fre)**

[Comparative study of uni– and bidimensional echocardiography in the diagnosis of transposition of the great vessels without pulmonary stenosis. Apropos of 40 cases] Rey C, et al. **Arch Mal Coeur** 1981 May;74(5):547–54 (Eng. Abstr.) **(Fre)**

ETIOLOGY

[Cardiological problems in the neonatal period (author's transl)] von Bernuth G. **Z Geburtshife Perinatol** 1981 Aug; 185(4):200–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Congenital mitral valve anomalies in transposition of the great arteries. Moene RJ, et al. **Am J Cardiol** 1982 Jun; 49(8):1972–8

Growth and development of ventricular walls in complete transposition of the great arteries with intact septum (simple transposition). Smith A, et al. **Am J Cardiol** 1982 Feb 1; 49(2):362–8

The three types of criss–cross heart: a simple rotational anomaly. Tadavarthy SM, et al. **Br J Radiol** 1981 Sep; 54(645):736–43

Left ventricular wall thickness in complete transposition of the great arteries. Huhta JC, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):97–101

Anomalous semilunar valve relationships in transposition of the great arteries. Rosenquist GC, et al. **Pediatr Cardiol** 1982;2(3):195–202

Quantitative morphometric analysis of the pulmonary arteries in two patients with D–transposition of the great arteries and persistence of the fetal circulation. Dick M 2nd, et al. **Pediatr Res** 1981 Nov;15(11):1397–401

[Inversion of the ventricles and major vessels] Bondarev IuI, et al. **Arkh Patol** 1981;43(9):35–43 (Eng. Abstr.) **(Rus)**

[Complete transposition of the major vessels] Chachava TM, et al. **Kardiologiia** 1982 Apr;22(4):81–3 (Eng. Abstr.) **(Rus)**

[Congenital cyanogenic cardiopathy (clinical conference)] **Bol Med Hosp Infant Mex** 1982 May;39(5):367–79 **(Spa)**

[Supracommissural coronary ostium in a case of transposition of the great vessels. Surgical implications] Fuster Siebert M, et al. **Rev Esp Cardiol** 1982;35(1):87–90 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Pulmonary atresia and transposition of the great arteries. Monitoring of the transcutaneous oxygen tension during palliative measures in two cases. Nielsen G, et al. **Biotelem Patient Monit** 1982;9(1):45–8

Longevity in transposition of the great arteries. Johnson CD. **Bol Asoc Med PR** 1981 Jul;73(7):344–50

Isovolumic contraction time of right ventricle in d–transposition [letter] **Br Heart J** 1981 Aug;46(2):226–7

Hang–out time of pulmonary valve in d–transposition of great arteries. Fouron JC, et al. **Br Heart J** 1982 Mar; 47(3):277–80

Systemic ventricular function in patients with tetralogy of fallot, ventricular septal defect and transposition of the great arteries repaired during infancy. Borow KM, et al. **Circulation** 1981 Nov;64(5):878–85

[Echocardiographic study of corrected transposition (author's transl)] Vargas Barrón J, et al. **Arch Inst Cardiol Mex** 1982 May–Jun;52(3):219–22 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Wide vascular pedicle on thoracic roentgenogram in complete transposition of the great arteries. Schneeweiss A, et al. **Clin Cardiol** 1982 Jan;5(1):75–7

[Posteroanterior chest films in corrected transposition of the great arteries (author's transl)] Rivoal E, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):177–83 **(Fre)**

[Malpositions of the heart and the great vessels by CT (author's transl)] Köster O, et al. **Z Kardiol** 1982 Apr; 71(4):305–14 (Eng. Abstr.) **(Ger)**

SURGERY

Exercise assessment of sinoatrial node function following the Mustard operation. Hesslein PS, et al. **Am Heart J** 1982 Mar;103(3):351–7

Mustard operation in the 1st month of life. Bailey LL, et al. **Am J Cardiol** 1982 Mar;49(4):766–70

Radionuclide angiocardiography in evaluation of patients after repair of transposition of the great arteries. Hurwitz RA, et al. **Am J Cardiol** 1982 Mar;49(4):761–5

Correcting transposition of the great arteries. Heyman S. **AORN J** 1982 Jul;36(1):35–44

Balloon atrial septostomy under two dimensional echocardiographic control. Allan LD, et al. **Br Heart J** 1982 Jan;47(1):41–3

Left atrial pacing following Mustard's correction of transposition of the great vessels. Knauf DG, et al. **Chest** 1982 Mar;81(3):374–6

Surgical experience with anatomically corrected malposition of the great arteries without subpulmonary conus. Miyamura H, et al. **Chest** 1982 Jul;82(1):115–7

Assessment of right ventricular function during supine bicycle exercise after Mustard's operation. Benson LN, et al. **Circulation** 1982 Jun;65(6):1052–9

Mechanoreceptors in repair of TGA [letter] Braunlin EA, et al. **Circulation** 1982 Jun;65(6):1288

Long–term results after atrial repair of transposition of the great arteries in early infancy. Mahony L, et al. **Circulation** 1982 Aug;66(2):253–8

Echocardiographic features of patients with and without residual defects after Mustard's procedure for transposition of the great vessels. Thompson K, et al. **Circulation** 1981 Nov;64(5):1032–41

Corrected transposition and repair of associated intracardiac defects. Westerman GR, et al. **Circulation** 1982 Aug;66(2 Pt 2):I197–202

Supravalvular pulmonary stenosis after anatomic correction of transposition of the great arteries: causes and prevention. Yacoub MH, et al. **Circulation** 1982 Aug;66(2 Pt 2):I193–7

Two–stage anatomic correction of complete transposition of the great arteries: ventricular volumes and muscle mass. Lange PE, et al. **Herz** 1981 Dec;6(6):336–43

Surgical treatment of anomalies associated with corrected transposition of great arteries. Muralidharan S, et al. **Indian Heart J** 1981 Nov–Dec;33(6):281–3

Successful modified Senning operation for the repair of Taussig–Bing malformation. Abe T, et al. **J Cardiovasc Surg (Torino)** 1982 Jan–Feb;23(1):1–5

L–malposed great arteries with situs solitus and concordant atrioventricular connection. Coto EO, et al. **J Cardiovasc Surg (Torino)** 1982 Jul–Aug;23(4):277–86

Method for cardiac transplantation in corrected transposition of the great arteries. Reitz BA, et al. **J Cardiovasc Surg (Torino)** 1982 Jul–Aug;23(4):293–6

Arterial repair without coronary relocation for complete transposition of the great vessels with ventricular septal defect. Report of a case. Damus PS, et al. **J Thorac Cardiovasc Surg** 1982 Feb;83(2):316–8

Palliative repair of transposition of the great arteries with criss–cross heart: ventricular septal defect and hypoplastic right (systemic) ventricle. Dunn JM, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):755–60

Impeded coronary flow in anatomic correction of transposition of the great arteries: prevention, detection, and management. Goor DA, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):747–54

Anatomic correction of transposition of the great arteries. Jatene AD, et al. **J Thorac Cardiovasc Surg** 1982 Jan; 83(1):20–6

Successful repair of coexisting double–outlet right ventricle and two–chambered right ventricle. Judson JP, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):113–21

Anatomic correction of transposition of the great arteries. Lecompte Y, et al. **J Thorac Cardiovasc Surg** 1981 Oct; 82(4):629–31

Septation of the univentricular heart with left anterior subaortic outlet chamber. McKay R, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):77–87

Interposition of a modified aortic homograft conduit as main pulmonary trunk in anatomic correction of transposition of the great arteries. Report of two cases and technical considerations. Piccoli GP, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):429–35

Appraisal of the Mustard procedure for the physiological correction of 'simple' transposition of the great arteries. Eighty consecutive cases, 1970–1980. Piccoli GP, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):436–46

A new technique for correction of the Taussig–Bing anomaly. Smith EE, et al. **J Thorac Cardiovasc Surg** 1982 Jun; 83(6):901–4

Anatomically corrected malposition of the great arteries—case reports and a review. Oku H, et al. **Jpn Circ J** 1982 Jun;46(6):583–94

Hemodynamic residua and sequelae following intraatrial repair of transposition of the great arteries: a review. Graham TP Jr. **Pediatr Cardiol** 1982;2(3):203–13 (35 ref.)

Fatal over–distention of an atrioseptostomy catheter. Sondheimer HM, et al. **Pediatr Cardiol** 1982;2(3):255–7

[The surgical treatment of corrected transposition of the great arteries, situs inversus and dextrocardia (author's transl)] Sun PW, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Jun; 8(2):124–6 (Eng. Abstr.) **(Chi)**

[Balloon atrioseptostomy for palliation of cyanosis in complete transposition of great arteries (author's transl)] Zhang ZF. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Sep; 9(3):180–1 (Eng. Abstr.) **(Chi)**

[Disorders of heart rhythm after physiologic correction of uncorrected transposition of the great arteries using Mustard's technic] Bartáková H. **Cesk Pediatr** 1982 Apr; 37(4):180–4 (Eng. Abstr.) **(Cze)**

[Development and possibilities of modern surgical therapy of non–corrected transposition of the great arteries] Tláskal T, et al. **Rozhl Chir** 1980 Jul;59(7):448–59 (Eng. Abstr.) **(Cze)**

[Corrected transposition of the great arteries with a left–sided Ebstein–like anomaly and WPW–syndrome. A case diagnosed by two–dimensional echocardiography] Keller N, et al. **Ugeskr Laeger** 1981 Jul 27;143(31):1971–2 (Eng. Abstr.) **(Dan)**

[Anatomic correction of transposition of the great vessels with interventricular communication. A series of 24 consecutive operations] Hazan E, et al. **Arch Mal Coeur** 1981 May;74(5):599–608 (Eng. Abstr.) **(Fre)**

[Electrocardiographic and electrophysiologic studies after the senning procedure in patients with complete transposition of the great arteries (author's transl)] Henglein D, et al. **Herz** 1981 Dec;6(6):356–63 (Eng. Abstr.) **(Ger)**

[Right ventricular function in patients with transposition of the great arteries after atrial inversion (Mustard procedure) (author's transl)] Luhmer I, et al. **Herz** 1981 Dec;6(6):352–5 (Eng. Abstr.) **(Ger)**

[Prognosis of newborns with transposition of the great arteries after balloon-atrioseptostomy and after surgical atrial inversion (author's transl)] Mocellin R, et al. **Herz** 1981 Dec;6(6):325–35 (Eng. Abstr.) **(Ger)**

[Surgical treatment in complex forms of complete transposition of the great arteries (author's transl)] Schumacher G, et al. **Herz** 1981 Dec;6(6):344–51 (Eng. Abstr.) **(Ger)**

[Transposition of the great arteries: results of treatment in the years 1967—1980 (author's transl)] Knab I, et al. **Monatsschr Kinderheilkd** 1981 Nov;129(11):627–32 (Eng. Abstr.) **(Ger)**

[Oesophageal atresia type Vogt IIIB with fistula of the distal segment to the cervical trachea, combined with right descending aorta and further malformations (author's transl)] Kraeft H, et al. **Z Kinderchir** 1981 Apr;32(4):371–5 (Eng. Abstr.) **(Ger)**

[Mustards' physiologic corrective surgery for transposition of the great arteries] Hučin B. **Zentralbl Chir** 1981; 106(16):1096–100 **(Ger)**

[Indications to the surgical treatment of patients with 'simple' transposition of the great arteries. Analysis of 302 cases surgically treated according to mustard's technique (author's transl)] Piccoli GP, et al. **G Ital Cardiol** 1981; 11(12):2048–55 (Eng. Abstr.) **(Ita)**

[Rastelli operation as one stage correction for the infant with transposition of the great arteries and ventricular septal defect –report of two cases of successful repair (author's transl)] Naito Y, et al. **Kyobu Geka** 1981 Sep;34(9):661–8 (Eng. Abstr.) **(Jpn)**

[Follow-up study on successful anatomical total correction for transposition of the great arteries with intact ventricular septum (author's transl)] Nieda S, et al. **Kyobu Geka** 1981 Jul;34(7):566–70 (Eng. Abstr.) **(Jpn)**

[Evaluation of intravenous nitroglycerin in the management of pulmonary hypertension in complete transposition of great vessels late after operation (author's transl)] Iwanami H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar; 30(3):405–11 (Eng. Abstr.) **(Jpn)**

[Rastelli operation for an infant with complete transposition of the great arteries and ventricular septal defect (S.D.L.) (author's transl)] Matsuda H, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):138–43 (Eng. Abstr.) **(Jpn)**

[Reoperation for left pulmonary venous obstruction on the child with severe hemoptysis after Mustard operation for transposition of the great arteries (author's transl)] Matsukawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep;29(9):1516–23 (Eng. Abstr.) **(Jpn)**

[Surgical repair of the systemic atrioventricular valve incompetence with Ebstein's anomaly in corrected transposition of the great arteries (author's transl)] Nagata M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug; 29(8):1366–72 (Eng. Abstr.) **(Jpn)**

[Atrial septostomy with Schuster's technique in transposition of the great arteries–a case report of an infant successfully corrected by Senning operation subsequently (author's transl)] Nomoto S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep;29(9):1543–8 (Eng. Abstr.) **(Jpn)**

[Surgical results of transposition of the great arteries (author's transl)] Shimazaki Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov;29(11):1763–9 (Eng. Abstr.) **(Jpn)**

[Postoperative hemodynamic study of Jatene's operation for transposition of the great arteries. A case report (author's transl)] Shimazaki Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):132–7 (Eng. Abstr.) **(Jpn)**

[A modified Mustard procedure for complete left-sided juxtaposition of atrial appendages in d-TGA associated with ASD, VSD and PH (author's transl)] Takanashi Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Feb; 30(2):256–62 (Eng. Abstr.) **(Jpn)**

[Repair of double-outlet right ventricle (author's transl)] Takeuchi S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep;29(9):1452–8 (Eng. Abstr.) **(Jpn)**

[Basal and contrast bidimensional echocardiography in complete transposition of the great arteries. Pre- and postoperative study using the Senning technic] Pasalodos Pita J, et al. **Rev Esp Cardiol** 1982;35(2):151–7 (Eng. Abstr.) **(Spa)**

[Complicated transposition of great vessels. Surgical technic and results] Villagrá F, et al. **Rev Esp Cardiol** 1982; 35(1):51–5 (Eng. Abstr.) **(Spa)**

THERAPY

Arterial hyperoxia in a newborn infant with transposition of the great vessels. Batton DG, et al. **J Pediatr** 1982 Feb; 100(2):300–2

TRANSPOSONS see **DNA INSERTION ELEMENTS**

TRANSSEXUALISM

Sexual behaviour is independent of H-Y antigen constitution. Ciccarese S, et al. **Hum Genet** 1982;60(4):371–2

Psychiatric and legal implications of the new law for transsexuals in the Federal Republic of Germany. Pfäfflin F. **Int J Law Psychiatry** 1981;4(1–2):191–8

Transsexualism and access to a child. Thomson JM. **J Med Ethics** 1982 Jun;8(2):72

COMPLICATIONS

Homicidal transsexuals: three cases. Milliken CD. **Can J Psychiatry** 1982 Feb;27(1):43–6

Self-performed bilateral orchiectomy in transsexuals. Krieger MJ, et al. **J Clin Psychiatry** 1982 Jul;43(7):292–3

DIAGNOSIS

Childhood gender disturbance: diagnostic issues. Zucker KJ. **J Am Acad Child Psychiatry** 1982 May;21(3):274–80

DRUG THERAPY

Physical and hormonal evaluation of transsexual patients during hormonal therapy. Meyer WJ 3d, et al. **Arch Sex Behav** 1981 Aug;10(4):347–56

Recovery of hypophyseal-testicular function from sex steroid treatment and the pituitary response to castration in male transsexuals. Goh HH, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):519–23

ETIOLOGY

Amphetamine abuse and transsexualism. Lothstein LM. **J Nerv Ment Dis** 1982 Sep;170(9):558–71

Transsexualism. O'Gorman EC. **Practitioner** 1981 Nov; 225(1361):1643–9

HISTORY

From Sappho to Stand: historical perspective on crossdressing and cross gender. Steiner BW. **Can J Psychiatry** 1981 Nov;26(7):502–6

IMMUNOLOGY

[H-Y antigen in gender dysphoria and transsexualism (author's transl)] Bourgeois M, et al. **Encephale** 1981; 7(3):269–73 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Control of gonadotrophin secretion by steroid hormones in castrated male transsexuals. II. Effects of androgens alone and in combination with oestradiol on the secretions of FSH and LH. Goh HH, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):301–12

Suppression of androgen production by D-tryptophan-6-luteinizing hormone-releasing hormone in man. Tolis G, et al. **J Clin Invest** 1981 Sep;68(3):819–22

PSYCHOLOGY

Two types of cross-gender identity. Freund K, et al. **Arch Sex Behav** 1982 Feb;11(1):49–63

Psychological self-perception in male transsexuals, homosexuals, and heterosexuals. Skrapec C, et al. **Arch Sex Behav** 1981 Aug;10(4):357–70

Psychological adjustment in transvestism and transsexualism. Buhrich N. **Behav Res Ther** 1981;19(5):407–11

Preliminary results of Rorschach protocols of pre and post operative transsexuals. Fleming M, et al. **J Clin Psychol** 1982 Apr;38(2):408–15

The use of an animal drawing test in the assessment and disposition of transsexualism. Fleming M, et al. **J Clin Psychol** 1982 Apr;38(2):420–4

Pseudotranssexualism: iatrogenic gender dysphoria. Wise TN, et al. **J Homosex** 1981 Spring;6(3):61–6

Transsexualism or the gender dysphoria syndromes. Levine SB, et al. **J Sex Marital Ther** 1981 Summer;7(2):85–113

Male trans-sexuals in Singapore. Chia BH. **Singapore Med J** 1981 Oct;22(5):280–3

[Clinical aspects of a case of transexualism] Gomes FA, et al. **Acta Med Port** 1981 May-Jun;3(3):201–9 (Eng. Abstr.) **(Por)**

SURGERY

A follow-up study of operated transsexual females. Sørensen T. **Acta Psychiatr Scand** 1981 Jul;64(1):50–64

A follow-up study of operated transsexual males. Sørensen T. **Acta Psychiatr Scand** 1981 May;63(5):486–503

Sex reassignment surgery: historical, bioethical, and theoretical issues. Lothstein LM. **Am J Psychiatry** 1982 Apr;139(4):417–26

Transsexualism observed. Rollin HR. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):461

Marriage, morality, & sex-change surgery: four traditions in case ethics. 1. A Jewish perspective. Brody BA. **Hastings Cent Rep** 1981 Aug;11(4):8–9

Marriage, morality, & sex-change surgery: four traditions in case ethics. 2. A Catholic perspective. McCormick RA. **Hastings Cent Rep** 1981 Aug;11(4):10–1

Marriage, morality, & sex-change surgery: four traditions in case ethics. 3. A Protestant perspective. Smith DH. **Hastings Cent Rep** 1981 Aug;11(4):11–2

Marriage, morality, & sex-change surgery: four traditions in case ethics. 4. The common law tradition. Toulmin S. **Hastings Cent Rep** 1981 Aug;11(4):12–3

Voice change surgery in the transsexual. Donald PJ. **Head Neck Surg** 1982 May-Jun;4(5):433–7

The body image of the postoperative female-to-male transsexual. Fleming MZ, et al. **J Consult Clin Psychol** 1982 Jun;50(3):461–2

[Reconstructive surgery in the genital region] **Gynakol Rundsch** 1981;21 Suppl 2:41–89 **(Ger)**

[Reconstructive surgery in the genital region] Richter K. **Gynakol Rundsch** 1981;21 Suppl 2:48–54 **(Ger)**

[Surgery to change genital gender and legal situation resulting therefrom (author's transl)] Ponikiewska W, et al. **Psychiatr Pol** 1981 Jul-Dec;15(4–6):429–30 **(Pol)**

THERAPY

Group therapy with gender-identity patients—a four-year study. Keller AC, et al. **Am J Psychother** 1982 Apr; 36(2):223–8

Treatment of transsexualism in adolescence. Kronberg J, et al. **J Adolesc** 1981 Jun;4(2):177–85

[Transsexualism as disease] Rieger HJ. **Dtsch Med Wochenschr** 1982 Mar 26;107(12):472–3 **(Ger)**

[Therapy and assessment of transsexualism] Frische M. **Lebensversicherungsmedizin** 1981 Sep 10;33(7):165–8 (Eng. Abstr.) **(Ger)**

TRANSUDATES see **EXUDATES AND TRANSUDATES**

TRANSVESTISM

COMPLICATIONS

[Transvestitism as a defense against separation anxiety] Roccatagliata G. **Minerva Psichiatr** 1981 Oct-Dec; 22(4):211–3 **(Ita)**

HISTORY

From Sappho to Stand: historical perspective on crossdressing and cross gender. Steiner BW. **Can J Psychiatry** 1981 Nov;26(7):502–6

PSYCHOLOGY

A comparison of treated and untreated male cross-dressers. Croughan JL, et al. **Arch Sex Behav** 1981 Dec;10(6):515–28

Two types of cross-gender identity. Freund K, et al. **Arch Sex Behav** 1982 Feb;11(1):49–63

Psychological adjustment in transvestism and transsexualism. Buhrich N. **Behav Res Ther** 1981;19(5):407–11

Transformations: men who cross-dress. Shatz EO. **Health Soc Work** 1981 Nov;6(4):33–41

TRANYLCYPROMINE

ADVERSE EFFECTS

Atrial flutter/fibrillation associated with tranylcypromine treatment. Gorelick DA, et al. **J Clin Psychopharmacol** 1981 Nov;1(6):402–4

PHARMACODYNAMICS

Lowering of brain levels of the depressant prostaglandin D2 by the anti-depressant tranylcypromine. Ellis EF, et al. **Biochem Pharmacol** 1982 May 1;31(9):1783–4

Behaviour of IOP and pupil size after topical tranylcypromine in the rabbit eye. Hoyng PF, et al. **Doc Ophthalmol** 1981 Jul 15;51(3):225–34

Monoamine oxidase inhibition by tranylcypromine: assessment in human volunteers. Bieck PR, et al. **Eur J Clin Pharmacol** 1982;22(4):301–8

Effect of the prostacyclin synthetase inhibitor tranylcypromine on uterine blood flow in pregnancy. Clark KE, et al. **Prostaglandins** 1982 Feb;23(2):227–36

Tranylcypromine isomers: single-dose effects in normal human subjects. Gorenstein C, et al. **Psychopharmacology (Berlin)** 1981;75(4):400–3

[Cardiovascular effects of (+)- and (–)-tranylcypromine compared to other monoamine oxidase inhibitors in animal studies (author's transl)] Dénes B, et al. **Arzneimittelforsch** 1982;32(3):201–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Tranylcypromine isomers in the treatment of Parkinson's disease. Biochemical effects. Reynolds GP, et al. **Int Pharmacopsychiatry** 1981;16(1):30–3

Comparison of molindone and tranylcypromine in the treatment of refractory depression. Small JG, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8–9):351–8

A double-blind study of tranylcypromine treatment of major anergic depression. Himmelhoch JM, et al. **J Nerv Ment Dis** 1982 Oct;170(10):628–34

Tranylcypromine isomers and Parkinson's disease: new aspects of an old drug. Reynolds GP, et al. **J R Soc Med** 1981 Sep;74(9):649–52

[Comparison of the effectiveness of tranylcypromine, nortriptyline, thioridazine and amitriptyline in two syndromological types of endogenous depression (author's

transl)] Náhunek K, et al. **Cesk Psychiatr** 1981;77(4):245–52 (Eng. Abstr.) **(Cze)**

TRAPYMIN see under **PYRIMIDINES**

TRAUMA see **WOUNDS AND INJURIES**

TRAUMA CENTERS

Trauma centers and the new evangelists [editorial] Clark RB. **Ann Emerg Med** 1981 Oct;10(10):545–6

A report of the acute spinal cord injury center. Wagner FC Jr, et al. **Conn Med** 1981 Nov;45(11):690–5

Patient preparation and transfer to a regional spinal cord injury center. Buchanan LE. **J Neurosurg Nurs** 1982 Jun; 14(3):137–9

Little signs of life and other disclaimers—editorial responsibility [letter] Trinkle JK. **J Trauma** 1982 Mar; 22(3):255

The making of a trauma center. DeMuth WE Jr. **Pa Med** 1981 Nov;84(11):18

[Possibilities of microsurgery in traumatology] Renner A, et al. **Orv Hetil** 1981 Oct 4;122(40):2455–7 **(Hun)**

[Work experience of a provincial eye trauma center] Sandul LA, et al. **Oftalmol Zh** 1981;36(7):445–7 **(Rus)**

HISTORY

Designation or dedication: seven men in the evolution of a trauma center. Wilkins EW Jr. **Am J Surg** 1982 Apr; 143(4):399–403

MANPOWER

A family practice orthopedic trauma clinic. Alcoff J, et al. **J Fam Pract** 1982 Jan;14(1):93–6

ORGANIZATION & ADMINISTRATION

A case for trauma room 10. Klee LR. **AORN J** 1981 Nov; 34(5):838–45

Regional spinal cord injury center nursing care: prescription for the present and the future. MacKechnie JN. **J Neurosurg Nurs** 1982 Jun;14(3):133–6

An integrated university emergency medicine – trauma program. Geis WP, et al. **J Trauma** 1982 Apr;22(4):295–302

Regional pediatric trauma center: does a system of management improve outcome? Haller JA Jr, et al. **Z Kinderchir** 1982 Feb;35(2):44–5

[Problem of burns in France] Nasiłowski W. **Pol Tyg Lek** 1981 Aug 10;36(32):1251 **(Pol)**

[Scope and nature of the activities of the first aid resuscitation team in the traffic accidents in large cities] Kustova EA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):59–61 **(Rus)**

[Experience in organizing traumatological care for the rural population] Alekseev NA. **Sov Zdravookhr** 1981;(11):21–4 (Eng. Abstr.) **(Rus)**

SUPPLY & DISTRIBUTION

[Methodological characteristics of estimating the number of medical posts for providing 24-hour emergency ambulatory traumatological services] Rogovoĭ MA. **Ortop Travmatol Protez** 1981 Aug;(8):66–8 **(Rus)**

TRENDS

Trauma center development. Thompson CT. **Ann Emerg Med** 1981 Dec;10(12):662–5

TRAUMA UNITS see **TRAUMA CENTERS**

TRAVEL

Medical advice for international travelers. Birrer RB, et al. **Am Fam Physician** 1982 Feb;25(2):155–9

Preventing traveler's diarrhea. Weiss BD. **Am Fam Physician** 1981 Nov;24(5):169–70

Immunizations for international travel as a pharmaceutical service. Huff PS, et al. **Am J Hosp Pharm** 1982 Jan; 39(1):90–3

Observations of a traveling pharmacist. Part 1. Olson C. **Am J Hosp Pharm** 1982 May;39(5):872–6

Observations of a traveling pharmacist. Part 2. Olson C. **Am J Hosp Pharm** 1982 Jun;39(6):1051–6

Gastrointestinal illness on passenger cruise ships, 1975–1978. Dannenberg AL, et al. **Am J Public Health** 1982 May; 72(5):484–8

Are bottled beverages safe for travelers? [editorial] Harris JR. **Am J Public Health** 1982 Aug;72(8):787–8

African eye worm (Loa loa) in a tourist. Farrer WE, et al. **Ann Ophthalmol** 1981 Oct;13(10):1177–9

Traveller's diarrhoea with a vengeance in children of UK immigrants visiting their parental homeland. Hutchins P, et al. **Arch Dis Child** 1982 Mar;57(3):208–11

Psychiatric morbidity and time zone changes: a study of patients from Heathrow airport. Jauhar P, et al. **Br J Psychiatry** 1982 Mar;140:231–5

Physiological changes underlying jet lag. Arendt J, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):144–6 (24 ref.)

The road through Oxiana, 1978. Milsted B. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1678–80

Importation of pathogenic Entamoeba histolytica [letter] Sargeaunt PG, et al. **Br Med J [Clin Res]** 1982 Feb 13; 284(6314):507–8

Plasmodium falciparum malaria in Nigerians who live in Britain. Walker E, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):956–7

Immunizations and chemoprophylaxis for travelers. **Conn Med** 1982 Jun;46(6):349–51

Medico-geographical possibilities of the health-giving tourism in Hungary considering the seasonal combinations. Vargha GL. **Geogr Med** 1981;11:141–50

Antibiotics and travellers' diarrhoea. Geddes AM. **J Antimicrob Chemother** 1981 Oct;8(4):247–8

Traveler's diarrhea: clinical observations. Farmer RG, et al. **J Clin Gastroenterol** 1981 Mar;3(1):27–9

Travelers' diarrhea in panamanian tourists in Mexico. Ryder RW, et al. **J Infect Dis** 1981 Nov;144(5):442–8

The returning traveller. Geddes AM, et al. **J R Coll Physicians Lond** 1981 Apr;15(2):124–8

The airport designed with the handicapped users in mind. Murray H. **J Rehabil** 1981 Jul–Sep;47(3):40–4

The role of tourism in measures of alcohol consumption, alcohol availability and alcoholism. Watts RK, et al. **J Stud Alcohol** 1981 Sep;42(9):797–801

Prophylaxis of traveller's diarrhoea. Steffen R, et al. **J Trop Med Hyg** 1981 Dec;84(6):239–42

Vaccine against traveler's diarrhea nearing readiness for clinical trials [news] Reed M. **JAMA** 1982 Jun 25; 247(24):3295

Is cholera a problem for US travelers? Synder JD, et al. **JAMA** 1982 Apr 23;247(16):2268–9

Simple steps to mimimize chance of traveler's diarrhea [letter] Henderson R. **JOM** 1982 Mar;24(3):184

Traveller's Diarrhoea [editorial] **Lancet** 1982 Apr 3; 1(8275):777–8

Jason retrieves the Golden Fleece or, a psychiatrist's excursion into general medicine or, how i ordered the captain off his ship. Schnaper N. **Md State Med J** 1981 Jul;30(7):59–60

Risk of rabies [letter] Boughton CR. **Med J Aust** 1982 Jan 23;1(2):57

Immunizations and chemoprophylaxis for travelers. **Med Lett Drugs Ther** 1981 Dec 11;23(25):105–8

Loa loa among American naturalists. **MMWR** 1981 Oct 2; 30(38):479–80

Measles importations—United States. **MMWR** 1981 Sep 18; 30(36):455–6, 461–2

Quarantine measures. **MMWR** 1982 Mar 26;31(11):145–7

Treatment of travelers' diarrhea with trimethoprim/sulfamethoxazole and with trimethoprim alone. DuPont HL, et al. **N Engl J Med** 1982 Sep 30; 307(14):841–4

Travellers' diarrhea [editorial] Gorbach SL. **N Engl J Med** 1982 Sep 30;307(14):881–3

Airplane travel and child safety [letter] Sheldon SH, et al. **Pediatrics** 1982 Jun;69(6):835–6

State physicians teach, learn as they tour China. Lamb RL. **Penn Med** 1982 Jan;85(1):8–9

Traveler's diarrhea: must it spoil the patient's trip? Scott D. **Postgrad Med** 1982 Jun;71(6):244

The effect of pilgrimage on anxiety, depression and religious attitude. Morris PA. **Psychol Med** 1982 May;12(2):291–4

Useful information for rare emergencies. Dunlop JM. **Public Health** 1982 Jan;96(1):54–6

Prevention of travelers' diarrhea with trimethoprim-sulfamethoxazole. DuPont HL, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):533–9

Legionnaires' disease imported to Denmark from Italy. Jørgensen KA, et al. **Scand J Infect Dis** 1981;13(2):133–6

Salmonella and Shigella infections in Switzerland, with special reference to typhoid vaccination for travellers. Steffen R, et al. **Scand J Infect Dis** 1981;13(2):121–7

Imported malaria in a hospital in Paris. Gentilini M, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):455–60

The British citizen abroad. Mackay DM. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:45–6

[Vaccination for travelers] Huisman J. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1312–6 **(Dut)**

[Anti-infection prophylaxis of Finns traveling in tropical countries] Peltola H, et al. **Duodecim** 1982;98(7):543–9 (Eng. Abstr.) **(Fin)**

[Airports malaria: findings of a survey in Paris airports (author's transl)] Leger N, et al. **Med Trop (Mars)** 1981 Jul–Aug;41(4):431–41 (Eng. Abstr.) **(Fre)**

[International travel and reportable diseases in West Germany including West Berlin 1976–1980] Weise HJ. **Fortschr Med** 1982 May 6;100(17):771–7 **(Ger)**

[Travel diarrhea. Clinical aspects, therapy and prophylaxis] Fleischer K. **Med Welt** 1981 Jun 19;32(25):998–1002 **(Ger)**

[Air-travel thrombosis] Marshall M. **MMW** 1982 Apr 30; 124(17):83 **(Ger)**

[Parasitologic studies in travelers to the tropics and applicants for asylum—epidemiologic relevancy for the population] Kimmig P. **Off Gesundheitswes** 1982 May;44(5):303–7 **(Ger)**

[Traveler's diarrhea] Markwalder K, et al. **Schweiz Med Wochenschr** 1982 Jul 17;112(29):1049–54 (Eng. Abstr.) **(Ger)**

[Desynchronization and resynchronization after west-east and east-west transmeridian flight] Sensi S, et al. **Boll Soc Ital Biol Sper** 1982 Feb;58(3–4):109–14 (Eng. Abstr.) **(Ita)**

[Boutonneuse fever and tourism] Scaffidi V. **Minerva Med** 1982 Jun 16;73(25):1781–5 (Eng. Abstr.) **(Ita)**

[New K antigen of vibrio parahaemolyticus from a strain isolated from an overseas traveller (author's transl)] Ishibashi M, et al. **Nippon Saikingaku Zasshi** 1981 May; 36(3):591–2 **(Jpn)**

[Case of onchocerciasis in combination with streptocerciasis in a Soviet specialist returning from Equatorial Guinea] Mikhaĭlova VA, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):59–62 **(Rus)**

[Exotic pathology imported into Europe, with special reference to malaria. Spain in the face of a growing problem] Corachán M. **Rev Sanid Hig Publica (Madr)** 1981 Sep–Oct;53(9–10):1419–24 (Eng. Abstr.) **(Spa)**

TRAZODONE see under **PIPERAZINES**

TREACHER COLLINS SYNDROME see **MANDIBULOFACIAL DYSOSTOSIS**

TREATMENT REFUSAL see **PATIENT COMPLIANCE**

TREES

Clinical features and natural history of occupational asthma due to western red cedar (Thuja plicata). Chan-Yeung M, et al. **Am J Med** 1982 Mar;72(3):411–5

Dependence on freezing of the geometry and redox potential of type 1 and type 2 copper sites of Japanese-lacquer-tree (Rhus vernicifera) laccase. Morpurgo L, et al. **Biochem J** 1981 Feb 1;193(2):639–42

Acid phosphatase from needles of Pinus silvestris L. Purification of two interconvertible enzyme forms and characterization of a low-molecular weight factor associated with the enzyme. Jonsson I. **Biochim Biophys Acta** 1981 Aug 13;660(2):204–13

Detection of bromacil herbicide in Ponderosa pine. Ferenbaugh RW, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):268–73

Hanseniaspora nodinigri, a new yeast species found in black knots (Dibotryon morbosum) of Prunus virginiana. Lachance MA. **Can J Microbiol** 1981 Jul;27(7):651–3

Industrial aspects of 112 cases of allergic contact dermatitis from Frullania in British Columbia during a 10-year period. Mitchell JC. **Contact Dermatitis** 1981 Sep;7(5):268–9

Enzymic synthesis of lignin precursors. Purification and properties of UDP glucose: coniferyl-alcohol glucosyltransferase from cambial sap of spruce (Picea abies L.). Schmid G, et al. **Eur J Biochem** 1982 Apr 1; 123(2):363–70

Effect of some sulphur compounds on soil microflora of spruce rhizosphere. Lettl A. **Folia Microbiol (Praha)** 1981; 26(3):243–52

Effect of fire on soil microorganisms in a Meghalaya pine forest. Sharma GD. **Folia Microbiol (Praha)** 1981; 26(4):321–7

Comparative studies on tree-pollen allergens. III. A purified low molecular weight major allergen from birch pollen (Betula verrucosa) isolated by gel permeation chromatography. Vik H, et al. **Int Arch Allergy Appl Immunol** 1982;68(1):70–8

Intranuclear cytoplasmic canal system in the oosphere nucleus of Cycas revoluta: an evidence of nucleocytoplasmic interaction. Hiraoka T, et al. **J Ultrastruct Res** 1981 Dec;77(3):329–34

[Occupational contact hypersensitivity to Ginkgo biloba L. (author's transl)] Jirásek L, et al. **Cesk Dermatol** 1981 Dec; 56(6):366–73 (Eng. Abstr.) **(Cze)**

[Survival of salmonellas and ascaris eggs during sludge utilization in forestry (author's transl)] Strauch D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(5):461–70 (Eng. Abstr.) **(Ger)**

[Silicosis in tractor drivers working on sandy soils on tree farms] Dynnik VI, et al. **Gig Tr Prof Zabol** 1981;(12):26–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Fractionated sulfur determination in plant samples for indication of air pollution] Nyomárkay KM, et al. **Acta Pharm Hung** 1981 Jul;51(4):177–80 (Eng. Abstr.) **(Hun)**

METABOLISM

[Lipid biosynthesis in mitochondria from leaves of olive tree (author's transl)] Daza LM, et al. **Rev Esp Fisiol** 1982 Mar; 38(1):103–8 (Eng. Abstr.) **(Fre)**

TREESHREWS see **TUPAIIDAE**

TREHALASE

ANALYSIS

Prenatal detection of the autosomal recessive type of polycystic kidney disease by trehalase assay in amniotic fluid. Morin PR, et al. **Prenatal Diagn** 1981 Jan;1(1):75–9

ANTAGONISTS & INHIBITORS

Effect of acrylonitrile on trehalase, phosphorylase and acetylcholinesterase activities in Tribolium castaneum Herbst and Trogoderma granarium Everts. Rajendran S, et al. **Experientia** 1981;37(8):886–7

BIOSYNTHESIS

Induction of trehalase activity on a nitrogen-free medium: a sporulation-specific event in the fission yeast, Schizosaccharomyces pombe. Inoue H, et al. **MGG** 1981; 183(1):32-6

ISOLATION & PURIFICATION

Methods for the rapid purification of trehalase from Dictyostelium discoideum. Killick KA. **Prep Biochem** 1981; 11(5):547-57

METABOLISM

Trehalase activity in extracts of Phycomyces blakesleeanus spores following the induction of germination by heat activation. Thevelein JM, et al.
Antonie Van Leeuwenhoek 1981 Dec;47(5):393-404

Soluble and particle-bound trehalase in the silk glands during larval-pupal development of the silkworm, Bombyx mori. Shimada S. **Arch Int Physiol Biochim** 1981 Nov;89(4):341-3

Localization of trehalase in vacuoles and of trehalose in the cytosol of yeast (Saccharomyces cerevisiae). Keller F, et al. **Arch Microbiol** 1982 Jun;131(4):298-301

Trehalase: stereocomplementary hydrolytic and glucosyl transfer reactions with alpha- and beta-D-glucosyl fluoride. Hehre EJ, et al. **Biochemistry** 1982 Jun 22; 21(13):3090-7

Utilization of trehalose during Dictyostelium discoideum spore germination. Jackson DP, et al. **Dev Biol** 1982 Apr; 90(2):369-74

Stereochemistry of the hydrolysis of trehalose by the enzyme trehalase prepared from the flesh fly Sarcophaga barbata. Clifford KH. **Eur J Biochem** 1980 May;106(1):337-40

Trehalase activity in genetically diabetic mice (serum, kidney, and liver). Baumann FC, et al. **J Med Genet** 1981 Dec; 18(6):418-23

Changes in the activity and properties of trehalase during early germination of yeast ascospores: correlation with trehalose breakdown as studied by in vivo 13C NMR. Thevelein JM, et al. **Proc Natl Acad Sci USA** 1982 Jun; 79(11):3503-7

TREHALOSE see under **DISACCHARIDES**

TREMATODA

A report on the presence of trematode parasites in the brain ventricles of the teleost Channapunctatus (Bloch). Joshi BN, et al. **Mikroskopie** 1981 Oct;38(9-10):253-5

[Rediscovery of 2 Strigeata (Trematoda) from Australia] Dubois G. **Ann Parasitol Hum Comp** 1982;57(1):109 **(Fre)**

[Survey of the larval Trematoda parasites of Hydrobia (Prosobranches) mollusca of the coasts of France] Deblock S. **Parassitologia** 1980 Jan-Aug;22(1-2):1-105 (Eng. Abstr.) **(Fre)**

ANALYSIS

Preliminary studies of lipids of the trematodes Eurytrema pancreaticum, Calicophoron erschowi and the turbellarian Penecurva sibirica. Vykhrestyuk NP, et al.
Mol Biochem Parasitol 1982 Apr;5(4):221-9

ANATOMY & HISTOLOGY

Anatomy of the female reproductive system of Encyclometra japonica, Yoshida and Ozaki, 1929. (Trematoda-Plagiorchiidae). Yadav RS, et al.
Folia Morphol (Praha) 1981;29(4):377-80

Euclinostomum ardeolae sp. nov. (Trematoda : Clinostomatidae). El-Naffar MK, et al.
J Egypt Soc Parasitol 1981 Jun;11(1):175-81

Morphology, histochemistry, and the biological significance of the lymphatic system of the trematode Orthocoelium scoliocoelium. Sharma PN, et al. **J Helminthol** 1982 Mar; 56(1):59-67

[Deviations in number and location of ciliary flame cells in furcocercariae] de Núñez MO. **Angew Parasitol** 1981 Aug; 22(3):164-6 **(Ger)**

CLASSIFICATION

New species of Haplorchis from Southeast Asia. together with keys to the Haplorchis-group of heterophyid trematodes of the region. Pearson JC, et al.
Southeast Asian J Trop Med Public Health 1982 Mar; 13(1):35-60

[Validity of Psuedodiplectanum kearnei Vala, Lopez-Roman and Aboudaoud, 1980 and of Pseudodiplectanum kearni Oliver, 1980] Oliver G. **Ann Parasitol Hum Comp** 1981; 56(6):621-2 **(Fre)**

CYTOLOGY

Cytochemical characteristics of the neurosecretory cells of Ceylonocotyle scoliocoelium (Trematoda: Digenea). Sharma PN, et al. **J Helminthol** 1981 Sep;55(3):223-9

DRUG EFFECTS

Studies on chemotherapy of parasitic helminths (V). Effects of niclosamide on the motility of various parasitic helminths. Sano M, et al. **Experientia** 1982 May 15; 38(5):547-9

Studies on chemotherapy of parasitic helminths (IX). Effects of praziquantel on the motility of various parasitic helminths and isolated host tissues. Terada M, et al.
Experientia 1982 May 15;38(5):549-53

ENZYMOLOGY

Histochemical and electrophoretic studies on phosphatases of some Indian trematodes. Haque M, et al.
J Helminthol 1982 Jun;56(2):111-6

GENETICS

C-band polymorphism in a Japanese lung fluke Paragonimus ohirai (Trematoda; Platyhelminthes). Hirai H, et al.
Heredity (Edinburgh) 1981 Oct;47(2):249-52

GROWTH & DEVELOPMENT

Recruitment of digenetic trematodes using caged snails. Coy KB, et al. **J Parasitol** 1982 Jun;68(3):496-500

Comparative migration, growth and development of Typhlocoelum cucumerinum sisowi in dabbling ducks and Typhlocoelum cucumerinum cucumerinum in diving ducks. Scott ME, et al. **Parasitology** 1982 Apr;84(Pt 2):333-50

[Recruiting modalities of Gymnophallus nereicola J. Rebecq and G. Prévot, 1962 (Digenea, Gymnophallidae) by Nereis diversicolor (author's transl)] Bartoli P.
Ann Parasitol Hum Comp 1981;56(3):261-70 (Eng. Abstr.) **(Fre)**

[Morphobiological characteristics of Hasstilesia ovis (Trematoda: Brachylaimidae) and the pathomorphological changes it causes in sheep intestines] Vsevolodov BP, et al. **Parazitologiia** 1981 Sep-Oct;15(5):415-9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Ribeiroia marini: irradiated miracidia and induction of acquired resistance in Biomphalaria glabrata. Sullivan JT, et al. **Exp Parasitol** 1982 Feb;53(1):17-25

ISOLATION & PURIFICATION

Trematode infections in Pirenella conica in three sites of a mangrove lagoon in Sinai. Taraschewski H, et al.
Z Parasitenkd 1982;67(2):165-73

[Occurrence of 3 species of Trematoda in Brazilian fishes] de Fabio SP. **Rev Bras Biol** 1981 Aug;41(3):549-52 (Eng. Abstr.) **(Por)**

METABOLISM

[Forms of glycogen and its localization in the parthenitae and larval stages of Eurytrema pancreaticum (Trematoda: Dicrocoeliidae)] Zdarská Z. **Parazitologiia** 1981 Sep-Oct; 15(5):476-7 **(Rus)**

MICROBIOLOGY

Neorickettsia-like organism isolated from metacercaria of a fluke, Stellantchasmus falcatus. Fukuda T, et al.
Jpn J Med Sci Biol 1981 Apr;34(2):103-7

PATHOGENICITY

Susceptibility of small laboratory animals to Pygidiopsis genata (Trematoda : Heterophydae). Mansour NS, et al.
J Egypt Soc Parasitol 1981 Jun;11(1):225-34

Pathogenicity and histopathology of an unusually intense infection of white grubs (Posthodiplostomum m. minimum) in the fathead minnow (Pimephales promelas). Mitchell AJ, et al. **J Wildl Dis** 1982 Jan;18(1):51-7

PHYSIOLOGY

[Lepocreadiidae (Digenea) from fish on the coast of Mozambique] Reimer LW. **Angew Parasitol** 1981 Nov; 22(4):204-12 (Eng. Abstr.) **(Ger)**

[Biology of Far Eastern trematodes and the epidemiology of the diseases they cause. V. Natural factors dictating the limits of the nosogeographic range of clonorchiasis in Amur River region] Posokhov PS. **Med Parazitol (Mosk)** 1982 Mar-Apr;60(2):32-5 **(Rus)**

[Morphofunctional adaptation of the hermaphroditic generation of trematodes to the parasitic mode of life in definitive hosts] Chubrik GK. **Parazitologiia** 1982 Jan-Feb; 16(1):53-61 **(Rus)**

ULTRASTRUCTURE

Stereocan observations on the surface topography of Gastrothylax crumenifer (Creplin, 1847) Poirier, 1883 and Paramphistomum epiclitum Fischoeder, 1904 (Trematoda: Digenea). Tandon V, et al. **J Helminthol** 1981 Sep; 55(3):231-7

Scanning electron microscopic observations on the tegumental surfaces of two rumen flukes (Trematoda: Paramphistomata). Tandon V, et al. **J Helminthol** 1982 Jun; 56(2):95-104

[Ultrastructural study of spermatogenesis and spermatozoa of Platyhelminthe: Gonapodasmius (Trematoda:Didymozoidae)] Justine JL, et al.
J Ultrastruct Res 1982 Jun;79(3):350-65 (Eng. Abstr.) **(Fre)**

TREMATODE INFECTIONS

COMPLICATIONS

[Subcapsular hematoma of the liver and hepatic distomiasis (letter)] Gaucher P, et al. **Nouv Presse Med** 1981 Oct 24; 10(38):3161 **(Fre)**

DIAGNOSIS

[Hepatic distomiasis. Value of echotomography (letter)] Vives L, et al. **Nouv Presse Med** 1982 Mar 6;11(11):868 **(Fre)**

DRUG THERAPY

[Praziquantel, a new broad-spectrum anthelmintic (review of the literature)] Baiandina DG, et al.
Med Parazitol (Mosk) 1981 Sep-Oct;50(5):62-70 (121 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Heterologous immunity against Schistosoma mansoni in mice by administration of Heterobilharzia americana. Malek EA.
Z Parasitenkd 1981;65(2):137-42

OCCURRENCE

Endemic focus of Fasciolopsis buski infection in Bangladesh. Gilman RH, et al. **Am J Trop Med Hyg** 1982 Jul; 31(4):796-802

Studies on trematodes of the family Heterophyidae (Odhner, 1914) in Iran: 1. Preliminary epidemiological surveys in man and carnivores in Khuzestan. Massoud J, et al.
J Helminthol 1981 Dec;55(4):255-60

[Biology of Far Eastern trematodes and the epidemiology of the diseases they cause. V. Natural factors dictating the limits of the nosogeographic range of clonorchiasis in Amur River region] Posokhov PS. **Med Parazitol (Mosk)** 1982 Mar-Apr;60(2):32-5 **(Rus)**

PARASITOLOGY

Philophthalmus sp. (Trematoda) in a human eye. Mimori T, et al. **Am J Trop Med Hyg** 1982 Jul;31(4):859-61

Infection of the gerbil by the avian schistosome Austrobilharzia variglandis (Miller and Northrup 1926; Penner 1953). Bacha WJ Jr, et al. **J Parasitol** 1982 Jun; 68(3):505-7

PATHOLOGY

Histopathological and histochemical studies on experimentally infected hamsters with Pygidiopsis genata. Boulos LM, et al. **J Egypt Soc Parasitol** 1981 Jun; 11(1):67-76

Clinical changes caused by the liver fluke Metorchis conjunctus in cats. Watson TG, et al. **Vet Pathol** 1981 Nov; 18(6):778-85

[Mature avian eye fluke (Philophthalmus sp.) under the human conjunctiva (author's transl)] Kalthoff H, et al.
Klin Monatsbl Augenheilkd 1981 Nov;179(5):373-5 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Observations on infections associated with South Wales natural waters. Harvey RW, et al. **J Appl Bacteriol** 1981 Oct;51(2):369-74

Effect of freezing and drilling on Pygidiopsis genata metacercariae in Tilapia. Youssef M, et al.
J Egypt Soc Parasitol 1981 Dec;11(2):425-8

VETERINARY

Trematode (Sphaeridiotrema globulus)-induced ulcerative hemorrhagic enteritis in wild mute swans (Cygnus olor). Roscoe DE, et al. **Avian Dis** 1982 Jan-Mar;26(1):214-24

Liver flukes (Platynosomum concinnum) in an Ohio cat. Barriga OO, et al. **J Am Vet Med Assoc** 1981 Nov 1; 179(9):901-3

Paramphistomum microbothrioides in American bison and domestic beef cattle. Herd RP, et al.
J Am Vet Med Assoc 1981 Nov 15;179(10):1019-20

Fenbendazole for treatment of pancreatic fluke infection in a cat. Roudebush PO, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):545-6

Pathological changes associated with cardiovascular trematodes (Digenea: Spirorchidae) in a green sea turtle Chelonia mydas (L). Glazebrook JS, et al.
J Comp Pathol 1981 Jul;91(3):361-8

Epidemiology of Alaria marcianae mesocercariae in Louisiana. Shoop WL, et al. **J Parasitol** 1981 Dec; 67(6):928-31

Experimental salmon poisoning disease in juvenile coyotes (Canis latrans). Foreyt WJ, et al. **J Wildl Dis** 1982 Apr; 18(2):159-62

Pathogenicity and histopathology of an unusually intense infection of white grubs (Posthodiplostomum m. minimum) in the fathead minnow (Pimephales promelas). Mitchell AJ, et al. **J Wildl Dis** 1982 Jan;18(1):51-7

Trichobilharzia physellae (Digenea: Schistosomatidae) from endemic waterfowl on the high plains of Texas. Pence DB, et al. **J Wildl Dis** 1982 Jan;18(1):69-74

Spirorchidiasis in loggerhead sea turtles (Caretta caretta): pathology. Wolke RE, et al. **J Wildl Dis** 1982 Apr;

18(2):175–85
Comparative migration, growth and development of Typhlocoelum cucumerinum sisowi in dabbling ducks and Typhlocoelum cucumerinum cucumerinum in diving ducks. Scott ME, et al. **Parasitology** 1982 Apr;84(Pt 2):333–50
[Morphobiological characteristics of Hasstilesia ovis (Trematoda: Brachylaimidae) and the pathomorphological changes it causes in sheep intestines] Vsevolodov BP, et al. **Parazitologiia** 1981 Sep–Oct;15(5):415–9 (Eng. Abstr.) **(Rus)**

TREMOR

BLOOD

Plasma propranolol in essential tremor. Marsden CD, et al. **Ann Neurol** 1982 Jan;11(1):107

CHEMICALLY INDUCED

Physiological characteristics of tremor after chronic lithium therapy. Tyrer P, et al. **Br J Psychiatry** 1981 Jul;139:59–61
Propranolol and sotalol as antagonists of isoproterenol-enhanced physiologic tremor. Pickles H, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):303–10
Dopaminergic mechanisms in thiophene-2-aldoxime tremor. Kurkjian R, et al. **Experientia** 1982 Jul 15;38(7):841–2
Rhythmic activity of spinal interneurons in harmaline-treated cats. A model for olivo-cerebellar influence at the spinal level. Weiss M. **J Neurol Sci** 1982 Jun;54(3):341–8
Thermic and tremorogenic effects of thyroliberin (TRH) in reserpine-treated mice--the non-involvement of GABA-ergic mechanisms. Björkman S, et al. **J Pharm Pharmacol** 1981 Sep;33(9):580–5
Pharmacological characteristics of abnormal behavior induced by harmine with special reference to tremor in mice. Kawanishi K, et al. **J Pharmacobiodyn** 1981 Jul; 4(7):520–7
Alcohol-triggered-neuroleptic-induced tremor, rigidity and dystonia [letter] Freed E. **Med J Aust** 1981 Jul 11;2(1):44–5
Valproate tremors. Karas BJ, et al. **Neurology (NY)** 1982 Apr; 32(4):428–32
Acute chlordecone toxicity in rats: a relationship between tremor and ATPase activities. Jordan JE, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):355–64
A pharmacological evaluation of the potential of a bronchodilator trimetoquinol to produce tachycardia and skeletal muscle tremor. Gwee MC. **Singapore Med J** 1981 Oct;22(5):250–3
[Tremor in the course of sodium valproate treatment (letter)] Dugas M, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2828 **(Fre)**
[Antiepileptic drug-induced asterixis: case report (author's transl)] Kaneyama T, et al. **Seishin Shinkeigaku Zasshi** 1981; 83(7):448–58 **(Jpn)**

COMPLICATIONS

[A case with action induced dystonia-tremor complex (author's transl)] Sunohara N, et al. **Rinsho Shinkeigaku** 1981 Apr;21(4):311–20 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Tourette's syndrome and essential tremor in a septuagenarian [letter] Ziegler DK. **Arch Neurol** 1982 Feb;39(2):132
A case of vocal cord nodules masking essential (voice) tremor. Hartman DE, et al. **Arch Otolaryngol** 1982 Jan; 108(1):52–3
EKG of the month. (1) Muscular tremor (simulating atrial flutter); (2) Inferior lateral infarction probably evolving, with strictly posterior component. Campbel WB. **J Tenn Med Assoc** 1981 Oct;74(10):746
Primary writing tremor: a selective action tremor. Klawans HL, et al. **Neurology (NY)** 1982 Feb;32(2):203–6
Benign essential tremor: features that aid in diagnosis. Paulson GW. **Postgrad Med** 1982 Jan;71(1):105–7
[Essential tremor: phenomenology and epidemiology (author's transl)] Gerstenbrand F, et al. **Nervenarzt** 1982 Jan;53(1):46–53 **(Ger)**
[Graphic correction test method for studying hand tremor in younger schoolchildren] Agarkov VI. **Gig Sanit** 1981 Sep;(9):50–1 **(Rus)**

DRUG THERAPY

Beta adrenergic blockers in tremor. Corbett JL. **Aust Fam Physician** 1981 Aug;10(8):633–5
Essential tremor [letter] Munro A. **Can Med Assoc J** 1981 Nov 1;125(9):958
Propranolol in infantile tremor syndrome. Kalra V, et al. **Indian J Pediatr** 1981 May–Jun;48(392):341–3
Alcoholism secondary to essential tremor. Nasrallah HA, et al. **J Clin Psychiatry** 1982 Apr;43(4):163–4
Phenylethylmalonamide in essential tremor. A double-blind controlled study. Calzetti S, et al. **J Neurol Neurosurg Psychiatry** 1981 Oct;44(10):932–4
Metoprolol and propranolol in essential tremor: a double-blind, controlled study. Calzetti S, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):814–9
Essential tremor: response to primidone [letter] Chakrabarti A, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):650
Effects of timolol and atenolol on benign essential tremor: placebo-controlled studies based on quantitative tremor recording. Dietrichson P, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):677–83
Depression of essential tremor by alpha-adrenergic blockade [letter] Mai J, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1171
Patient with circulating antibodies to alpha-interferon [letter] Calzetti S, et al. **Lancet** 1981 Nov 28;2(8257):1227
Treatment of action tremor in multiple sclerosis with isoniazid. Sabra AF, et al. **Neurology (NY)** 1982 Aug; 32(8):912–3
Effects of naltrexone and prolyl-leucyl-glycinamide on drug-induced tremor and rigidity in the rat. Dickinson SL, et al. **Neuropharmacology** 1981 Aug;20(8):757–62
Treatment of lithium-induced tremor and familial essential tremor with essential fatty acids. Lieb J, et al. **Prog Lipid Res** 1981;20:535–7
[The treatment of essential tremor with propranolol] Delwaide PJ. **Rev Med Liege** 1981 Oct;36 Suppl 1:31–3 **(Fre)**
[Tremor: clinical aspects and possibility of therapeutic intervention] Carolei A, et al. **Clin Ter** 1981 Apr 15; 97(1):93–6 **(Ita)**
[New therapeutic perspectives in alcoholism] Ruiz Manosalbas A, et al. **Actas Luso Esp Neurol Psiquiatr** 1981 Sep–Oct;9(5):403–12 **(Spa)**

ETIOLOGY

Postural stability during slow-onset and rapid-onset hypoxia. Holness DE, et al. **Aviat Space Environ Med** 1982 Jul; 53(7):647–51
Tics and tremors. Golden GS, et al. **Pediatr Clin North Am** 1982 Feb;29(1):95–103

FAMILIAL & GENETIC

Ectrodactyly, cleft lip and palate in two half sibs. Lewis MB, et al. **J Med Genet** 1981 Oct;18(5):394–6

OCCURRENCE

Essential tremor in a Finnish population. Rautakorpi I, et al. **Acta Neurol Scand** 1982 Jul;66(1):58–67

PHYSIOPATHOLOGY

Resetting of tremor by mechanical perturbations: a comparison of essential tremor and parkinsonian tremor. Lee RG, et al. **Ann Neurol** 1981 Dec;10(6):523–31
Brush writing in patients with tremor [letter] Nomoto M, et al. **Ann Neurol** 1982 Apr;11(4):434
A normative study of postural tremor of the hand. Wade P, et al. **Arch Neurol** 1982 Jun;39(6):358–62
Tremor. Findley LJ, et al. **Br J Hosp Med** 1981 Jul; 26(1):16–32
Classifying sensory patterns and their effects on locomotion and tremor. Stein RB, et al. **Can J Physiol Pharmacol** 1981 Jul;59(7):645–55
The tremor in fatigue. Lippold O. **Ciba Found Symp** 1981; (82):234–48
Physiological action tremor: a basis for understanding alcohol withdrawal tremor. Burgstahler SA, et al. **Curr Alcohol** 1981;8:79–84
The possible mechanisms of the high pressure-induced motor disturbances in the cat. Fagni L, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jun; 53(6):590–601
The wave analyses with the fast fourier transform on surface electromyogram and tremor during an acute and an accumulative fatigue. Sakamoto K, et al. **Electromyogr Clin Neurophysiol** 1982 Mar–Apr; 22(3):207–28
Physiological action tremor of the ankle. Pozos RS, et al. **J Appl Physiol** 1982 Jan;52(1):226–30
Tremor, the cogwheel phenomenon and clonus in Parkinson's disease. Findley LJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun;44(6):534–46
A comparison of the effects of Pro-Leu-Gly NH2 and L-leucine on tremorine-induced tremor and rigidity in rats. Dickinson SL, et al. **J Pharm Pharmacol** 1982 May; 34(5):336–7
Quantitative assessment of parkinsonian and essential tremor: clinical application of triaxial accelerometry. Jankovic J, et al. **Neurology (NY)** 1981 Oct;31(10):1235–40
Peripheral neuropathies and tremor. Said G, et al. **Neurology (NY)** 1982 May;32(5):480–5
Developmental equations for postural tremor. Tryon WW. **Science** 1982 Jan 15;215(4530):300–1
Superior oblique myokymia. An electromyographical analysis. Kommerell G, et al. **Trans Ophthalmol Soc UK** 1980;100(4):504–6
[Device for recording muscle minitremor from the surface of the body] Butukhanov VV, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):123–6 **(Rus)**
[Comparative neurophysiologic characteristics of cold and caudate tremor] Lupandin IuV. **Neirofiziologiia** 1981; 13(3):257–63 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Drugs that increase gamma-aminobutyric acid transmission protect against the high pressure neurological syndrome. Bichard AR, et al. **Br J Pharmacol** 1982 Jul;76(3):447–52

SURGERY

Importance of microstereoencephalotomy for tremor alleviation. Narabayashi H, et al. **Appl Neurophysiol** 1980; 43(3–5):222–7
Vim thalamotomy for the treatment of various kinds of tremor. Ohye C, et al. **Appl Neurophysiol** 1982;45(3):275–80
[Treatment of intention tremor (author's transl)] Murayama Y, et al. **No Shinkei Geka** 1981 Jul;9(8):911–8 (Eng. Abstr.) **(Jpn)**

THERAPY

Surgery for involuntary movements. Andrew J. **Br J Hosp Med** 1981 Nov;26(5):522, 524, 526–8

VETERINARY

Toxic Bermuda grass tremor in the goat: an electroencephalographic study. Strain GM, et al. **Am J Vet Res** 1982 Jan;43(1):158–62
Ryegrass staggers: isolation of potent neurotoxins lolitrem A and lolitrem B from staggers-producing pastures [letter] Gallagher RT, et al. **NZ Vet J** 1981 Oct;29(10):189–90
[Congenital tremor in piglets] Belchev L, et al. **Vet Med Nauki** 1981;18(4):53–9 (Eng. Abstr.) **(Bul)**
[Metrifonate-induced congenital tremor in piglets] Belchev L, et al. **Vet Med Nauki** 1981;18(7):77–82 (Eng. Abstr.) **(Bul)**

TREMORINE

PHARMACODYNAMICS

A comparison of the effects of Pro-Leu-Gly NH2 and L-leucine on tremorine-induced tremor and rigidity in rats. Dickinson SL, et al. **J Pharm Pharmacol** 1982 May; 34(5):336–7
Effects of striatal and pallidal lesions and intrapallidal GABA and opiate drugs on tremorine-induced rigidity in the rat. Dickinson SL, et al. **Neurosci Lett** 1982 Apr 16;29(2):163–8
The effect of intraventricular phenylethylamine and octopamine on the central effects of tremorine and pilocarpine and the acetylcholine level in the rat brain. Jagiello-Wójtowicz E, et al. **Pol J Pharmacol Pharm** 1981 Oct;33(3):265–72

TRENBOLONE see under **ESTRENES**

TRENCH FEVER

TRANSMISSION

[Critical remarks on F. Weyer research on the extracellular development of Rickettsia] Mosing GS. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):110–6 **(Rus)**

TRENCH MOUTH see **GINGIVITIS, NECROTIZING ULCERATIVE**

TRENGESTONE see under **PREGNATRIENES**

TREPHINING

Neurosurgical aspects of the parietal boss in patients with chronic subdural hematomas. Iwabuchi T, et al. **Neurosurgery** 1981 Nov;9(5):531–4
[EEG changes associated with cranial tumours, bone defects and cranioplasties (author's transl)] Nau HE. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):192–4 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Complications of trephinopuncture of the frontal sinus and the possibilities of their prevention] Volkov AG. **Vestn Otorinolaringol** 1981 Nov–Dec;(6):41–4 (Eng. Abstr.) **(Rus)**
[A contribution to the surgical restoration of the middle ear following radical trepanation of the temporal bone (author's transl)] Sprem N. **Lijec Vjesn** 1982 Feb;104(2):77–8 (Eng. Abstr.) **(Scr)**

INSTRUMENTATION

Needle fixing device for percutaneous needle trephination. Moringlane JR. **Acta Neurochir (Wien)** 1981;58(1–2):131–3

METHODS

[The covering of trephination defects using deep frozen auto-bone] Schneegans HJ. **Zentralbl Neurochir** 1981; 42(4):251–4 (Eng. Abstr.) **(Ger)**

TREPONEMA

ANALYSIS

Biological activity of a lipopolysaccharide extracted from Treponema hyodysenteriae. Nuessen ME, et al. **Infect Immun** 1982 Jul;37(1):138–42

DRUG EFFECTS

Sensitivity to different chemotherapeutics of Treponema hyodysenteriae strains isolated in Hungary. Molnár L, et

al. **Acta Vet Acad Sci Hung** 1981;29(2):111–8

GROWTH & DEVELOPMENT

Fatty acid requirement of Treponema denticola and Treponema vincentii. Van Horn KG, et al. **Can J Microbiol** 1982 Mar;28(3):344–50

IMMUNOLOGY

Hydrophobic interaction chromatography used for purification of a Treponema Reiter ribonucleic acid antigen precipitating with antibodies in human syphilitic sera. Petersen CS, et al. **Anal Biochem** 1981 Nov 1;117(2):231–7

Immunofluorescence and Treponema infection: a method using immunofluorescence to study rabbit testicular tissue infected with T pallidum and T pertenue. Mote PT, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):295–7

Purification of a Reiter treponemal protein antigen that is immunologically related to an antigen in Treponema pallidum. Petersen CS, et al. **Infect Immun** 1982 Mar; 35(3):974–8

Enzyme-linked immunosorbent assay for detection of antibody to Treponema hyodysenteriae antigens. Joens LA, et al. **J Clin Microbiol** 1982 Feb;15(2):249–52

Detection of elevated serum antibodies to Treponema denticola in humans with advanced periodontitis by an enzyme-linked immunosorbent assay. Jacob E, et al. **J Periodont Res** 1982 Mar;17(2):145–53

[Use of sonicated Treponema antigen in the complement fixation reaction for syphilis] D'iachenko LA, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):23–5 **(Rus)**

ISOLATION & PURIFICATION

Isolation of Treponema hyodysenteriae from wild rodents. Joens LA, et al. **J Clin Microbiol** 1982 Jun;15(6):994–7

Selective medium for the isolation of Treponema hyodysenteriae. Jenkinson SR, et al. **Vet Rec** 1981 Oct 24; 109(17):384–5

[Mortality in sows caused by Treponema hyodysenteriae] Bouwkamp FT. **Tijdschr Diergeneeskd** 1982 Jan 1; 107(1):34–5 **(Dut)**

[Incidence of treponema in dogs with intestinal diseases] Meier C, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15;95(10):185–8 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

A simple method for the isolation of flagella from Treponema Reiter. Petersen CS, et al. **Acta Pathol Microbiol Scand [C]** 1981 Dec;89(6):379–85

Studies on the properties of Treponema hyodysenteriae with special regard to its systematic position. Molnár L. **Acta Vet Acad Sci Hung** 1981;29(1):17–27

Isolation, properties, and reassembly of outer sheath carrying a polygonal array from an oral treponeme. Masuda K, et al. **J Bacteriol** 1982 Jun;150(3):1405–13

An internal view of the spherical body of Treponema macrodentium as revealed by scanning electron microscopy. Umemoto T, et al. **Microbiol Immunol** 1982; 26(3):191–8

TREPONEMA IMMOBILIZATION TEST

Evaluation of the role of the Treponema pallidum immobilisation test in Britain. Sprott MS, et al. **Br J Vener Dis** 1982 Jun;58(3):147–8

[Priority of the discovery of specific immobilization of Treponema (author's transl)] Pospíšil L. **Cesk Dermatol** 1981 Oct;56(5):346–8 (Eng. Abstr.) **(Cze)**

TREPONEMA PALLIDUM

Interferon in rabbit sera after inoculation with Treponema pallidum suspensions contaminated with PED virus. Fennestad KL, et al. **Br J Vener Dis** 1982 Jun;58(3):143–6

Morphological destruction of cultured cells by the attachment of Treponema pallidum. Fitzgerald TJ, et al. **Br J Vener Dis** 1982 Feb;58(1):1–11

Demonstration of specific 19S(IgM) antibodies in untreated and treated syphilis. Comparative studies of the 19S(IgM)–FTA test, the 19S(IgM)–TPHA test, and the solid phase haemadsorption assay. Müller F, et al. **Br J Vener Dis** 1982 Feb;58(1):12–7

DRUG EFFECTS

Lack of effect of bicarbonate on the survival of Treponema pallidum (Nichols) in vitro [letter] Wong GH, et al. **Br J Vener Dis** 1982 Apr;58(2):130

Demonstration of a spirocheticidal effect by chemical contraceptives on Treponema pallidum. Singh B, et al. **Bull Pan Am Health Organ** 1982;16(1):59–64

ENZYMOLOGY

Distribution of superoxide dismutase, catalase, and peroxidase activities among Treponema pallidum and other spirochetes. Austin FE, et al. **Infect Immun** 1981 Aug; 33(2):372–9

GROWTH & DEVELOPMENT

Redox potential and survival of virulent Treponema pallidum under microaerophilic conditions. Steiner B, et al. **Br J Vener Dis** 1981 Oct;57(5):295–301

In vitro cultivation of Treponema pallidum: a review. Fitzgerald T. **Bull WHO** 1981;59(5):787–101 (90 ref.)

Further studies on replication of virulent Treponema pallidum in tissue cultures of Sf1Ep cells. Fieldsteel AH, et al. **Infect Immun** 1982 Feb;35(2):449–55

In vitro cultivation of Treponema pallidum: independent confirmation. Norris SJ. **Infect Immun** 1982 Apr; 36(1):437–9

[Survival and subcultivation of Treponema pallidum (author's transl)] Müller G. **Dermatol Monatsschr** 1982 Mar; 168(3):170–2 **(Ger)**

[Critique of the basic elements on which various syphilis treatments are founded] Collart P, et al. **Med Cutan Iber Lat Am** 1981;9(3):221–8 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Effect of route of infection with Treponema pallidum. In vitro cellular response to treponemal antigens. Maret SM, et al. **Arch Pathol Lab Med** 1982 Sep;106(9):436–9

Analysis of serum IgG against Treponema pallidum protein antigens in experimentally infected rabbits. Alderete JF, et al. **Br J Vener Dis** 1981 Oct;57(5):302–8

Cerebrospinal fluid immunoglobulins in neurosyphilis. Gschnait F, et al. **Br J Vener Dis** 1981 Aug;57(4):238–40

Surface-associated antigens of Treponema pallidum concealed by an inert outer layer. Penn CW, et al. **Immunology** 1982 May;46(1):9–16

Ability of macrophages to process and present Treponema pallidum Bosnia A strain antigens in experimental syphilis of syrian hamsters. Bagasra O, et al. **Infect Immun** 1982 Apr;36(1):176–83

Purification of a Reiter treponemal protein antigen that is immunologically related to an antigen in Treponema pallidum. Petersen CS, et al. **Infect Immun** 1982 Mar; 35(3):974–8

Murine monoclonal antibodies specific for virulent Treponema pallidum (Nichols). Robertson SM, et al. **Infect Immun** 1982 Jun;36(3):1076–85

Expression of Treponema pallidum antigens in Escherichia coli K-12. Stamm LV, et al. **Infect Immun** 1982 Jun; 36(3):1238–41

Fluorescent treponemal antibody-absorption (FTA-ABS) test. Bos JD. **Int J Dermatol** 1982 Apr;21(3):125–30 (65 ref.)

Evaluation of the microenzyme-linked immunosorbent assay with Treponema pallidum antigen. Pope V, et al. **J Clin Microbiol** 1982 Apr;15(4):630–4

Solid-phase fluoroimmunoassay for treponemal antibody. Stevens RW, et al. **J Clin Microbiol** 1982 Feb;15(2):191–5

Avoidance of host defences by Treponema pallidum in situ and on extraction from infected rabbit testes. Penn CW. **J Gen Microbiol** 1981 Sep;126(Pt 1):69–75

Humoral immune response in human syphilis to polypeptides of Treponema pallidum. Hanff PA, et al. **J Immunol** 1982 Sep;129(3):1287–91

Expression of Treponema pallidum antigens in Escherichia coli. Walfield AM, et al. **Science** 1982 Apr 30; 216(4545):522–3

[Non-specifically positive TPHA test (author's transl)] Fadrhoncová A, et al. **Cesk Dermatol** 1981 Oct;56(5):302–6 (Eng. Abstr.) **(Cze)**

[The SPHA technic (solid phase hemadsorption) in syphilis serology. A year's experience in routine laboratory procedure] Luber A, et al. **Hautarzt** 1982 Mar;33(3):138–44 (Eng. Abstr.) **(Ger)**

[Studies on the Treponema reactions in the cerebrospinal fluid and serum of patients with syphilis] Manikowska-Lesińska W, et al. **Przegl Dermatol** 1981 May–Jun;68(3):335–41 (Eng. Abstr.) **(Pol)**

[Cause and methods of elimination of nonspecific immunofluorescence of Treponema pallidum. Role of human complement in the Treponema pallidum immunofluorescence reaction] Ruczkowska J. **Przegl Dermatol** 1981 Mar–Apr;68(2):181–7 (Eng. Abstr.) **(Pol)**

[Studies on the causes and methods of prevention of 'nonspecific' immunofluorescence of Treponema pallidum] Ruczkowska J. **Przegl Dermatol** 1981 May–Jun;68(3):351–6 (Eng. Abstr.) **(Pol)**

ISOLATION & PURIFICATION

Loss of Treponema pallidum during incubation in Nelson's survival medium with or without serum added. Christiansen S, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):379–85

Effects of anaerobic and microaerophilic conditions of extraction and incubation on the survival of Treponema pallidum in vitro. Wong GH, et al. **Br J Vener Dis** 1982 Jun;58(3):139–42

[Ultrastructural and immunological characterization of a Treponema isolated from pleural effusion in a syphilis patient] Falcieri E, et al. **Boll Ist Sieroter Milan** 1981 Nov; 60(5):386–93 **(Ita)**

[Detection of atypical Treponema pallidum in the chancre of a white mouse] Ivlieva MS, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):21–4 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Pathogenesis and immunology of Treponema pallidum. Fitzgerald TJ. **Annu Rev Microbiol** 1981;35:29–54 (143 ref.)

Electrophysiological dysfunction and cellular disruption of sensory neurones during incubation with Treponema pallidum. Oakes SG, et al. **Br J Vener Dis** 1982 Aug; 58(4):220–7

[Studies on the morphology, pathogenicity and antigenic properties of Treponema pallidum 'P' strain] Zając W. **Przegl Dermatol** 1981 May–Jun;68(3):343–9 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Scanning electron microscopy of the attachment of Treponema pallidum to nerve cells in vitro. Repesh LA, et al. **Br J Vener Dis** 1982 Aug;58(4):211–9

Experimental syphilitic orchitis in rabbits: ultrastructural appearance of Treponema pallidum during phagocytosis and dissolution by macrophages in vivo. Sell S, et al. **Lab Invest** 1982 Apr;46(4):355–64

[Treponema pallidum ultrastructure and the mechanisms of cellular protection before and during syphilis therapy] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1981 Dec; (12):37–40 (Eng. Abstr.) **(Rus)**

TREPONEMAL INFECTIONS

Treponemal infections. **WHO Tech Rep Ser** 1982;674:1–75

DRUG THERAPY

[Side effects following anti-treponemal therapy and practical means of prevention (author's transl)] Storck H. **Praxis** 1981 Oct 6;70(41):1800–5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Immunofluorescence and Treponema infection: a method using immunofluorescence to study rabbit testicular tissue infected with T pallidum and T pertenue. Mote PT, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):295–7

OCCURRENCE

[Endemic syphillis in Upper Volta. A peculiar aspect of the epidemiological profile] Bourdillon F, et al. **Bull Soc Pathol Exot Filiales** 1981 Jul–Aug;74(4):375–81 (Eng. Abstr.) **(Fre)**

VETERINARY

Sensitivity to different chemotherapeutics of Treponema hyodysenteriae strains isolated in Hungary. Molnár L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):111–8

Induction of swine dysentery in swine by the intravenous injection of filtered Treponema hyodysenteriae. Olson LD. **Can J Comp Med** 1981 Oct;45(4):371–6

Venereal spirochetosis of rabbits: description and diagnosis. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):366–71

Venereal spirochetosis of rabbits: eradication. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):379–81

Venereal spirochetosis of rabbits: epizootiology. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):372–8

Swine dysentery: the influence of dietary vitamin E and selenium on the clinical and pathological effects of Treponema hyodysenteriae infection in pigs. Teige J, et al. **Res Vet Sci** 1982 Jan;32(1):95–100

Tiamulin feed premix in the prevention and control of swine dysentery under farm conditions in the UK. Burch DG. **Vet Rec** 1982 Mar 13;110(11):244–6

Tiamulin water medication in the treatment of swine dysentery under farm conditions. Pickles RW. **Vet Rec** 1982 Apr 24;110(17):403–5

Investigation into the spread of swine dysentery in 25 herds of East Anglia and assessment of its economic significance in five herds. Windsor RS, et al. **Vet Rec** 1981 Nov 28; 109(22):482–4

[The redox potential of the large intestine in swine in relation to swine dysentery] Hornich M, et al. **Vet Med (Praha)** 1981 Oct;26(10):593–8 (Eng. Abstr.) **(Cze)**

TRETAMINE see **TRIETHYLENEMELAMINE**

TRETINOIN

Effect of retinol and retinoic acid on permeability, electrical resistance and phase transition of lipid bilayers. Stillwell W, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):653–9

N-terminal sequence homology among retinoid-binding proteins from bovine retina. Crabb JW, et al. **FEBS Lett** 1981 Jul 20;130(1):15–8

Hyperlipidemia in rats fed retinoic acid. Gerber LE, et al. **Lipids** 1981 Jul;16(7):496–501

ADMINISTRATION & DOSAGE

Evaluation of topically applied trans-retinoic acid in the treatment of cervical intraepithelial lesions. Surwit EA, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):821–3

Treatment of ichthyosis with isotretinoin. Baden HP, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):716–20

The treatment of keratosis palmaris et plantaris with isotretinoin. A multicenter study. Bergfeld WF, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):727–31

Isotretinoin treatment of Darier's disease. Dicken CH, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):721–6

Retinoids and acne [letter] Strauss JS. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):546

The use of isotretinoin in disorders of keratinization. Windhorst DB. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):708–9

The effect of topical drugs on mouse ear epidermal transglutaminase activity. De Young L, et al. **J Invest Dermatol** 1982 Sep;79(3):189–93

Zinc deficiency, alcohol, and retinoid: association with esophageal cancer in rats. Gabrial GN, et al. **JNCI** 1982 May;68(5):785–9

ADVERSE EFFECTS

Nature of skin fragility in patients receiving retinoids for systemic effect. Williams ML, et al. **Arch Dermatol** 1981 Oct;117(10):611–9

ANALOGS & DERIVATIVES

Fine structure of the intercellular space of psoriatic epidermis during retinoid (RO 10–9359) and retinoid–PUVA treatment. Kanerva L, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):319–28

Transepidermal water loss and sweat gland response in lamellar ichthyosis before and during treatment with etretinate: report of three cases. Kiistala R, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):268–70

Excessive cerumen production due to the aromatic retinoid Tigason in a patient with Darier's disease. Kramer M. **Acta Derm Venereol (Stockh)** 1982;62(3):267–8

Treatment of Darier's disease with an oral aromatic retinoid (Ro 10–9359): a clinical and light and electron microscopic study. Lauharanta J, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):535–42

Retinoid acid in the treatment of hyperkeratosis lenticularis perstans Flegel. Lindemayr H, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):89–91

Clinical, ultrastructural and biochemical effects of an aromatic retinoid (etretinate) on psoriasis and Darier's disease. Lauharanta J. **Acta Derm Venereol [Suppl] (Stockh)** 1982;101:1–29

Etretinate therapy causes increases in lipid levels in patients with psoriasis. Ellis CN, et al. **Arch Dermatol** 1982 Aug; 118(8):559–62

Etretinate in the treatment of juvenile pityriasis rubra pilaris. Fleissner J, et al. **Arch Dermatol** 1981 Nov;117(11):749–50

Soft nails after treatment with aromatic retinoids [letter] Lindskov R. **Arch Dermatol** 1982 Aug;118(8):535–6

Oral treatment of keratinizing disorders of skin and mucous membranes with etretinate. Comparative study of 113 patients. Mahrle G, et al. **Arch Dermatol** 1982 Feb; 118(2):97–100

Methotrexate and etretinate as concurrent therapies in severe psoriasis. Vanderveen EE, et al. **Arch Dermatol** 1982 Sep; 118(9):660–2

Nature of skin fragility in patients receiving retinoids for systemic effect. Williams ML, et al. **Arch Dermatol** 1981 Oct;117(10):611–9

Immunological features of psoriasis. Effects of Ro–109359, concanavalin A, pokeweed mitogen, and methotrexate on cultivated lymphocytes. Bialasiewicz AA, et al. **Arch Dermatol Res** 1981;271(1):29–40

Effects of retinoid (Ro 10–9359) on peritoneal cells in mice. Lubach D, et al. **Arch Dermatol Res** 1981;271(3):347–9

Metabolism of 5,6–epoxyretinoic acid in vivo: isolation of a major intestinal metabolite. Napoli JL, et al. **Biochemistry** 1982 Apr 13;21(8):1942–9

Trial of an aromatic retinoid in patients with solid tumours. Rustin GJ, et al. **Br J Cancer** 1982 Feb;45(2):304–8

Effect of large doses of etretinate (Tigason) on enzymes of the rat kidney [letter] Gutschmidt S, et al. **Br J Dermatol** 1982 Aug;107(2):251–2

Severe oral lichen planus: treatment with an aromatic retinoid (etretinate). Hersle K, et al. **Br J Dermatol** 1982 Jan; 106(1):77–80

Oedema, a rare adverse reaction to etretinate (Trigason) [letter] Laharanta J. **Br J Dermatol** 1982 Feb;106(2):251

Reduction of increased polyamine levels in psoriatic lesions by retinoid and PUVA treatments. Lauharanta J, et al. **Br J Dermatol** 1981 Sep;105(3):267–72

The influence of 'Tigason' (Ro 10–9359) on the serum lipoproteins in man. Michaëlsson G, et al. **Br J Dermatol** 1981 Aug;105(2):201–5

Cell–mediated immunity in Darier's disease: effect of systemic retinoid therapy. Soppi AM, et al. **Br J Dermatol** 1982 Feb;106(2):141–52

Structure–activity relationship of retinoids in fetal rat bone cultures. Kistler A. **Calcif Tissue Int** 1981;33(3):249–54

Sex differences in the effects of retinoids on carcinogenesis by N–nitrosobis(2–oxopropyl)amine in Syrian hamsters. Birt DF, et al. **Cancer Lett** 1981 Oct;14(1):13–21

Enhanced inhibition of mammary carcinogenesis by combined treatment with N–(4–hydroxyphenyl)retinamide and ovariectomy. McCormick DL, et al. **Cancer Res** 1982 Feb;42(2):508–12

Necessity of bile for and lack of inhibitory effect of retinoid on development of forestomach papillomas in nontreated mutant mice of the W/Wv genotype. Yokoyama M, et al. **Cancer Res** 1982 Sep;42(9):3806–9

Prevention and reversal by a retinoid of 3,4–benzpyrene– and cigarette smoke condensate–induced hyperplasia and metaplasia of rodent respiratory epithelia in organ culture. Lasnitzki I, et al. **Cancer Treat Rep** 1982 Jun;66(6):1375–80

In vitro modulation of oncogenesis and differentiation by retinoids and tumor promoters. Borek C, et al. **Carcinog Compr Surv** 1982;7:277–84

Synthetic retinamides: effect on urinary bladder carcinogenesis by FANFT in Fischer rats. Croft WA, et al. **Carcinogenesis** 1981;2(6):515–7

Treatment of dyskeratosis follicularis Darier with the retinoic acid derivative Ro 10–9359 (Tigason). Christiansen JV, et al. **Dermatologica** 1981;163(2):164–8

Two years' experience with Tigason treatment of pustulosis palmo–plantaris and eczema keratoticum manuum. Reymann F. **Dermatologica** 1982 Mar;164(3):209–16

Treatment of palmoplantar pustulosis with Tigason. Thune P. **Dermatologica** 1982 Jan;164(1):67–72

Comparative pharmacokinetics of isotretinoin and its metabolite, 4–Oxo–isotretinoin, in dogs. Patel LH, et al. **Drug Metab Dispos** 1982 May–Jun;10(3):284–5

Identification of 4–oxo–13–cis–retinoic acid as the major metabolite of 13–cis–retinoic acid in human blood. Vane FM, et al. **Drug Metab Dispos** 1981 Nov–Dec;9(6):515–20

Inhibition of phorbol myristate acetate and phytohemagglutinin stimulation of human lymphocytes by 13–cis–retinoic acid and ethyl etrinoate. Skinnider LF, et al. **Experientia** 1981 Dec 15;37(12):1345–6

Chemoprevention of Cancer with Retinoids. Peck GL. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S331–40

Short clinical reports: serum lipid changes during etretinate therapy. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):732–4

Pharmacokinetics of the retinoids isotretinoin and etretinate. A comparative review. Brazzell RK, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):643–51

Effects of all–trans–retinoic acid (retinoic acid) and 4–hydroxyphenylretinamide on synovial cells and articular cartilage. Brinckerhoff CE, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):591–602

International studies of the efficacy of etretinate in the treatment of psoriasis. Ehmann CW, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):692–6 (30 ref.)

Etretinate therapy stimulates deposition of mucus–like material in epidermis of patients with psoriasis. Ellis CN, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):699–704

A study of potential hepatotoxicity of etretinate used in the treatment of psoriasis. Glazer SD, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):683–7

Comparative effect of isotretinoin and etretinate on acne and sebaceous gland secretion. Goldstein JA, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):760–5

Actions of isotretinoin and etretinate on the pilosebaceous unit. Gomez EC. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):746–50

Etretinate treatment for psoriasis inhibits epidermal ornithine decarboxylase. Lowe NJ, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):697–8

Perturbations of membrane glycosylation in retinoid–treated epidermis. Nemanic MK, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):801–8

Identification of 5,6–epoxyretinoic acid as an endogenous retinol metabolite. McCormick AM, et al. **J Biol Chem** 1982 Feb 25;257(4):1730–5

Metabolism in vivo of all–trans–retinoic acid. Biosynthesis of 13–cis–retinoic acid and all–trans– and 13–cis–retinoyl glucuronides in the intestinal mucosa of the rat. Zile MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3544–50

Metabolites of all–trans–retinoic acid in bile: identification of all–trans– and 13–cis–retinoyl glucuronides. Zile MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3537–43

Determination of 13–cis–retinoic acid and its major metabolite, 4–oxo–13–cis–retinoic acid, in human blood by reversed–phase high–performance liquid chromatography. Vane FM, et al. **J Chromatogr** 1982 Feb 12;227(2):471–84

Retinoid inhibits keratin formation of pig skin explants. Aoyagi T, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):207–13

Influence of vitamin E on the effect of vitamin A derivatives on digestive glands of rats. Koh CJ, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):455–8

Retinoic acid analogues with ring modifications. Synthesis and pharmacological activity. Dawson MI, et al. **J Med Chem** 1981 Oct;24(10):1214–23

Fluorinated retinoic acids and their analogues. 3. Synthesis and biological activity of aromatic 6–fluoro analogues. Lovey AJ, et al. **J Med Chem** 1982 Jan;25(1):71–5

The biological activity of retinotaurine. Skare KL, et al. **J Nutr** 1982 Aug;112(8):1626–30

Biotransformation and biological activity of N–(4–hydroxyphenyl)retinamide derivatives in rodents. Swanson BN, et al. **J Pharmacol Exp Ther** 1981 Dec; 219(3):632–7

Etretinate therapy improves psoriasis but elevates serum lipids [news] Cowart VS. **JAMA** 1982 May 21; 247(19):2647–8

Etretinate in bowenoid papulosis [letter] Blanchet–Bardon C, et al. **Lancet** 1981 Dec 12;2(8259):1348–9

Etretinate in bowenoid papulosis [letter] De Mari F, et al. **Lancet** 1981 Oct 24;2(8252):936–7

Etretinate in bowenoid papulosis [letter] de Mari F, et al. **Lancet** 1982 May 1;1(8279):1027

Degree of bronchial metaplasia in heavy smokers and its regression after treatment with a retinoid. Gouveia J, et al. **Lancet** 1982 Mar 27;1(8274):710–2

Etretinate in treatment of actinic keratosis. A double–blind crossover study. Moriarty M, et al. **Lancet** 1982 Feb 13; 1(8268):364–5

Systemic treatment of Darier's disease with an oral retinoic acid derivative Ro 10–9359 Tigason. Greig DE, et al. **NZ Med J** 1981 Aug 12;94(689):99–100

[Inhibitory effect of some new retinoids on carcinogenesis] Cai HY, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):648–53 (Eng. Abstr.) **(Chi)**

[Studies on compounds of tumor prevention—synthesis of derivatives of retinoic acid] Xu SP, et al. **Yao Hsueh Hsueh Pao** 1981 Sep;16(9):678–86 (Eng. Abstr.) **(Chi)**

[Darier's disease and renal polycystosis. Familial study and effects of aromatic retinoid] Claudy A, et al. **Ann Dermatol Venereol** 1981;108(8–9):675–7 **(Fre)**

[Xeroderma pigmentosum and long–term treatment with an aromatic retinoid. Preventive effect on epitheliomatous degeneration?] Claudy AL, et al. **Ann Dermatol Venereol** 1982;109(3):271–4 **(Fre)**

[A case of mycosis fungoides with tumoral manifestations, treated with RO 10–9359 (Tigason)] Ippolito F, et al. **Ann Dermatol Venereol** 1982;109(1):65–72 **(Fre)**

[Aromatic retinoids, a new therapy in dermatology] de la Brassinne M, et al. **Rev Med Liege** 1982 May 1;37(9):356–9 **(Fre)**

[Erythema anulare centrifugum with pustulation. Successful oral retinoid therapy] Stadler R, et al. **Hautarzt** 1981 Nov; 32(11):564–6 (Eng. Abstr.) **(Ger)**

[Morphologic changes in pachydermias of the larynx treated with an aromatic retinoid (Ro 10–9359) (author's transl)] Bichler E. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):577–8 (Eng. Abstr.) **(Ger)**

[Aromatic retinoid (Ro–10) in the treatment of palmoplantar psoriasis pustulosa (author's transl)] Deichmann B, et al. **Z Hautkr** 1982 Mar 15;57(6):425–8 **(Ger)**

[Serum triglycerides and cholesterin in patients with skin diseases during oral treatment with aromatic retinoid (author's transl)] Gollnick H, et al. **Z Hautkr** 1981 Sep 15;56(18):1183–96 (Eng. Abstr.) **(Ger)**

[Antitumor effect of retinoids (author's transl)] Mahrle G, et al. **Z Hautkr** 1982 Mar 15;57(6):429–33 (Eng. Abstr.) **(Ger)**

[Treatment of follicular dyskeratosis (Darier's disease) with aromatic vitamin A] Mária W, et al. **Orv Hetil** 1981 Mar 1;122(9):522–4 **(Hun)**

[Oral retinoid therapy in dermatoses] Török L, et al. **Orv Hetil** 1982 Apr 4;123(14):845–8 **(Hun)**

[Possible use of retinoids in the prevention and therapy of epithelial tumors] Fantoli U. **Recenti Prog Med** 1981 May; 70(5):559–60 (11 ref.) **(Ita)**

[A toxicological study of etretinate and its effect on blood and tissue (author's transl)] Yui Y. **J Toxicol Sci** 1982 Feb; 7(1):71–82 (Eng. Abstr.) **(Jpn)**

[New treatment of severe psoriasis–effects of the combination therapy of etretinate (Ro 10–9359) and PUVA or external corticoid (author's transl)] Sato A, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Dec 15;91(14):1803–15 **(Jpn)**

[Effect of appendectomy on antineoplastic activity of all–trans–methylretionate] Nozdrin VI, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):66–8 **(Rus)**

ANALYSIS

Ion–pair high–pressure liquid chromatography of cis–trans isomers of retinoic acid in tissues of vitamin A–sufficient rats. Sundaresan PR, et al. **J Lipid Res** 1982 Mar; 23(3):448–55

Improved and rapid high–performance liquid chromatographic assay for 13–cis–retinoic acid or all–trans–retinoic acid. Shelley R, et al. **J Pharm Sci** 1982 Feb;71(2):262–4

ANTAGONISTS & INHIBITORS

Retinoic acid–induced cartilage resorption: induction of specific changes in protein synthesis and inhibition by tunicamycin. Kistler A. **Differentiation** 1982 May; 21(3):168–74

BIOSYNTHESIS

Metabolism in vivo of all–trans–retinoic acid. Biosynthesis of 13–cis–retinoic acid and all–trans– and 13–cis–retinoyl glucuronides in the intestinal mucosa of the rat. Zile MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3544–50

BLOOD

Comparative pharmacokinetics of isotretinoin and its metabolite, 4–Oxo–isotretinoin, in dogs. Patel LH, et al. **Drug Metab Dispos** 1982 May–Jun;10(3):284–5

Pharmacokinetics of the retinoids isotretinoin and etretinate. A comparative review. Brazzell RK, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):643–51

Determination of 13–cis–retinoic acid and its major metabolite, 4–oxo–13–cis–retinoic acid, in human blood by

reversed-phase high-performance liquid chromatography. Vane FM, et al. **J Chromatogr** 1982 Feb 12;227(2):471–84

METABOLISM

Increased metabolism of retinoic acid after chronic ethanol consumption in rat liver microsomes. Sato M, et al. **Arch Biochem Biophys** 1982 Feb;213(2):557–64

Tissue dependence of retinoic acid metabolism in vivo. Napoli JL, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):165–75

Retinoic acid-binding protein in human squamous cell carcinomas of the ORL region. Bichler E, et al. **Cancer** 1982 Feb 15;49(4):619–22

Metabolism of 13-cis-retinoic acid by a rat liver 9000g supernatant preparation. Vane FM, et al. **Drug Metab Dispos** 1982 May-Jun;10(3):212–9

Identification of 4-oxo-13-cis-retinoic acid as the major metabolite of 13-cis-retinoic acid in human blood. Vane FM, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):515–20

Effects of vitamin A deficiency on [3H]retinoid binding to cellular retinoid-binding proteins in rabbit cornea and conjunctiva. Wiggert B, et al. **Exp Eye Res** 1982 May; 34(5):695–702

Enhanced binding of retinoic acid to its cellular binding protein in Lewis lung tumor cytosol by alkaline phosphatase treatment. Gmeiner B, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar;363(3):337–40

Studies on mannosyl carrier function of retinol and retinoic acid in epithelial and mesenchymal tissues. De Luca LM. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):611–9

Metabolism in vivo of all-trans-retinoic acid. Biosynthesis of 13-cis-retinoic acid and all-trans- and 13-cis-retinoyl glucuronides in the intestinal mucosa of the rat. Zile MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3544–50

Metabolites of all-trans-retinoic acid in bile: identification of all-trans- and 13-cis-retinoyl glucuronides. Zile MH, et al. **J Biol Chem** 1982 Apr 10;257(7):3537–43

Nutrition classics. Proceeding of the National Academy of Sciences of the United States of America, Volume 46, 1960: The biological function of vitamin A acid: John E. Dowling and George Wald. Dowling JE, et al. **Nutr Rev** 1981 Mar; 39(3):134–8

Retinoic acid receptor and surface markers: models for the study of prostatic cancer cells. Brandes D. **Prog Clin Biol Res** 1981;75B:207–28

PHARMACODYNAMICS

Stimulated mouse ear epidermis in explant culture– The effect of retinoic acid and hexadecane. Hammar H. **Arch Dermatol Res** 1981;270(4):469–81

Lack of enhancement of experimental photocarcinogenesis by topical retinoic acid. Kligman LH, et al. **Arch Dermatol Res** 1981;270(4):453–62

Evidence for the retinoid control of urothelial alkaline phosphatase. Reese DH, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):322–7

Rapid induction of alkaline phosphatase activity by retinoic acid. Reese DH, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):315–21

The effect of all-trans-retinoic acid on the synthesis of epidermal cell-surface-associated carbohydrates. King IA, et al. **Biochem J** 1981 Jan 15;194(1):341–51

Effects of retinoids and phorbol esters on the sensitivity of different cell lines to the polypeptide toxins modeccin, abrin, ricin and diphtheria toxin. Sandvig K, et al. **Biochem J** 1981 Mar 15;194(3):821–7

Modulation by retinoic acid and corticosteroids of collagenase production by rabbit synovial fibroblasts treated with phorbol myristate acetate or poly(ethylene glycol). Brinckerhoff CE, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):424–32

Sex differences in the effects of retinoids on carcinogenesis by N-nitrosobis(2-oxopropyl)amine in Syrian hamsters. Birt DF, et al. **Cancer Lett** 1981 Oct;14(1):13–21

13-cis-retinoic acid: effect on urinary bladder carcinogenesis by N-[4-(5-nitro-2-furyl)-2-thiazolyl]-formamide in Fischer rats. Croft WA, et al. **Cancer Lett** 1981 May; 12(4):355–60

Pharmacokinetics of 13-cis-retinoic acid in patients with advanced cancer. Goodman GE, et al. **Cancer Res** 1982 May;42(5):2087–91

Pharmacology of 13-cis-retinoic acid in humans. Kerr IG, et al. **Cancer Res** 1982 May;42(5):2069–73

Priming of human myeloid leukemic cell lines HL-60 and U-937 with retinoic acid for differentiation effects of cyclic adenosine 3':5'-monophosphate-inducing agents and a T-lymphocyte-derived differentiation factor. Olsson IL, et al. **Cancer Res** 1982 Oct;42(10):3928–33

Induction of differentiation of the human histiocytic lymphoma cell line U-937 by retinoic acid and cyclic adenosine 3':5'-monophosphate-inducing agents. Olsson IL, et al. **Cancer Res** 1982 Oct;42(10):3924–7

Conversion of malignant murine embryonal carcinomas to benign teratomas by chemical induction of differentiation in vivo. Speers WC. **Cancer Res** 1982 May;42(5):1843–9

Differential effects of sodium butyrate, dimethyl sulfoxide, and retinoic acid on membrane-associated antigen, enzymes, and glycoproteins of human rectal adenocarcinoma cells. Tsao D, et al. **Cancer Res** 1982 Mar; 42(3):1052–8

Differential effects of retinoic acid and 7,8-benzoflavone on the induction of mouse skin tumors by the complete carcinogenesis process and by the initiation-promotion regimen. Verma AK, et al. **Cancer Res** 1982 Sep; 42(9):3519–25

In vitro modulation of oncogenesis and differentiation by retinoids and tumor promoters. Borek C, et al. **Carcinog Compr Surv** 1982;7:277–84

Studies on antagonistic actions of TPA and retinoic acid. Jetten AM, et al. **Carcinog Compr Surv** 1982;7:513–8

A possible role of protein alkylation in phorbol ester action. Mueller GC, et al. **Carcinog Compr Surv** 1982;7:499–511

The differential effects of retinoic acid and 7,8-benzoflavone on the induction of mouse skin tumors by the initiation-promotion protocol and by the complete carcinogenesis process. Verma AK. **Carcinog Compr Surv** 1982;7:35–9

Effect of retinoic acid pretreatment on 12-O-tetradecanoylphorbol-13-acetate-induced cell population kinetics and polyamine biosynthesis in hairless mouse epidermis. Astrup EG, et al. **Carcinogenesis** 1982; 3(3):313–20

Phorbol ester-induced anchorage independence and its antagonism by retinoic acid correlates with altered expression of specific glycoproteins. Dion LD, et al. **Carcinogenesis** 1981;2(10):951–8

Lack of intracellular retinoid-binding proteins in a retinol-sensitive cell line. Libby PR, et al. **Carcinogenesis** 1982;3(5):481–4

The effects of retinoic acid and a tumor promoter, 12-O-tetradecanoylphorbol-13-acetate, on lymphocyte proliferation. Mastro AM, et al. **Carcinogenesis** 1982; 3(4):409–13

Differential effects of retinoic acid on the growth of normal fibroblast-like cells in vitro from human, swine and rabbit skin. Harper RA, et al. **Cell Biol Int Rep** 1982 Feb; 6(2):163–70

Stimulation of retinoic acid of synthesis and turnover of basement membrane in mouse embryonal carcinoma-derived endoderm cells. Salomon DS, et al. **Coll Relat Res** 1982;2(2):93–110

Decreased synthesis of large fucosyl glycopeptides during differentiation of embryonal carcinoma cells induced by retinoic acid and dibutyryl cyclic AMP. Muramatsu H, et al. **Dev Biol** 1982 Apr;90(2):441–4

Augmentation of human thymocyte proliferative responses by retinoic acid. Sidell N, et al. **Exp Cell Biol** 1981; 49(5):239–45

Retinoic acid enhances colony-stimulating factor-induced clonal growth of normal human myeloid progenitor cells in vitro. Douer D, et al. **Exp Cell Res** 1982 Mar; 138(1):193–8

Retinoic acid induces anchorage- and density- dependent growth without restoring normal cytoskeleton, EGF binding, fibronectin content and ODC activity in a retrovirus- transformed mouse cell line. Mukherjee BB, et al. **Exp Cell Res** 1982 Mar;138(1):95–107

Reversible and irreversible stages in the transition of cell surface marker during the differentiation of pluripotent teratocarcinoma cell induced with retinoic acid. Ogiso Y, et al. **Exp Cell Res** 1982 Feb;137(2):365–72

Inhibition of phorbol myristate acetate and phytohemagglutinin stimulation of human lymphocytes by 13-cis-retinoic acid and ethyl etrinoate. Skinnider LF, et al. **Experientia** 1981 Dec 15;37(12):1345–6

Retinol and retinoic acid modulate the metabolism of 25-hydroxyvitamin D3 in kidney cell culture. Trechsel U, et al. **FEBS Lett** 1981 Nov 30;135(1):115–8

Stimulation by retinoic acid of prostaglandin production and its inhibition by tumor promoters in mouse myeloid leukemia cells. Takenaga K. **Gan** 1981 Aug;72(4):488–97

Interferon-induced changes in the monocyte membrane: inhibition by retinol and retinoic acid. Rhodes J, et al. **Immunology** 1982 Mar;45(3):531–6

Effects of retinoic acid and other retinoids on the growth and differentiation of 3T3 supported human keratinocytes. Kubilus J, et al. **In Vitro** 1981 Sep;17(9):786–95

Immunopotentation of the IgE antibody response by 13-cis-retinoic acid. Barnett JB. **Int Arch Allergy Appl Immunol** 1982 Mar;67(3):287–90

Antagonistic action of retinoic acid and teleocidin on the proliferation and epidermal growth factor binding of rat hepatoma cells. Kaneko Y. **Int J Cancer** 1981 Jun 15; 27(6):841–6

Effects of retinoic acid and tumor promoter 12-o-tetradecanoylphorbol-13-acetate (TPA) on the cell cycle of HeLa cells. Kinzel V, et al. **Int J Cancer** 1982 Jan 15;29(1):93–9

Inhibition of collagen degradative enzymes by retinoic acid in vitro. Bauer EA, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 2 Suppl):603–7

Retinoids and inhibition of ornithine decarboxylase activity. Boutwell RK. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):796–800

Effects of all-trans-retinoic acid (retinoic acid) and 4-hydroxyphenylretinamide on synovial cells and articular cartilage. Brinckerhoff CE, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):591–602

Actions of isotretinoin and etretinate on the pilosebaceous unit. Gomez EC. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):746–50

Changes in long-term sebum production from isotretinoin therapy. Strauss JS, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 2 Suppl):751–6

Effect of retinoic acid treatment of F9 embryonal carcinoma cells on the activity and distribution of cyclic AMP-dependent protein kinase. Plet A, et al. **J Biol Chem** 1982 Jan 25;257(2):889–93

Retinoic acid induces transglutaminase activity but inhibits cornification of cultured epidermal cells. Yuspa SH, et al. **J Biol Chem** 1982 Sep 10;257(17):9906–8

Retinoic acid induces embryonal carcinoma cells to differentiate into neurons and glial cells. Jones-Villeneuve EM, et al. **J Cell Biol** 1982 Aug;94(2):253–62

Alterations in calcitonin and parathyroid hormone responsiveness of adenylate cyclase in F9 embryonal carcinoma cells treated with retinoic acid and dibutyryl cyclic AMP. Evain D, et al. **J Cell Physiol** 1981 Dec; 109(3):453–9

Effects of retinoic acid on the binding and mitogenic activity of epidermal growth factor. Jetten AM. **J Cell Physiol** 1982 Mar;110(3):235–40

Retinoic acid-promoted expansion of total cellular ATP pools in 3T3 cells can mediate its stimulatory and growth inhibitory effects. Rapaport E, et al. **J Cell Physiol** 1982 Mar;110(3):318–22

Effects of retinoic acid on differentiation of choriocarcinoma cells in vitro. Chou JY. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1174–80

Retinoic acid. Inhibition of the clonal growth of human myeloid leukemia cells. Douer D, et al. **J Clin Invest** 1982 Feb;69(2):277–83

Retinoic acid enhances growth of human early erythroid progenitor cells in vitro. Douer D, et al. **J Clin Invest** 1982 Apr;69(4):1039–41

Retinoid inhibits keratin formation of pig skin explants. Aoyagi T, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):207–13

Retinoid stimulates epidermal outgrowth of pig skin explants. Aoyagi T, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):197–205

Retinoic acid modulation of ultraviolet light-induced epidermal ornithine decarboxylase activity. Lowe NJ, et al. **J Invest Dermatol** 1982 Feb;78(2):121–4

Reversal by bile acid on the inhibition of alpha-tocopherol absorption by retinoic acid. Bieri JG, et al. **J Nutr** 1982 Feb;112(2):401–3

Preliminary immunologic studies on retinoid inhibition of experimental carcinogenesis. Sonis S, et al. **J Oral Med** 1981 Oct-Dec;36(4):117–9

Polyoma virus infection of retinoic acid-induced differentiated teratocarcinoma cells. Fujimura FK, et al. **J Virol** 1981 Jul;39(1):306–12

Retinoic acid-induced growth inhibition and morphologic differentiation of human neuroblastoma cells in vitro. Sidell N. **JNCI** 1982 Apr;68(4):589–96

Ganglioside changes induced by tumor promoters in promotable JB6 mouse epidermal cells: antagonism by an antipromoter. Srinivas L, et al. **JNCI** 1982 Mar; 68(3):469–73

Local application of retinoic acid to the limb bond mimics the action of the polarizing region. Tickle C, et al. **Nature** 1982 Apr 8;296(5857):564–6

Retinoid-induced growth inhibition of herpesvirus-transformed marmoset lymphoblastoid cell lines. Abb J, et al. **Oncology** 1981;38(6):346–50

Growth inhibitory and stimulatory effects of retinoic acid on murine 3T3 cells. Schroder EW, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1549–52

Retinoids increase transglutaminase activity and inhibit ornithine decarboxylase activity in Chinese hamster ovary cells and in melanoma cells stimulated to differentiate. Scott KF, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4093–7

Effects of retinoic acid on the differentiation of hamster cheek pouch epithelium grown in vitro. Schuster GS, et al. **Scan Electron Microsc** 1981;(Pt 3):383–9

THERAPEUTIC USE

Effects of 13-CIS retinoids on premalignant and malignant cells of lung origin. Saccomanno G, et al. **Acta Cytol (Baltimore)** 1982 Jan-Feb;26(1):78–85

Hereditary palmo-plantar keratoderma: incidence of dermatophyte infections and the results of topical treatment with retinoic acid. Elmros T, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):453–5

Isotretinoin in the treatment of acne: histologic changes, sebum production, and clinical observations. Goldstein JA, et al. **Arch Dermatol** 1982 Aug;118(8):555–8

Treatment of Gram-negative folliculitis with 13-cis-retinoic acid [letter] Jones DH, et al. **Br J Dermatol** 1982 Aug; 107(2):252–3

Hidradenitis suppurativa-lack of success with 13-cis-retinoic acid [letter] Jones DH, et al. **Br J Dermatol** 1982 Aug; 107(2):252

Activity of isotretinoin against squamous cell cancers and preneoplastic lesions. Meyskens FL Jr, et al. **Cancer Treat Rep** 1982 Jun;66(6):1315–9

Heterogeneous in vitro sensitivities of metastatic B16 melanoma sublines and clones to retinoic acid or BCNU. Nicolson GL, et al. **Cancer Treat Rep** 1981;65 Suppl 2:71–4

Chemoprevention of Cancer with Retinoids. Peck GL. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S331–40

Pityriasis rubra pilaris response to 13-cis-retinoic acid (isotretinoin). Goldsmith LA, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):710–5

Comparative effect of isotretinoin and etretinate on acne and sebaceous gland secretion. Goldstein JA, et al.

J Am Acad Dermatol 1982 Apr;6(4 Pt 2 Suppl):760–5
Chemoprevention of basal cell carcinoma with isotretinoin. Peck GL, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):815–23
Isotretinoin versus placebo in the treatment of cystic acne. A randomized double–blind study. Peck GL, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):735–45
Action of isotretinoin in acne rosacea and gram–negative folliculitis. Plewig G, et al. **J Am Acad Dermatol** 1982 Apr; 6(4 Pt 2 Suppl):766–85
Darier's keratosis follicularis: an ultrastructural study during and after topical treatment with retinoic acid alone or in combination with 5–fluorouracil. De Panfilis G, et al. **J Cutan Pathol** 1981 Jun;8(3):214–8
Comparative study in the treatment of acne vulgaris with cyproterone acetate, tetracycline and vitamin A acid. Kotrajaras R. **J Med Assoc Thai** 1982 Apr;65(4):198–202
Effect of dietary retinyl acetate, beta–carotene and retinoic acid on wound healing in rats. Gerber LE, et al. **J Nutr** 1982 Aug;112(8):1555–64
Synthetic vitamin A analogue (isotretinoin) awaiting approval for cystic acne therapy [news] Macek C. **JAMA** 1982 Apr 2;247(13):1800–1
Combined inhibitors of carcinogenesis: effect on azoxymethane–induced intestinal cancer in rats. Nigro ND, et al. **JNCI** 1982 Jul;69(1):103–7
Etretinate in treatment of actinic keratosis. A double–blind crossover study. Moriarty M, et al. **Lancet** 1982 Feb 13; 1(8268):364–5
Systemic retinoids in dermatology. Dicken CH, et al. **Mayo Clin Proc** 1982 Jan;57(1):51–7
Acne vulgaris in a family practitioner's clinic. Siew GC. **Med J Malaysia** 1981 Jun;36(2):87–8
Isotretinoin (Accutane) for acne. **Med Lett Drugs Ther** 1982 Sep 3;24(617):79–81
13–cis retinoic acid and murine pulmonary adenomas: a preliminary report. Frasca JM, et al. **Nutr Cancer** 1981; 3(2):72–4
Systemic treatment of psoriasis with an oral retinoic acid derivative (Ro–10–9359) Tigason. Wishart JM, et al. **NZ Med J** 1981 Oct 28;94(694):307–8
The possible values of retinoic acid in the treatment of benoxaprofen–induced photosensitivity and onycholysis [letter] Anderson R, et al. **S Afr Med J** 1982 Jun 26; 61(26):985
[Current status of the treatment with retinoids] van der Rhee HJ. **Ned Tijdschr Geneeskd** 1982 Apr 10;126(15):673–8 **(Dut)**
[In–vivo testing of antiinflammatory effects caused by 13–cis–retinoic acid (author's transl)] Nikolowski J, et al. **Dermatol Monatsschr** 1982 Mar;168(3):173–81 (Eng. Abstr.) **(Ger)**
[Oral treatment of rosacea with 13–cis–retinoic acid] Nikolowski J, et al. **Hautarzt** 1981 Nov;32(11):575–84 (Eng. Abstr.) **(Ger)**
[13–cis retinoic acid in the oral therapy of acne conglobata. Results of a multi–center study] Plewig G, et al. **Hautarzt** 1981 Dec;32(12):634–46 (Eng. Abstr.) **(Ger)**
[Treatment of psoriasis on an outpatient–base using UVB–radiations, oral retinoid and ten percent saline baths (author's transl)] Scholl E. **Praxis** 1981 Oct 6; 70(41):1806–16 **(Ger)**
[13–Cis–retinoic acid: a new form of treatment of rosacea (author's transl)] Schmidt JB, et al. **Wien Klin Wochenschr** 1982 Mar 5;94(5):115–8 (Eng. Abstr.) **(Ger)**
[Action of retinoids on the skin and their use in dermatology] Pigatto PD. **Acta Vitaminol Enzymol** 1981;3(4):253–60 **(Ita)**
[Possible use of retinoids in the prevention and therapy of epithelial tumors] Fantoli U. **Recenti Prog Med** 1981 May; 70(5):559–60 (11 ref.) **(Ita)**

TOXICITY

Influence of vitamin E on the effect of vitamin A derivatives on digestive glands of rats. Koh CJ, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):455–8

TRETOQUINOL see under **ISOQUINOLINES**

TRI–ALLATE see under **THIOCARBAMATES**

TRIACETIN see under **TRIGLYCERIDES**

TRIACETONEAMINE–N–OXYL see under **CYCLIC N–OXIDES**

TRIACETYLOLEANDOMYCIN

ADMINISTRATION & DOSAGE

Dose– and time–related effect of troleandomycin on methylprednisolone elimination. Szefler SJ, et al. **Clin Pharmacol Ther** 1982 Aug;32(2):166–71

ADVERSE EFFECTS

[Cholestatic icterus in the course of ethinyl–estradiol therapy (letter)] Andrieu J, et al. **Gastroenterol Clin Biol** 1981; 5(8–9):817–8 **(Fre)**

PHARMACODYNAMICS

Induction by triacetyloleandomycin and partial purification of a LM3 form of cytochrome P–450 from rabbit liver microsomes. Bonfils C, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):1011–7
Induction of cytochrome P–450 in rat liver by the antibiotic troleandomycin: partial purificaton and properties of cytochrome P–450–troleandomycin metabolite complexes. Mansuy D, et al. **Biochem Biophys Res Commun** 1981 Dec 31;103(4):1201–8
Formation of an inactive cytochrome P–450 Fe(II)–metabolite complex after administration of troleandomycin in humans. Pessayre D, et al. **Biochem Pharmacol** 1982 May 1;31(9):1699–704
Steroid–specific and anticonvulsant interaction aspects of troleandomycin–steroid therapy. Szefler SJ, et al. **J Allergy Clin Immunol** 1982 May;69(5):455–60
Effects of troleandomycin administration on cholesterol 7 alpha–hydroxylase activity and bile secretion in rats. Le Dafniet M, et al. **J Pharmacol Exp Ther** 1981 Nov; 219(2):558–62
Self–induction by oleandomycin of its own transformation into a metabolite forming an inactive complex with reduced cytochrome P–450. Comparison with troleandomycin. Pessayre D, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):215–21

TRIACYLGLYCEROL LIPASE see **LIPASE**

TRIACYLGLYCEROLS see **TRIGLYCERIDES**

TRIAGE see under **EMERGENCY MEDICAL SERVICES**

TRIALKYLTIN COMPOUNDS

ADMINISTRATION & DOSAGE

Early metabolic changes in rat epidermis and dermis following cutaneous application of irritant doses of tributyltin. Middleton MC. **J Invest Dermatol** 1982 Sep; 79(3):163–6

ANALYSIS

Simultaneous determination of trialkyltin homologues in biological materials. Arakawa Y, et al. **J Chromatogr** 1981 Oct 30;216:209–17

METABOLISM

Intestinal uptake site, enterohepatic circulation, and excretion of tetra– and trialkyltin compounds in mammals. Iwai H, et al. **J Toxicol Environ Health** 1982 Jan;9(1):41–9

PHARMACODYNAMICS

Resistance of quaking mouse CNS to triethyl tin edema. Nagara H, et al. **Brain Res** 1981 Sep 28;221(2):441–5
Triethyl tin does not induce intramyelinic vacuoles in the cns of the quaking mouse. Nagara H, et al. **Brain Res** 1981 Nov 30;225(2):413–20
The effect of temperature on the inhibition of trout, carp and human red cell hexokinase by triethyltin bromide. Siebenlist KR, et al. **Comp Biochem Physiol [C]** 1981; 70(2):261–4
On the role of carbonic anhydrase in the anticonvulsant effects of triethyltin (TET). Doctor SV, et al. **Experientia** 1982 Jul 15;38(7):824–6
Isolation of Escherichia coli mutants which are resistant to an inhibitor of H+–ATPase, tributyltin and also to uncouplers of oxidative phosphorylation. Ito M, et al. **FEBS Lett** 1981 Dec 28;136(2):225–30
The effect of controlled release copper sulphate and tributyltin fluoride on the mortality and infectivity of Schistosoma mansoni cercariae. Viyanant V, et al. **J Helminthol** 1982 Jun;56(2):85–92
Effects of triethyl tin on pain reactivity and neuromotor function of rats. Tilson HA, et al. **J Toxicol Environ Health** 1981 Jul–Aug;8(1–2):317–24
Pharmacological and biochemical evaluation of triethyltin's anticonvulsant effects. Fox DA. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):273–8
Interactions of drugs and folate compounds at the cellular level. Branda RF, et al. **Prog Clin Biol Res** 1981;77:773–81
[Suppression of Penicillium purpurogenum growth by organotin compounds] Oshchepkova EP, et al. **Mikrobiologiia** 1981 Sep–Oct;50(5):885–90 (Eng. Abstr.) **(Rus)**

POISONING

Triethyltin intoxication alters acetylcholine release from rat phrenic nerve–hemidiaphragm. Bierkamper GG, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):251–4
Chronic triethyltin exposure reduces the resting membrane potential of rat soleus muscle. Millington WR, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):255–7
[Heavy metal nephropathy induced by tributyltin oxide (author's transl)] Mori Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan;23(1):89–98 (Eng. Abstr.) **(Jpn)**

TOXICITY

Pathogenesis of trimethyltin neuronal toxicity. Ultrastructural and cytochemical observations. Bouldin TW, et al. **Am J Pathol** 1981 Sep;104(3):237–49
Trimethyltin toxicity to larval Uca pugilator: effects of temperature and salinity. Wright DA, et al. **Arch Environ Contam Toxicol** 1982;11(4):491–5
Sublethal responses of the tadpoles of the European frog Rana temporaria to two tributyltin compounds. Laughlin R, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):494–9
Brain damage due to trimethyltin compounds [letter] Aldridge WN, et al. **Lancet** 1981 Sep 26;2(8248):692–3
Neurotoxicology of the alkyltins. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):125–278
Neuropathology of mouse hippocampus in acute trimethyltin intoxication. Chang LW, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):149–56
Effects of triethyltin on schedule dependent and schedule induced behaviors under different schedules of reinforcement. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):231–9
Effects of triethyltin on ingestive behavior at ad lib, reduced, and recovered body weight. DeHaven DL, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):217–23
The trimethyltin syndrome in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):127–33
Visual system dysfunction following acute trimethyltin exposure in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):191–5
Triethyltin: ambient temperature alters visual system toxicity. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr; 4(2):267–71
Increased seizure susceptibility following trimethyltin administration in rats. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):203–8
Trimethyltin–induced changes in gross morphology of the hippocampus. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):141–7
Acute triethyltin exposure: effects on the visual evoked potential and hippocampal afterdischarge. Dyer RS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):259–66
Somatosensory dysfunction following acute trimethyltin exposure. Howell WE, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):197–201
Studies on the flavor aversions induced by trialkyltin compounds. MacPhail RC. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):225–30
Chronic neonatal organotin exposure alters radial–arm maze performance in adult rats. Miller DB, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):185–90
Developmental and behavioral effects of early postnatal exposure to triethyltin in rats. Reiter LW, et al. **Neurobehav Toxicol Teratol** 1981 Fall;3(3):285–93
Trimethyltin–induced hyperactivity: time course and pattern. Ruppert PH, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):135–9
Imparied maze performance in the rat caused by trimethyltin treatment: problem–solving deficits and perseveration. Swartzwelder HS, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):169–76
The behavioral toxicity of a tributyltin ester in the rat. Walsh JM, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr; 4(2):241–6
Trimethyltin impairs retention of a passive avoidance task. Walsh TJ, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr; 4(2):163–7
Trimethyltin, a selective limbic system neurotoxicant, impairs radial–arm maze performance. Walsh TJ, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):177–83
Behavioral toxicology of acute trimethyltin exposure in the mouse. Wenger GR, et al. **Neurobehav Toxicol Teratol** 1982 Mar–Apr;4(2):157–61
Neonatal triethyltin exposure alters adult electrophysiology in rats. Dyer RS, et al. **Neurotoxicology (Park Forest Il)** 1981 Dec;2(4):609–23
The effects of postpartum exposure to triethyl tin on the neurobehavioral functioning of rats. Harry GJ, et al. **Neurotoxicology (Park Forest Il)** 1981 Oct;2(2):283–96
Activity changes in rats following acute trimethyltin exposure. Swartzwelder HS, et al. **Neurotoxicology (Park Forest Il)** 1981 Nov;2(3):589–93

TRIAMCINOLONE

ADMINISTRATION & DOSAGE

[Idiopathic membranous glomerulonephritis (author's transl)] Knotková V, et al. **Cas Lek Cesk** 1980 Oct 17; 119(42):1121–9 (Eng. Abstr.) **(Cze)**

ADVERSE EFFECTS

[A case of multiple malformations in a newborn female infant whose mother was treated with steroids] Murialdo P, et al. **Minerva Pediatr** 1982 Feb 28;34(4):189–92 (Eng. Abstr.) **(Ita)**

ANALOGS & DERIVATIVES

The effect of glucocorticoid treatment on denervated rat hemidiaphragm. Drakontides AB. **Brain Res** 1982 May 6; 239(1):175–89
Treatment of psoriasis with amcinonide 0.1 percent and fluocinonide 0.05 percent ointments. A comparative double–blind study. Engel MF. **Cutis** 1982 Jun;29(6):646–50

A controlled comparison of amcinonide cream 0.1 percent and halcinonide cream 0.1 percent in the treatment of eczematous dermatitis. Guenther L, et al. **Cutis** 1981 Oct; 28(4):461–2, 464, 467

[High pressure liquid chromatography of various triamcinolone derivatives] Muck S, et al. **Boll Chim Farm** 1981 Apr;120(4):240–7 (Eng. Abstr.) **(Ita)**

[Corticoid therapy of allergic rhinitis] Zawisza E, et al. **Pneumonol Pol** 1981 Aug–Sep;49(8–9):649–53 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Some effects of triamcinolone pretreatment on intravenous glucose tolerance test in patients with different thyroid function. Zamrazil V, et al. **Endokrinologie** 1981 Oct; 78(1):73–83

PHARMACODYNAMICS

Glucocorticoid-mediated selective reduction of functioning collagen messenger ribonucleic acid. Rokowski RJ, et al. **Arch Biochem Biophys** 1981 Aug;210(1):74–81

Effects of adrenocorticoids on impeded and unimpeded eruption rates and on the mechanical properties of the periodontium in the rat mandibular incisor. Chiba M, et al. **Arch Oral Biol** 1981;26(7):577–83

Hormonal regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase and alkaline phosphatase in cultured intestinal mucosa. Stange EF, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):202–6

Inhibition of ultraviolet-B epidermal ornithine decarboxylase induction and skin carcinogenesis in hairless mice by topical indomethacin and triamcinolone acetonide. Lowe NJ, et al. **Cancer Res** 1982 Oct;42(10):3941–3

Inhibition of collagen accumulation by glucocorticoids in rat lung after intratracheal bleomycin instillation. Sterling KM Jr, et al. **Cancer Res** 1982 Feb;42(2):405–8

Age-related differences in the response of hepatic microsomal glucose-6-phosphatase to triiodothyronine and triamcinolone in the rat. Dobrosielski-Vergona K, et al. **Endocrinology** 1982 Sep;111(3):953–8

Effect of age on myofibrillar protease activity and muscle binding of glucocorticoid hormones in the rat. Mayer M, et al. **Mech Ageing Dev** 1981 Sep;17(1):1–10

[Effect of glucocorticoids on the fractional composition and derivatives of hemoglobin in rats] Nezhentsev MV, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):569–71 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Article is unprofessional [letter] Nesbitt GH, et al. **VM SAC** 1981 Sep;76(9):1248

TRIAMCINOLONE ACETONIDE

ADMINISTRATION & DOSAGE

Treatment of cubital tunnel syndrome by means of local administration of corticosteroids. I. Short-term follow-up. Pechan J, et al. **Acta Univ Carol [Med] (Praha)** 1980; 26(3–4):125–33

Treatment of cubital tunnel syndrome by means of local administration of cortisonoids. II. Long-term follow-up. Pechan J, et al. **Acta Univ Carol [Med] (Praha)** 1980; 26(3–4):135–40

Cutaneous calcinosis of scleroderma. Successful treatment with intralesional adrenal steroids. Hazen PG, et al. **Arch Dermatol** 1982 May;118(5):366–7

Intra-articular steroids in the treatment of rotator cuff tear: reappraisal by arthrography. Weiss JJ. **Arch Phys Med Rehabil** 1981 Nov;62(11):555–7

A comparison of spring and CO2- powered needleless injectors in the treatment of keloids with triamcinolone. Berry RB. **Br J Plast Surg** 1981 Oct;34(4):458–61

Efficacy and safety of triamcinolone acetonide aerosol in chronic asthma. Results of a multicenter, short-term controlled and long-term open study. Bernstein IL, et al. **Chest** 1982 Jan;81(1):20–6

Comment on 'intramuscular corticosteroids' [letter] Arnold HL Jr. **J Am Acad Dermatol** 1981 Dec;5(6):710

[Therapy of the side-effects of a contrast medium using triamcinolone acetonide-21-dipotassium phosphate] Fiegel G. **Med Welt** 1982 Jan 29;33(4):142–3 **(Ger)**

[The condition of the visual system in patients treated with excessive doses of Kenalog (author's transl)] Szymański J, et al. **Klin Oczna** 1981 Jun;83(6):297–8 (Eng. Abstr.) **(Pol)**

[Phagocytic activity of the peripheral blood granulocytes in patients treated with triamcinolone acetonide and vitamin C] Chazan R, et al. **Pneumonol Pol** 1981 Aug–Sep; 49(8–9):621–6 (Eng. Abstr.) **(Pol)**

[Effect of long-term corticoid therapy on selected parameters of humoral and cellular immunity in bronchial asthma] Chyrek-Borowska S, et al. **Pneumonol Pol** 1981 Aug–Sep; 49(8–9):559–63 (Eng. Abstr.) **(Pol)**

[Effect of long-term triamcinolone acetonide treatment on the neuromuscular system] Pomorska R, et al. **Pneumonol Pol** 1981 Aug–Sep;49(8–9):627–31 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Finger tendon rupture following local application of triamcinolone-acetonide (Kenalog A-40). Jakubik J. **Acta Chir Plast (Prague)** 1981;23(3):180–8

Toxicity of triamcinolone acetonide [letter] Ophir A. **Am J Ophthalmol** 1981 Oct;92(4):587–8

Latrogenic Cushing's syndrome after intrapericardial corticosteroid therapy. Grubb SR, et al. **Ann Intern Med** 1981 Dec;95(6):706–7

Linear hypopigmentation after digital intra-articular injection of corticosteroid [letter] Goldman L, et al. **Arch Dermatol** 1981 Oct;117(10):605

Atopic cataracts versus steroid cataracts. Castrow FF 2d. **J Am Acad Dermatol** 1981 Jul;5(1):64–6

Intramuscular corticosteroids: A second point view. Storrs FJ. **J Am Acad Dermatol** 1981 Nov;5(5):600–2, 604–6

[Rupture of the finger tendons after administration of triamcinolone acetonide (Kenalog A-40)] Jakubik J. **Rozhl Chir** 1981 Dec;60(12):805–11 (Eng. Abstr.) **(Cze)**

[Edemas following longer administration of corticosteroids? (letter)] Kaiser H. **Dtsch Med Wochenschr** 1981 Sep 11; 106(37):1192–3 **(Ger)**

[Hemorrhagic thrombocythemia during treatment of asthma with triamcinolone acetonide] Szczeklik A, et al. **Pol Tyg Lek** 1981 Jun 1;36(22):801–3 (Eng. Abstr.) **(Pol)**

ANALOGS & DERIVATIVES

Some further effects of prednisolone and triamcinolone hexacetonide on experimental arthritis in rabbits. Hunneyball IM. **Agents Actions** 1981 Nov;11(5):490–8

Corticosteroid-induced cleft lip in mice: a teratologic, topographic, and histologic investigation. Melnick M, et al. **Am J Med Genet** 1981;10(4):333–50

Changes in gastric parietal cells during prolonged intermittent corticosteroid treatment. Munichor M, et al. **Experientia** 1981 Jul 15;37(7):783–5

Liver growth retardation in corticosteroid-treated neonatal mice. Weiss A, et al. **Growth** 1981 Autumn;45(3):216–31

Effect of prenatal hypercorticoidism on the neonatal growth of the mouse mandibular ramus. Levitan S, et al. **Isr J Dent Med** 1981 Sep;29(1–2):13–23

[Pituitary adrenal axis activity during topical treatment with 0,075 g% triamcinolone benetonide cream (author's transl)] Meynadier J, et al. **Dermatologica** 1982 May;164(5):327–30 **(Fre)**

ANALYSIS

GLC analysis of hydrocortisone, triamcinolone acetonide, and desonide in culture media of mouse and human dermal fibroblasts using flame-ionization detection. Au DS, et al. **J Pharm Sci** 1981 Aug;70(8):917–23

METABOLISM

The clearance of intravitreal triamcinolone acetonide. Schindler RH, et al. **Am J Ophthalmol** 1982 Apr; 93(4):415–7

Regulation of nuclear uptake of 'activated' receptor-glucocorticoid complex by pyrophosphate. Horiuchi M, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):146–51

Glucocorticoid binding in the hen oviduct. Moudgil VK, et al. **Biochem J** 1981 Jul 15;198(1):91–9

In vitro biotransformation of glucocorticoids in liver and skin homogenate fraction from man, rat and hairless mouse. Andersson P, et al. **J Steroid Biochem** 1982 Jun; 16(6):787–95

Dependence of rate constants of the glucocorticoid hormone-receptor interaction on steroid structure. Arányi P. **J Steroid Biochem** 1982 Aug;17(2):137–41

[Effect of steroid hormones on DNA matrix activity and glucocorticoid-receptor interaction] Golikov PP, et al. **Probl Endokrinol (Mosk)** 1981 May–Jun;27(3):52–6 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Adrenocortical suppression in the dog given a single intramuscular dose of prednisone or triamcinolone acetonide. Kemppainen RJ, et al. **Am J Vet Res** 1982 Feb; 43(2):204–6

0.1% triamcinolone acetonide ointment and patch test responses. Clark RA, et al. **Arch Dermatol** 1982 Mar; 118(3):163–5

Metastasis and the reticuloendothelial system. II. Effect of triamcinolone acetonide on organ retention of malignant cells in endotoxin-treated mice. Glaves D, et al. **Int J Cancer** 1981;27(4):475–9

The effect of triamcinolone acetonide on the phagocytosis by human polymorphonuclear leukocytes. Droszcz W, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jul;20(7):306–8

THERAPEUTIC USE

The effect of the local corticosteroids on the healing and biomechanical properties of the partially injured tendon. Kapetanos G. **Clin Orthop** 1982 Mar;(163):170–9

Non-surgical treatment of chalazion. Khanna KK, et al. **Indian J Ophthalmol** 1981 Jul;29(2):83–5

Triamcinolone acetonide spray (reformulated) in the treatment of topical steroid-responsive dermatoses. Goldner R. **Int J Dermatol** 1981 Dec;20(10):659–61

Efficacy and safety of aerosolized triamcinolone acetonide in steroid-dependent and steroid-independent chronic asthmatic patients. Olivier N. **J Asthma** 1982;19(1):9–19

Triamcinolone hexacetonide in the treatment of therapy-refractory gonitis. Jalava S, et al. **J Int Med Res** 1982;10(1):53–8

Radiographic changes in unicameral bone cysts following direct injection of steroids: a report on 14 cases. Fernbach SK, et al. **Radiology** 1981 Sep;140(3):689–95

[A topical combination of triamcinolone acetonide 0.1% + econazole nitrate 1% in cream, ointment and fatty ointment. A multicentre study on eczema] Schwarz KJ, et al. **Praxis** 1982 Apr 6;71(14):606–11 (Eng. Abstr.) **(Ger)**

[Dithranol-urea treatment of chronic psoriasis. A comparison of 0,1% dithranol + 17% urea with triamcinolone acetonite 0,1% and phototherapy (author's transl)] Ernst TM. **Z Hautkr** 1981 Sep 15;56(18):1197–206 (Eng. Abstr.) **(Ger)**

[Treatment of eczema in general practice. Combination therapy with econazole nitrate and triamcinolone acetonide] Luderschmidt C, et al. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1929–34 **(Ger)**

[Further experience in the therapy of juvenile osseous cyst using triamcinolone acetonide] Croce F, et al. **Arch Putti Chir Organi Mov** 1981;31:17–25 **(Ita)**

[Evaluation of the behavior of intravascular granulocyte pools in bronchial asthma patients treated with Kenalog] Kruszewski J, et al. **Pneumonol Pol** 1981 Nov;49(11):763–8 (Eng. Abstr.) **(Pol)**

[Comparison of the clinical effects to the kinetics of prostaglandin (PGF2 alpha), cAMP, cortisol and ACTH behavior in the plasma of bronchial asthma patients treated with triamcinolone acetonide] Wąsek Z, et al. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):373–81 (Eng. Abstr.) **(Pol)**

TRIAMTERENE

ADMINISTRATION & DOSAGE

Effect of various vehicles and vehicle volumes on oral absorption of triamterene in rats. Patton TF, et al. **J Pharm Sci** 1981 Oct;70(10):1131–4

[Long-term antihypertensive treatment with prazosin in combination with a diuretic] Okun R, et al. **Cardiology** 1980;66 Suppl 2:111–7 **(Spa)**

ADVERSE EFFECTS

Reversible acute renal failure from combined triamterene and indomethacin: a study in healthy subjects. Favre L, et al. **Ann Intern Med** 1982 Mar;96(3):317–20

Nephrogenic diabetes insipidus associated with Dyazide (triamterene-hydrochlorothiazide). Macleod MD, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1155–6

Triamterene urolithiasis: solubility, pk, effect on crystal formation, and matrix binding of triamterene and its metabolites. Werness PG, et al. **J Lab Clin Med** 1982 Feb; 99(2):254–62

Triamterene and renal stones. Jick H, et al. **J Urol** 1982 Feb; 127(2):224–5

Triamterene-induced acute interstitial nephritis [letter] Bailey RR, et al. **Lancet** 1982 Jan 23;1(8265):226

Drug-induced renal failure [letter] Mathias PF. **Mayo Clin Proc** 1982 Jul;57(7):463

[Pancytopenia induced by triamterene: 4 cases (letter] Buffet C, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1197–8 **(Fre)**

[Triamterene induced nephrolithiasis (author's transl)] Lucas C, et al. **J Urol (Paris)** 1982;88(1):37–42 (74 ref.) (Eng. Abstr.) **(Fre)**

[Drug induced nephrolithiasis: observation of an oxalate and hydroxylated triamterene stone (author's transl)] Baudin S, et al. **Nephrologie** 1980;1(4):183–5 (Eng. Abstr.) **(Fre)**

[Severe hyperkalemia induced by the combination of Cycloteriam and Bouillet dietetic salt (letter)] Desoutter P, et al. **Therapie** 1982 Mar–Apr;37(2):219–21 **(Fre)**

[Acute kidney failure caused by triamterene and hydrochlorothiazide (letter)] Heitmann D, et al. **Dtsch Med Wochenschr** 1982 May 28;107(21):836 **(Ger)**

ANALOGS & DERIVATIVES

High-performance liquid chromatographic analysis of triamterene and p-hydroxytriamterene in plasma. Yakatan GJ, et al. **J Pharm Sci** 1981 Aug;70(8):949–51

ANALYSIS

Triamterene stone: advantage of crystallographic analysis. Watson RA, et al. **Urology** 1981 Sep;18(3):238–40

BLOOD

High-performance liquid chromatographic analysis of triamterene and p-hydroxytriamterene in plasma. Yakatan GJ, et al. **J Pharm Sci** 1981 Aug;70(8):949–51

PHARMACODYNAMICS

The positive inotropic action of triamterene in isolated heart tissues. Its interaction with beta-adrenergic agonists and electrophysiological investigations. Borchard U, et al. **Arzneimittelforsch** 1981;31(10):1688–93

Antifolate effect of triamterene on human leucocytes and on a human lymphoma cell line. Schalhorn A, et al. **Eur J Clin Pharmacol** 1981;20(3):219–24

Effects of tienilic acid used alone and in association with triamterene or amiloride on urinary excretion of electrolytes. Ambrosioni E, et al. **Int J Clin Pharmacol Ther Toxicol** 198' Oct;19(10):445–9

Fluctuation analysis of short-circuit current in a warm-blooded sodium-retaining epithelium: site current, density, and interaction with triamterene. Christensen O, et al. **J Membr Biol** 1982;65(1–2):19–30

Triamterene and renal stone formation. White DJ, et al. **J Urol** 1982 Mar;127(3):593–7

Effects of triamterene and its phase I and phase II metabolities on sodium transport of the isolated frog skin. Kramer HJ, et al. **Pharmacology** 1981;23(3):149–55

POISONING

Nephrotic changes in the rat induced by overdosage of triamterene. Ožegović B, et al. **Arzneimittelforsch** 1981; 31(8):1257–60

THERAPEUTIC USE

Relative potency of spironolactone, triamterene and potassium chloride in thiazide-induced hypokalaemia. Jackson PR, et al. **Br J Clin Pharmacol** 1982 Aug; 14(2):257–63

[Patient compliance in controlled drug trials] Bonn R, et al. **Med Welt** 1982 Jun 11;33(23):861–2 **(Ger)**

[Ambulant treatment of hypertension with cardiotensin (author's transl)] Diehm C, et al. **MMW** 1981 Sep 25; 123(39):1458–62 (Eng. Abstr.) **(Ger)**

[The treatment of ambulant hypertensive patients with a combination of a saluretic and a beta-receptor blocker (author's transl)] Schlesinger P, et al. **MMW** 1981 Oct 16; 123(42):1589–92 **(Ger)**

[Treatment of hypertension with a drug combination, consisting of bemetizide, triamterene, dihydralazine and bupranolol (author's transl)] Gasser RW, et al. **Wien Klin Wochenschr** 1982 Jan 8;94(1):25–8 (Eng. Abstr.) **(Ger)**

TRIANISOESTROL see **CHLOROTRIANISENE**

TRIATOMA see under **TRIATOMIDAE**

TRIATOMIDAE

Field trial of permethrin for the control of Triatoma infestans. Pinchin R, et al. **Bull Pan Am Health Organ** 1981; 15(4):370–6

Skin reactions to bug bites as a result of xenodiagnosis. Costa CH, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):405–8

Comparison of techniques for detection of domestic infestations with Triatoma infestans in Brazil. Pinchin R, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):691–4

[A Reduvius personatus (L) sting in Belgium (Hemiptera Hete-optera Reduviidae)] Leclercq M, et al. **Rev Med Liege** 1982 Feb 1;37(3):86–8 **(Fre)**

[Trials on systemic insecticides for animals using dogs and triatominae] Aragão MB, et al. **Rev Saude Publica** 1981 Apr;15(2):236–41 (Eng. Abstr.) **(Por)**

[Feeding habits, natural infection and distribution of domiciliary Triatomidae in the northeast region of Brazil] Forattini OP, et al. **Rev Saude Publica** 1981 Apr; 15(2):113–64 (Eng. Abstr.) **(Por)**

ANALYSIS

Isolation and characterization of the haemolymph lipoproteins of Triatoma infestans. Fichera LE, et al. **Comp Biochem Physiol [B]** 1982;72(1):71–5

ANATOMY & HISTOLOGY

[Triatoma flavida (Hemiptera: Reduviidae). I. Biometric study of larvae] Jiménez Ozete H, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):195–200 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

[Morphological aspects of Triatominae eggs. II – Macroscopic and exochorial characteristics of 10 species of the genus Rhodnius Stal, 1859 (Hemiptera – Reduviidae)] Barata JM. **Rev Saude Publica** 1981 Oct;15(5):490–542 (Eng. Abstr.) **(Por)**

CYTOLOGY

Development of nurse cell–oocyte interactions in the insect telotrophic ovary (Rhodnius prolixus). Lutz DA, et al. **Tissue Cell** 1981;13(2):321–35

DRUG EFFECTS

The effects of precocene II on reproduction and development of triatomine bugs (Reduviidae: Triatominae). Tarrant C, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):416–20

Diphosphoglycerate and phytic acid as feeding stimulants for the blood-feeding bug Rhodnius prolixus. Smith JJ, et al. **Comp Biochem Physiol [A]** 1982;72(1):133–6

5-hydroxytryptamine-stimulated mitochondrial movement and microvillar growth in the lower malpighian tubule of the insect, Rhodnius prolixus. Bradley TJ, et al. **J Cell Sci** 1981 Jun;49:139–61

[Action of development inhibitors on Aedes aegypti L. mosquitoes and Rhodnius prolixus Stal. bugs. IV. The activity of precocenes] Pridantseva EA, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):46–51 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Biological aspects and large scale cultivation of Dipetalogaster maximus (Uhler, 1894) (Triatominae)] Barretto AC, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jan–Feb;23(1):18–27 (Eng. Abstr.) **(Por)**

[Biology of Triatoma flavida neiva, 1911 in Cuba] Jiménez Ozete H. **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):42–50 (Eng. Abstr.) **(Spa)**

METABOLISM

[Biochemistry of the life cycle of Triatoma infestans (vinchuca). 1. Lipids and fatty acids composition] Tierno MA, et al. **Acta Physiol Lat Am** 1978;28(1):41–52 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Triatoma infestans as a vector of hepatitis B virus] Cohen J, et al. **Acta Gastroenterol Latinoam** 1981;11(1):215–23 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Growth and development of two Trypanosoma cruzi clones in the arthropod Dipetalogaster maximus. Garcia ES, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):259–62

Studies by electron microscopy of the giant forms of some African and South American trypanosomes found other than within their mammalian host. Ellis DS, et al. **Folia Parasitol (Praha)** 1982;29(1):5–11

[Wild reservoirs and vectors of Trypanosoma cruzi. LXXVII: Observations on the ecology of the Triatoma arthurneivai Lent and Martins, 1940] Barretto MP, et al. **Rev Bras Biol** 1981 May;41(2):317–20 (Eng. Abstr.) **(Por)**

[Forms of Trypanosoma cruzi in feces of Triatomidae inoculated in the celomic cavity] Belda Neto FM, et al. **Rev Bras Biol** 1981 Aug;41(3):615–7 (Eng. Abstr.) **(Por)**

[Extra-intestinal cycle of Trypanosoma cruzi in species of the genus Panstrongylus, Rhodnius and Triatoma] Lacombe D. **Rev Bras Biol** 1981 Aug;41(3):521–8 **(Por)**

[Biological and ecological factors in the epidemiology of Chagas' disease in Chile (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):42–54 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Effects of ecdysone on the metamorphosis and ecdysis prevention induced by precocene II in Rhodnius prolixus. Azambuja PD, et al. **Gen Comp Endocrinol** 1981 Sep; 45(1):100–4

The biology and behavior of Triatoma barberi (Hemiptera: Reduviidae) in Mexico. II. Influence of a single versus a double feeding on the time that blood meal antigens remain serologically detectable. Zárate LG, et al. **J Med Entomol** 1981 Apr;18(2):99–106

Field experiments of dispersive flight by Triatoma infestans. Lehane MJ, et al. **Trans R Soc Trop Med Hyg** 1981; 75(3):399–400

TRIATOMINAE see **TRIATOMIDAE**

TRIAZENES

Influence of serum albumins on decomposition rates of para-substituted 1-phenyl-3-methyltriazenes and 5-(3-methyl-1-triazeno)imidazole-4-carboxamide in near physiological conditions. Delben F, et al. **J Pharm Sci** 1981 Aug;70(8):892–7

CHEMICAL SYNTHESIS

Studies on new vasodilators, WS-1228 A and B. I. Discovery, taxonomy, isolation and characterization. Yoshida K, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):151–6

1-Aryl-3,3-dialkyltriazenes with antitrypanosomal activity. Dunn WJ 3d, et al. **J Pharm Sci** 1982 Jan;71(1):126–7

ISOLATION & PURIFICATION

Studies on new vasodilators, WS-1228 A and B. II. Structure and synthesis. Tanaka H, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):157–63

METABOLISM

Metabolic activation of triazene cytostatics. Kolar GF, et al. **Adv Exp Med Biol** 1981;136 Pt B:1285–96

Studies of the mode of action of antitumour triazenes and triazines--IV. The metabolism of 1-(4-acetylphenyl)-3,3-dimethyltriazene. Farina P, et al. **Biochem Pharmacol** 1982 May 15;31(10):1887–92

Mechanism of action of antitumor 3-(2-haloethyl) aryltriazenes on deoxyribonucleic acid. Lown JW, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1257–66

Triazene metabolism. I. The effect of substituents in the aryl group on the kinetics of enzyme-catalysed N-demethylation of 1-aryl-3,3-dimethyltriazenes. Godin JR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1234–8

PHARMACODYNAMICS

Modulation of the acceptance of transfer ribonucleic acids for amino acids by alkylaryltriazenes and imidazoles. Stiborová M, et al. **Biochem Pharmacol** 1981 Oct 1; 30(19):2679–84

Triazene metabolism. II. Transportability and enzyme inhibitory characteristics of metabolites of antitumor dimethyltriazenes. Godin JR, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1239–44

Potential anticancer agents. XXII. Pharmacological properties of some new triazene derivatives. Ionescu D, et al. **Neoplasma** 1981;28(1):19–26

THERAPEUTIC USE

Prophylactic antimetastatic treatment with aryldimethyltriazenes as adjuvants to surgical tumor removal in mice bearing Lewis lung carcinoma. Sava G, et al. **Cancer Treat Rep** 1982 Jan;66(1):115–20

TOXICITY

Mutagenic and alkylating activities of 3-methyl-1-phenyltriazenes and their possible role as carcinogenic metabolites of the parent dimethyl compounds. Malaveille C, et al. **Cancer Res** 1982 Apr; 42(4):1446–53

TRIAZINES

The purification of SP1-beta (pregnancy-specific beta 1-glycoprotein) using immobilized triazine dyes. McFarthing KG, et al. **Anal Biochem** 1982 May 1; 122(1):186–93

Crystal structure of avian dihydrofolate reductase containing phenyltriazine and NADPH. Volz KW, et al. **J Biol Chem** 1982 Mar 10;257(5):2528–36

Preparation of homogeneous alkaline phosphatase from calf intestine by dye-ligand chromatography. Kirchberger J, et al. **Prep Biochem** 1982;12(1):29–47

ADMINISTRATION & DOSAGE

Phase II study of Baker's antifol (triazinate, TZT, NSC-139,105) in advanced squamous cell carcinoma of cervix. Arseneau JC, et al. **Am J Clin Oncol** 1982 Feb; 5(1):61–4

Hexamethylmelamine and prednisone in the treatment of refractory multiple myeloma. Cohen HJ, et al. **Am J Clin Oncol** 1982 Feb;5(1):21–7

Sustained-release implants in the chemotherapy of experimental rodent malaria II. The effects of sulphadiazine, pyrimethamine and cycloguanil in biodegradable polymer matrices. Judge BM, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):511–9

Parenteral formulation of hexamethylmelamine potentially suitable for use in man. Ames MM, et al. **Cancer Treat Rep** 1982 Jul;66(7):1579–81

Hexamethylmelamine-CAF (cyclophosphamide, methotrexate, and 5-FU) and cisplatin-CAF in refractory ovarian cancer. Sessa C, et al. **Cancer Treat Rep** 1982 May; 66(5):1233–4

Hexamethylmelamine and cisplatin in advanced ovarian cancer after failure of alkylating-agent therapy. Vogl SE, et al. **Cancer Treat Rep** 1982 Jun;66(6):1285–90

ADVERSE EFFECTS

Hypoglycaemia induced by azapropazone-tolbutamide interaction [letter] Andreasen PB, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):581–3

Interaction of azapropazone with phenytoin. Geaney DP, et al. **Br Med J [Clin Res]** 1982 May 8;284(6326):1373

Anticonvulsant intoxication precipitated by azapropazone. Roberts CJ, et al. **Postgrad Med J** 1981 Mar;57(665):191–2

[The effect of inhalation exposure to phenolformaldehyde and melamine bitumens on HDL cholesterol levels in humans (author's transl)] Turay J, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):729–32 (Eng. Abstr.) **(Slo)**

ANALYSIS

Impact of hexazinone on invertebrates after application to forested watersheds. Mayack DT, et al. **Arch Environ Contam Toxicol** 1982;11(2):209–17

High performance liquid chromatographic determination of cyanuric acid in human urine and pool water. Briggle TV, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1222–6

Degradation of terbutryn in sediments and water under various redox conditions. Muir DC, et al. **J Environ Sci Health [B]** 1982;17(4):363–80

Hexamethylmelamine and hexamethylmelamine hydrochloride. van de Vaart-van Zutphen HP, et al. **Pharm Weekbl [Sci]** 1982 Apr 23;4(2):25–31 (25 ref.)

BLOOD

Characterization of an important drug binding area on human serum albumin including the high-affinity binding sites of warfarin and azapropazone. Fehske KJ, et al. **Mol Pharmacol** 1982 Mar;21(2):387–93

The binding of s-triazine metabolites to rodent hemoglobins appears irrelevant to other species. Hamboeck H, et al. **Mol Pharmacol** 1981 Nov;20(3):579–84

Specific determination of pentamethylmelamine and its demethylated metabolites in human plasma by high pressure liquid chromatography. Leyland-Jones BR, et al. **Ther Drug Monit** 1982;4(2):185–90

CHEMICAL SYNTHESIS

Synthesis and enzymic activity of various substituted pyrazolo[1,5-a]-1,3,5-triazines as adenosine cyclic 3',5'-phosphate phosphodiesterase inhibitors. Senga K, et al. **J Med Chem** 1982 Mar;25(3):243–9

[Analgesic, anti-inflammatory and toxic effects of 3-substituted benzo-1,2,4-triazines] Metzner J, et al. **Pharmazie** 1981 Oct;36(10):714 **(Ger)**

[Biological effects of 3-substituted acetic acid derivatives of 1,2,4-benzotriazines] Schumann S, et al. **Pharmazie** 1982 Feb;37(2):148–9 **(Ger)**

[Derivatives of diamino-1,3,5-triazine. I. Synthesis of some derivatives of 2-amino-4-(5-ethyl-4-methyl-2-pyrazoline)-1,3,5-triazin with potential hypoglycemic effect] Brzozowski Z, et al. **Acta Pol Pharm** 1980;37(6):601-5 (Eng. Abstr.) **(Pol)**

[Derivatives of diamino-1,3,5-triazine. II. Synthesis of some derivative of 2-amino-4-(5-ethyl-4-methyl-2-pyrazoline)-1,3,5-triazin with potential hypoglycemic effect] Brzozowski Z, et al. **Acta Pol Pharm** 1980;37(6):607-13 (Eng. Abstr.) **(Pol)**

[Diamino-1,3,5-triazine derivatives. III. Synthesis and diuretic properties of various 2,4-diamino-6-(sulfamylphenyl)-1,3,5-triazines] Brzozowski Z, et al. **Acta Pol Pharm** 1981;38(1):1-9 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Tissue ascorbic acid analysis using ferrozine compared with the dinitrophenylhydrazine method. McGown EL, et al. **Anal Biochem** 1982 Jan 1;119(1):55–61

METABOLISM

Studies of the mode of action of antitumour triazenes and triazines–III. Metabolism studies on hexamethylmelamine. Brindley C, et al. **Biochem Pharmacol** 1982 Mar 1; 31(5):625–31

Pharmacokinetics of azapropazone in the elderly. Ritch AE, et al. **Br J Clin Pharmacol** 1982 Jul;14(1):116–9

Dose-dependent pharmacokinetics of PMM in the rat. Colombo T, et al. **Cancer Chemother Pharmacol** 1981; 5(3):201–3

The comparative pharmacokinetics of pentamethylmelamine in man, rat, and mouse. Rutty CJ, et al. **Cancer Chemother Pharmacol** 1982;8(1):105–11

Hexamethylmelamine and pentamethylmelamine tissue distribution in M5076/73A ovarian cancer-bearing mice. Broggini M, et al. **Cancer Treat Rep** 1982 Jan;66(1):127–33

Hexamethylmelamine distribution in patients with ovarian and other pelvic cancers. D'Incalci M, et al. **Cancer Treat Rep** 1982 Feb;66(2):231–5

Absorption and excretion of cyanuric acid in long-distance swimmers. Allen LM, et al. **Drug Metab Rev** 1982; 13(3):499–516

Influence of ascites on the pharmacokinetics of hexamethylmelamine and N-demethylated metabolites in ovarian cancer patients. D'Incalci M, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1331–5

Metabolic activation of hexamethylmelamine and pentamethylmelamine by liver microsomal preparations. Ames MM, et al. **Life Sci** 1981 Oct 12;29(15):1591–8

[Human pharmacokinetics of different i.v. doses of azapropazone (HPLC-determination) (author's transl)] Gikalov I, et al. **Arzneimittelforsch** 1982;32(4):423–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Reduced urine kallikrein excretion and antikaliuresis by chlorazanil in rats. Olsen UB, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep;49(3):210–4

Urate-oxidase in liver of oxonic acid treated mice. Otta ME, et al. **Acta Physiol Lat Am** 1978;28(1):33–9

Bronchodilator and antiallergic properties of LA 2851 (2-4-diamino-7-methyl-pyrazolo (1,5-a) 1,3,5-triazine). Junien JL, et al. **Arch Int Pharmacodyn Ther** 1981 Aug; 252(2):313–26

A quantitative structure-activity relationship study of N-alkylnorketobemidones and triazinones using structural information content. Ray SK, et al. **Arzneimittelforsch** 1982; 32(4):322–5

The interaction of yeast hexokinase with Procion Green H-4G. Clonis YD, et al. **Biochem J** 1981 Jul 1; 197(1):203–11

Modification by simetryn sulphoxide of a specific thiol group in rat haemoglobin. Hughes GJ, et al. **Biochem J** 1981 Oct 1;199(1):61–7

The substituent entropy constant sigma so used in the QSAR investigation of dihydrofolate reductase inhibition by Baker triazines. Kawaki H, et al. **Chem Pharm Bull (Tokyo)** 1982 Feb;30(2):750–1

Comparison of methyl-para-hydroxybenzimidate and 1,3,5-trichlorotriazine in producing sensitive target cells for use in the hemolytic spot assay. Mazzaferro PK, et al. **J Immunol Methods** 1981;46(3):327–36

Comparison of the inhibition of methotrexate-sensitive and -resistant Lactobacillus casei cell cultures with purified Lactobacillus casei dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(3-substituted-p Use of quantitative structure-activity relationships in making inferences about the mechanism of resistance and the structure of the enzyme is situ compared with the enzyme in vitro. Coats EA, et al. **J Med Chem** 1981 Dec; 24(12):1422–9

A comparison of the inhibition of growth of methotrexate-resistant and -sensitive leukemia cells in culture by triazines. Evidence for a new mechanism of cell resistance to methotrexate. Selassie CD, et al. **J Med Chem** 1982 Feb;25(2):157–61

Genetics of cross-resistance between antifolate drugs in Plasmodium yoelii. Knowles G. **J Parasitol** 1982 Feb; 68(1):157–9

Adjuvant polyarthritis. VI. Effect of oxonate-induced hyperuricemia on the development of acute inflammation, immune response and adjuvant arthritis. Chang YH, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):731–4

A comparison of the inhibition of bovine and murine leukemia dihydrofolate reductase by 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(3-X-phenyl)-s Guo ZR, et al. **Mol Pharmacol** 1981 Nov;20(3):649–56

Effect of ammeline on the chick electroretinogram. Ookawa T, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):501–7

Effect of anilazine on growth, respiration and enzyme activity of Escherichia coli. Garg FC, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(6):505–8

[Azapropazone (Prolixan)] Helleberg L. **Ugeskr Laeger** 1981 May 11;143(20):1286–7 **(Dan)**

[Pharmacological studies on alprazolam, and its main metabolites, alpha-OH-alprazolam and HB compound (author's transl)] Abe M, et al. **Igaku Kenkyu** 1980 Oct; 50(7):495–507 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Hexamethylmelamine as a single agent in the treatment of small-cell carcinoma of the lung. Goldsweig HG, et al. **Am J Clin Oncol** 1982 Jun;5(3):267–72

The antimalarial activity of N-benzyl-oxydihydrotriazines. III. The activity of 4,6-diamino-1,2-dihydro-2,2-dimethyl-1-(2,4,5,-trichloro hydrobromide (BRL 51084) and hydrochloride (BRL 6231). Knight DJ, et al. **Ann Trop Med Parasitol** 1982 Feb; 76(1):1–7

The antimalarial activity of N-benzyl-oxydihydrotriazines. IV. The development of resistance to BRL 6231 (4,6-diamino-1,2-dihyydro-2 ,2-dimethyl-1-(2,4,5-trichlo triazine hydrochloride) by Plasmodium berghei. Knight DJ, et al. **Ann Trop Med Parasitol** 1982 Feb;76(1):9–14

Doxorubicin-hexamethylmelamine therapy of small cell carcinoma of the lung. Dara P, et al. **Cancer** 1981 Nov 1;48(9):1944–6

Phase II study of hexamethylmelamine for disseminated prostatic carcinoma. Drelichman A, et al. **Cancer Clin Trials** 1981 Fall;4(3):309–12

Toxicity and anticancer activity of a new triazine antifolate (NSC 127755). Corbett TH, et al. **Cancer Res** 1982 May; 42(5):1707–15

Phase I trial of pentamethylmelamine. Ajani JA, et al. **Cancer Treat Rep** 1982 May;66(5):1227–8

Phase I trial of pentamethylmelamine: a clinical and pharmacologic study. Ihde DC, et al. **Cancer Treat Rep** 1981 Sep-Oct;65(9–10):755–62

Phase II study of hexamethylmelamine in refractory Hodgkin's disease, other lymphomas, and chronic lymphocytic leukemia. Omura GA, et al. **Cancer Treat Rep** 1981 Nov-Dec;65(11–12):1027–9

The role of hexamethylmelamine in advanced ovarian carcinoma treatment. Weiss RB. **Gynecol Oncol** 1981 Oct; 12(2 Pt 1):141–9 (27 ref.)

Experimental chemotherapy of mammalian coccidiosis with Bay g 7183. Haberkorn A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):260–7

[Azapropazone versus indomethacin in a double blind test with patients with ankylosing spondylitis] Sadowska-Wroblewska M, et al. **Z Rheumatol** 1980 Nov-Dec;39(11-12):406–11 (Eng. Abstr.) **(Ger)**

TOXICITY

Glycoprotein metabolism in the guinea-pig gastric mucosa in chronic metribuzin poisoning. Zwierz K, et al. **Acta Biol Acad Sci Hung** 1981;32(1):69–73

Phase I clinical trial with alpha 1,3,5-triglycidyl-s-triazinetrione (NSC-296934). Piccart M, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1263–6

Short-term oral toxicity of a 2,4,6-trinitrotoluene and hexahydro-1,3,5-trinitro-1,3,5-triazine mixture in mice, rats, and dogs. Dilley JV, et al. **J Toxicol Environ Health** 1982 Apr;9(4):587–610

TRIAZOLAM see under **BENZODIAZEPINE TRANQUILIZERS**

TRIAZOLES

Promoting effects of 3-amino-1,2,4-triazole on the development of thyroid tumors in rats treated with N-bis(2-hydroxypropyl)nitrosamine. Hiasa Y, et al. **Carcinogenesis** 1982;3(4):381–4

Measurements of ionization constants and partition coefficients of quanazole prodrugs. Alhaider AA, et al. **J Pharm Sci** 1982 Jan;71(1):89–94

ANALYSIS

Conformational analysis of a new analgesic triazolinethione. Structural comparisons with antipyrine. Hénichart JP, et al. **Mol Pharmacol** 1981 Nov;20(3):598–601

[Hygienic chemical studies on plastics (VIII). Migration test of methyl methacrylate and plastic additives from polymethyl methacrylate (author's transl)] Inoue T, et al. **Eisei Shikenjo Hokoku** 1981;99:144–7 (Eng. Abstr.) **(Jpn)**

BLOOD

Simultaneous determination of triazolo-benzophenone [2',5-dichloro-2-(3-glycylaminomethyl-5-methyl-4H-1,2, and its major blood metabolite, triazolam, in monkey plasma by electron-capture gas--liquid chromatography. Konishi M, et al. **J Chromatogr** 1982 May 14;229(2):355–63

CHEMICAL SYNTHESIS

Synthesis of some new thiosemicarbazides, thiadiazoles, triazoles and their derivatives as potential antiviral agents. Bahadur S, et al. **Arch Pharm (Weinheim)** 1982 Apr; 315(4):312–7

1-Acyltriazoles as antiinflammatory agents. Wade PC, et al. **J Med Chem** 1982 Mar;25(3):331–3

Synthesis and evaluation of guanazole prodrugs as antineoplastic agents. Dias Selassie C, et al. **J Pharm Sci** 1981 Nov;70(11):1281–3

[3-Methylthio-, 3-(amino-substituted)ethylthio-, 3-carboxymethylthio-, 3,3'-(dithiobis)-5-aryl-4H(R)-1,2,4-triazoles and 2-aminomethyl-N-substituted derivatives of 5-aryl-4H(R)-1,2,4-triazolin-3-thione: synthesis and biological activity] Mazzone G, et al. **Farmaco [Sci]** 1981 Dec;36(12):1004–18 (Eng. Abstr.) **(Ita)**

METABOLISM

The products of metabolism of [14C]triadimefon in the grain and in the straw of ripe barley. Rouchaud J, et al. **Bull Environ Contam Toxicol** 1981 Oct;27(4):543–50

Species differences in the disposition and metabolism of 1-methyl-3-(3-pyridyl)-5-(2-hydroxy-methylphenyl)-1H a potential sedative-hypnotic compound. Assandri A, et al. **Xenobiotica** 1982 Jan;12(1):19–30

[Biotransformation of 1H-benzotriazole and 1-alkylbenzotriazoles in vitro] Hoffmann H, et al. **Arch Pharm (Weinheim)** 1982 May;315(5):422–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of goitrogen administration on the circadian rhythm of serum thyroid stimulating hormone in the rat. Stringer B, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):396–401

Autocatalytic inactivation of plant cytochrome P-450 enzymes: selective inactivation of cinnamic acid 4-hydroxylase from Helianthus tuberosus by 1-aminobenzotriazole. Reichhart D, et al. **Arch Biochem Biophys** 1982 Jul;216(2):522–9

General pharmacological properties of dapiprazole, a potential psychotropic agent. Lisciani R, et al. **Arzneimittelforsch** 1982;32(6):674–8

Effects of dapiprazole on pupillary size and intraocular pressure in rabbits. Silvestrini B, et al. **Arzneimittelforsch** 1982;32(6):678–81

Psychopharmacological profile of dapiprazole, a new potential antipsychotic agent. Silvestrini B, et al. **Arzneimittelforsch** 1982;32(6):668–73

Autocatalytic alkylation of the cytochrome P-450 prosthetic haem group by 1-aminobenzotriazole. Isolation of an NN-bridged benzyne-protoporphyrin IX adduct. Ortiz de Montellano PR, et al. **Biochem J** 1981 Jun 1;195(3):761–4

Effect of 3 amino 1,2,4 triazole administration on the early CCl4-induced ultrastructural alterations in rat liver. Bernacchi AS, et al. **Br J Exp Pathol** 1982 Feb;63(1):35–42

A comparison of the cardiovascular and sedative actions of the alpha-adrenoceptor agonists, FLA-136 and clonidine, in the rat. Hamilton TC, et al. **Br J Pharmacol** 1982 Jan; 75(1):13–21

Protection by 3-amino-1,2,4-triazole against the lowered uptake of p-biphenylmethyl-(dl-tropyl-alpha-tropinium) bromide into the hepatic lysosomes of carbon tetrachloride-treated mice. Matsumoto Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3617–23

Pharmacoelectroencephalographic study of brotizolam, a novel hypnotic. Fink M, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):336–42

Fetal uptake and distribution of metallic mercury vapor in the mouse: influence of ethanol and aminotriazole. Khayat A, et al. **Int J Biol Res Pregnancy** 1982;3(1):38–46

Goitrogen-induced thyroid growth in the rat: a quantitative morphometric study. Wynford-Thomas D, et al. **J Endocrinol** 1982 Jul;94(1):131–40

A study of anti-inflammatory and analgesic activities of some newer triazoles. Tandon J, et al.

Pharmacol Res Commun 1982 Apr;14(4):359–68

The effect of 3-amino-1,2,4-triazole on hepatic and renal deiodination of L-thyroxine to 3,5,3'-triiodothyronine. Scammell JG, et al. **Toxicol Appl Pharmacol** 1981 Aug; 60(1):45–51

The effect of clotrimazole and triadimefon on 3-hydroxy-3-methyl-glutaryl-CoA-reductase-[EC 1.1.1.34]-activity in Saccharomyces cerevisiae. Berg D, et al. **Z Naturforsch [C]** 1981 Sep-Oct;36(9-10):798–803

[Effect of amitrol on Claviceps fusiformis, strain SD 58] Schmauder HP, et al. **Z Allg Mikrobiol** 1981;21(9):689–92 (Eng. Abstr.) **(Ger)**

TOXICITY

Inhibition of lipogenesis in isolated hepatocytes by 3-amino-1,2,4-triazole. Beynen AC, et al. **Toxicology** 1981; 22(2):171–8

[Experimental data on the hygienic standards for benzotriazole in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1981 Nov;(11):70–1 **(Rus)**

[Establishment of the MPEL for benzotriazole, an inhibitor of atmospheric metal corrosion, in the air of a work area] Okhota IN. **Gig Tr Prof Zabol** 1981 Aug;(8):43–4 **(Rus)**

TRIBENOSIDE see under **GLYCOSIDES**

TRIBOLIUM

ENZYMOLOGY

Effect of acrylonitrile on trehalase, phosphorylase and acetylcholinesterase activities in Tribolium castaneum Herbst and Trogoderma granarium Everts. Rajendran S, et al. **Experientia** 1981;37(8):886–7

GENETICS

Geographic and genetic variation in death-feigning behavior in the flour beetle, Tribolium castaneum. Prohammer LA, et al. **Behav Genet** 1981 Jul;11(4):395–401

Horned gena, an atavistic sex-linked dominant mutation in Tribolium confusum. Sokoloff A, et al. **J Hered** 1981 May-Jun;72(3):229–31

GROWTH & DEVELOPMENT

Influence of preimaginal constant and alternating temperatures on growth rate and longevity of adults of five genotypes in Tribolium castaneum. Soliman MH, et al. **Mech Ageing Dev** 1982 Jan;18(1):19–31

METABOLISM

In vitro chitin synthesis in an insect: formation and structure of microfibrils. Cohen E. **Eur J Cell Biol** 1982 Feb; 26(2):289–94

PARASITOLOGY

The dynamics of infection of Tribolium confusum by hymenolepis diminuta: the influence of exposure time and host density. Keymer A. **Parasitology** 1982 Feb; 84(1):157–66

RADIATION EFFECTS

Hyperthermic radiosensitization of Tribolium: influence of temperature and duration of heating. Heath MS, et al. **Radiat Res** 1982 Mar;89(3):503–12

TRIBROMOETHANOL

PHARMACODYNAMICS

Effects of halogenated derivatives of ethanol on the nicotine acetylcholine receptor. Sterz R, et al. **Brain Res** 1981 Dec 28;230(1-2):434–8

TRIBUTYRINASE see **LIPASE**

TRIBUZONE see under **PHENYLBUTAZONE**

TRICARBOXYLIC ACID CYCLE see **KREBS CYCLE**

TRICARBOXYLIC ACIDS

ANALYSIS

[Structure of the tricyclic triaminotricarboxylic acid (Y) from the antibiotic actinoidin] Berdnikova TF. **Antibiotiki** 1981 Nov;26(11):816–20 (Eng. Abstr.) **(Rus)**

METABOLISM

Elimination and replenishment of tricarboxylic acid-cycle intermediates in myocardium. Nuutinen EM, et al. **Biochem J** 1981 Mar 15;194(3):867–75

PHARMACODYNAMICS

Evidence for the occurrence of the malate-citrate shuttle in intact Ehrlich ascites tumor cells. Eboli ML, et al. **Biochim Biophys Acta** 1981 Nov 12;638(1):75–9

Lack of chemotactic response to tricarboxylic acids by Escherichia coli carrying a plasmid determining citrate utilization. Ishiguro N, et al. **J Bacteriol** 1981 Oct; 148(1):383–5

Stimulating effect of citrate and cis-Aconitate on the transformation of Trypanosoma brucei bloodstream forms to procyclic forms in vitro. Brun R, et al. **Z Parasitenkd** 1981;66(1):17–24

TRICHINA see **TRICHINELLA**

TRICHINELLA

CLASSIFICATION

Designation and freezing resistance of isolates of Trichinella spiralis from wild carnivores. Chadee K, et al. **J Wildl Dis** 1982 Apr;18(2):169–73

Primary diagnostics of sibling-species of Trichinellae. Boev SN, et al. **Wiad Parazytol** 1981;27(3):483–7

GENETICS

The karyotype of four Trichinella species. Mutafova T, et al. **Z Parasitenkd** 1982;67(1):115–20

GROWTH & DEVELOPMENT

Trichinella spiralis in rats: in vivo effects of the bile and in vitro action of secretory IgA from bile. Jacqueline E, et al. **Ann Parasitol Hum Comp** 1981;56(4):395–400

The reversal of the immunodepression phenomenon in trichinellosis and its effect on the life cycle of the parasite. Faubert GM. **Parasite Immunol** 1982 Jan;4(1):13–20

IMMUNOLOGY

Characterization of an in vitro proliferation response to solubilized Trichinella spiralis antigens: role of la antigens and Ly-1+ T cells. Krco CJ, et al. **Cell Immunol** 1982 Apr;68(2):359–67

The killing of newborn larvae of Trichinella spiralis by eosinophil peroxidase in vitro. Buys J, et al. **Eur J Immunol** 1981 Oct;11(10):843–5

Trichinella spiralis: characterization and strain distribution of rapid expulsion in inbred mice. Bell RG, et al. **Exp Parasitol** 1982 Jun;53(3):301–14

Trichinella spiralis: genetic basis for differential expression of phase-specific intestinal immunity in inbred mice. Bell RG, et al. **Exp Parasitol** 1982 Jun;53(3):315–25

Interaction between an early and late stages of Schistosoma mansoni and Trichinella spiralis infections in mice. Aboul Atta NA, et al. **J Egypt Soc Parasitol** 1981 Dec; 11(2):321–30

Studies on the thymus gland of mice with Schistosoma mansoni, Trichinella spiralis and mixed infections. Michael AI, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):365–71

Antibodies against some parasites of zoonotic importance in rodents caught in Port Said Governorate, A.R.E. Morsy TA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):147–56

Reduced hexose transport by enterocytes associated with rapid, noninjurious rejection of Trichinella spiralis from immune rats. Hessel J, et al. **J Parasitol** 1982 Apr; 68(2):202–7

Partial purification and characterization of protection-inducing antigens from the muscle larva of Trichinella spiralis by molecular sizing chromatography and preparative flatbed isoelectric focusing. Despommier DD. **Parasite Immunol** 1981 Autumn;3(3):261–72

Characterization of surface antigens of Trichinella spiralis infective larvae. Parkhouse RM, et al. **Parasite Immunol** 1981 Winter;3(4):339–52

Specific cross-immunity between Trichinella spiralis and Trichuris muris: immunization with heterologous infections and antigens and transfer of immunity with heterologous immune mesenteric lymph node cells. Lee TD, et al. **Parasitology** 1982 Apr;84(Pt 2):381–9

The role of T lymphocytes in the course of experimental trichinellosis in mice. Influence on anti-theta serum. Karmańska K, et al. **Wiad Parazytol** 1981;27(3):499–508

Studies on the role of T. spiralis eluted antigens in the delayed hypersensitivity reaction in the host. Novoselska L, et al. **Wiad Parazytol** 1981;27(3):489–94

Immunomorphological changes in the lymph nodes and spleen of guinea pigs immunised with T. spiralis antigens. Raitcheff I, et al. **Wiad Parazytol** 1981;27(3):495–8

[Value of serodiagnosis in human trichinosis] Simkunienė B, et al. **Angew Parasitol** 1981 May;22(2):69–71 (Eng. Abstr.) **(Ger)**

[Studies on 'self-cure' in helminthiasis with reference to our personal observations] Karmańska K. **Wiad Parazytol** 1980; 26(6):581–96 (110 ref.) (Eng. Abstr.) **(Pol)**

[Immunological factors in the muscular phase of trichinosis] Karmańska K. **Wiad Parazytol** 1981;27(3):383–98 **(Pol)**

[Detection of circulating antigens in the blood serum of patients with echinococcosis, alveolar hydatid disease and trichinosis] Leikina ES, et al. **Med Parazitol (Mosk)** 1982 Mar-Apr;60(2):7–15 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

[Relationship between the clinical picture of trichinosis, the species or strain of Trichinella and intensity of invasion. II. Experimental studies] Kocięcka W. **Wiad Parazytol** 1981;27(3):443–82 (Eng. Abstr.) **(Pol)**

[Relationship between the clinical picture of trichinosis, the species or strain of Trichinella and the intensity of invasion. I. Clinical studies] Kocięcka W. **Wiad Parazytol** 1981; 27(3):399–442 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Chemical attraction in the absence of worm-mediated tactile behavior in Trichinella spiralis. Belosevic M, et al. **J Parasitol** 1981 Oct;67(5):692–6

Biological characteristics and host influence on a geographical isolate of Trichinella (wolverine: 55 degrees 00'N, 100 degrees 00'W, 1979). Chadee KC, et al. **J Parasitol** 1982 Jun;68(3):451–6

The effects of host sex on enteric response to infection with Trichinella spiralis. Charniga L, et al. **J Parasitol** 1981 Dec; 67(6):917–22

A comparative study of Trichinella spiralis (Owen, 1835) and Trichinella pseudospiralis (Garkavi, 1972). Kramar M, et al. **J Parasitol** 1981 Dec;67(6):911–6

Lack of effect of host age on the distribution of Trichinella spiralis within the small intestine of laboratory mice. McCracken RO. **J Parasitol** 1982 Feb;68(1):159–62

[Growth and fertility of Trichinella spiralis developed from larvae treated with Noviben and Panacur in vivo] Piotrowski R, et al. **Wiad Parazytol** 1981;27(3):517–20 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Comparative electron microscopic and cytochemical studies on the cuticle and the hypodermis of Trichinella nativa (Britov et Boev, 1972) and T. pseudospiralis (Garkavi, 1972). Hulinská D, et al. **Folia Parasitol (Praha)** 1982; 29(2):159–65

The ultrastructure of the reproductive system, and the oogenesis of two day-old, fertilized females of Trichinella spiralis and T. nativa. Hulinská D, et al. **Folia Parasitol (Praha)** 1982;29(1):39–44

Comparative analysis of mobility and ultrastructure of intramuscular larvae of Trichinella spiralis and Trichinella pseudospiralis. Al Karmi TO, et al. **J Parasitol** 1981 Oct; 67(5):685–91

TRICHINELLIASIS see **TRICHINOSIS**

TRICHINELLOIDEA see **TRICHUROIDEA**

TRICHINOSIS

Fatal CNS trichinosis. Gay T, et al. **JAMA** 1982 Feb 19; 247(7):1024–5

Proceedings of the International Commission on Trichinellosis No. XVI. 1981. **Wiad Parazytol** 1981; 27(3):373–545 **(Eng, Mul)**

BLOOD

Haematological changes evoked by Trichinella spiralis as an index of the course of trichinellosis in germfree and conventional mice. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1-2):87–93

[Immunomodulating action of levamisol preparation in the treatment of trichinellosis (author's transl)] Szadkowska D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):273–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Trichinosis associated with superior sagittal sinus thrombosis [letter] Evans RW, et al. **Ann Neurol** 1982 Feb;11(2):216–7

Osteolysis in Trichinella spiralis infected vs noninfected rats. Harley JP, et al. **Comp Biochem Physiol [A]** 1982; 72(1):111–4

The effect of Trichinella spiralis infection on Schistosoma mansoni liver granuloma. Atta NA, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):65–9

DIAGNOSIS

[Trichinosis of the central nervous system. One case (author's transl)] Lyon-Caen O, et al. **Nouv Presse Med** 1982 Jul 3;11(31):2343–6 (Eng. Abstr.) **(Fre)**

[Value of serodiagnosis in human trichinosis] Simkunienė B, et al. **Angew Parasitol** 1981 May;22(2):69–71 (Eng. Abstr.) **(Ger)**

[Relationship between the clinical picture of trichinosis, the species or strain of Trichinella and intensity of invasion. II. Experimental studies] Kocięcka W. **Wiad Parazytol** 1981;27(3):443–82 (Eng. Abstr.) **(Pol)**

[Relationship between the clinical picture of trichinosis, the species or strain of Trichinella and the intensity of invasion. I. Clinical studies] Kocięcka W. **Wiad Parazytol** 1981; 27(3):399–442 (Eng. Abstr.) **(Pol)**

[Clinical aspects, diagnosis and treatment of trichinelliasis] Figurnov VA, et al. **Voen Med Zh** 1981 Aug;(8):42–4 **(Rus)**

[Clinico-epidemiologic characteristic of the trichinosis epidemic in the Prešov District in 1979. (Therapeutic use of mebendazol) (author's transl)] Mittermayer T, et al. **Bratisl Lek Listy** 1981 Apr;75(4):466–72 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

The use of mebendazole in the treatment of trichinellosis in man. Mittermayer T, et al. **Folia Parasitol (Praha)** 1981; 28(3):235–42

Mebendazole therapy of enteral trichinellosis. McCracken

RO, et al. **J Parasitol** 1982 Apr;68(2):259–62

[Effectiveness of Noviben and Panacur in the muscular phase of trichinosis in mice] Długiewicz-Bulia M, et al. **Wiad Parazytol** 1981;27(3):521–5 (Eng. Abstr.) **(Pol)**

[Treatment with Vermox of trichinosis from natural strains in Sakhalin] Morenets TM, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):43–8 **(Rus)**

[Effect of benzimidazoles and glucocorticoids on the intestinal stage of experimental trichinosis in mice] Pereverzeva EV. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):37–42 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Lysozyme activity in the course of experimental trichinellosis in germfree and conventional mice treated with cyclophosphamide. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):71–4

A histochemical study of muscles of mice infected with Trichinella spiralis. Awadalla HN, et al. **J Egypt Soc Parasitol** 1982 Jun;12(1):33–9

[Cholinesterase activity amd the mast cell number in rats with experimental trichinosis] Fal W, et al. **Wiad Parazytol** 1981;27(3):509–15 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Trichinosis—a common source outbreak. Parman SC. **J Med Soc NJ** 1982 Mar;79(3):215–8

Common-source outbreaks of trichinosis—New York City, Rhode Island. **MMWR** 1982 Apr 9;31(13):161–4

FAMILIAL & GENETIC

[Group outbreak of trichinosis in the Perm Oblast] Lyskovtsev MM, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):48–50 **(Rus)**

IMMUNOLOGY

Cimetidine amplifies the anti-neoplastic effect of Trichinella spiralis in mice. Ruitenberg EJ, et al. **Br J Cancer** 1982 Feb;45(2):314–6

Lymphocytotoxicity of mouse sera in the course of experimental infection with Trichinella spiralis and Trichinella pseudospiralis. Bany J, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):105–10

Host-parasite specificity in experimental trichinellosis models in the aspect of transplantation immunology. Bany J. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):95–104

Reactivity of lymphocytes in germfree and conventional mice infected with Trichinella spiralis. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):111–6

Macrophage migration inhibition test in germfree and conventional mice infected with Trichinella spiralis larvae. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980; 28(1–2):81–5

Human eosinophils and parasitic diseases. II. Characterization of two cell fractions isolated at different densities. De Simone C, et al. **Clin Exp Immunol** 1982 Apr;48(1):249–55

Trichinella spiralis: characterization and strain distribution of rapid expulsion in inbred mice. Bell RG, et al. **Exp Parasitol** 1982 Jun;53(3):301–14

Trichinella spiralis: genetic basis for differential expression of phase-specific intestinal immunity in inbred mice. Bell RG, et al. **Exp Parasitol** 1982 Jun;53(3):315–25

Antigen-mediated release of eosinophil growth stimulating factor from Trichinella spiralis sensitized spleen cells: a comparison of T. spiralis stage-specific antigen preparations. Bartelmez SH, et al. **Immunology** 1982 Apr; 45(4):605–11

Short lived, dividing cells mediate adoptive transfer of immunity to Trichinella spiralis in mice. I. Availability of cells in primary and secondary infections in relation to cellular changes in the mesenteric lymph node. Grencis RK, et al. **Immunology** 1982 Jun;46(2):443–50

Genetic control of immunity to Trichinella spiralis. Donor bone marrow cells determine responses to infection in mouse radiation chimaeras. Wakelin D, et al. **Immunology** 1981 Aug;43(4):787–92

Short lived, dividing cells mediate adoptive transfer of immunity to Trichinella spiralis in mice. II. In vivo characteristics of the cells. Wakelin D, et al. **Immunology** 1982 Jun;46(2):451–7

Studies on the inhibition of rapid expulsion of Trichinella spiralis in rats. Bell RG, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):73–80

Potentiation of MIF production by lymphocytes of Trichinella spiralis-infected mice. Blackwood LL, et al. **Int Arch Allergy Appl Immunol** 1982;68(3):280–2

Thymus dependence of the adoptive transfer of intestinal mastocytopoiesis in Trichinella spiralis-infected mice. Parmentier HK, et al. **Int Arch Allergy Appl Immunol** 1982; 68(3):260–7

Comparison of rapid expulsion of Trichinella spiralis in mice and rats. Alizadeh H, et al. **Int J Parasitol** 1982 Feb; 12(1):65–73

Immunopathological changes in the kidneys of mice experimentally infected with Trichinella spiralis. Hammouda NA, et al. **J Egypt Soc Parasitol** 1981 Jun; 11(1):15–23

The effect of Trichinella spiralis on the rate of clearance of 51Cr-labelled sheep red blood cells and 125I-polyvinyl pyrrolidone from the bloodstream of mice. Aboul-Atta NA, et al. **J Helminthol** 1981 Dec;55(4):287–93

Antibody response to stage-specific Trichinella spiralis surface antigens in strong and weak responder mouse strains. Jungery M, et al. **J Immunol** 1982 Aug; 129(2):839–43

Reduced hexose transport by enterocytes associated with rapid, noninjurious rejection of Trichinella spiralis from immune rats. Hessel J, et al. **J Parasitol** 1982 Apr; 68(2):202–7

The reversal of the immunodepression phenomenon in trichinellosis and its effect on the life cycle of the parasite. Faubert GM. **Parasite Immunol** 1982 Jan;4(1):13–20

Enhanced resistance to Plasmodium berghei in mice previously infected with Trichinella spiralis. Ngwenya BZ. **Parasite Immunol** 1982 May;4(3):197–207

Specific cross-immunity between Trichinella spiralis and Trichuris muris: immunization with heterologous infections and antigens and transfer of immunity with heterologous immune mesenteric lymph node cells. Lee TD, et al. **Parasitology** 1982 Apr;84(Pt 2):381–9

The anti-neoplastic effect of trichinellosis in a syngeneic murine model. Pocock D, et al. **Parasitology** 1982 Jun;84(Pt 3):463–73

Intestinal mast cell response in thymectomised and normal mice infected with Trichinella spiralis. Brown PJ, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):189–98

[Studies on 'self-cure' in helminthiasis with reference to our personal observations] Karmańska K. **Wiad Parazytol** 1980; 26(6):581–96 (110 ref.) (Eng. Abstr.) **(Pol)**

[Detection of circulating antigens in the blood serum of patients with echinococcosis, alveolar hydatid disease and trichinosis] Leĭkina ES, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):7–15 (Eng. Abstr.) **(Rus)**

METABOLISM

Taurine levels in Trichinella spiralis infected versus noninfected rat diaphragms. Harley JP, et al. **Comp Biochem Physiol [B]** 1982;72(1):87–92

OCCURRENCE

A community outbreak of trichinosis in Nebraska: report of an epidemiologic investigation. Currier RW, et al. **Nebr Med J** 1982 Jan;67(1):2–5

A community outbreak of trichinosis in Nebraska: report of an epidemiologic investigation. Currier RW, et al. **Nebr Med J** 1982 Feb;67(2):21–2

[Research on trichinellosis in butchered horses in the city of Bologna] Baldelli R, et al. **Parassitologia** 1980 Jan–Aug; 22(1–2):157–60 **(Ita)**

[Findings on an epidemic of human trichinelliasis verified in Italy] Mantovani A, et al. **Parassitologia** 1980 Jan–Aug; 22(1–2):107–34 (68 ref.) (Eng. Abstr.) **(Ita)**

[Trichinosis] Adonajło A. **Przegl Epidemiol** 1981;35(1):157–8 **(Pol)**

[Trichinosis in Zacatecas. Epidemiological and clinical study] Martínez Marañon R. **Prensa Med Mex** 1979 Nov–Dec; 44(11–12):278–87 **(Spa)**

PARASITOLOGY

Trichinella spiralis in rats: in vivo effects of the bile and in vitro action of secretory IgA from bile. Jacqueline E, et al. **Ann Parasitol Hum Comp** 1981;56(4):395–400

Experimental Trichinella spiralis infection in the ferret, Mustela putorius furo. Campbell WC, et al. **J Helminthol** 1982 Mar;56(1):55–8

A comparative study of Trichinella spiralis (Owen, 1835) and Trichinella pseudospiralis (Garkavi, 1972). Kramar M, et al. **J Parasitol** 1981 Dec;67(6):911–6

Lack of effect of host age on the distribution of Trichinella spiralis within the small intestine of laboratory mice. McCracken RO. **J Parasitol** 1982 Feb;68(1):159–62

Primary diagnostics of sibling-species of Trichinellae. Boev SN, et al. **Wiad Parazytol** 1981;27(3):483–7

[Current trends in the studies on trichinosis in Poland] **Wiad Parazytol** 1981;27(3):373–82 **(Pol)**

[Immunological factors in the muscular phase of trichinosis] Karmańska K. **Wiad Parazytol** 1981;27(3):383–98 **(Pol)**

PATHOLOGY

Scanning electron microscope studies in the small intestine epithelium of germfree and conventional mice after infection with Trichinella spiralis. Przyjałkowski Z, et al. **Bull Acad Pol Sci [Biol]** 1980;28(1–2):75–9

Sequential mesenteric lymph node histological response following Trichinella spiralis infection. Molinari JA, et al. **Int Arch Allergy Appl Immunol** 1982;69(1):81–5

[Pathomorphology of rat muscle tissue in the course of Trichinella pseudospiralis infection] Gustowska L, et al. **Wiad Parazytol** 1980;26(6):621–8 (15 ref.) (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Trichinellosis in the exercised rat. Ahmad RA, et al. **Int J Parasitol** 1982 Feb;12(1):59–63

The effects of host sex on enteric response to infection with Trichinella spiralis. Charniga L, et al. **J Parasitol** 1981 Dec; 67(6):917–22

Gut propulsion in mice infected with Trichinella spiralis. Sukhdeo MV, et al. **J Parasitol** 1981 Dec;67(6):906–10

Cardiac dysfunction in trichinosis [letter] Kaimal KP, et al. **N Engl J Med** 1982 Aug 5;307(6):374–5

PREVENTION & CONTROL

Immunological control of parasitic diseases through chemically pretreated antigens—III. Trichinellosis. Nabih I. **Cell Mol Biol** 1981;27(4):393–4

THERAPY

The role of T lymphocytes in the course of experimental trichinellosis in mice. Influence on anti-theta serum. Karmańska K, et al. **Wiad Parazytol** 1981;27(3):499–508

TRANSMISSION

[A report of 58 cases of human trichinosis caused by eating raw bear meat (author's transl)] Wang BK, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):143–4 **(Chi)**

VETERINARY

Evidence, nature, and implications of the constitutive resistance to Trichinella spiralis in gallinaceous birds. Barriga OO. **Am J Vet Res** 1981 Nov;42(11):1963–5

A survey of trichinosis among black bears of Arizona. Le Count AL. **J Wildl Dis** 1981 Jul;17(3):349–52

Comparison of four methods for early detection of experimental Trichinella spiralis infections in pigs. van Knapen F, et al. **Vet Parasitol** 1981 Dec;9(2):117–23

Muscle biopsies from Cynomolgus monkeys. Moolenbeek C, et al. **Z Versuchstierkd** 1981;23(6):343–5

[Research on trichinellosis in butchered horses in the city of Bologna] Baldelli R, et al. **Parassitologia** 1980 Jan–Aug; 22(1–2):157–60 **(Ita)**

[Trichinellosis in swine authorized for human consumption (author's transl)] Alcaino HA, et al. **Rev Med Chil** 1981 Jun;109(6):516–8 (Eng. Abstr.) **(Spa)**

TRICHLORBUTANOL see **CHLOROBUTANOL**

TRICHLORFON

Metrifonate and dichlorvos: theoretical and practical aspects. Proceedings of a symposium held at the Royal Academy of Sciences in Stockholm, November 3–4, 1980. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:1–137

Chemistry of metrifonate and dichlorvos. Hofer W. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:7–14

[Studies on the resistance of house-flies to dipterex and methods for its determination (author's transl)] Li WZ, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):238–9 **(Chi)**

[Response of Musca domestica L. species to insecticides [lindane (gamma HCH)] and trichlorfon) as a function of various temperatures] Enescu A. **Arch Roum Pathol Exp Microbiol** 1982 Jan–Mar;41(1):61–5 (Eng. Abstr.) **(Fre)**

[Housefly (Musca domestica L.) resistance to chlorophos] Agafonova GV, et al. **Med Parazitol (Mosk)** 1981 Nov–Dec;50(6):79 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Control of urinary schistosomiasis by 3 annual courses of metrifonate] Druilhe P, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):99–109 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Metrifonate-induced congenital tremor in piglets] Belchev L, et al. **Vet Med Nauki** 1981;18(7):77–82 (Eng. Abstr.) **(Bul)**

ANALYSIS

[Photometric determination of chlorophos in air] Atabekian VG, et al. **Gig Sanit** 1981 Aug;(8):68 **(Rus)**

BLOOD

Levels of metrifonate and dichlorvos in plasma and erythrocytes during treatment of schistosomiasis with Bilarcil. Nordgren I, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:79–86

METABOLISM

Levels of metrifonate and dichlorvos in plasma and erythrocytes during treatment of schistosomiasis with Bilarcil. Nordgren I, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:79–86

Fate of trichlorfon in buffer and soluble fraction (105000g) from cow and chicken liver homogenates. Akhtar MH. **J Agric Food Chem** 1982 May–Jun;30(3):551–4

PHARMACODYNAMICS

Metrifonate and dichlorvos: theoretical and practical aspects. History and scope of the conference. Aldridge WN, et al. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:3–6

Studies of the mode of action of metrifonate and DDVP in schistosomes – cholinesterase activity and the hepatic shift. Bloom A. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:109–13

Guanine N7-alkylation in mice in vivo by metrifonate – discussion of possible genotoxic risk in mammals. Dedek

W. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:40–50
Effect of metrifonate on neuromuscular transmission. Le Quesne PM, et al. **Acta Pharmacol Toxicol (Copenh)** 1981; 49 Suppl 5:99–104
Changes in carbohydrate metabolism in various organs of the snail, Lymnaea acuminata following exposure to trichlorfon. Mahendru VK, et al.
Acta Pharmacol Toxicol (Copenh) 1981 May;48(5):377–81
Esterases in schistosomes: reaction with substrates and inhibitors. Reiner E. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:72–8
Effect of the phosphorganic pesticide neguvon on the contractions of guinea-pig ileum induced by field stimulation. Dishovski HD.
Acta Physiol Pharmacol Bulg 1981;7(2):38–42
The simultaneous action of juvenile hormone analog, 1-(4'-ethylphenoxy)-6,7-epoxy-3,7-dimethyl-2-octene and organophosphorus insecticide trichlorfon in Blattella germanica L. species. Bilbie I, et al.
Arch Roum Pathol Exp Microbiol 1981 Apr-Jun; 40(2):173–6
Effect of the pesticide trichlorfon on the peripheral blood of the quail. Gromysz-Kałkowska K, et al.
Folia Biol (Krakow) 1981;29(3–4):185–200
Effect on neuromuscular transmission of repeated administration of an organophosphorus compound, metrifonate, during treatment of children with urinary schistosomiasis. Maxwell IC, et al.
Neurotoxicology (Park Forest Il) 1981 Dec;2(4):687–701
[Development of resistance to carbamates and organophosphate insecticides in flies, Musca domestica L., and cockroaches, Blattella germanica L] Mańkowska H, et al. **Rocz Panstw Zakl Hig** 1981;32(2):163–7 (Eng. Abstr.) **(Pol)**

POISONING

[Encephalo-myelo-polyradiculoneuropathy following poisoning alkylphosphate (author's transl)] Grünewald HW, et al. **Nervenarzt** 1981 Aug;52(8):464–7 **(Ger)**
[Dipterex polyneuropathy--ultrastructural study of the axonal change (author's transl)] Shiraishi S, et al.
Rinsho Shinkeigaku 1981 Nov;21(11):993–9 (Eng. Abstr.) **(Jpn)**
[Morphological and histochemical studies of the pancreas of albino rats after trichlorfon poisoning] Sawicki B, et al. **Patol Pol** 1981;32(2):277–86 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Studies of metrifonate in onchocerciasis. Awadzi K, et al.
Acta Pharmacol Toxicol (Copenh) 1981;49 Suppl 5:131–6
Metrifonate in schistosomiasis – therapy and prophylaxis. Jewsbury JM. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:123–30
Therapeutic properties of metrifonate. Snellen WM.
Acta Pharmacol Toxicol (Copenh) 1981;49 Suppl 5:114–7
Urinary schistosomiasis in Egyptian farmers treated with metrifonate (Bilarcil). Farid Z, et al.
Ann Trop Med Parasitol 1981 Aug;75(4):459–61
Further trials of mebendazole and metrifonate in the treatment of onchocerciasis. Kale OO. **Bull WHO** 1982; 60(1):109–13
Schistosoma haematobium in Ajara community of Badagry. Metrifonate trials in the treatment of the disease. Ejezie GC, et al. **Trop Geogr Med** 1981 Jun;33(2):181–4
Efficacy of metrifonate in urinary schistosomiasis in light and heavy infections. Feldmeier H, et al.
Tropenmed Parasitol 1982 Jun;33(2):102–6
Field test of fenbendazole and trichlorfon in horses. Lyons ET, et al. **VM SAC** 1981 Nov;76(11):1643–5

TOXICITY

Delayed neurotoxicity – do trichlorphon and/or dichlorvos cause delayed neuropathy in man or in test animals? Johnson MK. **Acta Pharmacol Toxicol (Copenh)** 1981;49 Suppl 5:87–98
Chronic toxicity of metrifonate. Machemer L.
Acta Pharmacol Toxicol (Copenh) 1981;49 Suppl 5:15–28
Metrifonate and dichlorvos: cytogenetic investigations. Moutschen-Dahmen J, et al.
Acta Pharmacol Toxicol (Copenh) 1981;49 Suppl 5:29–39
Clinical toxicosis and erythrocyte cholinesterase inhibition of trichlorfon combined with mebendazole in horses. Gingerich DA, et al. **Am J Vet Res** 1981 Sep;42(9):1645–50
Membrane-bound and soluble esterase activities in various hen brain regions after diisopropyl phosphorofluoridate and trichlorfon treatment. Olajos EJ, et al.
Neurotoxicology (Park Forest Il) 1981 Nov;2(3):463–70
[Histological, morphometric and cytophotometric studies of gonads in male mice administered insecticides (Metox-30, Sadofos-30 and Foschlor-50)] Wenda-Różewicka L.
Endokrynol Pol 1981 Mar-Apr;32(2):213–5 **(Pol)**
[Effect of seasons on the degree of toxicity of chlorophos in rats] Sadowski S, et al. **Rocz Panstw Zakl Hig** 1981; 32(4):351–5 (Eng. Abstr.) **(Pol)**

TRICHLORMETHIAZIDE

METABOLISM

The pharmacokinetics of trichlormethiazide in hypertensive patients with normal and compromised renal function. Sketris IS, et al. **Eur J Clin Pharmacol** 1981;20(6):453–7

TRICHLOROACETIC ACID

[Thiocyanate determination in sera precipitated and preserved by trichloroacetic acid] Paetzelt H, et al.
Pharmazie 1981 Oct;36(10):716–7 **(Ger)**

METABOLISM

The role of 2-mercaptoethanol in the stimulation of spleen cell cultures: increased uptake of cystine into the TCA-soluble pool. Burger M, et al. **Immunol Lett** 1982 Apr;4(4):193–7

PHARMACODYNAMICS

Regulation of fatty acid composition in Escherichia coli: a proposed common mechanism for changes induced by ethanol, chaotropic agents, and a reduction of growth temperature. Ingram LO. **J Bacteriol** 1982 Jan; 149(1):166–72

THERAPEUTIC USE

[92 case observation of late curative effect on treatment of cysts and fistulae by means of application of trichloroacetic acid (author's transl)] Zhou YC.
Chung Hua Kou Chiang Ko Tsa Chih 1981 Jun;16(2):119–20 **(Chi)**

TRICHLOROEPOXYPROPANE see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHANES see under **HYDROCARBONS, CHLORINATED**

TRICHLOROETHYLENE

Are trichloroethylene vaporisers accurate? Rees DG, et al.
Anaesthesia 1981 Nov;36(11):1060–1
Abuse of trichloroethylene by oral self-administration. Wells JC. **Anaesthesia** 1982 Apr;37(4):440–1
[Trilene analgesia and autoanalgesia] Kotov IuA.
Voen Med Zh 1981 Aug;(8):54 **(Rus)**

ADVERSE EFFECTS

Hepatotoxicity of trichloroethylene-carbon tetrachloride mixtures in rats. A possible consequence of the potentiation by trichloroethylene of carbon tetrachloride-induced lipid peroxidation and liver lesions. Pessayre D, et al.
Gastroenterology 1982 Oct;83(4):761–72
Cirrhosis after repeated trichloroethylene and 1,1,1-trichloroethane exposure. Thiele DL, et al.
Gastroenterology 1982 Oct;83(4):926–9
[Toxic hepatitis and acute renal failure after inhalation of chloride solvents: report of one case (author's transl)] Teixidó Planas J, et al. **Med Clin (Barc)** 1981 Jun 25; 77(2):72–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

[Gas chromatographic determination of dichloromethane, trichloroethylene and tetrachloroethylene in air in the maximum emission concentration range] Hanika G, et al.
Z Gesamte Hyg 1982;28(1):20–1 (Eng. Abstr.) **(Ger)**
[Percutaneous absorption of trieline with warning levels of the biological indices] Crovato E, et al.
Ann Ist Super Sanita 1981;17(3):527–30 **(Ita)**

METABOLISM

Metabolic activation and deactivation mechanisms of di-, tri-, and tetrachloroethylenes. Henschler D, et al.
Adv Exp Med Biol 1981;136 Pt A:659–66
Interaction of reactive intermediates with DNA. Magee PN, et al. **Adv Exp Med Biol** 1981;136 Pt B:1335–47
Metabolic activation and hepatotoxicity of trichloroethylene. Reynolds ES, et al. **Adv Exp Med Biol** 1981;136 Pt A:693–701
Oxidation of trichloroethylene by liver microsomal cytochrome P-450: evidence for chlorine migration in a transition state not involving trichloroethylene oxide. Miller RE, et al. **Biochemistry** 1982 Mar 2;21(5):1090–7
Covalent binding of halogenated volatile solvents to subcellular macromolecules in hepatocytes. Cunningham ML, et al. **Life Sci** 1981 Sep 21;29(12):1207–12
The pharmacokinetics and macromolecular interactions of trichloroethylene in mice and rats. Stott WT, et al.
Toxicol Appl Pharmacol 1982 Jan;62(1):137–51

PHARMACODYNAMICS

Trichloroethylene: effects on body and organ weights in mice, rats and gerbils. Kjellstrand P, et al. **Toxicology** 1981; 21(2):105–15
[Effects of trichlorethylene and its metabolites on the rate of sister-chromatid exchange. In vivo and in vitro study on the human lymphocytes. (author's transl)] Gu ZW, et al. **Ann Genet (Paris)** 1981;24(2):105–6 (Eng. Abstr.) **(Fre)**

POISONING

Chronic dysphagia and trigeminal anesthesia after trichloroethylene exposure. Lawrence WH, et al.
Ann Intern Med 1981 Dec;95(6):710
Avoidable deaths due to acute exposure to 1,1,1-trichloroethane. Northfield RR. **J Soc Occup Med** 1981 Oct;31(4):164–6
[Radiopacity produced by the stomach contents in a case of trichlorethylene poisoning (author's transl)] Schneider V, et al. **Z Rechtsmed** 1982;88(1-2):147–57 (Eng. Abstr.) **(Ger)**
[Allergic thrombopenia caused by trichloroethylene] Banach S, et al. **Wiad Lek** 1981 May 1;34(9):785–8 **(Pol)**

TOXICITY

Neurotransmitter metabolizing enzymes and plasma butyrylcholinesterase in mice exposed to trichloroethylene. Kanje M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep; 49(3):205–9
Trichlorethylene and halothane inhibit uptake of 5-hydroxytryptamine in the isolated perfused rat lung. Hede AR, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):353–8
Rat fetal development and maternal exposure to trichloroethylene 100 p.p.m. Healy TE, et al.
Br J Anaesth 1982 Mar;54(3):337–41
Effects of long term exposure to trichloroethylene on learning behaviour in rats. Ikeda T, et al.
Dev Toxicol Environ Sci 1980;8:91–4
In vivo assessment of immunotoxicity. Munson AE, et al.
Environ Health Perspect 1982 Feb;43:41–52
Effects of long-term exposure to trichloroethylene on the behavior of Mongolian gerbils (Meriones unguiculatus). Kjellstrand P, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):787–93
The neurobehavioral toxicity of trichloroethylene. Annau Z.
Neurobehav Toxicol Teratol 1981 Winter;3(4):417–24 (54 ref.)
Trichloroethylene: long-lasting changes in the brain after rehabilitation. Haglid KG, et al.
Neurotoxicology (Park Forest Il) 1981 Dec;2(4):659–73
Humoral and cell-mediated immune status in mice exposed to trichloroethylene in the drinking water. Sanders VM, et al. **Toxicol Appl Pharmacol** 1982 Mar 15;62(3):358–68
Toxicology of trichloroethylene in the mouse. Tucker AN, et al. **Toxicol Appl Pharmacol** 1982 Mar 15;62(3):351–7
Epinephrine-induced cardiac arrhythmias in rabbits exposed to trichloroethylene: role of trichloroethylene metabolites. White JF, et al. **Toxicol Appl Pharmacol** 1981 Sep 30; 60(3):458–65
Epinephrine-induced cardiac arrhythmias in rabbits exposed to trichloroethylene: potentiation by ethanol. White JF, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):466–71
Effects of trichloroethylene inhalation on acid phosphatase in rodent brain. Kjellstrand P, et al. **Toxicol Lett** 1982 Jan; 10(1):1–5
[Effects of trichlorethylene and its metabolites on the rate of sister chromatid exchange. In vivo and in vitro study on the human lymphocytes (author's transl)] Gu ZW, et al. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1511–2 (Eng. Abstr.) **(Fre)**
[Metabolic activation of p-nitrotoluene and trichloroethylene by rat-liver S9 or mouse-liver S9 fractions in Salmonella typhimurium strains (author's transl)] Miyata R, et al.
Eisei Shikenjo Hokoku 1981;99:60–5 **(Jpn)**

2,4,5-TRICHLOROPHENOXYACETIC ACID

ADVERSE EFFECTS

Congenital defects and miscarriages among New Zealand 2, 4, 5-T sprayers. Smith AH, et al. **Arch Environ Health** 1982 Jul-Aug;37(4):197–200
Agent orange: government responsibility for the military use of phenoxy herbicides. Lacey P, et al.
J Leg Med (Chicago) 1982 Mar;3(1):137–78
Phenoxy herbicides, trichlorophenols, and soft-tissue sarcomas [editorial] **Lancet** 1982 May 8;1(8280):1051–2
Do phenoxy herbicides cause cancer in man? Coggon D, et al. **Lancet** 1982 May 8;1(8280):1057–9
Safe as 2, 4, 5-T? [letter] Thomas HF, et al. **Nature** 1982 Jan 28;295(5847):276
Reviewers pan Agent Orange study plan [news] Holden C.
Science 1981 Dec 4;214(4525):1107
Jumping chickens: relevance to hazard in humans [letter] Leng ML. **Science** 1982 Mar 12;215(4538):1421–2

ANALOGS & DERIVATIVES

Pharmacokinetics of 2,4,5-T PGBE ester applied dermally to rats. Young JD, et al. **J Toxicol Environ Health** 1981 Sep;8(3):401–8

ANALYSIS

A radioimmunoassay to screen for 2,4,-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid in surface water. Rinder DF, et al. **Bull Environ Contam Toxicol** 1981 Mar; 26(3):375–80

BLOOD

Atmospheric pressure ionization mass spectrometry: the routine determination of 2,4,5-trichlorophenoxyacetic acid and its metabolites. Mitchum RK, et al.

Biomed Mass Spectrom 1981 Nov;8(11):539–45

METABOLISM

Pharmacokinetics of 2,4,5-T PGBE ester applied dermally to rats. Young JD, et al. **J Toxicol Environ Health** 1981 Sep;8(3):401–8

Plasmid-assisted molecular breeding: new technique for enhanced biodegradation of persistent toxic chemicals. Kellogg ST, et al. **Science** 1981 Dec 4;214(4525):1133–5

PHARMACODYNAMICS

2,4,5-T effects on cardiac and serum lactic dehydrogenase (LDH) and creatine kinase (CK) isozymes. II. Neonatal enzyme activities and isozyme profiles. Courtney KD, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):583–95

2,4,5-T effects on cardiac and serum lactic dehydrogenase (LDH) and creatine kinase (CK) isozymes. I. Maternal enzyme activities and isozyme profiles. Courtney KD, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):571–81

POISONING

Light at end of tunnel in Orange controversy [news] Gunby P. **JAMA** 1982 Mar 12;247(10):1382

Thoracic soft-tissue sarcoma in Vietnam veterans exposed to Agent Orange [letter] Sarma PR, et al. **N Engl J Med** 1982 May 6;306(18):1109

TOXICITY

Agent orange [editorial] **Am Fam Physician** 1982 Apr; 25(4):91–2

Effects of lindane, paraquat, toxaphene, and 2,4,5-trichlorophenoxyacetic acid on mallard embryo development. Hoffman DJ, et al. **Arch Environ Contam Toxicol** 1982;11(1):79–86

Effect of 2,4,5-trichlorophenoxyacetate on renal function. Koschier FJ, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):189–93

Development and viability of offspring of male mice treated with chlorinated phenoxy acids and 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):835–44

Toxicity of chlorinated phenoxy acids in combination with 2,3,7,8-tetrachlorodibenzo-p-dioxin in C57BL/6 male mice. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):815–24

Male fertility, sister chromatid exchange, and germ cell toxicity following exposure to mixtures of chlorinated phenoxy acids containing 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lamb JC 4th, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):825–34

Mutagenicity studies with 2,4,5-T on bacteria and mammalian germ cells. Herbold BA, et al. **Teratogenesis Carcinog Mutagen** 1982;2(1):91–101

TRICHOBEZOARS see **BEZOARS**

TRICHOCEPHALIASIS see **TRICHURIASIS**

TRICHOCEPHALUS see **TRICHURIS**

TRICHODERMA see under **MONILIALES**

TRICHODERMIN see under **SESQUITERPENES**

TRICHOMONAS

ANALYSIS

Cell surface carbohydrates in Tritrichomonas foetus. Benchimol M, et al. **J Protozool** 1981 Aug;28(3):337–41

DRUG EFFECTS

Antitrichomonadal and other biological effects of sugar hydrazones and phenylosazones. Fuska J, et al. **Folia Microbiol (Praha)** 1982;27(1):49–54

Investigations on Trichomonas foetus in vitro. Christow CP. **Microbiol Esp** 1979–1980;32–33:21–6

ISOLATION & PURIFICATION

A method for the isolation of Trichomonas hominis in axenic culture. Lo HS, et al. **Ann Trop Med Parasitol** 1981 Oct; 75(5):567–8

Trichomonas tenax: axenization of another strain [letter] Feki A, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):425

[Trichomonas hominis: isolation and axenic cultivation (author's transl)] Shaio MF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):73–7 (Eng. Abstr.) **(Chi)**

PATHOGENICITY

Trichomonas gallinae infections in the ringdove (Streptopelia risoria). Powell EC, et al. **J Wildl Dis** 1982 Jan;18(1):89–90

ULTRASTRUCTURE

[Studies of parasitic flagellata (Trypanosomatidae and Trichomonadidae) by scanning electron microscopy] Wartoń A. **Wiad Parazytol** 1980;26(6):629–34 (18 ref.) (Eng. Abstr.) **(Pol)**

TRICHOMONAS INFECTIONS

Non-gonococcal urethritis in males—a preliminary study. Bhujwala RA, et al. **Indian J Med Res** 1982 Apr;75:485–8

BLOOD

Polymorphonuclear cell chemotaxis to secretions of pathogenic and nonpathogenic Trichomonas vaginalis. Mason PR, et al. **J Parasitol** 1982 Jun;68(3):457–62

COMPLICATIONS

[Urogenital trichomoniasis as a cause of male subfertility] Ristić D, et al. **Med Pregl** 1981;34(3–4):137–42 **(Scr)**

DIAGNOSIS

Studies on the etiological role of Tr. vaginalis in chronic prostatitis, and efficiency of the diagnostic methods employed. Andreeva N, et al. **Folia Med (Plovdiv)** 1981; 23(2):36–9

A preliminary study of antibodies against Trichomonas vaginalis infection using the I.F.A.T. Salem SA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):201–6

Trichomonas empyema. Miller MJ, et al. **Thorax** 1982 May; 37(5):384–5

[Non-gonorrheal urethritis among male patients of the District Dermatological Clinic in Szczecin] Lambert M. **Przegl Dermatol** 1981 May-Jun;68(3):371–7 (Eng. Abstr.) **(Pol)**

[Indirect immunofluorescence technic in the serodiagnosis of Trichomonas infections] Laudańska H, et al. **Przegl Dermatol** 1981 Jul-Aug;68(4):483–6 (Eng. Abstr.) **(Pol)**

[Rapid IFR-40 (immunofluorescence reaction) in the diagnosis of urogenital trichomoniasis] Bednova VN, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):19–21 **(Rus)**

DRUG THERAPY

Comparative efficacy of Go 10213 and some nitroimidazoles against Trichomonas vaginalis and T. Foetus in mice infected subcutaneously. Ray DK, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):175–8

Combined systemic and topical treatment of trichomoniasis vaginalis with azanidazol. Marchionni M, et al. **Clin Exp Obstet Gynecol** 1981;8(1):18–20

ETIOLOGY

[Urethro-prostatitis caused by Trichomonas vaginalis] Sefer M. **Rev Ig [Bacteriol]** 1981 Oct-Dec;26(4):243–6 **(Rum)**

IMMUNOLOGY

Trichomonas vaginalis: dependence of resistance among different mouse strains upon the non-H-2 gene haplotype, sex, and age of recipient hosts. Landolfo S, et al. **Exp Parasitol** 1981 Dec;52(3):312–8

OCCURRENCE

Trichomonas vaginalis infection of the median raphe of the penis. Soendjojo A, et al. **Sex Transm Dis** 1981 Oct-Dec; 8(4):255–7

PATHOLOGY

[Trichomonal balano-posthitis. Report of 16 cases (author's transl)] Michalowski R. **Ann Dermatol Venereol** 1981; 108(10):731–8 (Eng. Abstr.) **(Fre)**

VETERINARY

Nature of immunity in the male bovine reproductive tract based upon responses to Campylobacter fetus and Trichomonas fetus. Winter AJ, et al. **Adv Exp Med Biol** 1981;137:745–52

Trichomonas gallinae infections in the ringdove (Streptopelia risoria). Powell EC, et al. **J Wildl Dis** 1982 Jan;18(1):89–90

TRICHOMONAS VAGINALIS

[Detection of Trichomonas vaginalis by fluorescent staining technique (author's transl)] Zhang MR. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):87–9 **(Chi)**

[7th Pan-Polish antitrichomonas symposium. Lodz, 27–28 June 1980] **Wiad Parazytol** 1981;27(2):153–369 **(Pol)**

[Urethro-prostatitis caused by Trichomonas vaginalis] Sefer M. **Rev Ig [Bacteriol]** 1981 Oct-Dec;26(4):243–6 **(Rum)**

DRUG EFFECTS

MEchanisms of selective toxicity of metronidazole and other nitroimidazole drugs [letter] Meingassner JG. **Br J Vener Dis** 1981 Aug;57(4):279

Zinc sensitivity of Trichomonas vaginalis: in vitro studies and clinical implications. Krieger JN, et al. **J Infect Dis** 1982 Sep;146(3):341–5

Metronidazole-resistant Trichomonas vaginalis [letter] Goulton J, et al. **Lancet** 1982 Jan 2;1(8262):42

Metronidazole-resistant trichomonas vaginalis [letter] Taylor-Robinson D, et al. **Lancet** 1981 Nov 14;2(8255):1107

In vitro susceptibility of Trichomonas vaginalis to zinc. Gardner WA Jr, et al. **Prostate** 1981;2(3):323–5

[Biological characteristics of Trichomonas vaginalis] Demeš P, et al. **Bratisl Lek Listy** 1981 Dec;76(6):720–3 **(Slo)**

[Testing the effects of hydrazones and osazones of sugars on Trichomonas vaginalis (author's transl)] Demeš P, et al. **Bratisl Lek Listy** 1982 Mar;77(3):303–10 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Isoenzyme characterisation of Trichomonas vaginalis. Soliman MA, et al. **Br J Vener Dis** 1982 Aug;58(4):250–6

GROWTH & DEVELOPMENT

Canine prostatic secretions kill Trichomonas vaginalis. Krieger JN, et al. **Infect Immun** 1982 Jul;37(1):77–81

IMMUNOLOGY

Cytotoxicity of human peripheral blood monocytes against Trichomonas vaginalis. Mantovani A, et al. **Clin Exp Immunol** 1981 Nov;46(2):391–6

Activation of the alternative complement pathway by Trichomonas vaginalis. Gillin FD, et al. **Infect Immun** 1981 Oct;34(1):268–73

ISOLATION & PURIFICATION

Bare Trichomonas vaginalis nuclei in cervicovaginal smears [letter] Hollander DH. **Acta Cytol (Baltimore)** 1982 Jan-Feb;26(1):96–7

Vaginitis in sexually active women: relationship to nine sexually transmitted organisms. Osborne NG, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):962–7

Evaluation of acridine orange stain for detection of Trichomonas vaginalis in vaginal specimens. Greenwood JR, et al. **J Clin Microbiol** 1981 Dec;14(6):699

Preliminary observations on human vaginal and intestinal trichomonads. Hegazi MM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):359–64

Association of Trichomonas vaginalis with other microorganisms [letter] Mason PR, et al. **Lancet** 1982 May 8;1(8280):1067

Trichomonas vaginalis infection of the median raphe of the penis. Soendjojo A, et al. **Sex Transm Dis** 1981 Oct-Dec; 8(4):255–7

[Round forms of Trichomonas vaginalis and their importance in the diagnosis of trichomoniasis (author's transl)] Małyszko E, et al. **Dermatol Monatsschr** 1982 Apr; 168(4):260–5 (Eng. Abstr.) **(Ger)**

[Indirect immunofluorescence technic in the serodiagnosis of Trichomonas infections] Laudańska H, et al. **Przegl Dermatol** 1981 Jul-Aug;68(4):483–6 (Eng. Abstr.) **(Pol)**

[Nutrient media for isolating gonococci and Trichomonas vaginalis] Bednova VN, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):34–6 **(Rus)**

METABOLISM

Metronidazole metabolism in cultures of Entamoeba histolytica and Trichomonas vaginalis. Beaulieu BB Jr, et al. **Antimicrob Agents Chemother** 1981 Sep;20(3):410–4

Purine metabolism in Trichomonas vaginalis. Heyworth PG, et al. **FEBS Lett** 1982 May 3;141(1):106–10

MICROBIOLOGY

[Survival of bacteria phagocytized by Trichomonas vaginalis] Szreter H. **Wiad Parazytol** 1981;27(4–5):583–90 (Eng. Abstr.) **(Pol)**

PATHOGENICITY

Relationship between size of Trichomonas vaginalis and pathogenicity. Mehta SH, et al. **Indian J Med Res** 1981 Aug;74:231–5

Polymorphonuclear cell chemotaxis to secretions of pathogenic and nonpathogenic Trichomonas vaginalis. Mason PR, et al. **J Parasitol** 1982 Jun;68(3):457–62

PHYSIOLOGY

[Study on resistant forms of Trichomonas vaginalis (author's transl)] Glele J, et al. **Ann Parasitol Hum Comp** 1982; 57(1):21–31 (Eng. Abstr.) **(Fre)**

TRICHOMONAS VAGINITIS

[7th Pan-Polish antitrichomonas symposium. Lodz, 27–28 June 1980] **Wiad Parazytol** 1981;27(2):153–369 **(Pol)**

DIAGNOSIS

[Round forms of Trichomonas vaginalis and their importance in the diagnosis of trichomoniasis (author's transl)] Małyszko E, et al. **Dermatol Monatsschr** 1982 Apr; 168(4):260–5 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Metronidazole in a single dose for the treatment of trichomoniasis. Failure of a 1-g single dose. Austin TW, et al. **Br J Vener Dis** 1982 Apr;58(2):121–3

Treatment of trichomoniasis with metronidazole rectal suppositories. Panja SK. **Br J Vener Dis** 1982 Aug; 58(4):257–8

Single oral-dose metronidazole therapy for trichomonas vaginitis in adolescents. Minkowski WL, et al.

J Adolesc Health Care 1981 Sep;2(1):41–4
Single dose treatment of trichomoniasis. Gabriel G, et al. **J Int Med Res** 1982;10(2):129–30
Isolation of Trichomonas vaginalis resistant to metronidazole [letter] Waitkins SA, et al. **Lancet** 1981 Sep 12;2(8246):590
Current therapy of vulvovaginitis. Rein MF. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):316–20
[The problem of relapsing infections after treatment of trichomoniasis vaginalis with solcotrichovac—a randomised double-blind study (author's transl)] Litschgi M. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):231–3 (Eng. Abstr.) **(Ger)**
[Treatment of vaginal trichomoniasis in pregnancy with azanidazole] Panariello S, et al. **Arch Ostet Ginecol** 1980 May–Jun;85(3):209–13 **(Ita)**
[Modern considerations on the treatment of vulvovaginitis] Bombelli FM, et al. **Minerva Ginecol** 1982 Jan–Feb; 34(1–2):91–7 **(Ita)**
[Trichomonacidal effect of clotrimazole in vaginal pellets of 200 mg. Treatment for 3 days] Vázquez Camacho L. **Ginecol Obstet Mex** 1981 Apr;49(294):213–24 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Immune response to Trichomonas vaginalis. I. Genetic regulation of IgE antibody response to T. vaginalis in mice. Yano A, et al. **Int Arch Allergy Appl Immunol** 1982; 67(4):310–4
[Reducing the incidence of low birth weight infants by lactobacillus vaccination of the pregnant mother] Lázár E, et al. **Orv Hetil** 1981 Sep 13;122(37):2263–8 **(Hun)**

MICROBIOLOGY

Association of Trichomonas vaginalis with other microorganisms [letter] Mason PR, et al. **Lancet** 1982 May 8;1(8280):1067
[Evaluation of the methods used in microbiological diagnosis of mycoses and Trichomonas infections of the genital tract] Szymanowska B, et al. **Wiad Lek** 1981 Oct 1;34(19):1611–4 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Preliminary observations on human vaginal and intestinal trichomonads. Hegazi MM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):359–64
[Trichomoniasis in infancy and early childhood] Pinterics M, et al. **Orv Hetil** 1981 Oct 25;122(43):2663–4 **(Hun)**
[Diffusion of Trichomonas vaginalis and of several species of Candida in a sample of the female population of Bologna as related to the principal endogenous and exogenous factors] Bergamaschi A, et al. **Nuovi Ann Ig Microbiol** 1981 Jul–Aug;32(4):225–38 (Eng. Abstr.) **(Ita)**
[Trichomoniasis in cervical cancer] Mustafin AM. **Vopr Onkol** 1982;28(6):87 **(Rus)**

PARASITOLOGY

Evaluation of acridine orange stain for detection of Trichomonas vaginalis in vaginal specimens. Greenwood JR, et al. **J Clin Microbiol** 1981 Dec;14(6):699
The clinical diagnosis of trichomoniasis. McLellan R, et al. **Obstet Gynecol** 1982 Jul;60(1):30–4

PATHOLOGY

Relationship between size of Trichomonas vaginalis and pathogenicity. Mehta SH, et al. **Indian J Med Res** 1981 Aug;74:231–5

THERAPY

[Use of the preparation Lactovaginal in the treatment of inflammatory conditions of the vagina and vulva] Sternadel Z, et al. **Ginekol Pol** 1981 Oct;52(10):939–40 (Eng. Abstr.) **(Pol)**

TRICHOPHYTIN

IMMUNOLOGY

ELISA-determined serological reactivity against purified trichophytin in dermatophytosis. Kaaman T, et al. **Acta Derm Venereol (Stockh)** 1981;61(4):313–7
Immunology of dermatophytosis: introduction. Jillson OF. **Cutis** 1982 Jun;29(6):535–6, 542

TRICHOPHYTON

Inhibition of growth of human cancers by extracts from Trichophyton verrucosum. Floersheim GL, et al. **Lancet** 1982 Mar 27;1(8274):708–10

DRUG EFFECTS

Effect of undecanoic acid on cell permeability and respiration of Trichophyton rubrum. Das SK, et al. **Acta Microbiol Pol** 1981;30(3):295–8
Effect of undecanoic acid on fatty acid composition of undecanoic acid sensitive & resistant mutant of Trichophyton rubrum. Das SK, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):76–7
Ketoconazole in griseofulvin-resistant dermatophytosis. Robertson MH, et al. **J Am Acad Dermatol** 1982 Feb; 6(2):224–9
Morphological changes induced by Naftifine, a new antifungal agent, in Trichophyton mentagrophytes. Meingassner JG, et al. **J Invest Dermatol** 1981 Dec; 77(6):444–51
The 'hair root invasion test', a semi-quantitative method for experimental evaluation of antimycotics in guinea-pigs. Petranyi G, et al. **Sabouraudia** 1982 Jun;20(2):101–8
[Studies on the experimental chemotherapy for dermatomycosis and candidiasis. VII. On the antifungal activity for various acetylenic compounds in vitro (author's transl)] Yamazoe H, et al. **Yakugaku Zasshi** 1982 Mar; 102(3):278–84 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Fungistatic capacity of sera from guinea pigs injected with various iron solutions: differences between Trichophyton mentagrophytes and Rhizopus oryzae. Duncan RL Jr, et al. **Infect Immun** 1982 Jan;35(1):368–70
Growth rate of keratinophilic fungi to some volatile substances. Singh KV, et al. **Mykosen** 1981 Oct; 24(10):630–4
[A new method of colour evaluation in fungus cultures (author's transl)] Blazek V, et al. **Mykosen** 1981 Apr; 24(4):241–50 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

A method for identification of dermatophyte antigens in situ by an immunoperoxidase technique in light and electron microscopy. Holden CA, et al. **Clin Exp Dermatol** 1981 May;6(3):311–6
Purification and characterization of a new peptide antigen extracted from dermatophyte mycelia. Asahi M, et al. **J Invest Dermatol** 1982 Jan;78(1):38–43

ISOLATION & PURIFICATION

Laboratory alert: clues to the identification of dermatophytes as the etiologic agents of subcutaneous abscesses. Head ES, et al. **Am J Med Technol** 1981 Jul;47(7):567–8
The isolation of pathogenic fungi and actinomycetes from soil in Egypt. Atia M, et al. **Sabouraudia** 1981 Sep; 19(3):217–21
[A rapid method for the diagnosis of Trichophyton verrucosum (author's transl)] Aursjø J, et al. **Nord Vet Med** 1981 Jun–Aug;33(6–8):377–81 (Eng. Abstr.) **(Nor)**
[Frequency of isolation of mixed cultures of fungi in foot mycoses in coal miners of Ostrava-Karvinsky coal basin, CSSR] Nevludova D. **Vestn Dermatol Venerol** 1982 Apr; (4):51–3 **(Rus)**
[Trichophyton mentagrophytes var. granulosum. Principal agent of dermatophytosis in the region of Valencia] Garcia de Lomas J, et al. **Actas Dermosifiliogr** 1981 Jul–Aug; 72(7–8):377–82 (Eng. Abstr.) **(Spa)**
[Dermatophytosis caused by Trichophyton ajelloi] Alvarez DP, et al. **Mycopathologia** 1982 Jan 15;77(1):27–9 (Eng. Abstr.) **(Spa)**

PATHOGENICITY

[Pathogenicity, immunogenic properties and antigenic structure of domestic strains of Trichophyton verrucosum] Kocik T. **Pol Arch Weter** 1981;23(1):17–30 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Evaluation of drug phototoxicity by photosensitization of Trichophyton mentagrophytes. Horio T. **Br J Dermatol** 1981 Oct;105(4):365–70

ULTRASTRUCTURE

Scanning electron microscopic study of dermatophyte colonies on agar surface. Elmros T, et al. **Mykosen** 1981 Mar;24(3):181–6
[A case report of kerion celsi and ultrastructure of Trichophyton glabrum in vivo and in vivo (author's transl)] Nanko H, et al. **Nippon Hifuka Gakkai Zasshi** 1982 May; 92(6):645–56 **(Jpn)**

TRICHOPHYTOSIS see **TINEA**

TRICHOSTRONGYLOIDEA

Forecasting of bovine abomasal worm burden by means of serum pepsinogen measurement. Study on suckling calves and heifers in first and second grazing season. Kerboeuf D, et al. **Ann Rech Vet** 1981;12(2):201–13
Evaluation of the Cornell-Wisconsin centrifugal flotation technique for recovering trichostrongylid eggs from bovine feces. Egwang TG, et al. **Can J Comp Med** 1982 Apr; 46(2):133–7
Evaluation of modified Baermann apparatus for the recovery of infective trichostrongylid larvae from herbage samples. Chiejina SN. **J Helminthol** 1982 Jun;56(2):105–9
Effect of Haemonchus contortus extracts on coagulation of ovine plasma. Greene CE, et al. **J Parasitol** 1981 Oct; 67(5):730–1
Field observations on the epidemiology of abomasal parasites in young sheep during winter and spring. Thomas RJ, et al. **Res Vet Sci** 1979 Mar;26(2):209–12
Quantitative studies of ovine haemonchosis. 3. The interpretation and diagnostic significance of the changes in serial egg counts of Haemonchus contortus in a sheep flock. Roberts JL, et al. **Vet Parasitol** 1982 Feb; 9(3–4):211–6

ANATOMY & HISTOLOGY

Paracooperioides peleae gen. et sp. n. (Nematoda: Trichostrongylidae) from the vaal ribbok, Pelea capreolus (Forster, 1790). Boomker J, et al. **Onderstepoort J Vet Res** 1981 Sep;48(3):169–74

CLASSIFICATION

Specific identification of strongyle eggs in small samples of sheep faeces. Christie M, et al. **Res Vet Sci** 1982 Jan; 32(1):113–7
[A new classification of Trichostrongyloidea nematodes (author's transl)] Durette-Desset MC, et al. **Ann Parasitol Hum Comp** 1981;56(3):297–312 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Ivermectin: activity against larval Strongylus vulgaris and adult Trichostrongylus axei in experimental infections in ponies. Lyons ET, et al. **Am J Vet Res** 1982 Aug; 43(8):1449–50
Efficacy of ivermectin against inhibited larvae of Ostertagia ostertagi. Williams JC, et al. **Am J Vet Res** 1981 Dec; 42(12):2077–80
Comparative efficacy of standard antihookworm drugs against various test nematodes. Misra A, et al. **J Helminthol** 1981 Dec;55(4):273–8
Comparison of changes in resistance of Haemonchus contortus eggs following withdrawal of thiabendazole selection. Le Jambre LF, et al. **Res Vet Sci** 1982 Jan; 32(1):39–43
Benzimidazole resistance in a field strain of Haemonchus contortus in the Netherlands. Boersema JH, et al. **Vet Rec** 1982 Feb 27;110(9):203–4

GENETICS

Inheritance of cambendazole resistance in Haemonchus contortus. Herlich H, et al. **Am J Vet Res** 1981 Aug; 42(8):1342–4
Hybridization of Australian Haemonchus placei (Place, 1893), Haemonchus contortus cayugensis (Das & Whitlock, 1960) and Haemonchus contortus (Rudolphi, 1803) from Louisiana. Le Jambre LF. **Int J Parasitol** 1981 Aug; 11(4):323–30

GROWTH & DEVELOPMENT

Changes in water content and volume accompanying exsheathment of Haemonchus contortus. Davey KG, et al. **Int J Parasitol** 1982 Feb;12(1):93–6
Populations of strongyloid nematode infective stages in sheep pastures: comparison between direct pasture sampling and tracer lambs as estimators of larval abundance. Waller PJ, et al. **Int J Parasitol** 1981 Oct;11(5):359–67
Failure of white-tailed deer (Odocoileus virginianus) to serve as experimental hosts for Ostertagia ostertagi Stiles, 1982. McGhee MB. **J Parasitol** 1981 Dec;67(6):969–70
The similarity between arrested development in parasitic nematodes and diapause in insects. Horak IG. **J S Afr Vet Assoc** 1981 Dec;52(4):299–303
Ecology of the free living stages of Nematodirus battus. Gibson TE, et al. **Res Vet Sci** 1981 Nov;31(3):323–7
Ecology of the free-living stages of Nematodirus spathiger. Gibson TE, et al. **Res Vet Sci** 1982 Jan;32(1):35–8
Termination of arrested development of the trichostrongyles of sheep in northern Nigeria. Ogunsusi RA. **Res Vet Sci** 1979 Mar;26(2):189–92
Comparison between tracer calves and herbage samplings for the assessment of pasture infectivity in trichostrongylosis of cattle. Cabaret J, et al. **Vet Parasitol** 1982 Mar;10(1):65–71
Feasibility of herbage sampling in large extensive pastures and availability of cattle nematode infective larvae in mountain pastures. Raynaud JP, et al. **Vet Parasitol** 1982 Mar;10(1):57–64
The natural regulation of Trichostrongylus spp. populations in young grazing sheep. Waller PJ, et al. **Vet Parasitol** 1981 Oct;9(1):47–55
Resistance to reinfection with Haemonchus contortus in lactating and barren ewes following a single infection with larvae conditioned for inhibited development. Eysker M. **Z Parasitenkd** 1981;65(3):343–51

IMMUNOLOGY

Immune response of sheep to Haemonchus contortus: serum antibodies against cross reacting antigens between parasites. Charley J, et al. **Ann Rech Vet** 1981;12(2):123–8
Circulating antigens in ovine haemonchosis. Petit A, et al. **Ann Rech Vet** 1981;12(1):1–9
Haemonchus contortus: immunodiffusion patterns of antigens from phenotypically different females. Sood ML, et al. **Exp Parasitol** 1982 Apr;53(2):164–9
Studies on Haemonchus contortus. IV. The effect of Trichostrongylus axei and Ostertagia circumcincta on challenge with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1981 Dec;48(4):229–34
Alternative pathway activation of complement in fetal lamb

serum by Trichostrongylus vitrinus larvae. Stankiewicz M, et al. **Parasite Immunol** 1981 Winter;3(4):309–18
Attempts to immunise sheep against Ostertagia circumcincta with irradiated larvae. Smith WD, et al. **Res Vet Sci** 1982 Jan;32(1):101–5
Self-curve and immunity following infection and reinfection in ovine haemonchosis. Luffau G, et al. **Vet Parasitol** 1981 Oct;9(1):57–67

ISOLATION & PURIFICATION

Efficiency and sensitivity of techniques for recovering nematode eggs from bovine feces. Egwang TG, et al. **Can J Comp Med** 1981 Jul;45(3):243–8

PATHOGENICITY

The pathogenesis of a single challenge dose of Haemonchus contortus in lambs under six months of age. Hunter AR, et al. **J Helminthol** 1982 Jun;56(2):135–44
Observations on the infectivity and pathogenicity of three isolates of Ostertagia spp sensu lato in calves. Saqur IA, et al. **Res Vet Sci** 1982 Jan;32(1):106–12
Study on the pathogenicity of ostertagiosis due to Ostertagia circumcincta in sheep, in Iraq. Al-Saqur IM, et al. **Vet Parasitol** 1981 Dec;9(2):133–43

PHYSIOLOGY

Nippostrongylus brasiliensis and Haemonchus contortus: function of the excretory ampulla of the third-stage larva. Atkinson HJ, et al. **Exp Parasitol** 1981 Oct;52(2):191–8
Nippostrongylus brasiliensis and Nematodirus battus: changes in numbers and weight during the course of infection. Lumley AM, et al. **Exp Parasitol** 1981 Oct;52(2):183–90
The initiation of coiling behaviour prior to desiccation in the infective larvae of Trichostrongylus colubriformis. Wharton DA. **Int J Parasitol** 1981 Oct;11(5):353–7
The survival of desiccation by the free-living stages of Trichostrongylus colubriformis (Nematoda: Trichostrongylidae). Wharton DA. **Parasitology** 1982 Jun; 84(Pt 3):455–62
Haemonchus contortus third stage larvae in sheep: kinetics of arrival into the abomasum and transformation during rumino-omasal transit. Dakkak A, et al. **Res Vet Sci** 1981 Nov;31(3):384–5
Population study of bovine Ostertagia spp infective larvae on herbage and in soil. Saqur IAl, et al. **Res Vet Sci** 1982 May;32(3):332–7

TRICHOSTRONGYLOIDIASIS

DRUG THERAPY

The role of absorbed drug in the efficacy of oxfendazole against gastrointestinal nematodes. Hennessy DR, et al. **Vet Res Commun** 1981 Sep;5(1):45–9

IMMUNOLOGY

Investigations of transfer factor activity in resistance to Trichostrongylus colubriformis infections in guinea-pigs. Ross JG, et al. **J Helminthol** 1982 Mar;56(1):27–35

METABOLISM

Distribution of 14C-L-leucine on organs and tissues of guinea pigs infected with Trichostrongylus colubriformis. Symons LE, et al. **Int J Parasitol** 1981 Jun;11(3):229–33

PARASITOLOGY

Nippostrongylus brasiliensis and Nematodirus battus: changes in numbers and weight during the course of infection. Lumley AM, et al. **Exp Parasitol** 1981 Oct;52(2):183–90
Haemonchus contortus third stage larvae in sheep: kinetics of arrival into the abomasum and transformation during rumino-omasal transit. Dakkak A, et al. **Res Vet Sci** 1981 Nov;31(3):384–5

PREVENTION & CONTROL

[Haemonchosis in lambs and the prophylactic effect of anthelmintic treatment; consequences of sub-therapeutic dosage and the presence of strains of Haemonchus contortus resistant to benzimidazoles in the Netherlands (author's transl)] Eysker M, et al. **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):138–41 (Eng. Abstr.) **(Dut)**

VETERINARY

Origin of the early digestive disturbances induced by Haemonchus contortus infection in lambs. Bueno L, et al. **Am J Vet Res** 1982 Jul;43(7):1194–9
Ostertagia ostertagi in calves: clinical parasitism and resistance. Herlich H. **Am J Vet Res** 1982 May;43(5):882–3
Immune response of sheep to Haemonchus contortus: serum antibodies against cross reacting antigens between parasites. Charley J, et al. **Ann Rech Vet** 1981;12(2):123–8
Effects of two consecutive experimental Haemonchus contortus infections on abomasal pepsin and electrolytes and serum pepsinogen and electrolytes of sheep. Dakkak A, et al. **Ann Rech Vet** 1981;12(1):65–70
Forecasting of bovine abomasal worm burden by means of serum pepsinogen measurement. Study on suckling calves and heifers in first and second grazing season. Kerboeuf D, et al. **Ann Rech Vet** 1981;12(2):201–13
Circulating antigens in ovine haemonchosis. Petit A, et al. **Ann Rech Vet** 1981;12(1):1–9
Prevention of acute haemonchosis in lambs in the rainy season in northern Nigeria. Schillhorn van Veen TW. **Bull Anim Health Prod Afr** 1981 Sep;29(3):279–83
Haemonchus contortus: abomasal transmural potential difference and permeability changes associated with experimental infection in sheep. Dakkak A, et al. **Exp Parasitol** 1982 Apr;53(2):209–16
Changes in blood leukocytes, bone marrow and lymphoid organs in sheep infected with Haemonchus contortus. Adams DB. **Int J Parasitol** 1981 Aug;11(4):309–17
Immunity acquired by sheep from an experimental infection with Haemonchus contortus. Adams DB, et al. **Int J Parasitol** 1981 Oct;11(5):381–6
Ostertagia circumcincta infection of lambs, the effect of different intakes of larvae on skeletal development. Coop RL, et al. **J Comp Pathol** 1981 Oct;91(4):521–30
The interaction of Trypanosoma congolense and Haemonchus contortus infections in 2 breeds of goat. 2. Haematology. Griffin L, et al. **J Comp Pathol** 1981 Jan; 91(1):97–103
The interaction of Trypanosoma congolense and Haemonchus contortus infections in 2 breeds of goat. 1. Parasitology. Griffin L, et al. **J Comp Pathol** 1981 Jan; 91(1):85–95
Ostertagia ostertagi in calves: a growth nitrogen balance and digestibility study conducted during winter feeding following thiabendazole anthelmintic therapy. Parkins JJ, et al. **J Comp Pathol** 1982 Apr;92(2):219–27
Changes in the flow and composition of gastric lymph in sheep repeatedly infected with Ostertagia circumcincta. Smith WD, et al. **J Comp Pathol** 1981 Oct;91(4):553–64
The pathogenesis of a single challenge dose of Haemonchus contortus in lambs under six months of age. Hunter AR, et al. **J Helminthol** 1982 Jun;56(2):135–44
Epidemiological observations on stomach worms of horses in Morocco. Pandey VS, et al. **J Helminthol** 1981 Sep; 55(3):155–60
Failure of white-tailed deer (Odocoileus virginianus) to serve as experimental hosts for Ostertagia ostertagi Stiles, 1982. McGhee MB. **J Parasitol** 1981 Dec;67(6):969–70
A field strain of Haemonchus contortus showing slight resistance to rafoxanide [letter] Schröder J. **J S Afr Vet Assoc** 1981 Dec;52(4):338
Studies on cross-transmission and pathogenicity of Haemonchus contortus in white-tailed deer, domestic cattle and sheep. McGhee MB, et al. **J Wildl Dis** 1981 Jul; 17(3):353–64
Reduced activity of levamisole against Ostertagia ostertagi in dairy calves. Lyons ET, et al. **Mod Vet Pract** 1981 Nov; 62(11):847–50
The removal of inhibited early fourth stage Ostertagia ostertagi from yearling cattle by MK 933, an ivermectin formulation. Elliott DC, et al. **NZ Vet J** 1981 May; 29(5):68–9
Studies on Haemonchus contortus. IV. The effect of Trichostrongylus axei and Ostertagia circumcincta on challenge with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1981 Dec;48(4):229–34
Studies on Haemonchus contortus. V. Chemoprophylaxis and its effect on worm egg counts and the haematocrit. Reinecke RK, et al. **Onderstepoort J Vet Res** 1981 Dec; 48(4):235–8
Gastro-duodenal motor and transit disturbances associated with Haemonchus contortus infection in sheep. Bueno L, et al. **Parasitology** 1982 Apr;84(Pt 2):367–74
Specific identification of strongyle eggs in small samples of sheep faeces. Christie M, et al. **Res Vet Sci** 1982 Jan; 32(1):113–7
Population build up of gastrointestinal nematode infections in ewes and lambs on pasture grazed by calves in the previous year. Eysker M, et al. **Res Vet Sci** 1982 Mar; 32(2):203–5
Prolonged anthelmintic effect of closantel and disophenol against a thiabendazole selected resistant strain of Haemonchus contortus in sheep. Hall CA, et al. **Res Vet Sci** 1981 Jul;31(1):104–6
Investigations for anthelmintic resistance in gastrointestinal nematodes from goats. Hall CA, et al. **Res Vet Sci** 1981 Jul;31(1):116–9
Changes in the intestinal enzyme activity of lambs during chronic infection with Trichostrongylus vitrinus. Jones DG. **Res Vet Sci** 1982 May;32(3):316–23
Efficiency of oxfendazole administered as a single dose or in a controlled release capsule against benzimidazole-resistant haemonchus contortus, Ostertagia circumcincta and Trichostrongylus colubriformis. Le Jambre LF, et al. **Res Vet Sci** 1981 Nov;31(3):289–94
Termination of arrested development of the trichostrongyles of sheep in northern Nigeria. Ogunsusi RA. **Res Vet Sci** 1979 Mar;26(2):189–92
Efficacy of thiabendazole, levamisole hydrochloride and the major natural avermectins against Trichostrongylus colubriformis in the gerbil (Meriones unguiculatus). Ostlind DA, et al. **Res Vet Sci** 1981 Sep;31(2):255–6
Ostertagia ostertagi in calves: growth, nitrogen balance and digestibility studies conducted during winter feeding following different fenbendazole therapy programmes. Parkins JJ, et al. **Res Vet Sci** 1982 Jan;32(1):74–8
The influence of breed on the susceptibility of sheep of Haemonchus contortus infection in Kenya. Preston JM, et al. **Res Vet Sci** 1979 Mar;26(2):134–9
The influence of haemoglobin phenotype on the susceptibility of sheep to Haemonchus contortus infection in Kenya. Preston JM, et al. **Res Vet Sci** 1979 Mar;26(2):140–4
Observations on the infectivity and pathogenicity of three isolates of Ostertagia spp sensu lato in calves. Saqur IA, et al. **Res Vet Sci** 1982 Jan;32(1):106–12
Changes in the flow and composition of gastric lymph in sheep given a primary infection of 10,000 Haemonchus contortus. Smith WD, et al. **Res Vet Sci** 1982 Mar; 32(2):184–8
Attempts to immunise sheep against Ostertagia circumcincta with irradiated larvae. Smith WD, et al. **Res Vet Sci** 1982 Jan;32(1):101–5
Lamanema chavezi, an enterohepatic nematode of South American Camelidae and its control using levamisole. Guerrero CA, et al. **Rev Latinoam Microbiol** 1981 Apr–Jun; 23(2):121–3
Milk production of cows infected experimentally with trichostrongylid parasites. Barger IA, et al. **Vet Parasitol** 1981 Oct;9(1):69–73
Comparison between tracer calves and herbage samplings for the assessment of pasture infectivity in trichostrongylosis of cattle. Cabaret J, et al. **Vet Parasitol** 1982 Mar;10(1):65–71
Self-curve and immunity following infection and reinfection in ovine haemonchosis. Luffau G, et al. **Vet Parasitol** 1981 Oct;9(1):57–67
Quantitative studies of ovine haemonchosis. 3. The interpretation and diagnostic significance of the changes in serial egg counts of Haemonchus contortus in a sheep flock. Roberts JL, et al. **Vet Parasitol** 1982 Feb; 9(3–4):211–6
Quantitative studies of ovine haemonchosis. 2. Relationship between total worm counts of Haemonchus contortus, haemoglobin values and bodyweight. Roberts JL, et al. **Vet Parasitol** 1982 Feb;9(3–4):201–9
Study on the pathogenicity of ostertagiosis due to Ostertagia circumcincta in sheep, in Iraq. Al-Saqur IM, et al. **Vet Parasitol** 1981 Dec;9(2):133–43
The natural regulation of Trichostrongylus spp. populations in young grazing sheep. Waller PJ, et al. **Vet Parasitol** 1981 Oct;9(1):47–55
A survey of abomasal parasitism in dairy and beef cows in south-west Scotland. Bairden K, et al. **Vet Rec** 1981 Aug 22;109(8):153–5
Survey into the control of bovine ostertagiasis. Helliwell RA. **Vet Rec** 1981 Nov 7;109(19):428
Persistence of anthelmintic activity after administration of oxfendazole and levamisole hydrochloride to lambs. Kingsbury PA, et al. **Vet Rec** 1981 Aug 1;109(5):104
Passive transfer of immunity to trichostrongyle species infections in sheep. Investigations of specificity and limitations of 'transfer factor' activity with Trichostrongylus axei infections. Ross JG, et al. **Vet Res Commun** 1981 Apr;4(4):287–90
Resistance to reinfection with Haemonchus contortus in lactating and barren ewes following a single infection with larvae conditioned for inhibited development. Eysker M. **Z Parasitenkd** 1981;65(3):343–51
Infection with gastrointestinal helminths. Effect of lactation and maternal transfer of immunity. Shubber AH, et al. **Z Parasitenkd** 1981;65(2):181–9
[Haemonchosis in lambs and the prophylactic effect of anthelmintic treatment; consequences of sub-therapeutic dosage and the presence of strains of Haemonchus contortus resistant to benzimidazoles in the Netherlands (author's transl)] Eysker M, et al. **Tijdschr Diergeneeskd** 1982 Feb 15;107(4):138–41 (Eng. Abstr.) **(Dut)**
[The effects of postparturient anthelmintic treatment on ewes and their lambs (author's transl)] Vos GJ, et al. **Tijdschr Diergeneeskd** 1982 Jun 1;107(11):403–8 (Eng. Abstr.) **(Dut)**
[Immune response in sheep experimentally infected with Haemonchus contortus, Comparative study in male and female (author's transl)] Luffau G, et al. **Ann Rech Vet** 1981;12(2):173–81 (Eng. Abstr.) **(Fre)**

TRICHOSTRONGYLOSIS see under **TRICHOSTRONGYLOIDIASIS**

TRICHOTHECENES see under **SESQUITERPENES**

TRICHOTILLOMANIA see under **OBSESSIVE-COMPULSIVE DISORDER**

TRICHURIASIS

COMPLICATIONS

Eosinophilic joint effusion and intestinal nematodiasis [letter] Treusch PJ, et al. **Ann Emerg Med** 1981 Nov;10(11):614–5
[An unusual case of intestinal lymphangiectasis and massive infestation with Trichuris trichiuria with a biopsy study of the intestinal mucosa] Russo EM, et al. **Pathologica** 1981 Sep-Oct;73(1027):811–5 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Flubendazole and mebendazole in the treatment of trichuriasis and other helminthiases. Yangco BG, et al. **Clin Ther** 1981;4(4):285–90
Diagnosis and treatment of five parasites. Enterobius

vermicularis, Giardia iamblia, Trichuris trichiura, Ascaris lumbricoides, Entamoeba histolytica. Johnston TS.
Drug Intell Clin Pharm 1981 Feb;15(2):103–10
[Clinical and epidemiological efficacy of new anthelmintics in foci of ascariasis and trichuriasis] Chobanov RE, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):55–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Specific cross-immunity between Trichinella spiralis and Trichuris muris: immunization with heterologous infections and antigens and transfer of immunity with heterologous immune mesenteric lymph node cells. Lee TD, et al.
Parasitology 1982 Apr;84(Pt 2):381–9

OCCURRENCE

Intestinal parasitic infection in pre-school children in Addis Ababa. Taticheff S, et al. **Ethiop Med J** 1981 Apr; 19(2):35–40
The prevalence of Ascaris, hookworm, and Trichuris in patients attending a rural diarrhea treatment center in Bangladesh. Hossain MM, et al.
Southeast Asian J Trop Med Public Health 1981 Dec; 12(4):539–43
[A scope of soil-transmitted human intestinal helminthiasis in Chile (1970–1980) (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 1981 Jan–Jun;36(1–2):9–13 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

The early phase of tissue invasion by Trichuris muris (nematoda: Trichuroidea). Panesar TS. **Z Parasitenkd** 1981; 66(2):163–6

TRANSMISSION

[Determination of the intensity of infection transmission and of the season of mass trichocephaliasis infestation on the Apsheron Peninsula and in the area of the Greater Caucasus] Nadzhafov IG, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):35–40 (Eng. Abstr.) **(Rus)**

VETERINARY

Treatment of Trichuris suis infections in pigs with flubendazole. Thienpont D, et al. **Vet Rec** 1982 May 29; 110(22):517–20

TRICHURIS

IMMUNOLOGY

Specific cross-immunity between Trichinella spiralis and Trichuris muris: immunization with heterologous infections and antigens and transfer of immunity with heterologous immune mesenteric lymph node cells. Lee TD, et al.
Parasitology 1982 Apr;84(Pt 2):381–9

ISOLATION & PURIFICATION

Recovery of eggs of two parasitic nematodes, Ascaris sp. and Trichuris sp.: Interlaboratory study. Rude RA, et al.
J Assoc Off Anal Chem 1982 Jan;65(1):79–81
[Detection of nematode eggs in a rural environment by the Kaledin-Romanienko method] Gieryng R, et al.
Wiad Parazytol 1981;27(4–5):591–7 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The early phase of tissue invasion by Trichuris muris (nematoda: Trichuroidea). Panesar TS. **Z Parasitenkd** 1981; 66(2):163–6

TRICHUROIDEA

CLASSIFICATION

On a new species of Capillaria (Nematoda) from a bat in Kashmir. Raina MK, et al. **Angew Parasitol** 1982 Feb; 23(1):28–31
Anatrichosoma haycocki sp. n. (Nematoda: Trichuridae) from the paracloacal glands of Antechinus spp. With notes on Skrjabinocapillaria skarbilovitsch. Spratt DM.
Ann Parasitol Hum Comp 1982;57(1):63–71
Proposal of a new systematic arrangement of nematodes of the family Capillariidae. Moravec F.
Folia Parasitol (Praha) 1982;29(2):119–32

ISOLATION & PURIFICATION

An epidemiological survey of wild caught and domestic born rhesus monkeys (Macaca mulatta) for Anatrichosoma (Nematoda: Trichinellida). Ulrich CP, et al.
Lab Anim Sci 1981 Dec;31(6):726–7
[Capillaria hepatica (Bancroft, 1893) in Muridae trapped in the municipality of São Paulo, Brazil] Chieffi PP, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jul–Aug;23(4):143–6 (Eng. Abstr.) **(Por)**

TRICINE see under **GLYCINE**

TRICLOSAN see under **PHENYL ETHERS**

TRICUSPID VALVE

High-speed echophonocardiograhic detection of tricuspid valve prolapse in mitral valve prolapse with discrepancy in onset of systolic murmur. Doi YL, et al.
Am Heart J 1982 Feb;103(2):301–3
Detection of tricuspid valve prolapse [letter] Sasse L.
Am Heart J 1982 Sep;104(3):651–2
Phonographic-echographic documentation of systolic honk in triscupid prolapse. Tei C, et al. **Am Heart J** 1982 Feb; 103(2):294–5
Natural history of tricuspid valve endocarditis: a two dimensional echocardiographic study. Ginzton LE, et al.
Am J Cardiol 1982 Jun;49(8):1853–9
Atrioventricular valve replacement in the idiopathic hypereosinophilic syndrome. Harley JB, et al.
Am J Med 1982 Jul;73(1):77–81
Intracuspal hematomas in bioprosthetic valves: pathologic findings and clinical implications. Barnhart GR, et al.
Circulation 1982 Aug;66(2 Pt 2):I167–71
Thrombolytic therapy for a thrombosed Bjork-Shiley tricuspid valve prosthesis. Hellestrand KJ, et al.
Clin Cardiol 1982 May;5(5):347–50
Severe tricuspid incompetence due to endocarditis complicating a ventriculo- venous shunt. Buch J.
Neurochirurgia (Stuttg) 1981 Sep;24(5):180–1
[Myxoma of tricuspid valve. Apropos of a surgical case with a review of the literature (author's transl)] Courdier G, et al. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep;30(4):281–7 (30 ref.) (Eng. Abstr.) **(Fre)**
[Echocardiography of an operated case of a myxoma of the tricuspid valve] Courdier G, et al. **Arch Mal Coeur** 1981 Jun;74(6):747–54 (Eng. Abstr.) **(Fre)**
[Isolated endocarditis of the tricuspid valve. Unusual etiological mechanism caused by complications of heart pacemakers] Schlepper M, et al. **Med Welt** 1982 May 21; 33(20):727–31 **(Ger)**
[Tricuspid cusp prolapse syndrome] Korytnikov KI, et al. **Klin Med (Mosk)** 1981;59(7):46–50 (Eng. Abstr.) **(Rus)**
[Infectious tricuspid endocarditis. Clinical and echocardiographic study] Torino AF, et al.
Medicina (B Aires) 1981;41(5):535–42 (Eng. Abstr.) **(Spa)**
[Staphylococcal tricuspid endocarditis in a heroin addict] Gutiérrez-Palau L, et al. **Rev Esp Cardiol** 1981;34(1):81–4 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Unexpected lung scan pattern after Fontan operation for tricuspid atresia. Yousefzadeh DK, et al. **AJR** 1982 May; 138(5):958–61
Assessment of Fontan graft patency by radionuclide perfusion pulmonary scan in tricuspid atresia with previous Glenn shunt. Covitz W, et al. **Am Heart J** 1982 Jun; 103(6):1072–3
Aneurysm of the interatrial septum causing pulmonary venous obstruction in an infant with tricuspid atresia. Reder RF, et al. **Am Heart J** 1981 Oct;102(4):786–9
Tricuspid atresia in adults. Patterson W, et al.
Am J Cardiol 1982 Jan;49(1):141–52
Clinical and hemodynamic results of the Fontan operation for tricuspid atresia. Sanders SP, et al. **Am J Cardiol** 1982 May;49(7):1733–40
Straddling mitral and tricuspid valves: morphologic differences and developmental backgrounds. Wenink AC, et al. **Am J Cardiol** 1982 Jun;49(8):1959–71
New surgical approach to palliate tricuspid atresia in infants. Santalla A, et al. **Ann Thorac Surg** 1982 Mar;33(3):297–301
Straddling atrioventricular valve with absent atrioventricular connection. Report of 10 cases. Ho SY, et al.
Br Heart J 1982 Apr;47(4):344–52
Absent left atrioventricular connection with right atrium connected to morphologically left ventricular chamber, rudimentary right ventricular chamber, and ventriculoarterial discordance. Problem of mitral versus tricuspid atresia. Restivo A, et al. **Br Heart J** 1982 Sep; 48(3):240–8
Recognition of imperforate atrioventricular valves by two dimensional echocardiography. Rigby ML, et al.
Br Heart J 1982 Apr;47(4):329–36
Rest and exercise hemodynamics after the Fontan procedure. Shachar GB, et al. **Circulation** 1982 Jun;65(6):1043–8
Leaking Glenn anastomosis demonstrated by first pass radionuclide angiography. Huckell VF, et al.
Clin Nucl Med 1982 Feb;7(2):58–61
The clinical morphology of tricuspid atresia. Atresia of the right atrioventricular valve. Thiene G, et al.
G Ital Cardiol 1981;11(12):1845–59 (22 ref.)
Management of tricuspid atresia with orally administered prostaglandin E2. Coe JY, et al. **J Pediatr** 1982 Mar; 100(3):496–7
Abnormalities of the tricuspid valve in complete transposition of the great arteries with ventricular septal defect. Huhta JC, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):569–76
Tricuspid valve abnormalities in DORV with subpulmonic VSD [letter] Huhta JC, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):154–5
Modified technique for correction of tricuspid atresia. Neveux JY, et al. **J Thorac Cardiovasc Surg** 1981 Sep; 82(3):457–60
Clinical study on the abnormal flow patterns in Ebstein's anomaly using pulsed Doppler echocardiography. Ichimiya S, et al. **Jpn Heart J** 1981 Sep;22(5):715–28
Pulmonary atresia with intact ventricular septum, Ebstein's anomaly of hypoplastic tricuspid valve, and double-chamber right ventricle: two-dimensional echocardiographic-anatomic correlation. Huhta JC, et al.
Mayo Clin Proc 1982 Aug;57(8):515–9
Tricuspid atresia with polysurgery—a case report. Minami K, et al. **Nippon Geka Hokan** 1982 Mar 1;51(2):349–57
Tricuspid atresia: a historical review. Rashkind WJ.
Pediatr Cardiol 1982;2(1):85–8
Tricuspid valvular atresia [clinical conference] Kinsley RH.
S Afr J Surg 1981 Jun;19(2):151–2.
Tricuspid atresia corrected by the Fontan method. Hassoulas J, et al. **S Afr Med J** 1982 Sep 4;62(11):356–8
Fontan procedure—indication and clinical results. de Vivie ER, et al. **Thorac Cardiovasc Surg** 1981 Dec;29(6):348–54
Experiences with the Fontan operation. Eijgelaar A, et al.
Thorac Cardiovasc Surg 1982 Apr;30(2):63–8
[A straddling tricuspid valve. Repair without replacement of the valve(author's transl)] Chauvaud S, et al.
Ann Chir 1982 Feb;36(2):174–7 (Eng. Abstr.) **(Fre)**
[Multivalvular vitia in mesocardia and persistant superior vena cava] Köster O, et al. **ROFO** 1981 Sep;135(3):358–60 **(Ger)**
[Electrocardiographic and vectorcardiographic aspects of tricuspid atresia] Calabrò R, et al. **G Ital Cardiol** 1981; 11(5):569–76 (Eng. Abstr.) **(Ita)**
[Echocardiography for the evaluation of tricuspid atresia. I. Morphological analysis (author's transl)] Vitarelli A, et al. **G Ital Cardiol** 1981;11(3):321–9 (Eng. Abstr.) **(Ita)**
[Echocardiography for the evaluation of tricuspid atresia. II. Analysis of the left ventricular function (author's transl)] Vitarelli A, et al. **G Ital Cardiol** 1981;11(3):330–7 (Eng. Abstr.) **(Ita)**
[A procedure to make a tricuspid atresia in dogs (author's transl)] Katagiri M, et al. **Kyobu Geka** 1982;35(4):297–9 (Eng. Abstr.) **(Jpn)**
[Double cava-pulmonary anastomosis for the correction of tricuspid atresia] Lins MF, et al. **Arq Bras Cardiol** 1981 Feb;36(2):111–3 (Eng. Abstr.) **(Por)**
[Congenital abnormalities of the tricuspid valve and Ebstein's anomaly with pulmonary valvular stenosis] Zghaib A, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):331–9 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

[Morphological study of the valve atrioventricularis dextra: on the chordae tendineae and mm. papillares (author's transl)] Shimada H. **Nippon Ika Daigaku Zasshi** 1981 Dec; 48(6):779–89 (Eng. Abstr.) **(Jpn)**

INJURIES

Right ventricular failure in a young man after chest trauma. Bardy GH, et al. **Arch Intern Med** 1982 Mar;142(3):615–6
Tricuspid valve erosion from Swan-Ganz catheters. Ettinghausen SE, et al. **Chest** 1981 Oct;80(4):509–10
[Traumatic tricuspid insufficiency with right-left atrial shunt] Bensaid J, et al. **Arch Mal Coeur** 1982 Feb;75(2):231–7 (Eng. Abstr.) **(Fre)**
[Traumatic tricuspid insufficiency a clinical study (author's transl)] Voss H, et al. **Z Kardiol** 1982 Jan;71(1):50–3 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The tricuspid valve annulus: study of size and motion in normal subjects and in patients with tricuspid regurgitation. Tei C, et al. **Circulation** 1982 Sep;66(3):665–71
Relative AV-insufficiency—morphometric and morphologic investigation of the AV-valve apparatus. Rahlf G.
Thorac Cardiovasc Surg 1981 Dec;29(6):388–93
[Tricuspid participation in infectious endocarditis. Current aspects apropos 13 cases] Ninet J, et al.
Rev Med Interne 1981;2(4):383–92 (Eng. Abstr.) **(Fre)**
[Combination of lipomatosis of the right atrium and fibromatosis of the tricuspid valve] Baliabin AA, et al.
Arkh Patol 1981;43(8):66–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rediscovery of the tricuspid valve. Wooley CF.
Curr Probl Cardiol 1981 Apr;6(1):1–41
[Echocardiographic study of mitral and tricuspid valve openings in normal subjects (author's transl)] Hada Y, et al. **J Cardiogr** 1981 Dec;11(4):1181–91 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Partial avulsion of the tricuspid valve by tined pacing electrode. Ong LS, et al. **Am Heart J** 1981 Oct;102(4):798–9
Echocardiographic abnormalities of tricuspid valve motion in pulmonary embolism. Iwasaki T, et al. **Br Heart J** 1982 May;47(5):454–60
[Clinical evaluation of right ventricular filling characteristics in children with heart disease by phasic tricuspid flow velocity (author's transl)] Nakano H, et al.
Kokyu To Junkan 1982 Jan;30(1):59–65 (Eng. Abstr.) **(Jpn)**

SURGERY

Degeneration and calcification of bioprosthetic cardiac valves. Bioprosthetic tricuspid valve implantation in sheep.

Barnhart GR, et al. **Am J Pathol** 1982 Jan;106(1):136–9
My heart stood still. The personal case history of an anaesthetist. Goldsmith E. **Anaesthesia** 1981 Dec; 36(12):1138–42
Failure of porcine aortic and bovine pericardial prosthetic valves: an experimental investigation in young sheep. Barnhart GR, et al. **Circulation** 1982 Aug;66(2 Pt 2):I150–3
Can a mechanical heart valve be used in the tricuspid position? experience with the Björk–Shiley tilting disc valve in 70 patients. Björk VO, et al. **Eur Heart J** 1980 Feb;1(1):55–61
Tricuspid valvulectomy without prosthetic replacement. Ten years of clinical experience. Arbulu A, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):684–91
Detachment of the septal tricuspid leaflet during transatrial closure of isolated ventricular septal defect. Frenckner BP, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):773–8
Valve replacement in children. A fifteen-year perspective. Gardner TJ, et al. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):178–85
Fracture of a prosthetic tricuspid annular ring [letter] Kay HR, et al. **J Thorac Cardiovasc Surg** 1982 Apr;83(4):635
Bacterial endocarditis and renal failure in a 10-year-old boy. Schleman M, et al. **Pediatr Cardiol** 1982;2(3):259–62
Tricuspid atresia corrected by the Fontan method. Hassoulas J, et al. **S Afr Med J** 1982 Sep 4;62(11):356–8
Haemodynamic changes after tricuspid valve surgery. A recatheterization study in forty-five patients. Péterffy A, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(2):161–70
[The experiences of plication of the atrialized right ventricle for Ebstein's anomaly (author's transl)] Ihara K, et al. **Kyobu Geka** 1982;35(1):51–5 (Eng. Abstr.) **(Jpn)**
[Plastic surgery of tricuspid valve in combined rheumatic heart diseases] Semenovskiĭ ML, et al. **Grudn Khir** 1981 Sep–Oct;(5):20–4 (Eng. Abstr.) **(Rus)**
[Annuloplasty of the tricuspid ostium in the surgical treatment of rheumatic heart defects] Solov'ev GM, et al. **Kardiologiia** 1981 Nov;21(11):17–20 (Eng. Abstr.) **(Rus)**

TRICUSPID VALVE INSUFFICIENCY

CHEMICALLY INDUCED

Tricuspid valve regurgitation and lithium carbonate toxicity in a newborn infant. Arnon RG, et al. **Am J Dis Child** 1981 Oct;135(10):941–3

COMPLICATIONS

Pain, ascites in a woman with mitral stenosis. Kandel G, et al. **Hosp Pract** 1982 Jun;17(6):43–4, 51, 55, 58
Echocardiographic diagnosis of tricuspid valve endocarditis in a child with a normal heart. Special emphasis on surgical considerations. Goessler MC, et al. **Pediatr Cardiol** 1982; 2(2):141–3
[Limitations of M-mode echocardiography in evaluation of the dimensions of the right ventricle. Description of a case with massive tricuspid insufficiency] Cecchi F, et al. **Minerva Cardioangiol** 1981 Jun;29(6):335–8 (Eng. Abstr.) **(Ita)**
[A case of atypical myopathy associated with myocardial disease and tricuspid regurgitation (author's transl)] Kayanuma K, et al. **Nippon Naika Gakkai Zasshi** 1981 May 10;70(5):746–55 **(Jpn)**

DIAGNOSIS

Assessment of tricuspid regurgitation by directional analysis of right atrial systolic linear reflux echoes with contrast M-mode echocardiography. Tei C, et al. **Am Heart J** 1982 Jun;103(6):1025–30
Right ventricular failure in a young man after chest trauma. Bardy GH, et al. **Arch Intern Med** 1982 Mar;142(3):615–6
Increasing murmur in a patient with cancer. Mehlman DJ. **Arch Intern Med** 1982 Sep;142(9):1705–6
Tricuspid regurgitation and acute myocardial infarction. Silverman BD, et al. **Arch Intern Med** 1982 Jul; 142(7):1394–5
Rupture of a papillary muscle of the tricuspid valve. Echocardiographic diagnosis. Donaldson RM, et al. **Br Heart J** 1982 Sep;48(3):291–3
Non-invasive diagnosis and assessment of tricuspid regurgitation and stenosis using one and two dimensional echo-pulsed Doppler. Veyrat C, et al. **Br Heart J** 1982 Jun;47(6):596–605
Right ventriculography as a valid method for the diagnosis of tricuspid insufficiency. Ubago JL, et al. **Cathet Cardiovasc Diagn** 1981;7(4):433–41
Evaluation of combined valvular prolapse syndrome by two-dimensional echocardiography. Ogawa S, et al. **Circulation** 1982 Jan;65(1):174–80
Tricuspid regurgitation by radionuclide angiography and contrast right ventriculography: a preliminary observation. Lumia FJ, et al. **J Nucl Med** 1981 Sep;22(9):804–9
Inferior vena cava echocardiography. Meltzer RS, et al. **JCU** 1982 Feb;10(2):47–51
Detection of tricuspid regurgitation by contrast echocardiography. Amano K, et al. **Jpn Circ J** 1982 Apr; 46(4):395–401
[Traumatic tricuspid insufficiency with right-left atrial shunt] Bensaid J, et al. **Arch Mal Coeur** 1982 Feb;75(2):231–7 (Eng. Abstr.) **(Fre)**
[Two-dimensional echocardiography with contrast in tricuspid insufficiency] Grison D, et al. **Cardiology** 1981; 68 Suppl 1:75–80 **(Fre)**
[Two-dimensional contrast echocardiography of hepatic veins in the diagnosis of tricuspid regurgitation (author's transl)] Gambelli G, et al. **G Ital Cardiol** 1981;11(12):2010–6 (Eng. Abstr.) **(Ita)**
[Relationship between vascular diameter and intracardiac pressure in tricuspid or pulmonary insufficiency detected by contrast echocardiography (author's transl)] Jinbo M, et al. **J Cardiogr** 1981 Jun;11(2):457–66 (Eng. Abstr.) **(Jpn)**
[Evaluation of tricuspid regurgitation by the ultrasonic pulsed Doppler technique from a transcutaneous approach (author's transl)] Okamoto M, et al. **J Cardiogr** 1981 Sep; 11(3):727–40 (Eng. Abstr.) **(Jpn)**
[A new method of right ventriculography for diagnosing tricuspid valve insufficiency] Ubago JL, et al. **Rev Esp Cardiol** 1981;34(3):227–30 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Traumatic tricuspid insufficiency leading to a patent foramen ovale with right to left shunting [letter] Bensaid J. **Am J Cardiol** 1982 Apr 1;49(5):1367–7
Ruptured chordae tendineae of the tricuspid valve due to nonpenetrating trauma. Echocardiographic findings. Watanabe T, et al. **Chest** 1981 Dec;80(6):751–3
Severe tricuspid incompetence due to endocarditis complicating a ventriculo- venous shunt. Buch J. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):180–1
Tricuspid regurgitation caused by blunt chest trauma in association with pericardial agenesis: surgical correction after eight years. Fracasso A, et al. **Thorax** 1982 Jan; 37(1):75–6
[Heart disorders following perinatal anoxia (author's transl)] Hernandorena X, et al. **Arch Fr Pediatr** 1982 Feb; 39(2):101–4 (Eng. Abstr.) **(Fre)**
[Tricuspid insufficiency and right traumatic ventricular aneurysm. Apropos of a case] Boisselier P, et al. **Arch Mal Coeur** 1981 Dec;74(12):1465–70 (Eng. Abstr.) **(Fre)**
[Isolated endocarditis of the tricuspid valve. Unusual etiological mechanism caused by complications of heart pacemakers] Schlepper M, et al. **Med Welt** 1982 May 21; 33(20):727–31 **(Ger)**
[Isolated tricuspid valvular insufficiency due to infective endocarditis in ventricular septal defect (author's transl)] Sakaguchi K, et al. **Kokyu To Junkan** 1981 Sep; 29(9):1009–14 (Eng. Abstr.) **(Jpn)**
[Clinical conference at the Department of Thoracic Surgery, Juntendo University. 2. Case of tricuspid valve insufficiency and enlargement of the right ventricle following open heart surgery of secondary atrial septal defect: a probable case of Uhl's disease] **Kyobu Geka** 1981 Feb;34(2):153–7 **(Jpn)**
[Hyperthyroidism and tricuspid regurgitation (author's transl)] Ramos F, et al. **Med Clin (Barc)** 1982 May 16; 78(10):447–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Tricuspid regurgitation associated with mitral stenosis: a clinico-pathological study. Banerjee A, et al. **Indian Heart J** 1982 Jan–Feb;34(1):8–12

PHYSIOPATHOLOGY

The tricuspid valve annulus: study of size and motion in normal subjects and in patients with tricuspid regurgitation. Tei C, et al. **Circulation** 1982 Sep;66(3):665–71
Precordial honk in association with tricuspid valve prolapse. Iteld BJ, et al. **South Med J** 1982 Jan;75(1):72–4

RADIONUCLIDE IMAGING

Tricuspid insufficiency detected by equilibrium gated radionuclide study. Handler B, et al. **Clin Nucl Med** 1981 Oct;6(10):485–8
Quantification of isolated regurgitation by gated cardiac blood pool scan. Chevigné M, et al. **Eur J Nucl Med** 1982; 7(1):39–40

SURGERY

Valve replacement for severe tricuspid regurgitation caused by Libman-Sacks endocarditis. Laufer J, et al. **Br Heart J** 1982 Sep;48(3):294–7
Severe tricuspid incompetence secondary to florid syphilitic aortic regurgitation—successful surgical management. Pandey S, et al. **Indian Heart J** 1981 Nov–Dec; 33(6):298–300
Congenitally corrected transposition of the great arteries with tricuspid incompetence: successful treatment by xenograft valve replacement in a 15-month-old child. Ross A, et al. **Thorax** 1981 Mar;36(3):217–8
[Traumatic tricuspid insufficiency a clinical study (author's transl)] Voss H, et al. **Z Kardiol** 1982 Jan;71(1):50–3 (Eng. Abstr.) **(Ger)**
[Surgical treatment of tricuspid insufficiency after right ventriculotomy (author's transl)] Asai Y, et al. **Kyobu Geka** 1981;34(8):619–23 (Eng. Abstr.) **(Jpn)**
[Orthotopical implantation of St. Jude Medical(SJM) valvular prosthesis in a corrected transposition of great arteries with systemic atrioventricular valve regurgitation. A case report (author's transl)] Honda T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Jan;30(1):144–8 (Eng. Abstr.) **(Jpn)**
[Conservative surgical treatment in functional tricuspid insufficiency] Stolf NA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Aug;36(4):146–51 (Eng. Abstr.) **(Por)**
[Surgical treatment of acquired concomitant tricuspid valve diseases during insertion of prosthesis of the mitral valve] Amosov NM, et al. **Grudn Khir** 1981 Sep–Oct;(5):8–13 (Eng. Abstr.) **(Rus)**

VETERINARY

Congenital tricuspidal insufficiency in two young beagle (Cpb-DoBe67) dogs. Bussink GP, et al. **Z Versuchstierkd** 1981;23(5):303–4

TRICUSPID VALVE STENOSIS

COMPLICATIONS

[Calcified tricuspid endocarditis complicated by a paradoxical aortic embolism in a child (author's transl)] Chaptal PA, et al. **Ann Chir** 1982 Feb;36(2):170–3 (Eng. Abstr.) **(Fre)**

CONGENITAL

Surgical correction of congenital tricuspid stenosis. Smith MD, et al. **Ann Thorac Surg** 1982 Sep;34(3):329–32
[Reconstruction of underdeveloped right ventricle and tricuspid hypoplasia (author's transl)] Weber H, et al. **Z Kardiol** 1980 Dec;69(12):852–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Non-invasive diagnosis and assessment of tricuspid regurgitation and stenosis using one and two dimensional echo-pulsed Doppler. Veyrat C, et al. **Br Heart J** 1982 Jun;47(6):596–605
Tricuspid stenosis masquerading as right ventricular failure in a patient with a prosthetic mitral valve. Borow KM, et al. **Cathet Cardiovasc Diagn** 1981;7(4):409–15
[Differential diagnosis of relative stenosis of the tricuspid valve in combined rheumatic heart diseases] Grishkevich VM. **Grudn Khir** 1981;(6):17–21 (Eng. Abstr.) **(Rus)**
[Intravital diagnosis of triple mitral-aortic-tricuspid stenosis] Kondratchik SI, et al. **Vopr Revm** 1981 Oct–Dec;(4):61–3 **(Rus)**

ETIOLOGY

Massive hemoptysis and recurrent tricuspid infective endocarditis in a heroin addict. Successful treatment by bronchial artery embolization and valvulectomy. Silverman NA, et al. **Chest** 1982 Aug;82(2):195–6
Tricuspid stenosis secondary to entanglement of ventriculoatrial Catheter in the Valve Leaflets. Greco MA, et al. **Surg Neurol** 1982 Jul;18(1):34–6
[Right atrial myxoma with right-left shunt] Jansen W, et al. **Med Welt** 1982 Feb 26;33(8):266–70 **(Ger)**

TRICYCLIC ANTIDEPRESSIVE AGENTS see **ANTIDEPRESSIVE AGENTS, TRICYCLIC**

TRIETHYLCHOLINE see under **CHOLINE**

TRIETHYLENEMELAMINE

PHARMACODYNAMICS

Induction of specific-locus mutations in female mice by triethylenemelamine (TEM). Cattanach BM. **Mutat Res** 1982 Apr;104(1–3):173–6

TOXICITY

Mithramycin- and triethylene melamine- induced sperm abnormalities in Lakeview hamsters. Singh H, et al. **Environ Mutagen** 1982;4(3):231–7
Dominant lethality in Xenopus laevis induced with triethylenemelamine (TEM). McKinnell RG, et al. **Teratogenesis Carcinog Mutagen** 1980;1(3):283–94
Dose- and time-response relationships of triethylenemelamine-induced chromosomal aberrations in rat bone marrow cells. Levine BS, et al. **Toxicol Lett** 1982 Feb;10(2–3):281–5

TRIETHYLENETETRAMINE see under **ETHYLENEDIAMINES**

TRIETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIFLOCIN see under **NICOTINIC ACIDS**

TRIFLUBAZAM see under **BENZODIAZEPINE TRANQUILIZERS**

TRIFLUOPERAZINE

ADMINISTRATION & DOSAGE

[Clinico-pharmacological characteristics of combined administration of tranquilizing agents and other

psychotropic drugs] Aleksandrovskiĭ IuA, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):36-41 **(Rus)**

ADVERSE EFFECTS

Tardive dyskinesia in a nonpsychiatric patient due to short-term use of a neuroleptic/anticholinergic combination drug. Chouinard G, et al. **Can Med Assoc J** 1982 Apr 1;126(7):821-2

[Effect of chloropromazine and trifluoperazine on electrocardiogram--report of 99 cases (author's transl)] Xiang TW. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Nov; 14(4):226-8 **(Chi)**

BLOOD

A gas chromatographic mass spectrometric assay for plasma trifluoperazine concentrations following single doses. Midha KK, et al. **Biomed Mass Spectrom** 1982 May; 9(5):186-90

Radioimmunoassay for trifluoperazine in human plasma. Midha KK, et al. **Br J Clin Pharmacol** 1981 Aug; 12(2):189-93

Analysis of plasma trifluoperazine by gas chromatography and selected ion monitoring. Whelpton R, et al. **J Chromatogr** 1982 Mar 12;228:321-6

GLC analysis of trifluoperazine in human plasma. Javaid JI, et al. **J Pharm Sci** 1982 Jan;71(1):63-6

A GLC-nitrogen phosphorous detector assay for trifluoperazine in plasma. Roscoe RM, et al. **J Pharm Sci** 1982 Jun;71(6):625-7

IMMUNOLOGY

[Determination of antibodies to the neuroleptic triftazin] Polevaia OIu, et al. **Farmakol Toksikol** 1982 Mar-Apr; 45(2):84-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of epidermal growth factor-induced mitogenesis in bovine granulosa cells by trifluoperazine. Goyns MH, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1107-14

Inhibition of the neutrophil oxidative burst and degranulation by phenothiazines. Ochs DL, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):958-62

The effect of phenothiazine and non-phenothiazine inhibitors of calmodulin on platelet calcium fluxes. White GC 2d, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):1066-72

Effects of trifluoperazine and pimozide on stimulus-secretion coupling in pancreatic B-cells. Suggestion for a role of calmodulin? Henquin JC. **Biochem J** 1981 Jun 15; 196(3):771-80

Cyclic nucleotide phosphodiesterase of rat pancreatic islets. Effects of Ca2+, calmodulin and trifluoperazine. Sugden MC, et al. **Biochem J** 1981 Aug 1;197(2):459-64

Possible role of calcium uptake and calmodulin in adrenal glomerulosa cells: effects of verapamil and trifluoperazine. Balla T, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1267-71

The mechanism of the blockade by trifluoperazine of some actions of phenylephrine on liver and smooth muscle. Cocks TM, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2873-5

Calmodulin antagonists modulate rabbit neutrophil degranulation, aggregation and stimulated oxygen consumption. Alobaidi T, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):316-21

Effect of trifluoperazine on the stimulation by Ca2+-dependent hormones of gluconeogenesis from glutamine in isolated hepatocytes. Joseph SK, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3-4):506-11

Inhibition by calmodulin antagonists of glioblast DNA synthesis and morphological changes induced by glia maturation factor. Okumura K, et al. **Brain Res** 1982 Apr; 255(4):662-7

Calmodulin in starfish oocytes. I. Calmodulin antagonists inhibit meiosis reinitiation. Meijer L, et al. **Dev Biol** 1981 Dec;88(2):318-24

Sites of action of trifluoperazine in the inhibition of glucose-stimulated insulin release. Janjic D, et al. **Diabetes** 1981 Nov;30(11):960-6

Influence of Ca2+ and trifluoperazine on the structure of calmodulin. A 1H-nuclear magnetic resonance study. Krebs J, et al. **Eur J Biochem** 1982 Jun;124(3):619-27

Phosphate-dependent, trifluoperazine-sensitive Ca2+ efflux from rat liver mitochondria. Modulation by a cytosol factor. Fleschner CR, et al. **FEBS Lett** 1982 May 3; 141(1):45-8

The effect of Ca2+ and the trifluoperazine on the processing of human acetylated low density lipoprotein by non-parenchymal liver cells. van Berkel TJ, et al. **FEBS Lett** 1981 Sep 14;132(1):61-6

Effects of trifluoperazine on human neutrophil function. Smith RJ, et al. **Immunology** 1981 Dec;44(4):677-84

The effect of calmodulin, trifluoperazine and other psychoactive drugs on the activity of the Mn2+-dependent adenylyl cyclase (AC) in testicular germ cells. Gordeladze JO, et al. **Int J Androl** 1982 Feb;5(1):103-12

Differential effects of calmodulin antagonists on phospholipases A2 and C in thrombin-stimulated platelets. Walenga RW, et al. **J Biol Chem** 1981 Dec 10; 256(23):12523-8

Trifluoperazine inhibits phagocytosis in a macrophagelike cultured cell line. Horwitz SB, et al. **J Cell Biol** 1981 Dec; 91(3 Pt 1):798-802

Trifluoperazine inhibits spreading and migration of cells in culture. Connor CG, et al. **J Cell Physiol** 1981 Sep; 108(3):299-307

Effects of trifluoperazine and mitogenic lectins on calcium ATPase activity and calcium transport by human lymphocyte plasma membrane vesicles. Lichtman AH, et al. **J Cell Physiol** 1982 May;111(2):213-7

Effects of the calmodulin antagonist trifluoperazine on stimulus-induced calcium mobilization, aggregation, secretion, and protein phosphorylation in platelets. Feinstein MB, et al. **Mol Pharmacol** 1982 Mar;21(2):422-31

Modulation of platelet shape and membrane receptor binding by Ca2+-calmodulin complex. Kao KJ, et al. **Nature** 1981 Jul 2;292(5818):82-4

THERAPEUTIC USE

Drug management in chronic schizophrenia. Tune LE, et al. **Johns Hopkins Med J** 1982 Jan;150(1):45-8

TRIFLUOROACETIC ACID see under **FLUOROACETATES**

TRIFLUOROETHANOL see under **ALCOHOL, ETHYL**

TRIFLUOROMETHYLHYDROTHIAZIDE see **HYDROFLUMETHIAZIDE**

TRIFLUOROPERAZINE see **TRIFLUOPERAZINE**

TRIFLUOROTHYMIDINE see under **THYMIDINE**

TRIFLURALIN see under **TOLUIDINES**

TRIFTAZIN see **TRIFLUOPERAZINE**

TRIGEMINAL CAUDAL NUCLEUS see under **TRIGEMINAL NUCLEUS, SPINAL**

TRIGEMINAL NERVE

Trigeminal neuropathy in progressive systemic sclerosis. Farrell DA, et al. **Am J Med** 1982 Jul;73(1):57-62

Detection of herpes simplex virus mRNA in latently infected trigeminal ganglion neurons by in situ hybridization. Tenser RB, et al. **Ann Neurol** 1982 Mar;11(3):285-91

Trigeminal nerve neuroma simulating Tolosa-Hunt syndrome [letter] Castillo R, et al. **Arch Neurol** 1981 Oct; 38(10):671-2

Raeder's paratrigeminal syndrome. Original concept and subsequent deviations. Mokri B. **Arch Neurol** 1982 Jul; 39(7):395-9

Optic neuropathy and paratrigeminal syndrome due to Aspergillus fumigatus. Weinstein JM, et al. **Arch Neurol** 1982 Sep;39(9):582-5

Reduction of ethylnitrosourea-induced neoplastic proliferation in rat trigeminal nerves by nerve growth factor. Vinores SA, et al. **Cancer Res** 1982 Mar; 42(3):1038-40

Intracranial metastases of squamous carcinoma via the mandibular branch of the trigeminal nerve. Mattox DE, et al. **Otolaryngol Head Neck Surg** 1982 Mar-Apr; 90(2):182-4

Intracranial internal carotid artery aneurysm as a cause of Raeder's paratrigeminal syndrome. Jain DC, et al. **Surg Neurol** 1981 Nov;16(5):357-9

Subarachnoid hemorrhage due to trigeminal neurinoma. Kubota T, et al. **Surg Neurol** 1981 Aug;16(2):157-60

Case of isolated sensory trigeminal neuropathy in a dog. Carmichael S, et al. **Vet Rec** 1981 Sep 26;109(13):280-2

[Compression of the spinal trigeminal tract by pressure from the inferior posterior cerebellar artery as a cause of facial neuralgia] Mraček Z. **Rozhl Chir** 1982 Feb;61(2):116-9 (Eng. Abstr.) **(Cze)**

[Isolated sensitive neuropathy. Discussion of two cases (author's transl)] Soebert A, et al. **Acta Neurol Belg** 1982 Jan-Feb;82(1):28-37 (Eng. Abstr.) **(Fre)**

[Trigeminal neuroma in an adolescent presenting with paralysis of the lateral rectus (author's transl)] Menegalli-Boggelli D, et al. **Rev Otoneuroophtalmol** 1981 May-Jun;53(3):271-7 (Eng. Abstr.) **(Fre)**

[Blocking therapy in headaches] Delfino U. **Minerva Med** 1982 Mar 24;73(12):681-8 **(Ita)**

[Localizing significance of the Raeder syndrome] Lazzarino LG, et al. **Riv Neurobiol** 1980 Apr-Jun;26(2):163-73 (Eng. Abstr.) **(Ita)**

[Angioma of the Gasserian ganglion. Morphological and histogenetic considerations on a case] Agozzino L, et al. **Riv Neurol** 1981 Sep-Oct;51(5):287-96 (Eng. Abstr.) **(Ita)**

[A choice of two-stage operation and the microsurgical anatomy for large trigeminal neurinoma (author's transl)] Genka S, et al. **No Shinkei Geka** 1981 May;9(6):747-51 (Eng. Abstr.) **(Jpn)**

ANALYSIS

DNA of bovine herpesvirus type 1 in the trigeminal ganglia of latently infected calves. Ackermann M, et al. **Am J Vet Res** 1982 Jan;43(1):36-40

ANATOMY & HISTOLOGY

The somatotopic organization of the cat trigeminal ganglion as determined by the horseradish peroxidase technique. Marfurt CF. **Anat Rec** 1981 Sep;201(1):105-18

Stereotaxic atlas of the trigeminal ganglion in rat, cat, and monkey. Schneider JS, et al. **Brain Res Bull** 1981 Jul; 7(1):93-5

Each canine tooth projects to all brain stem trigeminal nuclei in cat. Westrum LE, et al. **Exp Neurol** 1981 Dec; 74(3):787-99

Effect of denervation of the sinuous hairs on Merkel's tactile cells in the cat. Chelyshev YuA, et al. **Neurosci Behav Physiol** 1981 Sep-Oct;11(5):509-14

CYTOLOGY

Quantitative analysis of the cells of the cat's trigeminal ganglion. Fehér E, et al. **Acta Morphol Acad Sci Hung** 1981;29(2-3):161-8

Innervation of rat molar teeth: I. Distribution of neuronal cell bodies in the trigeminal ganglion from a mandibular molar tooth. Aker FD, et al. **Anat Rec** 1981 Sep;201(1):23-9

Neurite outgrowth from murine sensory ganglia cultured in a serumless medium. Lumsden AG, et al. **Dev Neurosci** 1981;4(3):176-80

Cat trigeminal ganglion. Neuron types. An experimental study. Spassova I. **Z Mikrosk Anat Forsch** 1982; 96(2):235-44

DRUG EFFECTS

Histochemical demonstration of peripheral autonomic innervation in canine nasal mucosa by retrograde axonal transport of horseradish perioxidase. Azuma E, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb;93(1-2):139-46

Chronic dysphagia and trigeminal anesthesia after trichloroethylene exposure. Lawrence WH, et al. **Ann Intern Med** 1981 Dec;95(6):710

Supersensitivity to microiontophoretically applied dopamine and GABA in feline spinal trigeminal and hypoglossal neurons following chronic haloperidol. Felpel LP, et al. **Subst Alcohol Actions Misuse** 1980;1(5-6):473-8

[Neurotrophic ulcerations in the trigeminal region] Sorger E, et al. **Hautarzt** 1981 Aug;32(8):423-4 (Eng. Abstr.) **(Ger)**

[Complications of alcohol injection into the mandibular nerve. Gasserian palsy and oculomotor palsy (author's transl)] Fujita Y, et al. **Reg Anaesth** 1982 Apr;5(2):39-41 (Eng. Abstr.) **(Ger)**

[Effect of substance P on the ganglion trigeminale in tissue culture (author's transl)] Lindner G, et al. **Z Mikrosk Anat Forsch** 1981;95(4):607-16 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The ontogeny of substance P fibers in the mouse trigeminal nerve. Mohamed SS, et al. **Brain Res** 1982 Jul;256(3):351-5

Morphology of migrating trigeminal motor neuroblasts as revealed by horseradish peroxidase retrograde labeling techniques. Moody SA, et al. **Neuroscience** 1981; 6(9):1707-23

GROWTH & DEVELOPMENT

Order in the developing rat trigeminal nerve. Erzurumlu RS, et al. **Brain Res** 1982 Feb;255(2):305-10

Growth of nerve-cell body and myelinogenesis in mouse trigemnal ganglion and root: a combined cytofluorometric and morphometric study. Persson LA. **J Neurocytol** 1981 Apr;10(2):169-82

IMMUNOLOGY

Immediate early and early polypeptides in herpesvirus latency. Rajčáni J, et al. **Acta Virol (Praha)** 1981 Nov; 25(6):371-5

INJURIES

Trigeminal trophic syndrome. A case and review. Weintraub E, et al. **J Am Acad Dermatol** 1982 Jan;6(1):52-7

[Neurotrophic facial ulcers in trigeminal lesions. Diagnosis, etiology, differential diagnosis in 2 representative case reports] Schirner A. **MMW** 1982 May 14;124(19):468-70 **(Ger)**

METABOLISM

Substance P in trigeminal nerve endings: occurrence and release. Brodin E, et al. **Acta Physiol Scand** 1981 Apr; 111(4):501-3

Somatopetal axonal transport of fluorescent lectins: distribution pattern and cytophotometric quantification in mouse peripheral neurons. Nennesmo I, et al. **Neurosci Lett** 1981 Dec 23;27(3):243-8

A re-evaluation of the retrograde axonal transport of horseradish peroxidase isoenzymes by semi-quantitative cytochemical analysis. Chan KY, et al. **Neuroscience** 1981; 6(6):1145-55

A receptor for protons in the membrane of sensory neurons may participate in nociception. Krishtal OA, et al. **Neuroscience** 1981;6(12):2599-601

MICROBIOLOGY

Effect of acyclovir, bromovinyldeoxyuridine, vidarabine, and L-lysine on latent ganglionic herpes simplex virus in vitro. Park NH, et al. **Am J Med** 1982 Jul 20;73(1A):151-4

Effect of acyclovir on latent herpes simplex virus infections in trigeminal ganglia of mice. Klein RJ, et al. **Antimicrob Agents Chemother** 1981 May;19(5):937-9

Persistent reactivable latent herpes simplex virus infection in trigeminal ganglia of mice treated with antiviral drugs. Svennerholm B, et al. **Arch Virol** 1981;69(1):43-8

Factors affecting recovery of latent herpes simplex virus from human trigeminal ganglia. Lewis ME, et al. **Can J Microbiol** 1982 Jan;28(1):123-9

In vivo reactivation of herpes simplex virus in rabbit trigeminal ganglia: electrode model. Green MT, et al. **Infect Immun** 1981 Oct;34(1):69-74

Detection of an immediate early herpes simplex virus type 1 polypeptide in trigeminal ganglia from latently infected animals. Green MT, et al. **Infect Immun** 1981 Dec; 34(3):987-92

Neurological involvement in mice after infection with a cold-adapted herpes simplex type 2 virus. Huang DD, et al. **Infect Immun** 1982 Mar;35(3):1070-8

Effect of experimental herpes simplex virus vaccine on established ganglionic latency. Ohashi Y, et al. **Jpn J Ophthalmol** 1982;26(1):18-22

[Effect of detergent-soluble extract of virus-infected cells on preestablished herpetic latency in the trigeminal ganglia on mice. Preliminary report (author's transl)] Ohashi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10; 85(8):1090-3 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Intracranial spread of squamous carcinoma along the trigeminal nerve. Trobe JD, et al. **Arch Ophthalmol** 1982 Apr;100(4):608-11

Isolated hypertrophic interstitial neuropathy of the trigeminal nerve associated with trigeminal neuralgia. Case report of an entity not previously described. Baskin DS, et al. **J Neurosurg** 1981 Dec;55(6):987-90

Mixed connective tissue disease presenting as trigeminal neuropathy. Edmondstone WM, et al. **Postgrad Med J** 1982 Apr;58(678):237-8

[An anatomical and clinical novelty: the 'pneumatic petrous bone' and the 'petrous vacuum'. Correlations with the cryptogenic pathology of the 8th, 7th and 5th nerves. Preliminary note] Fioretti A, et al. **Minerva Med** 1982 May 12;73(20):1341-8 **(Ita)**

[Peripheral mechanisms of the pathogenesis of trigeminal neuralgia] Sabalis GI, et al. **Zh Nevropatol Psikhiatr** 1982; 82(4):25-9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Chronic pretrigeminal kitten. Zernicki B, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(6):593-603

Ocular responses to antidromic trigeminal stimulation, intracameral prostaglandin E1 and E2, capsaicin and substance P. Mandahl A, et al. **Acta Physiol Scand** 1981 Jul;112(3):331-8

Response characteristics of primary periodontal mechanoreceptive neurons in the trigeminal mesencephalic nucleus to trapezoidal mechanical stimulation of a single tooth in the rat. Amano N, et al. **Brain Res** 1982 Apr 15; 237(2):309-23

Trigeminal evoked potentials: origins in the cat. Dong WK. **Brain Res** 1982 Feb 4;233(1):205-10

Medullary proprioceptive neurons from extraocular muscles in the pigeon identified with horseradish peroxidase. Eden AR, et al. **Brain Res** 1982 Apr 8;237(1):15-21

Spinal and medullary dorsal cell axons in the trigeminal nerve in lampreys. Finger TE, et al. **Brain Res** 1982 May 27; 240(2):331-3

Behavioral and electrophysiological study of cutaneous trigeminal nerves in axolotls. I. Normal innervation and reinnervation following nerve section. Griersmith BT, et al. **Brain Res** 1981 Sep;254(2):271-85

Behavioral and electrophysiological study of cutaneous trigeminal nerves in axolotls. II. The effects of cross-anastomosis of nerves. Griersmith BT, et al. **Brain Res** 1981 Sep;254(2):287-301

Trigeminal orosensory deafferentiation disrupts feeding and drinking mechanism in the rat. Jacquin MF, et al. **Brain Res** 1982 Apr 22;238(1):198-204

Infrared sensory neurons in the trigeminal ganglia of crotaline snakes: transganglionic HRP transport. Kishida R, et al. **Brain Res** 1982 Jun 3;241(1):3-10

Synaptic basis of orbital cortically induced rhythmical masticatory activity of trigeminal motoneurons in immobilized cats. Kubo Y, et al. **Brain Res** 1981 Dec 28; 230(1-2):97-110

The properties of excitatory postsynaptic potentials evoked in trigeminal motoneurons by trigeminal nerve stimulation. Takata M, et al. **Brain Res** 1982 Jun 3;241(1):171-5

Trigeminal evoked potentials in the cat. Huang CM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul;54(1):63-70

Spinal, trigeminal, and cortical climbing fibre paths to the lateral vermis of the cerebellar anterior lobe in the cat. Andersson G, et al. **Exp Brain Res** 1981;44(1):71-81

Electrophysiological properties of neurons contained in the locus coeruleus and mesencephalic nucleus of the trigeminal nerve in vitro. Henderson G, et al. **Exp Brain Res** 1982;45(1-2):29-37

Stimulation of the cerebral peduncles modulates tooth pulp-evoked firing of trigeminal caudalis neurons. Saadé NE, et al. **Exp Neurol** 1981 Dec;74(3):930-4

Trigeminal stimulation modulates vestibular unitary activity. Petrosini L, et al. **Experientia** 1982 Mar 15;38(3):363-5

Central processing of cutaneous temperature information. Poulos DA. **Fed Proc** 1981 Dec;40(14):2825-9

Repetitive firing in trigeminal mesencephalic tract neurons and trigeminal motoneurons. Takata M, et al. **J Neurophysiol** 1982 Jan;47(1):23-30

Action of a trophic factor(s) from rabbit corneal epithelial culture on dissociated trigeminal neurons. Chan KY, et al. **J Neurosci** 1981 Oct;1(10):1155-62

Stimulus-response profile analysis: a comprehensive, quantitative approach to the study of sensory coding and information processing. Gibson JM, et al. **J Neurosci Methods** 1982 May;5(4):349-68

Sensory evoked response to electrical stimulation of the trigeminal nerve in humans. Findler G, et al. **J Neurosurg** 1982 Apr;56(4):545-9

A 'receptor' for protons in small neurons of trigeminal ganglia: possible role in nociception. Krishtal OA, et al. **Neurosci Lett** 1981 Jul 17;24(3):243-6

Chemosensitivity of rat nasal trigeminal receptors. Silver WL, et al. **Physiol Behav** 1982 May;28(5):927-31

[What is actually the course of the human masseter reflex?] Ongerboer de Visser BW. **Ned Tijdschr Geneeskd** 1981 Sep 19;125(38):1519-24 (Eng. Abstr.) **(Dut)**

[Changes in respiration following trigeminal nerve block in decerebrate cats] Glebovskiĭ VD. **Fiziol Zh SSSR** 1981 Jun; 67(6):865-72 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Diagnostic significance of cortical somatosensory evoked potentials following trigeminal nerve stimulation. Buettner UW, et al. **Adv Neurol** 1982;32:339-45

Alternate innervations of facial musculature. Parnes SM, et al. **Arch Otolaryngol** 1982 Jul;108(7):418-21

Rostral trigeminal projections signal perioral facial pain. Broton JG, et al. **Brain Res** 1982 Jul 15;243(2):395-400

Occult fifth nerve dysfunction in multiple sclerosis. Eisen A, et al. **Can J Neurol Sci** 1981 Aug;8(3):221-5

Reversible facial pain due to hydrocephalus with trigeminal somatosensory evoked response changes. Case report. Findler G, et al. **J Neurosurg** 1982 Aug;57(2):267-9

Afferent limb of the human jaw reflex: electrophysiologic and anatomic study. Ongerboer de Visser BW. **Neurology (NY)** 1982 May;32(5):563-6

Trigeminal nerve stimulation: short latency somatosensory evoked potentials. Singh N, et al. **Neurology (NY)** 1982 Jan;32(1):97-101

[Report and perspectives on the electrophysiologic study of trigemino-facial and facial reflexes in vertebrobasilar insufficiency] Martin Ruiz E, et al. **Rev Med Univ Navarra** 1981 Sep;25(3):27-9 **(Spa)**

SURGERY

The Gardner neurovascular decompression operation for trigeminal neuralgia. Rand RW. **Acta Neurochir (Wien)** 1981;58(3-4):161-6

Observation of radiofrequency trigeminal gangliolysis by stereotactic method. Modesti LM, et al. **Appl Neurophysiol** 1982;45(4-5):518-9

Cortical-evoked responses before and after percutaneous thermocoagulation of the Gasserian ganglion. Preliminary report. Salar G, et al. **Appl Neurophysiol** 1981; 44(5-6):355-62

A stereotactic frame for trigeminal ganglionectomy. Waltregny AJ. **Appl Neurophysiol** 1982;45(4-5):516-7

Indication of Gasserian ganglion coagulation for trigeminal neuralgia. Yamada S, et al. **Appl Neurophysiol** 1982; 45(4-5):508-11

Percutaneous trigeminal rhizotomy. Treatment of trigeminal neuralgia secondary to multiple sclerosis. Brett DC, et al. **Arch Neurol** 1982 Apr;39(4):219-21

Corneal anesthesia after percutaneous radiofrequency trigeminal rhizotomy. A retrospective study. Lewis RA, et al. **Arch Ophthalmol** 1982 Feb;100(2):301-3

Radiofrequency neurolysis in a clinical model [letter] Broggi G, et al. **J Neurosurg** 1982 May;56(5):738

Decompression of the posterior trigeminal root in trigeminal neuralgia. A 30-year follow-up review. Taarnhøj P. **J Neurosurg** 1982 Jul;57(1):14-7

Effect of trigeminal tractotomy on dental sensation in humans. Young RF. **J Neurosurg** 1982 Jun;56(6):812-8

Blood pressure response during percutaneous rhizotomy for trigeminal neuralgia. Kehler CH, et al. **Neurosurgery** 1982 Feb;10(2):200-2

Endoscopic section of the sensory trigeminal root, the glossopharyngeal nerve, and the cranial part of the vagus for intractable facial pain caused by upper jaw carcinoma. Oppel F, et al. **Surg Neurol** 1981 Aug;16(2):92-5

[Trigeminal trophic syndrome; clinical case] Coeckelenbergh A. **Acta Otorhinolaryngol Belg** 1981;35(2):213-4 **(Fre)**

[Controlled thermorhizotomy using the Sweet method in essential trigeminal neuralgia] Camici S, et al. **Arch E Maragliano Patol Clin** 1979;35(2):141-4 **(Ita)**

TRANSPLANTATION

Transplantation of irides or sensory ganglia to the anterior eye chamber of the rat: survival and sprouting of substance P-containing neurones. Skagerberg G, et al. **Neurosci Lett** 1982 Jan 22;28(1):29-34

ULTRASTRUCTURE

The central projections of trigeminal primary afferent neurons in the cat as determined by the tranganglionic transport of horseradish peroxidase. Marfurt CF. **J Comp Neurol** 1981 Dec 20;203(4):785-98

Diameter spectra of sensory and motor fibers in nerves to jaw-closing and jaw-opening muscles in the cat. Morimoto T, et al. **Jpn J Physiol** 1982;32(2):171-82

TRIGEMINAL NEURALGIA

Trigeminal neuralgia and other facial pains. Hart RG, et al. **Mo Med** 1981 Nov;78(11):683-93 (108 ref.)

BLOOD

[Plasma beta-endorphin and beta-lipotropin levels in patients with trigeminal neuralgia (author's transl)] Jin T, et al. **Masui** 1982 Mar;31(3):240-4 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Evaluation of endorphin content in the CSF of patients with trigeminal neuralgia before and after Gasserian ganglion thermocoagulation. Salar G, et al. **J Neurosurg** 1981 Dec; 55(6):935-7

CHEMICALLY INDUCED

[Unique case of trigeminal neuralgia arising after local anesthesia in dental treatment] De Romanis F, et al. **Minerva Stomatol** 1981 Nov-Dec;30(6):491-5 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Association of trigeminal neuralgia with multiple sclerosis: clinical and pathological features. Jensen TS, et al. **Acta Neurol Scand** 1982 Mar;65(3):182-9

Isolated hypertrophic interstitial neuropathy of the trigeminal nerve associated with trigeminal neuralgia. Case report of an entity not previously described. Baskin DS, et al. **J Neurosurg** 1981 Dec;55(6):987-90

[Trigeminal tic douloureux and giant aneurysm on a megadolichobasilar artery (author's transl)] Vallee B, et al. **Rev Otoneuroophtalmol** 1981 May-Jun;53(3):265-9 **(Fre)**

DIAGNOSIS

Chronic traumatic trigeminal neuralgia. McFarland HR. **South Med J** 1982 Jul;75(7):814-6

[Analysis of 263 cases of trigeminal neuralgia treated with surgical operation (author's transl)] Fang D. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):1-3 **(Chi)**

[Trigeminal neuralgia - diagnosis and therapy] Esser E, et al. **ZFA (Stuttgart)** 1982 Mar 10;58(7):390-7 **(Ger)**

DRUG THERAPY

Trigeminal neuralgia: time course of pain in relation to carbamazepine dosing. Tomson T, et al. **Cephalalgia** 1981 Jun;1(2):91-7

Treatment of tic douloureux by percutaneous retrogasserian glycerol injection. Lunsford LD. **JAMA** 1982 Jul 23; 248(4):449-53

Retrogasserian injection of glycerol in the treatment of trigeminal neuralgia and other facial pains [letter] Hakanson S. **Neurosurgery** 1982 Feb;10(2):300

Percutaneous glycerol treatment of trigeminal neuralgia [letter] Lunsford LD. **Neurosurgery** 1982 Feb;10(2):299-300

Long-term treatment of trigeminal neuralgia with carbamazepine. Taylor JC, et al. **Postgrad Med J** 1981 Jan; 57(663):16-8

[Neurotrophic ulcerations in the trigeminal region] Sorger E, et al. **Hautarzt** 1981 Aug;32(8):423-4 (Eng. Abstr.) **(Ger)**

[Baclofen in trigeminal neuritis] Hering R, et al. **Harefuah** 1982 Jan 15;102(2):63-4 (Eng. Abstr.) **(Heb)**

ETIOLOGY

Reversible facial pain due to hydrocephalus with trigeminal somatosensory evoked response changes. Case report. Findler G, et al. **J Neurosurg** 1982 Aug;57(2):267-9

Jaw bone cavities associated with facial pain syndromes: case reports. Mathis BJ, et al. **Milit Med** 1981 Oct; 146(10):719-23

Trigeminal sensory neuropathy due to dural external carotid cavernous sinus fistula. Rizzo M, et al. **Neurology (NY)** 1982 Jan;32(1):89-91

Trigeminal neuralgia secondary to hydrocephalus [letter] Sandyk R. **S Afr Med J** 1982 Jul 10;62(2):45

[Compression of the spinal trigeminal tract by pressure from the inferior posterior cerebellar artery as a cause of facial neuralgia] Mraček Z. **Rozhl Chir** 1982 Feb;61(2):116-9 (Eng. Abstr.) **(Cze)**

[Follow-up of unexplained trigeminal neuropathies] Kern S, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):13-24 (Eng. Abstr.) **(Ger)**

[Pathogenesis from lesions of the maxillary and mandibular

bones of idiopathic reminiscent trigeminal neuralgia] Balercia L, et al. **Minerva Stomatol** 1982 Mar-Apr; 31(2):205-9 (Eng. Abstr.) **(Ita)**

[Trigeminal neuralgia and hemifacial spasm caused by the compression of tortuous vertebro-basilar system--a case report (author's transl)] Niizuma H, et al. **No Shinkei Geka** 1981 Sep;9(10):1167-70 (Eng. Abstr.) **(Jpn)**

[Clinical manifestations and the course of odontogenic lesions of the trigeminal nerve] Grechko VE, et al. **Stomatologiia (Mosk)** 1982 Mar-Apr;(2):39-40 (Eng. Abstr.) **(Rus)**

[Peripheral mechanisms of the pathogenesis of trigeminal neuralgia] Sabalis GI, et al. **Zh Nevropatol Psikhiatr** 1982; 82(4):25-9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial trigeminal neuralgia in Charcot-Marie-Tooth disease. Testa D, et al. **J Neurol** 1981;225(4):283-7

PHYSIOPATHOLOGY

A study of the jaw reflex in two cases of Raeder's syndrome. Collosi MG, et al. **Acta Neurol (Napoli)** 1982 Feb;37(1):52-6

Correlation of brainstem evoked response with direct acoustic nerve potential. Spire JP, et al. **Adv Neurol** 1982; 32:159-67

RADIOGRAPHY

Use of ct to uncover underlying brain tumor: trigeminal neuralgia. Gorelick PB, et al. **IMJ** 1981 Oct;160(4):225-7

RADIOTHERAPY

Trigeminal neuralgia treatment by percutaneous radio-frequency rhizotomy. Galbraith JG, et al. **J Med Assoc State Ala** 1982 Mar;51(9):33-40

SURGERY

The Gardner neurovascular decompression operation for trigeminal neuralgia. Rand RW. **Acta Neurochir (Wien)** 1981;58(3-4):161-6

Corneal sensation after thermocoagulation of the trigeminal ganglion [letter] Lewis RA, et al. **Am J Ophthalmol** 1981 Sep;92(3):440-1

Percutaneous stereotactic thermocoagulation for trigeminal neuralgia. Choi CR, et al. **Appl Neurophysiol** 1982; 45(4-5):512-5

Observation of radiofrequency trigeminal gangliolysis by stereotactic method. Modesti LM, et al. **Appl Neurophysiol** 1982;45(4-5):518-9

Technique and results of 800 percutaneous radiofrequency thermocoagulations for trigeminal neuralgia. Nugent GR. **Appl Neurophysiol** 1982;45(4-5):504-7

Chronic VPM stimulation for anesthesia dolorosa following trigeminal surgery. Roldan P, et al. **Appl Neurophysiol** 1982; 45(1-2):112-3

Cortical-evoked responses before and after percutaneous thermocoagulation of the Gasserian ganglion. Preliminary report. Salar G, et al. **Appl Neurophysiol** 1981; 44(5-6):355-62

Indication of Gasserian ganglion coagulation for trigeminal neuralgia. Yamada S, et al. **Appl Neurophysiol** 1982; 45(4-5):508-11

Trigeminal neuralgia: treat but do not prolong [letter] Samuels SI, et al. **Br Med J [Clin Res]** 1981 Oct 10; 283(6297):987-8

Trigeminal neuralgia: a comparison of the results of percutaneous rhizotomy and microvascular decompression. Ferguson GG, et al. **Can J Neurol Sci** 1981 Aug;8(3):207-14

Microvascular decompression for trigeminal neuralgia. Results with special reference to the late recurrence rate. Breeze R, et al. **J Neurosurg** 1982 Oct;57(4):487-90

Radiofrequency trigeminal rhizotomy in treatment of symptomatic non-neoplastic facial pain. Broggi G, et al. **J Neurosurg** 1982 Oct;57(4):483-6

Surgical control of chronic migrainous neuralgia by trigeminal ganglio-rhizolysis. Maxwell RE. **J Neurosurg** 1982 Oct;57(4):459-66

Atypical trigeminal neuralgia in a 6-year-old boy. Case report. Roski RA, et al. **J Neurosurg** 1982 Mar;56(3):424-5

Decompression of the posterior trigeminal root in trigeminal neuralgia. A 30-year follow-up review. Taarnhøj P. **J Neurosurg** 1982 Jul;57(1):14-7

Effect of trigeminal tractotomy on dental sensation in humans. Young RF. **J Neurosurg** 1982 Jun;56(6):812-8

Treatmen of trigeminal neuralgia [letter] Shenkin HA. **JAMA** 1982 May 21;247(19):2661-2

Trigeminal neuralgia and hemifacial spasm: treatment by microvascular decompression. Rushworth RG, et al. **Med J Aust** 1982 May 15;1(10):424-6

Blood pressure response during percutaneous rhizotomy for trigeminal neuralgia. Kehler CH, et al. **Neurosurgery** 1982 Feb;10(2):200-2

Microneurosurgical treatment of trigeminal neuralgia and hemifacial spasm. Wilberger J, et al. **South Med J** 1981 Sep;74(9):1124-6

Gardner neurovascular decompression of the trigeminal and facial nerves for tic douloureux and hemifacial spasm. Rand RW. **Surg Neurol** 1981 Nov;16(5):329-32

Neurovascular decompression with selective partial rhizotomy of the trigeminal nerve for tic douloureux. Swanson SE, et al. **Surg Neurol** 1982 Jul;18(1):3-6

Bilateral trigeminal neuralgia. Velasco-Siles JM, et al. **Surg Neurol** 1981 Aug;16(2):106-8

[Analysis of 263 cases of trigeminal neuralgia treated with surgical operation (author's transl)] Fang D. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 Feb; 14(1):1-3 **(Chi)**

[Trigeminal trophic syndrome; clinical case] Coeckelenbergh A. **Acta Otorhinolaryngol Belg** 1981;35(2):213-4 **(Fre)**

[Surgery of the sphenopalatine ganglion in facial pain] Gersdorff M. **Acta Otorhinolaryngol Belg** 1981;35(1):56-62 **(Fre)**

[Microvascular decompression of trigeminal nerve in the pontine angle (author's transl)] Oberbauer RW, et al. **Nervenarzt** 1982 Feb;53(2):110-3 **(Ger)**

[The therapeutic approach to trigeminal neuralgia] Arbit E, et al. **Harefuah** 1981 Apr 15;100(8):387-9 **(Heb)**

[Controlled thermorhizotomy using the Sweet method in essential trigeminal neuralgia] Camici S, et al. **Arch E Maragliano Patol Clin** 1979;35(2):141-4 **(Ita)**

THERAPY

Somatosensory evoked potentials before and after percutaneous thermocoagulation of the Gasserian ganglion for trigeminal neuralgia. Salar G, et al. **Adv Neurol** 1982; 32:359-65

Monopolar electrical stimulation of nucleus ventroposteromedialis thalami for postherpetic facial pain. Siegfried J. **Appl Neurophysiol** 1982;45(1-2):179-84

Percutaneous trigeminal rhizotomy. Treatment of trigeminal neuralgia secondary to multiple sclerosis. Brett DC, et al. **Arch Neurol** 1982 Apr;39(4):219-21

Trigeminal neuralgia treated by the injection of glycerol into the trigeminal cistern. Håkanson S. **Neurosurgery** 1981 Dec; 9(6):638-46

Treatment of trigeminal neuralgia and other facial pains by retrogasserian injection of glycerol. Sweet WH, et al. **Neurosurgery** 1981 Dec;9(6):647-53

Problems of tic douloureux (trigeminal neuralgia) management. Keet PC. **S Afr Med J** 1982 Jan 23; 61(4):117-20

Treatment of tic douloureux: current concepts. Young HF, et al. **Va Med** 1981 Nov;108(11):718-20

[Acupuncture management of chronic facial pain. A double-blind cross-over study] Hansen PE, et al. **Ugeskr Laeger** 1981 Oct 26;143(44):2885-7 (Eng. Abstr.) **(Dan)**

[Anesthesia dolorosa in the higher ages - example of problems in therapy (author's transl)] Danke F. **Aktuel Gerontol** 1982 Jan;12(1):23-5 (Eng. Abstr.) **(Ger)**

[Observations on treatment of patients with acupuncture needles (author's transl)] Grundmann EM. **Zahn Mund Kieferheilkd** 1981;69(8):719-24 (Eng. Abstr.) **(Ger)**

[Electroacupuncture in complex treatment of neuralgia of the trigeminal nerve] Macheret EL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan-Feb;(1):46-9 **(Rus)**

TRIGEMINAL NUCLEI

ANALYSIS

[Primary trigeminal projection to the brain stem-reticular formation. Experimental study in the rat] Insausti R, et al. **Rev Med Univ Navarra** 1981 Mar;25(1):41-6 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Fiber contribution from the mesencephalic nucleus of the trigeminal nerve to the trochlear nerve in the cat: a histological quantitative study. Sherif MF, et al. **Anat Rec** 1981 Dec;201(4):669-78

Sensorimotor cortical projections to the marginal zone of the trigeminal subnucleus caudalis. Dunn RC Jr, et al. **Brain Res** 1982 Jan 28;232(1):171-6

Origin of ascending intratrigeminal pathways in the cat. Panneton WM, et al. **Brain Res** 1982 Mar 25;236(2):463-70

Projections from the spinal trigeminal nucleus to the entire length of the spinal cord in the rat. Ruggiero DA, et al. **Brain Res** 1981 Nov 30;225(2):225-33

The trigemino-olivary projection in the cat as studied with retrograde transport of horseradish peroxidase. Walberg F. **Exp Brain Res** 1982;45(1-2):101-7

Reevaluation of projections from the mesencephalic trigeminal nucleus to the medulla and spinal cord: new projections. a combined retrograde and anterograde horseradish peroxidase study. Ruggiero DA, et al. **J Comp Neurol** 1982 Apr 10;206(3):278-92

Peripheral and central distribution of fibres of the mesencephalic trigeminal root in the rat. Matesz C. **Neurosci Lett** 1981 Nov 18;27(1):13-7

Localization of masticatory motoneurons in the trigeminal motor nucleus of the guinea pig. Uemura-Sumi M, et al. **Neurosci Lett** 1982 Apr 26;29(3):219-24

Subnuclear segregation of the motor trigeminal nucleus in some ungulates. Ohkubo M. **Okajimas Folia Anat Jpn** 1981 Aug;58(3):177-94

CYTOLOGY

Trigeminal projections to the superior colliculus of the rat. Killackey HP, et al. **J Comp Neurol** 1981 Sep 10; 201(2):221-42

The ascending projection of the nucleus of the lateral descending trigeminal tract: a nucleus in the infrared system of the rattlesnake, Crotalus viridis. Stanford LR, et al. **J Comp Neurol** 1981 Sep 10;201(2):161-73

ENZYMOLOGY

Sexual dimorphism in succinic dehydrogenase staining of toad pretrigeminal nucleus. Schmidt RS. **Exp Brain Res** 1982;45(3):447-50

GROWTH & DEVELOPMENT

Order in the developing rat trigeminal nerve. Erzurumlu RS, et al. **Brain Res** 1982 Feb;255(2):305-10

METABOLISM

Immunohistochemical studies on the effect of capsaicin on spinal and medullary peptide and monoamine neurons using antisera to substance P, gastrin/CCK, somatostatin, VIP, enkephalin, neurotensin and 5-hydroxytryptamine. Jancsó G, et al. **J Neurocytol** 1981 Dec;10(6):963-80

Synthesis and release of endorphins in trigeminal sensory nuclear complex induced by tooth pulp stimulation in the rat. Yonehara N, et al. **Jpn J Pharmacol** 1982 Apr; 32(2):391-3

Differentiation of excitatory amino acid receptors in the rat caudal trigeminal nucleus: a microiontophoretic study. Salt TE, et al. **Neuropharmacology** 1982 May;21(5):385-90

MICROBIOLOGY

Studies on chronic herpetic keratitis--estimation of virus-harboring ganglion cells. Hayashi K, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(4):267-71

PATHOLOGY

Nontraumatic cerebrospinal fluid rhinorrhoea from a fistula between the trigeminal cistern and sphenoid sinus. McAllister VL, et al. **Neuroradiology** 1981;22(3):163-5

PHYSIOLOGY

Operant conditioning of trigeminal nuclear evoked potentials. Heinricher MM, et al. **Brain Res Bull** 1981 Oct;7(4):353-8

Cerebellar afferents to paramedian lobule from the trigeminal complex in Tupaia glis: a horseradish peroxidase (HRP) study. Patrick GW, et al. **J Morphol** 1982 May; 172(2):209-22

Projection of tooth pulp afferents to the brainstem and to the cortex in the cat. Keller O, et al. **Neurosci Lett** 1981 Sep 25;25(3):233-7

[Electrical properties of membranes of motor neurons innervating the masseter muscle in rats] Mikhaĭlov VV, et al. **Neirofiziologiia** 1981;13(3):270-4 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Area postrema and the mesencephalic trigeminal nucleus. Manni E, et al. **Exp Neurol** 1982 Jul;77(1):39-55

Axon morphology of mesencephalic trigeminal neurons in a snake, Thamnophis sirtalis. Dacey DM. **J Comp Neurol** 1982 Jan 20;204(3):268-79

TRIGEMINAL NUCLEUS, SPINAL

DRUG EFFECTS

The effects of capsaicin pre-treatment on the responses of single neurones to sensory stimuli in the trigeminal nucleus caudalis of the rat: evidence against a role for substance P as the neurotransmitter serving thermal nociception. Salt TE, et al. **Neuroscience** 1982 May;7(5):1141-8

Dental pain and injection of agents into the trigeminal nucleus of guinea pigs. Brentegani LG, et al. **Physiol Behav** 1982 Jan;28(1):49-52

ENZYMOLOGY

[Oblongata in the spinal trigeminal nucleus of the adult rat (author's transl)] Inomata K, et al. **No To Shinkei** 1981 Oct;33(10):1037-43 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

The corticotrigeminal projection in the cat. A study of the organization of cortical projections to the spinal trigeminal nucleus. Dunn RC Jr, et al. **Brain Res** 1982 May 20; 240(1):13-25

The encoding of thermal stimuli by diffuse noxious inhibitory controls (DNIC). Le Bars D, et al. **Brain Res** 1981 Dec 28;230(1-2):394-9

Inhibitory actions produced by local electrical stimulation in the caudal spinal trigeminal nucleus in rat. Toda K, et al. **Brain Res Bull** 1981 Aug;7(2):169-74

Capsaicin and potassium evoked substance P release from the nucleus tractus solitarius and spinal trigeminal nucleus in vitro. Helke CJ, et al. **Life Sci** 1981 Oct 26; 29(17):1779-85

Evaluation of (D-Pro2, D-Trp7,9)-substance P as an antagonist of substance P responses in the rat central

nervous system. Salt TE, et al. **Neurosci Lett** 1982 Jun 30; 30(3):291–5
[Factors responsible for generation of multiple discharges in motor neurons of the nucleus of the facial nerve in cats] **Fanardzhian VV, et al. Neirofiziologiia** 1981;13(5):520–30 (Eng. Abstr.) **(Rus)**
[Neuronal analysis of the projection of the caudal trigeminal nucleus to the nucleus of the facial nerve in cats] **Kasabian SA, et al. Neirofiziologiia** 1981;13(3):264–9 (Eng. Abstr.) **(Rus)**

TRIGGER POINTS, MYOFASCIAL see **MYOFASCIAL PAIN SYNDROMES**

TRIGLYCERIDES

Studies of the interaction between apolipoproteins A and C and triacylglycerol-rich particles. Erkelens DW, et al. **Biochim Biophys Acta** 1981 Aug 24;665(2):221–33

ADMINISTRATION & DOSAGE

Enhanced thermogenesis and diminished deposition of fat in response to overfeeding with diet containing medium chain triglyceride. Baba N, et al. **Am J Clin Nutr** 1982 Apr;35(4):678–82
Effect of high fat weanling diets containing either medium-chain triglycerides or long-chain triglycerides on the development of obesity in the Zucker rat. Turkenkopf IJ, et al. **J Nutr** 1982 Jul;112(7):1254–63
Food intake after intragastric meals of short-, medium, or long-chain triglyceride. Maggio CA, et al. **Physiol Behav** 1982 May;28(5):921–6

ANALYSIS

Effect of pasteurization and of freezing and thawing human milk on its triglyceride content. Wardell JM, et al. **Acta Paediatr Scand** 1981 Jul;70(4):467–71
Comparative evaluation of the effects of tetracycline and doxycycline on blood and liver lipids on male and female mice. Böcker R, et al. **Arzneimittelforsch** 1981; 31(12):2118–20
The estimation of liver triglyceride content by 133Xe clearance. Cooper RA, et al. **Int J Nucl Med Biol** 1982; 9(1):17–23
Triacylglycerol composition of buffalo milk fat. Arumughan C, et al. **J Dairy Res** 1982 Feb;49(1):81–5
Positional distribution of fatty acids in the triglyceride classes of milk fat. Parodi PW. **J Dairy Res** 1982 Feb;49(1):73–80
Differential diagnosis of maldigestion and malabsorption of fat. I. Comparison of the radioactivity of triglyceride and non-esterified fatty acid in fecal fat using purified 131I-triolein. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):263–71
Positional distribution of fatty acids in triglycerides from milk of several species of mammals. Parodi PW. **Lipids** 1982 Jun;17(6):437–42
[Microscopic detection of lipids in placenta and umbilical cord blood (author's transl)] Krause P, et al. **Zentralbl Gynakol** 1982;104(4):206–12 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Role of glycerol 3-phosphate and glycerophosphate acyltransferase in the nutritional control of hepatic triacylglycerol synthesis. Declercq PE, et al. **Biochem J** 1982 Apr 15;204(1):247–56
Glucagon inhibits triacylglycerol synthesis in isolated hepatocytes by lowering their glycerol 3-phosphate content. Declercq PE, et al. **Biochem J** 1982 Mar 15; 202(3):803–6
Alternative substrates for triacylglycerol synthesis in isolated adipocytes of different size from the rat. Francendese AA, et al. **Biochem J** 1981 Feb 15;194(2):377–84
Glycerolipid biosynthesis in rat adipose tissue. Influence of adipocyte size. Jamdar SC, et al. **Biochem J** 1981 Jan 15; 194(1):293–8
Effects of chronic modification of dietary fat and carbohydrate in rats. Lawson N, et al. **Biochem J** 1981 Nov 15;200(2):265–73
The activities of lipoprotein lipase and of enzymes involved in triacylglycerol synthesis in rat adipose tissue. Effects of starvation, dietary modification and of corticotropin injection. Lawson N, et al. **Biochem J** 1981 Nov 15; 200(2):285–94
Studies on the in vivo synthesis of triacylglycerol in mouse liver. Greenspan MD, et al. **Biochim Biophys Acta** 1982 Jan 15;710(1):15–22
Enzyme induction and hepatic glycerolipid synthesis in rats treated with 3-methylcholanthrene. Goldberg DM, et al. **Can J Biochem** 1981 Sep;59(9):793–8
Purification of liver cytosolic proteins that stimulate triacylglycerol synthesis. Roncari DA, et al. **Can J Biochem** 1981 Nov-Dec;59(11-12):944–50
Heterogeneity of VLDL triglyceride production by the liver and intestine. Steiner G, et al. **Can J Biochem** 1981 Aug; 59(8):637–41
Effect of insulin on acetate metabolism in chicken adipocytes. Montes R, et al. **Horm Metab Res** 1981 Dec;13(12):678–81
Intrahepatic assembly of very low density lipoproteins. Effect of fatty acids on triacylglycerol and apolipoprotein synthesis. Davis RA, et al. **J Biol Chem** 1982 Sep 25; 257(18):10908–13
Regulation of triacylglycerol synthesis in the liver. Modulation of diacylglycerol acyltransferase activity in vitro. Haagsman HP, et al. **J Biol Chem** 1982 Sep 25; 257(18):10593–8
Biosynthesis in vitro of sialosylgalactosyldiacylglycerol by mouse brain microsomes. Pieringer J, et al. **J Biol Chem** 1981 Dec 10;256(23):12306–9
Hepatic steatosis in diabetes: increased synthesis of triacylglycerol and impaired feedback regulation. Murthy VK, et al. **Trans Assoc Am Physicians** 1981;94:322–32

BLOOD

Hyperinsulinemia in patients with low fractional catabolic rate of triglycerides. Julius U, et al. **Acta Diabetol Lat** 1981 Jul-Sep;18(3):217–23
A search for stratification-free association between plasma lipids and HLA using dizygotic twins. Winata SS, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(3):213–6
Plasma lipids and lipoproteins in long-term beta-adrenergic blockade. Jürgensen HJ, et al. **Acta Med Scand** 1982; 211(6):449–52
Free fatty acids, glycerol and triglycerides during the first 24 hours in infants with a birth weight less than or equal to 2700 grams. Christensen NC. **Acta Paediatr Scand** 1981 Jul;70(4):485–90
Lipoproteins, triglycerides, cholesterol changes after prostatic carcinoma treatment. Likoyrinas M, et al. **Acta Urol Belg** 1982 Jan;50(1):114–8
Plasma testosterone, high density lipoprotein cholesterol and other lipoprotein fractions. Gutai J, et al. **Am J Cardiol** 1981 Nov;48(5):897–902
Carnitine metabolism in Macaca arctoides: the effects of dietary change and fasting on serum triglycerides, unesterified carnitine, esterified (acyl) carnitine, and beta-hydroxybutyrate. Bell FP, et al. **Am J Clin Nutr** 1982 Jul;36(1):115–21
Dietary 'meats' and serum lipids. Flynn MA, et al. **Am J Clin Nutr** 1982 May;35(5):935–42
A simplified approach to lipoprotein kinetics and factors affecting serum cholesterol and triglyceride concentrations. Hopkins PN, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2560–90 (188 ref.)
Dietary cholesterol and the plasma lipids and lipoproteins in the Tarahumara Indians: a people habituated to a low cholesterol diet after weaning. McMurry MP, et al. **Am J Clin Nutr** 1982 Apr;35(4):741–4
Serum total cholesterol, triglyceride level, and dietary intake in Japanese students aged 15 years. Ueshima H, et al. **Am J Epidemiol** 1982 Aug;116(2):343–52
The East Baltimore study. II. Familial aggregation of plasma lipid levels in juveniles in a black inner-city population. Van Natta PA, et al. **Am J Epidemiol** 1981 Sep; 114(3):385–97
Relation of serum total cholesterol and triglyceride levels to the amount and extent of coronary arterial narrowing by atherosclerotic plaque in coronary heart disease. Quantitative analysis of 2,037 five mm segments of 160 major epicardial coronary arteries in 40 necropsy patients. Cabin HS, et al. **Am J Med** 1982 Aug;73(2):227–34
Effect of drinking on correlations between biochemical variables. Whitfield JB, et al. **Ann Clin Biochem** 1981 May; 18(Pt 3):143–5
Hypertriglyceridemia associated with thrombocytopenia and lipoprotein lipase deficiency [letter] Romics L. **Ann Intern Med** 1981 Nov;95(5):660–1
Spurious elevations in glycosylated hemoglobin (HbA1) secondary to hypertriglyceridemia. Falko JM, et al. **Arch Intern Med** 1982 Jul;142(7):1370–1
Triglyceride and cholesterol metabolism in primary hypertriglyceridemia. Beil U, et al. **Arteriosclerosis** 1982 Jan-Feb;2(1):44–57
Relationship of hypertriglyceridemia to atherosclerosis. Lippel K, et al. **Arteriosclerosis** 1981 Nov-Dec;1(6):406–17
Levels and interrelationships of serum and lipoprotein cholesterol and triglycerides. Association with adiposity and the consumption of ethanol, tobacco, and beverages containing caffeine. Phillips NR, et al. **Arteriosclerosis** 1981 Jan-Feb;1(1):13–24
Oxandrolone and plasma triglyceride reduction: effect on triglyceride-rich and high density lipoproteins. Hara T, et al. **Artery** 1981;9(5):328–41
Plasma lipids and lipoproteins in Japanese male patients with coronary artery disease and in their relatives. Kukita H, et al. **Atherosclerosis** 1982 Mar;42(1):21–9
Fatty acid and glucose incorporation into human adipose tissue in non-insulin-dependent diabetes and in insulinoma. Inverse relations with plasma triglyceride and glucose concentrations. Rubba P, et al. **Atherosclerosis** 1982 Mar; 42(1):31–40
Hypolipidemic activity of guggal resin (Commiphora mukul) and garlic (Alium sativum linn.) in dogs (Canis familiaris) and monkeys (Presbytis entellus entellus Dufresne). Dixit VP, et al. **Biochem Exp Biol** 1980;16(4):421–4
Rates of triacylglycerol entry into the circulation in the lactating rat. Agius L, et al. **Biochem J** 1981 May 15; 196(2):637–40
The effect of anesthesia or restraint on triacylglycerol turnover in the rat. Krause BR, et al. **Biochim Biophys Acta** 1982 Mar 12;710(3):471–6
Intravascular metabolism of an artificial transporter of triacylglycerols. Alterations of serum lipoproteins resulting from total parenteral nutrition with Intralipid. Untracht SH. **Biochim Biophys Acta** 1982 Apr 15;711(1):176–92
The influence of 'Tigason' (Ro 10-9359) on the serum lipoproteins in man. Michaëlsson G, et al. **Br J Dermatol** 1981 Aug;105(2):201–5
Effects of moderate increases in dietary polyunsaturated: saturated fat on plasma triglyceride and cholesterol levels in man. Kraemer FB, et al. **Br J Nutr** 1982 Mar; 47(2):259–66
Lipid metabolism in pregnancy. Darmady JM, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):211–5
The relationship between plasma triglyceride concentrations and body fat content in male and female broilers--a basis for selection? Griffin HD, et al. **Br Poult Sci** 1982 Jan; 23(1):15–23
Plasma lipids, lipoproteins, and triglyceride turnover in eu- and hypo-thyroid rats and rats on a hypocaloric diet. Dory L, et al. **Can J Biochem** 1981 Aug;59(8):715–21
Plasma lipoprotein lipase and hepatic lipase activities in Friedreich's ataxia. Blache D, et al. **Can J Neurol Sci** 1982 May;9(2):191–4
Effects of bean meal on serum cholesterol and triglycerides. Lin BW, et al. **Chin Med J [Engl]** 1981 Jul;94(7):455–8
Lipid and lipoprotein pattern in thyroid dysfunction and the effect of therapy. Aviram M, et al. **Clin Biochem** 1982 Feb; 15(1):62–6
Serum triglyceride levels in uremic patients receiving polyacrylonitrile dialysis. Severini G, et al. **Clin Biochem** 1981 Apr;14(2):72–3
Signification of high density and total cholesterol and triglycerides in acute myocardial infarction — a case-control study. Thind IS, et al. **Clin Biochem** 1981 Apr; 14(2):57–60
A simple, fully enzymic bioluminescent assay for triglycerides in serum. Björkhem I, et al. **Clin Chem** 1982 Aug; 28(8):1742–4
Sample interaction (carryover) on the aca when glycol-stabilized serum is used [letter] Glick MR, et al. **Clin Chem** 1982 Aug;28(8):1821
Estimation of very-low-density lipoprotein cholesterol from data on triglyceride concentration in plasma. Wilson PW, et al. **Clin Chem** 1981 Dec;27(12):2008–10
The CII/CIII ratio of transferable apolipoprotein in primary and secondary hypertriglyceridemia. Erkelens DW, et al. **Clin Chim Acta** 1982 May 6;121(1):59–65
Preparation of reference sera with desired levels of cholesterol and triglyceride. Kuchmak M, et al. **Clin Chim Acta** 1981 Aug 10;114(2-3):127–35
Suitability of frozen and lyophilized reference sera for cholesterol and triglyceride determinations. Kuchmak M, et al. **Clin Chim Acta** 1982 Apr 8;120(2):261–71
Phospholipid enhances triglyceride quantitation using an enzyme kit methods. Patton JG, et al. **Clin Chim Acta** 1982 Jan 5;118(1):125–8
Relationship of triglyceride and cholesterol concentrations with HDL-cholesterol and risk factor values in serum. Peter F, et al. **Clin Chim Acta** 1982 Jul 15;122(3):403–7
Use of the microanalytical system KAPA for serial determinations of triglycerides, total cholesterol and HDL cholesterol in capillary plasma. Thielmann K, et al. **Clin Chim Acta** 1981 Sep;115(3):297–309
Serum lipids, postheparin plasma lipase activities and glucose tolerance in patients with prolactinoma. Pelkonen R, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):383–90
Disturbance of serum lipid metabolism in acute renal failure. Ogata F, et al. **Clin Exp Dial Apheresis** 1981;5(4):361–71
Hyperlipidemia in patients on maintenance hemo- and peritoneal dialysis: the relative pathogenetic roles of triglyceride production and triglyceride removal. Chan MK, et al. **Clin Nephrol** 1982 Apr;17(4):183–90
Studies of a variant very-low-density lipoprotein with an acquired deficiency of apolipoprotein C-II. Reckless JP, et al. **Clin Sci** 1982 Jan;62(1):93–100
Sucrose induced hypertriglyceridaemia: its mechanism and metabolic effects. V rána A, et al. **Czech Med** 1982;5(1):9–15
Fasting serum cholesterol and triglyceride values in a ten-year prospective study of the 1914-population in Glostrup, 1964-1974. Schroll M, et al. **Dan Med Bull** 1981 Dec;28(6):251–9
Diabetic hypertriglyceridemia: evidence for three clinical syndromes. Reaven GM, et al. **Diabetes** 1981;30(Suppl 2):66–75
Plasma lipids and lipoproteins in young insulin-dependent diabetic patients: relationship with control. Lopes-Virella MF, et al. **Diabetologia** 1981 Sep;21(3):216–23
Apolipoprotein C in type 2 (non-insulin-dependent) diabetic patients with hypertriglyceridaemia. Stalenhoef AF, et al. **Diabetologia** 1982 Jun;22(6):489–91
A comparison of plasma cholesterol, triglycerides, and high density lipoprotein-cholesterol in speed skaters, weightlifters and non-athletes. Farrell PA, et al. **Eur J Applied Physiol** 1982;48(1):77–82
ABO blood group associations with cardiovascular risk factor variables. I. Serum lipids and lipoproteins. The Bogalusa heart study. Fox MH, et al. **Hum Biol** 1981 Sep; 53(3):411–37
Serum triglyceride levels in newborns and mothers at parturition. Chow SN, et al. **Int J Biol Res Pregnancy** 1982; 3(1):30–2
Cord blood hypertriglyceridemia in Chinese newborns: an index of fetal distress. Chow SN, et al. **Int J Biol Res Pregnancy** 1982;3(1):33–7

Effect of oestrogen and progesterone on fasting serum cholesterol and triglyceride levels in post-menopausal women. Varma TR, et al. **Int J Gynaecol Obstet** 1982 Apr; 20(2):91–7

What happens after lipoprotein lipase? A low fatty acid incorporation into adipose tissue (FIAT) in hypertriglyceridaemia–experimental and clinical studies. Walldius G. **Int J Obes** 1981;5(6):707–16

Reversible modification of human plasma low density lipoproteins toward triglyceride-rich precursors. A mechanism for losing excess cholesterol esters. Deckelbaum RJ, et al. **J Biol Chem** 1982 Jun 10;257(11):6509–17

A plasma inhibitor of triglyceride and cholesteryl ester transfer activities. Morton RE, et al. **J Biol Chem** 1981 Dec 10;256(23):11992–5

Plasma lipid and lipoprotein changes in hypertensive patients treated with propranolol and prazosin. Gemma G, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 2:S233–7

Open assessment of the effect of prazosin on plasma lipids. Havard CW, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 2:S238–41

The biochemical effects of antihypertensive agents and the impact on atherosclerosis. Lowenstein J, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 2:S262–4

Prazosin lowers plasma triglyceride concentration in rats: a preliminary report. Reaven GM, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 2:S248–50

High-performance liquid chromatography of human serum lipoproteins: selective detection of triglycerides by enzymatic reaction. Hara I, et al. **J Chromatogr** 1982 Apr 30;239:549–57

Spouse concordance of plasma cholesterol and triglyceride. Barrett-Connor E, et al. **J Chronic Dis** 1982;35(5):333–40

Oral contraceptive and postmenopausal estrogen effects on lipoprotein triglyceride and cholesterol in an adult female population: relationships to estrogen and progestin potency. Knopp RH, et al. **J Clin Endocrinol Metab** 1981 Dec; 53(6):1123–32

Effect of gastric inhibitory polypeptide on plasma levels of chylomicron triglycerides in dogs. Wasada T, et al. **J Clin Invest** 1981 Oct;68(4):1106–7

Chenodeoxycholic acid and ursodeoxycholic acid effects in endogenous hypertriglyceridemias. A controlled double-blind trial. Carulli N, et al. **J Clin Pharmacol** 1981 Oct;21(10):436–42

Studies of endotoxin-induced decrease in lipoprotein lipase activity. Kawakami M, et al. **J Exp Med** 1981 Sep 1; 154(3):631–9

Quantitation of human apolipoprotein C-III and its subspecie by radioimmunoassay and analytical isoelectric focusing: abnormal plasma triglyceride-rich lipoprotein apolipoprotein C-III subspecie concentrations in hypertriglyceridemia. Kashyap ML, et al. **J Lipid Res** 1981 Jul;22(5):800–10

Etretinate therapy improves psoriasis but elevates serum lipids [news] Cowart VS. **JAMA** 1982 May 21; 247(19):2647–8

Visceral leishmaniasis presenting with hypertrigliceridaemia [letter] Bertoli A, et al. **Lancet** 1982 Aug 28;2(8296):504–5

Chylomicronemia syndrome. Interaction of genetic and acquired hypertriglyceridemia. Brunzell JD, et al. **Med Clin North Am** 1982 Mar;66(2):455–68 (64 ref.)

Hypertriglyceridemia: mechanisms, clinical significance, and treatment. Grundy SM. **Med Clin North Am** 1982 Mar; 66(2):519–35 (88 ref.)

Disturbances in the blood due to driving. Robinson AA. **Med Hypotheses** 1982 Apr;8(4):343–7

Triglyceride estimation in high density lipoproteins. Gibbons VB, et al. **Med Lab Sci** 1981 Jul;38(3):277–9

Comparison of serum lipids between habitually high and low active pre-adolescent males. Thorland WG, et al. **Med Sci Sports Exerc** 1981;13(5):316–21

Effects of interruption of the enterohepatic circulation of bile acids on the transport of very low density-lipoprotein triglycerides. Beil U, et al. **Metabolism** 1982 May; 31(5):438–44

Onset and development of hypertriglyceridemia in the Zucker rat (fa/fa). Boulangé A, et al. **Metabolism** 1981 Nov; 30(11):1045–52

Acute decrease in serum triglycerides with exercise: is there a threshold for an exercise effect? Cullinane E, et al. **Metabolism** 1982 Aug;31(8):844–7

Dissociation of the in vitro transfers of esterified cholesterol and triglyceride between human lipoproteins. Hopkins GJ, et al. **Metabolism** 1982 Jan;31(1):78–81

Lipoatrophic diabetes: endocrine dysfunction and the response to control hypertriglyceridemia. Soler NG, et al. **Metabolism** 1982 Jan;31(1):19–24

In search of a relationship between physiologically-induced variations in adipose tissue lipoprotein lipase activity and very low density lipoprotein kinetics in normal rats. Verschoor L, et al. **Metabolism** 1982 May;31(5):499–503

Studies on the possible function of beta 2-glycoprotein-I: influence in the triglyceride metabolism in the rat. Wurm H, et al. **Metabolism** 1982 May;31(5):484–6

The effect of short-term and prolonged fructose intake on VLDL-TG and relative properties on apo CIII1 and apo CII in the VLDL fraction in type IV hyperlipoproteinaemia. Cybulska B, et al. **Nahrung** 1982; 26(3):253–61

Hypertriglyceridemia and lipoprotein lipase activity in experimental uremia. Kraemer FB, et al. **Nephron** 1982; 30(3):274–8

Blood lipid levels in Christchurch blood donors [letter] Janus ED, et al. **NZ Med J** 1981 Aug 12;94(689):114–5

Levels of cholesterol, triglyceride, high-density lipoprotein-cholesterol and apoprotein-HDL in an Australian rural population. Marsarei JR, et al. **Pathology** 1981 Oct;13(4):725–34

Serum insulin, glucose and triglyceride response of Zucker obese and lean rats to cholecystokinin. McLaughlin CL, et al. **Physiol Behav** 1981 Jun;26(6):995–9

Severe hypertriglyceridaemia responding to insulin and nicotinic acid therapy. Smith SR. **Postgrad Med J** 1981 Aug;57(670):511–5

The effect of different antihypertensive therapies on plasma lipids. Gomez G. **Practitioner** 1982 May;226(1367):985–91

Serum lipid and lipoprotein in infants and children and their relationship with diet. Berenson GS, et al. **Prog Clin Biol Res** 1981;61:73–94

The Hamilton twin study: comparison and serum lipid levels in monozygotic and dizygotic twins by chorion type. Feinleib M, et al. **Prog Clin Biol Res** 1981;69 Pt C:149–61

The effects of differential psychological stress and infantile handling on plasma triglyceride and aortic cholesterol levels in rats. Starzec JJ, et al. **Psychosom Med** 1981 Dec; 43(6):509–18

The effect of oral hypoglycemic agents on the lipid levels in non-insulin-dependent diabetes in the young [letter] Jialal I, et al. **S Afr Med J** 1982 Sep 4;62(11):348–9

Cholesterol, triglyceride and high-density lipoprotein cholesterol levels in non-insulin-dependent diabetes in the young. Jialal I, et al. **S Afr Med J** 1982 Mar 13;61(11):393–5

The effects of labetalol and oxprenolol on blood lipids. Sommers DK, et al. **S Afr Med J** 1981 Sep 5;60(10):379–80

Enzymatic determination of serum cholesterol and triglycerides in children of South Dakota. Lemaster LA, et al. **SD J Med** 1981 Mar;24(3):5–7

Changes in serum cholesterol and triglyceride levels after jejunoileal and gastric bypasses in morbidly obese patients. Ackerman NB. **Surg Gynecol Obstet** 1982 Jan;154(1):1–7

Serum triglyceride and cholesterol contents in male rats receiving diets containing plasticizers and analogues of the ester 2-ethylhexanol. Moody DE, et al. **Toxicol Lett** 1982 Mar;10(4):379–83

[Triglycerides and nonesterified fatty acids in the early puerperium] Spasov S, et al. **Akush Ginekol (Sofiia)** 1982; 21(1):34–7 (Eng. Abstr.) **(Bul)**

[Effect of corticosterone on the triglyceride content of the blood plasma of chick embryos] al-Hassani D, et al. **Vet Med Nauki** 1981;18(8):87–93 (Eng. Abstr.) **(Bul)**

[Atherogenic lipoproteins in newborn infants] Pokorný A, et al. **Cesk Pediatr** 1981 Apr;36(4):177–81 (Eng. Abstr.) **(Cze)**

[Improved enzymatic method for determination of serum triglycerides with a centrifugal analyzer (author's transl)] Le Henaff Y, et al. **Ann Biol Clin (Paris)** 1981;39(6):333–41 (Eng. Abstr.) **(Fre)**

[Glycosylated hemoglobin and clinical estimate of the degree of control of diabetes. Relations to glycemia, cholesterolemia, triglyceridemia, duration of diabetes and retinopathy. Study of 85 children and adolescents] Dorchy H, et al. **Ann Pediatr (Paris)** 1982 May;29(5):319–26 (Eng. Abstr.) **(Fre)**

[Potentiation by clofibride of the heparin-induced clearing reaction (intravascular hydrolysis of neutral lipids), in hyperlipemic rabbits] Elsair J, et al. **C R Soc Biol (Paris)** 1982;176(2):140–5 (Eng. Abstr.) **(Fre)**

[Pseudohypertriglyceridemia due to hyperglycerolemia caused by glycerol kinase deficiency (letter)] Chanu B, et al. **Nouv Presse Med** 1982 Apr 24;11(19):1498–9 **(Fre)**

[Plasma levels of free fatty acids, triglycerides and cholesterol in acute subrenal kidney failure] Gyöngyössi G. **Acta Chir Acad Sci Hung** 1980;21(3):245–8 (Eng. Abstr.) **(Ger)**

[Serum cholesterol and triglyceride levels in a Munich population group: relations to age and sex (author's transl)] Henze K, et al. **J Clin Chem Clin Biochem** 1981 Oct; 19(10):1013–9 (Eng. Abstr.) **(Ger)**

[Disorders of glucose metabolism and manifestation of diabetes during treatment of endogenous hypertriglyceridemias (author's transl)] Vogelberg KH, et al. **MMW** 1981 Nov 27;123(48):1862–6 (Eng. Abstr.) **(Ger)**

[Effect of oral lecithin administration on plasma cholesterol and triglyceride levels in elderly subjects] Wirths W, et al. **MMW** 1982 Feb 5;124(5):95–7 **(Ger)**

[Blood lipid values--evaluation of risk] Henze K. **Off Gesundheitswes** 1981 Sep;43(9):423–5 **(Ger)**

[High-density-lipoprotein and renal insufficiency (author's transl)] Graf H, et al. **Wien Klin Wochenschr** 1982 Jan 22; 94(2):39–41 (Eng. Abstr.) **(Ger)**

[Serum triglycerides and cholesterin in patients with skin diseases during oral treatment with aromatic retinoid (author's transl)] Gollnick H, et al. **Z Hautkr** 1981 Sep 15;56(18):1183–96 (Eng. Abstr.) **(Ger)**

[HDL-cholesterol as an indicator of atherogenic risk in healthy women of advanced age] Battista P, et al. **Boll Soc Ital Biol Sper** 1981 Jul 30;57(14):1551–4 (Eng. Abstr.) **(Ita)**

[Evaluation of aldosterone, corticosterone, glucose and triglyceride blood levels in pregnant rats fed a high protein diet] Greco AM, et al. **Boll Soc Ital Biol Sper** 1982 Feb; 58(3–4):115–20 (Eng. Abstr.) **(Ita)**

[The Brisighella study. II. Metabolic risk factors] Descovich GC, et al. **G Ital Cardiol** 1982;11(11):1591–603 (20 ref.) (Eng. Abstr.) **(Ita)**

[Chromium and diabetes. Relationships to serum levels of cholesterol, triglycerides and lipoproteins] Vecchi C, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):49–53 (Eng. Abstr.) **(Ita)**

[Determination of serum triglyceride using 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole (II)] Fujiwara M, et al. **Rinsho Byori** 1981 Nov;29(11):1151–5 **(Jpn)**

[The evaluation and the results of cooperative cholesterol and triglyceride standardization program by WHO-CDC (author's transl)] Nakamura M, et al. **Rinsho Byori** 1982 Mar;30(3):325–32 **(Jpn)**

[Data control of individual samples in analysis of serum lipids – (I). Concepts of the regression method (author's transl)] Todoroki T, et al. **Rinsho Byori** 1981 Nov;29(11):1130–5 **(Jpn)**

[Insulinemia in hypertriglyceridemia caused by long-term carbohydrate-rich diet] Młyński J. **Kardiol Pol** 1981; 24(9):611–7 (Eng. Abstr.) **(Pol)**

[Changes in blood biochemical parameters during physical exercise and recovery after prior diazepam administration] Markiewicz K, et al. **Med Pr** 1980;31(6):435–41 (Eng. Abstr.) **(Pol)**

[Effects of probucol on plasma cholesterol and triglyceride levels] Duarte GM, et al. **Arq Bras Cardiol** 1981 Nov; 37(5):431–7 (Eng. Abstr.) **(Por)**

[Evaluation of the effect of probucol on blood lipids] Giannini SD, et al. **Arq Bras Cardiol** 1981 Feb;36(2):139–42 (Eng. Abstr.) **(Por)**

[Serum triglycerides and atherogenic diet. Effect of thyroid hormones] Vasiliu G, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr-Jun;85(2):337–40 **(Rum)**

[Simultaneous determination of the cholesterol and triglyceride content of the blood plasma by infrared spectroscopy] Balakhovskiĭ IS, et al. **Lab Delo** 1982; (5):281–5 (Eng. Abstr.) **(Rus)**

[Standard solution for determining blood serum triglycerides] Symshliaeva VI, et al. **Lab Delo** 1981;(11):659–61 (Eng. Abstr.) **(Rus)**

[Hemodynamics and oxygen supply after physical exertion in ischemic heart disease as related to blood cholesterol and triglyceride levels] Ianovskiĭ GV, et al. **Ter Arkh** 1981; 53(8):34–8 (Eng. Abstr.) **(Rus)**

[Incidence of hyperglycemia among men 40–59 years of age and its correlation with various indicators of the lipid spectrum of the blood] Lipovetskiĭ BM, et al. **Ter Arkh** 1982;54(2):134–6 (Eng. Abstr.) **(Rus)**

[Blood lipids and lipoproteins in patients with ischemic heart disease without hyperlipoproteinemia] Tokarskaia ZB, et al. **Ter Arkh** 1982;54(5):43–6 **(Rus)**

[Total lipid, triglyceride and cholesterol in psoriasis] Vedrova IN, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):4–6 **(Rus)**

[Effect of antiatherosclerosis diet with different total caloric value on the level of high density lipoproteins cholesterol in patients with ischemic heart disease] Samsonov MA, et al. **Vopr Pitan** 1981 Sep-Oct;(5):15–20 **(Rus)**

[Dependence of serum cholesterol and triglyceride concentration on the level of vitamin C in leukocytes in healthy subjects (author's transl)] Cerná O, et al. **Bratisl Lek Listy** 1981 Mar;75(3):322–6 (Eng. Abstr.) **(Slo)**

[Effect of vascular hydrostatic pressure on the plasma concentrations of HDL-cholesterol, LDL-cholesterol and triglycerides in healthy subjects] Rodriguez Portillo M, et al. **Rev Clin Esp** 1981 Aug 15–31;162(3–4):111–4 (Eng. Abstr.) **(Spa)**

[Effect of chenodesoxycholic acid on serum lipids and enzymes (transaminases) in patients with biliary lithiasis] Bataller Sifre R, et al. **Rev Esp Enferm Apar Dig** 1982 Feb; 61(2):141–4 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

A mixed-triglyceride breath test for intraluminal fat digestive activity. Ghoos YF, et al. **Digestion** 1981;22(5):239–47

Diagnosis and differentiation of fat malabsorption in children using 13C-labeled lipids: trioctanoin, triolein, and palmitic acid breath tests. Watkins JB, et al. **Gastroenterology** 1982 May;82(5 Pt 1):911–7

GENETICS

[Pedigree analysis of lipids in Moscow population] Bubnov IuI, et al. **Ter Arkh** 1981;53(11):6–10 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation and characterization of an ether-linked homoserine lipid from the thylakoid membrane of Chlamydomonas reinhardtii 137+. Janero DR, et al. **J Lipid Res** 1982 Feb; 23(2):307–16

High performance reversed-phase chromatography of the triglycerides from human plasma lipoproteins. Perkins EG, et al. **Lipids** 1982 Jun;17(6):460–3

High-performance liquid chromatography of triglycerides. Plattner RD. **Methods Enzymol** 1981;72:21–34

METABOLISM

Endogenous triacylglycerol metabolism in diabetic heart. Paulson DJ, et al. **Am J Physiol** 1982 Jun;242(6):H1084–94

The short- and long-term effects of bezafibrate in the rat. Fahimi HD, et al. **Ann NY Acad Sci** 1982;386:111–35

Triglyceride and cholesterol metabolism in primary hypertriglyceridemia. Beil U, et al. **Arteriosclerosis** 1982 Jan–Feb;2(1):44–57

Effects of phenobarbital upon triacylglycerol metabolism in the rabbit. Goldberg DM, et al. **Biochem J** 1980 Oct 15; 192(1):165–75

Triacylglycerol metabolism in the phenobarbital-treated rat. Goldberg DM, et al. **Biochem J** 1981 Apr 15;196(1):337–46

Possible role of lipoprotein lipase in the regulation of endogenous triacylglycerols in the rat heart. Palmer WK, et al. **Biochem J** 1981 Jul 15;198(1):159–66

The effect in vitro of high-density lipoprotein on hydrolysis of triacylglycerol by lipoprotein lipase. Rogers MP, et al. **Biochem J** 1981 Nov 15;200(2):453–6

The effects of insulin and glucagon on the release of triacylglycerols by isolated rat hepatocytes are mere reflections of the hormonal effects on the rate of triacylglycerol synthesis. Beynen AC, et al. **Biochim Biophys Acta** 1981 Jul 24;665(1):1–7

Lipid absorption in unanesthetized, unrestrained rats. Effects of 4-aminopyrazolopyrimidine and ethinyl estradiol. Krause BR, et al. **Biochim Biophys Acta** 1981 Jul 24; 665(1):165–9

Measurement of the binding of human colipase to human lipase and lipase substrates. Sternby B, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):193–5

Metabolism of cytoplasmic triacylglycerol in cultured aortic smooth muscle cells. Stein O, et al. **Can J Biochem** 1981 Aug;59(8):662–7

Turnover and transport of plasma very-low-density lipoprotein triglycerides in mice bearing Ehrlich ascites carcinoma. Lyon I, et al. **Cancer Res** 1982 Jan;42(1):132–8

Liver lipid disposal following t-butanol administration to rats. Beaugé F, et al. **Chem Biol Interact** 1981 Dec; 38(1):45–51

Digestion and absorption of a sulphoxide analogue of triacylglycerol in the rat. Akesson B, et al. **Chem Phys Lipids** 1981 Dec;29(4):341–9

(omega-1)-Hydroxymonocarboxylic acids in urine of infants fed medium-chain triglycerides. Shigematsu Y, et al. **Clin Chem** 1981 Oct;27(10):1661–4

Human postheparin plasma hepatic lipase activity against triacylglycerol and phospholipid substrates. Kuusi T, et al. **Clin Chim Acta** 1982 Jun 16;122(1):39–45

The endothelium, triglyceride-rich lipoproteins, and atherosclerosis: insights from cell biology and lipid metabolism. Fielding CJ. **Diabetes** 1981;30(Suppl 2):19–23

Intestinal absorption of triglyceride and vitamin D3 in aged and young rats. Holt PR, et al. **Dig Dis Sci** 1981 Dec; 26(12):1109–15

Triglyceride and cholesterol ester metabolism of rat 1 cells and Rous sarcoma virus-transformed rat 1 cells. Engeser H. **Exp Cell Res** 1982 Jun;139(2):396–400

The action of S-adenosyl-L-methionine on the levels of triglyceride and phospholipid precursors in ethanol-intoxicated rat liver. Palmerini CA, et al. **Farmaco [Sci]** 1981 Nov;36(11):942–6

The role of cardiac lysosomal lipases in triacylglycerol cleavage. Aupècle P, et al. **FEBS Lett** 1982 Jul 19; 144(1):93–6

Lipolysis of hepatic triacylglycerol stores. Debeer LJ, et al. **FEBS Lett** 1982 Apr 19;140(2):159–64 (61 ref.)

Substrate changes during fasting and refeeding contrasted in old and young rats. Poland JL, et al. **Gerontology** 1982; 28(2):99–103

Muscle LPL activity, plasma and muscle triglycerides in trained thyroidectomized rats. Kaciuba-Uściłko H, et al. **Horm Metab Res** 1981 Dec;13(12):688–90

Lipoprotein lipase hydrolyzes endogenous triacylglycerols in muscle of exercised rats. Oscai LB, et al. **J Appl Physiol** 1982 Apr;52(4):1059–63

Chylomicron triglyceride metabolism in resting and exercising fed dogs. Terjung RL, et al. **J Appl Physiol** 1982 Apr;52(4):815–20

Formation and turnover of triglyceride-rich vesicles in the chick liver cell. Effects of cAMP and carnitine on triglyceride mobilization and conversion to ketones. Mooney RA, et al. **J Biol Chem** 1981 Nov 25; 256(22):11724–33

Site differences in the basal metabolism of subcutaneous fat in obese women. Arner P, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):948–52

Hydrolysis of milk fat globules by pancreatic lipase. Role of colipase, phospholipase A2, and bile salts. Borgström B, et al. **J Clin Invest** 1982 Jul;70(1):30–2

Hypertriglyceridemic very low density lipoproteins induce triglyceride synthesis and accumulation in mouse peritoneal macrophages. Gianturco SH, et al. **J Clin Invest** 1982 Jul; 70(1):168–78

Differing uptake of emulsion triglyceride by the fed and fasted rat liver. Quarfordt SH, et al. **J Clin Invest** 1982 May;69(5):1092–8

Triacylglycerol turnover in large and small rat adipocytes: effects of lipolytic stimulation, glucose, and insulin. May JM. **J Lipid Res** 1982 Mar;23(3):428–36

Studies on fat digestion, absorption, and transport in the suckling rat. II. Triacylglycerols: molecular species, stereospecific analysis, and specificity of hydrolysis by lingual lipase. Staggers JE, et al. **J Lipid Res** 1981 May; 22(4):675–9

Effects of dietary cholesterol and type of dietary carbohydrate on hepatic and plasma glycerides and phospholipids in the gerbil. Andersen DB, et al. **J Nutr** 1982 Jul;112(7):1425–36

Effects of Okinawan sugar cane rind on serum and liver cholesterol and triglyceride levels in the rat. Sho H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):463–70

Use of estrogen-treated rats as a bioassay for evaluating catabolism of very low density lipoproteins. Verschoor L, et al. **Metabolism** 1982 Jul;31(7):699–700

Hydrolysis of vegetable oils and triglycerides by thermotolerant and zoopathogenic species of Aspergillus from Nigerian palm produce. Ogundero VW. **Mycopathologia** 1982 Jan 15;77(1):43–6

Metabolism of triacylglycerol in developing rat brain. Cook HW. **Neurochem Res** 1981 Nov;6(11):1217–29

Subcutaneous adipose tissue blood flow and triacylglycerol-mobilization during prolonged exercise in dogs. Bülow J. **Pflugers Arch** 1982 Jan;39_(3):230–4

Short-term regulation of hepatic triacylglycerol metabolism by insulin and glucagon. Beynen AC, et al. **Vet Res Commun** 1982 May;5(3):223–36 (41 ref.)

[Effect of long-time supply of medium-chain triglycerides on postprandial lipid metabolism and fatty acid pattern of membrane lipids in rats] Levaček MM, et al. **Nahrung** 1982; 26(1):77–87 (Eng. Abstr.) **(Ger)**

[Correlation between lipids, especially HDL-cholesterol, and increasing alcohol consumption] Lindner J, et al. **Z Gesamte Inn Med** 1981 Dec 15;36(24):979–81 (Eng. Abstr.) **(Ger)**

[Fatty acid composition of triglycerides in inflammatory liver diseases in diabetics with and without hyperlipoproteinemia] Singer P, et al. **Z Gesamte Inn Med** 1981 Aug 1;36(15):513–9 (Eng. Abstr.) **(Ger)**

[Triglyceride storage diseases] Paluszak J. **Pol Arch Med Wewn** 1981 Sep;66(3):231–35 (29 ref.) **(Pol)**

[Types of triglyceridase in the pig aorta] Iusupova GI. **Biull Eksp Biol Med** 1981 Nov;92(11):554–5 (Eng. Abstr.) **(Rus)**

[Effect of adrenergic stimulation of cardiac activity on myocardial consumption of free fatty acids and triglycerides] Gereliuk IP. **Fiziol Zh SSSR** 1981 Jul; 67(7):1035–9 **(Rus)**

PHARMACODYNAMICS

Rapid inhibition of lipogenesis in vivo in lactating rat mammary gland by medium- or long-chain triacylglycerols and partial reversal by insulin. Agius L, et al. **Biochem J** 1980 Oct 15;192(1):361–4

Dietary trilinoelaidate: effects on metabolic parameters related to EFA metabolism in rats. Bruckner G, et al. **J Nutr** 1982 Jan;112(1):126–35

The effects of dietary trilinoelaidin on fatty acid and acyl desaturases in rat liver. Shimp JL, et al. **J Nutr** 1982 Apr; 112(4):722–35

Effect of maternal triglyceride ingestion on fetal respiratory movements. Neldam S, et al. **Obstet Gynecol** 1982 May; 59(5):641–2

SECRETION

Effects of intravenous versus intragastric glucose pretreatment on triglyceride secretion by perfused livers of fed rats. Semple DJ, et al. **Can J Biochem** 1981 Aug; 59(8):580–5

Increased secretion of very low density lipoprotein triglyceride following inhibition of long chain fatty acid oxidation in isolated rat liver. Ide T, et al. **J Biol Chem** 1981 Oct 25;256(20):10247–55

Effects of insulin and glucose on very low density lipoprotein triglyceride secretion by cultured rat hepatocytes. Durrington PN, et al. **J Clin Invest** 1982 Jul;70(1):63–73

Secretion of cholesterol, triglyceride and apolipoprotein A-I by isolated perfused liver from rats fed soybean protein and casein or their amino acid mixtures. Sugano M, et al. **J Nutr** 1982 May;112(5):855–62

THERAPEUTIC USE

Use of medium-chain triglycerides in feeding the low-birth-weight infant. Okamoto E, et al. **Am J Dis Child** 1982 May;136(5):428–31

Monitoring octanoic and decanoic acids in plasma from children with intractable epilepsy treated with medium-chain triglyceride diet. Haidukewych D, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):642–5

TRIHEXOSYLCERAMIDES see under **GLYCOSPHINGOLIPIDS**

TRIHEXYPHENIDYL

Trihexyphenidyl abuse. Mohan D, et al. **Br J Addict** 1981; 76(2):195–7

Trihexyphenidyl (Artane) abuse: euphoriant and anxiolytic. Kaminer Y, et al. **Br J Psychiatry** 1982 May;140:473–4

PHARMACODYNAMICS

Anti-cholinergic drugs and memory: the effects of benzhexol on memory in a group of geriatric patients. Potamianos G, et al. **Br J Psychiatry** 1982 May;140:470–2

THERAPEUTIC USE

Antiparkinsonian medication in depressed schizophrenics on depot neuroleptics [letter] Bennie EH. **Br J Psychiatry** 1982 Feb;140:210

TRIHYDROXYPREGNADIENES see **PREGNADIENETRIOLS**

TRIIODOBENZOIC ACIDS see under **IODOBENZOATES**

TRIIODOTHYRONINE

The crystal structure of a major metabolite of thyroid hormone: 3,3',5'-triiodo-L-thyronine. Okabe N, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):179–81

T3 hyperthyroidism and thyroid cancer. Kruter RH, et al. **Clin Endocrinol (Oxf)** 1982 Feb;16(2):121–5

ADMINISTRATION & DOSAGE

Liposome carrier vehicle for triiodothryonine. Fountain MW, et al. **Clin Exp Pharmacol Physiol** 1982 Jan–Feb;9(1):101–5

Relative ineffectiveness of exogenous triiodothyronine as a thyroid suppressive agent. Koutras DA, et al. **J Endocrinol Invest** 1981 Jul–Sep;4(3):343–7

Dependency of tricyclic antidepressant efficacy on thyroid hormone potentiation: case studies. Swartz CM. **J Nerv Ment Dis** 1982 Jan;170(1):50–2

Intraamniotic triiodothyronine instillation for prevention of respiratory distress syndrome in pregnancies complicated by hypertension. Schreyer P, et al. **J Perinat Med** 1982; 10(1):27–33

ANALOGS & DERIVATIVES

Production of cardiac muscle abnormalities in offspring of rats receiving triiodothyroacetic acid (triac) and the effect of beta adrenergic blockade. Hawkey CM, et al. **Cardiovasc Res** 1981 Apr;15(4):196–205

Synthesis of glycosylated triiodothyronine in vitro. Oimomi M, et al. **Endocrinol Jpn** 1981 Jun;28(3):277–9

Photoaffinity labeling of thyroid hormone nuclear receptors in intact cells. Pascual A, et al. **J Biol Chem** 1982 Aug 25;257(16):9640–7

[Effects of 3,5,3'-triiodothyroacetic acid (TRIAC) on protein metabolism of genetically obese or non-obese Zucker rats] Dumas P, et al. **C R Soc Biol (Paris)** 1982;176(2):178–83 (Eng. Abstr.) **(Fre)**

ANALYSIS

Simultaneous detection of thyroglobulin (Tg), thyroxine (T4), and Triiodothyronine (T3) in nontoxic thyroid tumors by the immunoperoxidase method. Kawaoi A, et al. **Am J Pathol** 1982 Jul;108(1):39–49

Identification of iodotyrosines and some iodothyronines as dimethylaminoazobenzenethiohydantoin derivatives. Application to the sequencing of iodoamino acid containing peptides. Marriq C, et al. **Anal Biochem** 1981 Sep 1; 116(1):89–92

Radioimmunoassay of thyroxine and 3,3',5'-triiodothyronine (reverse T3) in human amniotic fluid. Cooper E, et al. **Clin Chim Acta** 1982 Jan 5;118(1):57–66

Ontogenesis of placental inner ring thyroxine deiodinase and amniotic fluid 3,3',5'-triiodothyronine concentration in the rat. Roti E, et al. **Endocrinology** 1982 Sep;111(3):959–63

External quality control for T3 and T4 assays in Italy: outline of the scheme and results of the first semester experience. Pilo A, et al. **J Nucl Med Allied Sci** 1981 Jul–Sep; 25(3):107–18

[Assay of protein and thyroid hormone concentrations in hemofiltrate (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1982 Feb;21(1):42–5 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Autoregulation of 3, 3',5'-triiodothyronine production by rat liver microsomes. Kaminski T, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):240–5

Structure-activity relationships of inhibition of hepatic monodeiodination of thyroxine to 3,5,3'-triiodothyronine by thiouracil and related compounds. Chopra IJ, et al. **Endocrinology** 1[illegible] Jan;110(1):163–8

Preferential inhibition of thyroxine and 3,5,3'-triiodothyronine formation by propylthiouracil and methylmercaptoimidazole in thyroid peroxidase-catalyzed iodination of thyroglobulin. Engler H, et al. **Endocrinology** 1982 Jan;110(1):190–7

Effect of sulfhydryl reagents on the conversion of thyroxine to 3,5,3'-triiodothyronine: direct action on thyroxine molecules. Ozawa Y, et al. **Endocrinology** 1982 Jan; 110(1):241–5

Evidence for two tissue-specific pathways for in vivo thyroxine 5'-deiodination in the rat. Silva JE, et al. **J Clin Invest** 1982 May;69(5):1176–84

Production of thyroxine (T4) and triiodothyronine (T3) in nontoxic thyroid tumors. An immunohistochemical study. Kawaoi A, et al. **Virchows Arch [Pathol Anat]** 1981; 390(3):249–57

[Interference in the conversion of T4 to T3 and rT3 by medications in man] Burger AG, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):461–9 (Eng. Abstr.) **(Fre)**

[Modulation of T4 to T3 conversion. Comparative aspects (author's transl)] Leloup I, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):454–60 (Eng. Abstr.) **(Fre)**

BLOOD

Effects of fasting on thyroid hormone levels and kinetics of reverse triiodothyronine in cattle. Blum JW, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):234–9

Responses to TRH, T3 suppression tests and histological findings by needle biopsy in patients with simple goitre in Japan. Fukino O, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):231–6

Male fertility and thyroid hormones. Abbaticchio G, et al. **Acta Eur Fertil** 1981 Sep;12(3):255–60 **(Eng, Ita)**

Plasma corticosterone, thyroxine and triiodothyronine level in the collared dove (Streptopelia decaocto) during the reproductive cycle. Péczely P, et al. **Acta Physiol Acad Sci Hung** 1980;56(4):421–30

Influence of surgery and experimental myocardial infarction on blood levels of free fatty acids and triiodothyronine in dogs. Wasilewska-Dziubińska E, et al. **Acta Physiol Pol** 1981 May–Jun;32(3):283–91

Incidence of hypothyroidism after 131I therapy for hyperthyroidism. Relation to pretherapy serum levels of T3, T4 and thyroid antibodies. Lundell G, et al. **Acta Radiol [Oncol]** 1981;20(4):225–30

Effects of anesthesia and surgery on plasma triiodothyronine concentrations in man. Matsuki A, et al. **Agressologie** 1981; 22(5):225–9

Euthyroid familial hyperthyroxinemia due to abnormal thyroid hormone-binding protein. Borst GC, et al. **Am J Med** 1982 Aug;73(2):283–9

Triiodothyronine thyrotoxicosis complicating primary hypothyroidism in a patient with autoimmune thyroiditis. Kohut WD, et al. **Am J Med** 1982 May;72(5):843–6

Hyperthyroxinemia in patients with acute psychiatric disorders. Spratt DI, et al. **Am J Med** 1982 Jul;73(1):41–8

Serum thyroxine and triiodothyronine concentrations in neonatal foals and mature horses. Chen CL, et al. **Am J Vet Res** 1981 Aug;42(8):1415–7

Comparison of Amerlex, NML, and Ames total thyroxine and triiodothyronine radioimmunoassay kits. Wilke TJ, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):104–7

Characterization of an automated radioimmunoassay for T4, T3, T3 U, and FTI. Valdes R Jr, et al. **Ann Clin Lab Sci** 1982 Jan–Feb;12(1):42–50

Plasma levels of thyroxine and triiodothyronine in women with breast cancer. Zumoff B, et al. **Anticancer Res** 1981; 1(5):287–91

The rate of total triiodothyronine to thyroxine-binding globulin as an index of free triiodothyronine in human serum. Fresco G, et al. **Arch E Maragliano Patol Clin** 1979; 35(2):121–8

Chemical hyperthyroidism: serum triiodothyronine levels in clinically euthyroid individuals treated with levothyroxine. Salmon D, et al. **Arch Intern Med** 1982 Mar;142(3):571–3

Hormonal status in the newborn lamb (cortisol, T3, T4). Relationships to the birth weight and the length of gestation: effect of the litter size. Cabello G, et al. **Biol Neonate** 1981;39(3–4):208–16

Sequential observation of changes in thyroxine, triiodothyronine and reverse triiodothyronine during the postnatal adaptation of the pig. Slebodziński AB, et al. **Biol Neonate** 1981;39(3–4):191–9

Thyroid function and physical activity. A preliminary communication. Adler J, et al. **Br J Sports Med** 1981 Dec; 15(4):261–4

Correlation of circulating levels of a serum protein with triiodothyronine levels and hepatoma growth. Coetzee ML, et al. **Cancer Res** 1982 Jan;42(1):155–60

Pharmacokinetic significance of serum reverse T3 levels during amiodarone treatment: a potential method for monitoring chronic drug therapy. Nademanee K, et al. **Circulation** 1982 Jul;66(1):202–11

Triiodothyronine--binding immunoglobulin in a euthyroid patient. Pudek MR, et al. **Clin Biochem** 1981 Jun; 14(3):142–5

Simultaneous enzyme immunoassay of two thyroid hormones. Blake C, et al. **Clin Chem** 1982 Jul;28(7):1469–73

Partition affinity ligand assay (PALA) for quantitation of triiodothyronine in serum. Mattiasson B, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):680–3

Enzyme immunoassay for thyroxine and triiodothyronine in human serum, with use of a covalent chromatographic separation method. Yamamoto R, et al. **Clin Chem** 1981 Oct;27(10):1721–3

The free T3 index in familial TBG deficiency. Farrell RJ, et al. **Clin Chim Acta** 1982 Jan 5;118(1):121–3

Thyroxine binding globulin (TBG) and thyroxine binding prealbumin (TBPA) measurement, compared with the conventional T3 uptake in the diagnosis of thyroid disease. Litherland PG, et al. **Clin Chim Acta** 1982 Jul 15; 122(3):345–52

The influence of carbamazepine on thyroid hormones and thyroxine binding globulin in hypothyroid patients substituted with thyroxine. Aanderud S, et al. **Clin Endocrinol (Oxf)** 1981 Sep;15(3):247–52

Studies of thyroid hormone and methimazole levels in patients with Graves' disease on a standardized anti-thyroid drug regimen. Dahlberg PA, et al. **Clin Endocrinol (Oxf)** 1981 Jun;14(6):555–62

The effect of propranolol on thyroid hormones in T3 toxicosis. Jones MK, et al. **Clin Endocrinol (Oxf)** 1981 Jun; 14(6):621–3

Relationship of altered thyroid hormone indices to survival in nonthyroidal illnesses. Kaptein EM, et al. **Clin Endocrinol (Oxf)** 1982 Jun;16(6):565–74

Rapid adaptation of pituitary responsiveness to TRH in the post-surgical state. The role of free T3. Wolfsen MS, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):579–84

Chronic exposure to short photoperiod inhibits free thyroxine index and plasma levels of TSH, T4, triiodothyronine (T3) and cholesterol in female Syrian hamsters. Vaishav AK, et al. **Comp Biochem Physiol [A]** 1982;71(4):615–8

Thyrotoxicosis due to isolated elevation of triiodothyronine in Ethiopian patients. Abdulkadir J, et al. **East Afr Med J** 1981 Oct;58(10):785–9

Dissociation of serum triiodothyronine concentration and hepatic nuclear triiodothyronine-binding capacity in streptozotocin-induced diabetic rats. Las MS, et al. **Endocrinology** 1981 Oct;109(4):1259–63

Diurnal variations of plasma thyrotropin, thyroxine, and triiodothyronine in female rats are phase shifted after inversion of the photoperiod. Ottenweller JE, et al. **Endocrinology** 1982 Aug;111(2):509–14

Serum thyroid hormones in two Yugoslav districts with different iodine intake. Banovac K, et al. **Endokrinologie** 1981 Mar;77(3):377–8

Effects of phentolamine on serum concentrations of TSH and thyroid hormones in hemithyreoidectomized rats. Lewiński A, et al. **Endokrinologie** 1981 Dec;78(2–3):219–26

Reduction of total and free triiodothyronine in serum after abortion. Rajković D, et al. **Endokrinologie** 1982 Feb; 79(1):44–8

Influence of 25-hydroxyvitamin D3 on thyrotropin and triiodothyronine plasma levels in man. Zofková I, et al. **Endokrinologie** 1981 Oct;78(1):118–20

Hypercalcemia influences TRH-stimulated TSH and T3 response. Zofková I, et al. **Endokrinologie** 1981 Dec; 78(2–3):186–90

Effect of inhibitors of prostaglandin synthesis on blood serum triiodothyronine and thyroxine concentration in the rat. Słuszkiewicz E. **Endokrynol Pol** 1982;32(5):371–7

Circulating reverse triiodothyronine in humans during exercise. Premachandra BN, et al. **Eur J Applied Physiol** 1981;47(3):281–8

TSH, T3, rT3 and fT4 in maximal and submaximal physical exercise. Schmid P, et al. **Eur J Applied Physiol** 1982; 48(1):31–9

Serum T4, T3 and TBG concentrations during puberty in males. Sack J, et al. **Eur J Pediatr** 1982 Mar;138(2):136–7

Plasma triiodothyronine response to thyrotropin releasing hormone, thyrotropin and propranolol in old age. Szabolcs I, et al. **Exp Gerontol** 1981;16(4):309–16

Prenatal peripheral monodeiodination in the chick embryo. Decuypere E, et al. **Gen Comp Endocrinol** 1982 May; 47(1):15–7

Effect of food intake on diel variation in plasma thyroid hormone levels in rainbow trout, Salmo gairdneri. Eales JG, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):167–74

The relationship between heat production and concentrations of plasma thyroid hormones in the domestic hen. Klandorf H, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):513–20

Plasma thyroxine and triiodothyronine levels during the development of photorefractoriness in Willow Ptarmigan (Lagopus lagopus lagopus) exposed to different photoperiods. Klandorf H, et al. **Gen Comp Endocrinol** 1982 May;47(1):64–9

The interaction between day length and the gonads in the regulation of levels of plasma thyroxine and triiodothyronine in the Japanese quail. Sharp PJ, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):504–12

Serum thyroid hormone levels and thyroid hormone metabolism by 10% liver homogenate from adult lean and obese (ob/ob) mice. Gambert SR, et al. **Horm Metab Res** 1981 Oct;13(10):588–9

Metabolic insufficiency as a limiting factor in the dietetic treatment of obesity. Kitsopanides J, et al. **Horm Metab Res** 1981 Sep;13(9):477–9

Immediate opposite effect of salicylate on thyroxine and 3,5,3'-triiodothyronine versus 3,3',5'-triiodothyronine level in plasma in rats. Langer P, et al. **Horm Metab Res** 1981 Oct;13(10):575–7

The effect of a beta-receptor agonist (salbutamol) on peripheral thyroid metabolism in euthyroid subjects. Walker N, et al. **Horm Metab Res** 1981 Oct;13(10):590–1

Partition of thyroid hormone among erythrocyte cytosol, erythrocyte membrane and human plasma binding sites. Yoshida K, et al. **Horm Metab Res** 1981 Jul;13(7):394–5

Reduced serum triiodothyronine level in oncocerciasis [letter] Maharajan G, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):392–3

The role of T3 and its receptor in efficient metabolisers receiving very-low-calorie diets. Moore R, et al. **Int J Obes** 1981;5(3):283–6

Serum free triiodothyronine: determinant of the pseudohypercortisolism in obesity? Stokholm KH. **Int J Obes** 1982;6(2):211–5

Biological detection of heterozygosity for double muscling in cattle. II. Thyroid hormone concentrations. Novakofski JE, et al. **J Anim Sci** 1981 Jun;52(6):1437–41

Determination of triiodothyronine in serum by enzyme- and radioimmunoassay: a comparative study. Oellerich M, et al. **J Clin Chem Clin Biochem** 1981 Jul;19(7):447–51

The relationship between serum triiodothyronine and thyrotropin during systemic illness. Bacci V, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1229–35

Nuclear triiodothyronine binding in mononuclear leukocytes in normal subjects and obese patients before and after fasting. Buergi U, et al. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1199–205

Simultaneous measurement of 3,5-diiodothyronine and 3,5,3'-triiodothyronine turnover kinetics in euthyroid hyperthyroid, and hypothyroid subjects. Faber J, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):8–12

The extrathyroidal effect of D,L-propranolol on 3,3',5'-triiodothyronine, 3',5'-diiodothyronine, 3,3'-diiodothyronine, and 3'-monoiodothyronine kinetics. Lumholtz IB, et al. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1097–100

The interaction of free fatty acids in radioimmunoassays for reverse triiodothyronine. O'Connell M, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):577–82

Human cord blood concentrations of thyrotropin, thyroglobulin, and iodothyronines after maternal administration of thyrotropin-releasing hormone. Roti E, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):813–7

Dichotomy between serum free triiodothyronine and free thyroxine concentrations in familial thyroxine-binding globulin deficiency. Smals AG, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):917–22

Effect of Iopanoic acid on the pituitary-thyroid axis: time sequence of changes in serum iodothyronines, thyrotropin, and prolactin concentrations and responses to thyroid hormones. Suzuki H, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):779–83

An increase of plasma triiodothyronine and thyroxine after administration of dexamethasone to hypothyroid patients with Hashimoto's thyroiditis. Yamada T, et al. **J Clin Endocrinol Metab** 1978 May;46(5):784–90

Serum free thyroxine and triiodothyronine concentrations in subacute thyroiditis. Yoshida K, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):185–8

Peripheral serum thyroxine, triiodothyronine and reverse triiodothyronine kinetics in the low thyroxine state of acute nonthyroidal illnesses. A noncompartmental analysis. Kaptein EM, et al. **J Clin Invest** 1982 Mar;69(3):526–35

Influence of age and sex on the concentrations of thyroid hormone in serum in the rat. Segal J, et al. **J Endocrinol** 1982 May;93(2):177–81

Familial inappropriate TSH secretion: evidence suggesting a dissociated pituitary resistance to T3 and T4. Vandalem JL, et al. **J Endocrinol Invest** 1981 Oct–Dec;4(4):413–22

Orphenadrine citrate (Norflex) mediated inhibition of thyroid function in the adult male rat. Van Herle AJ, et al. **J Endocrinol Invest** 1981 Apr–Jun;4(2):141–7

Effect of endotoxin fever on plasma clearance of thyroxine and tri-iodothyronine: concise communication. Elson MK, et al. **J Nucl Med** 1982 Mar;23(3):241–4

Free thyroxine measurements in euthyroid patients with low or high T3 uptakes [letter] Szpunar WE, et al. **J Nucl Med** 1982 Jun;23(6):550

A new immunoradiometric method for the determination of thyroxine and triiodothyronine in free cells. Notario A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):1–7

Thyroxine and triiodothyronine equilibrium in human normal and leukemic leukocytes. Notario A, et al. **J Nucl Med Allied Sci** 1982 Jan–Mar;26(1):9–14

Oxygen consumption and thyroid hormones in germfree mice fed glucose-amino acid liquid diet. Wostmann BS, et al. **J Nutr** 1982 Mar;112(3):552–9

Elevated values of tri-iodothyronine in victims of sudden infant death syndrome [letter] Benjamin DR, et al. **J Pediatr** 1982 May;100(5):841

Elevated values of tri-iodothyronine in victims of sudden infant death syndrome. Chacon MA, et al. **J Pediatr** 1981 Nov;99(5):758–60

Serum T3 values and SIDS [letter] Lee WK, et al. **J Pediatr** 1982 Jul;101(1):161–2

The effects of acute exercise on the level of blood serum tri-iodothyronine (T3), thyroxine (T4) and free thyroxine index (FTI) in the aging male. Métivier G, et al. **J Sports Med Phys Fitness** 1981 Dec;21(4):371–6

Response of thyroxine and triiodothyronine to thyroid-stimulating hormone in adult female baboons (Papio cynocephalus). Maul DH, et al. **Lab Anim Sci** 1982 Jun;32(3):267–8

Interactions of iron deficiency, anemia, and thyroid hormone levels in response of rats to cold exposure. Beard J, et al. **Life Sci** 1982 Feb 15–22;30(7–8):691–7

Investigations into the etiology of elevated serum T3 levels in protein-malnourished rats. Smallridge RC, et al. **Metabolism** 1982 Jun;31(6):538–42

Differing thyrotropin responses to increased serum triiodothyronine concentrations produced by overfeeding and by triiodothyronine administration. Utiger RD. **Metabolism** 1982 Feb;31(2):180–3

Radioimmunoassay of thyroxine (T4), 3,5,3'-triiodothyronine (T3), 3,3',5'-triiodothyronine (reverse T3, rT3), and 3,3'-diiodothyronine (T2). Wiersinga WM, et al. **Methods Enzymol** 1982;84 Pt D:272–303 (89 ref.)

Serum reverse triiodothyronine (3,3',5'-L-triiodothyronine)

in end-stage renal failure [letter] Weissel M, et al. **Nephron** 1981;28(6):303–4

Value of the triiodothyronine/thyroxine-binding-globulin quotient as an index of thyroid state. Hale TI. **Nuklearmedizin** 1981 Oct;20(5):254–5

Thyroid hormone concentrations in dialysate during hemodialysis in children. Waters W, et al. **Nuklearmedizin** 1981 Dec;20(6):272–3

Beta-adrenoreceptor blocking drugs and thyroid hormones in hyperthyroid subjects. Jones MK, et al. **Postgrad Med J** 1981 Apr;57(666):207–9

Posthatch growth and development of a circadian rhythm for thyroid hormones in chicks incubated at different temperatures. Kühn ER, et al. **Poult Sci** 1982 Mar; 61(3):540–9

High reverse T3 levels in manic an unipolar depressed women. Linnoila M, et al. **Psychiatry Res** 1982 Jun; 6(3):271–6

Serum thyroxine, triiodothyronine, reverse triiodothyronine, thyroid stimulating hormone, thyroxine binding globulin and thyroxine binding pre-albumin concentrations in healthy African adults. Osotimehin B, et al. **Trop Geogr Med** 1981 Sep;33(3):281–6

T3 toxicosis due to nonmetastatic follicular carcinoma of the thyroid. Pont A, et al. **West J Med** 1982 Mar;136(3):255–8

[Total triiodothyronine concentration in 'eufunctional' goiters and in goitre-less euthyroidisms (author's transl)] Müller J, et al. **Cas Lek Cesk** 1981 Aug 27;120(34):1026–9 (Eng. Abstr.) **(Cze)**

[Radioimmunoassay of serum tri-iodothyronine (author's transl)] Nedvídková J, et al. **Cas Lek Cesk** 1981; 120(51):1565–7 (Eng. Abstr.) **(Cze)**

[Changes in serum levels of triiodothyronine in dialyzed patients (author's transl)] Racek J, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):733–5 (Eng. Abstr.) **(Cze)**

[Familial partial resistance to thyroid hormones. A report on one case (author's transl)] Krzentowski G, et al. **Ann Endocrinol (Paris)** 1981 Dec;42(6):541–2 (Eng. Abstr.) **(Fre)**

[Study of thyroid function by radiochemical and radioimmunological technique (author's transl)] Meunier JC, et al. **Rev Med Brux** 1981 Oct;2(8):719–30 (Eng. Abstr.) **(Fre)**

[T3, T4, TSH and circulating antithyroglobulin antibodies in myasthenia gravis] Kiessling WR, et al. **Endokrinologie** 1981 Oct;78(1):67–72 (Eng. Abstr.) **(Ger)**

[Determination of triiodothyronine in serum with a heterologous enzyme immunoassay: results of a group survey] Braun SL, et al. **J Clin Chem Clin Biochem** 1981 Sep;19(9):911–8 (Eng. Abstr.) **(Ger)**

[Study of the concentration of triiodothyronine, thyroxine and thyreotropin in blood serum of euthyroid children (author's transl)] Liappis N, et al. **Klin Padiatr** 1981 Sep; 193(5):378–81 (Eng. Abstr.) **(Ger)**

[Assessment of the loss of thyroid hormone during hemodialysis by administration of a hormone tracer in an in vitro experiment (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):294–8 (Eng. Abstr.) **(Ger)**

[Determination of the concentration of thyroid hormones in dialysate and assessment of the loss of thyroid hormone during hemodialysis (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1980 Dec;19(6):288–93 (Eng. Abstr.) **(Ger)**

[Behavior of triiodothyronine, tetraiodothyronine and thyrotropin during the TRH test] Strollo F, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2417–23 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical evaluation of radioimmunoassay for serum triiodothyronine by CK-R3A RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1982 Feb; 30(2):217–21 **(Jpn)**

[Fundamental and clinical evaluation of enzyme-linked immunosorbent assay for serum triiodothyronine concentration (author's transl)] Ban Y. **Horumon To Rinsho** 1982 Apr;30(4):379–82 **(Jpn)**

[The basic evaluation of SPAC T3 uptake kit for the measurement of serum T3 uptake (author's transl)] Fujikawa H. **Horumon To Rinsho** 1981 Jun;29(6):723–7 **(Jpn)**

[Measurement of triiodothyronine in serum by Tri-Tab RIA kit (author's transl)] Kinoshita F, et al. **Horumon To Rinsho** 1981 Aug;29(8):1013–8 **(Jpn)**

[Solid phase radioimmunoassay of serum triiodothyronine--fundamental and clinical evaluation of SPACT3 RIA kit (author's transl)] Kosaka T, et al. **Horumon To Rinsho** 1981 Sep;29(9):1173–7 **(Jpn)**

[Fundamental evaluation of T-3 RIA kit III (author's transl)] Ohta A. **Horumon To Rinsho** 1982 Mar;30(3):307–11 **(Jpn)**

[Determination of serum triiodothyronine by SPAC T3 RIA kit (author's transl)] Satake H, et al. **Horumon To Rinsho** 1981 Mar;29(3):365–70 **(Jpn)**

[Basic studies of T3 radioimmunoassay (Tri-Tab RIA kit) (author's transl)] Fuzita S, et al. **Kaku Igaku** 1981 Dec; 18(10):1437–42 **(Jpn)**

[Measurement of serum T3 and T4 by solid phase radioimmunoassay using latex particle (author's transl)] Iio A, et al. **Kaku Igaku** 1981 Apr;18(3):345–51 **(Jpn)**

[Simplified triiodothyronine-radioimmunoassay in antibody-coated tubes: evaluation of a new commercial kit, SPAC-T3 (author's transl)] Ishihara M, et al. **Kaku Igaku** 1981 Feb;18(1):97–104 **(Jpn)**

[Studies on the measurement on serum triiodothyronine with Immophase T3 RIA Kit] Kaise N, et al. **Kaku Igaku** 1981 May;18(4):541–6 **(Jpn)**

[Measurement of serum T3 concentration by dainabot T3 RIA kit III (author's transl)] Kitaoka H, et al. **Kaku Igaku** 1982 Feb;19(1):97–104 **(Jpn)**

[Solid phase radioimmunoassay of serum thyroxine and triiodothyronine -fundamental and clinical evaluation of Amerlex T4 and T3 (author's transl)] Konishi J, et al. **Kaku Igaku** 1981 Apr;18(3):371–8 **(Jpn)**

[Fundamental and clinical studies of T3 radioimmunoassay by CK-R3A kit (TRI-TAB RIA) (author's transl)] Saito T, et al. **Kaku Igaku** 1981 Nov;18(9):1329–35 **(Jpn)**

[Studies on the measurement of serum triiodothyronine with 'SPAC T3 RIA kit' (author's transl)] Shinoda N, et al. **Kaku Igaku** 1981 Dec;18(10):1515–21 **(Jpn)**

[T4, T3, T3 resin uptake, TBG and free T4 levels for thyroid functions in normal and molar pregnancy (author's transl)] Murata K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):292–8 (Eng. Abstr.) **(Jpn)**

[The fundamental studies of Tri-Tab RIA Kit (author's transl)] Imazeki K, et al. **Radioisotopes** 1981 Apr; 30(4):226–9 **(Jpn)**

[Experimental observation of Triosorb-S kit and influence of drugs (author's transl)] Kurihara S, et al. **Radioisotopes** 1981 Jul;30(7):407–9 **(Jpn)**

[Basic and clinical studies of T3 radioimmunoassay kit (Tri-Tab RIA) (author's transl)] Kusai Y, et al. **Radioisotopes** 1981 May;30(5):285–7 **(Jpn)**

[Measurements of T(3) uptake and free thyroxine index by T(3) uptake-MAA kit (author's transl)] Nishimura T, et al. **Radioisotopes** 1980 Oct;29(10):495–7 **(Jpn)**

[A thyroid function test by the T3-macroaggregated albumin Uptake (T3MAAU) (author's transl)] Suzuki M, et al. **Radioisotopes** 1981 Aug;30(8):455–7 **(Jpn)**

[A study on T3 uptake test with the Thyrotest-3 Kit in pediatrics (author's transl)] Tsuyusaki T, et al. **Radioisotopes** 1981 Jun;30(6):337–9 **(Jpn)**

[Endocrinal changes observed by TRH (thyrotropin-releasing hormone) test in alcohol withdrawal syndrome (author's transl)] Kogure T, et al. **Seishin Shinkeigaku Zasshi** 1981;83(8):475–87 (Eng. Abstr.) **(Jpn)**

[Conversion of thyroxine to triiodothyronine and reverse triiodothyronine in parturients and newborn infants] Pisarek-Miedzińska D, et al. **Ginekol Pol** 1981 Sep; 52(9):787–91 (Eng. Abstr.) **(Pol)**

[Thyrotropic and thyroid hormone (T3 and T4) content in Horton' s headache patients] Klimek A. et al. **Neurol Neurochir Pol** 1981 Sep-Dec;15(5–6):569–73 (Eng. Abstr.) **(Pol)**

[Triiodothyronine, reverse triiodothyronine and thyroxine levels in the acute stage of myocardial infarct] Lada W, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):123–9 (Eng. Abstr.) **(Pol)**

[Serum reverse triiodothyronine concentration in the aged] Sobieszczyk S, et al. **Pol Arch Med Wewn** 1982 Jan-Feb; 67(1–2):41–6 **(Pol)**

[Serum concentration of total thyroxine (T4), J-125-labeled triiodothyronine binding index (T3CU) and free thyroxine index (FT4I) in newborn infants] Sawa H, et al. **Wiad Lek** 1981 Oct 1;34(19):1607–10 (Eng. Abstr.) **(Pol)**

[Levels of the thyroid hormones, triiodothyronine and tetraiodothyronine, in the blood in liver diseases] Djordjević PB, et al. **Srp Arh Celok Lek** 1981 Jul; 109(7):885–92 **(Scc)**

[Concentration of triiodothyronine and thyroxine in two geographically separate districts of Croatia (author's transl)] Tonkić A, et al. **Liječ Vjesn** 1980;102(11):609–12 (Eng. Abstr.) **(Scr)**

[The syndrome of low triiodothyronine (T3) concentrations in the peripheral blood] Antić M, et al. **Vojnosanit Pregl** 1982 May-Jun;39(3):184–9 **(Scr)**

[Thyroid function in craniocerebral trauma (author's transl)] Barberá M, et al. **Rev Esp Anestesiol Reanim** 1982 Jan; 29(1):13–8 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

3,3',5'-triiodothyronine (reverse T3) in human cerebrospinal fluid. Nishikawa M, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1030–5

Iodothyronine levels in human cerebrospinal fluid. Thompson P Jr, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):653–5

DEFICIENCY

Transient triiodothyronine deficiency. Absence of effect on basal or adrenaline-stimulated carbohydrate and lipid metabolism in man. Pernet A, et al. **Diabete Metab** 1982 Mar;8(1):41–6

Recovery of pituitary secretion of thyrotropin and its free alpha- and beta-subunits after triiodothyronine withdrawal. Goldman JM, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):337–40

[Circulating thyroid hormones in non-thyroid diseases] Linquette M, et al. **Bull Acad Natl Med (Paris)** 1981 Oct; 165(7):961–6 (Eng. Abstr.) **(Fre)**

[Clinical evaluation of serum free T4 in patients with low Ts syndrome and pregnant patients with thyroid diseases (author's transl)] Izumi M, et al. **Horumon To Rinsho** 1982 Jan;30(1):35–8 **(Jpn)**

DIAGNOSTIC USE

T3 uptake tests in newborn infants [letter] Jacobsen BB. **Arch Dis Child** 1981 Oct;56(10):814–5

[A study of thyroid function in patients with Graves' disease after 5 to 10 years of subtotal thyroidectomy: with special emphasis on TRH tests, T3 suppression tests and antithyroid antibodies in euthyroid patients (author's transl)] Fukino O, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20;57(11):1581–90 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Monoclonal triiodothyronine (T3)-binding immunoglobulins in a euthyroid woman. De Baets M, et al. **Clin Chim Acta** 1982 Feb 5;118(2–3):293–301

Triiodothyronine (T3)-autoantibodies in two goitrous patients. Wiersinga WM, et al. **Neth J Med** 1982; 25(5):121–6

[Thyroid hormone auto-antibodies in a patient with Hashimoto's thyroiditis] Højslet PE, et al. **Ugeskr Laeger** 1981 May 11;143(20):1270–1 (Eng. Abstr.) **(Dan)**

[A study on anti-T3 and anti-T4 autoantibodies found in two sisters with juvenile hypothyroidism due to Hashimoto's thyroiditis (author's transl)] Nakamura S, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 Jan 20;58(1):9–23 (Eng. Abstr.) **(Jpn)**

METABOLISM

Effect of thiol blocking agents on the binding of T3 and T4 in rat liver nuclear extract. Knopp J, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):68–72

Maturation of renal and hepatic monodeiodination of thyroxine to triiodothyronine and post-natal changes of serum thyroid hormones in young rats. Suzuki Y, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):540–5

Alterations in hepatic nuclear binding of triiodothyronine in experimental diabetes mellitus in rats. Wiersinga WM, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):79–85

Hormones in the seminal fluid. The transport proteins of the thyroid hormones. Abbaticchio G, et al. **Acta Eur Fertil** 1981 Dec;12(4):307–11 **(Eng, Ita)**

Receptors and effectors in hormone action on the kidney. Edelman IS. **Am J Physiol** 1981 Oct;241(4):F333–9

Thyroid hormone binding to putative nuclear receptors in human mononuclear blood cells. Maberly GF, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):113–5

Reversible dissociation of triiodothyronine-nuclear receptor complexes by mercurial and chaotropic reagents. Ferreira MM, et al. **Biochem Biophys Res Commun** 1982 Mar 15; 105(1):244–51

Different pathways of iodothyronine 5'-deiodination in rat cerebral cortex. Visser TJ, et al. **Biochem Biophys Res Commun** 1981 Aug 31; 101(4):1297–304

Evidence for a single enzyme in rat liver catalysing the deiodination of the tyrosyl and the phenolic ring of iodothyronines. Fekkes D, et al. **Biochem J** 1982 Mar 1; 201(3):673–6

Study of fluxes at low concentrations of L-tri-iodothyronine with rat liver cells and their plasma-membrane vesicles. Evidence for the accumulation of the hormone against a gradient. Rao GS, et al. **Biochem J** 1981 Sep 15; 198(3):457–66

One enzyme for the 5'-deiodination of 3,3',5'-triiodothyronine and 3',5'-diiodothyronine in rat liver. Fekkes D, et al. **Biochem Pharmacol** 1982 May 1; 31(9):1705–9

Characteristics of active transport of thyroid hormone into rat hepatocytes. Krenning E, et al. **Biochim Biophys Acta** 1981 Sep 4;676(3):314–20

Thyroid hormone receptors in human breast cancer. Cerbon MA, et al. **Cancer Res** 1981 Oct;41(10):4167–73

A simple and reproducible method for the estimation of triiodothyronine uptake (thyroxine binding index) using a new adsorbent. Mantzos JD, et al. **Clin Biochem** 1982 Apr; 15(2):76–9

Influence of erythrocyte iodothyronine-binding proteins on radioimmunoassay of thyroxin in dried blood spots. Sadler WA, et al. **Clin Chem** 1982 Jan;28(1):63–8

Thyroxine and triiodothyronine levels in thyroid vein blood and in thyroid tissue of patients with autonomous adenomas. Gheri RG, et al. **Clin Endocrinol (Oxf)** 1981 Nov;15(5):485–90

T3 kinetics in euthyroid Graves' disease patients who exhibit hyper-responsiveness to TRH after radioiodine treatment. Jaffiol C, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):417–21

Glucocorticoids decrease in conversion of thyroxine into 3, 5, 3'-tri-iodothyronine by isolated rat renal tubules. Heyma P, et al. **Clin Sci** 1982 Feb;62(2):215–20

Preliminary observations on the absorption of biliary iodothyronines from the intestine in vivo in rats. Langer P, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):117–27

Correlation of T4 to T3 converting activity with T3 concentration in rat tissues. Imai Y, et al. **Endocrinol Jpn** 1981 Jun;28(3):271–6

Modulation of T4 5'-monodeiodination in rat anterior pituitary and liver homogenates by thyroid states and fasting. Naito K, et al. **Endocrinol Jpn** 1981 Dec;28(6):793–8

High affinity of triiodothyronine (T3) for nonphenolic ring

deiodinase and high affinity of tetraiodothyroacetic acid (TETRAC) for phenolic ring deiodinase in cultured monkey hepatocarcinoma cells and in rat liver homogenates. Sorimachi K, et al. **Endocrinol Jpn** 1981 Dec; 28(6):775–83

Triiodothyronine nuclear receptor in chick embryo: nature and properties of hepatic receptor. Bellabarba D, et al. **Endocrinology** 1981 Oct;109(4):1017–25

An analysis of the sources and quantity of 3,5,3'-triiodothyronine specifically bound to nuclear receptors in rat cerebral cortex and cerebellum. Crantz FR, et al. **Endocrinology** 1982 Feb;110(2):367–75

Comprehensive kinetics of triiodothyronine production, distribution, and metabolism in blood and tissue pools of the rat using optimized blood-sampling protocols. DiStefano JJ 3d, et al. **Endocrinology** 1982 Jan; 110(1):198–213

Evidence for an active step in thyroid hormone transport to nuclei: drug inhibition of L-125I-triiodothyronine binding to nuclear receptors in rat pituitary tumor cells. Halpern J, et al. **Endocrinology** 1982 Mar;110(3):1070–2

Serum binding of triiodothyronine: theoretical and practical implications for in vitro triiodothyronine uptake. Harpen MD, et al. **Endocrinology** 1982 May;110(5):1732–9

Effects of congenital hypothyroidism and partial and complete food deprivation on phenolic and tyrosyl ring iodothyronine deiodination in rat brain. Kaplan MM, et al. **Endocrinology** 1982 Mar;110(3):761–7

High affinity 3,5,3'-L-triiodothyronine binding to synaptosomes in rat cerebral cortex. Mashio Y, et al. **Endocrinology** 1982 Apr;110(4):1257–61

Effect of divalent cations on the binding of 3,5,3'-triiodothyronine to isolated rat liver nuclei. Rodriguez-Peña A, et al. **Endocrinology** 1982 Jan; 110(1):246–53

Rat placenta is an active site of inner ring deiodination of thyroxine and 3,3',5-triiodothyronine. Roti E, et al. **Endocrinology** 1982 Jan;110(1):34–7

Are iodine-deficient rats euthyroid? Santisteban P, et al. **Endocrinology** 1982 May;110(5):1780–9

Comparison of peripheral thyroid hormone metabolism in normal rats and in rats receiving prolonged glucagon infusion. Senga O, et al. **Endocrinology** 1982 Jun; 110(6):2011–7

Inner ring monodeiodination of thyroxine and 3,5,3'-L-triiodothyronine in rat brain. Tanaka K, et al. **Endocrinology** 1981 Nov;109(5):1619–24

Specific nuclear binding sites of triiodothyronine and reverse triiodothyronine in rat and pork liver: similarities and discrepancies. Wiersinga WM, et al. **Endocrinology** 1982 Jun;110(6):2052–8

Studies on the hypothalamic control of thyroid function in the rabbit fetuses. Mitskevich MS, et al. **Endokrinologie** 1982 Feb;79(1):94–100

Specific triiodothyronine binding by tumor cells and spleen cells in a thyroid hormone dependent mouse tumor system. Gupta MK, et al. **Eur J Cancer Clin Oncol** 1981 Jul; 17(7):819–23

Decreased transport of thyroxine (T4), 3,3',5-triiodothyronine (T3) and 3,3',5'-triiodothyronine (rT3) into rat hepatocytes in primary culture due to a decrease of cellular ATP content and various drugs. Krenning EP, et al. **FEBS Lett** 1982 Apr 19;140(2):229–33

Changes in thyroidal and plasma iodine compounds during and after metamorphosis of the bullfrog, Rana catesbeiana. Suzuki S, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):74–81

Thyroxine an triiodothyronine kinetics and extrathyroidal peripheral conversion rate of thyroxine to triiodothyronine in healthy elderly humans. Miralles-Garcia JM, et al. **Horm Metab Res** 1981 Nov;13(11):626–31

Iodine, thyroxine (T4), triiodothyronine (T3), 3,3',5'-triiodothyronine (rT3), 3,3'-diiodothyronine (T2) in normal human thyroids. Effect of excessive iodine exposure. Reinwein D, et al. **Horm Metab Res** 1981 Aug; 13(8):456–9

Humoral modulation of hepatic nuclear triiodothyronine receptors in the cross-circulated rat. Short J, et al. **Horm Metab Res** 1982 Apr;14(4):224

Inhibition of the nuclear entry of 3,3',5'-triiodo-L-thyronine by monodansylcadaverine in GH3 cells. Horiuchi R, et al. **J Biol Chem** 1982 Mar 25;257(6):3139–44

Thermodynamics of triiodothyronine nuclear receptor interaction. Role of hydrophobicity in triiodothyronine binding to its receptor. Seelig S, et al. **J Biol Chem** 1982 Feb 10;257(3):1378–82

Nuclear binding of [125I]triiodothyronine in dispersed cultured skin fibroblasts from patients with resistance to thyroid hormone. Eil C, et al. **J Clin Endocrinol Metab** 1982 Sep;55(3):502–10

Peripheral resistance to thyroid hormone in an infant. Kaplowitz PB, et al. **J Clin Endocrinol Metab** 1981 Nov; 53(5):958–63

Effect of alterations in thyroid status on the metabolism of thyroxine and triiodothyronine by rat pituitary gland in vitro. Maeda M, et al. **J Clin Invest** 1982 Apr;69(4):799–808

The effects of propranolol on thyroxine metabolism and triiodothyronines production in man. Chambers JB Jr, et al. **J Clin Pharmacol** 1982 Feb-Mar;22(2-3):110–6

Thyroid hormone binding to plasma membrane preparations: studies in different thyroid states and tissues. Gharbi-Chihi J, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):177–83

Inhibition of peripheral deiodination of 3, 5, 3'-triiodothyronine: an adverse effect of propylthiouracil in the treatment of T3-thyrotoxicosis. Heinen E, et al. **J Endocrinol Invest** 1981 Jul-Sep;4(3):331–4

Alterations of nuclear thyroid hormone receptors in cerebral cortex in vivo. Thrall CL, et al. **J Neurochem** 1982 Mar; 38(3):669–74

Preparation of radioiodothyronines for tracer turnover studies in man. Bianchi R, et al. **J Nucl Med Allied Sci** 1981 Jul-Sep;25(3):133–9

Triiodothyronine and adipose conversion of OB17 preadipocytes : binding to high affinity sites and effects on fatty acid synthetizing and esterifying enzymes. Gharbi-Chihi J, et al. **J Recept Res** 1981;2(2):153–73

Nervous system role of iodocompounds in blood pressure regulation. Dratman MB, et al. **Life Sci** 1982 Feb 15–22; 30(7–8):611–8

Hemiagenesis of the thyroid gland and T3 hyperthyroidism. Matsumura LK, et al. **Postgrad Med J** 1982 Apr; 58(678):244–6

Iodine-125-labeled triiodothyronine in rat brain: evidence for localization in discrete neural systems. Dratman MB, et al. **Science** 1982 Jan 15;215(4530):309–12

Cerebral cortex responds rapidly to thyroid hormones. Leonard JL, et al. **Science** 1981 Oct 30;214(4520):571–3

The effect of 3-amino-1,2,4-triazole on hepatic and renal deiodination of L-thyroxine to 3,5,3'-triiodothyronine. Scammell JG, et al. **Toxicol Appl Pharmacol** 1981 Aug; 60(1):45–51

Placental inner ring iodothyronine deiodination: a mechanism for decreased passage of T4 and T3 from mother to fetus. Roti E, et al. **Trans Assoc Am Physicians** 1981;94:183–9

[Triiodothyronine binding and norepinephrine uptake in the heart and liver] Utevskii AM, et al. **Ukr Biokhim Zh** 1982 May-Jun;54(3):307–10 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of thyroid hormones on tissue protein turnover. Simon O, et al. **Acta Biol Med Ger** 1981;40(10–11):1235–8

Influence of thyroid hormone on (Na+ + K+)-dependent adenosine triphosphatase activity in rat submandibular glands. Saito S, et al. **Arch Oral Biol** 1982;27(1):83–5

The effect of triiodothyronine-prednisolone treatment on the development of digestive enzymes in the suckling pig. Baintner K, et al. **Arch Tierernahr** 1982 Apr;32(4):229–34

Evidence for post-transcriptional effects of T3 on hepatic ferritin synthesis. Jump DB, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):701–7

Effects of thyroid hormone administration on the susceptibility of rat liver chromatin to digestion with micrococcal nuclease. Nikodem VM, et al. **Biochem Biophys Res Commun** 1982 Jun 30;106(4):1148–54

Tri-iodothyronine (T3) stimulates the growth of Morris hepatoma cells grown in culture. Solomon DH, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1611–7

Impaired repair capacity of DNA strand breaks induced by 125I-triiodothyronine in Chinese hamster cells. Sundell-Bergman S, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):546–52

Thyroid hormones and muscle protein turnover. The effect of thyroid-hormone deficiency and replacement in thryoidectomized and hypophysectomized rats. Brown JG, et al. **Biochem J** 1981 Mar 15;194(3):771–82

Thyroid hormone stimulation of Lipogenesis in isolated rat hepatocytes. Gnoni GV, et al. **Biochem Med** 1980 Dec; 24(3):336–47

Triiodothyronine and growth hormone exert an opposite effect on the binding of growth hormone and insulin by hepatocytes from dwarf mouse. Fouchereau-Peron M, et al. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):445–52

Induction of mitochondrial phosphoenolpyruvate carboxykinase in the liver of Rana catesbeiana tadpole treated with 3,5,3'-triiodothyronine and undergoing natural metamorphosis. Ohki Y, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):230–4

Lack of stimulation of renal (Na+ +K+)-ATPase by thyroid hormones in the rabbit. Sejersted OM. **Biochim Biophys Acta** 1982 Jul 16;717(1):163–74

Effect of thyroid hormones on acid cholesterol ester hydrolase activity in rat liver, heart and epididymal fat pads. Severson DL, et al. **Biochim Biophys Acta** 1981 Jul; 675(2):256–64

The metabolism of fatty acids in hepatocytes isolated from triiodothyronine-treated rats. Stakkestad JA, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):90–100

Hormonal regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase and alkaline phosphatase in cultured intestinal mucosa. Stange EF, et al. **Biochim Biophys Acta** 1981 Dec 4;678(2):202–6

The effect of 3,5,3'-triiodothyronine on phosphoenolpyruvate carboxykinase, fatty acid synthetase and malic enzyme activity of liver and brown fat of fetal and neonatal rats. Hahn P, et al. **Biol Neonate** 1982; 41(1–2):1–7

Thyroid influence on the growth of hepatoma HW-165 in Wistar rats. Lemaire M, et al. **Biomedicine** 1981 Dec; 34(3):133–9

Regulation of hepatic lipogenesis in starved and diabetic animals by thyroid hormone. Sugden MC, et al. **Biosci Rep** 1981 Oct;1(10):757–64

Increased levels of rat liver RNA polymerase I(A) and I(B) following the administration of triiodothyronine. Zoncheddu A, et al. **Boll Soc Ital Biol Sper** 1981 Jun 15; 57(11):1170–4

Chromatin-associated deoxyribonuclease activity in liver nuclei isolated from Rana catesbeiana froglets and premetamorphic and T3-induced tadpoles. Harvey W, et al. **Can J Biochem** 1982 Jan;60(1):21–7

Thyroid hormone regulation of translation in tadpole tail muscle. Saleem M, et al. **Can J Biochem** 1980 Jun; 58(6):461–8

Interaction of gastric inhibitory polypeptide and arginine with glucose in the perfused pancreas of rats treated with triiodothyronine. Mueller MK, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):297–301

Effect of 3,5,3'-triiodo-L-thyronine on the incidence and growth kinetics of spontaneous mammary tumors in C3H/HeN mice. Sellitti DF, et al. **Cancer Res** 1981 Dec; 41(12 Pt 1):5015–9

The effect of tri-iodothyronine on the phytohaemagglutinin response of T lymphocytes. Keast D, et al. **Clin Exp Immunol** 1982 Jan;47(1):217–20

The lack of a 'pleiotypic response' in hepatocyte proliferation induced in the rat by 3,5,3'-triiodothyronine. Short J, et al. **Cytobios** 1981;31(123–124):191–209

Thyroid hormones are corequisites for estradiol-17beta in vitro induction of Xenopus vitellogenin synthesis and secretion. Wangh LJ, et al. **Dev Biol** 1982 Feb;89(2):287–93

Glucocorticoids act together with estrogens and thyroid hormones in regulating the synthesis and secretion of Xenopus vitellogenin, serum albumin, and fibrinogen. Wangh LJ. **Dev Biol** 1982 Feb;89(2):294–8

Effect of progesterone, triiodothyronine and metabolic inhibitors on prolactin stimulated lipid synthesis in goat mammary explants. Skarda J, et al. **Endocrinol Exp (Bratisl)** 1982;16(2):81–92

Effects of L-triiodothyronine on tubulin content in developing male and female rat brain. Takahashi T, et al. **Endocrinol Jpn** 1981 Dec;28(6):799–808

Triiodothyronine stimulation of in vitro growth and maturation of embryonic chick cartilage. Burch WM, et al. **Endocrinology** 1982 Aug;111(2):462–8

Thyroid hormone stimulation in vitro of red blood cell Ca2+-ATPase activity: interspecies variation. Davis FB, et al. **Endocrinology** 1982 Jan;110(1):297–8

Effects of thyroid hormone on the insulin receptor in rat liver membranes. DeRuyter H, et al. **Endocrinology** 1982 Jun;110(6):1922–5

Age-related differences in the response of hepatic microsomal glucose-6-phosphatase to triiodothyronine and triamcinolone in the rat. Dobrosielski-Vergona K, et al. **Endocrinology** 1982 Sep;111(3):953–8

Regulation of thyrotropin-releasing hormone receptors and responses by L-triiodothyronine in dispersed rat pituitary cell cultures. Hinkle PM, et al. **Endocrinology** 1982 May; 110(5):1725–31

Synergistic regulation of fetal rat liver nicotinamide adenine dinucleotide phosphate (reduced form) cytochrome c reductase activity: effects of L-triiodothyronine and hydrocortisone. Kriz BM, et al. **Endocrinology** 1982 Jun; 110(6):2145–50

Triiodothyronine augments the number of membrane-bound (Na+-K+)-adenosine triphosphatase units, but does not affect the sedimentation properties of plasma membrane components. Lo CS, et al. **Endocrinology** 1981 Nov; 109(5):1473–8

Comparative effects of thyroxine (T4) and triiodothyronine on T4-binding globulin metabolism in rhesus monkeys. McGuire RA, et al. **Endocrinology** 1982 Apr;110(4):1340–6

Relationship between estradiol, ergocryptine, and thyroid hormone: effects on prolactin synthesis and prolactin messenger ribonucleic acid levels. Maurer RA. **Endocrinology** 1982 May;110(5):1515–20

Thyroid hormone specifically inhibits prolactin synthesis and decreases prolactin messenger ribonucleic acid levels in cultured pituitary cells. Maurer RA. **Endocrinology** 1982 May;110(5):1507–14

Paradoxical effects of cycloheximide on the ultra-rapid induction of two hepatic mRNA sequences by triiodothyronine (T3). Seelig S, et al. **Endocrinology** 1982 Feb;110(2):671–3

Regulation of proteins by thyroid hormone and glucocorticoid: the responses of hepatic alpha 2U-globulin and pituitary growth hormone differ in adult male hypothyroid rats. Shapiro LE, et al. **Endocrinology** 1982 Aug;111(2):653–60

Effects of thyroid hormone on some uterine responses to estrogen. Steinsapir J, et al. **Endocrinology** 1982 May; 110(5):1773–9

Effect of bromocriptine on thyroid hormone-induced growth hormone production in cultured GH1 cells. Tsai JS, et al. **Endocrinology** 1981 Oct;109(4):1306–8

Influence of theophylline on the circulatory actions of thyroid hormones. Kapitola J, et al. **Endokrinologie** 1981 Mar;77(3):375–6

The suppressive effect of triiodothyronine on the release of thyrotropin in old age. Szabolcs I, et al. **Endokrinologie** 1981 Dec;78(2–3):305–7

High sensitivity of a rat liver nucleoplasmic protein to triiodothyronine. Rodriguez-Pena A, et al. **FEBS Lett** 1982 Apr 19;140(2):282–4

Hormonal regulation of chymotrypsin-like esteroproteases in the mouse submandibular gland. Takuma T, et al. **Histochemistry** 1981 Dec;73(3):477–80

Effects of thyroid hormone and adrenalectomy on [Na+ +

K+]ATPase in the ob/ob mouse. Shimomura Y, et al. **Horm Metab Res** 1981 Oct;13(10):578–82

The effect of triiodothyronine on weight loss and nitrogen balance of obese patients on a very-low-calorie liquid-formula diet. Wilson JH, et al. **Int J Obes** 1981; 5(3):279–82

Insulin and thyroid hormone stimulation of histotypic organogenesis and proteoglycan synthesis in seven-day chick embryo liver. Richmond JE. **Int J Tissue React** 1981 Dec;3(3–4):133–8

Induction of epidermal growth factor by tri-iodo-L-thyronine in the submandibular glands of mice with testicular feminization. Hosoi K, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):267–70

Induction of various androgen-dependent esteroproteases (trypsin-like and chymotrypsin-like enzymes) by tri-iodo-L-thyronine in the submandibular glands of female mice and mice with testicular feminization. Hosoi K, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1793–8

Independent inductions of trypsin-like esteroproteases by 5 alpha-dihydrotestosterone and triiodothyronine in mouse submandibular gland. Takuma T, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1371–5

Hormonal regulation of (Na+,K+)-ATPase biosynthesis in the toad bladder. Effect of aldosterone and 3,5,3'-triiodo-L-thyronine. Geering K, et al. **J Biol Chem** 1982 Sep 10;257(17):10338–43

Regulation of malic enzyme and mitochondrial alpha-glycerophosphate dehydrogenase by thyroid hormones, insulin, and glucocorticoids in cultured hepatocytes. Wilson EJ, et al. **J Biol Chem** 1981 Nov 25; 256(22):11657–62

Triiodothyronine stimulates maturation of porcine growth-plate cartilage in vitro. Burch WM, et al. **J Clin Invest** 1982 Sep;70(3):496–504

3,3',5-triiodothyronine administration in vivo modulates the hormone-sensitive adenylate cyclase system of rat hepatocytes. Malbon CC, et al. **J Clin Invest** 1982 Feb; 69(2):414–26

Glucose and triiodothyronine both induce malic enzyme in the rat hepatocyte culture: evidence that triiodothyronine multiplies a primary glucose-generated signal. Mariash CN, et al. **J Clin Invest** 1981 Dec;68(6):1485–90

Effect of amiodarone on L-triiodothyronine stimulation of [3H] thymidine incorporation into GH3 cells. Goldfine ID, et al. **J Endocrinol Invest** 1982 May-Jun;5(3):165–8

Erythropoietin production in fasted rats. Effects of thyroid hormones and glucose supplementation. Caro J, et al. **J Lab Clin Med** 1981 Dec;98(6):860–8

Hormonal effects on fatty acid binding and physical properties of rat liver plasma membranes. Schroeder F. **J Membr Biol** 1982;68(1):1–10

Thyroid control over biomembranes. VII. Heart muscle mitochondria from L-triiodothyronine-injected rats. Hoch FL. **J Mol Cell Cardiol** 1982 Feb;14(2):81–90

Investigations on myelination in vitro: regulation of 2,3'-cyclic nucleotide 3'-phosphohydrolase by thyroid hormone in cultures of dissociated brain cells from embryonic mice. Bhat NR, et al. **J Neurochem** 1981 Sep; 37(3):695–701

Influence of triiodothyronine on the amino acid uptake of brain and spinal cord in normal and spinal hemisected adult rats. Wells MR, et al. **J Neurosci Res** 1981;6(5):609–20

Modulation of estrogen-induced peroxidase activity in the rat uterus by thyroid hormones. Keeping HS, et al. **J Steroid Biochem** 1982 Jan;16(1):45–9

Growth inhibitory effects of thyroid hormones on androgen-dependent mammary tumor cells. Natoli C, et al. **J Steroid Biochem** 1981 Dec;15:409–13

Studies on the mechanism of thyroid hormone stimulation in vitro of human red cell Ca2+-ATPase activity. Davis PJ, et al. **Life Sci** 1982 Feb 15-22;30(7–8):675–82

Sodium potassium dependent ATPase in hypophysectomized rats: response to growth hormone, triiodothyronine, and cortisone. Shimomura Y, et al. **Metabolism** 1982 Mar; 31(3):213–6

Repeated administration of triiodothyronine (T3) to rats enhances nigrostriatal and mesolimbic dopaminergic behavioural responses. Heal DJ, et al. **Neuropharmacology** 1982 Feb;21(2):159–62

Effect of triiodothyronine on (Na+ G K+)-adenosine triphosphatase and (Na+ + Mg2+)-dependent phosphorylated intermediate in rat salivary glands. Lo CS, et al. **Pflugers Arch** 1981 Dec;392(2):134–8

Inhibition of the early circulatory effects of triiodothyronine in rats by propranolol. Kapitola J, et al. **Physiol Bohemoslov** 1981;30(4):347–51

Effect of realimentation and triiodothyronine on DNA synthesis in intact and partially resected rat liver. Simek J, et al. **Physiol Bohemoslov** 1981;30(6):543–8

Crucial role of thyroid hormone in x-ray-induced neoplastic transformation in cell culture. Guernsey DL, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5708–11

Two-dimensional gel analysis of rat liver nuclear proteins after thyroidectomy and thyroid hormone treatment. Nikodem VM, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4411–5

Thyroid hormone attenuates and augments hepatic gene expression at a pretranslational level. Seelig S, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4733–7

Enhancement of human B lymphocyte differentiation in vitro by thyroid hormone. Paavonen T. **Scand J Immunol** 1982 Feb;15(2):211–5

Hypothyroidism elicits electrophysiological noradrenergic subsensitivity in rat cerebellum. Marwaha J, et al. **Science** 1981 Nov 6;214(4521):675–7

[Changes in indices of contractility and relaxation of human cardiac muscle after administration of thyroid hormone] Tesauro P, et al. **Minerva Cardioangiol** 1981 Sep; 29(9):451–60 (Eng. Abstr.) **(Ita)**

[Ectoapyrase activity of chick erythrocytes and its modification by triiodothyronine during ontogeny] Kuus KhV, et al. **Ontogenez** 1982 Mar-Apr;13(2):193–7 (Eng. Abstr.) **(Rus)**

[Triiodothyronine and fatty tissue of the epididymis] González-Padrones T, et al. **Rev Clin Esp** 1982 Mar 15; 164(5):317–20 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Relationships between circulating and intracellular thyroid hormones: physiological and clinical implications. Larsen PR, et al. **Endocr Rev** 1981 Winter;2(1):87–102 (165 ref.)

Thyroid hormone-carbohydrate interaction at the hepatic nuclear level. Mariash CN, et al. **Fed Proc** 1982 Aug; 41(10):2671–6

Multihormonal control of enzyme clusters in rat liver ontogenesis. II. Role of glucocorticosteroid and thyroid hormone and of glucagon and insulin. Lamers WH, et al. **Mech Ageing Dev** 1981 Jan;15(1):93–118

Influence of ambient temperature on caloriganic action of thyroid hormones in young mice. Haidmayer R, et al. **Pflugers Arch** 1981 Aug;391(2):125–8

Regulation of thyrotropin secretion by 3,5,3'-triiodothyronine and thyroxine. Larsen PR. **Prog Clin Biol Res** 1981;74:81–93 (33 ref.)

[Reciprocal effects of thyroid hormones and catecholamines on adipose tissue metabolism] Llamas R. **Gac Med Mex** 1982 Jan;118(1):17–20 **(Spa)**

[Hyperthyroidism caused by triiodothyronine (T3-toxicosis)] Degrossi OJ, et al. **Medicina (B Aires)** 1981;41(3):337–42 (Eng. Abstr.) **(Spa)**

SECRETION

The effect of deep hypothermia on the secretion of thyroid hormones and cortisol and oxygen consumption in guinea-pigs. Leppäluoto J, et al. **Acta Physiol Scand** 1981 Aug;112(4):417–20

Effect of chronic iodide supplements on thyroid secretion: the role of lysosomes. Lamas L, et al. **Endocrinology** 1982 May;110(5):1804–11

Iodothyronine secretion from perfused dog thyroid lobes after prolonged thyrotropin treatment in vivo. Taurberg P. **Endocrinology** 1981 Nov;109(5):1560–5

Effects of iodide and propylthiouracil on the release of 3,5,3'-triiodothyronine and of cyclic adenosine 3',5'-monophosphate from perifused rat thyroids. Mashita K, et al. **Endocrinology** 1982 Mar;110(3):1023–9

The stimulation of thyroid hormone secretion in vitro by thyroid-stimulating antibodies. Atkinson S, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1263–6

THERAPEUTIC USE

Triiodothyronine and thyroxine treatment of diffuse non-toxic goitre evaluated by ultrasonic scanning. Perrild H, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):382–7

Case reports of L-triiodothyronine potentiation [letter] Extein I. **Am J Psychiatry** 1982 Jul;139(7):966–7

Potentiation of antidepressant effects by L-triiodothyronine in tricyclic nonresponders. Goodwin FK, et al. **Am J Psychiatry** 1982 Jan;139(1):34–8

Questions about L-triiodothyronine and depression [letter] Goodwin FK, et al. **Am J Psychiatry** 1982 Jul;139(7):966

Long-term evaluation of thyroidal response to partial calorie restriction in obesity. Moreira-Andrés MN, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):621–6

Treatment of dopamine-dependent shock with triiodothyronine. Hesch RD, et al. **Endocr Res Commun** 1981;8(4):229–37

Familial hyperthyroidism due to inappropriate thyrotropin secretion successfully treated with triiodothyronine. Rösler A, et al. **J Clin Endocrinol Metab** 1982 Jan;54(1):76–82

Sequential serum thyroglobulin determinations, 131I scans, and 131I uptakes after triiodothyronine withdrawal in patients with thyroid cancer. Schneider AB, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1199–206

[Effects of triiodothyronine and thyroxine in the initial stages of treatment of hypothyroidism] Ceňková V, et al. **Vnitr Lek** 1982 Jun;28(6):587–94 (Eng. Abstr.) **(Cze)**

[Urinary calcium and phosphate during fasting. Effect of various hormonal factors (author's transl)] Asch L, et al. **Sem Hop Paris** 1982 Jun 10;58(23):1432–6 (Eng. Abstr.) **(Fre)**

[Thyroid neoplasms: treatment with thyroid hormones after thyroidectomy (author's transl)] Horster FA. **Praxis** 1982 Apr 20;71(16):691–3 (Eng. Abstr.) **(Ger)**

URINE

Urinary free T4 and T3 in healthy infants and during noise exposure. von Petrykowski W, et al. **Horm Res** 1982 Jan-Feb;16(1):56–60

Urinary immunoprecipitation method for estimation of thyroxine to triiodothyronine conversion in altered thyroid states. LoPresti JS, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):666–70

A new method for measurement of the conversion ratio of thyroxine to triiodothyronine in euthyroid man. Warren DW, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1218–22

TRIIODOTHYRONINE, REVERSE see under **TRIIODOTHYRONINE**

TRIKETOCHOLANIC ACID see **DEHYDROCHOLIC ACID**

TRILOGY OF FALLOT see under **HEART SEPTAL DEFECTS, ATRIAL**

TRIMEBUTINE see under **BENZOATES**

TRIMECAINE see under **ACETANILIDES**

TRIMEDOXIME see under **OXIMES**

TRIMEPRANOL see under **PROPANOLAMINES**

TRIMEPRAZINE

Premedication of children with trimeprazine tartrate. Bramwell RG, et al. **Br J Anaesth** 1981 Aug;53(8):821–6

Comparative study of lorazepam and trimeprazine for oral premedication in paediatric anaesthesia. Peters CG, et al. **Br J Anaesth** 1982 Jun;54(6):623–8

TRIMESTER, FIRST see **PREGNANCY TRIMESTER, FIRST**

TRIMESTER, SECOND see **PREGNANCY TRIMESTER, SECOND**

TRIMESTER, THIRD see **PREGNANCY TRIMESTER, THIRD**

TRIMETAPHAN see **TRIMETHAPHAN**

TRIMETAZIDINE see under **PIPERAZINES**

TRIMETHADIONE see under **OXAZOLES**

TRIMETHAPHAN

ADMINISTRATION & DOSAGE

Use of a mixture of sodium nitroprusside and trimetaphan [letter] **Anaesthesia** 1981 Aug;36(8):827–8

PHARMACODYNAMICS

[Effects of halothane and trimethaphan on hepatic blood flow, oxygen consumption and serum enzyme leakage in the dog (author's transl)] Matsumoto N, et al. **Masui** 1981 Jul;30(7):709–14 (Eng. Abstr.) **(Jpn)**

[Effects of trimethaphan, nitroprusside and nitroglycerin on organ (author's transl)] Nakagawa M. **Masui** 1981 Dec; 30(12):1301–9 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[A clinical study of anesthesia with droperidol, diazepam, nitrous oxide and oxygen (DDGO anesthesia)–Part 3—A change of adrenocortical function and carbohydrate metabolism in hypertensive patients controlled with trimethaphan or halothane (author's transl)] Mishima S, et al. **Masui** 1981 Jul;30(7):720–4 (Eng. Abstr.) **(Jpn)**

TRIMETHIDINIUM COMPOUNDS see under **AMMONIUM COMPOUNDS**

TRIMETHOBENZAMIDE

METABOLISM

The relationship between serum and saliva trimethobenzamide concentrations in man. Robert TA, et al. **J Clin Pharmacol** 1982 Jan;22(1):53–8

TRIMETHOPRIM

Trimethoprim in a selective medium for isolation of gonococci [letter] Erdman YJ, et al. **Br J Vener Dis** 1981 Oct;57(5):348–9

ADMINISTRATION & DOSAGE

Trimethoprim-sulfamethoxazole therapy. Everything's not turning up roses. Stockman JA 3d. **Am J Dis Child** 1981 Dec;135(12):1094–5

Prevention of infection by trimethoprim-sulfamethoxazole plus amphotericin B in patients with acute nonlymphocytic leukaemia. Dekker AW, et al. **Ann Intern Med** 1981 Nov; 95(5):555–9

Treatment of chancroid with single-dose doxycycline compared with a two-day course of co-trimoxazole. Meheus A, et al. **Ann Soc Belg Med Trop** 1981 Mar; 61(1):119–24

Single dose trimethoprim-sulphamethoxazole treatment of symptomatic urinary infection. Pitt WR, et al.

Arch Dis Child 1982 Mar;57(3):229–31
Treatment of acute urinary tract infection with three doses of co–trimoxazole. Rapoport J, et al.
Br Med J [Clin Res] 1981 Nov 14;283(6302):1302–3
Efficacy of the tobramycin – cotrimoxazole – cephalothin combination for febrile episodes in leukemic patients with granulocytopenia. Mozzana R, et al.
Haematologica (Pavia) 1981 Oct;66(5):634–44
Observations relating to an inter–hospital outbreak of methicillin–resistant Staphylococcus aureus: role of antimicrobial therapy in infection control. Ward TT, et al. **Infect Control** 1981 Nov–Dec;2(6):453–9
Effect of combined antibiotic therapy on fertility in brood bitches infected with Brucella canis. Johnson CA, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1330–3
Single vs. twice daily dosage in the treatment of urinary tract infections [letter] Asscher AW, et al.
J Antimicrob Chemother 1982 Mar;9(3):242–3
Trimethoprim/sulphadiazine compared with penicillin V in the treatment of streptococcal throat infections. Hoskins TW, et al. **J Antimicrob Chemother** 1981 Dec;8(6):495–6
Sulphadiazine/trimethoprim once daily in maxillary sinusitis: a randomized double–blind comparison with sulphamethoxazole/trimethoprim B.I.D. Federspil P, et al.
J Int Med Res 1981;9(6):478–81
A study of the effectiveness of rifaprim in chronic prostatitis caused mainly by Staphylococcus aureus. Giamarellou H, et al. **J Urol** 1982 Aug;128(2):321–4
Therapy for acute cystitis in adult women. Randomized comparison of single–dose sulfisoxazole vs trimethoprim–sulfamethoxazole. Buckwold FJ, et al.
JAMA 1982 Apr 2;247(13):1839–42
Treatment of chancroid. Comparison of sulfamethoxazole–trimethoprim with recommended therapies. Fitzpatrick JE, et al. **JAMA** 1981 Oct 16; 246(16):1804–5
Gram–negative bacillary meningitis [editorial] Gates RH, et al. **JAMA** 1982 Sep 10;248(10):1217–8
Klebsiella pneumoniae meningitis. Intravenous trimethoprim–sulfamethoxazole treatment. Hickstein DD, et al. **JAMA** 1982 Sep 10;248(10):1212–3
Response of Pneumocystis carinii pneumonia only after high–dose cotrimoxazole [letter] McKenna F, et al.
Lancet 1982 Jan 16;1(8264):174
Co–trimoxazole alone for prevention of bacterial infection in patients with acute leukaemia. Starke ID, et al.
Lancet 1982 Jan 2;1(8262):5–6
High–dose co–trimoxazole and its penetration through uninflamed meninges. Goodwin CS, et al. **Med J Aust** 1981 Jul 11;2(1):24–7
Trimethoprim–sulfamethoxazole for intravenous infusion.
Med Lett Drugs Ther 1981 Nov 27;23(24):102–3
Treatment of travelers' diarrhea with trimethoprim/sulfamethoxazole and with trimethoprim alone. DuPont HL, et al. **N Engl J Med** 1982 Sep 30; 307(14):841–4
Perils of prophylaxis [editorial] Jacoby GA.
N Engl J Med 1982 Jan 7;306(1):43–4
Failure of oral trimethoprim–sulfamethoxazole prophylaxis in acute leukemia: isolation of resistant plasmids from strains of Enterobacteriaceae causing bacteremia. Wilson JM, et al. **N Engl J Med** 1982 Jan 7;306(1):16–20
Oral or intravenous trimethoprim–sulfamethoxazole therapy for shigellosis. Nelson JD, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):546–50
Clinical evaluation of intravenous trimethoprim–sulfamethoxazole for serious infections. Schmidt U, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):332–7
Single–dose therapy with trimethoprim–sulfamethoxazole for urinary tract infection in women. Tolkoff–Rubin NE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):444–8
An evaluation of co–trimoxazole in the treatment of Plasmodium falciparum malaria. Hansford CF, et al.
S Afr Med J 1982 Apr 3;61(14):512–4
Pharmacokinetics of trimethoprim given in single daily doses for three days. Ahlmén J, et al. **Scand J Infect Dis** 1982; 14(2):143–5
Low dose trimethoprim prophylaxis in long term control of chronic recurrent urinary tract infection. Svensson R, et al. **Scand J Infect Dis** 1982;14(2):139–42
Prophylaxis of bacterial infection by sulfamethoxazole–trimethoprim (SMX–TMP) during chemotherapy in patients with childhood acute leukemia. Tono–oka T, et al. **Tohoku J Exp Med** 1981 Jul; 134(3):273–9
[Chronic urinary tract infections and their treatment with the rifampicin–trimethoprim combination (author's transl)] Prát V, et al. **Cas Lek Cesk** 1980 Oct 17;119(42):1137–40 (Eng. Abstr.) **(Cze)**
[Double–blind comparative trial of trimethoprim–polymyxin B and trimethoprim–sulphacetamide–polymyxin B ear drops in the treatment of otorrhoea (author's transl)] Gyde MC. **Ann Otolaryngol Chir Cervicofac** 1981;98(1–2):37–40 (Eng. Abstr.) **(Fre)**
[Trial of a new bactericide: Quam, in infectious otorhinolaryngologic pathology] Dubreuil C, et al.
J Fr Otorhinolaryngol 1981 Nov;30(9):615–8 **(Fre)**
[Treatment of urinary infection with a single dose of co–trimoxazole compared with a single dose of amoxicillin and a placebo] Dubi J, et al. **Schweiz Med Wochenschr** 1982 Jan 16;112(3):90–2 (Eng. Abstr.) **(Fre)**
[Comparative evaluation of various antibiotics and Biseptol in the treatment of exacerbation of chronic bronchial diseases] Krawczyk Z, et al. **Pol Tyg Lek** 1981 Jun 22; 36(25):927–30 (Eng. Abstr.) **(Pol)**
[Biseptol–480 in the treatment of gonorrhea in women] Turanova EN, et al. **Vestn Dermatol Venerol** 1981 Jul; (7):64–7 (Eng. Abstr.) **(Rus)**
[Endocarditis caused by Serratia marcescens sterilized by cefotaxime and trimethoprim–sulfamethoxazole] Sieres M, et al. **Rev Esp Cardiol** 1982;35(1):79–81 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hematologic abnormalities after oral trimethoprim–sulfamethoxazole therapy in children. Asmar BI, et al. **Am J Dis Child** 1981 Dec;135(12):1100–3
Trimethoprim–sulfamethoxazole–induced cholestasis. Abi–Mansur P, et al. **Am J Gastroenterol** 1981 Oct; 76(4):356–9
Megaloblastosis and low–dose trimethoprim–sulfamethoxazole [letter] Magee F, et al.
Ann Intern Med 1981 Nov;95(5):657
Comparative tolerability of ampicillin, amoxicillin, and trimethoprim–sulfamethoxazole suspensions in children with otitis media. Feder HM Jr.
Antimicrob Agents Chemother 1982 Mar;21(3):426–7
Recurrent trimethoprim–associated fixed skin eruption. Gibson JR. **Br Med J [Clin Res]** 1982 May 22; 284(6328):1529–30
Trimethoprim/sulfamethoxazole–associated pseudomembranous colitis. Scott SA.
Drug Intell Clin Pharm 1982 Mar;16(3):244–6
Transient elevation of alkaline phosphatase possibly related to trimethoprim–sulfamethoxazole therapy. DeVito GA Jr.
J Pediatr 1982 Jun;100(6):998–9
Prophylactic use of TMP–SMZ in leukemia [letter] Lanzkowsky P, et al. **J Pediatr** 1982 Jun;100(6):1002–3
Pseudomembranous colitis after trimethoprim–sulfamethoxazole therapy. Alpert B, et al.
J Urol 1982 May;127(5):992–3
Co–trimoxazole prophylaxis in leukaemia [letter] Drysdale HC, et al. **Lancet** 1982 Feb 20;1(8269):448
Trimethoprim–associated marrow toxicity not proven [letter] Gicheru K. **Lancet** 1981 Nov 14;2(8255):1112
Trimethoprim–associated marrow toxicity [letter] Sheehan J. **Lancet** 1981 Sep 26;2(8248):692
Trimethoprim marrow toxicity [letter] Sheehan J. **Lancet** 1981 Dec 5;2(8258):1294
Phenytoin intoxication and cotrimoxazole [letter] Wilcox JB.
NZ Med J 1981 Sep 23;94(692):235–6
Adverse reactions to trimethoprim–sulfamethoxazole in hospitalized patients. Jick H. **Rev Infect Dis** 1982 Mar–Apr; 4(2):426–8
Adverse reactions to trimethoprim–sulfamethoxazole. Lawson DH, et al. **Rev Infect Dis** 1982 Mar–Apr; 4(2):429–33 (36 ref.)
[Bone marrow aplasia induced by sulfamethoxazole–trimethoprim. Evidence of an allergic mechanism (letter)] Chanu B, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3496–7 **(Fre)**
[Hematologic and dermatologic side–effects of antibiotic therapy] Kuntz HD, et al. **Med Klin [Prax]** 1982 Mar 12; 77(6):46–53 (Eng. Abstr.) **(Ger)**
[Interstitial pneumonia caused by Sumetrolim allergy] Román H, et al. **Orv Hetil** 1982 Feb 28;123(9):539–40 **(Hun)**
[Cotrimoxazole and nephrotoxicity (letters)] Bonal J.
Med Clin (Barc) 1981 Jun 25;77(2):85 **(Spa)**
[Adverse effects of trimethoprim. More than a year of experience] **Lakartidningen** 1982 Jan 20;79(3):124 **(Swe)**

ANALOGS & DERIVATIVES

The use of mass spectrometric data to predict biological activity. Brent DA, et al. **Biomed Mass Spectrom** 1981 Sep; 8(9):440–5
2,4–Diamino–5–benzylpyrimidines and analogues as antibacterial agents. 5. 3',5'–Dimethoxy–4'–substituted–benzyl analogues of trimethoprim. Roth B, et al. **J Med Chem** 1981 Aug; 24(8):933–41
New analogs of trimethoprim. Then RL, et al.
Rev Infect Dis 1982 Mar–Apr;4(2):372–7 (10 ref.)

ANALYSIS

Quantitative infrared analysis of the interaction between trimethoprim and sulfamethoxazole in solid phase. Bettinetti GP, et al. **Farmaco [Prat]** 1981 Oct;36(10):469–77
Trimethoprim and sulfadiazine concentrations in aqueous and vitreous humors of the dog. Sigel CW, et al. **VM SAC** 1981 Jul;76(7):991–3

BLOOD

Serum concentrations of trimethoprim and sulfadiazine following oral paste administration to the horse. Sigel CW, et al. **Am J Vet Res** 1981 Nov;42(11):2002–5
Effect of co–trimoxazole in drug metabolism. del Villar JA, et al. **Arch Farmacol Toxicol** 1981 Aug;7(2):249–52
Quantitative thin–layer chromatography of trimethoprim and tetroxoprim using fluorescence densitometry. Schlöbe R, et al. **J Chromatogr** 1982 Jun 11;230(1):212–5
Pharmacology of trimethoprim–sulfamethoxazole in newborn infants. Springer C, et al. **J Pediatr** 1982 Apr;100(4):647–50
Intravenous pharmacokinetics and in vitro bactericidal activity of trimethoprim–sulfamethoxazole. Spicehandler J, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):562–5

IMMUNOLOGY

Failure to stimulate antibodies in man after 7 days' high–dose treatment with rifampicin [letter] Brumfitt W, et al.
Lancet 1981 Oct 17;2(8251):865

METABOLISM

Levels of trimethoprim and sulfamethoxazole in human oviduct mucosa and plasma. Brihmer C, et al.
Acta Obstet Gynecol Scand 1982;61(2):149–52
Pharmacokinetics of trimethoprim and sulfadiazine in the dog: urine concentrations after oral administration. Sigel CW, et al. **Am J Vet Res** 1981 Jun;42(6):996–1001
Pharmacokinetics of trimethoprim and tetroxoprim. A review. Hengstmann JH. **Antibiot Chemother** 1982; 31:211–25 (38 ref.)
Pharmacokinetics of sulfamethoxazole—trimethoprim combination during chronic peritoneal dialysis: effect of peritonitis. Singlas E, et al. **Eur J Clin Pharmacol** 1982; 21(5):409–15
The charge state of trimethoprim bound to Lactobacillus casei dihydrofolate reductase. Roberts GC, et al.
FEBS Lett 1981 Aug 17;131(1):85–8
Pharmacokinetics of co–trimoxazole and co–tetroxazine in geriatric patients. Naber K, et al. **Infection** 1981;9(5):239–43
Single and multiple dose kinetics of co–tetroxazine and co–trimoxazole in patients. Vergin H, et al.
Int J Clin Pharmacol Ther Toxicol 1981 Aug;19(8):350–7
Comparison of pharmacokinetics of sulphadiazine and sulphamethoxazole after intravenous infusion. Männistö PT, et al. **J Antimicrob Chemother** 1982 Jun;9(6):461–70
Drug interference with reagent strip method for measuring urea [letter] Gregory J, et al. **Lancet** 1982 Aug 21; 2(8295):443
1H and 31P NMR characterization of two conformations of the trimethoprim–NADP+–dihydrofolate reductase complex. Gronenborn A, et al. **Mol Pharmacol** 1981 Jul; 20(1):145–53
In vitro absorption studies on trimethoprim and sulfamethoxazole. Note I. Caramella C, et al.
Pharm Acta Helv 1982;57(5–6):154–9
Pharmacokinetics of intravenous trimethoprim–sulfamethoxazole in children and adults with normal and impaired renal function. Siber GR, et al.
Rev Infect Dis 1982 Mar–Apr;4(2):566–78
[Antibacterial therapy in surgery of the inner and middle ear. A study of co–trimoxazole penetration into the perilymph (author's transl)] Jacob M, et al.
Nouv Presse Med 1982 Jun 19;11(29):2205–9 (Eng. Abstr.) **(Fre)**
[Lung tissue diffusion of intravenous trimethoprim–sulfamethoxazole combination (author's transl)] Morel C, et al. **Pathol Biol (Paris)** 1982 Jun; 30(6):380–4 (Eng. Abstr.) **(Fre)**
[Bone diffusion of trimethoprim and sulfamethoxazole high pressure liquid chromatography (HPLC) (author's transl)] Saux MC, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):385–8 (Eng. Abstr.) **(Fre)**
[Diffusion of the drug combination sulfamethoxazole–trimethoprim. Microdetermination in the perilymph, blood and urine of subjects with otosclerosis] Jacob M, et al. **Pharm Acta Helv** 1982;57(3):93–6 **(Fre)**
[Importance of antibiotherapy in surgery of the middle and internal ear. Study on the diffusion of the combination sulfamethoxazole–trimethoprim in the perilymph] Jacob M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct; 102(9–10):445–52 **(Fre)**
[Levels of sulfametrole–trimethoprim in blood and lung–tissue during treatment of respiratory tract infection (author's transl)] Wieser O, et al.
Wien Med Wochenschr 1981;131(13–14):363–6 (Eng. Abstr.) **(Ger)**
[Dissolution behavior and bioavailability of sulfamethoxazole/trimethoprim complex (author's transl)] Takagishi Y, et al. **Yakugaku Zasshi** 1981 Aug;101(8):740–6 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Influence of co–trimoxazole on methotrexate pharmacokinetics in children with acute lymphoblastic leukemia. Beach BJ, et al.
Am J Pediatr Hematol Oncol 1981 Summer;3(2):115–9
Bactericidal activity of trimethoprim alone and in combination with sulfamethoxazole on susceptible and resistant Escherichia coli K–12. Amyes SG.
Antimicrob Agents Chemother 1982 Feb;21(2):288–93
Agar dilution susceptibility of Bacteroides spp. to sulfamethoxazole and trimethoprim: correlation with a disk diffusion technique. Riley TV.
Antimicrob Agents Chemother 1981 Dec;20(6):731–5
Synergistic interaction of trimethoprim and sulfamethoxazole on Paracoccidioides brasiliensis. Stevens DA, et al.
Antimicrob Agents Chemother 1982 May;21(5):852–4
Occurrence of transposable trimethoprim resistance in clinical isolates of Escherichia coli devoid of self–transmissible resistance plasmids. Towner KJ, et al.
Antimicrob Agents Chemother 1982 Feb;21(2):336–8
Incidence of resistance to ampicillin, chloramphenicol,

kanamycin, tetracycline and trimethoprim of Salmonella strains isolated in The Netherlands during 1975–1980. van Leeuwen WJ, et al. **Antonie Van Leeuwenhoek** 1982; 48(1):85–96

The effect of co–trimoxazole on serum creatinine. Dijkmans BA, et al. **Br J Clin Pharmacol** 1981 Nov;12(5):701–3

Inhibition of Neisseria gonorrhoeae isolates by Martin–Lewis medium. Epidemiology, susceptibility profile, and plasma analysis. Miller MA, et al. **Br J Vener Dis** 1982 Apr; 58(2):96–100

Transposons encoding trimethoprim or gentamicin resistance in medically important bacteria. Datta N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:45–51

In vitro studies with combinations of sulfamoxole and trimethoprim (co–trifamole). Grüneberg RN. **Curr Med Res Opin** 1982;8(2):128–33

A chronic carrier of trimethoprim–sulphamethoxazole–resistant Shigella flexneri serotype 1. Gebre–Yohannes A, et al. **Ethiop Med J** 1981 Apr;19(2):53–7

Activity of sulfa drugs and dihydrofolate reductase inhibitors against Candida albicans. Bush K, et al. **Experientia** 1982 Apr 15;38(4):436–7

Chronic granulomatous disease: effect of sulfamethoxazole/trimethoprim on neutrophil microbicidal function. Seger RA, et al. **Helv Paediatr Acta** 1981; 36(6):579–88

Trimethoprim–induced augmentation of human natural killer activity in vitro. Matheson DS, et al. **Immunopharmacology** 1982 Feb;4(1):73–7

Trimethoprim resistance in Klebsiella. Bhatia R, et al. **Indian J Med Res** 1982 Feb;75:201–4

Co–trimoxazole induced diuresis. Tobin MJ, et al. **Ir J Med Sci** 1982 Mar;151(3):81–2

In–vitro bactericidal synergism of rifampicin and trimethoprim and implications for treatment of carriers of Haemophilus influenzae. McDougal LK, et al. **J Antimicrob Chemother** 1982 May;9(5):369–78

In–vitro susceptibility test of non–tuberculous mycobacteria to sulphamethoxazole, trimethoprim, and combinations of both. Rodloff AC. **J Antimicrob Chemother** 1982 Mar; 9(3):195–9

Trimethoprim–produced F–specific insertion mutations in Escherichia coli K–12. Mukhopadhyay P, et al. **J Bacteriol** 1982 May;150(2):755–61

Elaboration of type b capsule by Haemophilus influenzae as a determinant of pathogenicity and impaired killing by trimethoprim–sulfamethoxazole. Yogev R, et al. **J Clin Invest** 1982 Mar;69(3):658–65

Separate or combined disk agar diffusion techniques in cotrimoxazole sensitivity testing and use of single versus combination therapy [letter] Rudensky B. **J Clin Pathol** 1982 May;35(5):583

Effects of trimethoprim and sulphonamide preparations on the pituitary–thyroid axis of rodents. Cohen HN, et al. **J Endocrinol** 1981 Nov;91(2):299–303

Acquisition of trimethoprim resistance in epidemic strain of Shigella dysenteriae type 1 from Zaire [letter] Frost JA, et al. **Lancet** 1982 Apr 24;1(8278):963

Trimethoprim highly resistant, sulphonamide sensitive bacteria [letter] Huovinen P, et al. **Lancet** 1981 Nov 28; 2(8257):1235–6

Epidemic Shigella sonnei resistant to co–trimoxazole [letter] Pérez Trallero E, et al. **Lancet** 1981 Oct 3;2(8249):751

Co–trimoxazole and the thyroid [letter] Smellie JM, et al. **Lancet** 1982 Jul 10;2(8289):96

Trimethoprim–sulfamethoxazole. Smith LG, et al. **Med Clin North Am** 1982 Jan;66(1):143–56 (143 ref.)

Bacterial resistance to trimethoprim–sulfamethoxazole [letter] **N Engl J Med** 1982 Jul 1;307(1):60–2

Emergence of high–level trimethoprim resistance in fecal Escherichia coli during oral administration of trimethoprim or trimethoprim–sulfamethoxazole. Murray BE, et al. **N Engl J Med** 1982 Jan 21;306(3):130–5

Chronic granulomatous disease: mode of action of sulfamethoxazole/trimethoprim. Gmünder FK, et al. **Pediatr Res** 1981 Dec;15(12):1533–7

Genetic aspects and epidemiologic implications of resistance to trimethoprim. Acar JF, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):270–5

Interactions of rifampin and trimethoprim in vitro. Alvarez S, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):390–401

Molecular mechanisms of resistance to trimethoprim. Burchall JJ, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):246–54

Activity of trimethoprim–sulfamethoxazole against Chlamydia trachomatis in vitro. Hammerschlag MR. **Rev Infect Dis** 1982 Mar–Apr;4(2):500–5

Synergism in the folate pathway. Harvey RJ. **Rev Infect Dis** 1982 Mar–Apr;4(2):255–60

Laboratory surveillance of synergy between and resistance to trimethoprim and sulfonamides. O'Brien TF, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):351–7

Mechanisms of resistance to trimethoprim, the sulfonamides, and trimethoprim–sulfamethoxazole. Then RL. **Rev Infect Dis** 1982 Mar–Apr;4(2):261–9 (60 ref.)

Resistance to trimethoprim among urinary tract isolates in the United Kingdom. Towner KJ. **Rev Infect Dis** 1982 Mar–Apr;4(2):456–60

In vitro activity of trimethoprim and sulfamethoxazole against the nontuberculous mycobacteria. Wallace RJ Jr, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):326–31

Effect of trimethoprim or trimethoprim/sulphamethoxazole usage on the emergence of trimethoprim resistance in urinary tract pathogens. Dornbusch K, et al. **Scand J Infect Dis** 1981;13(3):203–10

Epidemiologic features of urinary infections due to enterobacteriaceae resistant to nalidixic acid and trimethoprim. Light RB, et al. **Scand J Infect Dis** 1981; 13(3):195–202

Frequency and transmissibility of trimethoprim resistance in enterobacteria from urinary infections. Sellers J. **Scand J Infect Dis** 1982;14(2):157–8

Effect of co–trimoxazole and sulfamethoxazole on serum creatinine in normal subjects. Roy MT, et al. **Ther Drug Monit** 1982;4(1):77–9

[Distribution of transferable trimethoprim and gentamicin resistance plasmids in Enterobacteriaceae] Tschäpe H, et al. **Z Allg Mikrobiol** 1981;21(8):611–21 (Eng. Abstr.) **(Ger)**

[Influence of Berlocombin 200 and its components trimethoprim and mebacid upon the quality of dental hard tissues of rabbits (author's transl)] Radtke G, et al. **Zahn Mund Kieferheilkd** 1981;69(3):368–74 (Eng. Abstr.) **(Ger)**

[Evaluation of chemoantibiotics resistance of gram–negative bacteria isolated from urinary tract infections (author's transl)] Pasargiklian I, et al. **Ann Sclavo** 1981 Jul–Aug; 23(4):439–48 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

A comparative trial of oral chloroquine and oral co–trimoxazole in vivax malaria in children. Lal H. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):438–40

Failure of trimethoprim–sulfamethoxazole in the therapy of recurrent Pneumocystis carinii pneumonia. Mitsuyasu RT, et al. **Am Rev Respir Dis** 1982 Jun;125(6):762–5

Trimethoprim–sulfamethoxazole and granulocytopenia [letter] Bakri KM, et al. **Ann Intern Med** 1982 Mar; 96(3):381–2

Prophylactic trimethoprim–sulfamethoxazole during consolidation chemotherapy for acute leukemia: a controlled trial. Weiser B, et al. **Ann Intern Med** 1981 Oct; 95(4):436–8

Trimethoprim–Sulfamethoxazole and bacterial infections during leukemia therapy [editorial] Young LS. **Ann Intern Med** 1981 Oct;95(4):508–9

Treatment of uncomplicated urinary tract infections with trimethoprim versus sulfisoxazole, with special reference to antibody–coated bacteria and fecal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):842–50

Trimethoprim–sulfamethoxazole therapy of experimental Escherichia coli meningitis in rabbits. Mylotte JM, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):81–7

A trial comparing cefaclor with co–trimoxazole in the treatment of acute otitis media. Feldman W, et al. **Arch Dis Child** 1982 Aug;57(8):594–6

Trimethoprim alone in the treatment and prophylaxis of urinary tract infection. Light RB, et al. **Arch Intern Med** 1981 Dec;141(13):1807–10

Oral trimethoprim versus oxytetracycline in the treatment of inflammatory acne vulgaris. Gibson JR, et al. **Br J Dermatol** 1982 Aug;107(2):221–4

Effect of single–dose prophylactic co–trimoxazole on the incidence of gynaecological postoperative urinary tract infection. Ireland D, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):578–80

Treatment of urinary tract infection with a single dose of amoxycillin, co–trimoxazole, or trimethoprim.. Harbord RB, et al. **Br Med J [Clin Res]** 1981 Nov 14; 283(6302):1301–2

Trimethoprim resistance in hospitals. Huovinen P, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):782–4

Failure of rifampicin and co–trimoxazole in Q fever endocarditis. Subramanya NI, et al. **Br Med J [Clin Res]** 1982 Jul 31;285(6338):343–4

Trimethoprim–sulfamethoxazole treatment of multiantibiotic–resistant staphylococcal endocarditis and meningitis. Tamer MA, et al. **Clin Pediatr (Phila)** 1982 Feb; 21(2):125–6

A comparison of cinoxacin and co–trimoxazole in the treatment of cystitis. Schneider RE. **Clin Ther** 1982; 4(6):510–4

Evaluation of the clinical efficacy of erythromycin, amoxicillin and co–trimoxazole in the treatment of acute respiratory tract infections in paediatric patients. Bottone E, et al. **Curr Med Res Opin** 1982;8(2):67–74

Trimethoprim: clinical use and pharmacokinetics. Friesen WT, et al. **Drug Intell Clin Pharm** 1981 May;15(5):325–30 (49 ref.)

Chemoprophylaxis of recurrent otitis media using trimethoprim/sulfamethoxazole. Gaskins JD, et al. **Drug Intell Clin Pharm** 1982 May;16(5):387–90

Trimethoprim: a review of its antibacterial activity, pharmacokinetics and therapeutic use in urinary tract infections. Brogden RN, et al. **Drugs** 1982 Jun;23(6):405–30 (125 ref.)

Vancomycin plus gentamicin and cotrimoxazole for prevention of infections in neutropenic cancer patients (a comparative, placebo–controlled pilot study). Malarme M, et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1315–22

Short–term treatment of lower urinary tract infections in children with trimethoprim/sulphadiazine. Helin I. **Infection** 1981;9(5):249–51

The combination of pivmecillinam and pivampicillin compared to co–trimoxazole in the treatment of enteric fever. Tanphaichitra D, et al. **Infection** 1982;10(2):81–4

Co–trimoxazole versus cefaclor in acute on chronic bronchitis. Anderson G, et al. **J Antimicrob Chemother** 1981 Dec;8(6):487–9

A comparison of cefuroxime and co–trimoxazole in severe respiratory tract infections. Mehtar S, et al. **J Antimicrob Chemother** 1982 Jun;9(6):479–84

Resistance of urine pathogens to trimethoprim in Finland [letter] Räisänen S, et al. **J Clin Pathol** 1982 Jan;35(1):117–8

A controlled trial of cotrimoxazole therapy in serous otitis media. Marks NJ, et al. **J Laryngol Otol** 1981 Oct; 95(10):1003–9

Trimethoprim–sulfamethoxazole for cholangitis following hepatic portoenterostomy for biliary atresia. Chaudhary S, et al. **J Pediatr** 1981 Oct;99(4):656–8

Decreased incidence of nonspecific interstitial pneumonitis in children with acute lymphocytic leukemia treated prophylactically with trimethoprim–sulfamethoxazole. Morgan E. **J Pediatr** 1981 Nov;99(5):807–10

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of respiratory infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):159–62

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of urinary tract infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):154–8

Trimethoprim and co–trimoxazole in the treatment of acute urinary tract infections: patient compliance and efficacy. Andrewes DA, et al. **J R Coll Gen Pract** 1981 May; 31(226):274–8

Re: comparison of cinoxacin and trimethoprim–sulfamethoxazole in the treatment of urinary tract infections [letter] Hamilton–Miller JM. **J Urol** 1982 Jul;128(1):156

Salmonellosis complicating ulcerative colitis. Treatment with trimethoprim–sulfamethoxazole. Kressner MS, et al. **JAMA** 1982 Aug 6;248(5):584–5

Sulfonamides and trimethoprim [letter] Downey LJ, et al. **Lancet** 1982 Sep 4;2(8297):551

Sulphonamides and trimethoprim. Reeves D. **Lancet** 1982 Aug 14;2(8294):370–3

Co–trimoxazole versus non–absorbable antibiotics in acute leukaemia. Watson JG, et al. **Lancet** 1982 Jan 2;1(8262):6–9

Comparison of cinoxacin and co–trimoxazole in the treatment of urinary tract infections. de Jersey P, et al. **Med J Aust** 1982 Mar 20;1(6):267–8

Antimicrobial therapy in whooping cough. Henry RL, et al. **Med J Aust** 1981 Jul 11;2(1):27–8

Trimethoprim and parkinsonism [letter] Peace N. **Med J Aust** 1982 Feb 20;1(4):153

Prevention of infection and bleeding in leukemic patients receiving intensive remission maintenance therapy. Preisler HD, et al. **Med Pediatr Oncol** 1981;9(5):511–21

Trimethoprim–polymyxin eye drops versus neomycin–polymyxin–gramicidin eye drops in the treatment of presumptive bacterial conjunctivitis – a double–blind study. Genée E, et al. **Ophthalmologica** 1982 Jan;184(2):92–6

Comparison of once daily trimethoprim and standard co–trimoxazole in urinary infections. A clinical trial in general practice. Cartwright KA, et al. **Practitioner** 1982 Jan;226(1363):152–6

Use of a calf salmonellosis model to evaluate the therapeutic properties of trimethoprim and sulphadiazine and their mutual potentiation in vivo. White G, et al. **Res Vet Sci** 1981 Jul;31(1):27–31

Trimethoprim – sulfamethoxazole revisited. Cambridge, Massachusetts, November 16–19, 1980. **Rev Infect Dis** 1982 Mar–Apr;4(2):185–618

Combination of trimethoprim with sulfonamides other than sulfamethoxazole. Bernstein LS. **Rev Infect Dis** 1982 Mar–Apr;4(2):411–8 (48 ref.)

Treatment of experimentally induced enterotoxigenic Escherichia coli diarrhea with trimethoprim, trimethoprim–sulfamethoxazole, or placebo. Black RE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):540–5

Use of trimethoprim–sulfamethoxazole for treatment of infections in patients with cancer. Bodey GP, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):579–85

Parenteral trimethoprim–sulfamethoxazole and carbenicillin as empiric therapy for neutropenic patients with cancer. Braine HG, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):586–92

Use of trimethoprim alone or in combination with drugs other than sulfonamides. Brumfitt W, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):402–10 (58 ref.)

Treatment of concomitant Neisseria gonorrhoeae and Chlamydia trachomatis infections in women: comparison of trimethoprim–sulfamethoxazole with ampicillin–probenecid. Brunham RC, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):491–9

Response of typhoid fever caused by chloramphenicol–susceptible and chloramphenicol–resistant strains of Salmonella typhi to treatment with trimethoprim–sulfamethoxazole. Butler T, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):551–61

Comparison of trimethoprim–sulfamethoxazole with ampicillin in acute infectious exacerbations of chronic bronchitis: a double–blind crossover study. Chodosh S, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):517–27

Treatment of cystitis in women with a single dose of

trimethoprim-sulfamethoxazole. Counts GW, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):484-90

Prevention of travelers' diarrhea with trimethoprim-sulfamethoxazole. DuPont HL, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):533-9

Trimethoprim-sulfamethoxazole vs. ampicillin in the treatment of experimental meningitis due to Streptococcus pneumoniae. Durack DT, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):311-4

Trimethoprim-sulfamethoxazole and trimethoprim alone for prophylaxis of infection in granulocytopenic patients. Gurwith M, et al. **Rev Infect Dis** 1982 Mar-Apr; 4(2):593-601

Long-term antimicrobial prophylaxis for recurrent urinary tract infection in women. Harding GK, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):438-43

Antimicrobial prophylaxis in children with urinary tract infection and vesicoureteral reflux. Holland NH, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):467-74

The use of trimethoprim-sulfamethoxazole in the treatment of chest infections. Hughes DT, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):528-32 (14 ref.)

Trimethoprim-sulfamethoxazole therapy for Pneumocystis carinii pneumonitis in children. Hughes WT. **Rev Infect Dis** 1982 Mar-Apr;4(2):602-7

Trimethoprim-sulfamethoxazole in the treatment of malaria, toxoplasmosis, and pediculosis. Hutchinson DB, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):419-25 (18 ref.)

Trimethoprim once daily vs. nitrofurantoin in treatment of acute urinary tract infections in young women, with special reference to periurethral, vaginal, and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):378-87

Trimethoprim and sulfisoxazole in the treatment of urinary tract infections, with special reference to antibody-coated bacteria and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):388-9

Trimethoprim alone in the treatment of urinary tract infections: eight years of experience in Finland. Kasanen A, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):358-65 (43 ref.)

Antibacterial therapy for acute otitis media: a critical analysis. Marchant C, et al. **Rev Infect Dis** 1982 Mar-Apr; 4(2):506-13 (30 ref.)

Trimethoprim alone for treatment of urinary tract infection. Neu HC. **Rev Infect Dis** 1982 Mar-Apr;4(2):366-71 (27 ref.)

Trimethoprim-sulfamethoxazole: an assessment of more than 12 years of use. Salter AJ. **Rev Infect Dis** 1982 Mar-Apr; 4(2):196-236 (389 ref.)

Trimethoprim-sulfamethoxazole in treatment of severe infections. Salter AJ. **Rev Infect Dis** 1982 Mar-Apr; 4(2):338-50 (84 ref.)

Trimethoprim-sulfamethoxazole in the treatment of otitis media caused by ampicillin-resistant strains of Haemophilus influenzae. Schwartz RH, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):514-6

Trimethoprim-sulfamethoxazole and trimethoprim alone in the prophylaxis of childhood urinary tract infection. Smellie JM, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):461-6

Urinary prophylaxis with trimethoprim and trimethoprim-sulfamethoxazole: efficacy, influence on the natural history of recurrent bacteriuria, and cost control. Stamm WE, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):450-5

A controlled study of trimethoprim-sulfamethoxazole prophylaxis of urinary tract infection in renal transplant recipients. Tolkoff-Rubin NE, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):614-8

Use of trimethoprim-sulfamethoxazole for treatment of infections due to Nocardia. Wallace RJ Jr, et al. **Rev Infect Dis** 1982 Mar-Apr;4(2):315-25

Trimethoprim-sulfamethoxazole in the treatment of adults with pneumonia due to Pneumocystis carinii. Young LS. **Rev Infect Dis** 1982 Mar-Apr;4(2):608-13

Chemotherapeutic activity of the combination of sulfachloropyridazine and trimethoprim against experimental colibacillosis of chickens and piglets and demonstration of the trimethoprim-induced potentiation of sulfachloropyridazine in vitro and in vivo. Rosselet A, et al. **Schweiz Arch Tierheilkd** 1981 Aug;123(8):401-17

Trimethoprim-sulfamethoxazole therapy for infective endocarditis. Noble RC, et al. **South Med J** 1981 Nov; 74(11):1299-303

Trimethoprim-sulphamethoxazole in the treatment of enteric fever in the Sudan. Mukhtar ED, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):771-3

Kelfiprim, a new sulpha-trimethoprim combination, versus cotrimoxazole, in the treatment of urinary tract infections: a multicentre, double-blind trial. Pisani E, et al. **Urol Res** 1982 Feb;10(1):41-4

[A patient with (South American) mucocutaneous leishmaniasis recurring after treatment with co-trimoxazole] Smit F. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):379-80 (Eng. Abstr.) **(Dut)**

[Prophylaxis of recurrent urinary infections in children. Long-term use of a weak dose of trimethoprim-sulfamethoxazole] Schläppy P, et al. **Helv Paediatr Acta** 1981 Jul;36(3):241-8 (Eng. Abstr.) **(Fre)**

[Use of cotrimoxazole (Bactrim) in postoperative infectious respiratory and urinary complications in digestive surgery. Apropos of 30 cases] Schoenahl C, et al. **Med Chir Dig** 1981;10(5):455-9 **(Fre)**

[Treatment of initial urinary tract infection in children with cotrifamole and cotrimoxazole. A double-blind study] Weber HP, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):837-41 (Eng. Abstr.) **(Ger)**

[Short-term therapy of postoperative urinary tract infections in gynecology] Hoyme UA, et al. **Fortschr Med** 1982 Mar 4;100(9):385-8 (Eng. Abstr.) **(Ger)**

[Prevention of urinary tract infections with a single dose of cotrimoxazole (bactrim forte) in patients with a urinary catheter (author's transl)] Berger C, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):544-7 (Eng. Abstr.) **(Ger)**

[One time therapy of urinary tract infections with amoxicillin or co-trimoxazole. A randomized study] Wetzel H, et al. **Med Welt** 1981 Nov 13;32(46):1753-6 **(Ger)**

[Trimethoprim-sulfamethoxazole versus amoxycillin in the therapy of acute bacterial exacerbations in chronic non-specific respiratory tract diseases. A controlled study] Ramer P, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1823-9 (Eng. Abstr.) **(Ger)**

[Treatment of subacute pelvic inflammatory diseases with the antibiotic compound sulfametrol-trimethroprim (author's transl)] Burmucic R, et al. **Wien Med Wochenschr** 1981 Sep 15;131(17):431-4 (Eng. Abstr.) **(Ger)**

[Levels of sulfametrole-trimethoprim in blood and lung-tissue during treatment of respiratory tract infection (author's transl)] Wieser O, et al. **Wien Med Wochenschr** 1981;131(13-14):363-6 (Eng. Abstr.) **(Ger)**

[Trimethoprim used alone] Müller-Ehrenberg KH. **ZFA (Stuttgart)** 1981 Apr 30;57(12):963-5 **(Ger)**

[Cotrimoxazole (trimethoprim sulfamethoxazole)] Springer C, et al. **Harefuah** 1981 Aug;101(3-4):80-4 **(Heb)**

[Therapy of brucellosis today] Rizzo F. **Clin Ter** 1982 Apr 30;101(2):203-7 (Eng. Abstr.) **(Ita)**

[Pseudomonas cepacia meningitis: report of 3 cases] Takagi T, et al. **No Shinkei Geka** 1982 Jan;10(1):83-8 (Eng. Abstr.) **(Jpn)**

[Cure of pediculosis of the scalp by cotrimoxazole administered orally] Campos R, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jan-Feb;23(1):28-30 (Eng. Abstr.) **(Por)**

[Comparative randomized study on the clinico-bacteriological effectiveness of mecillinam versus cotrimexazole in shigellosis] Prado V, et al. **Rev Chil Pediatr** 1981 Mar-Apr;52(2):118-24 (Eng. Abstr.) **(Spa)**

[Carbenicillin-trimethoprim/sulphamethoxazole or carbenicillin-tobramycin as empirical treatment of infection in granulocytopenic patients. A controlled prospective trial (author's transl)] Rafecas FJ, et al. **Sangre (Barc)** 1981; 26(3):335-46 (Eng. Abstr.) **(Spa)**

[Lower urinary tract infections in women: a comparison between nalidixic acid and trimethoprim-sulfadiazine] Falk G, et al. **Lakartidningen** 1981 Sep 30;78(40):3474-6 **(Swe)**

URINE

Synergism between trimethoprim and sulfonamide in urine: does it exist? Watson ID, et al. **Clin Ther** 1981;4(2):103-8

TRIMETHOXYPHENETHYLAMINE see **MESCALINE**

TRIMETHYLSILYL COMPOUNDS see under **SILICON**

TRIMETHYLTIN COMPOUNDS see under **TRIALKYLTIN COMPOUNDS**

TRIMIPRAMINE see under **DIBENZAZEPINES**

TRINITROBENZENES see under **NITROBENZENES**

TRINITROBENZENESULFONIC ACID see under **NITROBENZENES**

TRINITROTOLUENE

ANALYSIS

A sensitive bioluminescent immunoassay for dinitrophenol and trinitrotoluene. Wannlund J, et al. **Anal Biochem** 1982 May 15;122(2):385-93

METABOLISM

[Transformation of 2,4,6-trinitrotoluene by microorganisms] Naumova RP, et al. **Prikl Biokhim Mikrobiol** 1982 Jan-Feb; 18(1):85-90 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Mutagenicity in Salmonella typhimurium and structure-activity relationships of wastewater components emanating from the manufacture of trinitrotoluene. Spanggord RJ, et al. **Environ Mutagen** 1982;4(2):163-79

TOXICITY

Mutagenicity of 2,4,6-trinitrotoluene-surfactant complexes. Kaplan DL, et al. **Bull Environ Contam Toxicol** 1982 Jan; 28(1):33-8

Short-term oral toxicity of a 2,4,6-trinitrotoluene and hexahydro-1,3,5-trinitro-1,3,5-triazine mixture in mice, rats, and dogs. Dilley JV, et al. **J Toxicol Environ Health** 1982 Apr;9(4):587-610

Short-term oral toxicity of 2,4,6-trinitrotoluene in mice, rats, and dogs. Dilley JV, et al. **J Toxicol Environ Health** 1982 Apr;9(4):565-85

TRIOLEIN

Solubilization and localization of triolein in phosphatidylcholine bilayers: a 13C NMR study. Hamilton JA, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6878-82

DIAGNOSTIC USE

Two-stage triolein breath test differentiates pancreatic insufficiency from other causes of malabsorption. Goff JS. **Gastroenterology** 1982 Jul;83(1 Pt 1):44-6

Diagnosis and differentiation of fat malabsorption in children using 13C-labeled lipids: trioctanoin, triolein, and palmitic acid breath tests. Watkins JB, et al. **Gastroenterology** 1982 May;82(5 Pt 1):911-7

Differential diagnosis of maldigestion and malabsorption of fat. II. Comparison of 131I-triolein with 14C-triolein in normal, pancreatic juice-deficient, short bowel and bile-deficient dogs. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):272-6

Differential diagnosis of maldigestion and malabsorption of fat. I. Comparison of the radioactivity of triglyceride and non-esterified fatty acid in fecal fat using purified 131I-triolein. Hatakeyama K, et al. **Jpn J Surg** 1981; 11(4):263-71

METABOLISM

Maximal lymphatic triglyceride transport rate from the rat small intestine. Tso P, et al. **Am J Physiol** 1982 Apr; 242(4):G408-15

Hydrolysis of triolein, cholesterol oleate, and 4-methylumbelliferyl stearate by acid and neutral ester hydrolases (lipases) from pigeon adipose tissue: effect of cAMP-dependent protein kinase. Severson DL, et al. **Can J Biochem** 1981 Jun;59(6):418-29

Interaction of two fractions of heart lipoprotein lipase with natural and synthetic substrates. Ben-Zeev O, et al. **FEBS Lett** 1981 Dec 21;136(1):95-7

Reciprocal effect of apolipoprotein C-II on the lipoprotein lipase-catalyzed hydrolysis of p-nitrophenyl butyrate and trioleoylglycerol. Shirai K, et al. **J Biol Chem** 1982 Sep 10;257(17):10200-3

Effect of dietary fat and cholesterol on uptake of oleic acid and triolein by everted sacs of bovine small intestine. Bitman J, et al. **J Dairy Sci** 1982 Jul;65(7):1148-54

TRIOSEPHOSPHATE DEHYDROGENASE see **GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE**

TRIOSEPHOSPHATE ISOMERASE see under **CARBOHYDRATE ISOMERASES**

TRIOSES

ANALYSIS

[Quantitative determination of 1,3-dihydroxy-2-propanone (DHA) in cosmetics using HPLC] Baruffini A, et al. **Farmaco [Prat]** 1981 Sep;36(9):424-30 (Eng. Abstr.) **(Ita)**

METABOLISM

Glycerolipid biosynthesis in peroxisomes via the acyl dihydroxyacetone phosphate pathway. Hajra AK, et al. **Ann NY Acad Sci** 1982;386:170-82

Partition of intermediates of triosephosphate isomerase: slow conformational changes precede enolization and follow product release. Rose IA, et al. **Biochemistry** 1982 Mar 30;21(7):1591-7

Quantitative histochemical resolution of the oxidation-reduction and phosphate potentials within the simple hepatic acinus. Ghosh AK, et al. **J Biol Chem** 1982 May 25;257(10):5476-81

PHARMACODYNAMICS

Gluconeogenesis in rabbit liver. IV. The effects of glucagon, epinephrine, alpha- and beta-adrenergic agents on gluconeogenesis and pyruvate kinase in hepatocytes given dihydroxyacetone or fructose. Yorek MA, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):309-15

Characterisation of the abnormal pancreatic D and A cell function in streptozotocin diabetic dogs: studies with D-glyceraldehyde, dihydroxyacetone, D-mannoheptulose, D-glucose, and L-arginine. Hermansen K. **Diabetologia** 1981 Nov;21(5):489-94

Red cell ATP and 2,3-diphosphoglycerate concentrations as a function of dihydroxyacetone supplementation of CPD adenine. Moore GL, et al. **Vox Sang** 1981;41(1):11-7

TRIOXOCHOLATE see **DEHYDROCHOLIC ACID**

TRIOXSALEN see under **PSORALENS**

TRIPELENNAMINE

The drug victim is too often the same: the fetus [news] Carlson C. **JAMA** 1982 Jul 23;248(4):409-10

ADVERSE EFFECTS

Neonatal withdrawal symptoms associated with 'T's and blues' (pentazocine and tripelennamine). Dunn DW, et al. **Am J Dis Child** 1982 Jul;136(7):644–5

Central nervous system complications of addiction to 'T's and Blues'. Caplan LR, et al. **Neurology (NY)** 1982 Jun; 32(6):623–8

BLOOD

Determination of pentazocine and tripelennamine in blood of T's and Blue addicts by gas–liquid chromatography with a nitrogen detector. Mackell MA, et al. **J Chromatogr** 1982 Jan 29;235(2):445–52

PHARMACODYNAMICS

Further analysis of the specificity of a novel animal model of depression—effects of an antihistaminic, antipsychotic and anxiolytic compound. Katz RJ, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):979–82

POISONING

'T's and B's'–Midwestern heroin substitute. De Bard ML, et al. **Clin Toxicol** 1981 Sep;18(9):1117–23

Pentazocine and tripelennamine (T's and Blues) abuse: toxicological findings in 39 cases. Poklis A, et al. **J Anal Toxicol** 1982 May–Jun;6(3):109–14

TRIPHENYL COMPOUNDS see **TERPHENYL COMPOUNDS**

TRIPHENYLMETHYL COMPOUNDS see **TRITYL COMPOUNDS**

TRIPHOSPHOPYRIDINE NUCLEOTIDE see **NADP**

TRIPLE SYMPTOM COMPLEX see **BEHCET'S SYNDROME**

TRIPLETS

Mortality rate of Japanese twins and triplets. III. Infant deaths of triplets after birth to one year of age. Imaizumi Y, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):281–4

Occurrence of pyloric stenosis in triplets. Gillespie JC, et al. **Am J Dis Child** 1982 Aug;136(8):746–7

A craniothoracopagus associated with a normally developed newborn infant in uniovular triplets: a case report with autopsy findings. Hioki T, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):29–35

Sex ratio of triplet births in Japan. Imaizumi Y. **Hum Hered** 1982;32(2):114–20

Triplet pregnancy in Nigeria: socio–biologic aspects. Sogbanmu MO. **Int J Gynaecol Obstet** 1981 Aug; 19(4):301–4

Discordant anencephalus in a Pergonal–induced triplet pregnancy. Greenberg M, et al. **J Reprod Med** 1981 Nov; 26(11):593–4

Analysis of multiple births in Japan. VI. Effects of gestational age and maternal age on growth rate of weight in triplets. Asaka A, et al. **Jinrui Idengaku Zasshi** 1982 Mar;27(1):23–6

Triplet pregnancy after pulsatile administration of gonadotropin releasing hormone [letter] Bogchelman D, et al. **Lancet** 1982 Jul 3;2(8288):45–6

Pyloric stenosis in identical triplets. Janik JS, et al. **Pediatrics** 1982 Aug;70(2):282–3

[A report of triplet siblings all suffering from schizophrenia (author's transl)] Fang HT. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):49–50 (Eng. Abstr.) **(Chi)**

PSYCHOLOGY

Identical triplets: non–identical psychosis? McGuffin P, et al. **Br J Psychiatry** 1982 Jan;140:1–6

TRIPROLIDINE see under **PYRIDINES**

TRIS BUFFER see **TROMETHAMINE**

TRISACCHARIDES see under **OLIGOSACCHARIDES**

TRISAMINE see **TROMETHAMINE**

TRISMUS

FAMILIAL & GENETIC

Linkage analysis with the trismus–pseudocamptodactyly syndrome. Robertson RD, et al. **Am J Med Genet** 1982 May;12(1):115–20

PHYSIOPATHOLOGY

[Clinical and electromyographical studies of central unilateral trismus associated with cerebrovascular disease (author's transl)] Kobayashi T, et al. **Rinsho Shinkeigaku** 1981 Nov; 21(11):968–76 (Eng. Abstr.) **(Jpn)**

TRISOMY

Cyclopia with trismy 13 under special consideration of dermatoglyphics and flexion creases. Hauser G, et al. **Acta Anthropogenet** 1981;5(2):129–36

Partial trisomy 15q dist—a new syndrome? Zergollern L, et al. **Acta Med Iugosl** 1982;36(1):65–75

A review of trisomies 21, 18, and 13. Scarbrough PR, et al. **Ala J Med Sci** 1982 Apr;19(2):174–88 (147 ref.)

Karyotype–phenotype correlation in partial trisomy 13. Report of a case due to maternal translocation. Bonioli E, et al. **Am J Dis Child** 1981 Dec;135(12):1115–7

3:1 meiotic disjunction in a mother with a balanced translocation, 46,XX,t(5,14)(p15;q13) resulting in tertiary trisomy and tertiary monosomy offspring. Abeliovich D, et al. **Am J Med Genet** 1982 May;12(1):83–9

Autosomal mosaicism in amniotic fluid cells from a twin pregnancy. Greenberg F, et al. **Am J Med Genet** 1982 Jan; 11(1):109–12

Who will survive with trisomy 13 or 18? A call for cases 10 years old or above. Hecht F. **Am J Med Genet** 1981; 10(4):417–8

Malformation syndrome of duplication 12q24.1 leads to qter. Melnyk AR, et al. **Am J Med Genet** 1981;10(4):357–65

Dup(12p) and hypoplastic left heart. Qazi QH, et al. **Am J Med Genet** 1981;9(3):195–9

Unusual mosaicism of de novo structural abnormalities and ocular anomalies in a male with 13 trisomy syndrome. Reardon PC, et al. **Am J Med Genet** 1981;10(2):113–8

Long survival in trisomy–13–syndrome: 21 cases including prolonged survival in two patients 11 and 19 years old. Redheendran R, et al. **Am J Med Genet** 1981;8(2):167–72

Partial trisomy 15 in a male with severe psychomotor retardation (48, XY, + 15q –, + mar(15)). Voss R, et al. **Am J Med Genet** 1982 Jun;12(2):131–9

Familial partial distal 18q (18q22–18q23) trisomy. De Muelenaere A, et al. **Ann Genet (Paris)** 1981;24(3):184–6

Balanced and unbalanced pericentric inversion of chromosome 11. Fryns JP, et al. **Ann Genet (Paris)** 1981; 24(3):182–3

An infant with trisomy 6q21 leads to 6qter. Neu RL, et al. **Ann Genet (Paris)** 1981;24(3):167–9

Partial trisomy 13 (q21.3 leads to qter) resulting from a maternal translocation t (13;21). Pangalos C, et al. **Ann Genet (Paris)** 1981;24(3):179–81

Partial trisomy of chromosome 18 (pter leads to q11): a discussion on the identification of the critical segment. San Martin V, et al. **Ann Genet (Paris)** 1981;24(4):248–50

Cytogenetic recognition of chromosomal duplication [dup(1)(p31.4 leads to p22.1)] and the detection of three different alleles at the PGM1 locus. Cousineau AJ, et al. **Ann Hum Genet** 1981 Oct;45(Pt 4):337–40

Effect of maternal age on autosomal trisomies. Hassold T, et al. **Ann Hum Genet** 1980 Jul;44(Pt 1):29–36

Genetic risks for familial reciprocal translocations with special emphasis on those leading to 9p, 10p and 12p trisomies. Stene J, et al. **Ann Hum Genet** 1982 Jan 1;46(Pt 1):41–74

Estimating the origins of human trisomics and triploids. Thomson R. **Ann Hum Genet** 1981 Feb;45(Pt 1):65–78

Responsiveness of human cells trisomic for chromosome 21 to the antiviral action of human immune interferon. De Ley M, et al. **Antiviral Res** 1982 May;2(1–2):97–102

Concurrent heritable retinoblastoma, pinealoma, and trisomy X. Judisch GF, et al. **Arch Ophthalmol** 1981 Oct; 99(10):1767–9

Decrease in gamma–glutamyl transpeptidase activity in early amniotic fluid in fetal trisomy 18 syndrome. Janlanko H, et al. **Br Med J [Clin Res]** 1982 May 29;284(6329):1593–4

Myeloproliferative disorder with unusual marrow chromosome constitution. Whaun JM, et al. **Cancer** 1981 Sep 1;48(5):1164–9

Karyotypic changes in serial transfers of leukemic cells of AKR mouse. Kodama Y, et al. **Cancer Genet Cytogenet** 1981 Apr;3(3):237–42

Familial 5/14 translocation with triple X and 47,XY + 14q. Lancet M, et al. **Clin Genet** 1981 Jul;20(1):40–3

Partial trisomy 7p in two families resulting from different balanced translocations. Moore CM, et al. **Clin Genet** 1982 Feb;21(2):112–21

Partial trisomy 3q due to a de novo translocation t(X;3)(p21;q12). Oorthuys JW, et al. **Clin Genet** 1981 Aug; 20(2):130–4

Partial chromosome 4 trisomy. Qazi QH, et al. **Clin Genet** 1981 Sep;20(3):179–84

Antenatal diagnosis of mosaic trisomy 8 confirmed in fetal tissues. Swisshelm K, et al. **Clin Genet** 1981 Oct; 20(4):276–80

Trisomy 6qter. Turleau C, et al. **Clin Genet** 1981 Mar; 19(3):202–6

Auscultation of fetal cardiac arrhythmia: a clue in the prenatal diagnosis of trisomy 18. Leleux D, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):171–6

Trisomy 8 syndrome. The rib anomaly and some new features in two cases. Annerén G, et al. **Helv Paediatr Acta** 1981 Nov;36(5):465–72

Duplication of part of the long arm of chromosome 8 due to a familial 8;13 translocation. Bredberg A, et al. **Hereditas** 1982;96(1):105–8

A child with double trisomy: 48,XYY,+18. Felding I, et al. **Hereditas** 1981;95(1):169–71

Adjacent 2 meiotic disjunction. report of a case resulting from a familial 13q;15q balanced reciprocal translocation and review of the literature. Duckett DF, et al. **Hum Genet** 1981;58(4):377–86 (62 ref.)

Proximal trisomy 13. A family with balanced reciprocal translocation t(8;13) in seven members and Robertsonian translocation t(13;14) in three members. Gilgenkrantz S, et al. **Hum Genet** 1981;58(4):436–40

Acute leukaemia and the same chromosome abnormality in monozygotic twins. Hartley SE, et al. **Hum Genet** 1981; 58(4):408–10

Unbalanced Robertsonian translocations associated with Down's syndrome or Patau's syndrome: chromosome subtype, proportion inherited, mutation rates, and sex ratio. Hook EB. **Hum Genet** 1981;59(3):235–9

Preferential maternal derivation in inv dup(15): analysis of eight new cases. Maraschio P, et al. **Hum Genet** 1981; 57(4):345–50

The crucial band for phenotype of trisomy 18 [letter] Mücke J, et al. **Hum Genet** 1982;60(2):205

Partial 11q trisomy syndrome. Pihko H, et al. **Hum Genet** 1981;58(2):129–34

Prenatal detection of an accessory chromosome identified as an inversion duplication (15). Stetten G, et al. **Hum Genet** 1981;57(4):357–9

Partial trisomy and monosomy for short arm of chromosome number 5 in two sibs and a balanced translocation carrier father. Kulkarni MV, et al. **Indian Pediatr** 1981 Apr; 18(4):263–6

Chromosome rearrangements involved in the origin of trisomy 15 in spontaneous leukemia of AKR mice. Herbst EW, et al. **Int J Cancer** 1981 Dec;28(6):805–10

Partial trisomy 10q syndrome. Report of a case with new findings. Palutke WA, et al. **Int J Gynaecol Obstet** 1981 Apr;19(2):103–7

X–trisomy karyotype and associated infertility in a Holstein heifer. Buoen LC, et al. **J Am Vet Med Assoc** 1981 Oct 15;179(8):808–11

Trisomy 7 mosaicism and manifestations of Goldenhar syndrome with unilateral radial hypoplasia. Hodes ME, et al. **J Craniofac Genet Dev Biol** 1981;1(1):49–55

Abnormal neural fold development in trisomy 12 and trisomy 14 mouse embryos. I. Scanning electron microscopy. Putz B, et al. **J Embryol Exp Morphol** 1981 Dec;66:141–58

Ultrastructural studies of the nucleoli in diploid and trisomic chickens. Macera MJ, et al. **J Hered** 1981 Jul–Aug; 72(4):249–52

Chromosome study of the family with a daughter showing 9p+ syndrome. Santadusit A, et al. **J Med Assoc Thai** 1981 Sep;64(9):480–4

Partial trisomy for long arm of chromosome 16. Buckton KE, et al. **J Med Genet** 1981 Dec;18(6):483

Unilateral radial aplasia and trisomy 22 mosaicism. Dulitzky F, et al. **J Med Genet** 1981 Dec;18(6):473–6

Normal psychomotor development in a child with mosaic trisomy and pericentric inversion of chromosome 9. Frydman M, et al. **J Med Genet** 1981 Oct;18(5):390–2

Partial proximal trisomy of the long arm of chromosome 5 (q13 leads to q22) resulting from maternal insertion der ins (10;5). Gilgenkrantz S, et al. **J Med Genet** 1981 Dec; 18(6):465–9

A complex chromosome rearrangement resulting in trisomy 15q22 to qter. Howard–Peebles PN, et al. **J Med Genet** 1982 Jun;19(3):224–7

A female with XO/XY mosaicism and partial trisomy 9p. Klasen M, et al. **J Med Genet** 1981 Dec;18(6):482

Complete trisomy 9 in two liveborn infants. Mantagos S, et al. **J Med Genet** 1981 Oct;18(5):377–82

Partial trisomy 12q: report of a case and review. Roberts SH, et al. **J Med Genet** 1981 Dec;18(6):470–3

Pathologic features of the eye in trisomy 9. Ginsberg J, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug; 19(4):37–41

Ultrasonic findings with holoprosencephaly. Hill LM, et al. **J Reprod Med** 1982 Mar;27(3):172–5

Leukaemia and chromosome 21 [letter] **Lancet** 1982 Jan 30; 1(8266):286–7

Mosaicism 48,XX,+8,+21/47,XX,+21 in Down syndrome and rapid progression from preleukaemia to acute leukaemia [letter] Dębiec–Rychter M, et al. **Lancet** 1982 Aug 21;2(8295):448–9

Down Syndrome and acute leukaemia: increased risk may be due to trisomy 21. Rowley JD. **Lancet** 1981 Nov 7; 2(8254):1020–2

Prenatal trisomy 20 mosaicism: origin in fetal kidney cells? [letter] Schwinger E, et al. **Lancet** 1981 Nov 14; 2(8255):1111

Genetic counseling in prenatally diagnosed trisomy 18 and 21: psychosocial aspects. Adler B, et al. **Pediatrics** 1982 Jan;69(1):94–9

The possibility of prenatal diagnosis by gene dosage: confirmation of duplication 10q24 to qter from GOT–1 activity in fetal erythrocytes. Dallapiccola B, et al. **Prenatal Diagn** 1981 Jul;1(3):209–15

Ultrasonic detection of an abnormal mass in a fetus later shown to have trisomy 18. Heller RH, et al. **Prenatal Diagn** 1981 Jul;1(3):223–6

Trisomy 20 mosaicism in a foetus. McDermott A, et al. **Prenatal Diagn** 1981 Apr;1(2):147–51

Neural tube defects in trisomy 18. Nisani R, et al. **Prenatal Diagn** 1981 Jul;1(3):227–31

Autosomal dosage compensation Drosophila melanogaster strains trisomic for the left arm of chromosome 2. Devlin RH, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1200–4

Hypoplasia or absence of the depressor anguli oris muscle and congenital abnormalities, with special reference to the cardiofacial syndrome. Levin SE, et al. **S Afr Med J** 1982

Feb 13;61(7):227-31

Trisomy 18 syndrome: analysis of 15 cases. Zižka J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(3):385-405

Trisomy 16 in the mouse fetus associated with generalized edema and cardiovascular and urinary tract anomalies. Miyabara S, et al. **Teratology** 1982 Jun;25(3):369-80

The position effect of embryos in trisomy-1-producing mice. von Domarus H, et al. **Teratology** 1981 Dec;24(3):315-9

Value of an animal model for trisomy. Gropp A. **Virchows Arch [Pathol Anat]** 1982;395(2):117-31 (54 ref.)

[Distal trisomy 14q associated with agenesis of the corpus callosus and truncus arteriosus due to the maternal translocation t(5;14)(q13;q23q32) (author's transl)] Georgmaneanu M, et al. **Ann Genet (Paris)** 1981;24(3):176-8 (Eng. Abstr.) **(Fre)**

[Two trisomies 13 in a sibship with normal parents' karyotypes (author's transl)] Plauchu H, et al. **Ann Genet (Paris)** 1981;24(2):120-3 (Eng. Abstr.) **(Fre)**

[Phenocopy of trisomy 18: an autosomal recessive disease? (author's transl)] Le Marec B, et al. **Arch Fr Pediatr** 1981 Apr;38(4):253-9 (Eng. Abstr.) **(Fre)**

[Familial trisomy 10q (author's transl)] Stoll C, et al. **Arch Fr Pediatr** 1981 Apr;38(4):273-4 (Eng. Abstr.) **(Fre)**

[Partial trisomy 15, 47, XY + del (15) (q21)] Echenne B, et al. **Pediatrie** 1981 Oct-Nov;36(7):551-5 (Eng. Abstr.) **(Fre)**

[Ophthalmologic findings in trisomy 18 (Morbus Edwards) (author's transl)] Mayer UM, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(1):46-50 (Eng. Abstr.) **(Ger)**

[Temporal bone histopathology in a case of trisomy 22-syndrome (author's transl)] Arnold W, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):545-9 (Eng. Abstr.) **(Ger)**

[A case of trisomy 18 (author's transl)] Fogli L, et al. **Ann Osp Maria Vittoria Torino** 1979 Jul-Dec; 22(7-12):168-74 **(Ita)**

[Diminished in vitro colony forming capacity of bone marrow cells in a case of chromosome 8 trisomy (mosaicism): criteria for 'high risk' pre-leukemia syndrome] Cornaglia-Ferraris P, et al. **Boll Ist Sieroter Milan** 1981; 60(1):69-73 (Eng. Abstr.) **(Ita)**

[Edwards syndrome in a pair of twins] Lapi E, et al. **Minerva Ginecol** 1981 Dec;33(12):1151-4 (Eng. Abstr.) **(Ita)**

[A new case of partial trisomy 8p] Gemme G, et al. **Minerva Pediatr** 1981 Dec;33(24):1211-4 (17 ref.) (Eng. Abstr.) **(Ita)**

[A case of trisomy 18 with aplasia of the radius] D'Avanzo M, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):559-77 (64 ref.) (Eng. Abstr.) **(Ita)**

[Report of a case of partial trisomy 22:47,XX, + 22(p ter - q 12)] Renda S, et al. **Pediatria (Napoli)** 1980 Mar 31; 88(1):91-7 (Eng. Abstr.) **(Ita)**

[Familial translocation 2; 17 with partial trisomy 2q32 to 2qter] Tancredi F, et al. **Pediatria (Napoli)** 1981 Mar 31; 89(1):35-40 (Eng. Abstr.) **(Ita)**

[Properties of the hamatopoietic cells in mice with chromosome 19 trisomy] Dyban AP, et al. **Dokl Akad Nauk SSSR** 1982;263(2):454-6 **(Rus)**

[Capacity for extrapolation in laboratory mice with partial autosomal trisomy] Krushinskii LV, et al. **Dokl Akad Nauk SSSR** 1981;260(6):1497-9 **(Rus)**

[Fertility and the cytogenetic analysis of the early embryogenesis stages in mice with T(16, 17)43H chromosomal translocation] Baranov VS, et al. **Genetika (Moskva)** 1981;17(8):1454-60 (Eng. Abstr.) **(Rus)**

[Morphological characteristics and status of rRNA synthesis in mouse embryos with chromosome 19 trisomy] Baranov VS, et al. **Ontogenez** 1982;13(1):46-54 (Eng. Abstr.) **(Rus)**

[Flexor deformations of the hands: the basic orthopedic signs of Edwards syndrome and the causes of their formation] Shved IA, et al. **Ortop Travmatol Protez** 1981 Sep;(9):21-3 (Eng. Abstr.) **(Rus)**

[Early diagnosis of the trisomy 15q proximialis syndrome] Tsancheva MS, et al. **Pediatriia** 1982 Jan;(1):65-6 **(Rus)**

[Soluble brain proteins in autosomal trisomy syndromes] Mikhneva LM, et al. **Zh Nevropatol Psikhiatr** 1981; 81(10):1498-1502 (Eng. Abstr.) **(Rus)**

[Partial trisomy 11q;22q (author's transl)] Benitez J, et al. **An Esp Pediatr** 1981 Sep;15(3):293-300 (Eng. Abstr.) **(Spa)**

[Trisomy 4p. A case presentation (author's transl)] Delgado A, et al. **An Esp Pediatr** 1981 Oct;15(4):383-9 (Eng. Abstr.) **(Spa)**

['De novo' partial trisomy 16p (author's transl)] Gabarrón Llamas J, et al. **An Esp Pediatr** 1981 Dec;15(6):587-91 (Eng. Abstr.) **(Spa)**

[9p trisomy syndrome. Two new cases (author's transl)] Martín Sánchez A, et al. **An Esp Pediatr** 1981 May; 14(5):344-51 (Eng. Abstr.) **(Spa)**

TRITERPENES

ANALYSIS

Pigments of Staphylococcus aureus, a series of triterpenoid carotenoids. Marshall JH, et al. **J Bacteriol** 1981 Sep; 147(3):900-13

Herbal remedies of the Maritime Indians: sterols and triterpenes of Achillea millefolium L. (Yarrow). Chandler RF, et al. **J Pharm Sci** 1982 Jun;71(6):690-3

A gas chromatographic method for the determination of medicagenic acid in lucerne (alfalfa) leaf protein concentrate. Brawn PR, et al. **J Sci Food Agric** 1981 Dec; 32(12):1157-62

Herbal remedies of the Maritime indians: sterols and triterpenes of Tanacetum vulgare L. (Tansy). Chandler RF, et al. **Lipids** 1982 Feb;17(2):102-6

[Spectrophotometric determination of the stichoposide A from the holothurian Stichopus japonicus S] Aminin DL, et al. **Antibiotiki** 1981 Aug;26(8):585-9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Proposed pathway of triterpenoid carotenoid biosynthesis in Staphylococcus aureus: evidence from a study of mutants. Marshall JH, et al. **J Bacteriol** 1981 Sep;147(3):914-9

The role of squalene synthetase in the inhibition of tetrahymanol biosynthesis by cholesterol in Tetrahymena pyriformis. Warburg CF, et al. **Lipids** 1982 Mar;17(3):230-4

CHEMICAL SYNTHESIS

Tetracyclic triterpenes. Part VI [1]. The synthesis of 4,4,14 alpha-trimethyl-19 (10 leads to 9 beta) abeo-steroids. Synthons for the preparation of cucurbitacins. Paryzek Z, et al. **Steroids** 1981 Aug;38(2):141-8

ISOLATION & PURIFICATION

Studies on anti-inflammatory agents. V. A new anti-inflammatory constituent of Pyracantha crenulata roem. Otsuka H, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov; 29(11):3099-104

Isoiguesterin, a new antileukemic bisnortriterpene from Salacia madagascariensis. Sneden AT. **J Nat Prod** 1981 Jul-Aug;44(4):503-7

METABOLISM

Observation of metabolites of reduced lantadene A in bile canalicular membranes of rats with triterpene-induced cholestasis. Pass MA, et al. **Chem Biol Interact** 1982 Jul 1;40(3):375-8

PHARMACODYNAMICS

Effect of triterpene glycosides of marine invertebrates on permeability of biological and artificial membranes. Rubtsov BV, et al. **Biol Bull Acad Sci USSR** 1980 May-Jun; 7(3):219-23

Antipyretic and analgesic studies on the diacetate of a new triterpenic acid isolated from Corchorus depressus L. Vohora SB, et al. **J Ethnopharmacol** 1981 Sep;4(2):223-8

The immune response of splenic lymphocytes after cimicifugoside treatment in vitro and pretreatment in vivo. Hemmi H, et al. **J Pharmacobiodyn** 1980 Dec;3(12):643-8

Selective inhibition of nucleoside transport into mouse lymphoma L-5178Y cells by cimicfugoside. Hemmi H, et al. **J Pharmacobiodyn** 1980 Dec;3(12):636-42

[Antiexudative behavior of various triterpene saponins] Jacker HJ, et al. **Pharmazie** 1982 May;37(5):380-2 (Ger)

[Effect of triterpene glycosides on 14C-alanine incorporation into rat bone marrow cells] Prokof'eva NG, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Sep-Oct;(5):794-7 (Eng. Abstr.) **(Rus)**

[Effect of triterpene glycosides and polyene antibiotics on cell membrane permeability for K+ ions and UV-absorbing substances] Anisimov MM, et al. **Prikl Biokhim Mikrobiol** 1981 Nov-Dec;17(6):890-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Centella asiatica extract in venous disorders of the lower limbs. Comparative clinico-instrumental studies with a placebo] Allegra C, et al. **Clin Ter** 1981 Dec 15;99(5):507-13 (Eng. Abstr.) **(Ita)**

[Effect of miliacin on the lysosomal enzyme activity of the rat liver and blood serum in acute CCl4 poisoning] Pavlova MM, et al. **Farmakol Toksikol** 1981 Jul-Aug;44(4):478-82 **(Rus)**

TRITIUM

Labeling of pigeon erythrocyte membrane proteins by low-level reductive methylation. Jones SW, et al. **Anal Biochem** 1981 Nov 1;117(2):459-65

A facile tritium release assay for mammalian L-dihydroorotate dehydrogenase. Kensler TW, et al. **Anal Biochem** 1981 Nov 1;117(2):315-9

A single-vial biphasic liquid extraction assay for choline acetyltransferase using [3H]choline. Rand JB, et al. **Anal Biochem** 1981 Sep 15;116(2):361-71

The detection of tritium-labeled ligands and their carrier proteins using a multiwire proportional counter. Scott BJ, et al. **Anal Biochem** 1982 Jun;123(1):1-10

Detection of radioactively labeled proteins is quenched by silver staining methods: quenching is minimal for 14C and partially reversible for 3H with a photochemical stain. Van Keuren ML, et al. **Anal Biochem** 1981 Sep 15;116(2):248-55

Tritiated 2-deoxy-D-glucose as a probe for cell membrane permeability studies. Walum E, et al. **Anal Biochem** 1982 Feb;120(1):8-11

A simple program which processes liquid scintillation counting data from samples containing both 125I and 3H under conditions of varying quench. Winston VD, et al. **Anal Biochem** 1981 Jun;114(1):32-6

The preparation of specifically deuterium- or tritium-labeled N-acetylneuraminic acid and cytidine-5'-monophospho-beta-N-acetylneuraminic acid as precursors for glycoconjugate synthesis. Dorland L, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):1114-9

Diagnosis of Tay-Sachs disease using [3H]N-acetylneuraminic acid labelled GM2 ganglioside as substrate. Poulos A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):331-40

Proliferation kinetics of perturbed cell populations determined by the bromodeoxyuridine-33258 technique: radiotoxic effects of incorporated [3H]thymidine. Beck HP. **Cytometry** 1981 Nov;2(3):170-4

The kinetics of the formation of a G2 block from tritiated thymidine in phytohemagglutinin-stimulated human lymphocytes. Pollack A, et al. **Cytometry** 1980 Jul; 1(1):57-64

Quantitative autoradiography of neurotransmitter receptors using tritium-sensitive film. Penney JB, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):421-2

The adverse effect of neuraminidase on the analysis of cell surfaces by borohydride tritiation. Thompson S, et al. **FEBS Lett** 1981 Oct 12;133(1):165-8

Statistical dosimetry of radiation to oocytes from DNA-bound tritium. Slatkin DN, et al. **Health Phys** 1982 Jan;42(1):77-80

Enrichment of tritium by thermal diffusion column—I. TH-H2 and TD-D2 systems. Takayasu O, et al. **Int J Appl Radiat Isot** 1981 Nov;32(11):839-42

Tritium labeling of alpha-neurotoxins with N-succinimidyl[3H]propionate. Sugiyama H, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):729-35

Ion beam tritium labeling of proteins and peptides. Bush GA, et al. **J Biol Chem** 1981 Dec 10;256(23):12213-21

A simple procedure for a large-scale preparation of tritium-triglyceride-labeled very low density lipoprotein of the rat. Hayashi H, et al. **J Pharmacobiodyn** 1982 Feb; 5(2):137-9

Efficiencies of DNA inactivation and mutation induction by tritiated glycerol in bacterial systems. Sadaie Y, et al. **J Radiat Res (Tokyo)** 1981 Dec;22(4):387-94

Effects of tritiated water ingestion on mice: I. Hexokinase activity changes in brain and liver. Sharan RN, et al. **J Radiat Res (Tokyo)** 1980 Dec;21(3-4):231-8

Tritium labeling of gonadotropin releasing hormone in its proline and histidine residues. Klauschenz E, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):445-52

The dose absorbed by lymphocytes irradiated in vitro with tritiated water. Scarpa G, et al. **Phys Med Biol** 1981 Nov; 26(6):1137-44

Somatic mutation and neoplastic transformation induced by [methyl-3H]thymidine. Lin SL, et al. **Radiat Res** 1982 Apr; 90(1):142-54

Synthesis of selectively 3H or 14C-labeled 2-(4-(2-thienylcarbonyl)phenyl)propionic acid. Mori Y, et al. **Radioisotopes** 1981 Nov;30(11):584-9

[Behavior of tritium water in radioactive waste incineration plant (author's transl)] Kato K, et al. **Radioisotopes** 1980 Oct;29(10):484-9 (Eng. Abstr.) **(Jpn)**

[Combined effect of tritium oxide, noise and heat on rats] Tsapkov MM, et al. **Radiobiologiia** 1982 Mar-Apr; 22(2):275-7 **(Rus)**

ADMINISTRATION & DOSAGE

Increased survival due to radioactive estradiol in mice with C3HBA or BW 10232 tumors. Thysen B, et al. **Cancer Chemother Pharmacol** 1982;8(1):23-6

ADVERSE EFFECTS

The effects of chronic ingestion of tritiated water on hexokinase and lactate dehydrogenase enzymes in liver and brain during postnatal development of mice. Garg LC, et al. **Int J Radiat Biol** 1981 Dec;40(6):665-9

Cytotoxic effects of low levels of 3H-, 14C-, and 35S-labeled amino acids. Minor RR. **J Biol Chem** 1982 Sep 10; 257(17):10400-13

ANALYSIS

Sensitive detection of tritium in Southern blot and plaque hybridizations. Bartnik E, et al. **Anal Biochem** 1981 Sep 15;116(2):237-40

Calculated and measured HTO atmospheric dispersion rates within meters of a release site. DeLuca PM Jr, et al. **Health Phys** 1981 Jul;41(1):191-5

Accumulation of tritium in aquatic organisms through a food chain with three trophic levels. Komatsu K, et al. **J Radiat Res (Tokyo)** 1981 Jun;22(2):226-41

[On the electrolytic separation factor of tritium (author's transl)] Kitaoka K. **Radioisotopes** 1981 May;30(5):247-52 (Eng. Abstr.) **(Jpn)**

[Sampling method for tritium oxide in the air of work premises] Sarbash AN. **Gig Tr Prof Zabol** 1981 Jul;(7):55 **(Rus)**

DIAGNOSTIC USE

Comparison of 3H-diisopropyl fluorophosphate and 32P-diisopropyl fluorophosphate for neutrophil kinetic studies. Price TH. **Acta Haematol (Basel)** 1982;67(3):175-9

Measurement of organ blood flow using tritiated water. I. Hind limb muscle blood flow in conscious ewes. Oddy VH, et al. **Aust J Biol Sci** 1981;34(4):419-25

Tritiation of alpha-bungarotoxin with N-succinimidyl [2,3-3H]propionate. A useful reagent for labelling proteins. Dolly JO, et al. **Biochem J** 1981 Mar 1;193(3):919-23

Elimination of radioactivity from rats after intravenous administration of phenyl-labeled [14C]- or [3H]phencyclidine hydrochloride. Cook CE, et al. **Drug Metab Dispos** 1982 Mar-Apr;10(2):194-5

Estimation of the turnover rates of (3)H-uridine in mouse skeletal tissues during aging. Singh IJ, et al. **Exp Gerontol** 1981;16(4):317-23

A novel double-isotope technique for the enzymatic assay of plasma histamine: application to estimation of mast cell activation assessed by antigen challenge in asthmatics. Brown MJ, et al. **J Allergy Clin Immunol** 1982 Jan;69(1 Pt 1):20-4

Synthesis of 4,4-ditritio-(+)-nicotine: comparative binding and distribution studies with natural enantiomer. Vincek WC, et al. **J Pharm Sci** 1981 Nov;70(11):1292-3

Estimation of infarct size by determination of myocardial 3H-tetracycline accumulation in the coronary ligated rat. Modrak JB, et al. **Res Commun Chem Pathol Pharmacol** 1981 Oct;34(1):149-52

Uptake of 6-H3 thymidine in the normal and regenerating CNS of Rana esculenta. Minelli G, et al. **Z Mikrosk Anat Forsch** 1982;96(2):201-13

[In vitro autoradiography - method for biological characterisation of ovarian carcinomas, with reference to clinical requirements (author's transl)] Behling H, et al. **Zentralbl Gynakol** 1982;104(3):145-55 (Eng. Abstr.) **(Ger)**

[Determination of the labeling index in stomach tumors (preliminary report)] Blokhina NG, et al. **Vopr Onkol** 1982; 28(5):88-91 (Eng. Abstr.) **(Rus)**

METABOLISM

Primary deuterium and tritium isotope effects upon V/K in the liver alcohol dehydrogenase reaction with ethanol. Damgaard SE. **Biochemistry** 1981 Sep 29;20(20):5662-9

Tritium isotope effects in the reaction catalyzed by 4-hydroxyphenylpyruvate dioxygenase from pseudomonas sp. strain P.J. 874. Rundgren M. **Biochim Biophys Acta** 1982 May 21;704(1):59-65

A test to enhance the excretion of tritium in man by excessive water intake. Takada K, et al. **Health Phys** 1981 Dec; 41(6):825-8

Age dependence of excretion and tissue distribution of tritium after single oral administration of tritiated water to rats of various ages. Inaba J, et al. **J Radiat Res (Tokyo)** 1981 Sep;22(3):287-96

Tritium incorporation in rats chronically exposed to tritiated food or tritiated water for three successive generations. Pietrzak-Flis Z, et al. **J Radiat Res (Tokyo)** 1981 Dec; 22(4):434-42

Accumulation and retention of tritium (tritiated water) in Rhodopseudomonas spheroides under aerobic condition. Inomata T, et al. **Radiat Environ Biophs** 1982;20(2):123-36

Effects of growth state and 3H labeling level on RNA turnover in WI-38 fibroblasts and HeLa cells. Sameshima M, et al. **Radiat Res** 1981 Nov;88(2):333-42

Tritium metabolism in young pigs after exposure of the mothers to tritium oxide during pregnancy. Van Bruwaene R, et al. **Radiat Res** 1982 Jul;91(1):124-34

[Tritium oxide distribution and excretion kinetics during exposure of animals to noise] Tsapkov MM, et al. **Gig Sanit** 1982 Jun;(6):29-31 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Primary isotope effect of tritium on the hydroxylations of 25-hydroxyvitamin D3. Tanaka Y, et al. **Arch Biochem Biophys** 1982 Feb;213(2):517-22

Absence of genotoxicity induced by 3H and 14C label in Salmonella typhimurium an Bacillus subtilus. Gentile JM, et al. **Mutat Res** 1982 Apr;104(1-3):29-33

[Cell count changes in the lymphoid tissue in the chronic action of tritium oxide and external 137Cs gamma radiation] Muksinova KN, et al. **Radiobiologiia** 1981 Sep-Oct; 21(5):737-43 (Eng. Abstr.) **(Rus)**

TRITOLYL PHOSPHATES see under **CRESOLS**

TRITONS

see related
POLYETHYLENE GLYCOLS

ADMINISTRATION & DOSAGE

[Patentex-Oval - an intravaginal contraceptive agent] Horoszko-Husiatyńska B, et al. **Wiad Lek** 1981 Jun 15; 34(12):985-9 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

[Aethoxysklerol. A histamine liberator?] Hamann K, et al. **Ugeskr Laeger** 1981 Mar 23;143(13):822-3 (Eng. Abstr.) **(Dan)**

ANTAGONISTS & INHIBITORS

Stabilization of the high affinity state of the membrane-bound acetylcholine receptor from Torpedo marmorata by noncompetitive-blockers. Evidence for dual interaction and pharmacological selectivity. Heidmann T, et al. **FEBS Lett** 1981 Aug 31;131(2):239-44

IMMUNOLOGY

Immunologic properties of conjugates of ragweed antigen E with various alkoxypolyethylene glycols. King TP, et al. **Int Arch Allergy Appl Immunol** 1981;66(4):439-46

PHARMACODYNAMICS

Variations in the activity of microsomal palmitoyl-CoA hydrolase in mixed micelle solutions of palmitoyl-CoA and non-ionic detergents of the triton X series. Berge RK, et al. **Biochim Biophys Acta** 1981 Oct 23;666(1):25-35

Thermodynamic and kinetic studies of the interaction between T5-phages and their receptor, isolated from Escherichia coli b, in the absence and presence of Triton X-100. Zarybnicky V, et al. **Biophys J** 1981 Sep; 35(3):615-36

TRITRICHOMONAS

IMMUNOLOGY

Tritrichomonas foetus agglutination tests upon samples collected from cattle: cross-reactions associated with vaccination against Campylobacter fetus subsp venerealis [letter] Reece RL, et al. **Aust Vet J** 1981 Jul;57(7):352-3

METABOLISM

Oxygen affinities of the hydrogenosome-containing protozoa Tritrichomonas foetus and Dasytricha ruminantium, and two aerobic protozoa, determined by bacterial bioluminescence. Lloyd D, et al. **J Gen Microbiol** 1982 May;128 (Pt 5):1019-22

RADIATION EFFECTS

Effect of near-ultraviolet radiation on the cell surface of the protozoan Tritrichomonas foetus. Filho FC, et al. **Int J Radiat Biol** 1982 May;41(5):557-61

TRITURUS

[Histological and ultrastructural observations on ependymal tanycytes of the optic tectum of the Triturus] Ciani F, et al. **Arch Ital Anat Embriol** 1981;86(1-2):147-62 (Eng. Abstr.) **(Ita)**

[Histocompatibility reaction in repeated skin grafts in Triturus cristatus carniflex Laur] Gibertini G, et al. **Arch Ital Anat Embriol** 1981;86(1-2):19-36 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Analysis of the changes in the morphology and staining density characteristics of cartilagenous cell nuclei from Triturus cristatus during aging and regeneration. Jeanny JC, et al. **J Histochem Cytochem** 1981 Nov;29(11):1281-8

Atypical mitochondria in the lung of newts, Triturus alpestris, Laur. Witaliński W, et al. **J Ultrastruct Res** 1981 Nov;77(2):223-31

[Comparative structure of diencephalic neuronal groups in Rana ridibunda and Triturus boscai] Fernández González CM. **Trab Inst Cajal Invest Biol** 1979;70(4):321-48 (Eng. Abstr.) **(Spa)**

[Ultrastructure of the hypothalamic vascular organ (paraventricular organ) and the dorsal infundibular nucleus of Triturus marmoratus] Rodicio MC, et al. **Trab Inst Cajal Invest Biol** 1979;70(4):349-63 (Eng. Abstr.) **(Spa)**

[Ultrastructure of the nucleus periventricularis tuberis of Triturus marmoratus (author's transl)] Rodicio MC, et al. **Trab Inst Cajal Invest Biol** 1980;71(2):81-9 (Eng. Abstr.) **(Spa)**

[Structure and ultrastructure of the nucleus infundibularis ventralis of Triturus marmoratus (author's transl)] Rodicio MC, et al. **Trab Inst Cajal Invest Biol** 1980;71(2):139-50 (Eng. Abstr.) **(Spa)**

BLOOD

Functional properties of hemoglobins from Triturus cristatus. Condò SG, et al. **Eur J Biochem** 1981 Nov;120(2):323-7

EMBRYOLOGY

Development of retinofugal neuropil areas in the brain of the alpine newt, Triturus alpestris. Rettig G, et al. **Anat Embryol (Berl)** 1981;162(2):163-71

Artificial neural induction in amphibia. III. Retina formation and autoorganization in single and double layer triturus explants. Rollhäuser ter Horst J. **Anat Embryol (Berl)** 1981; 162(1):69-80

Formation of pigment cell patterns in Triturus alpestris embryos. Epperlein HH, et al. **Dev Biol** 1982 Jun; 91(2):497-502

[Histological and histochemical observations on the skin differentiation in metamorphotic and non-metamorphotic Triturus alpestris apuanus (Bonap) (Amphibia Urodela)] Mola L, et al. **Arch Ital Anat Embriol** 1981;86(3):195-207 (Eng. Abstr.) **(Ita)**

GENETICS

Computer-assisted analysis of chromosomes of the European crested newt. Arias E, et al. **Cytobios** 1981;30(118):83-8

METABOLISM

Changes in newt brain caused by zinc water-pollution. **Taban** CH, et al. **Experientia** 1982 Jun 15;38(6):683-5

PHYSIOLOGY

Prolactin and sexual behaviour in the crested newt (Triturus cristatus carnifex Laur. Giorgio M, et al. **Gen Comp Endocrinol** 1982 Jun;47(2):139-47

Differences in functional properties between the early and the late segments of the distal tubule of amphibian (triturus) kidney. Hoshi T, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):889-96

TRITYL COMPOUNDS

ANALYSIS

Occurrence and fate of certain triphenylmethane blue dyestuffs in the aquatic environment. Richardson ML, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):424-36

METABOLISM

Triphenylmethylphosphonium uptake by pancreatic islet cells. Sehlin J, et al. **Exp Cell Res** 1981 Nov;136(1):147-56

Triphenylmethylphosphonium cation distribution as a measure of hormone-induced alterations in white adipocyte membrane potential. Vallano ML, et al. **J Membr Biol** 1982; 68(1):57-66

Triphenylmethylphosphonium is an ion channel ligand of the nicotinic acetylcholine receptor. Lauffer L, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2406-9

On the metaphysics of membrane potential in islet cells: studies with triphenylmethylphosphonium. Täljedal IB. **Ups J Med Sci** 1981;86(2):171-6

[Selective, time dependent accumulation of the triphenylmethane dyes bromphenol blue, bromoresol green and iodophenol blue in mouse tumors] Graffi A. **Z Exp Chir** 1981 Dec;14(6):325-35 (Eng. Abstr.) **(Ger)**

[Active transport of triphenylmethylphosphonium in mitochondria] Skul'skiĭ IA, et al. **Biofizika** 1982 May-Jun; 27(3):480-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of lipophilic cations on motility and other physiological properties of Bacillus subtilis. Zaritsky A, et al. **J Bacteriol** 1981 Sep;147(3):1054-62

TROCHLEAR NERVE

[Paralysis of the third, fourth and sixth cranial nerves, analysis of 201 cases (author's transl)] Zhang HC. **Chung Hua Yen Ko Tsa Chih** 1981 Nov;17(6):352-5 **(Chi)**

ANATOMY & HISTOLOGY

Fiber contribution from the mesencephalic nucleus of the trigeminal nerve to the trochlear nerve in the cat: a histological quantitative study. Sherif MF, et al. **Anat Rec** 1981 Dec;201(4):669-78

The effects of monocular deprivation on the development of the rat trochlear nerve. Kerns JM, et al. **Brain Res** 1981 Dec 28;230(1-2):367-71

CYTOLOGY

Cytoarchitecture of the oculomotor nuclear complex and of the trochlear nucleus in the marmoset (Callithrix jacchus). Reis FP, et al. **Acta Anat (Basel)** 1981;111(4):289-95

INJURIES

Fourth nerve palsy opposite a black eye. Two patients simulating orbital blowout fractures. Keane JR. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):209-11

SURGERY

[Clinical course and therapy of congenital trochlear palsy] Wieser D. **Klin Monatsbl Augenheilkd** 1982 May; 180(5):467-70 (Eng. Abstr.) **(Ger)**

TROLEANDOMYCIN see **TRIACETYLOLEANDOMYCIN**

TROMBICULIASIS see under **MITE INFESTATIONS**

TROMBICULID MITES see under **MITES**

TROMETAMOL see **TROMETHAMINE**

TROMETHAMINE

The inactivation profile of rabbit muscle creatine

phosphokinase in Tris-acetate buffer solutions. Hsu H, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov;29(11):3350-5

A method for the immobilization of living Tetrahymena. Wolfe J, et al. **Exp Cell Res** 1981 Aug;134(2):313-7

Tris-induced cross-linking of thylakoid peptides; thiol oxidation catalyzed by Tris-Cu2+ complexes as a possible mechanism. Takahashi M, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):87-94

[Micromodification of the technique of tissue cultures using Tris-HCl buffer (author's transl)] Januška J, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep;30(5):274-80 (Eng. Abstr.) **(Cze)**

ANALOGS & DERIVATIVES

Inhibition of oxidative enzymes by anti-allergy drugs. White GJ. **Agents Actions** 1981 Nov;11(5):503-9

Effect of inhaled iodoxamide tromethamine in prevention of antigen-induced bronchospasm. Ungerer RG, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):471-8

Effects of lodoxamide on ischemic reperfused myocardium. Jolly SR, et al. **J Cardiovasc Pharmacol** 1982 May-Jun; 4(3):441-8

[Analytical studies on the antacid tris-hydroxymethylaminomethoxygluconate dihydroxyaluminate] Castellani C, et al. **Boll Chim Farm** 1981 Aug;120(8):469-83 (Eng. Abstr.) **(Ita)**

ANALYSIS

Tris carbonate interferes with certain methods for protein and CO2 [letter] Gray BA, et al. **Clin Chem** 1982 May; 28(5):1246-7

METABOLISM

Pharmacokinetics of TRIS (hydroxymethyl-)aminomethane in the rabbit. Brasch H, et al. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):4-12

Pharmacokinetics of TRIS (hydroxymethyl-)aminomethane in healthy subjects and in patients with metabolic acidosis. Brasch H, et al. **Eur J Clin Pharmacol** 1982;22(3):257-64

Tris(hydroxymethyl)methylamine is acylated when it reacts with acyl-chymotrypsin. Kasche V, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):531-4

PHARMACODYNAMICS

Comparison of intra-and extracellular buffering of clinically used buffer substances: tris and bicarbonate. Rothe KF, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):194-8

Tris does not inhibit isolated vascular or intestinal smooth muscle contraction. Karaki H, et al. **Am J Physiol** 1981 Sep;241(3):H337-41

Inhibitory effects of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Escherichia coli. Wooley RE, et al. **Am J Vet Res** 1981 Nov;42(11):2010-3

Antibacterial action of combinations of oxytetracycline, dimethyl sulfoxide, and EDTA-tromethamine on Proteus, Salmonella, and Aeromonas. Wooley RE, et al. **Am J Vet Res** 1982 Jan;43(1):130-3

Rabbit aortic contractile responses and 45Ca retention in tris and bicarbonate buffers. Karaki H, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):29-39

Tris (hydroxmethyl) aminomethane permits the expression of insulin-induced receptor loss in isolated rat adipocytes. Marshall S, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):646-53

Myocardial muscarinic acetylcholine receptor: choline and tris unmask heterogeneity of antagonist binding sites. Sastre A, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):383-8

Kinetic studies of the transphosphorylation reactions catalyzed by alkaline phosphatase from E. coli: hydrolysis of p-nitrophenyl phosphate and o-carboxyphenyl phosphate in presence of Tris. Roig MG, et al. **Int J Biochem** 1982;14(7):655-66

Factors affecting in vitro DNA ejection of the Lactobacillus lactis bacteriophage LL-H. Alatossava T. **J Gen Virol** 1982 Mar;59(Pt 1):173-5

Nutritional significance of intestinal sucrase activity in rats. Kimura T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(5):485-8

Effect of tris (hydroxymethyl) aminomethane on amine oxidase activity in dog brain, liver and serum and in human placenta. Hayashi N, et al. **Jpn J Pharmacol** 1981 Oct; 31(5):737-46

Unsuitability of glycylglycine, phosphate and tris-(hydroxymethyl)aminomethane buffer solutions for the field potentials of guinea pig olfactory cortical slice. Fujii T, et al. **Jpn J Physiol** 1981;31(5):763-7

Effect of buffer constituents on rat liver 3-hydroxy-3-methyl glutaryl coenzyme A reductase. Srikantaiah MV, et al. **Lipids** 1981 Dec;16(12):934-6

TROPANES

ADVERSE EFFECTS

Delirium and stereotypy from anticholinergic antiparkinson drugs. Kulik AV, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(1):75-82

METABOLISM

Protection by 3-amino-1,2,4-triazole against the lowered uptake of p-biphenylmethyl-(dl-tropyl-alpha-tropinium) bromide into the hepatic lysosomes of carbon tetrachloride-treated mice. Matsumoto Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Dec;29(12):3617-23

PHARMACODYNAMICS

Comparative effects of benztropine and nomifensine on dopamine uptake and release from striatal synaptosomes. McKillop D, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2753-8

Benztropine-induced prolongation of responses to vasodilator nerve stimulation in the canine paw pad. Bell C. **Br J Pharmacol** 1982 Jun;76(2):231-3

Effect of antimuscarinic agents on the contractile responses to cholinomimetics in the rat anococcygeus muscle. Doggrell SA. **Br J Pharmacol** 1981 Aug;73(4):829-35

Modification by hexamethonium of the muscarinic receptors blocking activity of pancuronium and homatropine in isolated tissues of the guinea-pig. Leung E, et al. **Eur J Pharmacol** 1982 May 7;80(1):11-7

[Effect of motropin and naloxone on electroacupuncture analgesia] Zakusov VV, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):440-2 (Eng. Abstr.) **(Rus)**

[Mechanism of the central effects of tropane] Zakusov VV, et al. **Farmakol Toksikol** 1981 Sep-Oct;44(5):529-31 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Reversal of drug-induced priapism in a gelding by medication [letter] Sharrock AG. **Aust Vet J** 1982 Jan; 58(1):39-40

Parkinson's disease: Cogentin with Sinemet, a better response. Tourtellotte WW, et al. **Prog Neuropsychopharmacol Biol Psychiatry** 1982;6(1):51-5

[Pediatric use of a drug, anticholinergic and muscle relaxant on the gastrointestinal tract] Gamalero PC, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1-2):79-81 **(Ita)**

[Mechanism of action of various neurotrophic drugs on reparative processes in injured gastric mucosa] Loginov AS, et al. **Patol Fiziol Eksp Ter** 1982 Jan-Feb;(1):26-30 (Eng. Abstr.) **(Rus)**

TROPHOBLAST

ANALYSIS

Human trophoblasts: cellular source of colony-stimulating activity in placental tissue. Ruscetti FW, et al. **Blood** 1982 Jan;59(1):86-90

Trophoblastic cells of the hydatidiform mole contain a beta 1-subtype adrenergic receptor. Moore JJ Jr, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):341-6

Purification and properties of a major, low molecular weight protein released by the trophoblast of sheep blastocysts at day 13-21. Godkin JD, et al. **J Reprod Fertil** 1982 May; 65(1):141-50

Biochemical studies of human syncytiotrophoblastic plasma membrane proteins. O'Sullivan MJ, et al. **J Reprod Immunol** 1981 Nov;3(5):297-306

Immunoelectrophoretic evidence that the human syncytiotrophoblast transferrin receptor is identical to a major plasma membrane antigen present throughout pregnancy. Booth CM, et al. **Placenta** 1982 Jan-Mar; 3(1):57-66

Radioimmunochemical measurement of the transferrin receptor in human trophoblast and reticulocyte membranes with a specific anti-receptor antibody. Enns CA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4222-5

[Evaluation of a trophoblastic beta-globulin preparation in the leukocyte adhesion inhibition test during pregnancy] Tsagaraeva TM, et al. **Biull Eksp Biol Med** 1981 Jul; 92(7):64-6 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of methods for determining trophoblastic beta-globulin] Petrunina IuA. **Lab Delo** 1981; (10):601-2 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Cyclic nucleotides and cellular kinetics in normal and abnormal human trophoblastic tissue. Masuko K, et al. **Arch Gynecol** 1981;230(4):335-44

Extraction and identification of trophoblast cells circulating in peripheral blood during pregnancy. Goodfellow CF, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):65-8

Trophoblast sampling in early pregnancy. Culture of rapidly dividing cells from immature placental villi. Niazi M, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1081-5

On the control of the trophoblastic giant-cell transformation in the mouse: homotypic cellular interactions and polyploidy. Ilgren EB. **J Embryol Exp Morphol** 1981 Apr; 62:183-202

The control of trophoblastic growth in the guinea pig. Ilgren EB. **J Embryol Exp Morphol** 1980 Dec;60:405-18

Lineage analysis of inner cell mass and trophectoderm using microsurgically reconstituted mouse blastocysts. Papaioannou VE. **J Embryol Exp Morphol** 1982 Apr; 68:199-209

Effect of culture conditions on diploid to giant-cell transformation in postimplantation mouse trophoblast. Rossant J, et al. **J Embryol Exp Morphol** 1981 Apr; 62:217-27

Immunostaining of human syncytiotrophoblast with anti-beta-lipotropin: an illustration of the limitations of immunocytochemistry. Halmi NS, et al. **J Histochem Cytochem** 1982 Jun;30(6):538-40

DRUG EFFECTS

In vitro inhibiton of trophoblast maturation and expansion of early rat blastocysts by an oestrogen antagonist. Roy SK, et al. **Acta Endocrinol (Copenh)** 1982 Jan;99(1):129-35

Effect of therapeutic levels of magnesium sulphate, methyldopa, hydralazine and phenobarbitone on normal term human trophoblast in vitro. Lueck J, et al. **Placenta** 1982 Jan-Mar;3(1):39-44

[Gestational trophoblastic emboli as possible cause of an acute respiratory distress syndrome (author's transl)] Hoflehner G, et al. **Wien Med Wochenschr** 1981 Oct 15;131(19):475-7 (Eng. Abstr.) **(Ger)**

[Action of oestrogens on in vitro metabolism of trophoblast from human early pregnancy (author's transl)] Nagy P, et al. **Zentralbl Gynakol** 1982;104(2):111-6 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Localization of renin in trophoblasts in human chorion laeve at term pregnancy. Poisner AM, et al. **Endocrinology** 1981 Oct;109(4):1150-5

DNA polymerase beta involvement in DNA endoreduplication in rat giant trophoblast cells. Siegel RL, et al. **J Biol Chem** 1982 Feb 25;257(4):1785-90

IMMUNOLOGY

Antigens of the human syncytiotrophoblast microvillus plasma membrane. Johnson PM, et al. **Am J Reprod Immunol** 1981;1(2):83-7

Effect of anti-HCG sera on purified syncytiotrophoblast from full-term human placenta. Paul S, et al. **Am J Reprod Immunol** 1982 Feb;2(1):39-42

Human trophoblast antigens. Role in normal and abnormal pregnancies. Faulk WP. **Bull Mem Acad R Med Belg** 1981; 136(7):379-88

Transplantation antigen expression on murine trophoblast detection by induction of specific alloimmunity. Pavia CS, et al. **Cell Immunol** 1981 Oct;64(1):162-76

Identification of human trophoblast membrane antigens in maternal blood during pregnancy. O'Sullivan MJ, et al. **Clin Exp Immunol** 1982 Apr;48(1):279-87

The actions of composite trophoblast antigens in microvillus preparations upon cultured maternal lymphocytes from early first pregnancies. Goodfellow CF, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):15-21

Allotypic trophoblast-lymphocyte cross-reactive (TLX) cell surface antigens. McIntyre JA, et al. **Hum Immunol** 1982 Feb;4(1):27-35

Retrovirus p30-related antigen in human syncytiotrophoblasts and IgG antibodies in cord-blood sera. Suni J, et al. **Int J Cancer** 1981 Nov 15;28(5):559-66

Modulation of natural killer sensitivity of murine trophoblast cells by tumor promoter and interferon. Tanaka K, et al. **Int J Cancer** 1982 Mar 15;29(3):315-21

Human extra-embryonic membranes: role of trophoblast in normal and abnormal pregnancies. Faulk WP. **Int J Tissue React** 1981 Dec;3(3-4):139-46

Localization of paternal H-2K antigens on murine trophoblast cells in vivo. Chatterjee-Hasrouni S, et al. **J Exp Med** 1982 Jun 1;155(6):1679-89

MHC antigens on mouse trophoblast cells: paucity of Ia antigens despite the presence of H-2K and D. Chatterjee-Hasrouni S, et al. **J Immunol** 1981 Nov; 127(5):2070-3

HLA A, B, C antigens are expressed on nonvillous trophoblast of the early human placenta. Sunderland CA, et al. **J Immunol** 1981 Dec;127(6):2614-5

Detection of IgG bound within human trophoblast. Wood GW, et al. **J Immunol** 1982 Oct;129(4):1479-84

Detection of antigens on mouse giant trophoblast cells after incubation with an inhibitor of glycoprotein synthesis. Carter J. **J Reprod Fertil** 1981 Sep;63(1):155-62

Identification of syncytiotrophoblast-associated IgG in term human placentae. Johnson PM, et al. **J Reprod Immunol** 1982 Feb;4(1):1-9

Human trophoblast cell-surface antigens defined by monoclonal antibodies. Lipinski M, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5147-50

The human syncytiotrophoblast microvillous plasma membrane. Johnson PM, et al. **Prog Clin Biol Res** 1981; 70:77-91 (64 ref.)

Allotypic trophoblast-lymphocyte cross reactive (TLX) antigens. McIntyre JA, et al. **Prog Clin Biol Res** 1982;85 Pt A:463-72

An immune dependency of trophoblastic growth implied by the antithetic difference in immunology between spontaneous abortion and hydatidiform mole. Takeuchi S. **Prog Clin Biol Res** 1981;70:245-57 (44 ref.)

[Studies of humoral immunological response on the aborted trophoblasts (author's transl)] Tokunaga A. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2125-32 (Eng. Abstr.) **(Jpn)**

METABOLISM

Cultured human syncytiotrophoblasts synthesize pregnancy-specific beta-1-glycoprotein (SP1). Heikinheimo M, et al. **Acta Pathol Microbiol Scand [C]** 1981 Apr;89(2):139–44

Plasminogen activator production by trophoblast cells in vitro: effect of steroid hormones and protein synthesis inhibitors. Martin O, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):402–9

The IgG and transferrin receptors of the human syncytiotrophoblast microvillus plasma membrane. Johnson PM, et al. **Am J Reprod Immunol** 1980;1(1):4–9

Accumulation of malto-oligosaccharides in the syncytiotrophoblastic cells of first-trimester human placentas. Fisher SJ, et al. **Biochem J** 1981 Oct 15; 200(1):93–8

Kinetic and physicochemical characteristics of an endogenous inhibitor to progesterone—receptor binding in rat placental cytosol. Ogle TF. **Biochem J** 1981 Nov 1; 199(2):371–81

Dependence of membrane potential on Ca2+ transport in cultured cytotrophoblasts of human immature placentas. Yano J, et al. **Biochim Biophys Acta** 1982 Feb 23; 685(2):162–8

Lectin binding of mouse blastocysts: appearance of Dolichos biflorus binding sites on the trophoblast during delayed implantation and their subsequent disappearance during implantation. Chávez DJ, et al. **Biol Reprod** 1982 Apr; 26(3):545–52

Regulation of cholesterol metabolism by human trophoblastic cells in primary culture. Winkel CA, et al. **Endocrinology** 1981 Oct;109(4):1084–90

Luteinizing hormone-releasing factor increases release of human chorionic gonadotrophin in isolated cell columns of normal and malignant trophoblasts. Bützow R. **Int J Cancer** 1982 Jan 15;29(1):9–11

Electric potential differences in the isolated guinea-pig placenta. van Dijk JP, et al. **J Dev Physiol** 1982 Feb; 4(1):23–38

The interaction of Sepharose-immobilised IgG with isolated human placental syncytiotrophoblast plasma membrane vesicles. Brown PJ, et al. **J Reprod Immunol** 1981 Dec; 3(6):351–8

Review article: membrane vesicles from trophoblast cells as models for placental exchange studies. Bissonnette JM. **Placenta** 1982 Jan-Mar;3(1):99–106 (34 ref.)

[Determination of HCG excretion for diagnosis of trophoblast vitality and assessment of age of early pregnancy (author's transl)] Ittrich G. **Zentralbl Gynakol** 1982;104(1):52–9 (Eng. Abstr.) **(Ger)**

[Binding of trophoblast-specific beta-globulin by trophoblast membranes] Shevchenko OP, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):465–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Incidence of trophoblast's molar degeneration during pregnancy. Borri P, et al. **Eur J Gynaec Oncol** 1980 May; 1(2):84–5

PHYSIOLOGY

Compensation mechanisms for experimental reduction of the functional capacity in the guinea pig placenta. II. Changes in the trophoblast of the labyrinth. van der Heijden FL. **Acta Anat (Basel)** 1981;111(4):359–66

Is the human trophoblast in vitro an adaptive tissue for immunological influences? Kolesnikov SI, et al. **Acta Biol Acad Sci Hung** 1981;32(2):147–56

Morphodynamics of outgrowths of mouse trophoblast in the presence and absence of a monolayer of uterine epithelium. Van Blerkom J, et al. **Am J Anat** 1981 Oct;162(2):143–55

Growth of trophoblast in mouse lung. Carr DH, et al. **Experientia** 1982 Jun 15;38(6):701–2

The control of trophoblastic growth in the guinea pig. Ilgren EB. **J Embryol Exp Morphol** 1980 Dec;60:405–18

Characteristics of the trophoblast in placental resorption villi after antepartum glucose infusions: possibilities for the therapy of chronic placental insufficiency. Ruckhäberle KE, et al. **J Perinat Med** 1981;9(5):211–8

Demethylation of CpG sites in DNA of early rabbit trophoblast. Manes C, et al. **Nature** 1981 Oct 15–21; 293(5833):589–90

The initiation and control of trophoblastic growth in the mouse: binucleation and polyploidy. Ilgren EB. **Placenta** 1981 Oct-Dec;2(4):317–32

The pattern of interstitial trophoblastic invasion of the myometrium in early human pregnancy. Pijnenborg R, et al. **Placenta** 1981 Oct-Dec;2(4):303–16

Trophoblastic disease: a bridge between pregnancy and malignancy. Deligdisch L. **Prog Clin Biol Res** 1981; 70:323–37 (49 ref.)

SECRETION

[Studies on the secretion of human placental lactogen from human trophoblastic tissues (author's transl)] Komeda Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 May 20; 58(5):647–61 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Age changes in the fine structure of rat trophoblast giant-cells. Jollie WP. **Anat Embryol (Berl)** 1981; 162(1):105–19

Peculiar ruthenium red staining pattern of the human early trophoblast. Sideri M, et al. **Experientia** 1982 Jul 15; 38(7):847–8

Morphologic and cytochemical identification of microperoxisomes in human and non-human primate placental trophoblast. King BF. **Histochemistry** 1982; 74(1):115–21

Structure of trophoblast papillae on the sheep conceptus at implantation. Wooding FB, et al. **J Anat** 1982 May;134 (Pt 3):507–16

Cytochemical studies of uterine and trophoblastic surface coats during blastocyst attachment in the ewe. Guillomot M, et al. **J Reprod Fertil** 1982 May;65(1):1–8

Placental polyploidization: a comparative study in the mouse and the guinea pig. Ilgren EB. **Placenta** 1981 Oct-Dec; 2(4):333–42

[Polarization microscopic studies of the fine structure of the maternal-fetal barrier in normal human placentas depending on gestational age] Keller F, et al. **Gegenbaurs Morphol Jahrb** 1981;127(5):668–71 (Eng. Abstr.) **(Ger)**

[An ultrastructural study of penetration and replacement process by trophoblast cell into human maternal vessel (author's transl)] Hata T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1917–24 (Eng. Abstr.) **(Jpn)**

[Negative surface charge of human trophoblast and its biological role (author's transl)] Kawagoe K. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):497–506 (Eng. Abstr.) **(Jpn)**

[Study on tissue culture of human chorionic tissue from early gestation: identification and observation of human trophoblast grown by a new culture method (author's transl)] Kinoshita M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1157–66 (Eng. Abstr.) **(Jpn)**

TROPHOBLASTIC TUMOR

[Diagnostic and therapeutic limitations in gestational trophoblastic disease] Inzunza B, et al. **Rev Chil Obstet Ginecol** 1979;44(5):220–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

Immunohistochemical demonstration of placental protein 5 in trophoblastic tumours. Lee JN, et al. **Placenta** 1982 Jan-Mar;3(1):67–70

[Pregnancy and placental proteins (SP1, HCG, PP5, alpha 2-PAG) in trophoblastic tumor diseases] Than G, et al. **Orv Hetil** 1981 Oct 25;122(43):2650–4 **(Hun)**

[An immunohistochemical study in conjunction with the enzyme labelled antibody method to discern the relevancy between the localization of hCG, hPL and the functions of the normal and malignant trophoblast (author's transl)] Tanaka A. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May; 34(5):579–88 (Eng. Abstr.) **(Jpn)**

BLOOD

Serum prolactin levels and immunohistochemical localization of prolactin in trophoblastic disease. Ranta T, et al. **Acta Pathol Microbiol Scand [A]** 1981 May;89(3):235–9

Is pregnancy-associated plasma protein A a tumor marker? Bischof P, et al. **Am J Obstet Gynecol** 1982 Jun 15; 143(4):379–81

Placental proteins (SP1, hCG, PP5) and alpha 2-PAG in trophoblastic diseases. Than GN, et al. **Arch Gynecol** 1981; 231(1):33–9

Circulating placental proteins (hCG, SP1 and PP5) in trophoblastic disease. Lee JN, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):69–72

Effect of variations in globulin concentrations on serum radioimmunoassay results, as exemplified by choriogonadotropin. Jawad MJ, et al. **Clin Chem** 1981 Dec; 27(12):1993–6

Concanavalin A binding of pregnancy-specific beta-1-glycoprotein in normal pregnancy and trophoblastic disease. Koistinen R, et al. **Oncodev Biol Med** 1981; 2(3):179–82

[The response of free alpha-subunit of glycoprotein hormones to LH-RH administration (author's transl)] Hamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 May 20;58(5):679–88 (Eng. Abstr.) **(Jpn)**

[Assessment of RIA kit for measuring pregnancy-specific beta 1 glycoprotein (SP1) and its clinical significance as a tumor marker (author's transl)] Tsujino D, et al. **Radioisotopes** 1981 Sep;30(9):502–4 **(Jpn)**

CLASSIFICATION

[Close classification method of undetermined cases of trophoblastic disease (author's transl)] Uchida K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2017–25 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Nephrotic syndrome in association with a trophoblastic neoplasm [letter] Lambie AT, et al. **Clin Nephrol** 1982 Mar; 17(3):160–1

Hydatidiform mole and gestational trophoblastic disease in Southern Connecticut. Kohorn EI. **Obstet Gynecol** 1982 Jan;59(1):78–84

DIAGNOSIS

Concentrations of SP1 and beta-hCG in serum and cerebrospinal fluid and concentrations of hCG in urine in patients with trophoblastic tumour. Soma H, et al. **Arch Gynecol** 1981;230(4):321–7

Gestational trophoblastic neoplasia. Hammond CB, et al. **CA** 1981 Nov-Dec;31(6):322–32

Trophoblastic tumors--prognostic factors. Jones WB. **Cancer** 1981 Jul 15;48(2 Suppl):602–7 (60 ref.)

From the NIH: Improved method for diagnosing and monitoring women with gestational trophoblastic neoplasms. **JAMA** 1981 Dec 11;246(23):2688

Further observations on the sonographic spectrum of gestational trophoblastic disease. Munyer TP, et al. **JCU** 1981 Sep;9(7):349–58

Pregnancy-specific beta 1-glycoprotein in complicated early pregnancy and trophoblastic disease. Seppälä M, et al. **Ric Clin Lab** 1982 Jan-Mar;12(1):251–4 (5 ref.)

[2 cases of trophoblastic degeneration in twin pregnancy] Dolfin G, et al. **Minerva Ginecol** 1982 Jan-Feb; 34(1–2):63–70 **(Ita)**

[The study for the standard of the remission of the patients with trophoblastic disease (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):511–20 (Eng. Abstr.) **(Jpn)**

[Diagnostic value of determining chorionic gonadotropin and trophoblastic beta 1-glycoprotein in trophoblastic disease] Grinevich IuA, et al. **Vopr Onkol** 1981;27(12):19–23 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of trophoblastic uterine tumors] Kozachenko VP, et al. **Vopr Onkol** 1982;28(5):97–103 (Eng. Abstr.) **(Rus)**

[Foremost tasks in the problem of trophoblastic disease] Nechaeva ID. **Vopr Onkol** 1982;28(3):42–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of nonmetastatic gestational trophoblastic disease: results of methotrexate alone versus methotrexate--folinic acid. Smith EB, et al. **Am J Obstet Gynecol** 1982 Sep 1; 144(1):88–92

Chemotherapy with the modified Bagshawe protocol for poor prognosis metastatic trophoblastic disease. Weed JC Jr, et al. **Obstet Gynecol** 1982 Mar;59(3):377–80

[Clinical observation on 90 cases of malignant trophoblastic neoplasms treated with gengxinmycin (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):57–9 **(Chi)**

[Results of the treatment of trophoblast tumours (author's transl)] Tscherne G. **Geburtshilfe Fraunheilkd** 1982 May; 42(5):371–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pathogenesis of gestational trophoblastic neoplasms. Berkowitz RS, et al. **Pathobiol Annu** 1981;11:391–411 (50 ref.)

IMMUNOLOGY

Circulating immune complexes as markers of response to chemotherapy in malignant teratomas and gestational trophoblastic tumours. Begent RH, et al. **Br J Cancer** 1982 Feb;45(2):217–22

HLA antigens in husband-wife pairs with trophoblastic tumor. Yamashita K, et al. **Gynecol Oncol** 1981 Aug; 12(1):68–74

Carcinomas induced by cell lines cultivated from normal mouse placentas. Log T, et al. **Int J Cancer** 1981 Mar 15; 27(3):365–72

Circulating immune complex levels in patients with gestational trophoblastic neoplasia. Rayner AA, et al. **JNCI** 1982 Jul;69(1):23–6

Histocompatibility antigens in pregnancy, abortions, infertility, preeclampsia, and trophoblast neoplasms. Pattillo RA. **Prog Clin Biol Res** 1981;70:259–68 (39 ref.)

Characterization of antibodies reacting with husband's lymphocytes in sera from patients with trophoblastic malignancies. Tursz T, et al. **Tissue Antigens** 1981; 17(4):376–85

[Immunologic disorders in trophoblastic disease] Grinevich IuA, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):17–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Criteria toward the definition of nonmetastatic gestational trophoblastic disease after hydatidiform mole. Kohorn EI. **Am J Obstet Gynecol** 1982 Feb 15;142(4):416–9

NURSING

The clinical nurse specialist's role in the management of gestational trophoblastic neoplasms. Marean AR. **Major Probl Obstet Gynecol** 1982;14:229–41

OCCURRENCE

[Vesicular mole. Epidemiological considerations] Villani C, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):593–8 (Eng. Abstr.) **(Ita)**

[Observation on some clinical aspects of trophoblastic diseases (author's transl)] Kawashima Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1423–37 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

The nature of trophoblastic disease initiated by transplantation into immunosuppressed animals. Kato M, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):497–505

Trophoblastic pseudotumor–evidence of malignant disease potential. Twiggs LB, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):238–48

Placental site trophoblastic tumour (trophoblastic pseudotumour): a study of four cases requiring hysterectomy including one fatal case. Eckstein RP, et al. **Histopathology** 1982 Mar;6(2):211–26

Pathology of trophoblastic disease. Gore H. **Major Probl Obstet Gynecol** 1982;14:11–63

Trophoblastic disease: a bridge between pregnancy and malignancy. Deligdisch L. **Prog Clin Biol Res** 1981; 70:323–37 (49 ref.)

[2 cases of trophoblastic tumor of the fallopian tube] Kalinin AV. **Akush Ginekol (Mosk)** 1981 Sep;(9):54 **(Rus)**

PSYCHOLOGY

Psychological and social impact of gestational trophoblastic neoplasms. Hamilton N. **Major Probl Obstet Gynecol** 1982; 14:242–54

RADIOGRAPHY

Utility of diagnostic imaging in the staging of gestational trophoblastic disease. Williams AG Jr, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):159–63

THERAPY

Recurrent gestational trophoblastic disease. Surwit EA, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):177–85

Gestational trophoblastic neoplasms. Clinical principles of diagnosis and management. Goldstein DP, et al. **Major Probl Obstet Gynecol** 1982;14:1–301

URINE

Results of a system of registration and follow-up of patients with hydatidiform mole. Katoh T, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):47–57

Characterization of a small molecular size urinary immunoreactive human chorionic gonadotropin (hCG)-like substance produced by normal placenta and by hCG-secreting neoplasms. Masure HR, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1014–20

TROPICAL CLIMATE

Neonatal septicaemia in the tropics. Dawodu AH, et al. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):1–6

Is poliomyelitis in the tropics provoked by injections? Wyatt HV. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):73–80

Normal haematological values in tropical areas. Gilles HM. **Clin Haematol** 1981 Oct;10(3):697–706 (54 ref.)

Studies on dermatomycoses in Calicut (Kerala). Clinical and mycological investigations. Amma SM, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):11–7

Physiological responses during work in hot humid environments. Gupta JS, et al. **Indian J Physiol Pharmacol** 1981 Oct–Dec;25(4):339–47

The tropics and parasitic diseases of animals – their impact on animal and human health. Arambulo PV 3d, et al. **Int J Zoonoses** 1981 Jun;8(1):5–19 (35 ref.)

A medium for the rapid enumeration of Escherichia coli in the presence of other faecal coliforms in tropical waters. Wright RC. **J Hyg (Lond)** 1982 Apr;88(2):265–73

Traveller's Diarrhoea [editorial] **Lancet** 1982 Apr 3; 1(8275):777–8

The effect of environmental temperature on sebum composition of tropical and temperate breeds of cattle. O'Kelly JC, et al. **Lipids** 1982 Jan;17(1):19–26

Fever origins in the tropics. Odio WT, et al. **Scand J Infect Dis** 1982;14(1):79–80

Air pollution in tropical areas. Sanhueza E, et al. **Sci Total Environ** 1982 Apr;23:3–10

Serum alkaline and acid phosphatase values in market weight pigs reared in a tropical environment. Kasali OB, et al. **Zentralbl Veterinarmed [A]** 1981;28(3):183–6

[Aspects of tropical epidemiology] Voelckel J. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):697–703 (Eng. Abstr.) **(Fre)**

[Principles for antibiotics use in tropical environment (author's transl)] Lafaix C, et al. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):709–13 **(Fre)**

[Cardiomyopathies in warm climate] Tomaszewski R, et al. **Wiad Lek** 1981 Jun 1;34(11):877–80 (Eng. Abstr.) **(Pol)**

[Remarks regarding helminthiasis of the tropical zone] Kuźmicki R. **Wiad Parazytol** 1980;26(4–5):407–10 **(Pol)**

[Erythrocyte indices of rabbits in a hot, humid climate] Bulygin AN, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):394–5 (Eng. Abstr.) **(Rus)**

[Preservation of the virulence of typhoid and paratyphoid bacteria in sewage and soil in a hot climate] Ergasheva LE, et al. **Gig Sanit** 1982 May;(5):85–7 **(Rus)**

[Patterns in the readaptation process of sailors following a cruise in low latitudes] Berdyshev VV. **Voen Med Zh** 1981 Aug;(8):50–2 **(Rus)**

[Vitamin C body allowance of sailors in the tropics] Berdyshev VV, et al. **Voen Med Zh** 1981 Dec;(12):53–5 **(Rus)**

[Indices of human adaptation to humid tropical conditions] Berdyshev VV. **Voen Med Zh** 1982 Mar;(3):45–7 **(Rus)**

[Circadian characteristics of body functions in sailors in the tropics] Berdyshev VV, et al. **Voen Med Zh** 1982 May; (5):47–8 **(Rus)**

[Skin function in sailors in the tropics] Grigorenko GF, et al. **Voen Med Zh** 1982 Jan;(1):52–4 **(Rus)**

[Treatment of mycoses in the tropics] Nguyen HH, et al. **Voen Med Zh** 1982 Jun;(6):53–4 **(Rus)**

TROPICAL MEDICINE

Issues in filariasis--a century of enquiry and a century of failure. Nelson GS. **Acta Trop (Basel)** 1981 Sep; 38(3):197–204

Future structure of clinical tropical medicine in the United Kingdom [letter] **Br Med J [Clin Res]** 1982 Jun 12; 284(6331):1781–2

Schools of public health. Acheson RM. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):534–6

Clinics in haematology. **Clin Haematol** 1981 Oct; 10(3):697–1073

Iron deficiency in the tropics. Fleming AF. **Clin Haematol** 1982 Jun;11(2):365–88 (142 ref.)

Progress of UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases–1979–80 TDR excerpts from TDR-STAC- 2/80.3. Rao CK. **J Commun Dis** 1980 Dec;12(4):222–4

Diagnostic serology of tropical parasitic diseases. Voller A, et al. **J Immunol Methods** 1981;46(1):1–29 (245 ref.)

The state of tropical medicine in the United Kingdom [editorial] **Lancet** 1982 Jan 23;1(8265):204–6

Longstanding tropical infections amongst former war prisoners of the Japanese [letter] Gill GV, et al. **Lancet** 1982 Apr 24;1(8278):958–9

Is diarrhoea a major cause of cataract in some tropical countries? Harding JJ, et al. **Metab Pediatr Ophthalmol** 1981;5(3–4):161–6

Tropical infections contracted in Papua New Guinea and imported into Western Australia. Charters AD. **Papua New Guinea Med J** 1981 Jun;24(2):74–9

The role of eosinophils in tropical disease. McLaren DJ. **Semin Hematol** 1982 Apr;19(2):100–6 (65 ref.)

Recent work concerning anemia in the tropics. Woodruff AW. **Semin Hematol** 1982 Apr;19(2):141–7 (50 ref.)

Man-made lakes and man-made diseases. Towards a policy resolution. Hunter JM, et al. **Soc Sci Med** 1982; 16(11):1127–45

Social and economic research in the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases. Rosenfield PL, et al. **Soc Sci Med [a]** 1981 Sep;15(5):529–38

Medical relief work among Cambodian refugees in Thailand. Harvey JC. **Trans Am Clin Climatol Assoc** 1980;92:28–38

A review of practice, training and research in Army Tropical medicine: the case for continued British involvement. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:49–51

The present state of tropical medicine in the United Kingdom. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:1–60

The present state of tropical medicine in the United Kingdom. **Trans R Soc Trop Med Hyg** 1982;76(1):135–40

The significance to industry in Britain of continuing centres of excellence in tropical medicine. Ashworth NW. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:47–8

The present state of tropical medicine in the United Kingdom. Introduction. Goodwin L, et al. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:3–4

The British citizen abroad. Mackay DM. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:45–6

The scope of tropically relevant research by the Medical Research Council, the Wellcome Trust and academic establishments other than the Schools of Tropical Medicine. Ogilvie BM. **Trans R Soc Trop Med Hyg** 1981; 75 Suppl:42–4

Britain's contribution to health and medicine in tropical countries through medical missions. Schram R. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:56–8

Britain's role in tropical veterinary medicine: past, present and future. Sinclair KB. **Trans R Soc Trop Med Hyg** 1981; 75 Suppl:32–4

Primary health care [editorial] Colbourne MJ. **Trop Doct** 1982 Jul;12(3):97–8

McLetchie on mass campaigns. Hackett CJ. **Trop Doct** 1982 Jan;12(1):35–8

Dermoid cysts: a 'tropical' presentation. Harverson G, et al. **Trop Doct** 1982 Jul;12(3):123–4

[2d International Colloqium on Tropical Microbiology. Abidjan, 22–25 March 1982. Abstracts] **Ann Microbiol (Paris)** 1982 May–Jun;133(3):489–537 (Fre)

[Special program of research and training in tropical diseases] **Ann Soc Belg Med Trop** 1982 Mar;62(1):73–81 (Fre)

[Special program for research and training in tropical diseases] **Ann Soc Belg Med Trop** 1982 Mar;62(1):73–81 (Fre)

[The place of France in world-wide medical research in tropical medicine] Sankalé M. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):717–22 (Eng. Abstr.) **(Fre)**

[Supervision of the antibiotic therapy in tropical areas (author's transl)] Ricossé JH, et al. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):714–21 (Eng. Abstr.) **(Fre)**

[Traumatology in the tropics] Bourrel P. **Med Trop (Mars)** 1982 Mar–Apr;42(2):123–8 **(Fre)**

[Tropical ophthalmology. Introduction] Vedy J. **Med Trop (Mars)** 1981 Sep–Oct;41(5):475–6 **(Fre)**

[Working abroad. Basic principle 35] Haas J. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Mar;32(3):102–6 **(Ger)**

[Development of special research programs in the field of parasitic diseases and tropical diseases] Martinotti MG, et al. **G Batteriol Virol Immunol** 1981 Jan–Jun;74(1–6):181–8 **(Ita)**

ECONOMICS

A household framework for examining the social and economic consequences of tropical diseases. Popkin BM. **Soc Sci Med** 1982;16(5):533–43

British tropical medicine for today: policy and financing--international. Bradley DJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:35–8

The Overseas Development Administration support for tropical medicine. Sinclair KB. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:39–41

EDUCATION

Mental health in tropical medicine. Carstairs GM. **J Trop Med Hyg** 1982 Feb;85(1):13–7

Teaching tropical medicine [letter] Bryceson A. **Lancet** 1982 Jun 5;1(8284):1308

The Liverpool School of Tropical Medicine. Gilles HM. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:21–6

The London School of Hygiene and Tropical Medicine. Smith CE. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:12–20

Tropical medicine in British clinical schools: the Oxford experiment. Weatherall DJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:27–8

[Teaching of tropical medicine in France] Pene P. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):711–5 **(Fre)**

[Remarks regarding helminthiasis of the tropical zone] Kuźmicki R. **Wiad Parazytol** 1980;26(4–5):407–10 **(Pol)**

[Malaria vector study within the framework of the Special Program for Research and Training in Tropical Diseases] Kashaeva GV, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug; 50(4):20–3 (Eng. Abstr.) **(Rus)**

[Special Program for Research and Training in Tropical Disease. I] Nikolaevskii GP, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):14–20 (Eng. Abstr.) **(Rus)**

[Tropical parasitology problems and an analysis of the activities of the Special Program for Research and Training in Tropical Diseases] Soprunov FF. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):3–14 (Eng. Abstr.) **(Rus)**

HISTORY

The bench and the bush in tropical medicine. Warren KS. **Am J Trop Med Hyg** 1981 Nov;30(6):1149–58

Medicine and health in the tropics: a brief history of Britain's role with a comment on its future. Duggan AJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:5–8

A brief history of the Wellcome Museum of Medical Science. Duggan AJ. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:29–31

Tropical medicine and research in British territories overseas. Mulligan HW. **Trans R Soc Trop Med Hyg** 1981;75 Suppl:9–11

[Various key points from the history of cardiac beriberi important for the practicing physician] Majoor CL, et al. **Ned Tijdschr Geneeskd** 1982 Apr 24;126(17):771–5 **(Dut)**

[Importance of works of I. A. Kassirskii, Academician of the USSR Academy of Medical Sciences, in research on the regional pathology of Uzbekistan (on the 10th anniversary of his death)] Askarov UA. **Ter Arkh** 1982; 54(2):150–2 **(Rus)**

INSTRUMENTATION

[Value in tropical traumatologic practice of the French army medical service device for external fixation of fractures (author's transl)] Chambon M, et al. **Med Trop (Mars)** 1982 Mar–Apr;42(2):151–4 (Eng. Abstr.) **(Fre)**

METHODS

[Ambulant tropical medicine there and here (author's transl)] Heimgartner E. **Praxis** 1981 Sep 22;70(39):1699–706 (Eng. Abstr.) **(Ger)**

TRENDS

Future structure of clinical tropical medicine in the United Kingdom [letter] **Br Med J [Clin Res]** 1982 Jun 26; 284(6333):1945–7

Future structure of clinical tropical medicine in the United Kingdom. Cook GC. **Br Med J [Clin Res]** 1982 May 15; 284(6327):1460–1

The present state of tropical medicine in Britain and its future

prospects: conclusions. Duggan AJ, et al.
Trans R Soc Trop Med Hyg 1981;75 Suppl:59–60
New knowledge is accumulating fast. An interview with Dr. Adetokunbo O. Lucas, Director, UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases. Lucas AO. **WHO Chron** 1982; 36(1):26–36

TROPICAMIDE see under **PYRIDINES**

TROPITAL see under **DIOXOLES**

TROPOELASTIN see under **ELASTIN**

TROPOLONE see under **CYCLOHEPTANES**

TROPOMYOSIN

Analysis of cooperativity observed in pH titrations of proton nuclear magnetic resonances of histidine residues of rabbit cardiac tropomyosin. Edwards BF, et al. **Biochemistry** 1981 Jul 7;20(14):4193–8
n-Mer binding on a one-dimensional lattice of two-state m-site m-site cells: heavy meromyosin on regulated actin as an example. Tsuchiya T, et al. **Biopolymers** 1981 Jul; 20(7):1399–411
Analysis of periodic structure in model subcellular macromolecular arrays by Fourier processing of single line video signals in scanning transmission electron microscopy. Hodge AJ, et al. **IEEE Trans Biomed Eng** 1982 Jun; 29(6):439–47
Effect of troponin and tropomyosin on the interaction between cytochalasin B and actin filaments. Suenaga N, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1249–56
Active streaming against gravity in glass microcapillaries of solutions containing acto-heavy meromyosin and native tropomyosin. Tirosh R, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1435–40
Structures of alpha-tropomyosin magnesium paracrystals. II. Stimulation of staining patterns from the sequence and some observations on the mechanism of positive staining. Stewart M. **J Mol Biol** 1981 Jun 5;148(4):411–25
Smooth muscle tropomyosin paracrystals. Yamaguchi M, et al. **J Ultrastruct Res** 1982 Jul;80(1):111–22
[Interaction of alpha-actinin and tropomyosin with F-actin] Tskhovrebova LA, et al. **Biofizika** 1982 Jan–Feb;27(1):20–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Tropomyosin stability: assignment of thermally induced conformational transitions to separate regions of the molecule. Williams DL Jr, et al. **Biochemistry** 1981 Jun 23;20(13):3856–64
Lack of tropomyosin correlates with the absence of stress fibers in transformed rat kidney cells. Leonardi CL, et al. **Biochim Biophys Acta** 1982 Apr 29;720(2):154–62
Structure of vimentin 10-nm filaments probed with a monoclonal antibody that recognizes a common antigenic determinant on vimentin and tropomyosin. Blose SH, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):455–63
A variant of human nonmuscle tropomyosin found in fibroblasts by using two-dimensional electrophoresis. Giometti CS, et al. **J Biol Chem** 1981 Nov 25; 256(22):11840–6
Properties of tropomyosin from the dual-regulated obliquely striated body wall muscle of the earthworm (Lumbricus terrestris L.). Ditgens A, et al.
J Muscle Res Cell Motil 1982 Mar;3(1):57–74
A radioimmunoassay method for quantification of alpha-tropomyosin in heart homogenates. Moore PB, et al. **J Muscle Res Cell Motil** 1982 Jun;3(2):145–60
Quantification of tropomyosin by radioimmunoassay in developing hearts of cardiac mutant axolotls, Ambystoma mexicanum. Moore PB, et al. **J Muscle Res Cell Motil** 1982 Jun;3(2):161–7
[Tropomyosins in human muscular and non-muscular tissue] Davydov AA, et al. **Vopr Med Khim** 1981 May–Jun; 27(3):330–4 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Relative synthesis of cardiac contractile proteins. Evidence for synthesis from the same precursor pool. Evans CD, et al. **Biochem J** 1981 Mar 15;194(3):673–8
Separation of the mRNAs coding for alpha- and beta-tropomyosin. MacLeod AR. **FEBS Lett** 1981 Aug 3; 130(2):227–9
Biosynthesis of tropomyosin and troponin during development of the chicken skeletal muscle. Matsuda R, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):815–21

BLOOD

Preparation and some properties of equine platelet tropomyosin. Côté GP, et al. **J Biol Chem** 1981 Nov 10; 256(21):11004–10
The effects of platelet tropomyosin on the ATPase activities of muscle actomyosin subfragment 1 in the absence and presence of troponin, its components, and calmodulin. Côte GP, et al. **J Biol Chem** 1981 Dec 10;256(23):11999–2004
Porcine platelet tropomyosin. Purification, characterization and paracrystal formation. der Terrossian E, et al.
J Mol Biol 1981 Nov 25;153(1):147–67

GENETICS

Cloning and characterization of cDNA sequences corresponding to myosin light chains 1, 2, and 3, troponin-C, troponin-T, alpha-tropomyosin, and alpha-actin. Garfinkel LI, et al. **J Biol Chem** 1982 Sep 25; 257(18):11078–86
Separation of the mRNAs coding for different forms of chick embryo gizzard tropomyosin. Segura M, et al.
J Biol Chem 1982 Aug 10;257(15):8867–71
Construction of bacterial plasmids containing sequences complementary to chicken alpha-tropomyosin mRNA. MacLeod AR. **Nucleic Acids Res** 1981 Jun 25;9(12):2675–89

IMMUNOLOGY

Visualization of monoclonal antibody binding to tropomyosin on native smooth muscle thin filaments by electron microscopy. Matsumura F, et al. **J Mol Biol** 1982 May 5;157(1):163–71
[Degree of participation of native and denaturized human proteins in the formation of autoimmune reactions in rheumatism and other diseases] Zborovskii AB, et al.
Sov Med 1981;(7):48–52 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

alpha- and beta-tropomyosin in typed single fibers of human skeletal muscle. Billeter R, et al. **FEBS Lett** 1981 Sep 14; 132(1):133–6
Heterogeneity of contractile proteins. Differences in tropomyosin in fast, mixed, and slow skeletal muscles of the rabbit. Bronson DD, et al. **J Biol Chem** 1982 Apr 10; 257(7):3937–44
Isolation and identification of paramyosin from amphioxus notochord. Castellani-Ceresa L, et al.
J Muscle Res Cell Motil 1982 Mar;3(1):75–85

METABOLISM

Molecular arrangement of troponin-tropomyosin in the thin filament. Ohtsuki I, et al. **Adv Biophys (Tokyo)** 1982; 15:93–130 (103 ref.)
Non-polymerizable tropomyosin: preparation, some properties and F-actin binding. Mak AS, et al.
Biochem Biophys Res Commun 1981 Jul 16;101(1):208–14
Potentiated state of the tropomyosin actin filament and nucleotide-containing myosin subfragment 1. Murray JM, et al. **Biochemistry** 1982 Mar 2;21(5):906–15
Interaction of tropomyosin-troponin with actin filaments. Wegner A, et al. **Biochemistry** 1981 Sep 15;20(19):5633–42
Purification and characterization of tropomyosin from bovine thyroid. Kobayashi R, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):220–32
Binding under a molecular 'umbrella' as a cooperative statistical mechanical system: tropomyosin-actin-myosin as an example. Hill TL. **Biophys Chem** 1981 Sep;14(1):31–44
Interaction of muscle glycolytic enzymes with thin filament proteins. Bronstein WW, et al. **Can J Biochem** 1981 Jul; 59(7):494–9
Comparison of the equilibrium binding of heavy meromyosin and myosin to F-actin in the presence and absence of the troponin-tropomyosin complex. Greene LE. **FEBS Lett** 1982 Mar 22;139(2):233–6
Identification of a second binding region on rabbit skeletal troponin-T for alpha-tropomyosin. Pearlstone JR, et al. **FEBS Lett** 1981 Jun 1;128(1):119–22
Suppression of superprecipitation of contractile proteins from chicken gizzard muscle by preincubation in the presence of adenosine triphosphate without Ca2+. Horio S, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):309–15
Photochemical cross-linking between rabbit skeletal troponin and alpha-tropomyosin. Attachment of the photoaffinity probe N-(4-azidobenzoyl-[2-3H]glycyl)-S-(2-thiopyridyl)-cyst to cysteine 190 of alpha-tropomyosin. Chong PC, et al. **J Biol Chem** 1982 Aug 10;257(15):9152–60
Dual effects of tropomyosin and troponin-tropomyosin on actomyosin subfragment 1 ATPase. Lehrer SS, et al.
J Biol Chem 1982 Jul 25;257(14):8073–80
Changes in tropomyosin during development of chick embryonic skeletal muscles in vivo and during differentiation of chick muscle cells in vitro. Montarras D, et al. **J Biol Chem** 1982 Jan 10;257(1):545–8
Binding of troponin-T fragments to several types of tropomyosin. Sensitivity to Ca2+ in the presence of troponin-C. Pearlstone JR, et al. **J Biol Chem** 1982 Sep 25;257(18):10587–92
Immunoelectron microscope studies of membrane-microfilament interactions: distributions of alpha-actinin, tropomyosin, and vinculin in intestinal epithelial brush border and chicken gizzard smooth muscle cells. Geiger B, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):614–28
Studies on co-operative properties of tropomyosin-actin and tropomyosin-troponin-actin complexes by the use of N-ethylmaleimide-treated and untreated species of myosin subfragment 1. Nagashima H, et al. **J Mol Biol** 1982 Mar 15;155(4):409–28
Prediction of a triple-stranded coiled-coil region in tropomyosin-troponin T complex. Nagano K, et al.
J Theor Biol 1982 Feb 21;94(4):743–82
Tropomyosin is decreased in transformed cells. Hendricks M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5633–7

PHARMACODYNAMICS

Effect of muscle and non-muscle tropomyosins in reconstituted skeletal muscle actomyosin. Sobieszek A, et al. **Eur J Biochem** 1981 Sep 1;118(3):533–9
Damage to actin filaments by glutaraldehyde: protection by tropomyosin. Lehrer SS. **J Cell Biol** 1981 Aug;90(2):459–66

PHYSIOLOGY

Inhibition of actomyosin ATPase activity by troponin-tropomyosin without blocking the binding of myosin to actin. Chalovich JM, et al. **J Biol Chem** 1982 Mar 10;257(5):2432–7
Steady-state kinetic studies on the actin activation of skeletal muscle heavy meromyosin subfragments. Effects of skeletal, smooth and non-muscle tropomyosins. Sobieszek A. **J Mol Biol** 1982 May 15;157(2):275–86

TROPONIN see under **MUSCLE PROTEINS**

TROUT see under **SALMONIDAE**

TRUNCUS ARTERIOSUS

GROWTH & DEVELOPMENT

The formation, septation and fate of the truncus arteriosus in man. Orts-Llorca F, et al. **J Anat** 1982 Jan;134(Pt 1):41–56

TRUNCUS ARTERIOSUS, PERSISTENT

COMPLICATIONS

[Truncus with volume reduction and parietal hypertrophy of both ventricular chambers] Villagrá F, et al.
Rev Esp Cardiol 1981;34(2):159–62 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Two-dimensional echocardiography in infants with persistent truncus arteriosus. Houston AB, et al. **Br Heart J** 1981 Nov;46(5):492–7
Neonate with dysmorphic facies and heart defects. Conley ME, et al. **Hosp Pract** 1981 Sep;16(9):100, 104
Definitive diagnosis of truncus arteriosus by two-dimensional echocardiography. Rice MJ, et al. **Mayo Clin Proc** 1982 Aug;57(8):476–81
[Common truncus arteriosus: uni- and bi-dimensional echocardiography] Di Gregorio D, et al.
Boll Soc Ital Cardiol 1980;25(5):445–9 **(Ita)**

FAMILIAL & GENETIC

[Distal trisomy 14q associated with agenesis of the corpus callosus and truncus arteriosus due to the maternal translocation t(5;14)(q13;q23q32) (author's transl)] Georgmaneanu M, et al. **Ann Genet (Paris)** 1981;24(3):176–8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiological patterns of truncus arteriosus in plain roentgenography. Hoeffel JC, et al. **ROFO** 1981 Dec; 135(6):686–91
[Radiological patterns of truncus arteriosus on X-ray plain film (author's transl)] Hoeffel JC, et al. **J Radiol** 1981 May; 62(5):291–8 (Eng. Abstr.) **(Fre)**

SURGERY

Surgical experience with persistent truncus arteriosus in symptomatic infants under 1 year of age. Report of 13 consecutive cases. Musumeci F, et al. **Br Heart J** 1981 Aug;46(2):179–85
Biologic reconstruction of the right ventricular outflow tract. Preliminary experimental analysis and clinical application in a neonate with type I truncus arteriosus. Bailey LL, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):779–84
Correction of truncus arteriosus in the neonate using a nonvalved conduit. Peetz DJ Jr, et al.
J Thorac Cardiovasc Surg 1982 May;83(5):743–6
Acute postoperative obstruction of extracardiac conduit due to separation of thin fibrous peel. Agarwal KC, et al.
Mayo Clin Proc 1982 Mar;57(3):189–91
Surgical correction of truncus arteriosus type I. Stegmann T, et al. **Thorac Cardiovasc Surg** 1982 Jun;30(3):163–6
[Radical repairs for truncus arteriosus communis (author's transl)] Nishiwaki N, et al. **Kyobu Geka** 1982;35(4):272–7 (Eng. Abstr.) **(Jpn)**
[Successful repair of type I truncus arteriosus in the first year of life (author's transl)] Shindo G, et al. **Kyobu Geka** 1982; 35(4):267–71 (Eng. Abstr.) **(Jpn)**
[A case report of total correction of truncus arteriosus (Type II) by modified Rastelli procedure in a 1 year and 9 month old child (author's transl)] Kido T, et al.
Nippon Kyobu Geka Gakkai Zasshi 1982 Feb;30(2):277–83 (Eng. Abstr.) **(Jpn)**
[Surgical treatment of persistent truncus arteriosus in infancy (author's transl)] Yokota M, et al.
Nippon Kyobu Geka Gakkai Zasshi 1982 Mar;30(3):453–60

(Eng. Abstr.) (Jpn)

VETERINARY

Persistent truncus arteriosus in a lamb. Milstein JM, et al. **Am J Vet Res** 1982 May;43(5):902–3

TRUSSES

VETERINARY

[Use of truss in canine perineal hernia (author's transl)] Vendrig AA. **Tijdschr Diergeneeskd** 1982 May 1; 107(9):325–8 (Dut)

TRUSTEES see under **GOVERNING BOARD**

TRUTH DISCLOSURE

Informed consent: how much disclosure is enough? Manson JN. **AANA J** 1981 Dec;49(6):592–3

The effects of the Freedom of Information Act on research [editorial] Stallones RA. **Am J Public Health** 1982 Apr; 72(4):335–7

The reliability of smoking history amongst survivors of myocardial infarction. Ronan G, et al. **Br J Addict** 1981 Dec;76(4):425–8

'Dr. O'Leary, how is the president?' [interview by Milton Korcok] O'Leary D. **Can Med Assoc J** 1981 Sep 15; 125(6):643, 647–9, 653

Meeting the information needs of the critically ill. Ritchie JA. **Dimens Health Serv** 1981 Aug;58(8):15–7

The 'student doctor' and a wary patient. Commentary. Cassell EJ. **Hastings Cent Rep** 1982 Feb;12(1):28

The validity of self-reported heroin use. Bale RN, et al. **Int J Addict** 1981 Dec;16(8):1387–98

To tell or not to tell: haemophiliacs' views on their employment prospects. Forbes CD, et al. **Int J Rehabil Res** 1982;5(1):13–8

Truth: treatment of choice, scarce resource, or patient's right? Gadow S. **J Fam Pract** 1981 Nov;13(6):857–60

Disclosure standards and informed consent. Faden RR, et al. **J Health Polit Policy Law** 1981 Summer;6(2):255–84

The worker's right-to-know: obstacles, ambiguities and loopholes. Richter ED. **J Health Polit Policy Law** 1981 Summer;6(2):339–46

Venial sin--a case for specific transmission of information? Higgs R. **J Med Ethics** 1981 Sep;7(3):155–7

Truth at the last--a case of obstructed death? Higgs R. **J Med Ethics** 1982 Mar;8(1):48–50

Truth telling in medicine [letter] Boverman M. **JAMA** 1982 Sep 17;248(11):1307

Truth telling in medicine [letter] Morris D. **JAMA** 1982 May 21;247(19):2659

Truth telling in medicine. Sheldon M. **JAMA** 1982 Feb 5; 247(5):651–4

What the doctor must tell the patient. Samuels A. **Med Sci Law** 1982 Jan;22(1):41–6

Physicians' diagnostic information to parents of handicapped neonates. McDonald AC, et al. **Ment Retard** 1982 Feb; 20(1):12–4

An ethical issue in pediatric cancer care: nondisclosure of a fatal prognosis. Leikin SL. **Pediatr Ann** 1981 Oct; 10(10):37–41, 44–5

Treating children without parental consent. Relman AS. **Prog Clin Biol Res** 1981;76:109–14

Narrative truth and theoretical truth. Spence DP. **Psychoanal Q** 1982;51(1):43–69

To tell or not to tell. Hoffman BF. **Schizophr Bull** 1981; 7(3):369–71

Physician attitudes toward communication with cancer patients. Greenwald HP, et al. **Soc Sci Med** 1982; 16(5):591–4

[Should a patient with hemoblastosis and his family be informed of the diagnosis of this disease?] Donner L. **Vnitr Lek** 1982 Mar;28(3):283–9 (Eng. Abstr.) (Cze)

[Open information. A limiting factor in clinical research] Blichert-Toft M, et al. **Ugeskr Laeger** 1981 May 4; 143(19):1199–1202 (Eng. Abstr.) (Dan)

[Truth disclosure: possibilities and risks] Keirse M. **Ned Tijdschr Geneeskd** 1981 Aug 15;125(33):1321–6 (Dut)

[Truth disclosure and documentation] **Hefte Unfallheilkd** 1981;153:277–309 (Ger)

[Repression and disclosure- the dynamics of dealing with terminal diseases] Theml H. **Med Klin [Prax]** 1982 May 7;77(10):18–22 (Ger)

[What you should tell your cancer patient] Senn HJ. **MMW** 1982 Apr 16;124(15):362 (Ger)

[Leukemia: a challenge to hope (author's transl)] Ruiz-Jiménez Cortes J. **Sangre (Barc)** 1981; 26(5–C):1059–64 (Eng. Abstr.) (Spa)

TRYPAN BLUE

The characterization of trypan blue-induced tumors in Wistar rats. Ford RJ, et al. **Am J Pathol** 1982 Mar;106(3):326–31

DIAGNOSTIC USE

Dual staining of corneal endothelium with trypan blue and alizarin red S: importance of pH for the dye–lake reaction. Taylor MJ, et al. **Br J Ophthalmol** 1981 Dec;65(12):815–9

[Dye exclusion test and LDH release assay (author's transl)] Timm M, et al. **Allerg Immunol (Leipz)** 1982;28(1):64–9 (Eng. Abstr.) (Ger)

METABOLISM

Microspectrographic analysis of trypan blue-induced fluorescence in oocytes of the Japanese quail. Harrisson F, et al. **Histochemistry** 1981;72(4):563–78

Trypan blue dye uptake and lactate dehydrogenase in adult rat hepatocytes--freshly isolated cells, cell suspensions, and primary monolayer cultures. Jauregui HO, et al. **In Vitro** 1981 Dec;17(12):1100–10

PHARMACODYNAMICS

Effects of trypan blue on thyroid secretion. Inhibition of purified cathepsin D from bovine thyroid. Battle CL, et al. **Biochim Biophys Acta** 1981 Jul 24;660(1):8–15

Alterations in spleen growth and sequestering function in animals receiving trypan blue. Dumont AE, et al. **Br J Exp Pathol** 1981 Aug;62(4):333–8

Macrophage mediated cytotoxicity in man: role of hydrocortisone, trypan blue, chloroquine and prednisolone. Cameron DJ, et al. **Int J Immunopharmacol** 1981;3(1):77–85

Accumulation of DNA, RNA, and protein by cultured rat embryos following maternal administration of a teratogenic dose of trypan blue. Fisher DL. **J Exp Zool** 1981 Jun; 216(3):415–22

Stimulation of S-9 fraction metabolism in rat liver and breast by vital dyes. Silva MH, et al. **Toxicol Lett** 1982 Feb; 10(2–3):205–8

Effects of trypan blue and related compounds on production and activity of streptolysin S. Taketo Y, et al. **Z Naturforsch [C]** 1982 May–Jun;37(5–6):385–9

[Effects of the partial blocking of the macrophage system] Fleischer J, et al. **Folia Haematol (Leipz)** 1981; 108(2):289–93 (Ger)

TOXICITY

Mutagenicity of azo dyes in the Salmonella/activation test. Robertson JA, et al. **Carcinogenesis** 1982;3(1):21–5

Induced cell injury and cell death as a cause of congenital malformations in rats. Beck F. **Histochem J** 1981 Jul; 13(4):667–79

TRYPANOCIDAL AGENTS

[ccDNA–DAPI complexes: fluorimetric determination of various chemico-physical parameters] Dall'Asta R, et al. **Acta Biomed Ateneo Parmense** 1981;52(2–3):159–64 (Ita)

ADMINISTRATION & DOSAGE

Drug synergy in experimental African trypanosomiasis. Williamson J, et al. **Tropenmed Parasitol** 1982 Jun; 33(2):76–82

ADVERSE EFFECTS

[Teratogenicity by trypan red (author's transl)] Wendler D. **Anat Anz** 1982;151(2):197–8 (Ger)

ANALYSIS

Trypanosoma lewisi: antibody classes which mediate precipitation, agglutination, and the inhibition of reproduction. Hsu SR, et al. **Exp Parasitol** 1982 Feb; 53(1):45–56

BLOOD

Distribution of daunorubicin, a potent in vitro trypanocide which lacks in vivo activity, in the blood of trypanosome-infected mice. Brown JE, et al. **J Pharm Pharmacol** 1982 Apr;34(4):236–9

CHEMICAL SYNTHESIS

Potential antitrypanosomal agents. 1,N2-Disubstituted 2-amino-5-hydroxy-4-methylnaphtho[1,2-d]thiazolium salts and related compounds. Ulrich P, et al. **J Med Chem** 1982 Jun;25(6):654–7

5'Chloropuromycin. Inhibition of protein synthesis and antitrypanosomal activity. Vince R, et al. **J Med Chem** 1981 Dec;24(12):1511–4

1,4-Bis(4-guanylphenylethyl)benzenes as potential antitrypanosomal agents. Das BP, et al. **J Pharm Sci** 1982 Apr;71(4):465–6

1-Aryl-3,3-dialkyltriazenes with antitrypanosomal activity. Dunn WJ 3d, et al. **J Pharm Sci** 1982 Jan;71(1):126–7

METABOLISM

Observations on salicyl hydroxamic acid, an experimental trypanocide. Barnicoat AJ, et al. **Experientia** 1981 Dec 15; 37(12):1290–1

PHARMACODYNAMICS

Structure and activity of antimonials (Sb III): antagonism of the antiparasitic action by their organic radicals in vivo and in vitro. Minelli EB, et al. **Acta Cient Venez** 1980; 31(5):430–7

Adenylosuccinate synthetase and adenylosuccinate lyase from Trypanosoma cruzi, Specificity studies with potential chemotherapeutic agents. Spector T, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):225–9

Rapid in vitro prescreen for chelators as potential trypanocides based on growth of Crithidia fasciculata. Shapiro A, et al. **J Protozool** 1981 Aug;28(3):370–7

Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from Trypanosoma brucei brucei, mouse thymus and murine leukemia virus. Marcus SL, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):231–43

Ablastin and the control of Trypanosoma musculi infections in mice. Trudel L, et al. **Parasite Immunol** 1982 May; 4(3):149–56

THERAPEUTIC USE

Chemotherapy of Trypanosoma venezuelense (T. evansi) II. Activity of metal-free organic trypanocides in mice and in vitro. Minelli EB, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):383–92

Trypanosoma rhodesiense: evaluation of the antitrypanosomal action of 2,5-bis(4-guanylphenyl)furan dihydrochloride. Steck EA, et al. **Exp Parasitol** 1982 Feb; 53(1):133–44

The efficacy of a novel compound, (e)-1-(4'-bromo-4-biphenylyl)-1-(4-chlorophenyl)-3-dim against Trypanosoma cruzi in mice. Barrett PA, et al. **Experientia** 1982 Mar 15;38(3):338–9

Comparison of drug sensitivities of three strains of Trypanosoma cruzi in inbred A/Jax mice. Cover B, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):274–81

The use of Erlangen diamidine 98/202 in relapsing Trypanosoma brucei infections in mice. Jennings FW, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):204–7

Effect of specific chemotherapy on the levels of lytic antibodies in Chagas's disease. Krettli AU, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):334–40

[Pharmacotherapy in sleeping sickness (author's transl)] Bozděch V, et al. **Cas Lek Cesk** 1982 Feb 5;121(5):152–4 (Eng. Abstr.) (Cze)

[Note on a trypanocidal treatment trial in the control of primary infection in Baoule calves] Camus E. **Rev Elev Med Vet Pays Trop** 1980;33(3):289–93 (Eng. Abstr.) (Fre)

[Treatment of Chagas disease] Abitbol H. **An R Acad Nac Med (Madr)** 1981;98(4):755–8 (Spa)

TRYPANOSOMA

ANALYSIS

Decatenation of the kinetoplast DNA network of trypanosomes by a bacterial DNA-gyrase. Kayser A, et al. **Biochimie** 1982 Apr;64(4):285–8

Trypanosoma congolense: surface glycoproteins of two early bloodstream variants. II. Purification and partial chemical characterization. Onodera M, et al. **Exp Parasitol** 1981 Dec; 52(3):427–39

Electrophoretic analysis of endonuclease-generated fragments of k-DNA, of esterase isoenzymes, and of surface proteins as aids for species identification of insect trypanosomatids. Camargo EP, et al. **J Protozool** 1982 May; 29(2):251–8

Kinetoplast DNA in Trypanosoma equinum. Cuthbertson RS. **J Protozool** 1981 May;28(2):182–8

Sialic acids are responsible for charge heterogeneity of the variant surface glycoprotein of Trypanosoma congolense. Rautenberg P, et al. **Mol Biochem Parasitol** 1981 Dec; 4(3–4):129–38

The 5S ribosomal RNA of Euglena gracilis cytoplasmic ribosomes is closely homologous to the 5S RNA of the trypanosomatid protozoa. Delihas N, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6627–33

[Antigenic variation in salivarian Trypanosomes--chemical characteristics of variant specific glycoproteins (author's transl)] Onodera M, et al. **Tanpakushitsu Kakusan Koso** 1981 Jul;26(8):994–1013 (58 ref.) (Jpn)

CLASSIFICATION

Electrophoretic analysis of endonuclease-generated fragments of k-DNA, of esterase isoenzymes, and of surface proteins as aids for species identification of insect trypanosomatids. Camargo EP, et al. **J Protozool** 1982 May; 29(2):251–8

DRUG EFFECTS

Structure and activity of antimonials (Sb III): antagonism of the antiparasitic action by their organic radicals in vivo and in vitro. Minelli EB, et al. **Acta Cient Venez** 1980; 31(5):430–7

ENZYMOLOGY

Localization of phosphatases in Trypanosoma rhodesiense. Williamson J, et al. **J Protozool** 1981 Nov;28(4):460–7

GENETICS

The kinetoplast of DNA of Trypanosoma gambiense: comparison with the kDNA of Trypanosoma equiperdum. Riou G, et al. **Biochimie** 1981 Oct;63(10):755–65

Trypanosoma congolense: surface glycoproteins of two early bloodstream variants. I. Production of a relapsing infection in rodents. Rosen NL, et al. **Exp Parasitol** 1981 Oct; 52(2):210–8

Rapid evolution of genes coding for variant surface

glycoproteins in trypanosomes. Frasch AC, et al. **Gene** 1982 Feb;17(2):197–211

Constant and variable regions in DNA mini-circles from Trypanosoma cruzi and Trypanosoma rangeli: application to species and stock differentiation. Frasch AC, et al. **Mol Biochem Parasitol** 1981 Dec;4(3–4):163–70

Conservation of a variant-specific surface antigen gene in different trypanosome species and sub-species. Pays E, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):349–57

Sequence heterogeneity in kinetoplast DNA: reassociation kinetics. Steinert M, et al. **Plasmid** 1980 Jan;3(1):7–17

GROWTH & DEVELOPMENT

In vitro cultivation of animal-infective forms of a West African Trypanosoma vivax stock. Brun R, et al. **Acta Trop (Basel)** 1982 Jun;39(2):135–41

Growth and development of two Trypanosoma cruzi clones in the arthropod Dipetalogaster maximus. Garcia ES, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):259–62

Probing by Glossina morsitans morsitans and transmission of Trypanosoma (Nannomonas) congolense. Roberts LW. **Am J Trop Med Hyg** 1981 Sep;30(5):948–51

The susceptibility of Glossina palpalis palpalis at different ages to infection with Trypanosoma congolense. Distelmans W, et al. **Ann Soc Belg Med Trop** 1982 Mar; 62(1):41–7

Differences in resistance to Trypanosoma musculi infection among strains of inbred mice. Albright JW, et al. **Infect Immun** 1981 Aug;33(2):364–71

Studies on the transmission of a West African stock of Trypanosoma vivax to rabbits, rats, mice and goats by Glossina morsitans morsitans and G. m. centralis. Moloo SK. **Int J Parasitol** 1981 Jun;11(3):191–6

In vitro cultivation of bloodstream forms of Trypanosoma brucei, T. rhodesiense, and T. gambiense. Brun R, et al. **J Protozool** 1981 Nov;28(4):470–9

Quantitative methods in the study of the pathogenesis of haemoprotozoal diseases. Losos GJ, et al. **Parasitology** 1982 Jun;84(Pt 3):537–65

Cyclical transmission of pathogenic Trypanosoma species by gamma-irradiated sterile male Glossina morsitans morsitans. Moloo SK. **Parasitology** 1982 Apr;84(Pt 2):289–96

'In vitro' development of Trypanosoma butantanense Arantes and Fonseca, 1931. De Biasi P, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar–Apr;23(2):41–7

[Occurrence of blood flagellates belonging to genus Trypanosoma Gruby, 1841, in the blood of carp—Cyprinus carpio L. and that of tench—tinca L.] Jastrzębski M. **Wiad Parazytol** 1981;27(6):753–61 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Antigenic differentiation of Trypanosoma cruzi and Trypanosoma rangeli by means of monoclonal-hybridoma antibodies. Anthony RL, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1192–7

The susceptibility of Glossina palpalis palpalis at different ages to infection with Trypanosoma congolense. Distelmans W, et al. **Ann Soc Belg Med Trop** 1982 Mar; 62(1):41–7

Serological cross-reactions among trypanosome variable antigen isotypes of the subgenus Trypanozoon. Magnus E, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):25–39

Serological cross-reactions among trypanosome variable antigen isotypes of the subgenus Trypanozoon. Magnus E, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):25–39

A new method for determination of anti-double strand DNA antibodies: Trypanosoma equiperdum immunofluorescent method. Xu SZ, et al. **Chin Med J [Engl]** 1981 Sep; 94(9):549–54

Trypanosoma theileri: antibody-dependent killing by purified populations of bovine leucocytes. Townsend J, et al. **Clin Exp Immunol** 1982 May;48(2):289–99

Trypanosoma congolense: surface glycoproteins of two early bloodstream variants. III. Immunochemical characterization. Bogucki MS, et al. **Exp Parasitol** 1982 Feb;53(1):1–10

Isotypic surface glycoproteins of trypanosomes. Vervoort T, et al. **Immunology** 1981 Oct;44(2):223–32

Kinetics of immunoglobulin M and G responses of nude and normal mice to Trypanosoma musculi. Brooks BO, et al. **Infect Immun** 1982 May;36(2):667–71

Detection and composition of immune complexes in experimental African trypanosomiasis. Lindsley HB, et al. **Infect Immun** 1981 Aug;33(2):407–14

Parasite- (antigen) specific stimulation of B and T cells in African trypanosomiasis. Campbell GH, et al. **J Immunol** 1982 Sep;129(3):1272–4

Trypanosoma rhodesiense blood forms express all antigen specificities relevant to protection against metacyclic (insect form) challenge. Esser KM, et al. **J Immunol** 1982 Oct;129(4):1715–8

Trypanosoma rhodesiense: chemical and immunological characterization of variant-specific surface coat glycoproteins. Olenick JG, et al. **Mol Biochem Parasitol** 1981 Aug;3(4):227–38

Antigenic variation in the trypanosome [news] Turner M. **Nature** 1982 Aug 12;298(5875):606–7

Inhibition of phagocytosis of Trypanosome dionisii by pregnancy alpha-2 glycoprotein. Persellin RH, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):436–8

Trypanosoma evansi infections and antibodies in goats, sheep and camels in the Sudan. Boid R, et al. **Trop Anim Health Prod** 1981 Aug;13(3):141–6

Experimental bovine trypanosomiasis (Trypanosoma vivax and T. congolense). III. Serum levels of immunoglobulins, heterophile antibodies, and antibodies to T. vivax. Tabel H, et al. **Tropenmed Parasitol** 1981 Sep;32(3):149–53

[Nonselective mechanism of antibody-induced stable antigenic variability of microorganisms. III. Suggested mechanism of variability of certain microorganisms] Kuznetsov EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):78–82 **(Rus)**

ISOLATION & PURIFICATION

Blood parasites of birds in Central Europe. 4. Trypanosoma, 'Atoxoplasma', Microfilariae and other rare haematozoa. Kučera J. **Folia Parasitol (Praha)** 1982;29(2):107–13

A silicone centrifugation technique for the detection of low parasitaemias of salivarian trypanosomes. Ogbunude PO, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):317–8

[Trypanosomas of the subgenus Herpetosoma Doflein 1901 in wild rodents, with a description of 3 new species] Barretto MP, et al. **Rev Bras Biol** 1981 Aug;41(3):485–97 (Eng. Abstr.) **(Por)**

METABOLISM

Differential metabolism of allopurinol and derivatives in Trypanosoma rangeli and T. cruzi culture forms. Avila JL, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):265–72

PATHOGENICITY

Studies on transmission of two East African stocks of Trypanosoma vivax to cattle, goats, rabbits, rats and mice. Moloo SK. **Acta Trop (Basel)** 1982 Mar;39(1):51–9

PHYSIOLOGY

Inheritance of susceptibility to Trypanosoma congolense infection in Glossina morsitans. Maudlin I. **Ann Trop Med Parasitol** 1982 Apr;76(2):225–7

The molecular biology of trypanosomes. Englund PT, et al. **Annu Rev Biochem** 1982;51:695–726 (167 ref.)

Sarcocystis, Trypanosoma, Toxoplasma, Brugia, Ancylostoma, and Trichinella spp.: a review of the intracellular parasites of striated muscle. Stewart GL, et al. **Exp Parasitol** 1982 Jun;53(3):406–47 (250 ref.)

RADIATION EFFECTS

Immunization of mice with Trypanosoma rhodesiense exposed to ultraviolet irradiation. Charoenvit Y, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1198–2000

ULTRASTRUCTURE

Electron microscope study of the epimastigotes of a fish trypanosome, Trypanosoma cobitis, in culture. Lewis JW, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):533–8

Studies by electron microscopy of the giant forms of some African and South American trypanosomes found other than within their mammalian host. Ellis DS, et al. **Folia Parasitol (Praha)** 1982;29(1):5–11

Absence of a surface coat from metacyclic Trypanosoma vivax: possible implications for vaccination against vivax trypanosomiasis. Tetley L, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):409–14

A brief note on an arrangement of sub-pellicular tubules in trypanosomes. Ellis DS, et al. **Z Parasitenkd** 1981; 65(3):361–3

[Studies of parasitic flagellata (Trypanosomatidae and Trichomonadidae) by scanning electron microscopy] Wartoń A. **Wiad Parazytol** 1980;26(6):629–34 (18 ref.) (Eng. Abstr.) **(Pol)**

TRYPANOSOMA BRUCEI

Effects of some African game animal sera on Trypanosoma brucei rhodesiense and T.b. brucei clones. Rickman L, et al. **Tropenmed Parasitol** 1982 Jun;33(2):129–35

ANALYSIS

Identification and partial characterization of plasma membrane polypeptides of Trypanosoma brucei. Mancini PE, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):399–410

Incubation of trypanosome-derived mitogenic and immunosuppressive products with peritoneal macrophages allows recovery of biological activities from soluble parasite fractions. Sacks DL, et al. **Infect Immun** 1982 Apr; 36(1):160–8

Trypanosoma brucei: effect of inhibition of N-linked glycosylation of the nearest neighbor analysis of the major variable surface coat glycoprotein. Strickler JE, et al. **Mol Biochem Parasitol** 1982 Feb;5(2):117–31

CLASSIFICATION

The use of culture-derived metacyclic trypanosomes in studies on the serological relationships of stocks of Trypanosoma brucei gambiense. Jones TW, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):560–5

CYTOLOGY

Relapse of monomorphic and pleomorphic Trypanosoma brucei infections in the mouse after chemotherapy. Gray GD, et al. **Z Parasitenkd** 1982;67(2):137–45

DRUG EFFECTS

In vivo and in vitro activity by diverse chelators against Trypanosoma brucei brucei. Shapiro A, et al. **J Protozool** 1982 Feb;29(1):85–90

Trypanosoma brucei brucei: a systematic screening for alternatives to the salicylhydroxamic acid-glycerol combination. Clarkson AB Jr, et al. **Mol Biochem Parasitol** 1981 Sep;3(5):271–91

Role of calcium in trypanocidal drug action. Clarkson AB Jr, et al. **Science** 1982 Jun 18;216(4552):1321–3

ENZYMOLOGY

Regulation of glycolysis in Trypanosoma brucei: hexokinase and phosphofructokinase activity. Nwagwu M, et al. **Acta Trop (Basel)** 1982 Mar;39(1):61–72

Local anaesthetics including benzyl alcohol activate the adenylate cyclase in Trypanosoma brucei by a calcium-dependent mechanism. Voorheis HP, et al. **Eur J Biochem** 1982 Apr 1;123(2):371–6

A novel location for two enzymes of de novo pyrimidine biosynthesis in trypanosomes and Leishmania. Hammond DJ, et al. **FEBS Lett** 1981 Jun 1;128(1):27–9

Some kinetic properties of pyruvate kinase from Trypanosoma brucei: influence of pH and fructose-1,6-diphosphate. Flynn IW, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):95–106

Studies on the catalytic properties of the calcium-dependent endoribonuclease of Trypanosoma brucei cytoplasm. Gbenle GO, et al. **Mol Biochem Parasitol** 1982 Apr; 5(4):213–20

Effects of exogenous polyamine and trypanocides on the DNA polymerase activities from Trypanosoma brucei brucei, mouse thymus and murine leukemia virus. Marcus SL, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):231–43

Localization of hydrolases in cultured procyclic trypomastigotes of Trypanosoma brucei. Opperdoes FR, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):311–23

Localization of malate dehydrogenase, adenylate kinase and glycolytic enzymes in glycosomes and the threonine pathway in the mitochondrion of cultured procyclic trypomastigotes of Trypanosoma brucei. Opperdoes FR, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):291–309

The phospholipases of Trypanosoma brucei bloodstream forms and cultured procyclics. Opperdoes FR, et al. **Mol Biochem Parasitol** 1982 May;5(5):309–19

Identification and characterisation of two N-acetylglucosaminyltransferases associated with Trypanosoma Brucei microsomes. Rovis L, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):173–87

Lysophospholipase 1 in Trypanosoma brucei. Sage L, et al. **Tropenmed Parasitol** 1981 Dec;32(4):215–20

GENETICS

Cloning and characterization of a genomic DNA fragment carrying the basic copy of the gene coding for variant surface antigen 118 of Trypanosoma brucei. Davison J, et al. **Gene** 1982 Jan;17(1):101–6

Rapid evolution of genes coding for variant surface glycoproteins in trypanosomes. Frasch AC, et al. **Gene** 1982 Feb;17(2):197–211

On the DNA content and ploidy of trypanosomes. Borst P, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):13–23

Absence of detectable alteration in the kinetoplast DNA of a Trypanosoma brucei clone following loss of ability to infect the insect vector (Glossina morsitans). Hajduk SL, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):17–28

The maxicircle of Trypanosoma brucei kinetoplast DNA hybridizes with a mitochondrial gene encoding cytochrome oxidase subunit II. Johnson BJ, et al. **Mol Biochem Parasitol** 1982 Jun;5(6):381–90

Two distinct forms of surface antigen gene rearrangement in Trypanosoma brucei. Majiwa PA, et al. **Nature** 1982 Jun 10;297(5866):514–6

Two variant surface glycoproteins of Trypanosoma brucei have a conserved C-terminus. Matthyssens G, et al. **Nature** 1981 Sep 17–23;293(5829):230–3

Variant surface glycoproteins of Trypanosoma brucei are synthesised with cleavable hydrophobic sequences at the carboxy and amino termini. Boothroyd JC, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4735–43

Characterization of the expression-linked gene copies of variant surface glycoprotein 118 in two independently isolated clones of Trypanosoma brucei. Michels PA, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2353–66

Analysis of the DNA and RNA changes associated with the expression of isotypic variant-specific antigens of trypanosomes. Pays E, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4225–38

Structure and expression of a Trypanosoma brucei gambiense variant specific antigen gene. Pays E, et al. **Nucleic Acids Res** 1982 May 25;10(10):3149–63

Sequence heterogeneity in kinetoplast DNA: reassociation kinetics. Steinert M, et al. **Plasmid** 1980 Jan;3(1):7–17

GROWTH & DEVELOPMENT

Stimulating effect of citrate and cis-Aconitate on the transformation of Trypanosoma brucei bloodstream forms to procyclic forms in vitro. Brun R, et al. **Z Parasitenkd** 1981;66(1):17-24

[Methods for a more accurate control of the development of experimental trypanosomiasis caused by trypanosoma brucei gambiense in mice] Mulumba PM, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):31-55 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Variant specific antigens of Trypanosoma brucei exist in solution as glycoprotein dimers. Auffret CA, et al. **Biochem J** 1981 Feb 1;193(2):647-50

Murine T lymphocyte specificity for African trypanosomes. II. Suppression of the T lymphocyte proliferative response to Trypanosoma brucei by systemic trypanosome infection. Gasbarre LC, et al. **Clin Exp Immunol** 1981 Jul;45(1):16-72

Activation of human peripheral blood lymphocytes by a trypanosome-derived mitogen. Selkirk ME, et al. **Clin Exp Immunol** 1981 Sep;45(3):615-20

Immunological clearance of 75Se-labelled Trypanosoma brucei in mice. III. Studies in animals with acute infections. Macaskill JA, et al. **Immunology** 1981 Aug;43(4):691-8

Surface coat variant antigen of Trypanosoma brucei brucei: its clearance from blood and concentration in organs of normal, infected, and immune mice. Diffley P, et al. **Infect Immun** 1982 Jan;35(1):173-8

African trypanosome antigens recognized during the course of infection in N'dama and Zebu cattle. Shapiro SZ, et al. **Infect Immun** 1982 Feb;35(2):410-6

Immunization of cattle with a variant-specific surface antigen of Trypanosoma brucei: influence of different adjuvants. Wells PW, et al. **Infect Immun** 1982 Apr;36(1):1-10

Point mutations during generation of expression-linked extra copy of trypanosome surface glycoprotein gene. Rice-Ficht AC, et al. **Nature** 1982 Aug 12;298(5875):676-9

Homologous 3'-terminal regions of mRNAs for surface antigens of different antigenic variants of Trypanosoma brucei. Majumder HK, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4745-53

RNA splicing is required to make the messenger RNA for a variant surface antigen in trypanosomes. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3591-604

analysis of genomic rearrangements associated with two variable antigen genes of Trypanosoma brucei. Young JR, et al. **Nucleic Acids Res** 1982 Feb 11;10(3):803-19

ISOLATION & PURIFICATION

The use of aerolysin toxin as an aid for visualization of low numbers of African trypanosomes in whole blood. Pearson TW, et al. **Acta Trop (Basel)** 1982 Mar;39(1):73-7

The isolation of T. brucei-like organisms from man. Rickman L, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):223-4

Trypanosoma brucei: a quick method for separating blood-stream trypomastigotes from infected blood by differential osmotic lysis. Njogu RM, et al. **Comp Biochem Physiol [A]** 1982;71(2):265-9

[Evaluation of field diagnosis of trypanosomiasis caused by Trypanosoma brucei gambiense] Henry MC, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):79-92 (Eng. Abstr.) **(Fre)**

METABOLISM

Purine metabolism in Trypanosoma brucei gambiense. Fish WR, et al. **Biochim Biophys Acta** 1982 Feb 25;714(3):422-8

Carbon-13 nuclear-magnetic-resonance studies of glucose catabolism by Trypanosoma brucei gambiense. Mackenzie NE, et al. **Eur J Biochem** 1982 Jan;121(3):657-61

Subcellular compartmentation of glycolytic intermediates in Trypanosoma brucei. Visser N, et al. **Eur J Biochem** 1981 Sep 1;118(3):521-6

Trypanosoma brucei: nearest neighbor analysis on the major variable surface coat glycoprotein--crosslinking patterns with intact cells. Strickler JE, et al. **Exp Parasitol** 1982 Feb;53(1):117-32

Release of the surface coat from the plasma membrane of intact bloodstream forms of Trypanosoma brucei requires Ca2+. Bowles DJ, et al. **FEBS Lett** 1982 Mar 8; 139(1):17-21

Carnitine stimulates ATP synthesis in Trypanosoma brucei brucei. Gilbert R, et al. **FEBS Lett** 1982 May 17; 141(2):271-4

Characteristics of the release of the surface coat protein from bloodstream forms of Trypanosoma brucei. Voorheis HP, et al. **J Biol Chem** 1982 Mar 10;257(5):2300-4

Presence of a peculiar pathway of glucose metabolism in infective forms of Trypanosoma brucei cultured from salivary glands of tsetse flies. Njogu RM, et al. **J Parasitol** 1981 Dec;67(6):847-51

Biosynthesis of Trypanosoma brucei variant surface glycoprotein. I. Synthesis, size, and processing of an N-terminal signal peptide. McConnell J, et al. **Mol Biochem Parasitol** 1981 Dec;4(3-4):225-42

Studies on the biosynthesis of the variant surface glycoproteins of Trypanosoma brucei: sequence of glycosylation. Rovis L, et al. **Mol Biochem Parasitol** 1981 Nov;4(1-2):77-93

Characterization of the DNA duplication-transposition that controls the expression of two genes for variant surface glycoproteins in Trypanosoma brucei. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):593-609

[Metabolic adaptation between the host and the parasite] Boczoń K. **Wiad Parazytol** 1980;26(4-5):337-47 **(Pol)**

PARASITOLOGY

Mixed populations of trypanosoma brucei in a naturally infected pig. Scott CM. **Tropenmed Parasitol** 1981 Dec; 32(4):221-2

PATHOGENICITY

The susceptibility of chickens to Trypanosoma brucei subspecies. Minter-Goedbloed E. **Trans R Soc Trop Med Hyg** 1981;75(3):345-9

PHYSIOLOGY

Early course of infection in susceptible and resistant strains of mice, using [3H]uridine-labeled Trypanosoma brucei subsp. brucei. Anderson LW, et al. **Infect Immun** 1982 May; 36(2):525-30

ULTRASTRUCTURE

Light and electron microscope studies on extravascular Trypanosoma brucei gambiense in the brain of chronically infected rodents. Van Marck EA, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):57-78

Studies by electron microscopy of the giant forms of some African and South American trypanosomes found other than within their mammalian host. Ellis DS, et al. **Folia Parasitol (Praha)** 1982;29(1):5-11

TRYPANOSOMA CRUZI

A case study of xenodiagnosis. Torno CO, et al. **Rev Inst Med Trop Sao Paulo** 1981 Sep-Oct;23(5):229-32

ANALYSIS

Fatty acids of Trypanosoma cruzi. Timm SL, et al. **Comp Biochem Physiol [B]** 1982;71(3):397-402

Complexity and content of the DNA and RNA in Trypanosoma cruzi. Lanar DE, et al. **Mol Biochem Parasitol** 1981 Sep;3(5):327-41

Peanut agglutinin affinity chromatography of Trypanosoma cruzi glycoproteins. Marcipar AJ, et al. **Parasite Immunol** 1982 Mar;4(2):109-15

In situ microfluorometry of whole kinetoplast and nuclear DNA in a single cell of Trypanosoma gambiense and Trypanosoma cruzi. Inoki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):182-90

CLASSIFICATION

Chagas's disease in the Amazon Basin: Ii. The distribution of Trypanosoma cruzi zymodemes 1 and 3 in Pará State, north Brazil. Miles MA, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):667-74

The use of isoelectrofocusing in thin layer polyacrylamide and agarose gels as a method for the characterization of Venezuelan Trypanosoma cruzi stocks. Ebert F. **Tropenmed Parasitol** 1982 Mar;33(1):63-7

DRUG EFFECTS

The efficacy of a novel compound, (e)-1-(4'-bromo-4-biphenylyl)-1-(4-chlorophenyl)-3-dim against Trypanosoma cruzi in mice. Barrett PA, et al. **Experientia** 1982 Mar 15;38(3):338-9

The in vivo and in vitro action of 4-amino-5-imidazolecarboxamide in trypanosomatid flagellates. Kidder GW, et al. **Mol Biochem Parasitol** 1981 Sep;3(5):265-9

Taxol, a microtubule stabilizing agent, blocks the replication of Trypanosoma cruzi. Baum SG, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4571-5

The effect of adenosine analogues on the in vitro growth of Trypanosoma cruzi. Nadler JP, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):285-7

Effect of sodium cyanate on Trypanosoma cruzi in culture. Nadler JP, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):710-2

ENZYMOLOGY

Adenylosuccinate synthetase and adenylosuccinate lyase from Trypanosoma cruzi, Specificity studies with potential chemotherapeutic agents. Spector T, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):225-9

Trypanosoma cruzi: ultrastructural cytochemistry of mitochondrial enzymes. de Meirelles MN, et al. **Exp Parasitol** 1982 Jun;53(3):341-54

Trypanosoma cruzi: isolation and characterization of a proteinase. Rangel HA, et al. **Exp Parasitol** 1981 Oct; 52(2):199-209

Phenylglyoxal inactivation of the mitochondrial adenosine triphosphatase from Trypanosoma cruzi. Cataldi de Flombaum MA, et al. **Mol Biochem Parasitol** 1982 Jun; 5(6):371-9

Properties of alpha-hydroxyacid dehydrogenase isozymes from Trypanosoma cruzi. Coronel C, et al. **Mol Biochem Parasitol** 1981 Nov;4(1-2):29-38

A comparison of electrophoretic methods for isoenzyme characterization of trypanosomatids. I: Standard stocks of Trypanosoma cruzi zymodemes from northeast Brazil. Lanham SM, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):742-50

[Partial purification and characterization of nuclear DNA-topoisomerases from trypanosomes (author's transl)] Riou G, et al. **C R Seances Acad Sci [III]** 1982 Mar 15; 294(11):439-42 (Eng. Abstr.) **(Fre)**

GENETICS

Genome organization and ploidy number in Trypanosoma cruzi. Castro C, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5-6):273-82

Constant and variable regions in DNA mini-circles from Trypanosoma cruzi and Trypanosoma rangeli: application to species and stock differentiation. Frasch AC, et al. **Mol Biochem Parasitol** 1981 Dec;4(3-4):163-70

[Trypanosoma cruzi variants with reduced virulence obtained by mutagenic treatment in vitro] Boon T, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):69-71 **(Fre)**

GROWTH & DEVELOPMENT

Trypanosoma cruzi: the fate of bloodstream trypomastigote, amastigote, metacyclic trypomastigote and epimastigote forms in the peritoneal macrophages of immune and non-immune mice in vivo. Burger E, et al. **Acta Trop (Basel)** 1982 Jun;39(2):111-22

Trypanosoma cruzi: spontaneous transformation by a Y strain variant in liquid medium. Crane MS, et al. **Exp Parasitol** 1982 Aug;54(1):87-92

Trypanosoma cruzi: colony formation and clonal growth in agar. Wittner M, et al. **Exp Parasitol** 1982 Apr;53(2):255-61

Endogenous and surface labeling of glycoconjugates from the three differentiation stages of Trypanosoma cruzi. Zingales B, et al. **FEBS Lett** 1982 Jun 7;142(2):238-42

Influence of monosaccharides on the infection of vertebrate cells by Trypanosoma cruzi and Toxoplasma gondii. Crane MS, et al. **Mol Biochem Parasitol** 1982 May;5(5):333-41

Growth of Trypanosoma cruzi in vitro: development and application of a continuous-flow culture system. Williams GT, et al. **Parasitology** 1982 Jun;84(Pt 3):511-26

[Forms of Trypanosoma cruzi in feces of Triatomidae inoculated in the celomic cavity] Belda Neto FM, et al. **Rev Bras Biol** 1981 Aug;41(3):615-7 (Eng. Abstr.) **(Por)**

[Extra-intestinal cycle of Trypanosoma cruzi in species of the genus Panstrongylus, Rhodnius and Triatoma] Lacombe D. **Rev Bras Biol** 1981 Aug;41(3):521-8 **(Por)**

[Biological and ecological factors in the epidemiology of Chagas' disease in Chile (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 1980 Jul-Dec;35(3-4):42-54 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Phagocytosis of the three developmental forms of Trypanosoma cruzi: effect of specific sera. Villalta F, et al. **Acta Trop (Basel)** 1981 Dec;38(4):375-81

Antigenic differentiation of Trypanosoma cruzi and Trypanosoma rangeli by means of monoclonal-hybridoma antibodies. Anthony RL, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1192-7

Antibody levels to Trypanosoma cruzi in infected patients with and without evidence of chronic Chagas' disease. Gusmão RD, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):452-8

Experimental production of EVI antibodies. Lenzi HL, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):48-52

Cross-reactivity between Trypanosoma cruzi and insect trypanosomatids as a basis for the diagnosos of Chagas' disease. Lopes JD, et al. **Am J Trop Med Hyg** 1981 Nov; 30(6):1183-8

Surface interactions between macrophages and Trypanosoma cruzi. Reed SG, et al. **Am J Trop Med Hyg** 1982 Jul; 31(4):723-9

Occurrence of antibody to Trypanosoma cruzi in dogs in the southeastern United States. Tomlinson MJ, et al. **Am J Vet Res** 1981 Aug;42(8):1444-6

Specific antigens of Trypanosoma cruzi amastigotes and trypomastigotes. Santiago AR, et al. **Ann Soc Belg Med Trop** 1981 Sep;61(3):369-78

Monoclonal antibodies to stages of Trypanosoma cruzi: characterization and use for antigen detection. Araujo FG, et al. **Infect Immun** 1982 Jul;37(1):344-9

Trypanosoma cruzi culture used as vaccine to prevent chronic Chagas' disease in mice. Basombrío MA, et al. **Infect Immun** 1982 Apr;36(1):351-6

Side effects of immunization with liver attenuated Trypanosoma cruzi in mice and rabbits. Basombrío MA, et al. **Infect Immun** 1982 Apr;3t(1):342-50

Receptor for immunoglobulin Fc on pathogenic but not on nonpathogenic protozoa of the Trypanosomatidae. De Miranda-Santos IK, et al. **J Exp Med** 1981 Dec 1; 154(6):1732-42

Cytophilic antibody in experimental Chagas' disease. Kuhn RE, et al. **J Parasitol** 1981 Dec;67(6):807-12

Phagocytosis of Trypanosoma cruzi by human polymorphonuclear leukocytes. Rimoldi MT, et al. **J Protozool** 1981 Aug;28(3):351-4

Cell surface antigens of Trypanosoma cruzi: use of monoclonal antibodies to identify and isolate an epimastigote specific glycoprotein. Snary D, et al. **Mol Biochem Parasitol** 1981 Oct;3(6):343-56

A monoclonal antibody defining antigenic determinants on subpopulations of mammalian neurones and Trypanosoma cruzi parasites. Wood JN, et al. **Nature** 1982 Mar 4; 296(5852):34–8

The nature of immunity against Trypanosoma cruzi in mice recovered from acute infection. Scott MT. **Parasite Immunol** 1981 Autumn;3(3):209–18

Specific glycoprotein antigens on the surface of insect and mammalian stages of Trypanosoma cruzi. Nogueira N, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1259–63

Detection of antibodies to Trypanosoma cruzi in the South American opossum (Didelphis marsupialis). Luckins AG, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):29–32

[Antigenic analysis of various strains of Trypanosoma cruzi] Andrade SG, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov–Dec;23(6):245–50 (Eng. Abstr.) **(Por)**

[Ribosomal antigens of Trypanosoma cruzi. Antigenic reactivity of the protein component] Lopetegui R, et al. **Medicina (B Aires)** 1981;41(2):167–72 (Eng. Abstr.) **(Spa)**

[Evaluation of a specific antigenic fraction of Trypanosoma cruzi] Martin UO, et al. **Medicina (B Aires)** 1981; 41(2):182–6 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Trypanosoma cruzi in the endometrium of infected mice [letter] de Mesquita RP, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):261–2

A three-year follow-up study of infection with Trypanosoma cruzi and electrocardiographic abnormalities in a rural community in northeast Brazil. Maguire JH, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):42–7

Establishment of clones of Trypanosoma cruzi and their characterization in vitro and in vivo. Pan SC. **Bull WHO** 1982;60(1):101–7

Density gradient purification of human lymphocytes from contaminating trypomastigotes of Trypanosoma cruzi. De Titto E, et al. **J Immunol Methods** 1982;50(3):281–7

New methods for the isolation of bloodstream trypomastigotes of Trypanosoma cruzi. Hungerer KD, et al. **J Parasitol** 1981 Dec;67(6):967–9

Separation of individual stages of Trypanosoma cruzi grown in cell culture by continuous free-flow electrophoresis. Murray PK, et al. **J Protozool** 1982 Feb;29(1):109–13

Metacyclogenesis of Trypanosoma cruzi in vitro: a simplified procedure. Sullivan JJ. **Trans R Soc Trop Med Hyg** 1982; 76(3):300–3

[Hemoculture in the LIT medium for Trypanosoma cruzi according to the Mourão-Mello method (1975)] Rassi A, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar–Apr; 23(2):57–60 (Eng. Abstr.) **(Por)**

METABOLISM

Occurrence of a kinetoplast DNA–protein complex in Trypanosoma cruzi. Saucier JM, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):988–94

Protein glycosylation in Trypanosoma cruzi. II. Partial characterization of protein–bound oligosaccharides labeled 'in vivo'. Parodi AJ, et al. **J Biol Chem** 1982 Jul 10; 257(13):7641–5

Protein glycosylation in Trypanosoma cruzi. I. Characterization of dolichol–bound monosaccharides and oligosaccharides synthesized 'in vivo'. Parodi AJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7637–40

Inhibition of macrophage–Trypanosoma cruzi interaction by concanavalin A and differential binding of bloodstream and culture forms to the macrophage surface. Zenian A, et al. **J Parasitol** 1982 Jun;68(3):408–15

Adhesion and interiorization of Trypanosoma cruzi in mammalian cells. Andrews NW, et al. **J Protozool** 1982 May;29(2):264–9

Differential metabolism of allopurinol and derivatives in Trypanosoma rangeli and T. cruzi culture forms. Avila JL, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):265–72

Trypanosoma cruzi: recent biochemical advances. Gutteridge WE. **Trans R Soc Trop Med Hyg** 1981;75(4):484–92 (125 ref.)

PATHOGENICITY

Chronic Chagas disease in the mouse: III. Absence of concomitant immunity after repeated infections. Cabeza Meckert P, et al. **Medicina (B Aires)** 1981;41(5):543–8

Comparative studies on infectivity and surface carbohydrates of several strains of Trypanosoma cruzi. González Cappa SM, et al. **Medicina (B Aires)** 1981;41(5):549–55

The susceptibility of chickens to Trypanosoma (Schizotrypanum) cruzi. Minter–Goedbloed E, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):350–3

[Variants of Trypanosoma cruzi with reduced virulence obtained by mutagen treatment in vitro] Boon T, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):69–71 **(Fre)**

[Resistance to re-infection by Trypanosoma cruzi in Chagasic mice] Basombrió MA. **Medicina (B Aires)** 1981;41 Suppl:230–2 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Evidence for three respiratory terminals in Trypanosoma cruzi epimastigotes. Carneiro M, et al. **Acta Trop (Basel)** 1982 Mar;39(1):41–9

Ultrastructural studies on the in vitro interaction of Trypanosoma cruzi bloodstream forms and mouse peritoneal macrophages. de Almeida Maria T, et al. **Acta Trop (Basel)** 1982 Jun;39(2):99–109

Isolation of the intracellular stage of Trypanosoma cruzi and its interaction with mouse macrophages in vitro. Carvalho RM, et al. **Infect Immun** 1981 Aug;33(2):546–54

Macrophage–trypanosome infection. Dead and live cell scoring. de Pinho RT, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar–Apr;23(2):96

The influence of cytochalasin B on the interaction of T. cruzi and mouse peritoneal macrophages. Ebert F, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar–Apr;23(2):61–7

Vertebrate cell cycle modulates infection by protozoan parasites. Dvorak JA, et al. **Science** 1981 Nov 27; 214(4524):1034–6

[Wild reservoirs and vectors of Trypanosoma cruzi. LXXVII: Observations on the ecology of the Triatoma arthurneivai Lent and Martins, 1940] Barretto MP, et al. **Rev Bras Biol** 1981 May;41(2):317–20 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Ultrastructural differences between species of trypanosomatids with and without endosymbionts. Freymuller E, et al. **J Protozool** 1981 May;28(2):175–82

TRYPANOSOMA GAMBIENSE

ANALYSIS

In situ microfluorometry of whole kinetoplast and nuclear DNA in a single cell of Trypanosoma gambiense and Trypanosoma cruzi. Inoki S, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):182–90

CLASSIFICATION

The use of culture-derived metacyclic trypanosomes in studies on the serological relationships of stocks of Trypanosoma brucei gambiense. Jones TW, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):560–5

ENZYMOLOGY

Epidemiological studies on the animal reservoir of Gambiense sleeping sickness. Part III. Characterization of trypanozoon stocks by isoenzymes and sensitivity to human serum. Mehlitz D, et al. **Tropenmed Parasitol** 1982 Jun;33(2):113–8

GENETICS

Analysis of the DNA and RNA changes associated with the expression of isotypic variant-specific antigens of trypanosomes. Pays E, et al. **Nucleic Acids Res** 1981 Sep 11;9(17):4225–38

GROWTH & DEVELOPMENT

[Methods for a more accurate control of the development of experimental trypanosomiasis caused by trypanosoma brucei gambiense in mice] Mulumba PM, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):31–55 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunization of rabbits with zeolite absorbed Trypanosoma gambiense inactive vaccine. Ryu E, et al. **Int J Zoonoses** 1981 Jun;8(1):91–6

Agglutination antibody responses to Trypanosoma gambiense homogenate in mice treated with dextran sulfate 500 and carrageenan. Oka M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):173–81

ISOLATION & PURIFICATION

[Evaluation of field diagnosis of trypanosomiasis caused by Trypanosoma brucei gambiense] Henry MC, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):79–92 (Eng. Abstr.) **(Fre)**

PATHOGENICITY

Adaptation of low virulence stocks of Trypanosoma brucei gambiense to rat and mouse. Babiker EA, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):15–29

ULTRASTRUCTURE

Light and electron microscope studies on extravascular Trypanosoma brucei gambiense in the brain of chronically infected rodents. Van Marck EA, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):57–78

Transmission and scanning electron microscopic studies of the micronemata of Trypanosoma gambiense. Ito Y, et al. **J Protozool** 1981 Aug;28(3):313–6

TRYPANOSOMA LEWISI

DRUG EFFECTS

[Trypanosome sensitivity to polyene antibiotics] Chuenkova MV, et al. **Antibiotiki** 1982 Jun;27(6):424–30 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Basis of the specificity of rodent trypanosomes for their natural hosts. Albright JW, et al. **Infect Immun** 1981 Aug; 33(2):355–63

IMMUNOLOGY

Trypanosoma lewisi: antibody classes which mediate precipitation, agglutination, and the inhibition of reproduction. Hsu SR, et al. **Exp Parasitol** 1982 Feb; 53(1):45–56

TRYPANOSOMIASIS

BLOOD

Haemolytic activity of trypanosomes. Khaukha GW, et al. **East Afr Med J** 1981 Dec;58(12):907–11

Distribution of daunorubicin, a potent in vitro trypanocide which lacks in vivo activity, in the blood of trypanosome–infected mice. Brown JE, et al. **J Pharm Pharmacol** 1982 Apr;34(4):236–9

DIAGNOSIS

[Serological diagnosis of amebiasis and diagnosis of exotic protozoan infection] Myjak P. **Wiad Parazytol** 1980; 26(4–5):399–406 **(Pol)**

DRUG THERAPY

Chemotherapy of Trypanosoma venezuelense (T. evansi) II. Activity of metal–free organic trypanocides in mice and in vitro. Minelli EB, et al. **Ann Trop Med Parasitol** 1981 Aug;75(4):383–92

Antagonism by polyamines of the curative effects of alpha–difluoromethylornithine in Trypanosoma brucei brucei infections. Nathan HC, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):3010–3

Trypanosoma brucei brucei: the response to Melarsoprol in mice with cerebral trypanosomiasis. An immunopathological study. Poltera AA, et al. **Clin Exp Immunol** 1981 Nov;46(2):363–74

Leishmania donovani, Plasmodium berghei, Trypanosoma rhodesiense: antiprotozoal effects of some amidine types. Steck EA, et al. **Exp Parasitol** 1981 Dec;52(3):404–13

Trypanosoma rhodesiense: evaluation of the antitrypanosomal action of 2,5–bis(4–guanylphenyl)furan dihydrochloride. Steck EA, et al. **Exp Parasitol** 1982 Feb; 53(1):133–44

[Deleterious effect of levamisole on experimental trypanosomiasis in mice] Libeau G, et al. **Rev Elev Med Vet Pays Trop** 1981;34(4):399–404 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Trypanosoma musculi infections in two mouse strains exposed to various environmental temperatures. Sen DK, et al. **J Parasitol** 1981 Oct;67(5):744–6

IMMUNOLOGY

Trypanosoma musculi infection: depression of immune response to heterologous antigens. Lajeunesse MC, et al. **Can J Microbiol** 1981 Sep;27(9):893–8

Trypanosoma lewisi: antibody classes which mediate precipitation, agglutination, and the inhibition of reproduction. Hsu SR, et al. **Exp Parasitol** 1982 Feb; 53(1):45–56

Trypanosoma lewisi: enhanced resistance in naive lactating rats and their suckling pups. Mellow GH, et al. **Exp Parasitol** 1982 Apr;53(2):217–28

Differences in resistance to Trypanosoma musculi infection among strains of inbred mice. Albright JW, et al. **Infect Immun** 1981 Aug;33(2):364–71

Basis of the specificity of rodent trypanosomes for their natural hosts. Albright JW, et al. **Infect Immun** 1981 Aug; 33(2):355–63

Kinetics of immunoglobulin M and G responses of nude and normal mice to Trypanosoma musculi. Brooks BO, et al. **Infect Immun** 1982 May;36(2):667–71

Histopathological and immunocytochemical studies of Trypanosoma musculi infection of mice. Hirokawa K, et al. **Infect Immun** 1981 Dec;34(3):1008–17

Induction of parasite-specific helper T lymphocytes during Trypanosoma cruzi infections in mice. Burgess DE, et al. **J Immunol** 1981 Nov;127(5):2092–5

Suppression of parasite antigen–specific lymphoid blastogenesis in African trypanosomiasis. Charoenvit Y, et al. **J Immunol** 1981 Dec;127(6):2350–4

Effect of holothurin on Trypanosoma musculi infection in three strains of mice. Sen DK, et al. **J Protozool** 1981 May; 28(2):167–70

Trypanosoma brucei: the mechanism of remission in murine infections. A calculator simulation. Herbert WJ. **Parasite Immunol** 1982 May;4(3):209–17

Phytohaemagglutinin reactivity in circulating peripheral blood lymphocytes during a Trypanosoma brucei infection: sequential studies in individual guinea-pigs. Longstaffe JA, et al. **Parasite Immunol** 1982 May;4(3):187–96

Thymus graft reconstitution of T-cell–deprived mice infected with Trypanosoma musculi. Targett GA, et al. **Parasite Immunol** 1981 Winter;3(4):353–8

Ablastin and the control of Trypanosoma musculi infections

in mice. Trudel L, et al. **Parasite Immunol** 1982 May; 4(3):149–56

Rheumatoid factor–like immunoglobulin M protects previously uninfected rat pups and dams from Trypanosoma lewisi. Clarkson AB Jr, et al. **Science** 1981 Oct 9;214(4517):186–8

PARASITOLOGY

Quantitative methods in the study of the pathogenesis of haemoprotozoal diseases. Losos GJ, et al. **Parasitology** 1982 Jun;84(Pt 3):537–65

A silicone centrifugation technique for the detection of low parasitaemias of salivarian trypanosomes. Ogbunude PO, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):317–8

PATHOLOGY

The effect of Trypanosoma equiperdum on the lesions of experimental influenza virus pneumonia. Oyejide A, et al. **J Comp Pathol** 1982 Apr;92(2):169–75

PHYSIOPATHOLOGY

Macrophage function during Trypanosoma musculi infection in mice. Vincendeau P, et al. **Infect Immun** 1981 Nov; 34(2):378–81

THERAPY

Cure of mice infected with Trypanosoma rhodesiense by cis–diamminedichloroplatinum (II) and disulfiram rescue. Wysor MS, et al. **Science** 1982 Jul 30;217(4558):454–6

VETERINARY

Examination of interaction of trypanosome infection and crude oil exposure on hematology of the longhorn sculpin (Myoxocephalus octodecemspinosus). Kiceniuk JW, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):435–8

Gomparison of various tests for the serological diagnosis of Trypanosoma equiperdum infection in the horse. Caporale VP, et al. **Comp Immunol Microbiol Infect Dis** 1981; 4(3–4):243–6

The interaction of Trypanosoma congolense and Haemonchus contortus infections in 2 breeds of goat. 2. Haematology. Griffin L, et al. **J Comp Pathol** 1981 Jan; 91(1):97–103

The interaction of Trypanosoma congolense and Haemonchus contortus infections in 2 breeds of goat. 1. Parasitology. Griffin L, et al. **J Comp Pathol** 1981 Jan; 91(1):85–95

Further studies on trypanosomes in game animals in Wyoming II. Kingston N, et al. **J Wildl Dis** 1981 Oct; 17(4):539–46

Acquired immunity against Trypanosoma danilewskyi in goldfish, Carassius auratus. Woo PT. **Parasitology** 1981 Oct;83(Pt 2):343–6

Trypanosoma vivax in water buffalo (Bubalus bubalis) of the Amazon basin and the diagnosis of subpatent infection by anion exchange separation [letter] Lanham SM, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):471–3

[Occurrence of blood flagellates belonging to genus Trypanosoma Gruby, 1841, in the blood of carp—Cyprinus carpio L. and that of tench—tinca L.] Jastrzębski M. **Wiad Parazytol** 1981;27(6):753–61 (Eng. Abstr.) **(Pol)**

TRYPANOSOMIASIS, AFRICAN

BLOOD

Hematologic manifestations, diagnosis, and immunopathology of African trypanosomiasis. Wéry M, et al. **Semin Hematol** 1982 Apr;19(2):83–92 (53 ref.)

COMPLICATIONS

Thrombocytopenia: a uniform complication of African trypanosomiasis. Davis CE. **Acta Trop (Basel)** 1982 Jun; 39(2):123–33

Glomerular accumulation of monocytes and macrophages in experimental glomerulonephritis associated with Trypanosoma rhodesiense infection. Nagle RB, et al. **Lab Invest** 1982 Apr;46(4):365–76

DIAGNOSIS

The six diseases WHO. Human trypanosomiasis in Africa. Foulkes JR. **Br Med J [Clin Res]** 1981 Oct 31; 283(6300):1172–4

Sleeping sickness in Iganga District, Uganda: application of a new diagnostic technique. Gashumba JK. **East Afr Med J** 1981 Sep;58(9):699–702

Field diagnosis of sleeping sickness in the Ivory Coast. I. Comparison of the miniature anion–exchange/centrifugation technique with other protozoological methods. Lumsden WH, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):242–50

[Evaluation of field diagnosis of trypanosomiasis caused by Trypanosoma brucei gambiense] Henry MC, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):79–92 (Eng. Abstr.) **(Fre)**

[Symptoms of human trypanosomiasis at the first diagnostic phase in the People Republic of Congo (author's transl)] Ginoux PY, et al. **Med Trop (Mars)** 1982 May–Jun; 42(3):281–7 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Further studies on difluoromethylornithine in African trypanosomes. McCann PP, et al. **Med Biol** 1981 Dec; 59(5–6):434–40

The use of Erlangen diamidine 98/202 in relapsing Trypanosoma brucei infections in mice. Jennings FW, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):204–7

Bleomycin–induced life prolongation of mice infected with Trypanosoma brucei brucei EATRO 110. Nathan HC, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):394–8

Drug synergy in experimental African trypanosomiasis. Williamson J, et al. **Tropenmed Parasitol** 1982 Jun; 33(2):76–82

[Pharmacotherapy in sleeping sickness (author's transl)] Bozděch V, et al. **Cas Lek Cesk** 1982 Feb 5;121(5):152–4 (Eng. Abstr.) **(Cze)**

ENZYMOLOGY

Hepatic mixed–function oxidase activity in mice infected with Trypanosoma brucei gambiense or treated with trypanocides. Shertzer HG, et al. **Mol Biochem Parasitol** 1981 Aug;3(4):199–204

FAMILIAL & GENETIC

[Importance of familial contamination in Trypanosoma brucei gambiense trypanosomiasis] Henry MC. **Bull Soc Pathol Exot Filiales** 1981 Jan–Feb;74(1):65–71 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The susceptibility of Glossina palpalis palpalis at different ages to infection with Trypanosoma congolense. Distelmans W, et al. **Ann Soc Belg Med Trop** 1982 Mar; 62(1):41–7

Immune depression in Trypanosoma brucei brucei infected mice. Sequential histological and immunological findings. Martinotti MG, et al. **Boll Ist Sieroter Milan** 1981; 60(4):288–96

Lymphocyte function in experimental African trypanosomiasis. IV. Immunosuppression and suppressor cells in the athymic nu/nu mouse. Mansfield JM, et al. **Cell Immunol** 1981 Sep 1;63(1):210–5

Murine T lymphocyte specificity for African trypanosomes. II. Suppression of the T lymphocyte proliferative response to Trypanosoma brucei by systemic trypanosome infection. Gasbarre LC, et al. **Clin Exp Immunol** 1981 Jul;45(1):165–72

Trypanosoma vivax: courses of infection with three stabilates in inbred mouse strains. de Gee AL, et al. **Exp Parasitol** 1982 Aug;54(1):33–9

Immunological clearance of 75Se–labelled Trypanosoma brucei in mice. III. Studies in animals with acute infections. Macaskill JA, et al. **Immunology** 1981 Aug;43(4):691–8

Genetics of resistance to African trypanosomes: role of the H–2 locus in determining resistance to infection with Trypanosoma rhodesiense. Levine RF, et al. **Infect Immun** 1981 Nov;34(2):513–8

Detection and composition of immune complexes in experimental African trypanosomiasis. Lindsley HB, et al. **Infect Immun** 1981 Aug;33(2):407–14

Immunization of mice against African trypanosomiasis using anti–idiotypic antibodies. Sacks DL, et al. **J Exp Med** 1982 Apr 1;155(4):1108–19

Parasite– (antigen) specific stimulation of B and T cells in African trypanosomiasis. Campbell GH, et al. **J Immunol** 1982 Sep;129(3):1272–4

Subcellular distribution of particle–associated antigens in Trypanosoma rhodesiense. McLaughlin J. **J Immunol** 1982 Jun;128(6):2656–63

Simultaneous induction of an idiotype, corresponding anti–idiotypic antibodies, and immune complexes during African trypanosomiasis in mice. Rose LM, et al. **J Immunol** 1982 Jan;128(1):79–85

Effects of some African game animal sera on Trypanosoma brucei rhodesiense and T.b. brucei clones. Rickman L, et al. **Tropenmed Parasitol** 1982 Jun;33(2):129–35

Experimental bovine trypanosomiasis (Trypanosoma vivax and T. congolense). III. Serum levels of immunoglobulins, heterophile antibodies, and antibodies to T. vivax. Tabel H, et al. **Tropenmed Parasitol** 1981 Sep;32(3):149–53

Early events following challenge of cattle with tsetse infected with Trypanosoma congolense: development of the local skin reaction. Akol GW, et al. **Vet Rec** 1982 Mar 27; 110(13):295–302

[Autoantibodies in human african trypanosomiasis (smooth muscle antibodies during a Trypanosoma gambiense disease) (author's transl)] Wolga JI, et al. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):676–84 (Eng. Abstr.) **(Fre)**

METABOLISM

Phenylalanine metabolism in Microtus montanus chronically infected with Trypanosoma brucei gambiense. Seed JR, et al. **Comp Biochem Physiol [B]** 1982;71(2):209–15

Hepatic microsomal alterations during chronic trypanosomiasis in the field vole, Microtus montanus. Shertzer HG, et al. **Mol Biochem Parasitol** 1982 Jul; 6(1):25–32

OCCURRENCE

Sleeping sickness and the factors affecting it in Botswana. Davies JE. **J Trop Med Hyg** 1982 Apr;85(2):63–71

Sleeping sickness epidemic in Busoga, Uganda. Gashumba JK, et al. **Trop Doct** 1981 Oct;11(4):175–8

Epidemiological studies on the animal reservoir of gambiense sleeping sickness. Part II. Parasitological and immunodiagnostic examination of the human population. Felgner P, et al. **Tropenmed Parasitol** 1981 Sep;32(3):134–40

Epidemiological studies on the animal reservoir of gambiense sleeping sickness. Part I. Review of literature and description of the study areas. Mehlitz D, et al. **Tropenmed Parasitol** 1981 Sep;32(3):129–33

[Trypanosoma rhodesiense African human trypanosomiasis foci in Burundi (vector : Glossina morsitans). Historic and present aspects (author's transl)] Perich P. **Med Trop (Mars)** 1982 Jan–Feb;42(1):33–41 (Eng. Abstr.) **(Fre)**

[Observations on tsetse flies in a forest focus of human trypanosomiasis in Ivory Coast. 3. Dispersal and distribution of fly populations around a village (author's transl)] Gouteux JP, et al. **Tropenmed Parasitol** 1982 Jun; 33(2):119–28 (Eng. Abstr.) **(Fre)**

[The epidemiology of human trypanosomiasis due to Trypanosoma gambiense in a focus of the Ivory Coast. I. The distribution of the disease in the population (author's transl)] Stanghellini A, et al. **Tropenmed Parasitol** 1981 Sep; 32(3):141–4 (Eng. Abstr.) **(Fre)**

[Application and evaluation of indirect hemagglutination in mass screening for African trypanosomiasis caused by T. gambiense] Delgado Miranda L, et al. **Rev Cubana Med Trop** 1981 Sep–Dec;33(3):185–94 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

On the persistence of human serum resistance and isoenzyme patterns of Trypanozoon in experimentally infected pigs. Schütt ID, et al. **Acta Trop (Basel)** 1981 Dec;38(4):367–73

Light and electron microscope studies on extravascular Trypanosoma brucei gambiense in the brain of chronically infected rodents. Van Marck EA, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):57–78

The isolation of T. brucei–like organisms from man. Rickman L, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):223–4

[Methods for a more accurate control of the development of experimental trypanosomiasis caused by trypanosoma brucei gambiense in mice] Mulumba PM, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):31–55 (Eng. Abstr.) **(Fre)**

[Study of a group of patients with African trypanosomiasis] Valdés Sánchez A, et al. **Rev Cubana Med Trop** 1981 May–Aug;33(2):114–20 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Response of the murine lymphoid system to a chronic infection with Trypanosoma congolense. I. The spleen. Morrison WI, et al. **Lab Invest** 1981 Dec;45(6):547–57

PHYSIOPATHOLOGY

Development of local skin reactions in rabbits infected with metacyclic forms of Trypanosoma congolense cultured in vitro. Luckins AG, et al. **Ann Trop Med Parasitol** 1981 Oct;75(5):563–4

[Sleeping sickness in children and its long term after–effects. Apropos 110 personal observations at Fontem Hospital (Cameroon)] Cramet R. **Med Trop (Mars)** 1982 Jan–Feb; 42(1):27–31 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Probing by Glossina morsitans morsitans and transmission of Trypanosoma (Nannomonas) congolense. Roberts LW. **Am J Trop Med Hyg** 1981 Sep;30(5):948–51

A tsetse survey of Luuka and Kigulu counties of South Busoga District, Uganda, during an outbreak of African sleeping sickness. Kutuza SB, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):55–8

Cyclical transmission of pathogenic Trypanosoma species by gamma–irradiated sterile male Glossina morsitans morsitans. Moloo SK. **Parasitology** 1982 Apr;84(Pt 2):289–96

Epidemiological studies on the animal reservoir of Gambiense sleeping sickness. Part III. Characterization of trypanozoon stocks by isoenzymes and sensitivity to human serum. Mehlitz D, et al. **Tropenmed Parasitol** 1982 Jun;33(2):113–8

VETERINARY

Control of tsetse flies, Glossina spp. Dame DA, et al. **Adv Vet Sci Comp Med** 1981;25:101–19 (80 ref.)

Resistance to Trypanosoma brucei in mice following inoculation of NTG–treated trypanosomes. Johnson RP, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):952–4

The susceptibility of young sheep and goats to an experimental Trypanosoma congolense infection. Griffin L, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):49–53

Trypanosoma congolense: natural and acquired resistance in the bovine. Wellde BT, et al. **Exp Parasitol** 1981 Oct; 52(2):219–32

Early course of infection in susceptible and resistant strains of mice, using [3H]uridine–labeled Trypanosoma brucei subsp. brucei. Anderson LW, et al. **Infect Immun** 1982 May; 36(2):525–30

Surface coat variant antigen of Trypanosoma brucei brucei:

its clearance from blood and concentration in organs of normal, infected, and immune mice. Diffley P, et al. **Infect Immun** 1982 Jan;35(1):173–8

Studies on the transmission of a West African stock of Trypanosoma vivax to rabbits, rats, mice and goats by Glossina morsitans morsitans and G. m. centralis. Moloo SK. **Int J Parasitol** 1981 Jun;11(3):191–6

The initial stage of infection with cyclically-transmitted Trypanosoma congolense in rabbits, calves and sheep. Gray AR, et al. **J Comp Pathol** 1980 Oct;90(4):499–512

In vivo and in vitro activity by diverse chelators against Trypanosoma brucei brucei. Shapiro A, et al. **J Protozool** 1982 Feb;29(1):85–90

Survey for trypanosomes in black rhinoceros (Diceros bicornis). Clausen B. **J Wildl Dis** 1981 Oct;17(4):581–6

Non-specific immune responses in CBA/N mice infected with Trypanosoma brucei. Gasbarre LC, et al. **Parasite Immunol** 1981 Autumn;3(3):273–82

Genital lesions in experimental chronic Trypanosoma brucei infection in rams. Ikede BO. **Res Vet Sci** 1979 Mar; 26(2):145–51

Delay in resolution of trypanosome-induced genital lesions in male rabbits infected with Trypanosoma brucei and treated with diminazene aceturate. Ikede BO, et al. **Res Vet Sci** 1982 May;32(3):374–6

Trypanosomiasis in Zebu cattle. Reappearance of Trypanosoma congolense in brain tissue after treatment with Berenil. Haase M, et al. **Rev Elev Med Vet Pays Trop** 1981;34(2):149–54

Trypanosoma evansi infections and antibodies in goats, sheep and camels in the Sudan. Boid R, et al. **Trop Anim Health Prod** 1981 Aug;13(3):141–6

Pig trypanosomiasis: effects of infection on feed intake, liveweight gain and carcass traits. Ilemobade AA, et al. **Trop Anim Health Prod** 1981 Aug;13(3):128–36

Susceptibility to African trypanosomiasis of N'Dama and Zebu cattle in an area of Glossina morsitans submorsitans challenge. Murray M, et al. **Vet Rec** 1981 Dec 5; 109(23):503–10

Relapse of monomorphic and pleomorphic Trypanosoma brucei infections in the mouse after chemotherapy. Gray GD, et al. **Z Parasitenkd** 1982;67(2):137–45

[Quantitative methods for the determination of immunoglobulins and specific antibodies in cattle with trypanosomiasis] Heidrich-Joswig S, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15;94(24):484–7 (Eng. Abstr.) **(Ger)**

TRYPANOSOMIASIS, BOVINE

BLOOD

Trypanosoma congolense: thrombocyte survival in infected steers. Preston JM, et al. **Exp Parasitol** 1982 Aug; 54(1):129–33

The blood volumes and erythrokinetics of Ndama and Zebu cattle experimentally infected with Trypanosoma brucei. Dargie JD, et al. **Res Vet Sci** 1979 Mar;26(2):245–7

Variation in erythrocyte surface and free serum sialic acid concentrations during experimental Trypanosoma vivax infection in cattle. Esievo KA, et al. **Res Vet Sci** 1982 Jan; 32(1):1–5

COMPLICATIONS

Pathogenesis of anemia in Trypanosoma brucei-infected mice. Amole BO, et al. **Infect Immun** 1982 Jun;36(3):1060–8

DRUG THERAPY

[Note on a trypanocidal treatment trial in the control of primary infection in Baoule calves] Camus E. **Rev Elev Med Vet Pays Trop** 1980;33(3):289–93 (Eng. Abstr.) **(Fre)**

ECONOMICS

[Economic evaluation of losses incurred by trypanosomiasis in 4 genetic types of cattle in the North of the Ivory Coast] Camus E. **Rev Elev Med Vet Pays Trop** 1981;34(3):297–300 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

The in vitro response to mitogens of leucocytes from cattle infected with Trypanosoma congolense. Masake RA, et al. **Clin Exp Immunol** 1981 Mar;43(3):583–9

Immune depression in African trypanosomiasis: the role of antigenic competition. Nantulya VM, et al. **Clin Exp Immunol** 1982 Feb;47(2):234–42

African trypanosome antigens recognized during the course of infection in N'dama and Zebu cattle. Shapiro SZ, et al. **Infect Immun** 1982 Feb;35(2):410–6

Immunization of cattle with a variant-specific surface antigen of Trypanosoma brucei: influence of different adjuvants. Wells PW, et al. **Infect Immun** 1982 Apr;36(1):1–10

Immunosuppression in bovine trypanosomiasis: response of cattle infected with Trypanosoma congolense to foot-and-mouth disease vaccination and subsequent live virus challenge. Sharpe RT, et al. **Res Vet Sci** 1982 May; 32(3):289–93

Experimental bovine trypanosomiasis (Trypanosoma vivax and T. congolense). III. Serum levels of immunoglobulins, heterophile antibodies, and antibodies to T. vivax. Tabel H, et al. **Tropenmed Parasitol** 1981 Sep;32(3):149–53

Early events following challenge of cattle with tsetse infected with Trypanosoma congolense: development of the local skin reaction. Akol GW, et al. **Vet Rec** 1982 Mar 27; 110(13):295–302

Susceptibility to African trypanosomiasis of N'Dama and Zebu cattle in an area of Glossina morsitans submorsitans challenge. Murray M, et al. **Vet Rec** 1981 Dec 5; 109(23):503–10

[Quantitative methods for the determination of immunoglobulins and specific antibodies in cattle with trypanosomiasis] Heidrich-Joswig S, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15;94(24):484–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Epidemiology and clinical incidence of bovine trypanosomiasis in the North of the Ivory Coast] Camus E. **Rev Elev Med Vet Pays Trop** 1981;34(3):289–95 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Trypanosomiasis in Zebu cattle. Reappearance of Trypanosoma congolense in brain tissue after treatment with Berenil. Haase M, et al. **Rev Elev Med Vet Pays Trop** 1981;34(2):149–54

PATHOLOGY

Evaluation of the structural and functional changes in the lymphoid organs of Boran cattle infected with Trypanosoma vivax. Masake RA, et al. **Am J Vet Res** 1981 Oct;42(10):1738–46

The initial stage of infection with cyclically-transmitted Trypanosoma congolense in rabbits, calves and sheep. Gray AR, et al. **J Comp Pathol** 1980 Oct;90(4):499–512

PHYSIOPATHOLOGY

[Comparative study of N'Dama cattle of upper Casamance for evaluation of their trypanotolerance as a function of the color of their fur] Toure SM, et al. **Rev Elev Med Vet Pays Trop** 1981;34(3):281–7 (Eng. Abstr.) **(Fre)**

TRANSMISSION

Hyalomma anatolicum anatolicum (Koch, 1844) as a possible vector for transmission of Trypanosoma theileri, Laveran, 1902 in cattle. Shastri UV, et al. **Vet Parasitol** 1981 Dec; 9(2):151–5

TRYPANOSOMIASIS, CARDIOVASCULAR see **CHAGAS CARDIOMYOPATHY**

TRYPANOSOMIASIS, SOUTH AMERICAN

BLOOD

Increased serum levels of an interferon-like activity during the acute period of experimental infection with different strains of Trypanosoma cruzi. Sonnenfeld G, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1189–91

Induction of the acute-phase protein serum amyloid P in experimental Chagas' disease. Scharfstein J, et al. **Infect Immun** 1982 Jan;35(1):46–51

Characterization of the antiviral activity produced during Trypanosoma cruzi infection and protective effects of exogenous interferon against experimental Chagas' disease. Kierszenbaum F, et al. **J Parasitol** 1982 Apr;68(2):194–8

COMPLICATIONS

Multifocal demyelinative lesions of peripheral nerves in experimental chronic Chagas's disease [letter] Barreira AA, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):751

[Behavior of the lower esophageal sphincter during deglutition in Chagasic esophagopathy] Dantas RO, et al. **AMB** 1981 Dec;27(12):340–2 (Eng. Abstr.) **(Por)**

[Phlebitis with adrenal parasitism in chronic Chagas patients] Almeida H de O, et al. **Arq Bras Cardiol** 1981 May; 36(5):341–4 (Eng. Abstr.) **(Por)**

[Anatomo-functional aspects of the gallbladder in patients with Chagas megaesophagus] Conte VP. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr;36(2):69–77 **(Por)**

CONGENITAL

Intracranial calcifications probably due to congenital Chagas' disease. Pehrson PO, et al. **Am J Trop Med Hyg** 1982 May; 31(3 Pt 1):449–51

Asymptomatic congenital Chagas' disease in a 5-year-old child. Pehrson PO, et al. **Scand J Infect Dis** 1981; 13(4):307–8

DIAGNOSIS

Cross-reactivity between Trypanosoma cruzi and insect trypanosomatids as a basis for the diagnosos of Chagas' disease. Lopes JD, et al. **Am J Trop Med Hyg** 1981 Nov; 30(6):1183–8

Detection of circulating antigens of Trypanosoma cruzi by enzyme immunoassay. Araujo FG. **Ann Trop Med Parasitol** 1982 Feb;76(1):25–36

A comparison of thin layer immunoassay (TIA) and enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to Trypanosoma cruzi. Nilsson LA, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):95–7

The direct agglutination test for chronic Chagas's disease. The effect of pre-treatment of test samples with 2-mercaptoethanol. Peralta JM, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):695–8

[Quantitative serological reactions in Chagas' disease: clinico-laboratory relationship in 100 patients] Araujo Sobrinho AQ, et al. **Arq Bras Cardiol** 1981 Jun;36(6):413–5 (Eng. Abstr.) **(Por)**

[Discrepancies in the results of 3 serological reactions used for the diagnosis of Chagas disease] Teixeira AR, et al. **Rev Bras Biol** 1981 Nov;41(4):789–95 (Eng. Abstr.) **(Por)**

[Hemoculture in the LIT medium for Trypanosoma cruzi according to the Mourão-Mello method (1975)] Rassi A, et al. **Rev Inst Med Trop Sao Paulo** 1981 Mar-Apr; 23(2):57–60 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Gastrointestinal parasites: Part I. Protozoal infections. Verm RA. **Am Fam Physician** 1982 Apr;25(4):170–5

The efficacy of a novel compound, (e)-1-(4'-bromo-4-biphenylyl)-1-(4-chlorophenyl)-3-dim against Trypanosoma cruzi in mice. Barrett PA, et al. **Experientia** 1982 Mar 15;38(3):338–9

Comparison of drug sensitivities of three strains of Trypanosoma cruzi in inbred A/Jax mice. Cover B, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):274–81

[Treatment of Chagas disease] Abitbol H. **An R Acad Nac Med (Madr)** 1981;98(4):755–8 **(Spa)**

ETIOLOGY

Reactivation of Chagas' disease during therapy of acute lymphocytic leukemia. Kohl S, et al. **Cancer** 1982 Sep 1; 50(5):827–8

FAMILIAL & GENETIC

Biological and cultural determinants of immunoglobulin levels in a Brazilian population with Chagas' disease. Barbosa CA, et al. **Hum Genet** 1981;59(2):161–3

Genetic control of responses to Trypanosoma cruzi in mice: multiple genes influencing parasitemia and survival. Wrightsman R, et al. **Infect Immun** 1982 May;36(2):637–44

HISTORY

[Did Darwin suffer from Chagas' disease? (letter)] Castagnino HE, et al. **Medicina (B Aires)** 1981;41(2):263–4 **(Spa)**

IMMUNOLOGY

Trypanosoma cruzi: the fate of bloodstream trypomastigote, amastigote, metacyclic trypomastigote and epimastigote forms in the peritoneal macrophages of immune and non-immune mice in vivo. Burger E, et al. **Acta Trop (Basel)** 1982 Jun;39(2):111–22

Immunoenzymatic assy (ELISA) in mucocutaneous leishmaniasis, kala-azar, and Chagas' disease: an epimastigote Trypanosoma cruzi antigen able to distinguish between anti-Trypanosoma and anti-Leishmania antibodies. Guimarães MC, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):942–7

Antibody levels to Trypanosoma cruzi in infected patients with and without evidence of chronic Chagas' disease. Gusmão RD, et al. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):452–8

Leucocyte migration inhibition response to tissue antigens in asymptomatic individuals infected with Trypanosoma cruzi. Peralta JM, et al. **Clin Exp Immunol** 1981 Sep; 45(3):621–6

Denervation and the immune response in mice infected with Trypanosoma cruzi. Ribeiro dos Santos, et al. **Clin Exp Immunol** 1981 May;44(2):349–54

Rat cerebellar cells in tissue culture. I. An immunological marker for brain vascular endothelial cells (antibodies from the sera of patients with Chagas' disease). Wilkin GP, et al. **Dev Neurosci** 1981;4(4):296–306

Trypanosoma cruzi: correlation of resistance and susceptibility in infected bred mice with the in vivo primary antibody response to sheep red blood cells. Tanowitz HB, et al. **Exp Parasitol** 1981 Oct;52(2):233–42

Immune T cells control Trypanosoma cruzi infections. Corsini AC, et al. **Experientia** 1981;37(8):904–6

Purification and properties of anti-Trypanosoma cruzi antibodies isolated from patients with chronic Chagas' disease. Hajos SE, et al. **Immunol Lett** 1982 Apr; 4(4):199–203

On evasion of Trypanosoma cruzi from the host immune response. Lymphoproliferative responses to trypanosomal antigens during acute and chronic experimental Chagas' disease. Kierszenbaum F. **Immunology** 1981 Nov; 44(3):641–8

Delayed hypersensitivity to Trypanosoma cruzi in mice: specific suppressor cells in chronic infection. Scott MT. **Immunology** 1981 Oct;44(2):409–17

Monoclonal antibodies to stages of Trypanosoma cruzi: characterization and use for antigen detection. Araujo FG, et al. **Infect Immun** 1982 Jul;37(1):344–9

Side effects of immunization with liver attenuated Trypanosoma cruzi in mice and rabbits. Basombrío MA, et al. **Infect Immun** 1982 Apr;36(1):342–50
Enhanced resistance to acute infection with Trypanosoma cruzi in mice treated with an interferon inducer. James SL, et al. **Infect Immun** 1982 Feb;35(2):588–93
Genetics of murine resistance to Trypanosoma cruzi. Trischmann TM, et al. **Infect Immun** 1982 Feb;35(2):546–51
Susceptibility of radiation chimeras to Trypanosoma cruzi. Trischmann TM. **Infect Immun** 1982 May;36(2):844–6
Antibodies to laminin in Chagas' disease. Szarfman A, et al. **J Exp Med** 1982 Apr 1;155(4):1161–71
Resistance against Trypanosoma cruzi associated to anti-living trypomastigote antibodies. Krettli AU, et al. **J Immunol** 1982 May;128(5):2009–12
Trypanosoma cruzi: induction of microbicidal activity in human mononuclear phagocytes. Nogueira N, et al. **J Immunol** 1982 May;128(5):2142–6
T. cruzi: sensitization to macrophage killing by eosinophil peroxidase. Nogueira NM, et al. **J Immunol** 1982 Apr; 128(4):1705–8
In vitro transfer of reactivity to Trypanosoma cruzi antigens from rat cells to human cells with immune RNA. De Lucca FL, et al. **J Infect Dis** 1982 Feb;145(2):148–51
Cytophilic antibody in experimental Chagas' disease. Kuhn RE, et al. **J Parasitol** 1981 Dec;67(6):807–12
Chronic Chagas disease in the mouse: III. Absence of concomitant immunity after repeated infections. Cabeza Meckert P, et al. **Medicina (B Aires)** 1981;41(5):543–8
A monoclonal antibody defining antigenic determinants on subpopulations of mammalian neurones and Trypanosoma cruzi parasites. Wood JN, et al. **Nature** 1982 Mar 4; 296(5852):34–8
The nature of immunity against Trypanosoma cruzi in mice recovered from acute infection. Scott MT. **Parasite Immunol** 1981 Autumn;3(3):209–18
Immunosuppression in mice infected with Trypanosoma cruzi (Chagas, 1909). II--Trypomastigote crude extract (TCE) suppress the humoral immune response in mice. Corsini AC, et al. **Rev Inst Med Trop Sao Paulo** 1981 May–Jun; 23(3):122–6
Immunosuppression in mice infected with Trypanosoma cruzi (Chagas, 1909). I--Evidences of polyclonal B cell activation in experimental infections mimicked by an extract prepared from circulating trypomastigotes. Corsini AC, et al. **Rev Inst Med Trop Sao Paulo** 1981 May–Jun; 23(3):114–21
Immunobiology of Trypanosoma cruzi infection and Chagas's disease. Hudson L. **Trans R Soc Trop Med Hyg** 1981; 75(4):493–8 (30 ref.)
Effect of specific chemotherapy on the levels of lytic antibodies in Chagas's disease. Krettli AU, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):334–40
Leishmaniasis in Brazil. XIV. Leishmanial and trypanosomal IgA antibody in patients with leishmaniasis and Chagas's disease. Shaw JJ, et al. **Trans R Soc Trop Med Hyg** 1981; 75(2):254–7
[Immunodiagnostic findings in sera of patients with leishmaniasis, Chagas' disease, malaria and amebiasis in endemic regions of Venezuela (author's transl)] Salfelder A, et al. **Tropenmed Parasitol** 1981 Sep;32(3):194–6 (Eng. Abstr.) **(Ger)**
[Solid-phase radioimmunoassay for the study of the humoral response to Trypanosoma cruzi] Vottero-Cima E, et al. **Acta Physiol Lat Am** 1979;29(4–5):263–70 (Eng. Abstr.) **(Spa)**
[Resistance to re-infection by Trypanosoma cruzi in Chagasic mice] Basombrió MA. **Medicina (B Aires)** 1981;41 Suppl:230–2 (Eng. Abstr.) **(Spa)**
[Evaluation of a specific antigenic fraction of Trypanosoma cruzi] Martin UO, et al. **Medicina (B Aires)** 1981; 41(2):182–6 (Eng. Abstr.) **(Spa)**
[Trypanosoma cruzi infection in congenitally athymic mice] Segura EL, et al. **Medicina (B Aires)** 1981;41(3):328–32 (Eng. Abstr.) **(Spa)**
[Anti-T agglutinin in Chagas' disease patients (author's transl)] Palatnik M, et al. **Sangre (Barc)** 1981;26(2):221–3 (Eng. Abstr.) **(Spa)**

METABOLISM

Alteration of the immune and nutritional status of mice by synergy between zinc deficiency and infection with Trypanosoma cruzi. Fraker PJ, et al. **J Nutr** 1982 Jun; 112(6):1224–9

OCCURRENCE

Chagas' disease seroepidemiology in the area of the future Yacyreta-Apipe hydroelectric dam in Corrientes Province, Argentina. Borda CE, et al. **Bull Pan Am Health Organ** 1981;15(4):333–45
[Biological and ecological factors in the epidemiology of Chagas' disease in Chile (author's transl)] Schenone H, et al. **Bol Chil Parasitol** 1980 Jul–Dec;35(3–4):42–54 (Eng. Abstr.) **(Spa)**
[A seroepidemiologic survey for Chagas' disease in Potrerillos, Chile (author's transl)] Casanova EE, et al. **Rev Med Chil** 1981 Mar;109(3):206–7 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Trypanosoma cruzi in the endometrium of infected mice [letter] de Mesquita RP, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):261–2
Comparative studies on infectivity and surface carbohydrates of several strains of Trypanosoma cruzi. González Cappa SM, et al. **Medicina (B Aires)** 1981;41(5):549–55

PATHOLOGY

[Endomyocardial biopsy in the indeterminate form of Chagas' disease] Mady C, et al. **Arq Bras Cardiol** 1981 Jun; 36(6):387–90 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Acid secretion in patients with Chagas' disease. Leão GJ, et al. **Acta Gastroenterol Latinoam** 1981;11(2):273–8
Prevalence of slow heart rates in chronic Chagas' disease. Palmero HA, et al. **Am J Trop Med Hyg** 1981 Nov; 30(6):1179–82
Acid and pepsin secretion in chronic Chagas' disease patients in response to graded doses of pentagastrin and pentagastrin plus bethanecol. Padovan W, et al. **Digestion** 1982; 23(1):48–56
Respiratory mechanics in patients with Chagas disease without cardiac insufficiency. Vargas FS, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov–Dec;23(6):264–73
[Electrophysiological studies of the heart in indeterminate forms of Chagas' disease] Décourt LV, et al. **Arq Bras Cardiol** 1981 Apr;36(4):227–34 (Eng. Abstr.) **(Por)**
[Effects of food temperature on the esophageal motility in Chagas' megaesophagus. Manometric study] de Rezende JM, et al. **Arq Gastroenterol** 1981 Jan–Mar;18(1):8–13 (Eng. Abstr.) **(Por)**
[Chagas disease and arterial pressure (letter)] Caeiro T, et al. **Medicina (B Aires)** 1981;41(4):505–6 **(Spa)**

PREVENTION & CONTROL

The control of Chagas' disease in Mambaí, Brazil: the initial phases. Marsden PD. **Infect Control** 1981 Nov–Dec; 2(6):466–70
Trypanosoma cruzi culture used as vaccine to prevent chronic Chagas' disease in mice. Basombrío MA, et al. **Infect Immun** 1982 Apr;36(1):351–6
Health science on stamps. Loevy HT, et al. **J Am Dent Assoc** 1981 Jun;102(6):875

TRANSMISSION

The influence of the strain of Trypanosoma cruzi in placental infections in mice. Andrade SG. **Trans R Soc Trop Med Hyg** 1982;76(1):123–8
Neonatal transmission of T. cruzi in Calomys callosus (Rodentia) [letter] Mello DA, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):574–5
[Kidney transplantation: a new way of transmitting chagas disease] Chocair PR, et al. **Rev Inst Med Trop Sao Paulo** 1981 Nov–Dec;23(6):280–2 (Eng. Abstr.) **(Por)**
[A new autochthonous case of American trypanosomiasis on the southern coast of the State of São Paulo, Brazil] Forattini OP, et al. **Rev Saude Publica** 1981 Jun;15(3):350–2 (Eng. Abstr.) **(Por)**
[Post-transfusion Chagas disease] Noziglia del Nido C, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):318–22 (Eng. Abstr.) **(Spa)**
[Post-transfusion Chagas' disease] Noziglia del Nido C, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):318–22 (Eng. Abstr.) **(Spa)**

VETERINARY

Prevalence of Trypanosoma cruzi-like infection of Colombian bats. Marinkelle CJ. **Ann Trop Med Parasitol** 1982 Apr;76(2):125–34
The prevalence of Trypanosoma (Schizotrypanum) cruzi cruzi infection in Colombian monkeys and marmosets. Marinkelle CJ. **Ann Trop Med Parasitol** 1982 Apr; 76(2):121–4
Antibody-independent, natural resistance of birds to Trypanosoma cruzi infection. Kierszenbaum F, et al. **J Parasitol** 1981 Oct;67(5):656–60

TRYPSIN

The effects of cations and trypsin on extraction of chlorophyll-protein complexes by octyl glucoside. Camm EL, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):563–72
How does limited trypsinization influence the surface structure and binding of calcium to lipoprotein (a): a spin-labeling study. Nöthig-Laslo V, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):329–38
ADP-ribosyl transferase activity of cholera toxin polypeptide A1 and the effect of limited trypsinolysis. Lai CY, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):1021–7
Differences in stability against thermal unfolding between trypsin- and detergent-solubilized cytochromes b5 and structural changes in the heme vicinity upon the transition: resonance Raman and absorption study. Kitagawa T, et al. **Biochemistry** 1982 Mar 30;21(7):1680–6
Reaction of antithrombin with proteases. Nature of the reaction with trypsin. Wong RF, et al. **Biochemistry** 1982 Jan 5;21(1):6–12
Application of photoactivatable fluorescent active-site directed probes to serine-containing enzymes. Angelides KJ. **Biochim Biophys Acta** 1981 Jul 28;669(2):149–56
The effects of limited proteolysis by trypsin on human haptoglobin. Katnik I, et al. **Biochim Biophys Acta** 1981 Aug 28;670(1):17–24
Stability of the lac repressor headpiece against thermal denaturation and tryptic hydrolysis. Schnarr M, et al. **Biochim Biophys Acta** 1982 Apr 3;702(2):155–62
Cleavage of purified C3 by immobilized trypsin. Emerson DL, et al. **Clin Chim Acta** 1982 Jul 1;122(2):305–12
Selective partial digestion of the alpha subunit of soluble mitochondrial adenosine triphosphatase (F1) by trypsin. Hundal T, et al. **FEBS Lett** 1981 Oct 12;133(1):115–8
The effect of trypsin cleavage on the structure and function of human C4. Malmheden Yman I, et al. **FEBS Lett** 1981 Sep 28;132(2):187–92
Role of local induced-fit of Ser 195 in beta-trypsin: a molecular orbital study. Nakagawa S, et al. **FEBS Lett** 1982 Mar 22;139(2):181–4
Isolation of peptides with immunoreactivity from ovalbumin by trypsin digestion. Yokota Y, et al. **FEBS Lett** 1982 May 17;141(2):225–8
Formation, crystallization, and preliminary crystallographic data of the ternary complex of alpha-chymotrypsin, beta-trypsin, and the Bowman-Birk inhibitor. Gaier JR, et al. **J Biol Chem** 1981 Nov 25;256(22):11417–9
Role of Asp102 in the enzymatic reaction of bovine beta-trypsin. A molecular orbital study. Umeyama H, et al. **J Mol Biol** 1981 Aug 15;150(3):409–21
Protein dynamics investigated by the neutron diffraction-hydrogen exchange technique. Kossiakoff AA. **Nature** 1982 Apr 22;296(5859):713–21
Electrostatic potential molecular surfaces. Weiner PK, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3754–8
[Production of primary cells cultures by a semi-industrial technic. II. Use of active trypsin solutions for effective cell yields] Beyer R, et al. **Acta Biol Med Ger** 1981;40(6):801–9 (Eng. Abstr.) **(Ger)**
[Studies on the quality of enzyme preparations (II). Pharmaceutical studies on commercially available chymotrypsin and trypsin preparations (author's transl)] Tanimoto T, et al. **Eisei Shikenjo Hokoku** 1981;99:84–8 (Eng. Abstr.) **(Jpn)**
[Products of limited proteolysis of chromatin core particles] Grigor'ev SA, et al. **Biokhimiia** 1982 May;47(5):707–12 (Eng. Abstr.) **(Rus)**
[Athrombogenic substances derived by immobilization of trypsin on the surface of synthetic polymers] Salganik RI, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):113–5 (Eng. Abstr.) **(Rus)**
[Effect of methods of heat treatment on enzymatic hydrolysis of meat proteins] Vazagov VM, et al. **Vopr Pitan** 1982 May–Jun;(3):52–3 **(Rus)**

ADMINISTRATION & DOSAGE

[Treatment of postoperative edema of the hand with proteolytic enzymes] Osepian IA, et al. **Ortop Travmatol Protez** 1981 Aug;(8):28–30 (Eng. Abstr.) **(Rus)**

ANALYSIS

Immunoreactive forms of cationic trypsin in plasma and ascitic fluid of dogs in experimental pancreatitis. Geokas MC, et al. **Am J Pathol** 1981 Oct;105(1):31–9
A 'trypsin-like' enzyme in adrenal chromaffin granules: a proenkephalin processing enzyme. Evangelista R, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):895–902
Estimation of trypsin in feces by a new colorimetric method. Solis C, et al. **Clin Chim Acta** 1982 Jul 15;122(3):431–6
Activation and release of a trypsin-like proteinase from bovine lens alpha-crystallin. Tse SS, et al. **Exp Eye Res** 1982 May;34(5):659–74
Immunoactive trypsins in duodenal juice from children with gastrointestinal disorders. Borulf S, et al. **Gut** 1982 Jul; 23(7):564–8
Comparative in vitro enzyme activities of five commercially available pancreatic supplements. Shaw DW, et al. **NZ Med J** 1982 Jun 23;95(710):424–5
Effect of anti-inflammatory thiosemicarbazone indoles on hyaluronidase, acid phosphatase and trypsin. Kaur S, et al. **Pharmacology** 1982;24(3):162–8

BLOOD

Serum concentration of cathodic trypsin-like immunoreactivity and pancreatic isoamylase in insulin-dependent diabetes mellitus. Møller-Petersen J, et al. **Acta Med Scand** 1982;211(6):459–62
Screening for cystic fibrosis by died blood spot trypsin assay. Heeley AF, et al. **Arch Dis Child** 1982 Jan;57(1):18–21
Clinical value of serum immunoreactive trypsin concentration. Ruddell WS, et al. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1429–32
Immunoreactive trypsin, alpha-amylase and lipase in serum--is there an age-dependence? Köhn HD, et al. **Clin Biochem** 1982 Feb;15(1):49–51
Immunoreactive trypsin and pancreatic isoamylase activity in serum of patients with chronic renal failure or hepatic cirrhosis. Fahrenkrug J, et al. **Clin Chem** 1981 Oct; 27(10):1655–7
Origin of circulating serum immunoreactive trypsin in man. Lake-Bakaar G, et al. **Dig Dis Sci** 1982 Feb;27(2):143–8

Small-angle X-ray scattering study of the interaction between human alpha 2-macroglobulin and trypsin. Branegård B, et al. **Eur J Biochem** 1982 Mar 1;122(3):663–6
Two kinins formed by trypsin from human plasma protein. Okuda M, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):633–41
Comparison of the diagnostic value of serum pancreatic isoamylase and immunoreactive trypsin measurement in patients with cystic fibrosis. Brown RC, et al. **J Clin Pathol** 1982 May;35(5):547–9
Serum immunoreactive trypsin in beta-thalassaemia major. Hussain M, et al. **J Clin Pathol** 1981 Sep;34(9):970–1
Assay of serum immunoreactive trypsin in dried blood spots and the early detection of cystic fibrosis. Ryley HC, et al. **J Clin Pathol** 1981 Aug;34(8):906–10
Variations with age of immunoreactive serum trypsin: higher reference ranges in 'healthy' elderly people. Ammann RW, et al. **Klin Wochenschr** 1982 Mar 1;60(5):243–6
Plasma immunoreactive pancreatic cationic trypsinogen in cystic fibrosis: a sensitive indicator of exocrine pancreatic dysfunction. Durie PR, et al. **Pediatr Res** 1981 Oct; 15(10):1351–5
Serum trypsin levels in acute pancreatic and non-pancreatic abdominal conditions. Artigas JM, et al. **Postgrad Med J** 1981 Apr;57(666):219–22
Proteolysis of parathyroid hormone in vitro by sera from acute pancreatitis patients. Brodrick JW, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):588–96
Serum immunoreactive trypsin in cystic fibrosis. Dandona P, et al. **Thorax** 1981 Jan;36(1):60–2
[High level of immunoreactive circulating trypsin in primary myocardiopathy in cystic fibrosis (letter)] Guesnu M, et al. **Arch Fr Pediatr** 1982 Feb;39(2):127–8 **(Fre)**
[Interest in pediatrics in the value of trypsin by the radioimmunologic method] Carrel O, et al. **Helv Paediatr Acta** 1981 Nov;36(5):405–16 (Eng. Abstr.) **(Fre)**
[Diagnostic significance of pancreatic serum-enzyme patterns after stimulation with secretin in chronic pancreatitis (author's transl)] Malfertheiner P, et al. **Dtsch Med Wochenschr** 1982 Jun 4;107(22):849–53 (Eng. Abstr.) **(Ger)**
[Value of the radioimmunologic measurement of serum trypsin in the study of pancreatic diseases. Preliminary studies] Cipollini F, et al. **Minerva Med** 1982 May 12; 73(20):1425–8 **(Ita)**
[Fundamental studies of trypsin kit (RIA) (author's transl)] Kanamori I, et al. **Horumon To Rinsho** 1982 Jan;30(1):101–5 **(Jpn)**
[Radioimmunoassay of serum pancreatic enzymes] Ogawa M. **Nippon Rinsho** 1981;39(7):2642–51 (55 ref.) **(Jpn)**
[Studies on the interaction of human cationic trypsin with serum protease inhibitors (author's transl)] Iwaki K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):276–81 **(Jpn)**
[Clinical evaluation of serum trypsin concentration by radioimmunoassay (author's transl)] Ono M, et al. **Radioisotopes** 1981 Dec;30(12):690–2 **(Jpn)**
[Evaluation of measuring serum trypsin by radioimmunoassay and clinical application for the study on the exocrine function in diabetics (author's transl)] Shimizu M, et al. **Radioisotopes** 1982 Feb;31(2):88–93 (Eng. Abstr.) **(Jpn)**
[In defense of the phenomenon of 'enzyme deviation' in acute pancreatitis] Lashchevker VM. **Klin Khir** 1981 Nov; (11):48–51 (31 ref.) **(Rus)**
[Trypsin in the blood in pancreatitis: facts, assumptions, errors] Spitsyn IF. **Klin Khir** 1981 Nov;(11):44–8 (59 ref.) **(Rus)**

DEFICIENCY

[Trypsin deficiency in diabetes mellitus of children and adolescents (author's transl)] Sitzmann FC, et al. **Klin Padiatr** 1981 Sep;193(5):362–4 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Demonstration of rotavirus antigen in trypsin-digested paraffin tissue sections by immunofluorescence. Palmer DG, et al. **Am J Vet Res** 1982 Jun;43(6):1089–91
Immunofluorescent staining of rabies virus antigen in formalin-fixed tissue after treatment with trypsin. Umoh JU, et al. **Bull WHO** 1981;59(5):737–44
[A study of retinal vascular patterns in premature infants by the trypsin digestion technique (author's transl)] Nishimura M. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10; 85(9):1191–203 (Eng. Abstr.) **(Jpn)**

GENETICS

Two-dimensional spectroscopy of electrophoretic gels. Klebe RJ, et al. **Biochem Genet** 1981 Aug;19(7–8):655–72

IMMUNOLOGY

Immunoreactive trypsin, chymotrypsin, and pancreatic secretory trypsin inhibitor in cord blood from infants with cystic fibrosis. Borgström A, et al. **Acta Paediatr Scand** 1981 Sep;70(5):619–21
Clinical value of serum immunoreactive trypsin concentration. **Br Med J [Clin Res]** 1982 Jan 16; 284(6310):199–200
Immunological relationships between rabbit acrosin and pancreatic trypsin. Dudkiewicz AB. **Immunol Commun** 1982;11(1):59–67
Serum immuno reactive trypsin and pancreatic isoamylase in older patients with cystic fibrosis. Tobin MJ, et al. **Ir J Med Sci** 1981 Nov;150(11):325–8
Radioimmunoassay of trypsin-like immunoreactivity in dried blood spots. Zucchelli GC, et al. **J Nucl Med Allied Sci** 1982 Jan-Mar;26(1):35–9

ISOLATION & PURIFICATION

Transition-state affinity purification of proteases; the preparation of an argininal affinity resin for the selective binding of trypsin-like proteases. Patel AH, et al. **Biochem Biophys Res Commun** 1982 Jan 15;104(1):181–6
A sepharose derivative coupled with a leupeptin-like peptide aldehyde, glycylglycyl-L-argininal, and its use as an affinity adsorbent for trypsin. Nishikata M, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):256–61
Characteristics of two trypsin type isozymes isolated from the arctic fish capelin (Mallotus villosus). Hjelmeland K, et al. **Comp Biochem Physiol [B]** 1982;71(4):557–62
A method for the isolation of homogeneous fluorescein-labeled proteins for studies on the variation in biological and fluorescence properties of the different conjugates. Kasche V, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul;362(7):1007–12

METABOLISM

Incorporation of chemically modified proteins into liposomes. Koelsch R, et al. **Acta Biol Med Ger** 1981;40(3):331–5
Susceptibility of continuous lines of monkey kidney cells to influenza and parainfluenza viruses in the presence of trypsin. Orstavik I. **Acta Pathol Microbiol Scand [B]** 1981 Jun;89(3):179–83
Effects of stimulation of renin release on trypsin-activable renin in rat plasma. Barrett JD, et al. **Am J Physiol** 1982 Sep;243(3):E206–12
Stability of pancreatic enzyme activities in duodenal juice after pancreatic stimulation by a test meal or exogenous hormones. Muller DP, et al. **Ann Clin Biochem** 1982 Mar; 19(Pt 2):89–93
NH2-terminal sequences of DNA-, heparin-, and gelatin-binding tryptic fragments from human plasma fibronectin. Pande H, et al. **Arch Biochem Biophys** 1982 Jan;213(1):258–65
Alpha 2-macroglobulin-protease reactions: relationship of covalent bond formation, methylamine reactivity, and specific proteolysis. Wang D, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):500–6
Limited digestion of RNA polymerase from Escherichia coli by trypsin (effect of rifamycin and DNA on the integrity of sigma subunit). Sarma MH, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):663–70
Characterization of a high-molecular-weight form of human acrosin. Comparison with human pancreatic trypsin. Anderson RA Jr, et al. **Biochem J** 1981 Nov 1; 199(2):307–16
Cleavage by trypsin and by the proteinase from Armillaria mellea at epsilon-N-formyl-lysine residues. Barry FP, et al. **Biochem J** 1981 Mar 1;193(3):737–42
Calcium-binding constants of trypsin and trypsinogen. A reassessment. Cliffe SG, et al. **Biochem J** 1981 Feb 1; 193(2):655–8
Relation of internal thioesters to conformational change and receptor-recognition site in alpha 2-macroglobulin complexes. Van Leuven F, et al. **Biochem J** 1982 May 1; 203(2):405–11
Functional modifications of alpha 2-macroglobulin by primary amines. Kinetics of inactivation of alpha 2-macroglobulin by methylamine, and formation of anomalous complexes with trypsin. Van Leuven F, et al. **Biochem J** 1982 Jan 1;201(1):119–28
Direct determination of the protonation states of aspartic acid-102 and histidine-57 in the tetrahedral intermediate of the serine proteases: neutron structure of trypsin. Kossiakoff AA, et al. **Biochemistry** 1981 Oct 27; 20(22):6462–74
Mapping the active sites of bovine thrombin, factor IXa, factor Xa, factor XIa, factor XIIa, plasma kallikrein, and trypsin with amino acid and peptide thioesters: development of new sensitive substrates. McRae BJ, et al. **Biochemistry** 1981 Dec 8;20(25):7196–206
Functional and structural studies on a tryptic fragment of eucaryotic elongation factor Tu from rabbit reticulocytes. Slobin LI, et al. **Biochemistry** 1981 Sep 29;20(20):5761–7
Use of trypsin and lipoamidase to study the role of lipoic acid moieties in the pyruvate and alpha-ketoglutarate dehydrogenase complexes of Escherichia coli. Stepp LR, et al. **Biochemistry** 1981 Aug 4;20(16):4555–60
Reaction of antithrombin with proteases. Nature of the reaction with trypsin. Wong RF, et al. **Biochemistry** 1982 Jan 5;21(1):6–12
Specificity of trypsin and carboxypeptidase B for hydroxylysine residues in denatured collagens. Wu GY, et al. **Biochemistry** 1981 Jul 21;20(15):4321–4
The effect of alpha 2-macroglobulin on the interaction of alpha 1-proteinase inhibitor with porcine trypsin. Beatty K, et al. **Biochim Biophys Acta** 1982 Jun 4;704(2):221–6
Digestion of troponin C with trypsin in the presence and absence of Ca2+. Identification of cleavage points. Grabarek Z, et al. **Biochim Biophys Acta** 1981 Dec 29; 671(2):227–33
Comparison of the active center geometries in phospholipase, trypsin and thermolysin. Kamer G, et al. **Biochim Biophys Acta** 1981 Jun 29;669(1):93–7
Pressure dependence of trypsin-catalyzed hydrolyses of specific substrates. Kunugi S, et al. **Biochim Biophys Acta** 1982 May 21;704(1):107–13
Limited trypsinolysis of porcine and equine colipases. Spectroscopic and kinetic studies. Rathelot J, et al. **Biochim Biophys Acta** 1981 Dec 29;671(2):155–63
Trypsin cleavage of the alpha-subunit of beef heart F1-ATPase abolishes ATP synthesis and ATP-driven energy-transduction capabilities. Skerrett KJ, et al. **Biochim Biophys Acta** 1981 Nov 12;638(1):120–4
Inhibition properties of Sepharose-bound trypsin and a protease on the surface of Ehrlich ascites tumour cells. Steven FS, et al. **Biochim Biophys Acta** 1981 Aug 13; 660(2):333–40
Evidence for exchange of inhibitors which bind to the active site of trypsin. Displacement of one inhibitor with a competitive inhibitor. Steven FS, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):190–5
The effects of anions, substrates, metal ions and sulfhydryl reagents on the proteolytic susceptibility of yeast phosphoglycerate kinase. Wrobel JA, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):236–45
The biliary excretion of trypsin in rats. Grant DA, et al. **Biosci Rep** 1981 Oct;1(10):765–70
Effect of methisoprinol on E-rosette formation by trypsin-treated lymphocytes. Gomez G, et al. **Boll Ist Sieroter Milan** 1981;60(4):302–6
The activity of pepsin, chymotrypsin and trypsin during 24 h periods in the small intestine of growing pigs. Low AG. **Br J Nutr** 1982 Jul;48(1):147–59
Origin and levels of trypsin in amniotic fluid throughout pregnancy. Pocknee RC, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):142–4
Studies on the endogenous phosphatides of mammalian pancreas and their hydrolysis by endogenous phospholipases – I. The lipids of dog pancreas and their in vitro hydrolysis, primed by trypsin, by phospholipase A2. Helmy FM, et al. **Comp Biochem Physiol [B]** 1982; 71B(1):101–4
Effect of pancreozymin and secretin on intraluminal enterokinase, trypsin, and chymotrypsin activities of cystic fibrosis and control children. Lebenthal E, et al. **Digestion** 1982;23(1):39–47
The central tryptic fragment of histones H1 and H5 is a fully compacted domain and is the only folded region in the polypeptide chain. A thermodynamic study. Tiktopulo EI, et al. **Eur J Biochem** 1982 Feb;122(2):327–31
Tryptic modification of human serum low-density lipoprotein leads to altered rates of turnover and intravascular transformation in the guinea pig. Weech PK, et al. **Eur J Biochem** 1981 Nov;120(1):191–6
Enhanced enzyme activity in concentrated salt solutions. Teng CM, et al. **Experientia** 1982 Mar 15;38(3):403–4
Mechanism of proteinase complex formation with alpha 2-macroglobulin. Three modes of trypsin binding. Sottrup-Jensen L, et al. **FEBS Lett** 1981 Jun 1; 128(1):127–32
Complex formation of guanidinated bovine trypsin inhibitor (Kunitz) with trypsin, chymotrypsin and trypsinogen as studied by the spin-label technique. Wenzel HR, et al. **FEBS Lett** 1982 Apr 5;140(1):53–7
Pepsin and trypsin activity in the fore gut of metamorphosing Xenopus laevis larvae. Kujat R. **Folia Biol (Krakow)** 1981; 29(3–4):275–8
Inverse substrates: novel synthetic substrates for trypsin and related enzymes. Tanizawa K, et al. **Folia Haematol (Leipz)** 1982;109(1):61–6
Postnatal development of trypsin-like esteroproteases in mouse submandibular gland. Takuma T, et al. **Histochemistry** 1981;72(1):25–31
Intramolecular enzymatic peptide synthesis: trypsin-mediated coupling of the peptide bond between B22-arginine and B23-glycine in a split crosslinked insulin. Chu SC, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):647–54
Glutaminyl-peptide gamma-glutamyltransferase dependence of the uptake of trypsin-alpha-macroglobulin complexes by macrophages. Ohlsson K, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar;363(3):213–20
The resistance of crosslinked insulin derivatives to pepsin and trypsin. Wang CC, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):639–46
Circular dichroism spectra of trypsin and chymotrypsin complexes with Bowman-Birk or chickpea trypsin inhibitor. Jibson MD, et al. **Int J Pept Protein Res** 1981 Jul;18(1):26–32
Polarization fluorescence studies on proteolytic activity of alpha 2-macroglobulin-trypsin complexes. Karic L, et al. **Int J Pept Protein Res** 1981 Oct;18(4):416–9
Trypsin and chymotrypsin development in the neonatal lamb. Brown JJ, et al. **J Anim Sci** 1981 Feb;52(2):359–62
Properties of amino acid composition of the tryptic fragments of the heavy chain of myosin subfragment-1. Hozumi T. **J Biochem (Tokyo)** 1981 Sep;90(3):785–8
Interaction of urinary trypsin inhibitor, UTI68, with bovine trypsin. Tominaga M, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1391–401
The mechanism of trypsin catalysis at low pH. Proposal for a structural model. Antonini E, et al. **J Biol Chem** 1981 Dec 10;256(23):12449–55
On a domain structure of colicin E1. A COOH-terminal

peptide fragment active in membrane depolarization. Dankert JR, et al. **J Biol Chem** 1982 Apr 10;257(7):3857–63

Analysis of tRNA polymerase by trypsin cleavage. Different structural changes produced by heparin and DNA. Fisher R, et al. **J Biol Chem** 1982 Feb 25;257(4):1702–4

Trypsin–catalyzed synthesis of peptide bond in human hemoglobin. Oxygen binding characteristics of Gly–NH2(142 alpha) Hb. Nagai K, et al. **J Biol Chem** 1982 Feb 25;257(4):1622–5

The reaction of alpha 2–macroglobulin–bound trypsin with soybean trypsin inhibitor. Wang D, et al. **J Biol Chem** 1981 Nov 10;256(21):10934–40

Inhibition of proteases by alpha 2–macroglobulin. The role of lysyl amino groups of trypsin in covalent complex formation. Wu K, et al. **J Biol Chem** 1981 Oct 25; 256(20):10409–14

Comparison of the effect of calcium(II) and manganese(II) ions on trypsin autolysis. Vajda T, et al. **J Inorg Biochem** 1981 Dec;15(4):307–15

Disruptiin of energy transductiin in sarcoplasmic reticulum by trypsin cleavage of (Ca2+ + Mg2+)–ATPase. Scott TL, et al. **J Membr Biol** 1982;64(3):137–44

Neutron–scattering studies of the binding of initiator tRNAMet to escherichia coli trypsin modified methionyl–tRNA synthetase. Dessen P, et al. **J Mol Biol** 1982 Feb 5;154(4):603–13

Effect of protein infused into sheep duodenum on activities of pancreatic proteases in intestinal digesta and on the absorption site of amino acids. Ben–Ghedalia D, et al. **J Nutr** 1982 Apr;112(4):818–24

Behavior of trypsin and related enzymes toward amidinophenyl esters. Nozawa M, et al. **J Pharmacobiodyn** 1981 Aug;4(8):559–64

Inhibition of Sindbis virus maturation after treatment of infected cells with trypsin. Adams RH, et al. **J Virol** 1982 Feb;41(2):692–702

Independent control of selected insulin–sensitive cell membrane and intracellular functions–the linkage of cell membrane and intracellular events controlled by insulin. III. The influence of trypsin on cell membrane hexose transport and on glycogen synthase and mitochondrial pyruvate dehydrogenase activation. Kikuchi K, et al. **Mol Cell Biochem** 1981 Jul 7;37(2):125–30

Involvement of trypsin–like activity in binding of mouse spermatozoa to zonae pellucidae. Saling PM. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6231–5

Heparin and protease inhibition. I. Heparin complexes with thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):103–14

[A new semisynthesis of human insulin. Tryptic transpeptidation of porcine insulin with L–threonine tert–butyl ester (author's transl)] Jonczyk A, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1591–8 (Eng. Abstr.) **(Ger)**

[Enzyme activities of native non–enzymatically glucosylated trypsin, chymotrypsin and papain] Coradello H, et al. **Padiatr Padol** 1982;17(2):457–64 (Eng. Abstr.) **(Ger)**

[Activation of trypsin by the substrate N–acetyl–L–norvaline methyl ester] Aisina RB, et al. **Biokhimiia** 1982 May; 47(5):778–83 (Eng. Abstr.) **(Rus)**

[Effect of chemical modification on proteinase interaction with inhibitors, on their coagulability and acute toxicity] Bogacheva TI, et al. **Biokhimiia** 1981 May;46(5):863–71 (Eng. Abstr.) **(Rus)**

[Mechanism of thermal denaturation of native trypsin and trypsin modified by neutral soluble polymer] Ivanova GP, et al. **Biokhimiia** 1981 Oct;46(10):1815–22 (Eng. Abstr.) **(Rus)**

[Effect of temperature on the hydrolysis of some synthetic substrates by thrombin and trypsin] Kibirev VK. **Biokhimiia** 1981 Oct;46(10):1799–806 (Eng. Abstr.) **(Rus)**

[Trypsin immobilization in silica gel] Iankevich MI, et al. **Prikl Biokhim Mikrobiol** 1981 Jul–Aug;17(4):500–4 (Eng. Abstr.) **(Rus)**

[Synthesis of trypsin polymer derivatives with single–point binding of the polymer–modifier and protein] Vlasov GP, et al. **Prikl Biokhim Mikrobiol** 1981 Jul–Aug;17(4):494–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Trypsin–enhanced replication of neonatal calf diarrhea coronavirus in bovine embryonic lung cells. Toth TE. **Am J Vet Res** 1982 Jun;43(6):967–72

The effects of cations and trypsin on extraction of chlorophyll–protein complexes by octyl glucoside. Camm EL, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):563–72

Changes in suspensions of human keratinocytes due to trypsin. Barton SP, et al. **Arch Dermatol Res** 1981; 271(3):245–57

Plaque formation by avian infectious bronchitis virus in primary chick embryo fibroblast cells in the presence of trypsin. Otsuki K, et al. **Arch Virol** 1981;70(4):315–20

Protection of prostaglandin H synthase from trypsin upon binding of heme. Kulmacz RJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):758–64

Effects of proteolytic enzymes on steroid release from rat adrenal zona glomerulosa tissue: evidence for novel steroid–protein complexes. Raven PW, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1247–54

A comparison of the actions of trypsin and pepsin on porcine immunoglobulin M and their effects on biological activity. Beale D, et al. **Biochim Biophys Acta** 1981 Sep 29; 670(2):230–5

Effects of trypsin on binding of insulin and concanavalin A and on glucose and proline transport in the R3230AC mammary adenocarcinoma. Hilf R, et al. **Biochim Biophys Acta** 1982 Feb 10;720(1):42–52

Activation of calmodulin–dependent NAD+ kinase by trypsin. Meijer L, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):143–6

Effect of the removal of the COOH–terminal region of bacteriorhodopsin on its light–induced H+ changes. Govindjee R, et al. **Biophys J** 1982 Apr;38(1):85–7

Alterations in membrane permeability with trypsin treatment. Johnson PA, et al. **Can J Biochem** 1981 Aug;59(8):668–75

Dual action of leucocyte dialysates and of thymosin on the recovery of sheep–cell–rosetting capacity in trypsinized human lymphocytes. Sargent IL, et al. **Clin Exp Immunol** 1982 Jan;47(1):183–90

Optimum tryptic activation of inactive renin in human plasma is independent of endogenous anti–tryptic activity. Rappelli A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):303s–305s

Conversion of blebs to microvilli: cell surface reorganisation after trypsin. Kinn SR, et al. **Differentiation** 1981; 20(2):168–73

The effect of trypsin of rate, force and cyclic AMP in guinea pig atria. Cros GH, et al. **Eur J Pharmacol** 1981 Aug 27; 74(1):95–9

The glycosaminoglycans in trypsin–damaged fibroblast cultures. Kittlick PD, et al. **Exp Pathol** 1982;21(2):138–40

Trypsin–induced activation of the thiol esters in alpha 2–macroglobulin generates a short–lived intermediate ('nascent' alpha 2–M) that can react rapidly to incorporate not only methylamine or putrescine but also proteins lacking proteinase activity. Sottrup–Jensen L, et al. **FEBS Lett** 1981 Jun 1;128(1):123–6

A new method for detecting haemoglobins with decreased stability: tryptic digestibility test. Szelényi JG, et al. **Haematologia (Budap)** 1981;14(2):191–7

In vitro generation of splenic suppressor cells by trypsin. Ulrich F. **Immunology** 1982 Jun;46(2):369–80

Proteolytic degradation of calf thymus terminal deoxynucleotidyl transferase. Chang LM, et al. **J Biol Chem** 1982 May 25;257(10):5700–6

Human somatotropin. Selective removal with trypsin of residues 135–145 from the hormone molecule with no loss of biological activities. Gráf L, et al. **J Biol Chem** 1982 Mar 10;257(5):2365–9

Light–dependent cleavage of the gamma subunit of coupling factor 1 by trypsin causes activation of Mg2+–ATPase activity and uncoupling of photophosphorylation in spinach chloroplasts. Moroney JV, et al. **J Biol Chem** 1982 May 25;257(10):5915–20

Effect of proteolytic digestion on the Ca2+–ATPase activity and subunits of latent and thiol–activated chloroplast coupling factor 1. Moroney JV, et al. **J Biol Chem** 1982 May 25;257(10):5910–4

Biosynthesis of gp160, the major trypsin–sensitive surface glycoprotein of macrophages. Remold–O'Donnell E. **J Biol Chem** 1982 Jun 10;257(11):6600–4

Hormone–sensitive adenylate cyclase. Delineation of a trypsin–sensitive site in the pathway of receptor–mediated inhibition. Stiles GL, et al. **J Biol Chem** 1982 Jun 10; 257(11):6287–91

Cyclic Nucleotide–independent protein kinases from rabbit reticulocytes. Identification and characterization of a protein kinase activated by proteolysis. Tahara SM, et al. **J Biol Chem** 1981 Nov 25;256(22):11558–64

Effects of divalent cations, trypsin, and phospholipases on the passive permeability to sodium of inside–out vesicles from human red cells. Colvin RA, et al. **J Cell Biochem** 1982;18(3):377–91

Spectrin domains: proteolytic susceptibility as a probe of protein structure. Speicher DW, et al. **J Cell Biochem** 1982; 18(4):479–92

Characterization of the IgE receptor by tryptic mapping. Pecoud AR, et al. **J Immunol** 1981 Dec;127(6):2208–14

Complement–independent activation of the fifth component (C5) of human complement: limited trypsin digestion resulting in the expression of biological activity. Wetsel RA, et al. **J Immunol** 1982 May;128(5):2209–16

Increase in the estrogen binding capacity of breast cancer cytosols following limited proteolysis with trypsin. Pettersson K, et al. **J Steroid Biochem** 1982 Mar; 16(3):369–72

Trypsin enhancement of rotavirus infectivity: mechanism of enhancement. Clark SM, et al. **J Virol** 1981 Sep; 39(3):816–22

Proteolytic enhancement of rotavirus infectivity: molecular mechanisms. Estes MK, et al. **J Virol** 1981 Sep;39(3):879–88

Electrochemical activity determination of trypsin–like enzymes. IV. Coupled electrochemical and spectrophotometric assay of thrombin using the same H–D–Phe–Pip–Arg–4 MeO beta naphthylamide, 2HCl (S–2421) substrate. Daraio de Peuriot M, et al. **Thromb Res** 1981 May 1;22(3):303–8

Some molecular and functional changes in high molecular weight kininogen induced by plasmin and trypsin. Kleniewski J, et al. **Thromb Res** 1982 Mar 1;25(5):387–99

Proteolytic activation of vaccinia virus for the penetration phase of infection. Ichihashi Y, et al. **Virology** 1982 Jan 15;116(1):297–305

[Insensitivity of some rats to intraperitoneal injections of collagenase and trypsin] Warter J, et al. **C R Soc Biol (Paris)** 1981;175(6):870–3 (Eng. Abstr.) **(Fre)**

[Decrease of external pancreatic secretion in rats given trypsin via duodenal, peritoneal or circulatory routes (author's transl)] Laporte JC. **Gastroenterol Clin Biol** 1981 Oct;5(10):892–900 (Eng. Abstr.) **(Fre)**

[Effect of bone marrow trypsinization on the efficiency of fibroblast colony formation in monolayer cultures] Latsinik NV, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):356–8 (Eng. Abstr.) **(Rus)**

[Effect of proteolysis enzymes and their inhibitors on oxygen uptake by rat brain tissue and its antitryptic activity] Veselov VF, et al. **Ukr Biokhim Zh** 1981 Jul–Aug; 53(4):106–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Active trypsin and reflux oesophagitis: an experimental study in rats. Mud HJ, et al. **Br J Surg** 1982 May;69(5):269–72

RADIATION EFFECTS

[The effect of ionizing radiation on enzymes. V. Effect of gamma irradiation on the proteolytic effectiveness of trypsin and chymotrypsin] Libický A, et al. **Cesk Farm** 1981 Sep;30(7):233–7 (Eng. Abstr.) **(Cze)**

SECRETION

Duodenal perfusion with sodium taurocholate inhibits biliary but not pancreatic secretion in man. Björnsson OG, et al. **Clin Sci** 1982 Jun;62(6):651–9

Adaptability of pancreatic enzymes activity to various food nutritive values in man. Influence of high protein diet. Bučko A, et al. **Nahrung** 1982;26(1):59–64

THERAPEUTIC USE

An investigation into some of the factors concerned in the surgical removal of the impacted lower wisdom tooth, including a double blind trial of chymoral. Cameron IW. **Br J Oral Surg** 1980 Sep;18(2):112–24

[Long–term follow–up of the use of an enzyme–antibiotic combination in endodontics] Picarelli A, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):257–60 (Eng. Abstr.) **(Ita)**

[Effect of proteases and their inhibitors on duration of survival of animals with experimental peritonitis] Zubkov OB. **Vestn Khir** 1981 Dec;127(12):23–5 (Eng. Abstr.) **(Rus)**

[Effect of trypsin on the course of viral hepatitis and blood levels of various biochemical indicators] Luk'ianov NF. **Vrach Delo** 1981 Mar;(3):122–4 **(Rus)**

TRYPSIN INHIBITOR, ALPHA 1–ANTITRYPSIN see **ALPHA 1–ANTITRYPSIN**

TRYPSIN INHIBITOR, BOWMAN–BIRK SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KAZAL PANCREATIC see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITOR, KUNITZ, PANCREATIC see **KALLIKREIN–TRYPSIN INACTIVATOR**

TRYPSIN INHIBITOR, KUNITZ SOYBEAN see under **TRYPSIN INHIBITORS**

TRYPSIN INHIBITORS

pH and temperature effects on the molecular conformation of the porcine pancreatic secretory trypsin inhibitor as detected by hydrogen–1 nuclear magnetic resonance. De Marco A, et al. **Biochemistry** 1982 Jan 19;21(2):222–9

Hydrogen exchange rates in pancreatic trypsin inhibitor are not correlated to thermal stability in urea. Hilton BD, et al. **Biochemistry** 1981 Aug 4;20(16):4697–703

Fluctuations and averaging of proton chemical shifts in the bovine pancreatic trypsin inhibitor. Hoch JC, et al. **Biochemistry** 1982 Mar 16;21(6):1118–25

Circular dichroism spectroscopy of bovine pancreatic trypsin inhibitor and five altered conformational states. Relationship of conformation and the refolding pathway of the trypsin inhibitor. Kosen PA, et al. **Biochemistry** 1981 Sep 29;20(20):5744–54

Disulphide exchange reactions in the control of enzymic activity. Evidence for the participation of dimethyl disulphide in exchanges. Steven FS, et al. **Eur J Biochem** 1981 Sep;119(1):75–8

Sequence homology between barley trypsin inhibitor and wheat alpha–amylase inhibitors. Odani S, et al. **FEBS Lett** 1982 May 17;141(2):279–82

Kunitz–type proteinase inhibitors derived by limited proteolysis of the inter–alpha–trypsin inhibitor. VI. Detection of a complex between immunoglobulin g and the inhibitory active part of the inter–alpha–trypsin inhibitor. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct;362(10):1363–7

The amino acid sequence of a weak trypsin inhibitor B from Dendroaspis Polylepis polylepis (black mamba) venom. Strydom DJ, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct;362(10):1377–84

Hydrolysis of soybean trypsin inhibitor by the gamma subunit of 7SNGF and EGF–BP. Green DA, et al.

Int J Pept Protein Res 1981 Mar;17(3):338–44

Conformational stability of porcine-pancreatic secretory trypsin inhibitors (Kazal inhibitors). Menegatti E, et al. **Int J Pept Protein Res** 1981 Apr;17(4):454–9

Effect of cysteine on heat inactivation of soybean trypsin inhibitors. Lei MG, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1196–9

1H-NMR studies of the structure and stability of the bovine pancreatic secretory trypsin inhibitor. De Marco A, et al. **J Biol Chem** 1982 Jul 25;257(14):8337–42

Formation, crystallization, and preliminary crystallographic data of the ternary complex of alpha-chymotrypsin, beta-trypsin, and the Bowman-Birk inhibitor. Gaier JR, et al. **J Biol Chem** 1981 Nov 25;256(22):11417–9

Inhibition of proteases by alpha 2-macroglobulin. The role of lysyl amino groups of trypsin in covalent complex formation. Wu K, et al. **J Biol Chem** 1981 Oct 25; 256(20):10409–14

Accessibilities and reactivities of cysteine thiols during refolding of reduced bovine pancreatic trypsin inhibitor. Creighton TE. **J Mol Biol** 1981 Sep 5;151(1):211–3

Effect of cyclo-alkyl lactamimides upon amylase, lipase, trypsin and chymotrypsin. Roberts NB, et al. **J Pharm Pharmacol** 1982 Jun;34(6):397–400

Inactivation of soya bean trypsin inhibitors by thiols. Friedman M, et al. **J Sci Food Agric** 1982 Feb;33(2):165–72

Inactivation of trypsin-like enzymes with peptides of arginine chloromethyl ketone. Kettner C, et al. **Methods Enzymol** 1981;80 Pt C:826–42

Molecular dynamics of hydrogen bonds in bovine pancreatic trypsin inhibitor protein. Levitt M. **Nature** 1981 Nov 26; 294(5839):379–80

Collective variable description of small-amplitude conformational fluctuations in a globular protein. Noguti T, et al. **Nature** 1982 Apr 22;296(5859):776–8

Effect of constraints, solvent and crystal environment on protein dynamics. van Gunsteren WF, et al. **Nature** 1981 Oct 22;293(5834):677–8

Complete amino acid sequence of mung bean trypsin inhibitor. Zhang Y, et al. **Sci Sin [B]** 1982 Mar;25(3):268–77

[Synthetic inhibitors of serine proteinases. Part 24: Inhibition of trypsin, plasmin and thrombin by cyclic amides of N alpha-arylsulfonylamidinophenyl-glycines (author's transl)] Stürzebecher J, et al. **Pharmazie** 1981;36(7):501–2 (Eng. Abstr.) **(Ger)**

ANALYSIS

Lysozyme (muramidase) and alpha 1-anti-chymotrypsin as immunohistochemical tumour markers. Nathrath WB, et al. **Acta Histochem [Suppl] (Jena)** 1982;25:69–72

Protease and protease inhibitory activity in pregnant and postpartum involuting uterus. Milwidsky A, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):906–11

Antitryptic activity in amniotic fluid [letter] Konings CH, et al. **Clin Chem** 1981 Oct;27(10):1773–4

BLOOD

Effect of cigarette smoke on human serum trypsin inhibitory capacity and antitrypsin concentration. Chowdhury P, et al. **Am Rev Respir Dis** 1982 Jul;126(1):177–9

Cadmium-induced pulmonary injury in mouse: a relationship with serum antitrypsin activity. Chowdhury P, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):446–51

Optimum tryptic activation of inactive renin in human plasma is independent of endogenous anti-tryptic activity. Rappelli A, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):303s–305s

Turkey serum trypsin inhibitors: description and characterization. Sesboüé R, et al. **Comp Biochem Physiol [B]** 1982;72(1):99–105

[Serum antitrypsin activity level in some dermatoses (author's transl)] Horáček J, et al. **Cesk Dermatol** 1982 Apr; 57(2):61–6 (Eng. Abstr.) **(Cze)**

[Effect of surgery on the enzyme–inhibitory system of blood serum in patients with sequelae of osteomyelitic coxitis] Tal'ko II, et al. **Klin Khir** 1981 Dec;(12):17–9 **(Rus)**

[Serum antitrypsin activity] Grigorian VG, et al. **Ter Arkh** 1982;54(4):30–3 (Eng. Abstr.) **(Rus)**

[Kallikrein and prekallikrein content and antitryptic activity in the blood serum in serum hepatitis of varying degrees of severity] Iakubovskaia RI, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):804–11 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of leupeptins and inhibition of proteinases. I. Inhibition of acrosin and trypsin. Borin G, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov;362(11):1435–45

IMMUNOLOGY

Immunoreactive trypsin, chymotrypsin, and pancreatic secretory trypsin inhibitor in cord blood from infants with cystic fibrosis. Borgström A, et al. **Acta Paediatr Scand** 1981 Sep;70(5):619–21

Inter-alpha-trypsin-inhibitor (ITI): use of immunoadsorbents for preparation of anti-ITI antiserum, ITI-free human serum and purified ITI. Salier JP, et al. **J Immunol Methods** 1981;47(2):239–48

ISOLATION & PURIFICATION

Isolation of the trypsin inhibitors in Ascaris lumbricoides var. suum using affinity chromatography. Goodman RB, et al. **Anal Biochem** 1982 Mar 1;120(2):387–93

Electrophoretic method for the determination of molecular forms of trypsin inhibitors of potato tubers. Lewosz J, et al. **Anal Biochem** 1981 Jul 15;115(1):27–9

Natural plant enzyme inhibitors. Characterization of an unusual alpha-amylase/trypsin inhibitor from ragi (Eleusine coracana Geartn.). Shivaraj B, et al. **Biochem J** 1981 Jan. 1;193(1):29–36

Isolation and partial characterization of the pancreatic secretory trypsin inhibitor in the rat. Marks WH, et al. **Biochim Biophys Acta** 1982 Jul 16;717(1):91–7

Purification and characterization of an acidic trypsin/subtilisin inhibitor from tortoise egg white. Ray AK, et al. **Biochim Biophys Acta** 1982 May 27; 716(2):126–32

Trypsin inhibitor III from squash seeds (Cucurbita maxima), its reactive site and proposed amino acid sequence. Nowak K, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul; 362(7):1017–9

Natural plant enzyme inhibitors: isolation & characterization of two trypsin inhibitors from bajra (Pennisetum typhoideum). Chandrasekher G, et al. **Indian J Biochem Biophys** 1982 Feb;19(1):1–7

Studies on trypsin inhibitors of Streptomyces griseus Cal. Mukherjee M, et al. **Indian J Biochem Biophys** 1981 Dec; 18(6):437–9

Inhibitors of trypsin and chymotrypsin in winged bean (Psophocarpus tetragonolobus) tubers. de Lumen BO, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):884–6

Purification and properties of a progesterone-induced plasmin/trypsin inhibitor from uterine secretions of pigs and its immunocytochemical localization in the pregnant uterus. Fazleabas AT, et al. **J Biol Chem** 1982 Jun 25; 257(12):6886–97

Mouse plasma trypsin inhibitors. Isolation and characterization of alpha-1-antitrypsin and contrapsin, a novel trypsin inhibitor. Takahara H, et al. **J Biol Chem** 1982 Mar 10;257(5):2438–46

Studies on black gram (Vigna mungo) trypsin inhibitor. Kamalakannan V, et al. **J Sci Food Agric** 1981 Dec; 32(12):1172–6

Low molecular weight trypsin-plasmin inhibitors isolated from papain treated urinary trypsin inhibitor. Sumi H, et al. **Thromb Haemost** 1982 Feb 26;47(1):14–8

[Trypsin inhibitor from Gleditsia triacanthos L. seeds] Mosolov VV, et al. **Biokhimiia** 1982 May;47(5):797–802 (Eng. Abstr.) **(Rus)**

[Purification and properties of inhibitor from vegetative portion of alfalfa] Sukhinin VN, et al. **Biokhimiia** 1981 Jul; 46(7):1183–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Milk antitrypsin activity during clinical and experimental bovine mastitis. Honkanen-Buzalski T, et al. **Acta Vet Scand** 1981;22(3-4):360–8

Antinutrient occurrence and some physicochemical properties of the protein fractions of five Brazilian soybean varieties. do Prado VC, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):551–63

The effects of surface and macromolecular interactions on the kinetics of inactivation of trypsin and alpha-chymotrypsin. Johnson P, et al. **Biochem J** 1981 Jan 1;193(1):285–94

Complex formation of guanidinated bovine trypsin inhibitor (Kunitz) with trypsin, chymotrypsin and trypsinogen as studied by the spin-label technique. Wenzel HR, et al. **FEBS Lett** 1982 Apr 5;140(1):53–7

Circular dichroism spectra of trypsin and chymotrypsin complexes with Bowman-Birk or chickpea trypsin inhibitor. Jibson MD, et al. **Int J Pept Protein Res** 1981 Jul;18(1):26–32

Interaction of urinary trypsin inhibitor, UTI68, with bovine trypsin. Tominaga M, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1391–401

Trypsin-inhibitors in mastitic milk and colostrum: correlation between trypsin-inhibitor capacity, bovine serum albumin and somatic cell contents. Honkanen-Buzalski T, et al. **J Dairy Res** 1981 Jun;48(2):213–23

Soybean proteinase inhibitors and human proteolytic enzymes: selective inactivation of inhibitors by treatment with human gastric juice. Krogdahl A, et al. **J Nutr** 1981 Dec;111(12):2045–51

[Effect of proteolysis enzymes and their inhibitors on oxygen uptake by rat brain tissue and its antitryptic activity] Veselov VF, et al. **Ukr Biokhim Zh** 1981 Jul-Aug; 53(4):106–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of dietary raw green gram (Phaseolus aureus Roxb) and green gram trypsin inhibitors on the activity of certain protein metabolism enzymes in rats. Sathyamoorthy V, et al. **Ann Nutr Metab** 1981;25(5):334–40

Inhibition properties of Sepharose-bound trypsin and a protease on the surface of Ehrlich ascites tumour cells. Steven FS, et al. **Biochim Biophys Acta** 1981 Aug 13; 660(2):333–40

Evidence for exchange of inhibitors which bind to the active site of trypsin. Displacement of one inhibitor with a competitive inhibitor. Steven FS, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):190–5

Effect of trypsin inhibitors on acrosome reaction of guinea pig spermatozoa. Perreault SD, et al. **Biol Reprod** 1982 Mar;26(2):343–51

N alpha-arylsulfonyl-omega-amidinophenyl-alpha-aminoalk acid amides as specific thrombin inhibitors. Stürzebecher J. **Folia Haematol (Leipz)** 1982;109(1):83–8

Benzamidine derivatives--relationship between antithrombin activity and structure. Walsmann P. **Folia Haematol (Leipz)** 1982;109(1):75–82

A high-molecular mass derivative of trypsin-kallikrein inhibitor for potential medical use. II. Study of inhibitory activity. Havranová M, et al. **Hoppe Seylers Z Physiol Chem** 1982 Mar;363(3):295–303

Studies on the interaction of Trasylol (aprotinin) with trypsin-pancreatic secretory trypsin inhibitor (PSTI) complexes and with alpha 2-macroglobulin-trypsin-PSTI-complexes. Marks WH, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec;362(12):1653–6

Biological effects of isolated trypsin inhibitor from winged bean (Psophocarpus tetragonolobus) on rats. Chan J, et al. **J Agric Food Chem** 1982 Jan-Feb;30(1):46–50

p-Aminobenzamidine as a fluorescent probe for the active site of serine proteases. Evans SA, et al. **J Biol Chem** 1982 Mar 25;257(6):3014–7

The reaction of alpha 2-macroglobulin-bound trypsin with soybean trypsin inhibitor. Wang D, et al. **J Biol Chem** 1981 Nov 10;256(21):10934–40

The release of rat intestinal cholecystokinin after oral trypsin inhibitor measured by bio-assay. Brand SJ, et al. **J Physiol (Lond)** 1981;319:325–43

p-Aminobenzamidine, an acrosin inhibitor, inhibits mouse sperm penetration of the zona pellucida but not the acrosome reaction. Fraser LR. **J Reprod Fertil** 1982 May; 65(1):185–94

Purification of tonin by chromatography using soybean trypsin inhibitor coupled CH-sepharose 4B. Ikeda M, et al. **Jpn Circ J** 1981 Sep;45(9):1083–9

Effect of dietary green gram trypsin inhibitor and raw green gram meal (Phaseolus aureus Roxb) on the pancreatic activity in rats. Sathyamoorthy V, et al. **Res Exp Med (Berl)** 1982;180(2):169–78

Heparin and protease inhibition. II. The role of heparin in the ATIII inactivation of thrombin, plasmin, and trypsin. Smith GF, et al. **Thromb Res** 1981 Apr 1–15;22(1–2):115–33

The effects of soybean trypsin inhibitors on the pancreas of animals and man: a review. Flavin DF. **Vet Hum Toxicol** 1982 Feb;24(1):25–8 (36 ref.)

[Action of the basic trypsin inhibitor on lymphocyte blastic transformation in vitro] Camerini G, et al. **Boll Ist Sieroter Milan** 1981 Jul 31;60(3):212–5 (Eng. Abstr.) **(Ita)**

[Effect of polymeric modification on specific properties of soya bean inhibitor] Kiseleva EM, et al. **Biokhimiia** 1981 Jul;46(7):1188–93 (Eng. Abstr.) **(Rus)**

[Identification of the reactive sites of kidney bean proteinase inhibitor] Mosolov VV, et al. **Biokhimiia** 1982 Apr; 47(4):5[illegible]1–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Transport of proteases across neonatal intestine and development of liver disease in infants with alpha-1 antitrypsin deficiency. Udall JN, et al. **Lancet** 1982 Jun 26;1(8287):1441–3

[Use of natural kallikrein-protease inhibitors (contrical and gordox) in the therapy of acute myocardial infarct] Leshchinskil LA, et al. **Kardiologiia** 1981 Aug;21(8):38–43 (Eng. Abstr.) **(Rus)**

[Effect of carboxymethyldextran-modified native pancreatic protease-inhibitor on the course of experimental acute pancreatitis] Vladimirov VG, et al. **Patol Fiziol Eksp Ter** 1982 Jan-Feb;(1):3–7 (Eng. Abstr.) **(Rus)**

URINE

Urinary trypsin inhibitor and urokinase activities in renal diseases. Toki N, et al. **Acta Haematol (Basel)** 1982; 67(2):109–13

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, V. Attachments of carbohydrates in the human urinary trypsin inhibitor isolated by affinity chromatography. Hochstrasser K, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct; 362(10):1357–62

Kunitz-type proteinase inhibitors derived by limited proteolysis of the inter-alpha-trypsin inhibitor, IV. The amino acid sequence of the human urinary trypsin inhibitor isolated by affinity chromatography] Wachter E, et al. **Hoppe Seylers Z Physiol Chem** 1981 Oct;362(10):1351–5

Human urinary trypsin inhibitors purified by affinity chromatography on trypsin-sepharose. Sumi H, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):146–53

Inhibitors of acrosin and SH-protease in normal human urine. Sumi H, et al. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):530–5

[Studies on unexplained renal hematuria. II. Experimental studies on changes in fibrinolytic enzyme systems of dogs due to renal venous congestion and ischemia (author's transl)] Hayashi M. **Nippon Hinyokika Gakkai Zasshi** 1981 Jan;72(1):60–73 (Eng. Abstr.) **(Jpn)**

[Studies on unexplained renal hematuria. 1. Clinical studies of peripheral blood examination and fibrinolytic enzyme

systems in patients with various types of renal hematuria (author's transl)] Hayashi M.
Nippon Hinyokika Gakkai Zasshi 1981 Jan;72(1):42–59 (Eng. Abstr.) **(Jpn)**

TRYPSINOGEN

BIOSYNTHESIS

Dietary regulation of pancreatic protein synthesis. II. Kinetics of adaptation of protein synthesis and its effect on enzyme content. Lahaie RG, et al.
Biochim Biophys Acta 1981 Jun 26;654(1):119–23

BLOOD

Plasma pancreatic trypsinogens in chronic renal failure and after nephrectomy. Geokas MC, et al. **Am J Physiol** 1982 Feb;242(2):G177–82

Plasma immunoreactive pancreatic cationic trypsinogen in cystic fibrosis: a sensitive indicator of exocrine pancreatic dysfunction. Durie PR, et al. **Pediatr Res** 1981 Oct; 15(10):1351–5

GENETICS

Two similar but nonallelic rat pancreatic trypsinogens. Nucleotide sequences of the cloned cDNAs. MacDonald RJ, et al. **J Biol Chem** 1982 Aug 25;257(16):9724–32

METABOLISM

Calcium–binding constants of trypsin and trypsinogen. A reassessment. Cliffe SG, et al. **Biochem J** 1981 Feb 1; 193(2):655–8

Specific one–stage method for assay of enterokinase activity by release of radiolabelled activation peptides from alpha–N–[3H]acetyl–trypsinogen and the effect of calcium ions on the enzyme activity. Magee AI, et al.
Biochem J 1981 Jul 1;197(1):239–44

Complex formation of guanidinated bovine trypsin inhibitor (Kunitz) with trypsin, chymotrypsin and trypsinogen as studied by the spin–label technique. Wenzel HR, et al.
FEBS Lett 1982 Apr 5;140(1):53–7

The fate of intravenously injected trypsinogens in dogs. Borgström A. **Scand J Gastroenterol** 1981;16(2):281–7

SECRETION

[Rhythmic activities of the exocrine pancreas (author's transl)] Kanno T. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):152–7 (12 ref.) **(Jpn)**

TRYPTAMINE RECEPTORS see **RECEPTORS, SEROTONIN**

TRYPTAMINES

Histamine, theophylline and tryptamine transport through lipid bilayer membranes. Gutknecht J, et al.
Biochim Biophys Acta 1981 Dec 7;649(2):149–54

ANTAGONISTS & INHIBITORS

Effect of minor tranquilizers, tryptamine antagonists and amphetamine on behavior punished by brain stimulation. Morato de Carvalho S, et al. **Pharmacol Biochem Behav** 1981 Sep;15(3):351–6

BIOSYNTHESIS

Tryptophan availability and the control of 5–hydroxytryptamine and tryptamine synthesis in human CNS. Young SN, et al. **Adv Exp Med Biol** 1981;133:221–30

The pineal gland of the mole (Talpa europaea L.). VII. Activity of hydroxyindole–O–methyltransferase (HIOMT) in the formation of 5–methoxytryptophan, 5–methoxytryptamine, 5–methoxyindole–3–acetic acid, 5–methoxytryptophol and melantonin in the eyes and the pineal gland. Pévet P, et al. **J Neural Transm** 1981; 51(3–4):271–82

Biosynthesis of some urinary trace amines in the rat and the human. Boulton AA, et al.
Res Commun Chem Pathol Pharmacol 1981 Nov; 34(2):295–310

CHEMICAL SYNTHESIS

N, N–Diisopropyltryptamine (DIPT) and 5–methoxy–N,N–diisopropyltryptamine (5–MeO–DIPT). Two orally active tryptamine analogs with CNS activity. Shulgin AT, et al. **Commun Psychopharmacol** 1980; 4(5):363–9

METABOLISM

Binding of 5–fluorotryptamine to polynucleotides as a model for protein–nucleic acid interactions: fluorine–19 nuclear magnetic resonance, absorption, and fluorescence studies. Mirau PA, et al. **Biochemistry** 1982 Feb 16;21(4):615–20

The effects of some antipsychotic drugs, D–amphetamine, and reserpine on the concentration and rate of accumulation of tryptamine and 5–hydroxytryptamine in the mouse striatum. Juorio AV.
Can J Physiol Pharmacol 1982 Mar;60(3):376–80

N, N–dimethyltryptamine: an endogenous hallucinogen. Barker SA, et al. **Int Rev Neurobiol** 1981;22:83–110 (139 ref.)

2,3–dihydro and carbocyclic analogues of tryptamines: interaction with serotonin receptors. Glennon RA, et al. **J Med Chem** 1982 Jan;25(1):68–70

Concentration of 5–methoxyindoles in the human pineal gland. Beck O, et al. **J Neural Transm** 1982;54(1–2):111–6

Increase in tryptamine oxidation activity of hog kidney mitochondrial monoamine oxidase by treatment with triton–X 100 and sodium cholate. Hagiwara T, et al.
Jpn J Pharmacol 1982 Feb;32(1):202–4

Tryptamine binding sites: potential site of action of tetrahydro–beta–carbolines. Kellar KJ, et al.
Prog Clin Biol Res 1982;90:209–12

Effects of pargyline and SKF–525A on brain N,N–dimethyltryptamine concentrations and hyperactivity in mice. Morinan A, et al. **Psychopharmacology (Berlin)** 1981;75(2):179–83

PHARMACODYNAMICS

Comparison of the cardiovascular responses to intracerebroventricular administration of tryptamine, 5–hydroxytryptamine, tryptophan and 5–hydroxytryptophan in rats. Krstić MK, et al.
Arch Int Physiol Biochim 1981 Nov;89(4):385–91

Correlation of inhibitory activity of tryptamine derivatives on serotonin uptake in thrombocyte with van der Waals volume. Gupta SP, et al. **Arzneimittelforsch** 1981; 31(12):2053–5

A new antagonist of the 5–hydroxytryptamine receptor of blood platelets. Laubscher A, et al. **Arzneimittelforsch** 1982; 32(6):686–8

Tolerance to behavioral effects of N, N–dimethyltryptamine in mice. Cooper SG, et al. **Biol Psychiatry** 1981 Sep; 16(9):861–7

Behavioral effects and physiological disposition of some beta–hydroxylated indoleamines in the rat. Gentile NT, et al. **Biol Psychiatry** 1982 Jan;17(1):109–13

Tryptamine modifies cortical neurone responses evoked by stimulation of nucleus raphe medianus. Jones RS.
Brain Res Bull 1982 Apr;8(4):435–7

On the effects and mechanism of action of the antihypertensive agent TR 3369 (5–methoxytryptamine beta–methylcarboxylate) in spontaneously hypertensive rats. Antonaccio MJ, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1306–11

Electrophysiological and pharmacological study of the inotropic effects of adrenaline, dopamine and tryptamine on frog atrial fibres. Ouedraogo CO, et al.
J Mol Cell Cardiol 1982 Feb;14(2):111–21

Effect of 5–methoxytryptophan and 5–methoxytryptamine on the reproductive system of the male golden hamster. Pévet P, et al. **J Neural Transm** 1981;51(3–4):303–11

The independency of an intact pineal gland of the inhibition by 5–methoxytryptamine of the reproductive organs in the male hamster. Pévet P, et al. **J Neural Transm** 1981; 52(1–2):95–106

Serotonin autoreceptors on dorsal raphe neurons: structure–activity relationships of tryptamine analogs. Rogawaski MA, et al. **J Neurosci** 1981 Oct;1(10):1148–54

Structure–activity relationships among hallucinogenic tryptamine derivatives evaluated by schedule–controlled behaviour. Harris RA, et al. **J Pharm Pharmacol** 1981 May; 33(5):320–2

Stability of Lambdoid bacteriophage heads: antagonism between polyamines and tryptamine. Deeb SS, et al.
J Virol 1982 Aug;43(2):753–5

A comparison of the responses of cortical neurones to iontophoretically applied tryptamine and 5–hydroxytryptamine in the rat. Jones RS.
Neuropharmacology 1982 Mar;21(3):209–14

A comparison of the behavioral effects of proteo–and deutero–N, N–dimethyltryptamine. Beaton JM, et al.
Pharmacol Biochem Behav 1982 May;16(5):811–4

Effects of 2,3–dioxoindoline on a behavioral syndrome after tryptamine in pargyline–treated mice. Kästner I, et al.
Pharmazie 1981 Oct;36(10):711

Agonist potencies of tryptamine derivatives at pre– and postjunctional receptors in canine saphenous vein. Müller–Schweinitzer E. **Postgrad Med J** 1981;57 Suppl 1:36–44

Interactions of trace amines with dopamine in rat striatum. Baker GB, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):577–80

Effects of selected opioid agonists and antagonists on DMT– and LSD–25–induced disruption of food–rewarded bar pressing behavior in the rat. Ruffing DM, et al.
Psychopharmacology (Berlin) 1981;75(3):226–30

Radioprotection of hemopoietic stem cells (CFUs) at partial irradiation. Bartoničková A, et al.
Radiobiol Radiother (Berl) 1981;22(5):653–8

[Radioprotective effect of cystamine and mexamine in 2 sequential cell divisions] Sidorov VP. **Radiobiologiia** 1981 May–Jun;21(3):368–73 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Use of mexamine for correcting epiphysis–hypophysis relationships in puerperae with disturbed lactation function in the 1st days of the puerperium] Rogovskaia TA.
Akush Ginekol (Mosk) 1981 Oct;(10):47–9 **(Rus)**

URINE

[Disorders of serotonin and tryptamine metabolism in suppurative lung diseases and lung cancer] Kononova LI, et al. **Sov Med** 1982;(4):13–7 (Eng. Abstr.) **(Rus)**

TRYPTOPHAN

Effect of monensin pretreatment on tryptophan–induced acute bovine pulmonary edema and emphysema. Hammond AC, et al. **Am J Vet Res** 1982 May;43(5):753–6

Chemical cleavage of tryptophanyl and tyrosyl peptide bonds via oxidative halogenation mediated by o–iodosobenzoic acid. Fontana A, et al. **Biochemistry** 1981 Nov 24; 20(24):6997–7004

Nuclear magnetic resonance study of dihydrofolate reductase labeled with [gamma–13C]tryptophan. Groff JP, et al.
Biochemistry 1981 Oct 13;20(21):6169–78

Assessment of the exposure and environments of tryptophanyl residues in ribosomal protein S1 by fluorescence quenching. Omar SB, et al. **Biochemistry** 1981 Oct 27;20(22):6371–8

Time–resolved fluorescence of the two tryptophans in horse liver alcohol dehydrogenase. Ross JB, et al.
Biochemistry 1981 Jul 21;20(15):4369–77

Time–resolved fluorescence and anisotropy decay of the tryptophan in adrenocorticotropin–(1–24). Ross JB, et al.
Biochemistry 1981 Jul 21;20(15):4361–9

Nature of phototransformation of phytochrome As probed by intrinsic tryptophan residues. Sarkar HK, et al.
Biochemistry 1982 Apr 13;21(8):1967–72

Pausing of RNA polymerase during in vitro transcription of the tryptophan operon leader region. Winkler ME, et al. **Biochemistry** 1981 Jun 23;20(13):3738–44

Melittin–phospholipid interaction studied by employing the single tryptophan residue as an intrinsic fluorescent probe. Georghiou S, et al. **Biochim Biophys Acta** 1982 Jun 14; 688(2):441–52

Tryptophan fluorescence of human hemoglobin. II. Effect of inositol hexaphosphate on the T–R transition. Mizukoshi H, et al. **Biochim Biophys Acta** 1982 Jan 18;700(2):143–7

Interresidue distance measurements in proteins. Fluorescent energy transfer between tryptophans and a Ru(III)(NH3)5–histidine complex in alpha–lytic protease and lysozyme. Recchia J, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):105–11

The role of the cysteinyl and one of the tryptophyl residues in the neurotoxic action of suberitine. Cariello L, et al.
Experientia 1981;37(8):801–3

Calculated tyrosyl circular dichroism of proteins: absence of tryptophan and cystine interferences in avian pancreatic polypeptide. Strassburger W, et al. **FEBS Lett** 1982 Mar 22;139(2):295–9

The lysine binding sites of human plasminogen. Evidence for a critical tryptophan in the binding site of kringle 4. Hochschwender SM, et al. **J Biol Chem** 1981 Nov 10; 256(21):11172–6

Tryptophan reactivity. Cooper A. **Methods Enzymol** 1982; 81:285–8

Relative contributions of tryptophan and tyrosine to the phosphorescence emission of human serum albumin at low temperatures. Waldmeyer J, et al. **Photochem Photobiol** 1982 Mar;35(3):299–304

[Mutagenicity of the reaction products of L–ascorbic acid and L–tryptophan (author's transl)] Kanamori H, et al.
Yakugaku Zasshi 1981 Jul;101(7):596–604 (Eng. Abstr.) **(Jpn)**

[Role of tryptophan in the enzymatic activity of histidine decarboxylase from Micrococcus sp. n.] Gonchar NA, et al. **Biokhimiia** 1981 Nov;46(11):1970–80 (Eng. Abstr.) **(Rus)**

[Properties and role of tryptophan residues in the polypeptide chain of elongation factor G from E. coli] Kashparov IA, et al. **Biokhimiia** 1981 Aug;46(8):1488–98 (Eng. Abstr.) **(Rus)**

[Significance of aromatic amino acid residues for certain functions of immunoglobulins] Bezvershenko IA, et al.
Ukr Biokhim Zh 1981 Sep–Oct;53(5):3–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

L–tryptophan–carbidopa trial in patients with long–standing progressive myoclonus epilepsy. Leino E, et al.
Acta Neurol Scand 1981 Aug;64(2):132–41

Dietary tryptophan reversal of septal lesion and 5,7–DHT lesion elicited shock–induced fighting. Kantak KM, et al.
Pharmacol Biochem Behav 1981 Sep;15(3):343–50

ADVERSE EFFECTS

Myoclonus and ocular oscillations induced by L–tryptophan. Baloh RW, et al. **Ann Neurol** 1982 Jan;11(1):95–7

Urinary hesitancy with therapeutic doses of L–tryptophan. Rubin TN. **Drug Intell Clin Pharm** 1981 Dec;15(12):996–8

ANALOGS & DERIVATIVES

Microcalorimetric study of the interaction of human and bovine serum albumins with tryptophan and tryptophan analogs. Phuong–Nguyen H, et al. **Can J Biochem** 1982 Feb;60(2):91–9

Liver cancer and precancerous changes in rats induced by the basic fraction of tryptophan pyrolysate. Matsukura N, et al. **Cancer Lett** 1981 Aug;13(3):181–6

Mutagenicities of gamma-carboline derivatives related to potent mutagens found in tryptophan pyrolysates. Nagao M, et al. **Carcinogenesis** 1980 May;1(5):451–4

Nuclear magnetic resonance study on solvent dependence of side chain conformations of tyrosine and tryptophan derivatives. Kobayashi J, et al. **Int J Pept Protein Res** 1981 Apr;17(4):486–94

Tryptophan analogues. 1. Synthesis and antihypertensive activity of positional isomers. Safdy ME, et al. **J Med Chem** 1982 Jun;25(6):723–30

Effect of 5-methoxytryptophan and 5-methoxytryptamine on the reproductive system of the male golden hamster. Pévet P, et al. **J Neural Transm** 1981;51(3–4):303–11

The pineal gland of the mole (Talpa europaea L.). VII. Activity of hydroxyindole-O-methyltransferase (HIOMT) in the formation of 5-methoxytryptophan, 5-methoxytryptamine, 5-methoxyindole-3-acetic acid, 5-methoxytryptophol and melantonin in the eyes and the pineal gland. Pévet P, et al. **J Neural Transm** 1981; 51(3–4):271–82

Inhibition of estrogen binding to rat alpha-fetoprotein by tryptophan p-nitrophenyl esters. Baker ME, et al. **J Steroid Biochem** 1982 Apr;16(4):503–7

Inhibition of diazepam binding by tryptophan derivatives including melatonin and its brain metabolite N-acetyl-5-methoxy kynurenamine. Marangos PJ, et al. **Life Sci** 1981 Jul 20;29(3):259–67

(+)-6-fluorotryptophan, an inhibitor of tryptophan hydroxylase: sleep and wakefulness in the rat. Nicholson AN, et al. **Neuropharmacology** 1981 Apr;20(4):335–9

Synthesis of photoreactive tryptophan analogs: enzymatic conversion of azidoindoles to azidotryptophans. Saito A, et al. **Prep Biochem** 1981;11(5):535–46

Changes in the rat sleep-wake cycle produced by DL-6-fluorotryptophan, a competitive inhibitor of tryptophan hydroxylase. Sugden D, et al. **Psychopharmacology (Berlin)** 1981;74(4):369–73

[Changes in the activity of an epileptogenic focus in the hippocampus of rats treated with the chief metabolites of tryptophan] Mikhailov IB. **Farmakol Toksikol** 1981 Mar-Apr;44(2):143–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Colorimetric determination of tryptophan: the effect of light on the acetic anhydride requirements. Nkonge C, et al. **Anal Biochem** 1982 May 1;122(1):6–9

Determination of tryptophan in feeds and feed ingredients by high-performance liquid chromatography. Jones AD, et al. **Analyst** 1981 Sep;106(1266):968–73

The amino acid composition of secreted mouse prolactin, growth hormone, and hamster prolactin: the presence of one tryptophan in mouse prolactin. Colosi P, et al. **Arch Biochem Biophys** 1981 Dec;212(2):759–61

The amino acid composition of Rhizobium meliloti flagellin: occurrence of a single tryptophan residue. Schleicher LR 3d, et al. **Biochem Biophys Res Commun** 1981 Jun; 100(4):1634–41

Quantitation of aromatic residues in proteins: model compounds for second-derivative spectroscopy. Levine RL, et al. **Biochemistry** 1982 May 25;21(11):2600–6

Intrinsic fluorescence spectra of a tryptophan–containing parvalbumin as a function of thermal, pH and urea denaturation. Permyakov EA, et al. **Biophys Chem** 1982 Apr;15(1):19–26

Tryptophan lens levels in senile cataract. Allegri G, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):340–3

The tryptophan-rich keratin protein fraction of claws of the lizard Varanus gouldii. Marshall RC, et al. **Comp Biochem Physiol [B]** 1982;71(4):623–8

Inducer and anti-inducer interactions with the lac repressor seen by nuclear magnetic resonance changes at tyrosines and tryptophans. Boschelli F, et al. **J Biol Chem** 1981 Nov 25;256(22):11595–9

Effects of lipid fluidity on quenching characteristics of tryptophan fluor scence in yeast plasma membrane. Esfahani M, et al. **J Biol Chem** 1982 Sep 10;257(17):9919–21

Linear mapping of tryptophan residues in Vesiculovirus M and N proteins by partial chemical cleavage. Brown E, et al. **J Virol** 1982 Apr;42(1):311–6

Time-resolved fluorescence spectra of tryptophan in monomeric glucagon. Cockle SA, et al. **Photochem Photobiol** 1981 Jul;34(1):23–7

[Changes in biological properties of botulinum neurotoxin a induced by chemical modification of its molecule by tryptophan and tyrosine] Shibaeva IV, et al. **Biokhimiia** 1981 May;46(5):825–31 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

New approach to tryptophan production by Escherichia coli: genetic manipulation of composite plasmids in vitro. Aiba S, et al. **Appl Environ Microbiol** 1982 Feb;43(2):289–97

Naturally occurring prototrophic strains of Salmonella typhi. Virgilio R, et al. **Can J Microbiol** 1981 Dec;27(12):1272–5

Regulation of tryptophan genes in Rhizobium leguminosarum Holmgren E, et al. **J Bacteriol** 1982 Mar; 149(3):1135–7

Production of amino acids by analog-resistant mutants of the cyanobacterium Spirulina platensis. Riccardi G, et al. **J Bacteriol** 1981 Sep;147(3):1002–7

Energy-dependent inactivation and modification of a tryptophan biosynthetic enzyme in Escherichia coli. Mosteller RD, et al. **J Biol Chem** 1982 Sep 10; 257(17):10184–90

Effects of DNA base analogs on transcription termination at the tryptophan operon attenuator of EScherichia coli. Farnham PJ, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):998–1002

BLOOD

Influence of plasma tryptophan on brain 5HT synthesis and serotonergic activity. Curzon G. **Adv Exp Med Biol** 1981; 133:207–19

Microdetermination of unbound tryptophan in plasma by a combination of ultrafiltration and high-performance liquid chromatography. Hijikata Y, et al. **Anal Biochem** 1981 Nov 15;118(1):10–6

Enrichment and high-performance liquid chromatography analysis of tryptophan metabolites in plasma. Morita I, et al. **Anal Biochem** 1981 Nov 15;118(1):142–6

Levels of total and free tryptophan in the plasma of endogenous and neurotic depressives. Schmid-Burgk W, et al. **Arch Psychiatr Nervenkr** 1981;231(1):35–9

Decreased drug binding in uraemia: effect of indoxyl sulphate and other endogenous substances on the binding of drugs and dyes to human albumin. Bowmer CJ, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):319–23

A kinetic analysis of L-tryptophan transport in human red blood cells. Rosenberg R. **Biochim Biophys Acta** 1981 Dec 7;649(2):262–8

Metabolism and serum levels of tryptophan in senile cataract patients. Costa C, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):333–9

Stereoselective binding of the enantiomers of warfarin and tryptophan to serum albumin from some different species studied by affinity chromatography on columns of immobilized serum albumin. Lagercrantz C, et al. **Comp Biochem Physiol [C]** 1981;69(2):375–8

Plasma tryptophan in humans with diabetic and senile cataracts. Cotlier E, et al. **Exp Eye Res** 1981 Sep; 33(3):247–52

Serum total tryptophan and free tryptophan concentration in Down's syndrome its relation to serum serotonin concentration. Hoshino Y, et al. **Fukushima J Med Sci** 1980 Jun;27(1–2):39–51

Serum tryptophan and cataract [letter] Chadwick C, et al. **Lancet** 1981 Sep 12;2(8246):583

Adrenergic influence on rat plasma concentrations of tyrosine and tryptophan. Eriksson T, et al. **Life Sci** 1982 Apr 26; 30(17):1465–72

Seasonal variation in plasma tryptophan in parturient women. Baker JM, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):515–8

Evaluation of the relative potency of individual competing amino acids to tryptophan transport in endogenously depressed patients. Møller SE. **Psychiatry Res** 198- Oct; 3(2):141–50

Tryptophan tolerance and metabolism in endogenous depression. Møller SE, et al. **Psychopharmacology (Berlin)** 1982;76(1):79–83

[Tryptophan in the blood in the acute phase of myocardial infarct] Petralito A, et al. **Boll Soc Ital Cardiol** 1980; 25(10):1221–5 (15 ref.) **(Ita)**

CEREBROSPINAL FLUID

The influence of age, height, and body weight on cerebrospinal fluid amine metabolites and tryptophan in women. Banki CM, et al. **Biol Psychiatry** 1981 Aug; 16(8):753–62

Simultaneous determination of 3,4-dihydroxyphenylalanine, 5-hydroxytryptophan, dopamine, 4-hydroxy-3-methoxyphenylalanine, norepinephrine, 3,4-dihydroxyphenylacetic acid, homovanillic acid, serotonin, and 5-hydroxyindoleacetic acid in rat cerebrospinal fluid and brain by high-performance liquid chromatography with electrochemical detection. Wagner J, et al. **J Neurochem** 1982 May;38(5):1241–54

Cerebrospinal fluid amine metabolites in delirium tremens. Banki CM, et al. **Psychiatr Clin (Basel)** 1981;14(3):167–77

[Measuring monoamine metabolites and tryptophan levels in the cerebrospinal fluid of alcohol-dependent patients] Bánki MC. **Orv Hetil** 1981 Oct 4;122(40):2463–9 **(Hun)**

DEFICIENCY

Effect on rats and mice of a diet with low tryptophan content (maize flour). Izquierdo JA, et al. **Acta Physiol Lat Am** 1979;29(4–5):239–43

Persistence of dihydrotestosterone inhibition of lordosis in estrogen-primed rats fed a tryptophan-deficient diet. Menniti FS, et al. **Brain Res Bull** 1981 Jul;7(1):1–4

Separation of lens proteins in rats with tryptophan deficiency cataracts. Koch HR, et al. **Exp Eye Res** 1982 Apr; 34(4):479–86

Learned aversions in rats fed a tryptophan-free diet. Treneer CM, et al. **Physiol Behav** 1981 Nov;27(5):757–60

GENETICS

Construction of new vectors for cloning of promoters. Enger-Valk BE, et al. **Gene** 1981 Dec;15(4):297–305

Cloning of small DNA fragments containing the Escherichia coli tryptophan operon promoter and operator. Russel DR, et al. **Gene** 1982 Jan;17(1):9–18

Regulation of tryptophan operon expression by attenuation in cell-free extracts of Escherichia coli. Das A, et al. **J Biol Chem** 1982 Aug 10;257(15):8795–8

TnA-directed deletion of the trp operon from RSF2124-trp in Escherichia coli. Tsunekawa H, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:93–102

Identification of trp-p2, an internal promoter in the tryptophan operon of Escherichia coli. Horowitz H, et al. **J Mol Biol** 1982 Apr 5;156(2):257–67

Nucleotide sequence of the trpD gene, encoding anthranilate synthetase component II of Escherichia coli. Horowitz H, et al. **J Mol Biol** 1982 Apr 5;156(2):245–56

Involvement of the nusB gene products in transcription of Escherichia coli tryptophan operon in vitro. Kuroki K, et al. **MGG** 1982;185(2):369–71

Transcript secondary structures regulate transcription termination at the attenuator of S. marcescens tryptophan operon. Stroynowski I, et al. **Nature** 1982 Jul 1; 298(5869):34–8

Superattenuation in the tryptophan operon of Serratia marcescens. Stroynowski I, et al. **Nature** 1982 Jul 1; 298(5869):38–41

The complete nucleotide sequence of the tryptophan operon of Escherichia coli. Yanofsky C, et al. **Nucleic Acids Res** 1981 Dec 21;9(24):6647–68 (62 ref.)

Synthetic sites for transcription termination and a functional comparison with tryptophan operon termination sites in vitro. Christie GE, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4180–4

Trp aporepressor production is controlled by autogenous regulation and inefficient translation. Kelley RL, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3120–4

Transcription termination at the tryptophan operon attenuator is decreased in vitro by an oligomer complementary to a segment of the leader transcript. Winkler ME, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2181–5

[Changes in the functional characteristics of the compound eye of the honeybee after mutations interfering with the metabolism of tryptophan] Gribakin FG, et al. **Neirofiziologiia** 1982;14(1):69–75 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

On the contribution of tryptophan to the affinity and specificity of anti-dinitrophenyl antibodies. Jackson WR, et al. **Mol Immunol** 1981 Jun;18(6):499–506

ISOLATION & PURIFICATION

Isolation of tryptophan, 5-HT, and 5HIAA from single brain areas using disposable columns packed with sephadex G-10 resin. Earley CJ. **J Pharmacol Methods** 1981 May; 5(3):185–92

METABOLISM

Tryptophan availability and the control of 5-hydroxytryptamine and tryptamine synthesis in human CNS. Young SN, et al. **Adv Exp Med Biol** 1981;133:221–30

Effect of leucine on tryptophan metabolism [letter] Narasinga Rao BS, et al. **Am J Clin Nutr** 1982 Jan;35(1):178–80

Tryptophan metabolism in alcoholic pellagra patients: measurements of urinary metabolites and histochemical studies of related muscle enzymes. Vannucchi H, et al. **Am J Clin Nutr** 1982 Jun;35(6):1368–74

Correlation of changes in brain indoleamine metabolism with onset of anorexia in rats. von Meyenfeldt M, et al. **Am J Surg** 1982 Jan;143(1):133–8

A comparative study of the binding of L-tryptophan and bilirubin by plasma proteins. Fellows FC, et al. **Arch Biochem Biophys** 1982 Jun;216(1):93–100

Tryptophan metabolism and its interaction with gluconeogenesis in mammals: studies with the guinea pig, Mongolian gerbil, and sheep. Muñoz-Clares RA, et al. **Arch Biochem Biophys** 1981 Jul;209(2):713–7

Quantitative autoradiographic study of tryptophane movement in guinea-pig submandibular glands. Matthews RW, et al. **Arch Oral Biol** 1981;26(11):911–4

The role of liver tryptophan pyrrolase in the opposite effects of chronic administration and subsequent withdrawal of drugs of dependence on rat brain tryptophan metabolism. Badawy AA, et al. **Biochem J** 1981 Apr 15;196(1):161–70

Effect of 4-hydroxypyrazole on tryptophan and formate metabolism in isolated rat liver cells. Cook JS, et al. **Biochem J** 1982 Apr 15;204(1):307–12

The metabolism of L-tryptophan by liver cells prepared from adrenalectomized and streptozotocin-diabetic rats. Smith SA, et al. **Biochem J** 1981 Dec 15;200(3):605–9

The effect of pyrazines on the metabolism of tryptophan and nicotinamide adenine dinucleotide in the rat. Evidence of the formation of a potent inhibitor of aminocarboxy-muconate-semialdehyde decarboxylase from pyrazinamide. Nasu S, et al. **Biochim Biophys Acta** 1981 Sep 18;677(1):109–19

Enzyme activities of tryptophan metabolism in heterozygous and homozygous Gunn rats before and after blue light exposure. De Antoni A, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1976–80

Effects of oestrogen administration on vitamin B6 and tryptophan metabolism in the rat. Bender DA, et al. **Br J Nutr** 1982 May;47(3):609–14

Probable mechanisms of regulation of the utilization of dietary tryptophan, nicotinamide and nicotinic acid as

precursors of nicotinamide nucleotides in the rat. Bender DA, et al. **Br J Nutr** 1982 Jul;48(1):119–27

Rapid reversal by naloxone of the chronic effects of morphine on rat liver and brain tryptophan metabolism. Badawy AA, et al. **Br J Pharmacol** 1981 Nov;74(3):511–3

Reversal by naloxone of the effects of chronic administration of drugs of dependence on rat liver and brain tryptophan metabolism. Badawy AA, et al. **Br J Pharmacol** 1981 Oct; 74(2):489–94

Mechanisms of elevation of rat brain tryptophan concentration by various doses of salicylate. Badawy AA. **Br J Pharmacol** 1982 May;76(1):211–3

Mechanism of decline in rat brain 5-hydroxytryptamine after induction of liver tryptophan pyrrolase by hydrocortisone: roles of tryptophan catabolism and kynurenine synthesis. Young SN. **Br J Pharmacol** 1981 Nov;74(3):695–700

Effect of dl-3-pyridylalanine on serotonin concentration and tryptophan-serotonin metabolizing enzymes in rats. Shimeno H, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct; 29(10):2940–8

The mechanism of tryptophan binding to tryptophan synthase from Escherichia coli. Lane AN, et al. **Eur J Biochem** 1981 Nov;120(2):379–87

Pharmacokinetics of tryptophan, renal handling of kynurenine and the effect of nicotinamide on its appearance in plasma and urine following L-tryptophan loading of healthy subjects. Møller SE. **Eur J Clin Pharmacol** 1981; 21(2):137–42

Effects of age on serum tryptophan and urine indican in adults given a tryptophan load test. Smith DF. **Eur J Drug Metab Pharmacokinet** 1982 Jan–Mar;7(1):55–8

Effect of psoralen-induced photodermatitis on tryptophan metabolism in guinea pigs. Allegri G, et al. **Farmaco [Sci]** 1981 Jul;36(7):557–64

Tryptophan metabolism by a papaverine-degrading Nocardia sp. Hauer B, et al. **Hoppe Seylers Z Physiol Chem** 1982 May;363(5):507–13

Unlikely role of tryptophan metabolites in glucose tolerance and gluconeogenesis in oral contraceptive and pyridoxine treated rats. Safaya S, et al. **Indian J Med Res** 1981 Aug; 74:236–43

Tryptophan metabolites [letter] Sur AM, et al. **Indian Pediatr** 1981 Apr;18(4):267–9

Relevance of tryptophan and tyrosine availability in endogenous and 'non-endogenous' depressives treated with imipramine or clomipramine. Møller SE, et al. **J Affective Disord** 1981 Sep;3(3):231–44

The stimulus-induced release of 5-hydroxytryptamine and tryptophan from superfused rat brain synaptosomes. Collard KJ, et al. **J Neural Transm** 1982;53(2–3):223–30

Acute and chronic phencyclidine administration effects on the conversion of 3H-tryptophan to 3H-serotonin in rat forebrain. Johnson KM. **J Neural Transm** 1982; 53(2–3):179–86

Effects of long-term low dietary tryptophan intake on determinants of 5-hydroxytryptamine metabolism in the brains of young rats. Ashley DV, et al. **J Neurochem** 1981 Dec;37(6):1385–93

Effect of nicotinamide intake on urinary excretion of N1-methylnicotinamide and oxidation of [7a-14C]tryptophan in the rat. Patterson JI, et al. **J Nutr** 1982 Apr;112(4):776–81

Effect of tryptophan intake on oxidation of [7a-14C]tryptophan and urinary excretion on N1-methylnicotinamide in the rat. Patterson JI, et al. **J Nutr** 1982 Apr;112(4):766–75

Effect of L-leucine-supplemented diet on the nicotinamide adenine dinucleotide content of rat liver. Sakakibara S, et al. **J Nutr** 1982 Sep;112(9):1688–95

The differences in growth and activity of the tryptophan-NAD pathway between Wistar and Sprague Dawley strains of rats fed on tryptophan-limited diet. Shibata K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb; 28(1):11–9

The respective roles of tryptophan uptake and tryptophan hydroxylase in the regulation of serotonin synthesis in the central nervous system. Hamon M, et al. **J Physiol (Paris)** 1981;77(2–3):269–79

Ethanol impairs tryptophan transport into the brain and depresses serotonin. Branchey L, et al. **Life Sci** 1981 Dec 28;29(26):2751–5

Acute effects of caffeine injection on neutral amino acids and brain monoamine levels in rats. Schlosberg AJ, et al. **Life Sci** 1981 Jul 13;29(2):173–83

Tryptophan availability, central serotonergic function and methionine sulphoximine-induced convulsions. Blizard DA, et al. **Neuropharmacology** 1982 Jan;21(1):27–30

Age- and sex-related changes of tryptophan accumulation in discrete areas of the rat brain. Valzelli L, et al. **Pharmacol Res Commun** 1982 Apr;14(4):349–58

Influence of unilateral ECT on tryptophan metabolism in endogenous depression. Smith DF, et al. **Pharmacopsychiatria** 1981 Jul;14(4):135–8

Effect of exposure to light in enzyme activities and tryptophan metabolites of the kynurenine pathway in Wistar, in heterozygous and homozygous adult and newborn Gunn rats. Allegri G, et al. **Photochem Photobiol** 1982 May;35(5):691–6

Kinetics of L-tryptophan in depressive patients: a possible correlation between the plasma concentrations of L-tryptophan and some psychiatric rating scales. Hoes MJ, et al. **Psychopharmacology (Berlin)** 1981;75(4):350–3

The effects of ethanol on rat liver and brain tryptophan metabolism. Badawy AA, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):507–15

[Effect of electro-acupuncture analgesia on the transport of tryptophan and tyrosine from plasma into brain (author's transl)] Zhang ZD, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):92–4 (Eng. Abstr.) **(Chi)**

[Tryptophan metabolism in patients with vitiligo] Costa C, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1933–9 (Eng. Abstr.) **(Ita)**

[The puerperium and dysnociception. III) Serotonin and beta-endorphin levels in pregnant rats fed L-tryptophan] Romiti A, et al. **Boll Soc Ital Biol Sper** 1981 Aug 30; 57(16):1719–21 (Eng. Abstr.) **(Ita)**

[Abnormal tryptophan metabolism and hepatic coma] Hirayama C, et al. **Nippon Rinsho** 1982;40(4):791–7 **(Jpn)**

[Tryptophan metabolism in psoriasis] Borisenko KK, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):6–10 (Eng. Abstr.) **(Rus)**

[Relation of lysine and tryptophan content to that of zein, during the germination of corn grain, and its possible link to the vegetative cycle of the plant] Martinez AB, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):607–33 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of tryptophan metabolites and metal ions on the purified kynureninase from rat liver. Takeuchi F, et al. **Acta Vitaminol Enzymol** 1981;3(4):224–30

Effect of tryptophan on transport properties of newborn rabbit jejunum. Cooke HJ, et al. **Am J Physiol** 1982 Apr; 242(4):G308–12

Spermatogenesis in rat: effect of L-tryptophan loading. Das TK, et al. **Andrologia** 1982 May–Jun;14(3):242–9

Comparison of the cardiovascular responses to intracerebroventricular administration of tryptamine, 5-hydroxytryptamine, tryptophan and 5-hydroxytryptophan in rats. Krstić MK, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):385–91

Tryptophan pyrrolase in haem regulation. The mechanism of the opposite effects of tryptophan on rat liver 5-aminolaevulinate synthase activity and the haem saturation of tryptophan pyrrolase. Badawy AA, et al. **Biochem J** 1981 Aug 15;198(2):309–14

Inhibition of benzodiazepine receptor binding by several tryptophan ad indole derivatives. Fehske KJ, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):3016–9

Quenching of enzyme-generated acetone phosphorescence by indole compounds: stereospecific effects of D- and L-tryptophan. Photochemical-like effects. Rivas-Suárez E, et al. **Biochemistry** 1981 Dec 22;20(26):7329–33

Interaction of tryptophan-modified analogues of cholecystokinin-octapeptide with cholecystokinin receptors on pancreatic acini. Adachi H, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):358–63

Hormonal control of the development of tryptophan oxygenase in primary cultures of young rat hepatocytes. Nakamura T, et al. **Biochim Biophys Acta** 1981 Nov 18; 678(1):91–7

Uptake of 5-hydroxytryptamine in the catecholamine containing areas of the hypothalamus of the rat after treatment with phenelzine and tryptophan. Arbuthnott GW, et al. **Br J Pharmacol** 1981 May;73(1):143–8

Induction of ornithine decarboxylase activity in mouse urinary bladder by L-tryptophan and some of its metabolites. Matsushima M, et al. **Cancer Res** 1982 Sep; 42(9):3587–91

Stress-modulated alteration of brain biogenic amines in the rat: effects of L-tryptophan. Quirce CM, et al. **Commun Psychopharmacol** 1980;4(5):371–7

Effect of Nin-formylation of the tryptophan residue on gastrin (HG-13) binding and on gastric acid secretion. Magous R, et al. **Eur J Pharmacol** 1982 Jan 8;77(1):11–6

Substrate induced alterations in tryptophan pyrrolase activity in two mouse strains. Peters RI, et al. **Experientia** 1982 May 15;38(5):535–6

Induction of coma in normal dogs by the infusion of aromatic amino acids and its prevention by the addition of branched-chain amino acids. Rossi-Fanelli F, et al. **Gastroenterology** 1982 Sep;83(3):664–71

Hepatic glucose metabolism in tryptophan-induced fatty liver. Rao PR, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):128–30

Increased serotonin level via augmented tryptophan diet and its effect on escape learning. Yehuda S, et al. **Int J Neurosci** 1981;15(4):193–6

Tryptophan overload in the pregnant rat: effect on brain amino acid levels in in vitro protein synthesis. Fando JL, et al. **J Neurochem** 1981 Oct;37(4):824–9

Protein intake regulation in adult obese (ob/ob) and lean mice: effects of nonprotein energy source and of supplemental tryptophan. Romsos DR, et al. **J Nutr** 1982 Mar;112(3):505–13

Effect of elevated dietary tryptophan on protein synthesis in rat liver. Sidransky H, et al. **J Nutr** 1981 Nov; 111(11):1942–8

Studies on the antihypertensive action of L-tryptophan. Sved AF, et al. **J Pharmacol Exp Ther** 1982 May;221(2):329–33

Effects of chronic methamphetamine administration on tryptophan hydroxylase activity, [3H]serotonin synaptosomal uptake, and serotonin metabolism in rat brain following systemic tryptophan loading. Trulson ME, et al. **Neuropharmacology** 1982 Jun;21(6):521–7

Neurotransmitter precursors and brain function. Conlay LA, et al. **Neurosurgery** 1982 Apr;10(4):524–9

L-Tryptophan's effects on mouse killing, feeding, drinking, locomotion, and brain serotonin. Gibbons JL, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):201–6

Differential effects of LSD serotonin and l-tryptophan on visually evoked responses. Strahlendorf JC, et al. **Pharmacol Biochem Behav** 1982 Jan;16(1):51–5

Effect of tryptophan administration on spontaneous and P-CPA-induced muricidal aggression in laboratory rats. Valzelli L, et al. **Pharmacol Res Commun** 1981 Oct; 13(9):891–7

Tryptophan protection of phage from ultraviolet irradiation. Larcom LL, et al. **Photochem Photobiol** 1981 Nov; 34(5):583–7

Behavioural and biochemical effects of tryptophan, tyrosine and phenylalanine in mice. Gibson CJ, et al. **Psychopharmacology (Berlin)** 1982;76(2):118–21

[Effect of DL-tryptophan on photic evoked potentials and basic activity of the EEG] Wenzel J, et al. **Acta Biol Med Ger** 1982;41(2–3):241–9 (Eng. Abstr.) **(Ger)**

[Effects of a tryptophan load on brain levels of serotonin in normal and diabetic rats] Masiello P, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):744–7 (Eng. Abstr.) **(Ita)**

[Effect of indoleacetic acid and tryptophan on the biosynthesis of biologically active substance in Fusarium moniliforme] Zakordonen LA, et al. **Mikrobiol Zh** 1982 Jan–Feb;44(1):82–4 **(Rus)**

[Role of tryptophan and histidine in alkaloid biosynthesis by Penicillium roqueforti] Kozlovskiĭ AG, et al. **Mikrobiologiia** 1982 Jan–Feb;51(1):48–53 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Modification of diazepam's antileptazol activity by endogenous tryptophan-like compounds. Vellucci SV, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):255–9

Threonine, tryptophan and histidine requirements of immature beagle dogs. Burns RA, et al. **J Nutr** 1982 Mar; 112(3):447–52

RADIATION EFFECTS

Effect of exposure to light in enzyme activities and tryptophan metabolites of the kynurenine pathway in Wistar, in heterozygous and homozygous adult and newborn Gunn rats. Allegri G, et al. **Photochem Photobiol** 1982 May;35(5):691–6

[Changes in the properties of the protein and nucleic acid components of an artificial nucleotide as affected by gamma and UV radiation] Kalabukhova TN, et al. **Radiobiologiia** 1981 Nov–Dec;21(6):912–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Tryptophan malabsorption in dementia. Improvement in certain cases after tryptophan therapy as indicated by mental behaviour and blood analysis. Lehmann J, et al. **Acta Psychiatr Scand** 1981 Aug;64(2):123–31

Tryptophan in the treatment of depression. Young SN, et al. **Adv Exp Med Biol** 1981;133:727–37

Serotoninergic agents in the treatment of isolated sleep paralysis. Snyder S, et al. **Am J Psychiatry** 1982 Sep; 139(9):1202–3

Does tryptophan potentiate clomipramine in the treatment of agoraphobic and social phobic patients? Pecknold JC, et al. **Br J Psychiatry** 1982 May;140:484–90

Effect of L-tryptophan on spasmodic torticollis. Lal S, et al. **Can J Neurol Sci** 1981 Nov;8(4):305–8

Interval therapy with L-tryptophan in severe chronic insomniacs. A predictive laboratory study. Schneider-Helmert D. **Int Pharmacopsychiatry** 1981; 16(3):162–73

Lithium + L-tryptophan compared with amitriptyline in endogenous depression. Honoré P, et al. **J Affective Disord** 1982 Mar;4(1):79–82

Anti-inflammatory effect of tryptophan in Selye pouch. Davis RH, et al. **J Am Podiatry Assoc** 1981 Dec; 71(12):690–1

Experiences with L-tryptophan in a child and family psychiatric department. Hoyse SE. **J Int Med Res** 1982; 10(3):157–9

[Changes in alcohol choice by chronically alcoholized cats as affected by tryptopham, its metabolites and preparations affecting its metabolism] Baskina NF, et al. **Farmakol Toksikol** 1982 Jan–Feb;45(1):70–6 (Eng. Abstr.) **(Rus)**

TOXICITY

The central-nervous-system toxicity of long-term oral administration of L-tryptophan to porto-caval-shunted rats. Bucci L, et al. **Br J Exp Pathol** 1982 Jun;63(3):235–41

URINE

Measurement of urinary tryptophan metabolites by reverse-phase high-pressure liquid chromatography. Tarr

JB. **Biochem Med** 1981 Dec;26(3):330–8

Effect of blue light on the urinary excretion of tryptophan metabolites in adult heterozygous and homozygous Gunn rats. Costa C, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15; 57(19):1969–75

[Tryptophan metabolites in urine in children with coeliac disease (author's transl)] Vlashki R, et al. **God Zb Med Fak Skopje** 1979 Jan;25:279–84 (Eng. Abstr.) **(Mac)**

TRYPTOPHAN HYDROXYLASE

ANALYSIS

[Express nonisotope method of determination of tryptophan hydroxylase activity in the brain] Kulikov AV. **Vopr Med Khim** 1982 Jan–Feb;28(1):135–9 **(Rus)**

ANTAGONISTS & INHIBITORS

Methamphetamine-induced depression of tryptophan hydroxylase: recovery following acute treatment. Bakhit C, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):229–33

Mechanism of irreversible inactivation of phenylalanine-4- and tryptophan-5-hydroxylases by [4-36Cl, 2-14C]p-chlorophenylalanine: a revision. Gál EM, et al. **Neurochem Res** 1982 Jan;7(1):13–26

Inhibition of tryptophan hydroxylase: neurochemical action of catecholamide seizure-inducing agent. Stine S, et al. **Neurochem Res** 1982 Jan;7(1):87–98

(+)-6-fluorotryptophan, an inhibitor of tryptophan hydroxylase: sleep and wakefulness in the rat. Nicholson AN, et al. **Neuropharmacology** 1981 Apr;20(4):335–9

Changes in the rat sleep-wake cycle produced by DL-6-fluorotryptophan, a competitive inhibitor of tryptophan hydroxylase. Sugden D, et al. **Psychopharmacology (Berlin)** 1981;74(4):369–73

GENETICS

Cloning characterization of iaaM, a virulence determinant of Pseudomonas savastanoi. Comai L, et al. **J Bacteriol** 1982 Jan;149(1):40–6

ISOLATION & PURIFICATION

Tryptophan 5-monooxygenase from mouse mastocytoma P815. A simple purification and general properties. Nakata H, et al. **Eur J Biochem** 1982 Jun;124(3):595–601

Purification and properties of tryptophan 5-monooxygenase from rat brain-stem. Nakata H, et al. **Eur J Biochem** 1982 Feb;122(1):41–7

Simple and rapid purification of tryptophan 5-monooxygenase from rabbit brain by affinity chromatography. Nakata H, et al. **J Biochem (Tokyo)** 1981 Aug;90(2):567–9

METABOLISM

Regulatory properties of neuronal tryptophan hydroxylase. Hamon M, et al. **Adv Exp Med Biol** 1981;133:231–51

Studies on the oxygen sensitivity of tryptophan hydroxylase. Kuhn DM, et al. **Adv Exp Med Biol** 1981;133:253–63

Developmental-regulatory aspects of brain tryptophan hydroxylase. Sze PY. **Adv Exp Med Biol** 1981;133:507–23

Blockade by haloperidol of the increase in tryptophan hydroxylase activity induced by incubation of slices of brain stem with dibutyryl cyclic AMP. Boadle-Biber MC. **Biochem Pharmacol** 1982 Jun 15;31(12):2203–7

Strain differences in kinetic and thermal stability of two mouse brain tryptophan hydroxylase activities. Knapp S, et al. **Brain Res** 1981 Dec 28;230(1–2):317–36

Maternal influences on tryptophan hydroxylase activity in embryonic rat brain. Lauder JM, et al. **Dev Neurosci** 1981; 4(4):291–5

A calmodulin-dependent protein kinase that is involved in the activation of tryptophan 5-monooxygenase is specifically distributed in brain tissues. Yamauchi T, et al. **FEBS Lett** 1981 Jun 29;129(1):117–9

Role of calmodulin in the activation of tryptophan hydroxylase. Kuhn DM, et al. **Fed Proc** 1982 May; 41(7):2258–64

Circadian variations in the activity of tyrosine hydroxylase, tyrosine aminotransferase, and tryptophan hydroxylase: relationship to catecholamine metabolism. Cahill AL, et al. **J Neurochem** 1981 Nov;37(5):1109–15

Ontogenesis of monoamine-synthesizing enzyme activities and biopterin levels in rat brain or salivary glands, and the effects of thyroxine administration. Kato T, et al. **J Neurochem** 1982 Apr;38(4):896–901

Stability properties of activated tryptophan hydroxylase from rat midbrain. Vitto A, et al. **J Neurochem** 1981 Sep; 37(3):601–7

The respective roles of tryptophan uptake and tryptophan hydroxylase in the regulation of serotonin synthesis in the central nervous system. Hamon M, et al. **J Physiol (Paris)** 1981;77(2–3):269–79

Mouse midbrain tryptophan hydroxylase: strain differences in variational properties. Knapp S, et al. **J Physiol (Paris)** 1981;77(2–3):281–2

Biopterin. VII. Inhibition of synthesis of reduced biopterins and its bearing on the function of cerebral tryptophan-5-hydroxylase in vivo. Gál EM, et al. **Neurochem Res** 1981 Mar;6(3):233–41

Effects of chronic methamphetamine administration on tryptophan hydroxylase activity, [3H]serotonin synaptosomal uptake, and serotonin metabolism in rat brain following systemic tryptophan loading. Trulson ME, et al. **Neuropharmacology** 1982 Jun;21(6):521–7

[Serotonin concentration and tryptophan-5-hydroxylase activity in the visual system of the rat brain during ontogeny] Uzbekov MG. **Ontogenez** 1981;12(1):58–65 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Diurnal variation in hypothalamic monoamines and plasma corticosterone in the turkey after inhibition of tyrosine hydroxylase or tryptophan hydroxylase. Martin JT, et al. **Neuroendocrinology** 1982 Mar;34(3):191–6

TRYPTOPHAN MONOOXYGENASE see **TRYPTOPHAN HYDROXYLASE**

TRYPTOPHAN OXYGENASE

ANTAGONISTS & INHIBITORS

Effects of protein-degradation inhibitors on the inactivation of tyrosine aminotransferase, tryptophan oxygenase and benzopyrene hydroxylase in isolated rat hepatocytes. Grinde B, et al. **Biochem J** 1982 Jan 15;202(1):191–6

BIOSYNTHESIS

Hormonal control of the development of tryptophan oxygenase in primary cultures of young rat hepatocytes. Nakamura T, et al. **Biochim Biophys Acta** 1981 Nov 18; 678(1):91–7

Mechanism of decline in rat brain 5-hydroxytryptamine after induction of liver tryptophan pyrrolase by hydrocortisone: roles of tryptophan catabolism and kynurenine synthesis. Young SN. **Br J Pharmacol** 1981 Nov;74(3):695–700

Control of actinomycin D biosynthesis in Streptomyces parvullus: regulation of tryptophan oxygenase activity. Foster JW, et al. **J Bacteriol** 1981 Nov;148(2):670–7

ISOLATION & PURIFICATION

A convenient and highly sensitive spectrophotometric assay for tryptophan 2,3-dioxygenase. Metzler H, et al. **Anal Biochem** 1982 Mar 15;121(1):10–6

METABOLISM

Effects of multivitamin treatment on the activity of rat liver tryptophan pyrrolase during ethanol administration. Ragusa N, et al. **Acta Vitaminol Enzymol** 1981;3(4):199–204

Regulation of synthesis and intracellular translocation of delta-aminolevulinate synthase by heme and its relation to the heme saturation of tryptophan pyrrolase in rat liver. Yamamoto M, et al. **Arch Biochem Biophys** 1981 Jul; 209(2):451–9

Effects of pyridoxine on hepatic tryptophan pyrrolase activity in rat during chronic ethanol administration. Ragusa N, et al. **Biochem Exp Biol** 1980;16(4):391–6

The role of liver tryptophan pyrrolase in the opposite effects of chronic administration and subsequent withdrawal of drugs of dependence on rat brain tryptophan metabolism. Badawy AA, et al. **Biochem J** 1981 Apr 15;196(1):161–70

Possible involvement of the enhanced tryptophan pyrrolase activity in the corticosterone- and starvation-induced increases in concentrations of nicotinamide-adenine dinucleotides (phosphates) in rat liver. Badawy AA. **Biochem J** 1981 Apr 15;196(1):217–24

Tryptophan pyrrolase in haem regulation. The mechanism of the opposite effects of tryptophan on rat liver 5-aminolaevulinate synthase activity and the haem saturation of tryptophan pyrrolase. Badawy AA, et al. **Biochem J** 1981 Aug 15;198(2):309–14

Enzyme activities of tryptophan metabolism in heterozygous and homozygous Gunn rats before and after blue light exposure. De Antoni A, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1976–80

Substrate induced alterations in tryptophan pyrrolase activity in two mouse strains. Peters RI, et al. **Experientia** 1982 May 15;38(5):535–6

Heme utilization by rat liver tryptophan pyrrolase as a screening test for exacerbation of hepatic porphyrias by drugs. Badawy AA. **J Pharmacol Methods** 1981 Sep; 6(2):77–85

[Changes in hepatic tryptophan pyrrolase activity and plasma 11-hydroxycorticosteroid levels in rats after single and protracted alcohol administration and withdrawal] Kiseleva IP, et al. **Farmakol Toksikol** 1981 May–Jun; 44(3):319–22 (Eng. Abstr.) **(Rus)**

[Changes in tryptophan pyrrolase activity in the rat liver after a single injection of the hepatocarcinogen 4-dimethylaminoazobenzene and its noncarcinogenic analog] Chernysheva MD, et al. **Tsitologiia** 1982 May; 24(5):615–7 (Eng. Abstr.) **(Rus)**

TRYPTOPHAN PYRROLASE see **TRYPTOPHAN OXYGENASE**

TRYPTOPHAN SYNTHASE

Kinetics of renaturation and self-assembly of intermediates on the pathway of folding of the beta 2-subunit of Escherichia coli tryptophan-synthetase. Zetina CR, et al. **J Mol Biol** 1982 May 5;157(1):133–48

GENETICS

Yeast gene TRP5: structure, function, regulation. Zalkin H, et al. **J Biol Chem** 1982 Feb 10;257(3):1491–500

METABOLISM

Circular dichroism studies on the interaction of tryptophan synthase with pyridoxal 5'-phosphate. Balk H, et al. **Biochemistry** 1981 Oct 27;20(22):6391–5

Guanidine hydrochloride induced unfolding of the alpha subunit of tryptophan synthase and of the two alpha proteolytic fragments: evidence for stepwise unfolding of the two alpha domains. Miles EW, et al. **Biochemistry** 1982 May 25;21(11):2586–92

Reconstitution of the isolated beta2-subunit of tryptophan synthase from Escherichia coli after dissociation induced by high hydrostatic pressure. Equilibrium and kinetic studies. Seifert T, et al. **Biophys Chem** 1982 Apr;15(1):1–8

Equilibrium and kinetic measurements of the binding of pyridoxal 5'-phosphate to hybrid tryptophan synthase from Escherichia coli. Balk H, et al. **Eur J Biochem** 1981 Dec; 121(1):105–12

The mechanism of tryptophan binding to tryptophan synthase from Escherichia coli. Lane AN, et al. **Eur J Biochem** 1981 Nov;120(2):379–87

Dependency on serine concentration of the activity of tryptophan synthase. Cooperative properties. Heilmann HD, et al. **Hoppe Seylers Z Physiol Chem** 1981 Dec; 362(12):1567–74

Genetic evidence for a positive-acting regulatory factor mediating induction in the tryptophan pathway of Pseudomonas aeruginosa. Manch JN, et al. **J Mol Biol** 1982 Mar 25;156(1):67–77

Interactions between tryptophan synthase from Escherichia coli and derivatives of the coenzyme pyridoxal 5'-phosphate. Merkl I, et al. **Z Naturforsch [C]** 1981 Sep–Oct;36(9–10):778–83

TRYPTOPHAN SYNTHASE INACTIVASE see under **PEPTIDE HYDROLASES**

TRYPTOPHAN SYNTHETASE see **TRYPTOPHAN SYNTHASE**

TRYPTOPHANASE see under **LYASES**

TRYPTOPHANYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TSETSE FLIES

Control of tsetse flies, Glossina spp. Dame DA, et al. **Adv Vet Sci Comp Med** 1981;25:101–19 (80 ref.)

A portable system for the in vitro feeding of tsetse flies. Dukes P, et al. **Ann Trop Med Parasitol** 1982 Feb; 76(1):93–103

A tsetse survey of Luuka and Kigulu counties of South Busoga District, Uganda, during an outbreak of African sleeping sickness. Kutuza SB, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):55–8

[Glossina morsitans submorsitans Newstead 1910, (Diptera muscidae) in a Sudan-Guinea savanna zone in Mali. I. Ecodistribution and seasonal fluctuations] Diallo A. **Rev Elev Med Vet Pays Trop** 1981;34(2):179–85 (Eng. Abstr.) **(Fre)**

[Pathological evaluation of 4 years of breeding domestic rabbits used as feeding hosts for tsetse flies (Glossina palpalis gambiensis Vanderplank 1949) in Upper Volta] Houchot A. **Rev Elev Med Vet Pays Trop** 1981;34(4):369–76 (Eng. Abstr.) **(Fre)**

[Presence of Glossina tachinoides Westwood, 1850 (Diptera, Glossininae) in the south of Togo] Mawuena K, et al. **Rev Elev Med Vet Pays Trop** 1981;34(1):47–53 (Eng. Abstr.) **(Fre)**

ANALYSIS

Two platelet aggregation inhibitors in tsetse (Glossina) saliva with studies of roles of thrombin and citrate in in vitro platelet aggregation. Mant MJ, et al. **Br J Haematol** 1981 Aug;48(4):601–8

ANATOMY & HISTOLOGY

Cuticular lesions in tsetse flies (Glossinidae:Diptera) of Kenya. Turner DA, et al. **J Invertebr Pathol** 1982 May; 39(3):403–6

Notes on midgut cell nuclear coats in various tsetse species. Ellis DS, et al. **J Trop Med Hyg** 1981 Oct;84(5):209–14

[Main ovario-uterine abnormalities in female Glossina palpalis gambiensis (Vanderplank 1949) in Bodo-Diulasso breeding units (Upper Volta)] Sellin E, et al. **Rev Elev Med Vet Pays Trop** 1980;33(3):295–302 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Traps to control and estimate populations of Glossina species. Ryan L, et al. **Tropenmed Parasitol** 1981 Sep;32(3):145–8

PARASITOLOGY

Probing by Glossina morsitans morsitans and transmission

of Trypanosoma (Nannomonas) congolense. Roberts LW. **Am J Trop Med Hyg** 1981 Sep;30(5):948–51

The susceptibility of Glossina palpalis palpalis at different ages to infection with Trypanosoma congolense. Distelmans W, et al. **Ann Soc Belg Med Trop** 1982 Mar; 62(1):41–7

The susceptibility of Glossina palpalis palpalis at different ages to infection with Trypanosoma congolense. Distelmans W, et al. **Ann Soc Belg Med Trop** 1982 Mar; 62(1):41–7

Inheritance of susceptibility to Trypanosoma congolense infection in Glossina morsitans. Maudlin I. **Ann Trop Med Parasitol** 1982 Apr;76(2):225–7

Studies by electron microscopy of the giant forms of some African and South American trypanosomes found other than within their mammalian host. Ellis DS, et al. **Folia Parasitol (Praha)** 1982;29(1):5–11

Studies on the transmission of a West African stock of Trypanosoma vivax to rabbits, rats, mice and goats by Glossina morsitans morsitans and G. m. centralis. Moloo SK. **Int J Parasitol** 1981 Jun;11(3):191–6

Presence of a peculiar pathway of glucose metabolism in infective forms of Trypanosoma brucei cultured from salivary glands of tsetse flies. Njogu RM, et al. **J Parasitol** 1981 Dec;67(6):847–51

Absence of detectable alteration in the kinetoplast DNA of a Trypanosoma brucei clone following loss of ability to infect the insect vector (Glossina morsitans). Hajduk SL, et al. **Mol Biochem Parasitol** 1981 Nov;4(1–2):17–28

Cyclical transmission of pathogenic Trypanosoma species by gamma-irradiated sterile male Glossina morsitans morsitans. Moloo SK. **Parasitology** 1982 Apr;84(Pt 2):289–96

Absence of a surface coat from metacyclic Trypanosoma vivax: possible implications for vaccination against vivax trypanosomiasis. Tetley L, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):409–14

Susceptibility to African trypanosomiasis of N'Dama and Zebu cattle in an area of Glossina morsitans submorsitans challenge. Murray M, et al. **Vet Rec** 1981 Dec 5; 109(23):503–10

[Observations on tsetse flies in a forest focus of human trypanosomiasis in Ivory Coast. 3. Dispersal and distribution of fly populations around a village (author's transl)] Gouteux JP, et al. **Tropenmed Parasitol** 1982 Jun; 33(2):119–28 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Comparative studies on fat reserves, feeding and metabolic strategies of flies from two allopatric populations of Glossina pallidipes Austen in Kenya. van Etten J. **Acta Trop (Basel)** 1982 Jun;39(2):157–69

Reproductive statistics of a natural population of Glossina morsitans centralis Vand. (Diptera: Glossinidae) in Zambia. Ryan L, et al. **Ann Trop Med Parasitol** 1982 Apr; 76(2):214–8

Sex recognition pheromone in the tsetse fly Glossina pallidipes Austen. Langley PA, et al. **Experientia** 1982 Apr 15;38(4):473–5

A preliminary investigation of the effect of age, sex and time of collection on the feeding patterns of Glossina morsitans morsitans Westw. in Zambia. Newberry K, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):79–82

The behaviour of Glossina morsitans morsitans near roads [letter] Newberry K. **Trans R Soc Trop Med Hyg** 1982; 76(2):281–2

ULTRASTRUCTURE

Cytogenetical aspects of morsitans tsetse flies with particular reference to Glossina pallidipes (Diptera, Glossinidae). Southern DI, et al. **Cytobios** 1981;30(119):135–52

Notes on midgut cell nuclear coats in various tsetse species. Ellis DS, et al. **J Trop Med Hyg** 1981 Oct;84(5):209–14

TSH see **THYROTROPIN**

TSUTSUGAMUSHI see **SCRUB TYPHUS**

TUBAL LIGATION see **STERILIZATION, TUBAL**

TUBE FEEDING see **ENTERAL FEEDING**

TUBER CINEREUM see under **HYPOTHALAMUS**

TUBERACTINOMYCIN B see **VIOMYCINS**

TUBERCIDIN see under **RIBONUCLEOSIDES**

TUBERCULIN

Interferon production in response to nonspecific and specific stimulation with purified protein derivative of tuberculin in uninfected and BCG-infected rabbits. Shibukawa N, et al. **Kitasato Arch Exp Med** 1980 Dec;53(3–4):111–20

[Productivity of tuberculin on Sauton culture medium and modified Sauton culture medium (author's transl)] Kobori N, et al. **Igaku Kenkyu** 1981 Apr;51(2):123–7 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Chemotherapy effectiveness using tuberculin, prodigiozan and pyrogenal in destructive pulmonary tuberculosis] Insanov AV. **Probl Tuberk** 1981 Oct;(10):31–2 (Eng. Abstr.) **(Rus)**

ANALYSIS

Preparation and characterization of a large batch of tuberculin purified protein derivate (PPD–CT68). Landi S, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):899–907

Mycobacterium tuberculosis tuberculin devoid of BCG common antigens. Stavri D, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):399–401

ANTAGONISTS & INHIBITORS

The reduction of tuberculin-induced pleurisy in the guinea-pig by a gold salt, chloroquine and D-penicillamine. Tarayre JP, et al. **J Pharm Pharmacol** 1981 Aug;33(8):540–3

IMMUNOLOGY

The relationship between age and sensitization to PPD-S and atypical mycobacterial antigens among school children in Lagos, Nigeria. Ogunmekan DA. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):15–20

Tuberculin hypersensitivity hepatitis in mice infected with Mycobacterium bovis (BCG). Ferluga J. **Am J Pathol** 1981 Oct;105(1):82–90

Characterization of a macrophage chemotactic lymphokine produced by purified protein derivative stimulation in vitro and in vivo. Honda M, et al. **Cell Immunol** 1982 Mar 1; 67(2):213–28

Enhancement of monocyte thromboplastin activity by antigenically stimulated lymphocytes: a link between immune reactivity and blood coagulation. van Ginkel CJ, et al. **Eur J Immunol** 1981 Jul;11(7):579–83

Enzyme-linked immunosorbent assay (ELISA) for antibodies to purified protein derivative of tuberculin (PPD). IgM-, IgA- and IgG- anti-PPD antibodies in active pulmonary tuberculosis. Viljanen MK, et al. **Eur J Respir Dis** 1982 May;63(3):257–62

Further study on relationship of anti-tuberculous protection to lung granulomata produced by intravenous injections of synthetic 6-0-mycoloyl-N-acetyl-muramyl-L-alanyl-D-isoglutami with or without specific antigens. Yamamoto K, et al. **Immunology** 1982 Jun;46(2):473–9

Effect of beryllium exposure on PPD cellular immunity in guinea pigs. Kagamimori S, et al. **Ind Health** 1981; 19(3):139–44

In vitro tuberculin reactivity of lymphocytes from patients with tuberculous pleurisy. Fujiwara H, et al. **Infect Immun** 1982 Feb;35(2):402–9

Tuberculin purified protein derivative-reactive T cells in cord blood lymphocytes. Shiratsuchi H, et al. **Infect Immun** 1981 Sep;33(3):651–7

Subpopulations of pig blood E-rosette-forming lymphocytes and thymus-dependent null cells: separation by nylon wool columns, rosette formation and macrophage-dependent mitogen and antigen responsiveness. Outteridge PM, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):18–24

Specificity of purified protein derivative extracts from cultures of mycobacteria killed by phenol. Choi CS, et al. **Res Vet Sci** 1981 Nov;31(3):284–8

[Course of tuberculin allergy in children vaccinated with BCG for the 1st time in the children revaccinated. IV. The development of tuberculin allergy in children vaccinated with BCG in infancy and tested annually from 1 to 5 years old] Krzyszkowska A, et al. **Pneumonol Pol** 1982 Dec;49(12):809–16 (Eng. Abstr.) **(Pol)**

[Role of a mixed herpes-viral and tubercular allergy in the pathogenesis of ophthalmic herpes] Slepova OS, et al. **Oftalmol Zh** 1981;36(3):139–42 (Eng. Abstr.) **(Rus)**

[Interpretation of the Mantoux test with 2 TU PPD-L in tuberculin reactions in children and adolescents and the method of determining tuberculosis infectivity] Mitinskaia LA, et al. **Probl Tuberk** 1981 Aug;(8):73–5 **(Rus)**

[Experimental study of the effect of specific hyposensitization on resistance to tuberculosis] Morozov VL, et al. **Probl Tuberk** 1982 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

[Determination of tuberculin sensitivity in children] Riabtseva VG. **Probl Tuberk** 1981 Jun;(6):14–7 (Eng. Abstr.) **(Rus)**

[Correlation between the LIF test with PPD and the skin tuberculin reaction in experimental tuberculosis in guinea pigs] Jovanović M, et al. **Glas Srp Akad Nauka [Med]** 1980; 315(32):229–35 **(Scc)**

PHARMACODYNAMICS

Activation of human lymphocytes by concanavalin A or purified protein derivative results in no alteration of fluorescence polarization of lipid probes although the electrophoretic mobility of the cells is changed. Parola AH, et al. **Biochim Biophys Acta** 1981 Dec 21;649(3):616–24

Proliferation of PPD-stimulated lymphocytes measured by sister chromatoid differential staining. Crossen PE, et al. **Clin Exp Immunol** 1981 Sep;45(3):642–5

STANDARDS

[Investigations on the equivalent of different tuberculin preparations] Mydlak G, et al. **Z Erkr Atmungsorgane** 1982; 158(1–2):224–32 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Comparative assessment of pathogenic agents in the combined treatment of respiratory organ tuberculosis] Karapetian ET, et al. **Probl Tuberk** 1982 Mar;(3):40–4 (Eng. Abstr.) **(Rus)**

TUBERCULIN TEST

The influence of topical steroid application on tuberculin skin reactions in healthy persons. Thestrup-Pedersen K, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):43–6

In vitro changes in cell mediated immunity following tuberculin skin testing in humans. Jensen JR, et al. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Apr; 90(2):109–16

Differential tuberculin testing in Lagos. Ogunmekan DA. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):21–6

Effects of levamisole on the tuberculin test. Vanella LM, et al. **Allergol Immunopathol (Madr)** 1981 Mar–Apr; 9(2):103–8

The tuberculin skin test. Snider DE Jr. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):108–18

Absence of the booster phenomenon in serial tuberculin skin testing. Valenti WM, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):323–5

Inflammation in a silicone-induced granuloma caused by a tuberculosis skin test. Lavey EB, et al. **Ann Plast Surg** 1981 Aug;7(2):152–4

The forgotten PPD [letter] Poe RH, et al. **Arch Intern Med** 1982 Jun;142(6):1238–9

Demonstration of accelerated and increased migration inhibition factor release in vivo in a PPD retest reaction. van Maarseveen AC, et al. **Int Arch Allergy Appl Immunol** 1982 Jan;67(1):1–6

'Boosted' tuberculin reactions among Cambodian refugees [letter] Alexander WJ, et al. **JAMA** 1982 Sep 10; 248(10):1177

Detecting tuberculin sensitivity [letter] **Lancet** 1982 Oct 2; 2(8301):768

Maternal transmission of skin sensitivity to tuberculin [letter] Masters PL. **Lancet** 1982 Jul 31;2(8292):276–7

Comparison of Mantoux, tine, and 'Imotest' tuberculin tests. Rudd RM, et al. **Lancet** 1982 Sep 4;2(8297):515–8

In vitro lymphocyte stimulation using a purified antigen of Mycobacterium leprae and tuberculin PPD. Closs O, et al. **Lepr Rev** 1981 Dec;52 Suppl 1:251–62

Positive tuberculin reactions among American elementary school children in Europe. James JJ, et al. **Milit Med** 1982 Mar;147(3):197–9

Inadvertent BCG administration--Tennessee, Michigan. **MMWR** 1982 May 28;31(20):274–5

Tuberculin skin-test conversions among Indochinese refugees--Monroe County, New York. **MMWR** 1981 Oct 2;30(38):485–7

Tuberculin sensitivity in kala-azar. Rees PH, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):630–1

Comparative skin testing the Cuna Indians of Panama. Larrabee WF, et al. **Trop Geogr Med** 1981 Dec;33(4):335–8

The pattern of age-specific tuberculin hypersensitivity in two groups of South African schoolchildren. Gatner EM, et al. **Tubercle** 1981 Sep;62(3):181–5

Multiple-puncture tuberculin testing: reason for variable response to tine test. Herzog C. **Tubercle** 1981 Dec; 62(4):249–56

Tuberculin dual testing in Panama. Larrabee WF Jr, et al. **Tubercle** 1980 Dec;61(4):239–43

Tuberculin tine tests: effect of variations in dried tuberculin coating. Lunn JA. **Tubercle** 1981 Dec;62(4):241–8

[The tuberculin test : how and why?] Franckx H, et al. **Arch Belg Med Soc** 1981 Jun;39(6):378–90 (Eng. Abstr.) **(Dut)**

[Cross-sectional tuberculin and radiophotographic survey of endemic tuberculosis in Kinshasa, Zaire (1978–1979)] Willame JC, et al. **Ann Soc Belg Med Trop** 1981 Dec; 61(4):489–501 (Eng. Abstr.) **(Fre)**

[Research on a new tuberculin series: Part 2. Immunologic spectrum of mycobacteria] Stanford JL, et al. **Bull Int Union Tuberc** 1981 Mar–Jun;56(1–2):38–41 **(Fre)**

[Research on a new tuberculin series: Part 1. Effects of age, residence, BCG vaccination and tuberculosis] Stanford JL, et al. **Bull Int Union Tuberc** 1981 Mar–Jun;56(1–2):31–7 **(Fre)**

[Interactions between intestinal schistosomiasis and tuberculin sensitivity] Rey JL, et al. **Bull Soc Pathol Exot Filiales** 1981 Jan–Feb;74(1):78–83 (Eng. Abstr.) **(Fre)**

[Skin reactions to tuberculin: history and present] de Haller R. **Rev Med Suisse Romande** 1982 Mar;102(3):283–7 **(Fre)**

[Comparison of skin reactions (Mantoux) made with 2 common tuberculins in Switzerland: diagnostic and epidemiologic implications] de Haller R. **Schweiz Med Wochenschr** 1981 Nov 14;111(46):1748–51 (Eng. Abstr.) **(Fre)**

[Practical application of tuberculin tests] Zimmermann A, et al. **Soz Praventivmed** 1981 Oct;26(5):300–1 (Eng. Abstr.) **(Ger)**

[Tuberculin and tuberculin testing] Bleiker MA. **Z Erkr Atmungsorgane** 1982;158(1–2):205–14 (Eng. Abstr.) **(Ger)**

[Effect of tuberculin antigen and indomethacin as well as prostaglandins on T-cell rosette formation] Katona Z, et al. **Orv Hetil** 1981 Nov 15;122(46):2827-9 **(Hun)**

[Tuberculin survey and its meaning for a correct prevention in a high risk population. Epidemiological data relative to students of the faculty of medicine and soldiers residing in Ferrara (author's transl)] Roncarati E, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):982-92 (Eng. Abstr.) **(Ita)**

[Tuberculin intradermoreaction as a survival test in patients with inoperable pulmonary carcinoma] Giorgis GE, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec;138(4):493-6 **(Ita)**

[Behavior of DNCB and tuberculin skin tests in relation to the various histological types of pulmonary cancer] Soresi V, et al. **Boll Ist Sieroter Milan** 1981 Jul 31;60(3):216-21 **(Ita)**

[Course of tuberculin allergy in children vaccinated with BCG for the 1st time in the children revaccinated. IV. The development of tuberculin allergy in children vaccinated with BCG in infancy and tested annually from 1 to 5 years old] Krzyszkowska A, et al. **Pneumonol Pol** 1982 Dec;49(12):809-16 (Eng. Abstr.) **(Pol)**

[Correlations between conventional allergometry and the Palmer types in interpretation of tuberculin skin tests] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct-Dec; 29(4):201-8 (Eng. Abstr.) **(Rum)**

[Value of the photostress method in the diagnosis of tuberculous chorioretinitis and uveitis] Vodovozov AM, et al. **Oftalmol Zh** 1981;36(5):282-4 (Eng. Abstr.) **(Rus)**

[Current aspects of tuberculin diagnosis] Mebe EB, et al. **Probl Tuberk** 1982 Mar;(3):9-16 (Eng. Abstr.) **(Rus)**

[Interpretation of the Mantoux test with 2 TU PPD-L in tuberculin reactions in children and adolescents and the method of determining tuberculosis infectivity] Mitinskaia LA, et al. **Probl Tuberk** 1981 Aug;(8):73-5 **(Rus)**

[Sensitivity to tuberculin and dinitrochlorobenzene] Pukhlik BM, et al. **Probl Tuberk** 1982 Mar;(3):77-8 **(Rus)**

[Determination of tuberculin sensitivity in children] Riabtseva VG. **Probl Tuberk** 1981 Jun;(6):14-7 (Eng. Abstr.) **(Rus)**

[Tuberculin sensitivity of children with different forms of respiratory tuberculosis] Vladimirova MI, et al. **Probl Tuberk** 1982 Mar;(3):76-7 **(Rus)**

[Correlation between the LIF test with PPD and the skin tuberculin reaction in experimental tuberculosis in guinea pigs] Jovanović M, et al. **Glas Srp Akad Nauka [Med]** 1980; 315(32):229-35 **(Scc)**

[Tuberculin sensitivity at coincidence of tuberculosis and chronic bronchitis (author's transl)] Badalik L, et al. **Bratisl Lek Listy** 1982 Jan;77(1):40-4 (Eng. Abstr.) **(Slo)**

[Sex-dependent sensitivity to tuberculin in adult patients with pulmonary tuberculosis (author's transl)] Badalik L, et al. **Bratisl Lek Listy** 1982 Jan;77(1):62-7 (Eng. Abstr.) **(Slo)**

[Effect of levamisole on tuberculin conversion in malnourished children (letter)] Vanella LM, et al. **Medicina (B Aires)** 1981;41(2):265-6 **(Spa)**

METHODS

[Focal vascular reaction in pulmonary tuberculosis to the subcutaneous tuberculin test] Ershov AI, et al. **Probl Tuberk** 1981 Oct;(10):41-3 (Eng. Abstr.) **(Rus)**

STANDARDS

Reproducibility of the Tine tuberculin test. Research Committee of the British Thoracic Association. **Br J Dis Chest** 1982 Jan;76(1):75-8

Some factors influencing the tuberculin tine test. Osborn TW. **Tubercle** 1982 Mar;63(1):45-54

[Tuberculin screening tests. Open comparative trial of Tine-Test and Monotest versus Mantoux 1:1000 (10 TU) in 119 outpatients] Herzog C, et al. **Schweiz Med Wochenschr** 1980 Nov 29;110(48):1817-21 (Eng. Abstr.) **(Ger)**

VETERINARY

Investigation of the possible role of the tuberculin intradermal test in the spread of enzootic bovine leukosis. Roberts DH, et al. **Vet Res Commun** 1981 Apr;4(4):301-5

[Use of allergological diagnosis in the elimination of tuberculosis from poultry kept in a small flock] Pavlas M. **Vet Med (Praha)** 1981 Dec;26(12):731-6 (Eng. Abstr.) **(Cze)**

TUBERCULIN-TYPE HYPERSENSITIVITY see **HYPERSENSITIVITY, DELAYED**

TUBERCULOMA

COMPLICATIONS

Isolated interventricular septal tuberculoma causing complete heart block. Wren C, et al. **Thorax** 1982 Feb;37(2):149-50

[Tuberculous granuloma in an amyloid goiter secondary to multiple myeloma] Martínez Vea A, et al. **Rev Clin Esp** 1981 Sep 30;162(6):283-5 **(Spa)**

DIAGNOSIS

Tuberculoma of the liver. Pendse AK, et al. **J Indian Med Assoc** 1981 May 1;76(9):175-6

Tuberculoma masquerading as a meningioma. Case report. Elisevich K, et al. **J Neurosurg** 1982 Mar;56(3):435-8

Solitary paravesical tuberculoma masquerading as bladder carcinoma. Kumar S, et al. **Tubercle** 1981 Jun;62(2):143-4

[A case of the mediastinal tuberculoma misdiagnosed as a malignant thymoma (author's transl)] Akao M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1982 Mar;30(3):420-3 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Nonspecific esterases activities of epithelioid cells in sarcoid granulomas and tuberculous granulomas (author's transl)] Onizuka O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep;18(9):605-10 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Prechiasmatic tuberculoma in a case of tuberculous meningitis accompanied by spinal and optochiasmatic arachnoiditis (author's transl)] Petit H, et al. **Rev Otoneuroophtalmol** 1981 Oct-Dec;53(5):453-8 (Eng. Abstr.) **(Fre)**

[Tuberculoma of the brain: a sequel of meningitis?] Piersantelli N, et al. **Pathologica** 1980 Sep-Oct; 72(1021):737-41 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Immune reactivity of patients with different variants of lung tuberculoma] Puzik VI, et al. **Sov Med** 1981;(9):9-11 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Sub-periosteal tuberculoma of the left lateral wall of orbit. Maria DL, et al. **Indian J Ophthalmol** 1981 Apr;29(1):47-9

[Histochemical and ultrastructural characteristics of the lymphoid and plasma cells in experimental tuberculous granuloma] Erokhin VV, et al. **Probl Tuberk** 1981 Nov; (11):50-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Inhibition of pulmonary granuloma formation in mice by treatment with Mycobacterial protoplasm and immuno-suppressants and its relation to protection against aerosol infection with virulent Mycobacterium tuberculosis. Yamamoto K, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):127-41

RADIOGRAPHY

Intracranial tuberculomas: correlation of computerized tomography with clinico-pathological findings. Loizou LA, et al. **Q J Med** 1982;51(201):104-14

Computerized tomography in the management of cerebral tuberculomas. Grabman JP, et al. **West J Med** 1980 Oct; 133(4):345-6

[A roentgenologic study of large pulmonary tuberculoma in 75 cases (author's transl)] Wang YW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1982 Feb;5(1):15-6 **(Chi)**

[Computed tomography in early diagnosis of tuberculous meningitis complications (author's transl)] Clivillé Pagés R, et al. **An Esp Pediatr** 1981 Jun;14(6):393-8 (Eng. Abstr.) **(Spa)**

[Tuberculoma of brain (author's transl)] Gil Pujades A, et al. **Arch Neurobiol (Madr)** 1981 Jul-Aug;44(4):239-46 (Eng. Abstr.) **(Spa)**

[Cerebral tuberculoma in adults. Apropos of 3 observations] Torres Martí A, et al. **Rev Clin Esp** 1981 Dec 15; 163(5):351-4 **(Spa)**

SURGERY

[Long-term results of surgery in 1,000 patients with pulmonary tuberculosis] Fridman DIa, et al. **Grudn Khir** 1981 Sep-Oct;(5):49-51 (Eng. Abstr.) **(Rus)**

[Relation between microcirculatory disorders and surgery in pulmonary tuberculosis] Struzhko IB. **Probl Tuberk** 1982 Feb;(2):31-6 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment of pulmonary tuberculoma] Anastas'ev VS. **Klin Med (Mosk)** 1981 Aug;59(8):32-6 (Eng. Abstr.) **(Rus)**

[Treatment organization and effectiveness with newly detected respiratory organ tuberculosis patients at machine-building plants] Nechaeva OB, et al. **Probl Tuberk** 1981 Oct;(10):5-9 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS

Ulcer of the hard palate. Brooks BJ Jr, et al. **JAMA** 1982 Feb 12;247(6):819-20

[Programm of the XXV World Conference of the UICT (Union Internationale Contre la Tuberculose). Buenos Aires, 21-24 April 1982. Abstracts] **Bull Int Union Tuberc** 1982 Mar;57(1):1-102 **(Fre)**

[Tuberculosis as a paradigm for feeling alive] Saueressig H. **Med Welt** 1982 Mar 26;33(12):428-34 **(Ger)**

[Report on the annual meeting of the International Union against Tuberculosis (IUaT), Paris, October, 2-7 1979] **Z Erkr Atmungsorgane** 1981;156(3):277-94 **(Ger)**

[Incidence of allergic symptoms in medical personnel of tuberculosis hospitals] Aronov GE. **Probl Tuberk** 1981 Dec; (12):13-6 (Eng. Abstr.) **(Rus)**

[Status and trends in biochemical research in Soviet phthisiatry (according to information contained in scientific reports and plans for scientific research)] Kaminskaia GO. **Probl Tuberk** 1982 Feb;(2):62-7 (Eng. Abstr.) **(Rus)**

BLOOD

Serum protein pattern in tuberculosis in children. Chatterji DN, et al. **J Indian Med Assoc** 1981 Jun 1;76(11):201-6

[Prevention of posttransfusion reactions in tuberculosis patients] Generalova RV, et al. **Probl Tuberk** 1982 May; (5):50-3 **(Rus)**

[Serum antitrypsin activity] Grigorian VG, et al. **Ter Arkh** 1982;54(4):30-3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Methodological instructions for classifying tuberculosis foci and for the performance and quality control of disinfection measures in tuberculosis] **Probl Tuberk** 1981 Jun;(6):64-75 **(Rus)**

COMPLICATIONS

Acquired Pelger-Huët nuclear anomaly with tuberculosis. Shenkenberg TD, et al. **Arch Intern Med** 1982 Jan; 142(1):153-4

[Development of an experimental tuberculous process in the presence of immune deficiency and immunostimulation] Shcherbakova NM, et al. **Biull Eksp Biol Med** 1981 Sep; 92(9):320-2 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Primary tuberculosis of the adenoids. Mahindra S, et al. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):173-80

Absence of the booster phenomenon in serial tuberculin skin testing. Valenti WM, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):323-5

The forgotten PPD [letter] Poe RH, et al. **Arch Intern Med** 1982 Jun;142(6):1238-9

Central nervous system systemic lupus erythematosus versus central nervous system infection: low cerebral spinal fluid glucose and pleocytosis in a patient with a prolonged course. Reinitz E, et al. **Arthritis Rheum** 1982 May; 25(5):583-7

Extrapulmonary tuberculosis. Lester TW. **Clin Chest Med** 1980 May;1(2):219-25 (7 ref.)

Tuberculous abscess of the pancreas. Stambler JB, et al. **Gastroenterology** 1982 Oct;83(4):922-5

Comparison of soluble antigen fluorescent antibody test with indirect haemagglutination tests in serodiagnosis of tuberculosis. Bhardwaj OP, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):70-7

Tuberculosis--the diagnostic challenge [editorial] Singhi S, et al. **Indian Pediatr** 1981 May;18(5):279-81

Tuberculosis of tongue (a case report). Sundaram P, et al. **J Assoc Physicians India** 1981 Jul;29(7):585-6

Tuberculous otitis media--a reminder. Glover SC, et al. **J Laryngol Otol** 1981 Dec;95(12):1261-4

Mycobacterial disease and the acid-fast smear. Manos JP, et al. **J SC Med Assoc** 1982 Jan;78(1):41-3

Mammary tuberculosis [letter] Guillet JL, et al. **Lancet** 1982 Jul 17;2(8290):166

Test your diagnostic skill: tuberculosis of the central nervous system. Oatey P, et al. **Med J Aust** 1981 Jul 25;2(2):68-72

Intracranial tuberculous abscess mimicking pyogenic brain abscess. Brückner O, et al. **Neurochirurgia (Stuttg)** 1981 Jul;24(4):147-9

The use of adenosine deaminase assays in the diagnosis of tuberculosis. Blake J, et al. **S Afr Med J** 1982 Jul 3; 62(1):19-21

The pattern of age-specific tuberculin hypersensitivity in two groups of South African schoolchildren. Gatner EM, et al. **Tubercle** 1981 Sep;62(3):181-5

Tuberculin dual testing in Panama. Larrabee WF Jr, et al. **Tubercle** 1980 Dec;61(4):239-43

Comparative studies on detergents - chlorhexidinum gluconicum, ditalan wo hc, sodium-laurylsulphate, laurosept, nekal bx - used for homogenization of diagnostic specimens in the microbiological diagnostic of tuberculosis. Pichula K, et al. **Z Erkr Atmungsorgane** 1981;156(3):255-66

[An investigation of the hospitalized patients with non-pulmonary tuberculosis in medical wards of a general hospital (author's transl)] Liu FK. **Chung Hua Nei Ko Tsa Chih** 1982 Apr;21(4):228-9 **(Chi)**

[Sensitivity, specificity and predictive value of diagnostic tests] Toman K. **Bull Int Union Tuberc** 1981 Mar-Jun; 56(1-2):19-30 **(Fre)**

[Pseudotumoral forms of tuberculosis of the upper aerodigestive tract and its lymphatic drainage area] Chobaut JC, et al. **J Fr Otorhinolaryngol** 1982 Mar; 31(3):157-68 (Eng. Abstr.) **(Fre)**

[Changes in the expert's assessment of tuberculosis. Traditional medical attitudes in expert testimony must be brought in line with the reality of improved therapy and prognosis] Wandelt-Freerksen E. **Fortschr Med** 1982 Mar 25;100(12):530-2 **(Ger)**

[Unrecognized atypical tuberculosepsis in generalized hematologic neoplasms] Müller K, et al. **Schweiz Med Wochenschr** 1980 Nov 29;110(48):1815-7 (Eng. Abstr.) **(Ger)**

[Tuberculin and tuberculin testing] Bleiker MA. **Z Erkr Atmungsorgane** 1982;158(1-2):205-14 (Eng. Abstr.) **(Ger)**

[Experiences in serological diagnosis of tuberculosis] Hudemann H. **Z Erkr Atmungsorgane** 1982;158(1-2):251-9 (Eng. Abstr.) **(Ger)**

[Investigations on the equivalent of different tuberculin preparations] Mydlak G, et al. **Z Erkr Atmungsorgane** 1982; 158(1-2):224-32 (Eng. Abstr.) **(Ger)**

[Extrapulmonary tuberculosis in a hemodialysis patient] Wishnitzer R, et al. **Harefuah** 1981 Apr 15;100(8):373 (Eng. Abstr.) **(Heb)**

[Basic knowledge of tuberculosis: The Education Committee Japanese Society for Tuberculosis] **Kekkaku** 1981 Mar; 56(3):85-108 **(Jpn)**

[Case of esophageal tuberculosis] Gemke GR, et al. **Klin Med (Mosk)** 1981 Feb;59(2):107-9 **(Rus)**

[Immunocytoadhesion and phagocytic activity of the leukocytes in the diagnosis of non-pulmonary tuberculosis] Isengel'dina BB, et al. **Probl Tuberk** 1981 Sep;(9):48-50 (Eng. Abstr.) **(Rus)**

[Current aspects of tuberculin diagnosis] Mebe EB, et al. **Probl Tuberk** 1982 Mar;(3):9-16 (Eng. Abstr.) **(Rus)**

[Errors in diagnosis of 'steroid' tuberculosis] Strukov AI, et al. **Ter Arkh** 1982;54(1):97-102 (Eng. Abstr.) **(Rus)**

[Hyperthermia in internal medicine] Vorob'ev AI, et al. **Ter Arkh** 1981;53(10):4-14 **(Rus)**

DRUG THERAPY

Management of extra-pulmonary tuberculosis (excluding miliary and meningeal) in south and west Wales (1976-8). Monie RD, et al. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):415-8

Severe cutaneous eruptions caused by thiacetazone used to treat tuberculosis in Rio Grande do Sul, Brazil. Public Health Dermatology Team, Tuberculosis Team, and Epidemiologic Control Unit, Rio Grande do Sul State Department of Health. **Bull Pan Am Health Organ** 1981; 15(2):113-20

Parenteral rifampicin in tuberculous and severe non-mycobacterial infections. Clinical data on 237 patients. Kissling M, et al. **Chemotherapy** 1982;28(3):229-39

Tuberculosis treated with rifampicin, ethambutol and isoniazid: Danish tuberculosis trial 1972-1974. Engbaek HC, et al. **Eur J Respir Dis** 1982 Mar;63(2):84-93

Adverse drug reactions in TB therapy: risks and recommendations. Yoshikawa TT, et al. **Geriatrics** 1982 Jul;37(7):61-8

Some thoughts on the present status and future prospects of chemotherapy of leprosy based on experience with treating tuberculosis. Acocella G. **Int J Lepr** 1981 Sep; 49(3):331-40

Selecting drug combinations for treatment of drug-resistant mycobacterial diseases. Nash DR, et al. **J Clin Pharmacol** 1982 Jul;22(7):297-300

Rimactan parenteral formulation in clinical use. Kissling M, et al. **J Int Med Res** 1981;9(6):459-9

Calcium metabolism during rifampicin and isoniazid therapy for tuberculosis. Perry W, et al. **J R Soc Med** 1982 Jul; 75(7):533-6

Pyrazinamide in tuberculosis [letter] Ormerod LP, et al. **Lancet** 1981 Dec 19-26;2(8260-61):1417

Pyrazinamide is a major antituberculosis drug [letter] Pretet S, et al. **Lancet** 1982 Feb 13;1(8268):399

Treatment of tuberculosis. Proust AJ. **Med J Aust** 1981 Oct 3;2(7):344-5

Tuberculosis chemotherapy, a review of current treatment regimens. Teo SK. **Singapore Med J** 1982 Feb;23(1):55-60 (36 ref.)

[Treatment of tuberculosis in Denmark] Heckscher T, et al. **Ugeskr Laeger** 1981 Feb 9;143(7):423 **(Dan)**

[Development of the cost of antitubercular drugs from 1964 to 1980: its influence on the choice of the treatment regimen tuberculosis in Algeria] Ait Khaled N, et al. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):170-4 **(Fre)**

[Sterilizing activity of the main drugs on the mouse experimental tuberculosis (author's transl)] Grosset J, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):444-8 (Eng. Abstr.) **(Fre)**

[Drug therapy of mycobacterial infections from the viewpoint of a bacteriologist] Urbanczik R. **Prax Klin Pneumol** 1982 Mar;36(3):135-40 **(Ger)**

[The effect of Robert Koch's discovery and investigations on the development of the therapy of tuberculosis] Eule H. **Z Erkr Atmungsorgane** 1982;158(1-2):155-62 (Eng. Abstr.) **(Ger)**

[Chemotherapy of tuberculosis (author's transl)] Ganguin HG. **Zentralbl Chir** 1982;107(5-6):260-6 **(Ger)**

[Chemotherapy of tuberculosis today] Lewitt T. **Harefuah** 1981 May 15;100(10):476-9 **(Heb)**

[Hepatotoxicity of the rifampicin-isoniazid combination in children (letter)] Bonora G, et al. **Minerva Pediatr** 1981 Aug 31;33(16):835-6 **(Ita)**

[Studies on the intensification of chemotherapeutic regimen in experimental tuberculosis (author's transl)] Mabuchi H. **Kekkaku** 1982 Feb 15;57(2):73-9 (Eng. Abstr.) **(Jpn)**

[Levamisole treatment of experimental tuberculosis] Aleksandrova AE, et al. **Probl Tuberk** 1981 Oct;(10):55-8 (Eng. Abstr.) **(Rus)**

[Effect of levamisole, splenin and thymosterin A on the immunocompetent cells of tuberculosis patients] Kogosova LS, et al. **Probl Tuberk** 1982 May;(5):60-4 **(Rus)**

[Therapeutic properties of tricarboxylic acid cycle metabolites in experimental pulmonary pathology] Maliuk VI, et al. **Probl Tuberk** 1981 Jul;(7):60-4 (Eng. Abstr.) **(Rus)**

[Abbreviated treatment of tuberculosis. Experience in large cities] Yañez A, et al. **Bol Of Sanit Panam** 1982 Feb; 92(2):127-42 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Tuberculosis in patients with systemic lupus erythematosus. Feng PH, et al. **Ann Rheum Dis** 1982 Feb;41(1):11-4

Tuberculosis in chronic renal failure [letter] Khan MA, et al. **Arch Intern Med** 1981 Oct;141(11):1554

Mycobacterial infections in renal transplant recipients. Seven cases and a review of the literature. Lloveras J, et al. **Arch Intern Med** 1982 May;142(5):888-92

Jejunoileal bypass for obesity: a risk factor for tuberculosis [editorial] Snider DE Jr. **Chest** 1982 May;81(5):531

Tuberculosis in dialysis patients. Belcon MC, et al. **Clin Nephrol** 1982 Jan;17(1):14-8

Tuberculosis in patients on hemodialysis. Leventhal Z, et al. **Isr J Med Sci** 1982 Feb;18(2):245-7

Intraoral and pulmonary tuberculosis following dental treatment. Smith WH, et al. **Lancet** 1982 Apr 10; 1(8276):842-4

Tuberculosis in maintenance haemodialysis patients. Study from an endemic area. Malhotra KK, et al. **Postgrad Med J** 1981 Aug;57(670):492-8

[Disseminated infection caused by Mycobacterium avium intracellulare] Dušek J, et al. **Cesk Patol** 1981 May; 17(2):101-8 (Eng. Abstr.) **(Cze)**

[Immunologic deficiency in a child and generalized BCG infection] Swanljung K, et al. **Duodecim** 1982;98(1):52-4 **(Fin)**

[Carpal tunnel syndrome due to mycobacterium bovis BCG (author's transl)] Janier M, et al. **Sem Hop Paris** 1982 Apr 22;58(16):977-9 (Eng. Abstr.) **(Fre)**

[Sociohygienic consequences of the elucidation of the etiology of tuberculosis by Robert Koch] Rothe J, et al. **Z Gesamte Hyg** 1982 Mar;28(3):176-9 (Eng. Abstr.) **(Ger)**

[Pathogenesis of extrapulmonary tuberculosis (author's transl)] Haenselt V. **Zentralbl Chir** 1982;107(5-6):295-300 (Eng. Abstr.) **(Ger)**

[A clinical study on 10 cases of tuberculosis developed in chronic dialysis patients (author's transl)] Inamoto H, et al. **Kekkaku** 1981 Mar;56(3):117-22 (Eng. Abstr.) **(Jpn)**

[A case of tracheo-bronchial tuberculosis induced by inhalation of corticosteroid (author's transl)] Wagai F, et al. **Kekkaku** 1982 Feb 15;57(2):89-93 (Eng. Abstr.) **(Jpn)**

[Susceptibility to Mycobacterium avium of C3H/He mice (author's transl)] Kawaguchi Y, et al. **Nippon Rai Gakkai Zasshi** 1981 Jul-Sep;50(3):128-34 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

[A study on the family contact examination of tuberculosis patients (fifth report) (author's transl)] Kameda K, et al. **Kekkaku** 1981 Nov;56(11):525-30 (Eng. Abstr.) **(Jpn)**

HISTORY

Robert Koch, tuberculosis, and the subsequent history of medicine. Daniel TM. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):1-3

Celebration and history: the centenary of Robert Koch's discovery of the tubercle bacillus. Benison S. **Bull Hist Med** 1982 Summer;56(2):157-9

Composers and tuberculosis: the effects on creativity. Abbott EC. **Can Med Assoc J** 1982 Mar 1;126(5):534, 536-8, 543-4

John Janvier Black (1837-1909): an ornament to his profession. Higgins A. **Del Med J** 1982 Apr;54(4):233-7

A centennial remembrance of Koch's discovery of the tubercle bacillus. Henderson AR. **Md State Med J** 1982 May;31(5):47-51

Centennial of Koch's bacillus. **NZ Med J** 1982 Jun 9; 95(709):384

Robert Koch: centenary of the discovery of the tubercle bacillus, 1882. Sakula A. **Thorax** 1982 Apr;37(4):246-51

Koch's bacillus. **Tubercle** 1982 Mar;63(1):1-2

Laennec: a great student of tuberculosis. Bishop PJ. **Tubercle** 1981 Jun;62(2):129-34

'Uber tuberkulose'. A tribute to Robert Koch's discovery of the tubercle bacillus, 1882. Grange JM, et al. **Tubercle** 1982 Mar;63(1):3-17

Koch's Tubercle Bacillus - a centenary reappraisal. Grange JM. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):297-307

[The tubercle bacterium known for a century; 1882 - 24 March - 1982 (Heinrich Hermann Robert Koch)] Meijer J. **Ned Tijdschr Geneeskd** 1982 Mar 13;126(11):488-9 **(Dut)**

[Translation of the article in which Robert Koch announced in 1882 the discovery of the tuberculosis bacillus] **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):95-109 **(Fre)**

[Centenary of the discovery of the tuberculosis bacillus by Robert Koch 1882-1982] **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):91-180 **(Fre)**

[Introduction to the etiology of tuberculosis] Krause AK. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):110-4 **(Fre)**

[Homage to Robert Koch. His life and work against tuberculosis] Steinbruck P. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):115-9 **(Fre)**

[100 years ago Robert Koch discovered the tuberculosis bacillus] Mayer R. **Rev Med Suisse Romande** 1982 Mar; 102(3):199-226 **(Fre)**

[Robert Koch--also a pioneer in immunological research? (author's transl)] Drössler K. **Allerg Immunol (Leipz)** 1982; 28(1):13-20 (Eng. Abstr.) **(Ger)**

[Tuberculosis and allergy. Steps of knowledge from the discovery of Mycobacterium tuberculosis by Robert Koch (24th of March, 1882) to a comprehensive immunodiagnostic, -therapy, and -prophylaxis (author's transl)] Findeisen DG. **Allerg Immunol (Leipz)** 1982; 28(1):3-12 (Eng. Abstr.) **(Ger)**

[100th anniversary of the discovery of tuberculin pathogens by Robert Koch] Sönnichsen N. **Dermatol Monatsschr** 1982 Mar;168(3):145-6 **(Ger)**

[Reviewer Robert Koch. The discoverer of the agent of tuberculosis as an expert reviewer in the first issue of the 'Fortschritte der Medicin'] **Fortschr Med** 1982 Jun 3; 100(21):1012-3 **(Ger)**

[Robert Koch and his heritage. Conditions, consequences and current importance of a historical achievement for medicine and health policy] Girstenbrey W. **Fortschr Med** 1982 Mar 25;100(12):541, 544-6 **(Ger)**

[Thoughts on the 100th anniversary of the discovery of the tuberculosis agent by Robert Koch] Koch T. **Gegenbaurs Morphol Jahrb** 1982;128(1):1-11 **(Ger)**

[Discovery of the tuberculosis bacillus 100 years ago] Mochmann H. **Kinderarztl Prax** 1982 Mar;50(3):113-6 (Eng. Abstr.) **(Ger)**

[Tuberculosis and art] Reimers D. **Med Welt** 1982 Mar 26; 33(12):435-41 **(Ger)**

[History of tuberculosis - philatelically illustrated] **MMW** 1982 Apr 23;124(16):92-3 **(Ger)**

[The discovery of the tuberculosis germ by Robert Koch 100 years ago] Weise W. **MMW** 1982 Mar 26; 124(12):299-300 **(Ger)**

[Biographical and literary notes on Robert Koch on the occasion of the 100th anniversary - 24 March 1982 - of the announcement of the discovery of the tubercle bacillus] Mochmann H. **Padiatr Grenzgeb** 1982;21(2):83-112 **(Ger)**

[The significance of the discovery of the tubercle bacillus for immunology and the study of diseases] Schneeweiss U. **Padiatr Grenzgeb** 1982;21(2):127-40 (Eng. Abstr.) **(Ger)**

[Tuberculosis in childhood - retrospective and prospective view (100 years since the discovery of the tubercle bacillus by Robert Koch)] Weingärtner L. **Padiatr Grenzgeb** 1982; 21(2):113-26 (Eng. Abstr.) **(Ger)**

[Tuberculosis etiology--its development and consequences (Robert Koch)] Freerksen E. **Prax Klin Pneumol** 1982 Mar; 36(3):122-34 **(Ger)**

[The significance of Robert Koch for Japanese medicine--tuberculosis research in Japan] Fujita S. **Prax Klin Pneumol** 1982 Mar;36(3):111-5 **(Ger)**

[100 years of tuberculosis control in China. A short historical review] Hsu-Yu H. **Prax Klin Pneumol** 1982 Mar; 36(3):116-21 (86 ref.) **(Ger)**

[Robert Koch. Remarks on today's views] Lock W. **Prax Klin Pneumol** 1982 Mar;36(3):106-10 **(Ger)**

[A hundred years ago: Robert Koch discovers the agent of tuberculosis] Sackmann W. **Schweiz Arch Tierheilkd** 1982 May;124(5):217-25 **(Ger)**

[A historical turning-point in the history of natural science and medicine. 100th anniversary of the discovery of Mycobacterium tuberculosis by Robert Koch] Winter K. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):229-30 **(Ger)**

[Problems of the pathogenesis and of the pathology of tuberculosis once and at present] Kühne W. **Z Erkr Atmungsorgane** 1982;158(1-2):36-46 (Eng. Abstr.) **(Ger)**

[Robert Koch and his work. Its effects to the control of tuberculosis] Steinbrück P. **Z Erkr Atmungsorgane** 1982; 158(1-2):5-23 **(Ger)**

[Sociomedical consequences of Robert Koch's work at Halle] Kaiser W, et al. **Z Gesamte Hyg** 1982 Mar;28(3):179-84 (Eng. Abstr.) **(Ger)**

[Virchow contra Koch? New studies of an old point of controversy] Lammel HU. **Z Gesamte Hyg** 1982 Mar; 28(3):206-10 (Eng. Abstr.) **(Ger)**

[100 years ago Robert Koch described the tuberculosis germ] Kaiser W. **Z Gesamte Inn Med** 1982 Mar 1;37(5):137-44 (Eng. Abstr.) **(Ger)**

[The Etiology of Tuberculosis by Dr. Robert Koch. From the Berliner Klinische Wochenschrift, Volume 19 (1882)] **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):287-96 **(Ger)**

[100th anniversary of Robert Koch's discovery of Mycobacterium tuberculosis (author's transl)] Kreibich H. **Zentralbl Gynakol** 1982;104(5):258-67 (Eng. Abstr.) **(Ger)**

[60th anniversary of the Central Institute of Tuberculosis of the Ministry of Public Health] **Probl Tuberk** 1982 May; (5):3-7 **(Rus)**

[Importance of Robert Koch's discovery for the development of the bacteriology of tuberculosis] **Probl Tuberk** 1982 Mar; (3):3-7 **(Rus)**

[50th anniversary of the Sverdlovsk Tuberculosis Research Institute] Bedrin AV, et al. **Probl Tuberk** 1982 May;(5):75-8 **(Rus)**

[100th anniversary of the discovery of the tuberculosis pathogen by Robert Koch (1882–1982)] Solov'eva VA. **Sov Med** 1982;(3):120–2 **(Rus)**

IMMUNOLOGY

In vitro experiments for the interpretation of granuloma formation in tuberculosis. Stiehl P. **Agents Actions [Suppl]** 1982;10:289–301

Tuberculin hypersensitivity hepatitis in mice infected with Mycobacterium bovis (BCG). Ferluga J. **Am J Pathol** 1981 Oct;105(1):82–90

Absence of antibodies to muramyl dipeptide in patients with tuberculosis or leprosy. Bahr GM, et al. **Clin Exp Immunol** 1982 Jan;47(1):53–8

Production of a suppressor factor by adherent cells from Mycobacterium tuberculosis–infected guinea-pigs. Wadee AA, et al. **Clin Exp Immunol** 1981 Aug;45(2):427–32

BCG-induced enhancement of endotoxin sensitivity in C3H/HeJ mice. II. T cell modulation of macrophage sensitivity to LPS in vitro. Vogel SN, et al. **Immunobiology** 1982 Feb;160(5):479–93

The effect of delayed addition of antigen and 'E' rosetting on the proliferative response to mycobacterial antigens of peripheral blood lymphocytes from normal individuals or from patients with tuberculosis or leprosy. Bahr GM, et al. **Immunology** 1981 Nov;44(3):585–91

Mechanisms of action of Mycobacterium bovis BCG–induced suppressor cells in mitogen-induced blastogenesis. Turcotte R, et al. **Infect Immun** 1982 Apr;36(1):263–70

Immunogenetics of susceptibility to leprosy, tuberculosis, and leishmaniasis. An epidemiological perspective. Fine PE. **Int J Lepr** 1981 Dec;49(4):437–54

Maternal transmission of skin sensitivity to tuberculin [letter] Masters PL. **Lancet** 1982 Jul 31;2(8292):276–7

Circulating immune complexes in tuberculosis. Johnson NM, et al. **Thorax** 1981 Aug;36(8):610–7

Induction of resistance to tuberculosis in mice with defined components of Mycobacteria and with some unrelated materials. Ribi E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):345–56

[The role of active T lymphocytes in human immunity to tuberculosis infection in man (author's transl)] Cheng RF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 May;15(2):98–105 (Eng. Abstr.) **(Chi)**

[Cellular mediated and humoral immunity of tuberculosis] Awerbach MM, et al. **Z Erkr Atmungsorgane** 1982; 158(1–2):243–50 (Eng. Abstr.) **(Ger)**

[Host lipids in tuberculous infection. IV. Supplementary problems and a summary (author's transl)] Kanai K, et al. **Kekkaku** 1981 May;56(5):257–62 (Eng. Abstr.) **(Jpn)**

[Effect of splenin on the development of tuberculin shock and Bordet's phenomenon in guinea pigs] Chernushenko EF, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):583–5 (Eng. Abstr.) **(Rus)**

[Effect of methylene diphosphonic acid on the immunological reactivity of guinea pigs infected with tuberculosis] Chumak AA, et al. **Farmakol Toksikol** 1981 Nov–Dec; 44(6):710–3 **(Rus)**

[Immunodepressant study of the mechanisms of antitubercular immunity] Averbakh MM, et al. **Probl Tuberk** 1981 Oct;(10):53–5 (Eng. Abstr.) **(Rus)**

[Effect of levamisole on the immunological reactivity of mice infected with tuberculosis] Chumak AA, et al. **Probl Tuberk** 1981 Oct;(10):58–62 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of specific hyposensitization on resistance to tuberculosis] Morozov VL, et al. **Probl Tuberk** 1982 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

[Dynamics of the rosette formation indices in the experimental tuberculosis chemotherapy process] Sibirnaia RI. **Probl Tuberk** 1981 Jun;(6):54–7 (Eng. Abstr.) **(Rus)**

[Correlation between the LIF test with PPD and the skin tuberculin reaction in experimental tuberculosis in guinea pigs] Jovanović M, et al. **Glas Srp Akad Nauka [Med]** 1980; 315(32):229–35 **(Scc)**

[Lymphoregulatory function of macrophage products in experimental BCG infection] Ramić Z, et al. **Glas Srp Akad Nauka [Med]** 1981;326(34):143–54 (Eng. Abstr.) **(Scc)**

[Epidemiologic importance of hepatitis B antigen carrier state (author's transl)] Cervenka J, et al. **Bratisl Lek Listy** 1981 Dec;76(6):641–8 (Eng. Abstr.) **(Slo)**

METABOLISM

Hydrogen peroxide and superoxide release by alveolar macrophages from normal and BCG-vaccinated guinea-pigs after intravenous challenge with Mycobacterium tuberculosis. Jackett PS, et al. **Br J Exp Pathol** 1981 Aug;62(4):419–28

[Host lipids in tuberculous infection. III. Long-chain fatty acids against tubercle bacilli (author's transl)] Kondo E, et al. **Kekkaku** 1981 Mar;56(3):109–15 (Eng. Abstr.) **(Jpn)**

[Modification of the fatty acid pattern of phagocytic cell phospholipids and the course of tuberculous infection in mice fed with diets deficient in essential fatty acids (author's transl)] Kondo E, et al. **Kekkaku** 1981 Sep;56(9):423–8 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

False positive direct films in tuberculosis bacteriology. Collins CH, et al. **Med Lab Sci** 1981 Mar;38(2):129–31

Environmental sources of Mycobacterium avium for infection of animals and man. Songer JG. **Proc Annu Meet US Anim Health Assoc** 1980;84:528–35

A study of bovine strains of Mycobacterium tuberculosis isolated from humans in South-East England, 1977–1979. Collins CH, et al. **Tubercle** 1981 Jun;62(2):113–6

[Role of Mycobacterium tuberculosis in bovine tuberculosis] Boulahbal F, et al. **Arch Inst Pasteur Alger** 1978–79; 53:155–64 (Eng. Abstr.) **(Fre)**

MORTALITY

[Current deaths due to tuberculosis in France. Analysis of 126 deaths recorded in tuberculosis sufferers in 1975 and 1976 in the Bas-Rhin region (author's transl)] Charbonneau J, et al. **Poumon Coeur** 1981;37(3):219–22 (Eng. Abstr.) **(Fre)**

[The development of tuberculosis during the last 100 years with special regard to the epidemiological situation in the German Democratic Republic (author's transl)] Landmann H. **Zentralbl Chir** 1982;107(5–6):273–84 **(Ger)**

OCCURRENCE

Tuberculosis risk for hospital employees: analysis of a five-year tuberculin skin testing program. Berman J, et al. **Am J Public Health** 1981 Nov;71(11):1217–22

Foreign-born persons with tuberculosis in the United States. Powell KE, et al. **Am J Public Health** 1981 Nov; 71(11):1223–7

Epidemiology of tuberculosis. Comstock GW. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):8–15

A dynamic model of tuberculosis epidemiology for Singapore. Goh EH, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):40–9

Notification of tuberculosis: a code of practice for England and Wales. Joint Tuberculosis Committee of the British Thoracic Association. **Br Med J [Clin Res]** 1982 May 15; 284(6327):1454–6

Tuberculosis in refugees from Southeast Asia. Vu DM, et al. **Chest** 1982 Aug;82(2):133–5

Non-respiratory tuberculosis. Innes JA. **R Coll Physicians Lond** 1981 Oct;15(4):227–31

A tuberculosis outbreak in Deal, Kent. Jones JS. **Lancet** 1982 May 8;1(8280):1060–1

Tuberculosis morbidity among foreign-born and american-born residents of Maryland: a comparative study. Dash LA, et al. **Md State Med J** 1981 Jul;30(7):62–4

Positive tuberculin reactions among American elementary school children in Europe. James JJ, et al. **Milit Med** 1982 Mar;147(3):197–9

Changing epidemiology of tuberculosis in St. Paul, Minnesota 1978–1980. Godes JR, et al. **Minn Med** 1981 Dec; 64(12):764–8

Tuberculosis among Hispanics in the United States—1980. **MMWR** 1982 May 14;31(18):237–9

Infections in nursing homes [letter] **N Engl J Med** 1982 Feb 4;306(5):302–3

The prevalence of tuberculosis and drug resistance among Haitians. Pitchenik AE, et al. **N Engl J Med** 1982 Jul 15; 307(3):162–5

The status of tuberculosis control in New York City. Vennema A. **Public Health Rep** 1982 Mar–Apr; 97(2):127–33

The consequences of Robert Koch's Discovery for countries with a high prevalence of tuberculosis. Larbaoui D, et al. **Z Erkr Atmungsorgane** 1982;158(1–2):66–75

[Tuberculosis epidemiology: findings in West Flanders (1977–1979)] Balliere A, et al. **Arch Belg Med Soc** 1981 Jun;39(6):368–77 (Eng. Abstr.) **(Dut)**

[The number of tuberculosis patients in the world has increased in the past 30 years] Styblo K. **Ned Tijdschr Geneeskd** 1982 Mar 13;126(11):486–7 **(Dut)**

[Review of the morbidity and mortality of tuberculosis based on data officially reported throughout the world (1967–1971–1977)] Bulla A. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):122–8 **(Fre)**

[Natural evolution of tuberculosis. Some characteristics of this evolutionary tendency in a developing country: Uruguay] Fossemale JR, et al. **Bull Int Union Tuberc** 1981 Mar-Jun;56(1-2):41–7 **(Fre)**

[Tuberculosis throughout the world (editorial)] Rouillon A. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):120–1 **(Fre)**

[Bronchial tuberculosis, a disease on the road to extinction] Aguet F. **Rev Med Suisse Romande** 1982 Mar;102(3):265–9 **(Fre)**

[Epidemiology and etiology of tuberculosis since Robert Koch. A complex combination of causes requires complex strategies for tuberculosis control] Schmid PC. **Fortschr Med** 1982 Mar 25;100(12):499–503 **(Ger)**

[Epidemiology of tuberculosis. Development since the discovery of the microbe, current status in West Germany and expected further developments] Lukas W. **Med Welt** 1982 Mar 26;33(12):442–9 **(Ger)**

[Epidemiological development of tuberculosis in West Germany in the years from 1972 to 1979 based on the incidence of tuberculosis requiring treatment] Lukas W. **Off Gesundheitswes** 1982 May;44(5):270–87 **(Ger)**

[The role of Mycobacterium bovis in epidemiology of tuberculosis] Krebs A, et al. **Z Erkr Atmungsorgane** 1982; 158(1–2):101–9 (Eng. Abstr.) **(Ger)**

[The development of tuberculosis epidemiology in the German Democratic Republic] Steinbrück P, et al. **Z Erkr Atmungsorgane** 1982;158(1–2):81–94 (Eng. Abstr.) **(Ger)**

[The present tuberculosis situation in developing countries] Styblo K. **Z Erkr Atmungsorgane** 1982;158(1–2):63–5 (Eng. Abstr.) **(Ger)**

[Tuberculosis as an occupational disease] Konetzke G, et al. **Z Gesamte Hyg** 1982 Mar;28(3):149–53 (Eng. Abstr.) **(Ger)**

[Epidemiological study of extrapulmonary tuberculosis in patients receiving dialysis (author's transl)] Inamoto H. **Kekkaku** 1981 Sep;56(9):441–4 (Eng. Abstr.) **(Jpn)**

[Incidence of extrapulmonary tuberculosis in urban and rural areas of Kazakhstan] Maskeev KM, et al. **Probl Tuberk** 1981 Aug;(8):7–9 (Eng. Abstr.) **(Rus)**

[Juvenile tuberculosis in Arica] González M, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):218–23 (Eng. Abstr.) **(Spa)**

[Tuberculosis in the northern region of the country. Epidemiological predictions and operative strategies] Cano Pérez G, et al. **Salud Publica Mex** 1981 Mar–Apr; 23(2):159–78 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Tuberculous brain abscess. Sandhyamani S, et al. **Acta Neurochir (Wien)** 1981;59(3–4):247–56

Late generalized tuberculosis: a clinical and pathologic analysis of a diagnostic puzzle and a changing pattern. Slavin RE. **Pathol Annu** 1981;16 Pt 1:81–99

Primary tuberculosis of the nose. Sharan R. **Practitioner** 1981 Oct;225(1360):1506–7

[Biopsy of labial accessory salivary glands and tuberculosis (letter)] Milleron B, et al. **Nouv Presse Med** 1982 Apr 10; 11(17):1337 **(Fre)**

[Clinical aspects of tuberculosis as seen by the clinician] Humair L. **Rev Med Suisse Romande** 1982 Mar; 102(3):289–93 **(Fre)**

[Tuberculous aorto-esophageal fistula—a rare cause of hemorrhage in the esophagus] Claussnitzer R, et al. **Zentralbl Chir** 1982;107(8):473–6 **(Ger)**

[Clinically primary tuberculosis of the tongue] Bonifazi F, et al. **Minerva Med** 1982 May 12;73(20):1349–52 **(Ita)**

[Tuberculous brain abscess. A case report (author's transl)] Tanaka M, et al. **Neurol Med Chir (Tokyo)** 1982 Mar; 22(3):235–40 (Eng. Abstr.) **(Jpn)**

[Tuberculosis of the synovial membrane and tendons of the extensor muscles of the hand] Belov VM, et al. **Probl Tuberk** 1982 May;(5):68–9 **(Rus)**

[Combination of disseminated pulmonary tuberculosis and tuberculosis of the tongue] Mulik LI, et al. **Probl Tuberk** 1981 Oct;(10):73 **(Rus)**

PHYSIOPATHOLOGY

Experimental investigations on the significance of different environmental and immunological factors on the disposition to tuberculous infection. Steinbrück P. **Z Erkr Atmungsorgane** 1982;158(1–2):47–53

[Significance of the functional studies of the cardiovascular system and respiration in non-pulmonary tuberculosis] Petrov IN, et al. **Probl Tuberk** 1981 Sep;(9):31–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Impact of tuberculosis on human health in the world. Grzybowski S. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):125–6

Isoniazid prophylaxis in new immigrants [letter] Passes HI. **Ann Intern Med** 1981 Nov;95(5):657

BCG vaccination [editorial] Price JF. **Arch Dis Child** 1982 Jul;57(7):485–6

Notification of tuberculosis: a code of practice for England and Wales [letter] Davis JA. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1949

Need for a BCG trial in Canada's native populations. Narain R. **Can Med Assoc J** 1982 Jul 15;127(2):101–2

Delayed hypersensitivity after BCG in preschool children in relation to their nutritional status. Seth V, et al. **Indian J Med Res** 1981 Sep;74:392–8

The B.C.G. vaccination policy in India. **Indian J Pediatr** 1981 Jul–Aug;48(393):405–6

Commentary on the BCG vaccination policy in India. Udani PM. **Indian J Pediatr** 1981 Jul–Aug;48(393):407–12

Tuberculosis control in Chicago [editorial] Addington WW, et al. **Proc Inst Med Chic** 1981 Oct–Dec;34(4):97–8

Use of basic tools for planning an efficient tuberculosis programme in developed countries based on recent epidemiological studies. Styblo K. **Rev Med Suisse Romande** 1982 Mar;102(3):241–7

BCG vaccination and non-tuberculous Mycobacteria [letter] Gangadharam PR. **Tubercle** 1981 Sep;62(3):223–4

Post-vaccination tuberculin sensitivity for assessing BCG vaccination in areas with high prevalence of non-specific sensitivity. Narain R, et al. **Tubercle** 1981 Dec;62(4):231–9

Tuberculosis control. **WHO Tech Rep Ser** 1982;671:1–26

BCG vaccine responses following simultaneous immunization against influenza and tuberculosis. 2nd report. Zykov MP, et al. **Z Erkr Atmungsorgane** 1981 May;157(2):165–80

[International prospective study of complications of BCG

vaccination (letter)] Engbaek HC. **Ugeskr Laeger** 1981 Jun 15;143(25):1607 **(Dan)**
[BCG vaccination (editorial)] Viskum K. **Ugeskr Laeger** 1981 Jun 22;143(26):1673–4 **(Dan)**
[Tuberculosis control in the Netherlands] van Geuns HA. **Ned Tijdschr Geneeskd** 1982 Mar 13;126(11):482–5 **(Dut)**
[Will tuberculosis be eradicated?] Gyselen A. **Verh K Acad Geneeskd Belg** 1981;43(1):5–13 **(Dut)**
[BCG program under attack] Narayan R. **Bull Int Union Tuberc** 1981 Mar–Jun;56(1–2):47–52 **(Fre)**
[Epidemiology of tuberculosis. Is preventing better than treating?] Sutherland I. **Bull Int Union Tuberc** 1981 Sep–Dec;56(3–4):139–46 **(Fre)**
[Training of personnel for bacteriology within the framework of an integrated program in the campaign against tuberculosis] Valenzuela Hiriart P. **Bull Int Union Tuberc** 1981 Sep–Dec;56(3–4):175–80 **(Fre)**
[The campaign against tuberculosis] Arnold E. **Rev Med Suisse Romande** 1982 Mar;102(3):231–9 **(Fre)**
[The decline in tuberculosis control. Does the neglect of preventive and therapeutic measures in West Germany cause an avoidable prolongation of the tuberculosis problem?] Petersen KF. **Fortschr Med** 1982 Mar 25; 100(12):497–8 **(Ger)**
[Main points of tuberculosis control] Lock W. **Off Gesundheitswes** 1981 Aug;43(8):369–70 **(Ger)**
[The epidemiological effectiveness control of antituberculous measures in the experimental territories] Chomenko AG. **Z Erkr Atmungsorgane** 1982;158(1–2):95–100 (Eng. Abstr.) **(Ger)**
[Social aspects in fighting against tuberculosis] Ganguin HG. **Z Erkr Atmungsorgane** 1982;158(1–2):24–35 (Eng. Abstr.) **(Ger)**
[BCG–vaccination in the USSR and other countries] Jablokova TB. **Z Erkr Atmungsorgane** 1982; 158(1–2):196–204 (Eng. Abstr.) **(Ger)**
[Development, value and problems of BCG–vaccination] Landmann H. **Z Erkr Atmungsorgane** 1982;158(1–2):185–95 (Eng. Abstr.) **(Ger)**
[Direct BCG–vaccination in countries with low prevalence of tuberculosis infection] Mydlak G. **Z Erkr Atmungsorgane** 1982;158(1–2):215–23 (Eng. Abstr.) **(Ger)**
[Models of tuberculosis control in countries with low tuberculosis prevalence] Trnka L, et al. **Z Erkr Atmungsorgane** 1982;158(1–2):76–80 (Eng. Abstr.) **(Ger)**
[Main points in the development of ethical discussion on the control of tuberculosis in scientific publications from 1900 to 1932] Hahn S. **Z Gesamte Hyg** 1982 Mar;28(3):193–201 (Eng. Abstr.) **(Ger)**
[Development of tuberculosis control with special reference to the eradication of bovine tuberculosis in East Germany] Schwedler H. **Z Gesamte Hyg** 1982 Mar;28(3):160–3 **(Ger)**
[Tuberculin survey and its meaning for a correct prevention in a high risk population. Epidemiological data relative to students of the faculty of medicine and soldiers residing in Ferrara (author's transl)] Roncarati E, et al. **Ann Sclavo** 1980 Nov–Dec;22(6):982–92 (Eng. Abstr.) **(Ita)**
[BCG vaccination of medical students of the University of Naples: findings concerning the evolution of the vaccination site and the BCG allergy] Galzerano G, et al. **Arch Monaldi** 1980 May–Jun;35(3):143–7 **(Ita)**
[Use of a mathematical model for evaluation of tuberculosis case–finding with mass miniature radiography (author's transl)] Mori T. **Kekkaku** 1982 Feb 15;57(2):47–57 (Eng. Abstr.) **(Jpn)**
[BCG vaccination of young children in maternity hospitals and medical dispensaries] Bărbulescu R, et al. **Rev Ig [Pneumoftiziol]** 1981 Oct–Dec;30(4):241–2 **(Rum)**
[Community health education in the prevention of tuberculosis] Blagodarnyĭ IaA, et al. **Probl Tuberk** 1982 Feb;(2):17–9 (Eng. Abstr.) **(Rus)**
[Improvement in the organized forms of the work of the pediatric phthisiologist in caring for adolescents] Bolotnikova VA. **Probl Tuberk** 1982 Mar;(3):23–7 **(Rus)**
[Improvements in antituberculosis services in the Uzbek SSR during the 10th five–year–plan] Kalankhodzhaev AA. **Probl Tuberk** 1982 May;(5):7–10 (Eng. Abstr.) **(Rus)**
[Implementation of the antituberculosis program in the Ukrainian SSR] Romanenko AE. **Probl Tuberk** 1982 Feb; (2):3–6 **(Rus)**

RADIOGRAPHY

Use of computed tomography to demonstrate the extent of tuberculosis. Warren JB, et al. **CT** 1981 Sep;5(4):312–5
Tuberculous brain abscess and its appearance on computerized tomography. Case report. Reichenthal E, et al. **J Neurosurg** 1982 Apr;56(4):597–600
[Current status of pulmonary tuberculosis] Yoneda R. **Rinsho Hoshasen** 1981;26(11):1231–46 **(Jpn)**

REHABILITATION

[Characteristics of a contingent of disabled workers as a results of tuberculosis and their work arrangements] Khudshina T, et al. **Probl Tuberk** 1982 May;(5):13–7 (Eng. Abstr.) **(Rus)**

SURGERY

[Single–stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigai GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**

THERAPY

Current status of general hospital use for patients with tuberculosis in the United States: eight–year update. Dandoy S. **Am Rev Respir Dis** 1982 Aug;126(2):270–3
Impact of tuberculosis on human health in the world. Grzybowski S. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):125–6
Therapy of experimental tuberculosis in guinea pigs with mycobacterial phages DS–6A, GR–21 T, My–327. Sula L, et al. **Czech Med** 1981;4(4):209–14
[Regional pulmonary function in unilateral sero–fibrinous pleural effusions and changes under the influence of treatment (author's transl)] Vandevenne A, et al. **Poumon Coeur** 1981;37(3):223–8 (Eng. Abstr.) **(Fre)**
[The evolution of the treatment of tuberculosis] Michetti D. **Rev Med Suisse Romande** 1982 Mar;102(3):227–9 **(Fre)**
[Prognosis and treatment of tuberculosis in the pre–chemotherapeutical era] Tetzner W. **Z Erkr Atmungsorgane** 1982;158(1–2):149–54 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Tuberculosis and the health worker [editorial] Farer LS, et al. **Am J Public Health** 1981 Nov;71(11):1200–1

VETERINARY

Hazel elephant redux [letter] Jones WD Jr, et al. **Am Rev Respir Dis** 1982 Feb;125(2):270
An abattoir survey of tuberculosis in feral buffaloes. Hein WR, et al. **Aust Vet J** 1981 Dec;57(12):543–7
Effect of rifampicin treatment of Myobacterium avium infection in carbon tetrachloride treated rabbits. Singh NB, et al. **Indian J Exp Biol** 1981 Feb;19(2):201–2
Clinicopathologic correlations of tuberculosis in large zoo mammals. Mann PC, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1123–9
Infection in rhesus (Macaca mulatta) and squirrel (Saimiri sciureus) monkeys due to Mycobacterium tuberculosis phage type B. Outbreak in a primate colony. Mayhall CG, et al. **J Med Primatol** 1981;10(6):302–11
Tuberculosis in fishes. van Diujn C Jr. **J Small Anim Pract** 1981 Jun;22(6):391–411
Development of an enzyme–linked immunosorbent assay for detecting antibodies in monkeys infected with Mycobacterium bovis. Armbrust AL, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:522–7
Tuberculosis in sheep in the Sudan. Tag el Din MH, et al. **Trop Anim Health Prod** 1982 Feb;14(1):26
Tuberculosis in wildlife in the Ruwenzori National Park Uganda (part I). Woodford MH. **Trop Anim Health Prod** 1982 May;14(2):81–8
Mycobacterium bovis infection in cattle, badgers and other mammals in an area of Dorset. **Vet Rec** 1982 Apr 3; 110(14):318–20

TUBERCULOSIS, AVIAN

[Avian tuberculosis in a free–living buzzard with bumblefoot (author's transl)] van Nie GJ. **Tijdschr Diergeneeskd** 1981 Oct;106(20):1033–6 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Avian practice. Rosskopf WJ Jr, et al. **Mod Vet Pract** 1981 Oct;62(10):777–9
[Use of allergological diagnosis in the elimination of tuberculosis from poultry kept in a small flock] Pavlas M. **Vet Med (Praha)** 1981 Dec;26(12):731–6 (Eng. Abstr.) **(Cze)**

PATHOLOGY

[Development of morphological changes after experimental Mycobacterium avium infection in ducks and geese] Černý L. **Vet Med (Praha)** 1982 Feb;27(2):95–100 (Eng. Abstr.) **(Cze)**

TUBERCULOSIS, BOVINE

DIAGNOSIS

Use of enzyme–linked immunosorbent assay for detecting mycobacterial antigens in tissues of Mycobacterium bovis–infected cattle. Thoen CO, et al. **Am J Vet Res** 1981 Oct;42(10):1814–5
[Miliary bovine tuberculosis] Egstrup K. **Ugeskr Laeger** 1981 May 24;143(21):1327 **(Dan)**

HISTORY

[Bovine tuberculosis during the last 100 years (1882–1982)] Schliesser T. **Prax Klin Pneumol** 1982 Mar;36(3):151–6 **(Ger)**
[Robert Koch and bovine tuberculosis] Reimer H. **Z Gesamte Hyg** 1982 Mar;28(3):156–60 **(Ger)**
[History and development of the fight against bovine tuberculosis (author's transl)] Schliesser T. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):326–40 **(Ger)**

METABOLISM

[Modification of the koch bacillus by a material extracted from tuberculosis lesions] Lafont J, et al. **Can J Microbiol** 1981 Jul;27(7):735–7 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Studies on mycobacterial infection of cows in Hokkaido. Shimizu K, et al. **Nippon Juigaku Zasshi** 1981 Feb; 43(1):13–9
[Role of Mycobacterium tuberculosis in bovine tuberculosis] Boulahbal F, et al. **Arch Inst Pasteur Alger** 1978–79; 53:155–64 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Tuberculosis in wildlife in the Ruwenzori National Park Uganda (part I). Woodford MH. **Trop Anim Health Prod** 1982 May;14(2):81–8
Mycobacterium bovis infection in cattle, badgers and other mammals in an area of Dorset. **Vet Rec** 1982 Apr 3; 110(14):318–20

PREVENTION & CONTROL

Eradication of tuberculosis from an extensively managed beef herd. Armstrong JR. **Aust Vet J** 1981 May;57(5):220–3
[Development of control and eradication of tuberculosis among cattle in GDR] Schwedler H. **Z Erkr Atmungsorgane** 1982;158(1–2):110–6 (Eng. Abstr.) **(Ger)**
[Development of tuberculosis control with special reference to the eradication of bovine tuberculosis in East Germany] Schwedler H. **Z Gesamte Hyg** 1982 Mar;28(3):160–3 **(Ger)**

TRANSMISSION

Bovine tuberculosis in badgers. **Tubercle** 1981 Jun;62(2):145–6

TUBERCULOSIS, CARDIOVASCULAR

COMPLICATIONS

Tuberculous pericarditis developing during chemotherapy. Hirasing RA, et al. **Eur J Respir Dis** 1982 Jan;63(1):73–6
[Tuberculous aneurysm of the descending aorta with aorto–bronchial fistula (author's transl)] Müller–Wening D, et al. **Prax Klin Pneumol** 1982 Jan;36(1):22–6 **(Ger)**

DIAGNOSIS

Real time two dimensional echocardiography in constrictive pericarditis. Lewis BS. **Am J Cardiol** 1982 May; 49(7):1789–93
[Acute aortic insufficiency of tuberculous origin. Apropos of a case] David P, et al. **Rev Med Interne** 1981 Oct; 2(3):309–11 **(Fre)**
[Certain variants of atypical tuberculosis] Borisov IA, et al. **Ter Arkh** 1981;53(10):31–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[2 cases of pericarditis of possible tuberculous etiology in patients on hemodialysis] Janicka L, et al. **Pol Arch Med Wewn** 1981 Jul;66(1):59–66 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Isolated interventricular septal tuberculoma causing complete heart block. Wren C, et al. **Thorax** 1982 Feb;37(2):149–50
[Lesion of the cardiac arteries in general miliary tuberculosis] Zlateva M, et al. **Arkh Patol** 1982;44(1):63–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Gallium–67 imaging in pericarditis secondary to tuberculosis and histoplasmosis. Taillefer R, et al. **Clin Nucl Med** 1981 Sep;6(9):413–5

SURGERY

Surgical treatment of constrictive tuberculous pericarditis. Fennell WM. **S Afr Med J** 1982 Sep 4;62(11):353–5
[Treatment of tuberculous constrictive pericarditis] Moroz IM, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):46–50 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, CUTANEOUS

DIAGNOSIS

Cutaneous tuberculosis. Brown FS, et al. **J Am Acad Dermatol** 1982 Jan;6(1):101–6

ETIOLOGY

Cutaneous autoinoculation by Mycobacterium tuberculosis. Cohn JR, et al. **Arch Dermatol** 1982 May;118(5):363–5
Atypical tuberculide (acne scrofulosorum) secondary to tuberculous lymphadenitis. Breathnach SM, et al. **Clin Exp Dermatol** 1981 May;6(3):339–44

[Etiopathogenesis of Bazin's erythema induratum (letter)] **Kalkoff KW. Hautarzt** 1981 Aug;32(8):437–8 **(Ger)**

[Susceptibility to Mycobacterium avium of various inbred strains of mice. II. On the cases with subcutaneous infection (author's transl)] Tanemura M.
Nippon Rai Gakkai Zasshi 1981 Jul–Sep;50(3):116–27 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Tuberculoid leprosy vs. tuberculosis of skin. A histopathologic study. Rajwanshi A, et al.
Indian J Pathol Microbiol 1981 Oct;24(4):217–20

[Current problems of cutaneous tuberculosis] Jung HD.
Dermatol Monatsschr 1982 Mar;168(3):147–61 (Eng. Abstr.) **(Ger)**

[Tuberculosis of the skin (author's transl)] Jung HD, et al.
Zentralbl Chir 1982;107(5–6):343–53 **(Ger)**

TUBERCULOSIS, ENDOCRINE

[A case of tuberculous abscess of the adrenal gland] Van Der Vaeren D, et al. **Acta Urol Belg** 1981 Oct;49(4):399–403 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Diagnostic and legal aspects of clinically unrecognized adrenal tuberculosis] Anańko J, et al. **Wiad Lek** 1981 Aug 15;34(16):1393–6 **(Pol)**

DRUG THERAPY

Tuberculous thyroiditis cured by drug therapy. Milcu SM, et al. **Endocrinologie** 1981 Oct–Dec;19(4):261–3

RADIONUCLIDE IMAGING

[67Ga scintigraphy in adrenal tuberculosis (author's transl)] **Katsuyama N, et al. Rinsho Hoshasen** 1981 Sep; 26(9):999–1000 **(Jpn)**

TUBERCULOSIS, FEMALE GENITAL

COMPLICATIONS

Genital manifestation of pulmonary tuberculosis. Tripathy SN, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):319–26

[Genital tuberculosis and adenocarcinoma of the endometrium] Spanna GD, et al.
Ann Ostet Ginecol Med Perinat 1982 Mar–Apr; 103(2):153–64 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Genital tuberculosis of women (author's transl)] Renziehausen K, et al. **Zentralbl Gynakol** 1982; 104(5):268–87 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The treatment of tuberculosis of the female genital tract with rifampicin, ethambutol, and isoniazid. Sutherland AM.
Arch Gynecol 1981;230(4):315–9

[Isoniazid level in the tissues of women with genital tuberculosis] Kolachevskaia EN, et al. **Probl Tuberk** 1981 Sep;(9):59–61 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Cellular and humoral immunity in women with genital tuberculosis] Akpandzha V. **Akush Ginekol (Mosk)** 1981 Dec;(12):44–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Postmenopausal tuberculosis of the female genital tract. Sutherland AM. **Obstet Gynecol** 1982 Jun;59(6 Suppl):54S–7S

PATHOLOGY

Scanning electron microscopy of the tubercular fallopian tube. Zamberletti D, et al. **Acta Eur Fertil** 1981 Sep; 12(3):213–21

[Anovulvar tuberculosis (clinical case)] Vantman A, et al. **Rev Chil Obstet Ginecol** 1979;44(4):186–9 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Transmission of genito-urinary tuberculosis. Sutherland AM, et al. **Health Bull (Edinb)** 1982 Mar;40(2):87–91

TUBERCULOSIS, GASTROINTESTINAL

COMPLICATIONS

Fatal rectal bleeding due to tuberculosis of the cecum. Goudarzi HA, et al. **JAMA** 1982 Feb 5;247(5):667–8

[Tuberculosis of the small intestine (letter)] Rodriguez Jornet A, et al. **Med Clin (Barc)** 1982 Feb 25;78(4):166–7 **(Spa)**

DIAGNOSIS

Segmental tuberculosis of the colon diagnosed by colonoscopy. Breiter JR, et al. **Am J Gastroenterol** 1981 Oct;76(4):369–73

The value of colonoscopy in the diagnosis of Ileo-caecal tuberculosis. Koo J, et al. **Endoscopy** 1982 Mar;14(2):48–50

Laryngeal and perianal tuberculosis simulating laryngeal and perianal carcinoma. Walsh TJ, et al.
Johns Hopkins Med J 1981 Oct;149(4):135–7

Abdominal tuberculosis in children. Davies MR.
S Afr J Surg 1982 Mar;20(1):7–19

[Crohn's disease---differential diagnosis with intestinal tuberculosis (author's transl)] Liu TH.
Chung Hua Nei Ko Tsa Chih 1981 Apr;20(4):211–5 **(Chi)**

[Crohn's diseases. Clinicopathological manifestations and differential diagnosis from enterocolonic tuberculosis] Tong-Hua L, et al. **J Chir (Paris)** 1981 Nov;118(11):647–54 (Eng. Abstr.) **(Fre)**

[Primary gastric tuberculosis, Case report] Vacherot B, et al. **Med Chir Dig** 1981;10(4):341–3 **(Fre)**

[Tuberculous colitis – diagnostic and therapeutic aspects (author's transl)] Kelch L, et al. **Leber Magen Darm** 1981 Aug;11(4):159–62 (24 ref.) (Eng. Abstr.) **(Ger)**

[Intestinal tuberculosis in infancy] Bognár I, et al.
Orv Hetil 1981 Mar 29;122(13):761–5 **(Hun)**

[Abdominal tuberculosis simulating a pancreatic tumor] de Andres de Colsa RM, et al. **Rev Esp Enferm Apar Dig** 1982 Mar;61(3):259–64 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Medical management of gastrointestinal tuberculosis [editorial] Findlay JM. **J R Soc Med** 1982 Aug;75(8):583–4

ETIOLOGY

Primary intestinal tuberculosis following renal transplantation. Ortuño J, et al. **Nephron** 1982;31(1):59–60

PATHOLOGY

Crohn's disease. Clinicopathologic manifestations and differential diagnosis from enterocolonic tuberculosis. Liu TH, et al. **Chin Med J [Engl]** 1981 Jul;94(7):431–40

Peritoneal biopsy for diagnosis of abdominal tuberculosis. Shukla HS, et al. **Postgrad Med J** 1982 Apr;58(678):226–8

[The clinical diversity of intestinal tuberculosis] Elbaze W, et al. **Rev Med Suisse Romande** 1982 Mar;102(3):277–82 **(Fre)**

TUBERCULOSIS, HEPATIC

COMPLICATIONS

Tuberculous liver abscess. Jain VK, et al.
Indian J Chest Dis Allied Sci 1981 Apr–Jun;23(2):97–9

DIAGNOSIS

Tuberculoma of the liver. Pendse AK, et al.
J Indian Med Assoc 1981 May 1;76(9):175–6

[Clinical analysis of 23 cases of hepatic tuberculosis (author's transl)] Huang YC. **Chung Hua Nei Ko Tsa Chih** 1982 Jan; 21(1):25–7 **(Chi)**

[Primary hepatic tuberculosis] Dobre D, et al.
Rev Med Chir Soc Med Nat Iasi 1981 Jul–Sep;85(3):451–5 (27 ref.) (Eng. Abstr.) **(Rum)**

[Pseudotumorous tuberculosis of the liver. Presentation of a case] Zuláica D, et al. **Rev Clin Esp** 1981 Oct 31; 163(2):135–7 **(Spa)**

[Abdominal tuberculosis simulating a pancreatic tumor] de Andres de Colsa RM, et al. **Rev Esp Enferm Apar Dig** 1982 Mar;61(3):259–64 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Incidence of the hepatitis B antigen carrier state in tuberculosis patients and its differential diagnostic significance] Shtefanaru LK, et al. **Vopr Virusol** 1982 Mar–Apr;27(2):247–50 **(Rus)**

PATHOLOGY

[Intra-hepatic tuberculous biliary caverns. A case report (author's transl)] Kemeny F, et al.
Arch Anat Cytol Pathol 1981;29(4):246–8 (Eng. Abstr.) **(Fre)**

[Liver needle biopsy in evolutive tuberculosis of adult Africans. Report on 142 cases (author's transl)] Gendron Y, et al. **Med Trop (Mars)** 1982 Jan–Feb;42(1):43–6 (Eng. Abstr.) **(Fre)**

[Hepatic tuberculosis: anatomical and clinical findings. A review of forty-six cases (author's transl)] Meyniel D, et al. **Sem Hop Paris** 1982 Apr 29;58(17):1023–6 (Eng. Abstr.) **(Fre)**

TUBERCULOSIS IN CHILDHOOD

DIAGNOSIS

Evaluation of B.C.G. test in the malnourished. Sharma U, et al. **Indian J Pediatr** 1982 Jan–Feb;49(396):123–7

A scoring system for the diagnosis of tuberculosis in children. Nair PH, et al. **Indian Pediatr** 1981 May;18(5):299–303

[The tuberculin test : how and why?] Franckx H, et al.
Arch Belg Med Soc 1981 Jun;39(6):378–90 (Eng. Abstr.) **(Dut)**

[Endoscopic examinations in the primary tuberculosis complex in childhood] Bolgiani MP, et al.
Ann Osp Maria Vittoria Torino 1980 Jan–Jun; 23(1–6):69–111 (Eng. Abstr.) **(Ita)**

[Characteristics in primary tuberculosis in preschool children] Charykova GP, et al. **Probl Tuberk** 1981 Nov;(11):7–9 (Eng. Abstr.) **(Rus)**

[Interpretation of the Mantoux test with 2 TU PPD-L in tuberculin reactions in children and adolescents and the method of determining tuberculosis infectivity] Mitinskaia LA, et al. **Probl Tuberk** 1981 Aug;(8):73–5 **(Rus)**

[Early diagnosis of tuberculosis in the pediatric clinic] Sakharova EA. **Probl Tuberk** 1981 Nov;(11):9–11 (Eng. Abstr.) **(Rus)**

[Radiographic picture of atypical pneumonia and tuberculin test in the differential diagnosis of tuberculosis in childhood] Zegarac D, et al. **Srp Arh Celok Lek** 1981 Oct; 109(10):297–304 **(Scc)**

DRUG THERAPY

[Computerized perimetry in infants treated with ethambutol (author's transl)] Gramer E, et al. **Klin Padiatr** 1982 Jan; 194(1):52–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Epidemiological significance of various foci of tuberculosis for children and adolescents] Shvartsev IS.
Probl Tuberk 1981 Nov;(11):11–4 (Eng. Abstr.) **(Rus)**

HISTORY

[Robert Koch and tuberculosis in children] Ocklitz HW, et al. **Kinderarztl Prax** 1982 Mar;50(3):117–29 (Eng. Abstr.) **(Ger)**

NURSING

Two types of nursing care for patients with tuberculosis primary infection. de Oliveira MH, et al.
Bull Pan Am Health Organ 1981;15(2):131–8

OCCURRENCE

Apparent resurgence of tuberculosis in urban children. Inselman LS, et al. **Pediatrics** 1981 Nov;68(5):647–9

Observations on hospital practice in Nepal and a survey of osteomyelitis and bone tuberculosis. Burgess PJ.
Trop Doct 1982 Jan;12(1):23–8

[Current problems in tuberculosis in childhood] Křepela K.
Cesk Pediatr 1981 Aug;36(8):464–9 (Eng. Abstr.) **(Cze)**

[Tuberculosis in children in Stuttgart 1975–1980---epidemiologic observations] Neumann G.
Off Gesundheitswes 1981 Nov;43(11):550–5 **(Ger)**

[Decrease of tuberculosis in children in GDR – facts, data and conclusions] Thal W, et al. **Z Erkr Atmungsorgane** 1982;158(1–2):142–8 (Eng. Abstr.) **(Ger)**

[Various epidemiological indicators of tuberculosis based on district tuberculosis dispensaries] Ianchenko EN, et al.
Probl Tuberk 1981 Aug;(8):10–3 (Eng. Abstr.) **(Rus)**

[Assessment of the epidemiological hazard of tuberculosis infection foci from tuberculosis infectivity and morbidity in children and adolescents] Melkumov GA, et al.
Probl Tuberk 1982 Mar;(3):16–20 (Eng. Abstr.) **(Rus)**

[Infantile tuberculosis in Africa] González M, et al.
Rev Chil Pediatr 1981 May–Jun;52(3):218–23 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

[BCG vaccination, Critical study (author's transl)] Alcaide Megías J, et al. **An Esp Pediatr** 1982 Feb;16(2):95–101 (Eng. Abstr.) **(Spa)**

[Prevention and management of tuberculosis in children] Sifontes JE, et al. **Bol Asoc Med PR** 1981 Nov; 73(11):522–30 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Primary tuberculosis in children – thoracic x-ray findings supply clue (author's transl)] Ball F, et al.
Rontgenblatter 1982 Jan;35(1):30–8 (Eng. Abstr.) **(Ger)**

TUBERCULOSIS, LARYNGEAL

DIAGNOSIS

Laryngeal and perianal tuberculosis simulating laryngeal and perianal carcinoma. Walsh TJ, et al.
Johns Hopkins Med J 1981 Oct;149(4):135–7

[Laryngeal tuberculosis which were misdiagnosed as laryngeal cancer: a report of three cases (author's transl)] Niijima K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Apr 25;41(4):374–9 (Eng. Abstr.) **(Jpn)**

TUBERCULOSIS, LYMPH NODE

[Tuberculous lymphatic glands of the neck (author's transl)] van de Kamp W. **Zentralbl Chir** 1982;107(5–6):301–9 (Eng. Abstr.) **(Ger)**

[The place tuberculous adenopathy in cervical pathology. Clinical and therapeutic data] Buruiană M, et al.
Rev Chir [Otorinolaringol] 1981 Jul–Sep;26(3):221–6 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Atypical tuberculide (acne scrofulosorum) secondary to tuberculous lymphadenitis. Breathnach SM, et al. **Clin Exp Dermatol** 1981 May;6(3):339–44

Hilar tuberculosis in a patient with osteosarcoma. Cantwell B, et al. **Postgrad Med J** 1981 Aug;57(670):530–1

[Pulmonary perforation of mediastinal caseous lymph nodes in children. Thirty-two case-reports (author's transl)] Toty L, et al. **Ann Pediatr (Paris)** 1981 Oct;28(8):577–80 (Eng. Abstr.) **(Fre)**

[A case of post-tuberculosis lymphoglandular pneumosclerosis with concomitant rare lung abnormality] Mukhin EP, et al. **Grudn Khir** 1981 Sep–Oct;(5):74–5 **(Rus)**

[Association of staphylococcal infection and tuberculosis] Kakhidze Sla, et al. **Klin Med (Mosk)** 1981 Dec;59(12):81–3 **(Rus)**

[Course of primary tuberculosis in combination with helminth infestations] Kalinichev GA, et al. **Probl Tuberk** 1981 Jul; (7):30–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Tuberculosis of intra-parotid lymph nodes. Kuruvilla A, et al. **J Laryngol Otol** 1981 Nov;95(11):1165–7

Scrofula—the dangerous masquerader. Levin-Epstein AA, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):938–43

Tuberculous lymphadenitis. Randall G, et al. **Nebr Med J** 1981 Oct;66(10):238–40

[Diagnostic problems in tuberculosis with abdominal mass as its presenting symptom, with a clinicopathologic analysis of 15 cases (author's transl)] Zhu GY. **Chung Hua Nei Ko Tsa Chih** 1981 May;20(5):290–1 **(Chi)**

[Late diagnosis of peripheral lymph node tuberculosis] Sienkiewicz-Kowalczuk D. **Pneumonol Pol** 1981 Mar; 49(3):227–9 **(Pol)**

[Pathogenesis of pulmonary tuberculosis in adults with atypical localization] Anastas'ev VS. **Probl Tuberk** 1981 Aug;(8):48–53 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of peripheral lymph node lesions in adults] Bobrovskaia MI, et al. **Probl Tuberk** 1982;(1):45–8 (Eng. Abstr.) **(Rus)**

[Certain variants of atypical tuberculosis] Borisov IA, et al. **Ter Arkh** 1981;53(10):31–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Nonspecific esterases activities of epithelioid cells in sarcoid granulomas and tuberculous granulomas (author's transl)] Onizuka O, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep;18(9):605–10 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

[Complications of BCG vaccination in children of immigrant workers] Mulder JC. **Ned Tijdschr Geneeskd** 1982 Mar 13; 126(11):468–70 (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

[Fatal avian-type mycobacterial septicaemia associated with an immune defect, a contribution to the 'mycobacterial histiocytosis' problem (author's transl)] Fiedler M, et al. **Prax Klin Pneumol** 1982 Jul;36(7):312–7 (Eng. Abstr.) **(Ger)**

[Results of immunological and morphological examination of patients with tuberculosis of peripheral lymph nodes] Nezdatnyĭ MM, et al. **Probl Tuberk** 1982 Apr;(4):59–62 **(Rus)**

OCCURRENCE

Tuberculous lymphadenopathy in children. Sheikh MM, et al. **Indian Pediatr** 1981 May;18(5):293–7

[Peripheral lymph node tuberculosis in children and adolescents] Spychalski L, et al. **Wiad Lek** 1981 Jun 1; 34(11):889–94 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Scrofula. A report of two cases. Zachariades N, et al. **Int J Oral Surg** 1982 Apr;11(2):127–9

Tuberculous submandibular lymphadenitis. Ishikawa H, et al. **J Oral Maxillofac Surg** 1982 May;40(5):302–5

Tuberculous cervical lymphadenitis. Popowich L, et al. **J Oral Maxillofac Surg** 1982 Aug;40(8):522–4

The king's evil. A case of scrofula. Ellis CG. **Practitioner** 1981 Oct;225(1360):1519

[Outbreak of pseudo-exacerbation in a dimorphic patient with specific disseminated granulomatous vasculitis (clinical conference)] Zorseto V, et al. **Hansenol Int** 1980 Jun;5(1):44–52 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

[Lymph node tuberculosis of the ductus arteriosus in children] Borisova NK, et al. **Probl Tuberk** 1981 Jun; (6):28–30 (Eng. Abstr.) **(Rus)**

[Calcinates in the lymph node of Botallo's duct indifferent age groups] Poletaev SD, et al. **Ter Arkh** 1981;53(12):32–4 (Eng. Abstr.) **(Rus)**

SURGERY

[Diagnosis and surgical treatment of 17 cases of tuberculosis of the mediastinal lymph nodes (author's transl)] Xu LT. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Apr;4(2):69–70 (Eng. Abstr.) **(Chi)**

[Surgical treatment of mediastinal tuberculosis lymphadenitis (author's transl)] Chen ZD. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):673–5 (Eng. Abstr.) **(Chi)**

[Surgical treatment of tuberculous mediastinal adenopathies in childhood (author's transl)] Magnin F, et al. **Ann Pediatr (Paris)** 1982 May;29(5):349–51 (Eng. Abstr.) **(Fre)**

[A case of surgically treated tuberculous mediastinal lymphadenitis necessitating differentiation from other mediastinal tumors (author's transl)] Masuda H, et al. **Kekkaku** 1981 Jun;56(6):327–30 (Eng. Abstr.) **(Jpn)**

[Surgical treatment for tuberculous cervical lymphadenitis (author's transl)] Nakajima Y, et al. **Kekkaku** 1981 Jun; 56(6):319–25 (Eng. Abstr.) **(Jpn)**

[Single-stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigaĭ GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**

VETERINARY

[Modification of the koch bacillus by a material extracted from tuberculosis lesions] Lafont J, et al. **Can J Microbiol** 1981 Jul;27(7):735–7 (Eng. Abstr.) **(Fre)**

TUBERCULOSIS, MALE GENITAL

IMMUNOLOGY

[Status of the T-immunity system in specific and nonspecific inflammatory diseases of the genital organs in men] Skosogorenko MG. **Probl Tuberk** 1981 Dec;(12):42–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Tuberculosis of the penis. Sengupta P, et al. **J Indian Med Assoc** 1982 Feb 1;78(3):47–9

Tuberculous ulcer of the penis. Venkataramaiah NR, et al. **Postgrad Med J** 1982 Jan;58(675):59–60

Tuberculosis of testis. Riehle RA Jr, et al. **Urology** 1982 Jul; 20(1):43–6

TUBERCULOSIS, MENINGEAL

Tuberculous meningitis. Meyers BR. **Med Clin North Am** 1982 May;66(3):755–62

CEREBROSPINAL FLUID

Plasma and CSF electrolytes in tuberculous meningitis. A concurrent study. Kumar D, et al. **Indian Pediatr** 1981 Jul; 18(7):473–7

Cerebrospinal fluid amino acid concentrations in patients with viral and tuberculous meningitis. Corston RN, et al. **J Neurol Neurosurg Psychiatry** 1981 Sep;44(9):791–5

COMPLICATIONS

Choreoathetosis in an infant with tuberculosis meningitis. Riela A, et al. **Arch Neurol** 1982 Sep;39(9):596

Ocular manifestations of tubercular meningitis and their prognostic value in children. Verma BM, et al. **Indian J Ophthalmol** 1981 Oct;29(3):301–2

[Tuberculous meningitis associated with ischemic cerebrovascular diseases: analysis of 23 cases (author's transl)] Xiao ZX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):273–4 (Eng. Abstr.) **(Chi)**

[Prechiasmatic tuberculoma in a case of tuberculous meningitis accompanied by spinal and optochiasmatic arachnoiditis (author's transl)] Petit H, et al. **Rev Otoneuroophtalmol** 1981 Oct-Dec;53(5):453–8 (Eng. Abstr.) **(Fre)**

[Combined Tb and Candida meningitis in an 8-year old boy (author's transl)] Popow C, et al. **Klin Padiatr** 1981 Sep; 193(5):401–3 (Eng. Abstr.) **(Ger)**

[Tuberculoma of the brain: a sequel of meningitis?] Piersantelli N, et al. **Pathologica** 1980 Sep–Oct; 72(1021):737–41 (Eng. Abstr.) **(Ita)**

[Dual infection of Mycobacterium tuberculosis and poliovirus type 2 (author's transl)] Tokuda M, et al. **Kansenshogaku Zasshi** 1981 Nov;55(11):826–32 (Eng. Abstr.) **(Jpn)**

[Intracranial tuberculous arachnoiditis: report of a case] Marchiori PE, et al. **Arq Neuropsiquiatr** 1981 Jun; 39(2):223–9 (Eng. Abstr.) **(Por)**

[Computed tomography in early diagnosis of tuberculous meningitis complications (author's transl)] Clivillé Pagés R, et al. **An Esp Pediatr** 1981 Jun;14(6):393–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Tuberculous meningitis in children: diagnosis and treatment. Gourie-Devi M. **Indian J Pediatr** 1981 Mar-Apr; 48(391):239–47

What was wrong with Anna O? Hurst LC. **J R Soc Med** 1982 Feb;75(2):129–31

Focal intracranial mucormycosis presenting as chronic meningitis. Jones PG, et al. **JAMA** 1981 Nov 6; 246(18):2063–4

Mycobacterium bovis meningitis. Jones PG, et al. **JAMA** 1982 Apr 23;247(16):2270–1

Tuberculous meningitis in children [letter] Fallon RJ, et al. **Lancet** 1982 Feb 13;1(8268):392–3

Tuberculous meningitis in childhood [letter] Jaffe IP. **Lancet** 1982 Mar 27;1(8274):738

Tuberculous meningitis in children. Recent experience in two English centres. Naughten E, et al. **Lancet** 1981 Oct 31; 2(8253):973–5

Tuberculous optochiasmatic arachnoiditis. Navarro IM, et al. **Neurosurgery** 1981 Dec;9(6):654–60

Tuberculous meningitis — a cautionary tale [letter] Cowie RL. **S Afr Med J** 1982 Jan 16;61(3):69

The bromide partition test and CSF adenosine deaminase activity in the diagnosis of tuberculosis meningitis in children. Mann MD, et al. **S Afr Med J** 1982 Sep 18; 62(13):431–3

[Haemorrhagic tuberculous meningitis: a report of 10 cases (author's transl)] Xiao ZX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):172–3 (Eng. Abstr.) **(Chi)**

[Tuberculous meningitis in childhood: apropos of 23 cases] El Harim Roudies L, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):657–69 (Eng. Abstr.) **(Fre)**

[Current clinical course of meningeal tuberculosis] Gribacheva EV, et al. **Sov Med** 1981;(9):107–9 **(Rus)**

DRUG THERAPY

[Therapy resistant meningeal syndrome with progressive intracranial pressure elevation in a 25-year-old patient] Hoffmann HM, et al. **Internist (Berlin)** 1981 Oct; 22(10):642–4 **(Ger)**

[Hepatotoxicity of rifampicin and isoniazid in the treatment of tuberculous meningitis (author's transl)] Frontera Izquierdo P, et al. **An Esp Pediatr** 1981 Dec;15(6):549–52 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[A preliminary report about the measurements of lysozyme activity on 40 cases of tuberculous meningitis and 30 cases of tuberculous pleurisy (author's transl)] Zu GR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):275–7 (Eng. Abstr.) **(Chi)**

HISTORY

Tuberculous meningitis in the 1830s. Meindl JL, et al. **Lancet** 1982 Mar 6;1(8271):554–5

IMMUNOLOGY

In vivo and in vitro cell-mediated immunity in tuberculous meningitis. El-Naggar AK, et al. **J Clin Lab Immunol** 1982 May;8(1):37–42

OCCURRENCE

Reappearance of childhood tuberculous meningitis in Sweden. Kindmark CO, et al. **Scand J Infect Dis** 1982; 14(2):151–2

[Analysis of tuberculosis meningitis in children notified during 1979 (author's transl)] Tanaka K, et al. **Kekkaku** 1982 Jan;57(1):15–20 (Eng. Abstr.) **(Jpn)**

[Incidence of tuberculous meningoencephalitis among persons aged 0–19 years from 1968 to 1978] Zbikowski H, et al. **Pneumonol Pol** 1981 Jan;49(1):1–7 (Eng. Abstr.) **(Pol)**

[Tuberculous meningitis in children. Study of 34 cases (author's transl)] Frontera Izquierdo P, et al. **An Esp Pediatr** 1981 May;14(5):311–20 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 2–1982. A young man with confusion and an abnormal cerebrospinal fluid. **N Engl J Med** 1982 Jan 14;306(2):91–7

[Clinical and pathological study of a peculiar form of tuberculous meningitis: diagnostic and therapeutic problems (author's transl)] Boudouresques J, et al. **Sem Hop Paris** 1982 Feb 25;58(8):473–4 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Pupillary signs in tuberculous meningitis [letter] Sandyk R. **S Afr Med J** 1982 Jan 16;61(3):69

PREVENTION & CONTROL

[Tuberculous meningitis-still a problem today?] Jenss H, et al. **Internist (Berlin)** 1981 Aug;22(8):501–7 **(Ger)**

RADIOGRAPHY

Tuberculous meningitis—a CT study. Bhargava S, et al. **Br J Radiol** 1982 Mar;55(651):189–96

Computerized tomography in the management of cerebral tuberculomas. Grabman JP, et al. **West J Med** 1980 Oct; 133(4):345–6

[Meningeal reactions to primary tuberculous infection in infants. Contribution of cerebral tomodensitometry]

Couvreur J, et al. **Pediatrie** 1981 Dec;36(8):627–30 (Eng. Abstr.) **(Fre)**

[Extended meningeal calcinosis in the thoracic region in tuberculous meningitis adhaesiva] Vogelsang H, et al. **ROFO** 1982 May;136(5):611–2 **(Ger)**

[Case of tuberculosis meningitis diagnosed using computerized tomography] Sagalovich VIa. **Probl Tuberk** 1981 Oct;(10):70–1 **(Rus)**

[Cerebral tuberculoma in adults. Apropos of 3 observations] Torres Martí A, et al. **Rev Clin Esp** 1981 Dec 15; 163(5):351–4 **(Spa)**

TUBERCULOSIS, MILIARY

COMPLICATIONS

Miliary tuberculosis, late onset systemic lupus erythematosus and corticosteroid treatment: A case report. Pieters R, et al. **Acta Clin Belg** 1981;36(2):101–4

Disseminated tuberculosis presenting as massive hepatosplenomegaly and hepatic failure. Case report. Sharma SK, et al. **Am J Gastroenterol** 1981 Aug;76(2):153–6

Unusual development of arterial hypertension in an anephric patient during miliary tuberculosis of the lungs [letter] Bonadonna A, et al. **Clin Nephrol** 1982 Jun;17(6):323

Miliary tuberculosis concurrent with busulfan lung. Altus P, et al. **South Med J** 1982 Jun;75(6):755–7

[Extensive bilateral retinal arteritis in a hypereosinophilic syndrome in a tuberculosis patient] Binaghi M, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):59–63 **(Fre)**

[Meningeal reactions to primary tuberculous infection in infants. Contribution of cerebral tomodensitometry] Couvreur J, et al. **Pediatrie** 1981 Dec;36(8):627–30 (Eng. Abstr.) **(Fre)**

[Clinical and radiographic diagnostic problems in a case of multiple intramural esophageal diverticulosis in a patient with miliary tuberculosis] Limido G, et al. **Minerva Med** 1981 Oct 13;72(39):2639–43 **(Ita)**

[Acute respiratory failure associated with miliary tuberculosis or tuberculous pneumonia (author's transl)] Tanaka N, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jul; 19(7):452–9 (Eng. Abstr.) **(Jpn)**

[A case of miliary tuberculosis with pancytopenia similar to atypical aplastic anemia (author's transl)] Mamina S, et al. **Rinsho Ketsueki** 1981 Jul;22(7):1175–81 (Eng. Abstr.) **(Jpn)**

[Transitory IgM monoclonal gammopathy associated with brucellosis and tuberculosis (author's transl)] Vargas V, et al. **Med Clin (Barc)** 1981 Oct 10;77(6):247–9 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital tuberculosis in twins] De Angelis P, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):401–16 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Active tuberculosis undiagnosed until autopsy. Bobrowitz ID. **Am J Med** 1982 Apr;72(4):650–8

Puerperal tuberculosis with death of infant. Niles RA. **Am J Obstet Gynecol** 1982 Sep 15;144(2):131–2

Cutaneous tuberculosis. Brown FS, et al. **J Am Acad Dermatol** 1982 Jan;6(1):101–6

Diffuse small nodular disease in a 38-year-old woman. Maltby J. **Mo Med** 1981 Oct;78(10):637–9, 646

Farmer's lung in an iron foundry. MacLeod IM, et al. **Scott Med J** 1982 Apr;27(2):154–7

[A report on hematogenous type of pulmonary tuberculosis in 18 elderly patients including autopsy finding on 12 cases (author's transl)] Zhang JC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):168–71 (Eng. Abstr.) **(Chi)**

[Miliary bovine tuberculosis] Egstrup K. **Ugeskr Laeger** 1981 May 24;143(21):1327 **(Dan)**

[A rare cause of acute respiratory distress syndrome in adults: acute disseminated pulmonary tuberculosis. Four cases (author's transl)] Colbert N, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3049–52 (Eng. Abstr.) **(Fre)**

[Lesional pulmonary edema in miliary tuberculosis (letter)] Laurent S, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3318 **(Fre)**

[Choroidal miliary tuberculosis: fluoroangiographic study (author's transl)] Santoni G, et al. **Ophthalmologica** 1982; 184(1):6–12 (Eng. Abstr.) **(Fre)**

[Cryptic miliary tuberculosis. Two case-reports (author's transl)] Benit C, et al. **Sem Hop Paris** 1982 Jun 3; 58(22):1383–7 (Eng. Abstr.) **(Fre)**

[Areactive generalized tuberculosis ('Landouzy sepsis') in immunosuppressive therapy] Jenss H, et al. **Internist (Berlin)** 1981 Aug;22(8):518–22 **(Ger)**

[Certain variants of atypical tuberculosis] Borisov IA, et al. **Ter Arkh** 1981;53(10):31–5 (Eng. Abstr.) **(Rus)**

[Clinical presentation and diagnostic procedures for 113 cases of miliary tuberculosis (author's transl)] Vidal Pla R, et al. **Med Clin (Barc)** 1982 Mar 1–15;78(5):173–8 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Acute miliary pulmonary tuberculosis in adults: clinical analysis of 100 cases (author's transl)] Huang WL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):213–5 **(Chi)**

ETIOLOGY

Miliary infection due to Mycobacterium avium–intracellulare. Bone M, et al. **Tubercle** 1981 Sep; 62(3):211–3

[Generalized miliary tuberculosis during immunosuppressive therapy] Nunić N, et al. **Srp Arh Celok Lek** 1981 Apr; 109(4):527–38 **(Sec)**

[Late, generalized tuberculosis during chronic hemodialysis (letter)] Inclán Iribar G, et al. **Med Clin (Barc)** 1982 Mar 1–15;78(5):208 **(Spa)**

OCCURRENCE

[Clinical analysis of 200 cases of acute miliary pulmonary tuberculosis (author's transl)] Hong Y. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):265–7 (Eng. Abstr.) **(Chi)**

PATHOLOGY

[Lesion of the cardiac arteries in general miliary tuberculosis] Zlateva M, et al. **Arkh Patol** 1982;44(1):63–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Miliary tuberculosis in pregnancy and puerperium: analysis of eight cases. Abraham G, et al. **Ethiop Med J** 1981 Jul; 19(3):87–90

RADIOGRAPHY

The effect of varying spatial resolution on the detectability of diffuse pulmonary nodules. Assessment with digitized conventional radiographs. Foley WD, et al. **Radiology** 1981 Oct;141(1):25–31

[Miliary tuberculosis in recent years – studies of chest roentgenograms] Hayashi K, et al. **Rinsho Hoshasen** 1981 Sep;26(9):915–20 (Eng. Abstr.) **(Jpn)**

[Clinicopathological correlations in 100 cases of miliary tuberculosis] Vidal Pla R, et al. **Rev Clin Esp** 1981 Apr 30;161(2):109–12 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Skeletal scintigraphy in miliary tuberculosis: photopenia after treatment. Rust RJ, et al. **AJR** 1981 Oct;137(4):877–9

TUBERCULOSIS, OCULAR

Orbital tuberculosis in childhood. Oakhill A, et al. **Br J Ophthalmol** 1982 Jun;66(6):396–7

DIAGNOSIS

Tuberculosis and syphilis [letter] Schlaegel TF Jr, et al. **Arch Ophthalmol** 1981 Dec;99(12):2206–7

Hyperfluorescent dots in the ciliary body band in patients with granulomatous uveitis. Kimura R. **Br J Ophthalmol** 1982 May;66(5):322–5

[Value of the photostress method in the diagnosis of tuberculous chorioretinitis and uveitis] Vodovozov AM, et al. **Oftalmol Zh** 1981;36(5):282–4 (Eng. Abstr.) **(Rus)**

[Allergic component in the clinical picture of ocular tuberculosis inflammation] Papsheva ZM. **Vestn Oftalmol** 1981 Jul–Aug;(4):41–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Therapy of endogenous uveitis. Tuberculostatics] Schmitt H. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980; 78:229–32 (47 ref.) (Eng. Abstr.) **(Ger)**

[Data on the current treatment of tuberculous uveitis] Cânciu G, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):289–91 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Sub-periosteal tuberculoma of the left lateral wall of orbit. Maria DL, et al. **Indian J Ophthalmol** 1981 Apr;29(1):47–9

Uveal tuberculosis. Ni C, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):103–24

VETERINARY

Intraocular granulomas associated with tuberculosis in primates. West CS, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1240–4

TUBERCULOSIS, ORAL see under **TUBERCULOSIS**

TUBERCULOSIS, OSTEOARTICULAR

Tubercular osteomyelitis of skull. Bhandari B, et al. **Indian J Pediatr** 1981 Jan–Feb;48(390):113–5

Tuberculous mastoiditis in children. Mugiyo KU, et al. **Paediatr Indones** 1981 May–Jun;21(5–6):125–31

[Tuberculosis trochanteric bursitis] Velasco Domínguez E, et al. **Rev Clin Esp** 1982 Jan 15;164(1):67–70 **(Spa)**

COMPLICATIONS

Cutaneous autoinoculation by Mycobacterium tuberculosis. Cohn JR, et al. **Arch Dermatol** 1982 May;118(5):363–5

[Paravertebral abscess penetrating into lung in patients with thoracico-vertebral tuberculosis (author's transl)] Wu QQ. **Chung Hua I Hsueh Tsa Chih** 1981 Aug;61(8):463–5 (Eng. Abstr.) **(Chi)**

[Tuberculous bursitis in a Pakistani immigrant] Hammershøy O, et al. **Ugeskr Laeger** 1981 Sep 14;143(38):2443 (Eng. Abstr.) **(Dan)**

[Painful shoulder in inflammatory diseases] Surace A, et al. **Chir Organi Mov** 1981;66(2):225–35 **(Ita)**

DIAGNOSIS

Tuberculosis of bone. Tuberculous osteomyelitis. Martini M, et al. **Acta Orthop Belg** 1981 Jan–Feb;47(1):95–103

Serologic diagnosis of bone and joint tuberculosis by an enzyme-linked immunosorbent assay. Stroebel AB, et al. **J Infect Dis** 1982 Aug;146(2):280–3

[Ultrasonic diagnosis of tuberculosis of vertebrae complicated by paravertebral or psoas abscess: with analysis of 81 cases (author's transl)] Ma HF. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):232–3 **(Chi)**

[Tuberculous arthritis] Kreutzfeldt M, et al. **Ugeskr Laeger** 1981 Sep 14;143(38):2442 (Eng. Abstr.) **(Dan)**

[Pubic tuberculous osteitis. Demonstration by transcutaneous puncture-lavage of the pubic symphysis (letter)] Bregeon C, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):745–6 **(Fre)**

[Osteoarthritis of the knee caused by Mycobacterium xenopi] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1982 May; 49(6):459–61 **(Fre)**

[Tuberculous osteitis of the sternum] Kuntz JL, et al. **Rev Rhum Mal Osteoartic** 1982 May;49(6):477–8 **(Fre)**

[Tuberculosis of the calcaneus. Treatment and differential diagnosis (author's transl)] Richter R, et al. **ROFO** 1981 Nov;135(5):583–7 (Eng. Abstr.) **(Ger)**

[Diagnostic significance of serological reactions in osteoarticular tuberculosis] Kochanova NK, et al. **Probl Tuberk** 1981 Jul;(7):43–6 (Eng. Abstr.) **(Rus)**

[Certain variants of atypical tuberculosis] Borisov IA, et al. **Ter Arkh** 1981;53(10):31–5 (Eng. Abstr.) **(Rus)**

[Causes of delayed diagnosis of osteoarticular tuberculosis (author's transl)] Maar D, et al. **Acta Chir Orthop Traumatol Cech** 1981 Jun;48(3):198–206 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

[Treatment of advanced and complicated variants of osteoarticular tuberculosis with rifampin and ethambutol] Sulelmanov I, et al. **Probl Tuberk** 1981 Dec;(12):49–52 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Bilateral tuberculous osteomyelitis of medial humeral condyles. Infection secondary to cutaneous inoculation. Shea JM. **JAMA** 1982 Feb 12;247(6):821–2

Tuberculosis after jejuno-ileal bypass for morbid obesity. Werbin N. **Postgrad Med J** 1981 Apr;57(666):252–3

[Pathogenetic problems of the degenerative and dystrophic changes in knee joint tuberculosis] Chigir' SN, et al. **Probl Tuberk** 1982;(1):48–50 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[The importance of immunological monitoring in the diagnosis and treatment of osteoarticular tuberculosis] Ciniglio G, et al. **Arch Putti Chir Organi Mov** 1981; 31:217–24 (Eng. Abstr.) **(Ita)**

OCCURRENCE

A decade of skeletal tuberculosis. Halsey JP, et al. **Ann Rheum Dis** 1982 Feb;41(1):7–10

Bone and Joint tuberculosis in Greater Manchester 1969–79. Newton P, et al. **Ann Rheum Dis** 1982 Feb;41(1):1–6

Tuberculosis as an orthopaedic problem in western Ireland. Lynch AF. **Ir Med J** 1981 Oct;74(10):298–9

Observations on hospital practice in Nepal and a survey of osteomyelitis and bone tuberculosis. Burgess PJ. **Trop Doct** 1982 Jan;12(1):23–8

[Trochanteric tubercular osteitis] Velasco Domínguez E, et al. **Rev Clin Esp** 1981 Dec 31;163(6):381–6 (Eng. Abstr.) **(Spa)**

[Osteoarticular tuberculosis in Sweden] Collert S, et al. **Lakartidningen** 1982 Feb 3;79(5):315–8 **(Swe)**

PATHOLOGY

The role of synovial biopsy in tuberculosis synovitis knee. Misgar MS, et al. **J Indian Med Assoc** 1981 Oct 16; 77(8):125–7

[The patellar focus, a rare form of localization of bone tuberculosis] Richter R, et al. **Z Orthop** 1982 Feb;120(1):5–9 (Eng. Abstr.) **(Ger)**

[Poncet's rheumatism (an analysis of 102 cases)] Utkina NM, et al. **Sov Med** 1981;(6):6–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A diagnostic approach to tuberculosis of bones and joints. Versfeld GA, et al. **J Bone Joint Surg [Br]** 1982;64(4):446–9

Ischiogluteal tuberculous bursitis with progressive bony destruction. Chafetz N, et al. **J Can Assoc Radiol** 1982 Jun; 33(2):119–20

[Diagnostic possibilities of the venospondylography in

tuberculous spondylitis] Tikhodeev SA. **Probl Tuberk** 1981 Sep;(9):28–31 (Eng. Abstr.) **(Rus)**
[Tuberculous osteitis of the calcaneus] Velasco Domínguez E, et al. **Rev Clin Esp** 1981 May 31;161(4):251–5 **(Spa)**

RADIONUCLIDE IMAGING

Skeletal scintigraphy in miliary tuberculosis: photopenia after treatment. Rust RJ, et al. **AJR** 1981 Oct;137(4):877–9
[Bone scintigraphy and diagnosis of osteoarticular tuberculosis in migrant workers. Study of a series of 50 scintigraphies] Coulaud JP, et al. **Ann Med Interne (Paris)** 1982;133(4):261–5 (Eng. Abstr.) **(Fre)**

SURGERY

Tuberculous spondylitis. Experience with costovertebrotomy—spondylodesis. Riskó T, et al. **Acta Chir Acad Sci Hung** 1980;21(1):99–102
Partial synovectomy in the treatment of tuberculosis of the knee. Misgar MS, et al. **Int Surg** 1982 Jan–Mar;67(1):53–5
A new technique of fusion for tuberculous arthritis of the elbow. Arafiles RP. **J Bone Joint Surg [Am]** 1981 Dec; 63–A(9):1396–400
[Tuberculosis of clavicle: report of 5 cases (author's transl)] Wu ZX. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):671 (Eng. Abstr.) **(Chi)**
[Bone regeneration, vascularization and osteoplasty in tuberculous, staphylococcal mixed infections] Boiarkina SK. **Probl Tuberk** 1981 Sep;(9):54–8 (Eng. Abstr.) **(Rus)**
[Effect of laser irradiation on bone regeneration after intra-articular necretomy in experimental tuberculous coxitis] Marakusha IG, et al. **Probl Tuberk** 1981 Aug; (8):69–71 (Eng. Abstr.) **(Rus)**

THERAPY

Tuberculosis of the greater trochanter. A report of eight cases. Lynch AF. **J Bone Joint Surg [Br]** 1982;64(2):185–8
[Osteoarticular tuberculosis. Review – current status of diagnosis and therapy] Leibe H, et al. **Zentralbl Chir** 1982; 107(5–6):322–42 (Eng. Abstr.) **(Ger)**
[Current aspects of the treatment of osteoarticular tuberculosis in children] Kovalenko DG, et al. **Probl Tuberk** 1982;(1):50–3 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, PERITONEAL

COMPLICATIONS

Choledochoduodenal fistula due to tuberculosis. Al Nakib B, et al. **Endoscopy** 1982 Mar;14(2):64–5
Ectopic endometriosis in peritoneum with tuberculosis. Mathur DR, et al. **J Indian Med Assoc** 1981 Jul 1;77(1):9–10

DIAGNOSIS

[Present aspects of peritoneal tuberculosis in Africa (study of 77 cases) (author's transl)] Gendron Y, et al. **Med Trop (Mars)** 1982 May–Jun;42(3):307–14 (Eng. Abstr.) **(Fre)**
[Pseudotuberculous hydatidosis of the peritoneum. Report of an autochthonous case (author's transl)] Doffoel M, et al. **Sem Hop Paris** 1982 Jan 28;58(4):246–9 **(Fre)**
[Tuberculous peritonitis. Study of 100 cases] Bitelman B, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):244–7 (Eng. Abstr.) **(Por)**
[Surgical tactics after intraoperative detection of abdominal tuberculosis] Guseinov GK. **Khirurgiia (Mosk)** 1982 May; 5:73–6 **(Rus)**
[Abdominal tuberculosis simulating a pancreatic tumor] de Andres de Colsa RM, et al. **Rev Esp Enferm Apar Dig** 1982 Mar;61(3):259–64 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Peritoneal biopsy suspected cases of tuberculous peritonitis with ascites. Chattopadhyay D, et al. **J Indian Med Assoc** 1981 Jun 1;76(11):206–8
Hepatic involvement in ascitic type of tuberculous peritonitis. Chattopadhyay D, et al. **J Indian Med Assoc** 1981 Jul 1; 77(1):6–8

TUBERCULOSIS, PLEURAL

BLOOD

[A study of hemostatics in patients with pleuritis tuberculosa (author's transl)] Fujiki S, et al. **Kekkaku** 1981 Aug; 56(8):385–90 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Course of primary tuberculosis in combination with helminth infestations] Kalinichev GA, et al. **Probl Tuberk** 1981 Jul; (7):30–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Blind pleural biopsy in combination with cytology of pleural effusions. Winkelmann M, et al. **Acta Cytol (Baltimore)** 1981 Jul–Aug;25(4):373–6

ENZYMOLOGY

[A preliminary report about the measurements of lysozyme activity on 40 cases of tuberculous meningitis and 30 cases of tuberculous pleurisy (author's transl)] Zu GR. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):275–7 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

In vitro tuberculin reactivity of lymphocytes from patients with tuberculous pleurisy. Fujiwara H, et al. **Infect Immun** 1982 Feb;35(2):402–9

OCCURRENCE

Tuberculous pleurisy. Enarson DA, et al. **Can Med Assoc J** 1982 Mar 1;126(5):493–5

PATHOLOGY

[Transdermal pleural biopsy in the patients with pleural effusion (author's transl)] Koteda T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Aug; 19(8):567–74 (Eng. Abstr.) **(Jpn)**

SURGERY

[Place of surgery in the complex treatment of tuberculosis of the respiratory organs] Bogush LK. **Probl Tuberk** 1982 May;(5):21–5 (Eng. Abstr.) **(Rus)**
[Surgical treatment of disseminated and complex forms of pulmonary tuberculosis] Nazarov Ch, et al. **Probl Tuberk** 1982 May;(5):25–8 (Eng. Abstr.) **(Rus)**
[Single-stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigai GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**
[Treatment of pneumopleurisy and acute pyopneumothorax in pulmonary tuberculosis] Vedishchev VT. **Probl Tuberk** 1981 Aug;(8):45–8 (Eng. Abstr.) **(Rus)**

THERAPY

[Treatment organization and effectiveness with newly detected respiratory organ tuberculosis patients at machine-building plants] Nechaeva OB, et al. **Probl Tuberk** 1981 Oct;(10):5–9 (Eng. Abstr.) **(Rus)**
[Use of ultrasound in the combined treatment of tuberculous pleurisy] Brazhenko NA, et al. **Voen Med Zh** 1982 Jan; (1):58–9 **(Rus)**
[Treatment of tuberculosis patients with residual pleural cavities after partial lung resections] Marina SI. **Voen Med Zh** 1982 Jan;(1):56–8 **(Rus)**

TUBERCULOSIS, PULMONARY

see related
COLLAPSE THERAPY
MASS CHEST X-RAY
PNEUMONECTOMY

Koch centennial supplement. 100th anniversary of the announcement of the discovery of the tubercle bacillus by Robert Koch, March 24, 1882. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):1–132
Tuberculosis: a review for clinicians. Glassroth J. **Clin Notes Respir Dis** 1981 Fall;20(2):5–13
[Model of destructive tuberculosis in guinea pigs] Khomenko AG, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):627–9 (Eng. Abstr.) **(Rus)**
[Deontological aspects of phthisiology] Smirnov GA. **Klin Med (Mosk)** 1981 Dec;59(12):88–92 (25 ref.) (Eng. Abstr.) **(Rus)**

BLOOD

Changes of copper, iron, and zinc in the serum of patients with silicosis, silicotuberculosis, and active lung tuberculosis. Niculescu T, et al. **Environ Res** 1981 Aug; 25(2):260–8
Serum fucose versus ESR in pulmonary tuberculosis. Sharma KK, et al. **Indian J Med Res** 1982 Mar;75:329–31
Augmentation of selective monocyte functions in tuberculosis. Ellner JJ, et al. **J Infect Dis** 1981 Nov; 144(5):391–8
Serum protein patterns of subfraction in patients with lung cancer and lung tuberculosis. Tsuji T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Oct 20;16(6):1282–91
Serum calcium in pulmonary tuberculosis. Sharma SC. **Postgrad Med J** 1981 Nov;57(673):694–6
[Serum sialic acid level (SSAL) in patients with cancer or tuberculosis of the lung (author's transl)] Wang FL, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):177–80 (Eng. Abstr.) **(Chi)**
[The relation between serum-bacteriostatic activity and the blood groups of patients with lung tuberculosis (author's transl)] Schwartz E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Sep; 250(3):330–42 (Eng. Abstr.) **(Ger)**
[Pyridoxine metabolism in pulmonary tuberculosis patients under rifampicin therapy in combination with isoniazid] Baframaliev G, et al. **Probl Tuberk** 1982;(1):58–62 (Eng. Abstr.) **(Rus)**
[Effect of the activity of specific processes on fatty acid composition of serum lipids in patients with pulmonary tuberculosis] Maliuk VI, et al. **Probl Tuberk** 1981 Dec; (12):38–41 (Eng. Abstr.) **(Rus)**
[Levels of serum sulfhydryl groups in pulmonary tuberculosis] Sushkin AG. **Probl Tuberk** 1981 Nov; (11):64–6 **(Rus)**
[Polarographic study of hemoglobin oxygenation in pulmonary tuberculosis] Ufimtseva TD, et al. **Probl Tuberk** 1981 Sep;(9):61–5 (Eng. Abstr.) **(Rus)**
[Changes of kallikrein-kinin system during surgery in patients with pulmonary tuberculosis] Kaminskaia GO, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):59–64 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Latent tuberculosis and anti-inflammatory agents [letter] Brennan M. **Can Med Assoc J** 1982 Jan 1;126(1):21

COMPLICATIONS

Tuberculosis and lung cancer risk in nonsmoking women. Hinds MW, et al. **Am Rev Respir Dis** 1982 Jun;125(6):776–8
Concurrent legionnaires' disease and active pulmonary tuberculosis. Milder JE, et al. **Am Rev Respir Dis** 1982 Jun;125(6):759–61
Hypercalcemia in pulmonary tuberculosis [letter] Diaz-Curiel M, et al. **Ann Intern Med** 1982 Jul;97(1):143
Hypercalcemia in active pulmonary tuberculosis [letter] Kitrou MP, et al. **Ann Intern Med** 1982 Feb;96(2):255
Cutaneous autoinoculation by Mycobacterium tuberculosis. Cohn JR, et al. **Arch Dermatol** 1982 May;118(5):363–5
Unfolding of the aorta (aortitis) associated with pulmonary tuberculosis. Umerah BC. **Br J Radiol** 1982 Mar; 55(651):201–3
A case in favour of Poncet's disease. Allen SC. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):952
Unusual development of arterial hypertension in an anephric patient during miliary tuberculosis of the lungs [letter] Bonadonna A, et al. **Clin Nephrol** 1982 Jun;17(6):323
Glucose tolerance in pulmonary tuberculosis. Seth SC, et al. **Horm Metab Res** 1982 Jan;14(1):50
Tuberculous aorto-arteritis. A case report. Sivashanmugam S, et al. **Indian Heart J** 1981 Mar–Apr;33(2):73–7
Genital manifestation of pulmonary tuberculosis. Tripathy SN, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):319–26
Coexisting carcinoma and active tuberculosis of the lung: 24 patients. Browne M, et al. **Ir J Med Sci** 1982 Mar; 151(3):75–8
Profile of tuberculosis in opium addicts. Purohit SD, et al. **J Assoc Physicians India** 1981 Jul;29(7):587–8
Active tuberculosis in a congenital lung cyst: a case report. Mayo P, et al. **J Ky Med Assoc** 1982 Feb;80(2):75–7
Petriellidium boydii fungus ball in a patient with active tuberculosis. Severo LC, et al. **Mycopathologia** 1982 Jan 15;77(1):15–7
Hypercalcemia in tuberculosis; a case with proved hyperparathyroidism. Kipnis S, et al. **NY State J Med** 1981 Sep;81(10):1517–8
Spectrum of clinical disease in pulmonary infection with Mycobacterium avium-intracellulare. Rosenzweig DY, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):1046–51
Unusual presentation of tuberculosis. A case report. Joshi P, et al. **S Afr Med J** 1981 Sep 12;60(11):435–8
Clinico-pathological conference. A case for St. Valentine's Day. **Scott Med J** 1982 Jul;27(3):257–63
Cryptococcal osteomyelitis, pulmonary sarcoidosis, and tuberculosis in a single patient. Shaff MI, et al. **South Med J** 1982 Feb;75(2):225–6
Empyema presenting over thirty years after pulmonary tuberculosis. Williams G, et al. **Tubercle** 1981 Jun; 62(2):139–41
[Observations on 100 cases of secondary anemia in pulmonary tuberculosis (author's transl)] Yang SY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):216–8 **(Chi)**
[Acute respiratory distress syndrome of tuberculous origin (letter)] Mayaud C, et al. **Nouv Presse Med** 1982 Feb 13; 11(7):528 **(Fre)**
[Bronchopneumonia in a patient with anthracosilicosis (clinical conference)] Noël JF, et al. **Rev Med Liege** 1981 Sep 15;36(18):684–8 **(Fre)**
[Functional repercussions of pulmonary tuberculosis, particularly their consequences and their therapy] Barras G. **Rev Med Suisse Romande** 1982 Mar;102(3):271–6 **(Fre)**
[Concomitant pulmonary tuberculosis and bronchogenic carcinoma: a difficult diagnosis. Report of eighteen cases (author's transl)] Cordier JF, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1752–5 (Eng. Abstr.) **(Fre)**
[Effect of alcoholism on the epidemiology and prognosis of tuberculosis] Ludes H. **Lebensversicherungsmedizin** 1982 Jun 14;34(5):105–7 (Eng. Abstr.) **(Ger)**
[Chronic alcoholism (clinical conference)] **Praxis** 1981 Jul 14;70(29):1314–21 **(Ger)**
[Apical pulmonary fibrosis in the course of ankylosing spondyloarthritis] Giordano N, et al. **Minerva Med** 1981 Oct 13;72(39):2625–30 (Eng. Abstr.) **(Ita)**
[Bronchogenic carcinoma in a tuberculosis ward (author's transl)] Nakamura K, et al. **Kekkaku** 1981 Aug;56(8):403–6 (Eng. Abstr.) **(Jpn)**
[Comparison of ratio of patients with dusty work between lung disease due to Mycobacterium avium-M. intracellulare complex and culture-positive lung tuberculosis (author's transl)] Tsukamura M. **Kekkaku** 1981 Sep;56(9):435–9 (Eng. Abstr.) **(Jpn)**
[Clinical conference at the Department of Thoracic Surgery, Tokai University. 2. Tuberculous cicatrical stenosis of the trachea] **Kyobu Geka** 1982;35(6):487–9 **(Jpn)**

[Recent experience with sleeve lobectomy for tuberculous stenosis of right main bronchus (author's transl)] Fujimura S, et al. **Kyobu Geka** 1981;34(8):599–603 (Eng. Abstr.) **(Jpn)**

[Diagnosis and treatment of 'acute abdomen' in patients with pulmonary tuberculosis] Zyskin LIu, et al. **Klin Khir** 1982 Apr;(4):40–2 **(Rus)**

[Relation between lung cancer and pulmonary tuberculosis] Belen'kii MS. **Klin Med (Mosk)** 1981 Dec;59(12):34–7 (Eng. Abstr.) **(Rus)**

[Association of staphylococcal infection and tuberculosis] Kakhidze SIa, et al. **Klin Med (Mosk)** 1981 Dec;59(12):81–3 **(Rus)**

[Pulmonary hemorrhage and hemoptysis in patients admitted to a tuberculosis hospital] Tabidze Sha, et al. **Klin Med (Mosk)** 1981 Dec;59(12):22–6 (Eng. Abstr.) **(Rus)**

[Residual metatuberculous changes as a cause of chronic nonspecific bronchopulmonary disease] Iashchenko BP, et al. **Probl Tuberk** 1981 Nov;(11):14–6 (Eng. Abstr.) **(Rus)**

[Course of primary tuberculosis in combination with helminth infestations] Kalinichev GA, et al. **Probl Tuberk** 1981 Jul; (7):30–3 (Eng. Abstr.) **(Rus)**

[Immunofluorescence in the diagnosis of nonspecific infection in tuberculosis] Kaliuk AN, et al. **Probl Tuberk** 1981 Dec; (12):57–60 (Eng. Abstr.) **(Rus)**

[Sequelae of past tuberculosis as a cause of disability] Khudushina TA, et al. **Probl Tuberk** 1981 Jun;(6):8–10 (Eng. Abstr.) **(Rus)**

[Effect of assisted artificial pulmonary ventilation on pulmonary capillary circulation and pulmonary artery pressure] Kirillov OV, et al. **Probl Tuberk** 1982 May; (5):47–50 **(Rus)**

[Effect of sanative treatment of the upper respiratory tracts on the course of nonspecific endobronchitis in pulmonary tuberculosis] Kolesova LI, et al. **Probl Tuberk** 1982; (1):39–42 (Eng. Abstr.) **(Rus)**

[Emergency states in pulmonary tuberculosis reactivation] Kolomiets VM. **Probl Tuberk** 1981 Oct;(10):72–3 **(Rus)**

[Pulmonary tuberculosis associated with lung cancer] Marchak VV, et al. **Probl Tuberk** 1981 Nov;(11):33–5 (Eng. Abstr.) **(Rus)**

[Characteristics of acute pneumonia in patients with active pulmonary tuberculosis and in previously healthy persons] Myskin MA, et al. **Probl Tuberk** 1981 Nov;(11):28–32 (Eng. Abstr.) **(Rus)**

[State of the bronchi in recurrent pulmonary tuberculosis] Ogii NV. **Probl Tuberk** 1981 Nov;(11):25–8 (Eng. Abstr.) **(Rus)**

[Role of liver biopsy in the verification of liver involvement in patients with pulmonary tuberculosis] Panasek IA, et al. **Probl Tuberk** 1981 Dec;(12):60–4 (Eng. Abstr.) **(Rus)**

[Incidence of hemoptysis in newly detected pulmonary tuberculosis] Piatnochka IT, et al. **Probl Tuberk** 1981 Aug; (8):53–5 (Eng. Abstr.) **(Rus)**

[Electric stimulation of the diaphragm in the treatment of acute respiratory insufficiency] Prilmak AA, et al. **Probl Tuberk** 1982 May;(5):41–7 (Eng. Abstr.) **(Rus)**

[Use of radioisotope methods for the detection of hepatitis B antigen carriers in tuberculosis patients] Shtefanaru LK. **Probl Tuberk** 1981 Dec;(12):45–8 (Eng. Abstr.) **(Rus)**

[Treatment of nonspecific endobronchitis in pulmonary tuberculosis patients] Sorokina TA. **Probl Tuberk** 1981 Jul; (7):27–30 (Eng. Abstr.) **(Rus)**

[Treatment of pneumopleurisy and acute pyopneumothorax in pulmonary tuberculosis] Vedishchev VT. **Probl Tuberk** 1981 Aug;(8):45–8 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Congenital tuberculosis in twins] De Angelis P, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):401–16 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Use of selected ion monitoring for detection of tuberculostearic and C32 mycocerosic acid in mycobacteria and in five-day-old cultures of sputum specimens from patients with pulmonary tuberculosis. Larsson L, et al. **Acta Pathol Microbiol Scand [B]** 1981 Aug;89(4):245–51

Diagnosing tuberculosis by fine-needle aspiration biopsy. Rothenberg J, et al. **Am Fam Physician** 1982 Jan; 25(1):119–20

Active tuberculosis undiagnosed until autopsy. Bobrowitz ID. **Am J Med** 1982 Apr;72(4):650–8

Diagnostic criteria for pulmonary disease caused by Mycobacterium kansasii and Mycobacterium intracellulare. Ahn CH, et al. **Am Rev Respir Dis** 1982 Apr;125(4):388–91

The atypical mycobacteria. Chapman JS. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):119–24

The tuberculin skin test. Snider DE Jr. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):108–18

Serodiagnosis of tuberculosis by radioimmunoassay. Winters WD, et al. **Am Rev Respir Dis** 1981 Nov;124(5):582–5

The detection of active pulmonary tuberculosis in Singapore. Goh EH. **Ann Acad Med Singapore** 1981 Jan;10(1):63–8

Presentation of pulmonary tuberculosis. Holmes P, et al. **Aust NZ J Med** 1981 Dec;11(6):651–3

The value of bronchoscopy in the diagnosis of mycobacterial disease. A five-year experience. Jett JR, et al. **Chest** 1981 Nov;80(5):575–8

Diagnosis of tuberculosis. Bailey WC. **Clin Chest Med** 1980 May;1(2):209–17 (11 ref.)

'Atypical' mycobacterioses. Rosenzweig DY. **Clin Chest Med** 1980 May;1(2):273–84 (77 ref.)

Chronic lung disease associated with Mycobacterium chelonei in an Indochinese refugee. Uhlmann RF, et al. **Clin Notes Respir Dis** 1982 Summer;21(1):13–4

Enzyme-linked immunosorbent assay (ELISA) for antibodies to purified protein derivative of tuberculin (PPD). IgM-, IgA- and IgG- anti-PPD antibodies in active pulmonary tuberculosis. Viljanen MK, et al. **Eur J Respir Dis** 1982 May;63(3):257–62

Digital spectrum analysis of respiratory sound. Chowdhury SK, et al. **IEEE Trans Biomed Eng** 1981 Nov;28(11):784–8

The diagnosis of tuberculosis in pediatric practice. Dingley HB. **Indian J Pediatr** 1981 Jan–Feb;48(390):51–3

A scoring system for the diagnosis of tuberculosis in children. Nair PH, et al. **Indian Pediatr** 1981 May;18(5):299–303

Misleading results from bone marrows cultured for mycobacteria. Dawson DJ, et al. **J Clin Microbiol** 1981 Oct;14(4):449–51

Tuberculosis surveillance of hospital personnel. Gaeuman JV. **JOM** 1981 Oct;23(10):695–8

Recording and preliminary analysis of respiratory sounds from tuberculosis patients. Majumder AK, et al. **Med Biol Eng Comput** 1981 Sep;19(5):561–4

Mycobacterium fortuitum-chelonei; two patients with fatal pulmonary infection. Bevelaqua FA, et al. **NY State J Med** 1981 Oct;81(11):1621–4

Tuberculosis returns [letter] Leggiadro RJ, et al. **Pediatrics** 1982 Sep;70(3):502

Unusual presentations of tuberculosis. Ellis ME. **Practitioner** 1982 Jan;226(1363):139–43

Pulmonary infections by atypical mycobacteria in a rural coastal region of Karnataka, India. Kotian M, et al. **Trop Geogr Med** 1981 Jun;33(2):117–21

Flexible fiberoptic bronchoscopy in the diagnosis of pulmonary tuberculosis. Uddenfeldt M, et al. **Tubercle** 1981 Sep;62(3):197–9

[The importance of sputum examination in cases of fibro-calcified pulmonary tuberculous (author's transl)] Wen FQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):271–2 (Eng. Abstr.) **(Chi)**

[A report on hematogenous type of pulmonary tuberculosis in 18 elderly patients including autopsy finding on 12 cases (author's transl)] Zhang JC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):168–71 (Eng. Abstr.) **(Chi)**

[Panel discussion: problems in the diagnosis of atypical pulmonary tuberculosis (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):469–71 **(Chi)**

[Acute respiratory distress syndrome of tuberculous origin in an intensive care unit. Clinical presentation and course (author's transl)] Chauveau P, et al. **Nouv Presse Med** 1981 Oct 17;10(37):3053–6 (Eng. Abstr.) **(Fre)**

[The general practitioner and lung tuberculosis (author's transl)] Robience YJ. **Rev Med Brux** 1981 Oct;2(8):703–11 (Eng. Abstr.) **(Fre)**

[Comparison of skin reactions (Mantoux) made with 2 common tuberculins in Switzerland: diagnostic and epidemiologic implications] de Haller R. **Schweiz Med Wochenschr** 1981 Nov 14;111(46):1748–51 (Eng. Abstr.) **(Fre)**

[Tuberculosis of the middle ear] Heumann H. **HNO** 1982 Jan;30(1):43 **(Ger)**

[Areactive generalized tuberculosis ('Landouzy sepsis') in immunosuppressive therapy] Jenss H, et al. **Internist (Berlin)** 1981 Aug;22(8):518–22 **(Ger)**

[Pulmonary mycobacterial infection with Myco. kansasii (author's transl)] Beckers B, et al. **Prax Klin Pneumol** 1982 May;36(5):257–9 (Eng. Abstr.) **(Ger)**

[Myco. nonchromogenicum in the sputum of 3 patients with pulmonary mycobacteriosis (author's transl)] Vincúrová M, et al. **Prax Klin Pneumol** 1982 Apr;36(4):190–2 (Eng. Abstr.) **(Ger)**

[Difficult diagnoses or diagnostic errors in general practice] Brandt H. **Z Arztl Fortbild (Jena)** 1981 Jun 1; 75(11–12):553–5 **(Ger)**

[A computerized information system of bacillary tuberculosis in the Czech Socialist Republic (author's transl)] Kubín M, et al. **Z Erkr Atmungsorgane** 1981;156(3):246–54 (Eng. Abstr.) **(Ger)**

[Microscopic and cultural methods for the laboratory diagnosis of tuberculosis. A short historical review (author's transl)] Petersen KF, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar; 251(3):308–25 (115 ref.) **(Ger)**

[Endoscopic examinations in the primary tuberculosis complex in childhood] Bolgiani MP, et al. **Ann Osp Maria Vittoria Torino** 1980 Jan–Jun; 23(1–6):69–111 (Eng. Abstr.) **(Ita)**

[Pulmonary tuberculosis suspected of lung cancer: a clinical study on seven operated cases (author's transl)] Hara H, et al. **Kekkaku** 1982 Apr;57(4):251–6 (Eng. Abstr.) **(Jpn)**

[A case of small-cell carcinoma misdiagnosed as lung tuberculosis in consequence of shadow regression during initial administration of rifampicin (author's transl)] Hirata S. **Kekkaku** 1981 May;56(5):275–80 (Eng. Abstr.) **(Jpn)**

[Diagnostic difficulties in bronchial tuberculosis] Zajaczkowska J, et al. **Pneumonol Pol** 1981 Feb; 49(2):113–20 (Eng. Abstr.) **(Pol)**

[Detection or diagnosis by symptoms?] **Rev Ig [Pneumoftiziol]** 1981 Oct–Dec;30(4):245–9 **(Rum)**

[Difficult diagnoses in pneumology] Bercea O, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):215–20 **(Rum)**

[Comparative study of the use of alcohol-hydrochloric acid and of sulfuric acid in Ziehl-Neelson staining] Bogdănescu V, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):157–64 (Eng. Abstr.) **(Rum)**

[Correlations between conventional allergometry and the Palmer types in interpretation of tuberculin skin tests] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec; 29(4):201–8 (Eng. Abstr.) **(Rum)**

[Errors in the diagnosis of pulmonary tuberculosis localized in the inferior lobe] Kostina ZI, et al. **Klin Med (Mosk)** 1981 Dec;59(12):18–22 (Eng. Abstr.) **(Rus)**

[Mathematical methods in the prehospital diagnosis of bronchopulmonary diseases in children] Dubovka TN, et al. **Pediatriia** 1982 Jan;(1):41–3 (Eng. Abstr.) **(Rus)**

[Pathogenesis of pulmonary tuberculosis in adults with atypical localization] Anastas'ev VS. **Probl Tuberk** 1981 Aug;(8):48–53 (Eng. Abstr.) **(Rus)**

[Characteristics in primary tuberculosis in preschool children] Charykova GP, et al. **Probl Tuberk** 1981 Nov;(11):7–9 (Eng. Abstr.) **(Rus)**

[Importance of immunological tests in the differential diagnosis of disseminated forms of sarcoidosis and tuberculosis] Chernushenko EF, et al. **Probl Tuberk** 1981 Oct;(10):16–20 (Eng. Abstr.) **(Rus)**

[Importance of refining the bacteriologic diagnosis of tuberculosis toward improving the performance of anti-tuberculosis institutions] Dvoirin MS, et al. **Probl Tuberk** 1982 May;(5):17–20 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course and early diagnosis of tuberculosis in adolescents] Firsova VA. **Probl Tuberk** 1981 Aug;(8):3–6 (Eng. Abstr.) **(Rus)**

[Cellular immunity evaluation in active pulmonary tuberculosis using the 2,4-dinitrochlorobenzene reaction] German AK, et al. **Probl Tuberk** 1981 Jul;(7):40–3 (Eng. Abstr.) **(Rus)**

[Characteristics of the clinical course and treatment of destructive pulmonary tuberculosis in patients over 60] German AK, et al. **Probl Tuberk** 1981 Aug;(8):56–8 (Eng. Abstr.) **(Rus)**

[Effectiveness of centralized control of tuberculosis diagnosis in newly detected patients, their treatment and dispensary observation] Ginzburg EA, et al. **Probl Tuberk** 1982; (1):11–5 (Eng. Abstr.) **(Rus)**

[Electroplethysmography and electrobronchography in the evaluation of regional pulmonary changes in tuberculosis] Kashin AV. **Probl Tuberk** 1981 Nov;(11):22–4 (Eng. Abstr.) **(Rus)**

[Diagnostic importance of the quantitative determination of the extent of bacteria excretion during the chemotherapy process in chronic destructive pulmonary tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1981 Jun;(6):17–22 (Eng. Abstr.) **(Rus)**

[Ultrasonic echotomography of the liver in pulmonary tuberculosis and other diseases] Koriakin VA, et al. **Probl Tuberk** 1981 Jun;(6):36–9 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of spherical formations in the lungs] Koriakin VA, et al. **Probl Tuberk** 1982;(1):23–5 (Eng. Abstr.) **(Rus)**

[Current aspects of detection of tuberculosis and other lung diseases] Lomako MN. **Probl Tuberk** 1982 Apr;(4):3–6 **(Rus)**

[Interpretation of the Mantoux test with 2 TU PPD-L in tuberculin reactions in children and adolescents and the method of determining tuberculosis infectivity] Mitinskaia LA, et al. **Probl Tuberk** 1981 Aug;(8):73–5 **(Rus)**

[Early detection of tuberculosis and nontuberculous lung diseases] Nikolaev IS, et al. **Probl Tuberk** 1982 Apr;(4):31–4 (Eng. Abstr.) **(Rus)**

[Differential diagnostic method in emphysema and pneumosclerosis accompanying pulmonary tuberculosis and silicotuberculosis] Norefko BV, et al. **Probl Tuberk** 1981 Oct;(10):44–7 (Eng. Abstr.) **(Rus)**

[Description of the work of a tuberculosis dispensary in diagnosing tuberculosis and other pulmonary diseases] Rudoi NM, et al. **Probl Tuberk** 1982 Feb;(2):9–13 (Eng. Abstr.) **(Rus)**

[Early diagnosis of tuberculosis in the pediatric clinic] Sakharova EA. **Probl Tuberk** 1981 Nov;(11):9–11 (Eng. Abstr.) **(Rus)**

[Reasons for diagnostic errors in establishing the etiology of infiltrative processes in the lungs] Slepova RI, et al. **Probl Tuberk** 1982;(1):26–8 (Eng. Abstr.) **(Rus)**

[Nature of the bronchial lesion in focal pulmonary tuberculosis] Strelis AK, et al. **Probl Tuberk** 1982;(1):32–4 (Eng. Abstr.) **(Rus)**

[Differentiation diagnosis of pulmonary tuberculosis and filariasis] Tiukhtin NS, et al. **Probl Tuberk** 1981 Oct; (10):67–9 **(Rus)**

[Tuberculin sensitivity of children with different forms of respiratory tuberculosis] Vladimirova MI, et al. **Probl Tuberk** 1982 Mar;(3):76–7 **(Rus)**

[Tuberculosis and peripheral cancer of the lung located in one bronchopulmonary segment] Zhingel' IP. **Probl Tuberk** 1982;(1):19–23 (Eng. Abstr.) **(Rus)**

[Methods for detecting patients with nonspecific diseases of the lungs and factors making their differential diagnosis

from tuberculosis more difficult] Rudoĭ NM, et al. **Ter Arkh** 1982;54(4):99–101 (Eng. Abstr.) **(Rus)**

[Immunological criteria in the differential diagnosis of pulmonary tuberculosis and protracted pneumonia] Molotkov VN, et al. **Vrach Delo** 1982 Feb;(2):95–7 (Eng. Abstr.) **(Rus)**

[Organization of bronchologic care of the patients with chronic nonspecific lung diseases] Ogiĭ NV. **Vrach Delo** 1981 Nov;(11):10–2 **(Rus)**

[Analysis of the initial forms of chronic pulmonary tuberculosis] Prosvirnov KP, et al. **Vrach Delo** 1982 Apr;(4):87–8 **(Rus)**

[Importance of bronchial cytological and bacteriological studies in the diagnosis of tuberculosis and chronic nonspecific lung diseases] Shesterina MV, et al. **Vrach Delo** 1982 Jan;(1):19–22 **(Rus)**

[Sensitivity and specificity of acid-fast smear technique for detection of pulmonary tuberculosis (author's transl)] Alenka G, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec;33(4):252–5 (Eng. Abstr.) **(Scr)**

[Pulmonary mycobacterial infections due to M. Kansasii (author's transl)] Prlja H, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec;33(4):302–6 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Short course chemotherapy for tuberculosis--a story of flawed studies [letter] **Am Rev Respir Dis** 1981 Nov; 124(5):655–60

Clinical trials in pulmonary tuberculosis. D'Esopo ND. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):85–93

Rifampin-containing chemotherapy for pulmonary tuberculosis associated with coal workers' pneumoconiosis. Jones FL Jr. **Am Rev Respir Dis** 1982 Jun;125(6):681–3

Shortest possible acceptable, effective ambulatory chemotherapy in pulmonary tuberculosis: preliminary report I. Mehrotra ML, et al. **Am Rev Respir Dis** 1981 Sep;124(3):239–44

Tuberculosis: a portal through which to view the future. Sbarbaro JA. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):127–32

Successful intermittent treatment of smear-positive pulmonary tuberculosis in six months: a cooperative study in Poland. Snider DE Jr, et al. **Am Rev Respir Dis** 1982 Feb;125(2):265–7

Chemotherapy for tuberculosis today. Stead WW, et al. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):94–101

Short-course (6-month) cooperative tuberculosis study in Poland: results 30 months after completion of treatment. Zierski M, et al. **Am Rev Respir Dis** 1981 Sep;124(3):249–51

Isoniazid-rifampin regimens for tuberculosis [letter] Farer LS, et al. **Ann Intern Med** 1981 Oct;95(4):518–9

A controlled trial of six months chemotherapy in pulmonary tuberculosis. First Report: results during chemotherapy. British Thoracic Association. **Br J Dis Chest** 1981 Apr; 75(2):141–53

Whither short-course chemotherapy? Fox W. **Br J Dis Chest** 1981 Oct;75(4):331–57 (74 ref.)

Survey of pulmonary tuberculosis in south and west Wales [letter] Buechner HA. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1409–10

Survey of pulmonary tuberculosis in south and west Wales (1976–8). Monie RD, et al. **Br Med J [Clin Res]** 1982 Feb 20;284(6315):571–3

Changing treatment of tuberculosis. Grzybowski S, et al. **Can Med Assoc J** 1982 Mar 1;126(5):457–8

BTA short-course chemotherapy studies. Angel JH. **Chest** 1981 Dec;80(6):722–4

Short-course chemotherapy. The Arkansas experience. Dutt AK, et al. **Chest** 1981 Dec;80(6):724–7

Studies in short-course chemotherapy for tuberculosis. Basis for short-course chemotherapy. Grosset J. **Chest** 1981 Dec; 80(6):719–20

Liver alterations in antituberculosis regimens containing pyrazinamide. Pilheu JA, et al. **Chest** 1981 Dec;80(6):720–2

Preliminary results of six-month regimens studied in the United States and in Poland. Snider D Jr, et al. **Chest** 1981 Dec;80(6):727–9

Chemotherapy of tuberculosis for the 1980's. Dutt AK, et al. **Clin Chest Med** 1980 May;1(2):243–52 (35 ref.)

Bacteriologic basis of short-course chemotherapy for tuberculosis. Grosset J. **Clin Chest Med** 1980 May; 1(2):231–41 (32 ref.)

Tuberculous pericarditis developing during chemotherapy. Hirasing RA, et al. **Eur J Respir Dis** 1982 Jan;63(1):73–6

Advances in chemotherapy for pulmonary tuberculosis [editorial] Tala E. **Eur J Respir Dis** 1982 Mar;63(2):81–3

Short course chemotherapy for tuberculosis. McDonagh DJ. **J Ky Med Assoc** 1981 Mar;79(3):153

Prevention and modern treatment of tuberculosis. **J Med Soc NJ** 1982 Mar;79(3):237–42

When is pulmonary tuberculosis cured? [editorial] **Lancet** 1982 May 22;1(8282):1163–4

When is pulmonary tuberculosis cured? [letter] Buechner HA. **Lancet** 1982 Jun 26;1(8287):1462

Study of a policy to minimise the prescription of medicaments at first attendance at chest clinics. Krishnaswami KV, et al. **Lancet** 1982 Aug 28;2(8296):483–6

Accelerated growth of lung cancer in association with rifampicin administration for tuberculosis [letter] Rodescu D, et al. **Lancet** 1981 Oct 31;2(8253):983

Antituberculous drugs. Yoshikawa TT, et al. **Med Clin North Am** 1982 Jan;66(1):209–19 (52 ref.)

Drugs for tuberculosis. **Med Lett Drugs Ther** 1982 Feb 19; 24(603):17–9

Tuberculosis chemotherapy in low-prevalence countries,--at present and in future. Anastasatu C. **Rev Ig [Pneumoftiziol]** 1981 Oct–Dec;30(4):195–200

Chemotherapy for pulmonary disease due to Mycobacterium kansasii: efficacies of some individual drugs. Ahn CH, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):1028–34

Treatment of pulmonary disease due to Mycobacterium kansasii: recent experience with rifampin. Pezzia W, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):1035–9

The treatment of tuberculosis [letter] **S Afr Med J** 1982 Mar 6;61(10):340–1

The treatment of tuberculosis [letter] Collins TF. **S Afr Med J** 1981 Nov 14;60(20):767

Short-course chemotherapy for pulmonary tuberculosis. A 100-day interrupted regimen. Escreet BC, et al. **S Afr Med J** 1981 Dec 19;60(25):951–5

Short-course chemotherapy for pulmonary tuberculosis. Points of interest. Zabow M, et al. **S Afr Med J** 1982 Jun 5;61(23):867–70

Short-course chemotherapy for tuberculosis. Anderson HR. **South Med J** 1982 Feb;75(2):132–3

Acid-base and electrolyte abnormalities due to capreomycin. Darr M, et al. **South Med J** 1982 May;75(5):627–8

Atypical mycobacterial infections: a clinical study of 92 patients. Kim TC, et al. **South Med J** 1981 Nov; 74(11):1304–8

Nine-month chemotherapy for pulmonary tuberculosis. Spagnolo SV, et al. **South Med J** 1982 Feb;75(2):134–7, 142

Treatment of pulmonary infections caused by mycobacteria of the Mycobacterium avium-intracellulare complex. Hunter AM, et al. **Thorax** 1981 May;36(5):326–9

An assessment of default and non-compliance in tuberculosis control in Pakistan. Sloan JP, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):717–8

Tuberculosis programme in a Somali refugee camp. Watson W. **Trop Doct** 1982 Apr;12(2):92–3

Clinical trial of six-month and four-month regimens of chemotherapy in the treatment of pulmonary tuberculosis: the results up to 30 months. **Tubercle** 1981 Jun;62(2):95–102

A study of the characteristics and course of sputum smear-negative pulmonary tuberculosis. **Tubercle** 1981 Sep; 62(3):155–67

The role of low dosage prothionamide with and without 4,4'-diamino diphenyl sulphone for use with isoniazid in the treatment of experimental mouse tuberculosis. Grosset J, et al. **Tubercle** 1982 Mar;63(1):37–43

Serum uric acid concentrations and arthralgia among patients treated with pyrazinamide-containing regimens in Hong Kong and Singapore. Jenner PJ, et al. **Tubercle** 1981 Sep; 62(3):175–9

A randomised study of two policies for managing default in out-patients collecting supplies of drugs for pulmonary tuberculosis in a large city in South India. Krishnaswami KV, et al. **Tubercle** 1981 Jun;62(2):103–12

[Ambulant primary treatment of pulmonary tuberculosis: retrospective analysis of 109 cases followed-up for seven years (author's transl)] Hu PY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):219–20 **(Chi)**

[Acute miliary pulmonary tuberculosis in adults: clinical analysis of 100 cases (author's transl)] Huang WL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Dec;3(4):213–5 **(Chi)**

[Rate of acetylation of isoniazid in pulmonary tuberculosis and its relationship with effect and side-effects of treatment (author's transl)] Zhang LX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Dec;4(6):349–51 (Eng. Abstr.) **(Chi)**

[Seminar: discussion on the chemotherapy of pulmonary tuberculosis and related problems (author's transl)] Shen ZL. **Chung Hua Nei Ko Tsa Chih** 1980 Nov;19(6):472–5 **(Chi)**

[Relative importance of primary resistance in the cure rate of tuberculosis in Niger] Pestiaux JL, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):61–5 (Eng. Abstr.) **(Fre)**

[National survey on pulmonary tuberculosis treatment. Bacteriological results] Boulahbal F, et al. **Arch Inst Pasteur Alger** 1978–79;53:186–200 (Eng. Abstr.) **(Fre)**

[Survey on tuberculosis treatment in the Sahara. Preliminary bacteriological results] Khaled S, et al. **Arch Inst Pasteur Alger** 1978–79;53:201–15 (Eng. Abstr.) **(Fre)**

[Duration of the treatment of tuberculosis in 1981] Sors C, et al. **Nouv Presse Med** 1982 Mar 6;11(11):831 **(Fre)**

[The pharmacokinetics of isoniazid in children (author's transl)] Advenier C, et al. **Rev Fr Mal Respir** 1981; 9(5):365–74 (Eng. Abstr.) **(Fre)**

[The influence of therapeutical and biological parameters on the appearance of side effects and complaints during intermittent chemotherapy of pulmonary tuberculosis (author's transl)] Eule H, et al. **Prax Klin Pneumol** 1981 Aug;35(8):347–53 (Eng. Abstr.) **(Ger)**

[Compliance of tuberculous patients in a chest hospital (author's transl)] Nagy P, et al. **Prax Klin Pneumol** 1982 Feb;36(2):89–92 (Eng. Abstr.) **(Ger)**

[Negative effects of cigarette smoking on chemo-antibiotic therapy in patients with pulmonary tuberculosis] Parrella M, et al. **Arch Monaldi** 1980 Sep–Dec;35(5–6):313–26 (Eng. Abstr.) **(Ita)**

[High-titer adrenal cortex extracts as collateral therapy in pulmonary tuberculosis] Moreo G, et al. **Clin Ter** 1982 Feb 15;100(3):249–59 (Eng. Abstr.) **(Ita)**

[Tuberactinomycin-N (enviomycin-EVM) in the treatment of pulmonary tuberculosis (author's transl)] Ishikawa H, et al. **Kekkaku** 1981 Jul;56(7):369–74 (Eng. Abstr.) **(Jpn)**

[A case of tuberculosis with a transient aggravation during initial phase of chemotherapy (author's transl)] Kishimoto H, et al. **Kekkaku** 1982 Feb 15;57(2):95–8 (Eng. Abstr.) **(Jpn)**

[Short-course chemotherapy for pulmonary tuberculosis (author's transl)] Yamamoto K. **Kekkaku** 1981 Sep; 56(9):445–56 (Eng. Abstr.) **(Jpn)**

[Problems in treatment of pulmonary tuberculosis: in terms of bacteriologic relapse (author's transl)] Mochizuki K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep; 18(9):597–604 (Eng. Abstr.) **(Jpn)**

[Results of a survey conducted in various Polish centers on the treatment effectiveness in active tuberculosis and drug resistance] Pręgowski W. **Pneumonol Pol** 1981 Jul; 49(7):521–5 (Eng. Abstr.) **(Pol)**

[Results of bronchoscopic examinations of tuberculosis patients undergoing complex chemotherapy] Abdurașitova TV. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):185–8 **(Rum)**

[Short-term anti-tubercular chemotherapy in the light of current trends] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):239–43 **(Rum)**

[Effectiveness of abbreviated biphasic treatment in pulmonary tuberculosis] Cramer G. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):177–80 **(Rum)**

[Post-tuberculosis syndromes appearing in cases undergoing initial chemotherapy] Didilescu C. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):173–6 (Eng. Abstr.) **(Rum)**

[Current chemotherapy of tuberculosis and its effectiveness in Bulgaria] Radanov R. **Rev Ig [Pneumoftiziol]** 1981 Oct–Dec;30(4):237–40 **(Rum)**

[Failures of standardized treatments in pulmonary tuberculosis. Possibilities of prevention and therapeutic recovery] Sava N, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):165–72 (Eng. Abstr.) **(Rum)**

[Results of 6-month and 9-month treatments with rifampin, isoniazid and ethambutol in cases of newly detected tuberculosis] Szymanski A, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul–Sep;30(3):181–3 **(Rum)**

[Evolution of serum parameters of iron metabolism and of the natural resistance of tuberculosis patients under treatment] Vasile DI, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):221–7 (Eng. Abstr.) **(Rum)**

[Chemotherapy effectiveness in destructive pulmonary tuberculosis in the middle-aged and elderly using different methods of administering the preparations] Abrarov BA, et al. **Probl Tuberk** 1982 Mar;(3):34–7 (Eng. Abstr.) **(Rus)**

[Use of deoxyribonuclease in the treatment of experimental tuberculosis] Ertevtsian LN, et al. **Probl Tuberk** 1981 Sep; (9):40–4 (Eng. Abstr.) **(Rus)**

[Factors affecting the efficacy of the treatment of tuberculosis patients discharging drug-resistant mycobacteria] Fomicheva NI, et al. **Probl Tuberk** 1981 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

[Side effects in pulmonary tuberculosis patients in different chemotherapy methods] Gol'dshtein VD, et al. **Probl Tuberk** 1981 Oct;(10):37–40 (Eng. Abstr.) **(Rus)**

[Chemotherapy effectiveness using tuberculin, prodigiozan and pyrogenal in destructive pulmonary tuberculosis] Insanov AV. **Probl Tuberk** 1981 Oct;(10):31–2 (Eng. Abstr.) **(Rus)**

[Comparative assessment of pathogenic agents in the combined treatment of respiratory organ tuberculosis] Karapetian ET, et al. **Probl Tuberk** 1982 Mar;(3):40–4 (Eng. Abstr.) **(Rus)**

[Effect of levomycetin and nitrofuran preparations on pulmonary tuberculosis during experimental nonspecific therapy] Khanin AL, et al. **Probl Tuberk** 1982 May; (5):69–70 **(Rus)**

[Treatment results in lower-lobe pulmonary tuberculosis] Kostina ZI, et al. **Probl Tuberk** 1981 Jul;(7):16–20 (Eng. Abstr.) **(Rus)**

[Indications for using antikinin preparations and blood kinin system activators in the combined treatment of pulmonary tuberculosis] Makinskii AI. **Probl Tuberk** 1981 Oct; (10):33–7 (Eng. Abstr.) **(Rus)**

[Differential pathogenetic therapy in the complex treatment of patients with destructive pulmonary tuberculosis] Molotkov VN, et al. **Probl Tuberk** 1982 Feb;(2):45–8 (Eng. Abstr.) **(Rus)**

[Dynamics of the release of bacilli and the closing of caverns in newly identified tuberculosis patients undergoing different chemotherapeutic regimens] Muratov VV, et al. **Probl Tuberk** 1981 Dec;(12):30–4 (Eng. Abstr.) **(Rus)**

[Treatment effectiveness in newly detected destructive pulmonary tuberculosis using different combinations of chemical preparations] Pospelov VV, et al. **Probl Tuberk** 1982 Mar;(3):38–40 (Eng. Abstr.) **(Rus)**

[Timing and criteria of termination of basic chemotherapy in patients with pulmonary tuberculosis] Rudoĭ NM, et al. **Probl Tuberk** 1981 Dec;(12):3–6 (Eng. Abstr.) **(Rus)**

[Dynamics of various immunobiochemical and encephalographic indices during polychemotherapy of pulmonary tuberculosis patients] Sagalovich VIa, et al. **Probl Tuberk** 1982 Feb;(2):36–41 (Eng. Abstr.) **(Rus)**

[Effect of the inhalation of ultrasonic aerosols of tuberculostatic and pathogenetic agents on the bronchial mucosal ciliary apparatus in pulmonary tuberculosis] Shesterina MV, et al. **Probl Tuberk** 1981 Jun;(6):50–3 (Eng. Abstr.) **(Rus)**

[Biophysical methods of diagnosis of drug allergy in patients with pulmonary tuberculosis] Shutskaia EI, et al. **Probl Tuberk** 1982 Apr;(4):63–6 (Eng. Abstr.) **(Rus)**

[Characteristics of the treatment course and organization in chronic alcoholism in pulmonary tuberculosis patients] Utkin VV, et al. **Probl Tuberk** 1981 Oct;(10):9–12 (Eng. Abstr.) **(Rus)**

[Use of pyrogenal in the combined treatment of torpid destructive forms of pulmonary tuberculosis] Bilyk MA, et al. **Vrach Delo** 1982 Jan;(1):29–31 **(Rus)**

[Use of steroid preparations in the combined treatment of destructive pulmonary tuberculosis] Iashchenko BP, et al. **Vrach Delo** 1981 Sep;(9):105–7 **(Rus)**

[Treatment of pulmonary tuberculosis and chronic alcoholism] Kalabukha VA, et al. **Vrach Delo** 1981 Dec; (12):74–7 (Eng. Abstr.) **(Rus)**

[Use of prodectin in pulmonary tuberculosis] Safarov RN, et al. **Vrach Delo** 1981 Nov;(11):83–4 (Eng. Abstr.) **(Rus)**

[Effectiveness of outpatient chemotherapy of newly detected pulmonary tuberculosis among a rural population] Strakhov NS, et al. **Vrach Delo** 1981 Mar;(3):69–72 (Eng. Abstr.) **(Rus)**

[Light and electron microscopy studies of the liver in tuberculosis patients receiving rifampin isoniazid] Pilheu JA, et al. **Medicina (B Aires)** 1981;41(4):439–45 (Eng. Abstr.) **(Spa)**

[Clinical trials on chemotherapy of tuberculosis in Chile (author's transl)] Farga V. **Rev Med Chil** 1981 Aug; 109(8):769–73 (Eng. Abstr.) **(Spa)**

[Results of short course anti-tuberculous treatment (author's transl)] Yáñez A, et al. **Rev Med Chil** 1981 Jul;109(7):695–9 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Acid phosphatase and beta-glucuronidase activities of T and B lymphocytes in patients with pulmonary tuberculosis (author's transl)] Aoki H, et al. **Kekkaku** 1981 Jul; 56(7):347–54 (Eng. Abstr.) **(Jpn)**

[Phosphatase activity of the blood in patients with pulmonary tuberculosis] Grigorian VG, et al. **Klin Med (Mosk)** 1981 Dec;59(12):26–9 (Eng. Abstr.) **(Rus)**

[Alteration in activities of NAD-glycohydrolase, acid and alkaline phosphatases in blood cells tuberculosis] Grigorian VG, et al. **Vopr Med Khim** 1981 Mar–Apr;27(2):185–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pulmonal Mycobacterium intracellular infection in hairy-cell leukemia. Nielsen HK, et al. **Acta Haematol (Basel)** 1981; 66(4):264–6

Tuberculosis affecting a cadaveric renal allograft. Walker JF, et al. **Clin Nephrol** 1982 May;17(5):262–5

Tuberculous Addison's disease complicating dialysis. Neill JD, et al. **Conn Med** 1982 May;46(5):254–7

Pulmonary tuberculosis in children with acute lymphatic leukemia. Choudhry VP. **Indian J Pediatr** 1981 Jan–Feb; 48(390):117–9

Tuberculosis in dialysis patients. Smith EC. **Int J Artif Organs** 1982 Jan;5(1):11–2

Intraoral and pulmonary tuberculosis following dental treatment. Smith WH, et al. **Lancet** 1982 Apr 10; 1(8276):842–4

[Pulmonary tuberculosis caused by BCG (letter)] Ameille J, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1146 **(Fre)**

[Pathogenesis of pulmonary tuberculosis (author's transl)] Haenselt V. **Zentralbl Chir** 1982;107(5–6):267–72 (Eng. Abstr.) **(Ger)**

[A case of tracheo-bronchial tuberculosis induced by inhalation of corticosteroid (author's transl)] Wagai F, et al. **Kekkaku** 1982 Feb 15;57(2):89–93 (Eng. Abstr.) **(Jpn)**

[A case of acute myelogenous leukemia complicated with pulmonary tuberculosis and pulmonary mucormycosis (author's transl)] Miyamoto R, et al. **Rinsho Ketsueki** 1981 Jun;22(6):903–8 (Eng. Abstr.) **(Jpn)**

[Role of the fibrinolytic system in the formation of the destructive processes in pulmonary tuberculosis] Shul'gina ZL, et al. **Probl Tuberk** 1981 Jun;(6):47–50 (Eng. Abstr.) **(Rus)**

[Epidemiological significance of various foci of tuberculosis for children and adolescents] Shvartsev IS. **Probl Tuberk** 1981 Nov;(11):11–4 (Eng. Abstr.) **(Rus)**

[Development of tuberculosis in a sequestral section of the lung] Zhadnov VZ, et al. **Probl Tuberk** 1981 Oct;(10):69–70 **(Rus)**

FAMILIAL & GENETIC

[Genetic indices in pulmonary tuberculosis] Berezovskil BA, et al. **Probl Tuberk** 1981 Oct;(10):48–50 (Eng. Abstr.) **(Rus)**

[Role of hereditary factors in tuberculosis] Chukanova VP, et al. **Probl Tuberk** 1981 Nov;(11):46–50 (Eng. Abstr.) **(Rus)**

[Evaluation of blood cytogenetic changes in pulmonary tuberculosis] Koviazina AI, et al. **Probl Tuberk** 1981 Jul; (7):13–6 (Eng. Abstr.) **(Rus)**

[Distribution of HLA antigens in patients with tuberculosis] Khomenko AG, et al. **Ter Arkh** 1981;53(9):135–8 (Eng. Abstr.) **(Rus)**

[Anthropo-genetic indicators in pulmonary tuberculosis] Mostovoi IuM. **Vrach Delo** 1981 Mar;(3):66–9 (Eng. Abstr.) **(Rus)**

HISTORY

Roentgenology 1910. Stereoscopic radiography as diagnostic aid in pulmonary tuberculosis. by Emil G. Beck. **AJR** 1981 Oct;137(4):890–1

Tuberculosis and medical science. Middlebrook G. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):4–7

Tuberculosis in Canada: a century of progress. Gale GL. **Can Med Assoc J** 1982 Mar 1;126(5):526–9

Risk of dying from tuberculosis or cancer: further aspects of a possible association. Mercer AJ. **Int J Epidemiol** 1981 Dec;10(4):377–80

Richard Morton (1637–98) and his Phthisiologia. Keers RY. **Thorax** 1982 Jan;37(1):26–31

A century of treating tuberculosis. Bignall JR. **Tubercle** 1982 Mar;63(1):19–22

[Die Ätiologie der Tuberculose. Facsimile of the original contribution by Robert Koch in 'Berliner Klinische Wochenschrift' 10 April 1882] **Fortschr Med** 1982 Mar 25; 100(12):539 **(Ger)**

[100 years since the discovery of Mycobacterium tuberculosis (1882–1982). Robert Koch, author of the great discovery] Ferrari Sacco A, et al. **Minerva Med** 1982 Sep 8; 73(34):2199–202 **(Ita)**

[Comments on an unpublished consultation by Francesco Roncati] Manzi L. **Minerva Med** 1982 Jan 28;73(3–4):133–6 **(Ita)**

[History of tuberculosis in Japan—tuberculosis transmitted by Europeans?] Iwasaki T. **Kekkaku** 1981 Aug;56(8):407–22 **(Jpn)**

[Tuberculosis mortality in Lancut and environs 1786–1970. Study of the epidemic] Szpunar W. **Pneumonol Pol** 1981 Jul;49(7):527–35 (Eng. Abstr.) **(Pol)**

[Illness and death of King Sigismund II] Dudziński W. **Wiad Lek** 1981 Aug 15;34(16):1411–6 **(Pol)**

[200 years since the birth of Laennec] Anastasatu C. **Rev Ig [Pneumoftiziol]** 1981 Oct–Dec;30(4):250–1 **(Rum)**

[Development of sanatorium and health resort treatment of tuberculosis patients on the southern coast of the Crimea] Gulida MV. **Probl Tuberk** 1981 Jul;(7):65–8 **(Rus)**

IMMUNOLOGY

Mycobacterium fortuitum pulmonary infection associated with an antigen-selective defect in cellular immunity. Metcalf JF, et al. **Am J Med** 1981 Sep;71(3):485–92

Augmented neutrophil adherence in active and remote tuberculosis. Bass SN, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):643–5

Tuberculosis: susceptibility and resistance. Bates JH. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):20–4

The immunology of tuberculosis. Collins FM. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):42–9 (103 ref.)

Pathogenesis of pulmonary tuberculosis. Dannenberg AM Jr. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):25–9

Further study on the role of active T lymphocytes in human immunity to tuberculous infection. Hsieh KH, et al. **Ann Allergy** 1982 Mar;48(3):187–90

The immunology of tuberculosis. Daniel TM. **Clin Chest Med** 1980 May;1(2):189–201 (101 ref.)

Prostaglandin-dependent regulation of the in vitro proliferative response to mycobacterial antigens of peripheral blood lymphocytes from normal donors and from patients with tuberculosis or leprosy. Bahr GM, et al. **Clin Exp Immunol** 1981 Sep;45(3):646–53

Defective monocyte chemotaxis in pulmonary tuberculosis. Nielsen H, et al. **Eur J Respir Dis** 1982 Mar;63(2):122–9

Tuberculosis after cimetidine therapy: an adverse clinical immune effect? [letter] Perry G, et al. **Gastroenterology** 1982 Feb;82(2):395–6

Monocyte-mediated killing of schistosomula of Schistosoma mansoni: alterations in human Schistosomiasis mansoni and tuberculosis. Olds GR, et al. **J Immunol** 1981 Oct; 127(4):1538–42

Infection with Mycobacterium avium-intracellulare and the protective effects of Bacille Calmette-Guérin. Edwards ML, et al. **J Infect Dis** 1982 May;145(5):733–41

Immune responses to atypical mycobacterial lung infections. Collins FM, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):981–9

Effects of exposure to ozone on susceptibility to experimental tuberculosis. Thomas GB, et al. **Toxicol Lett** 1981 Sep; 9(1):11–7

Immune complexes in the spectrum of tuberculosis. Brostoff J, et al. **Tubercle** 1981 Sep;62(3):169–73

Immunological and clinical features of smear-positive pulmonary tuberculosis in East Java. Kardjito T, et al. **Tubercle** 1980 Dec;61(4):231–8

[Immunoglobulinic fragments of urinary proteins in patients affected by acute pneumonopathies, lung cancer and tuberculosis (author's transl)] Scrobogna S, et al. **Quad Sclavo Diagn** 1981 Mar;17(1):31–9 (Eng. Abstr.) **(Ita)**

[Immunological study on the background factors of intractable pulmonary tuberculosis patients (author's transl)] Takenaka S. **Kekkaku** 1981 May;56(5):267–74 (Eng. Abstr.) **(Jpn)**

[NK cell activity in pulmonary tuberculosis (author's transl)] Yoneda T, et al. **Kekkaku** 1982 Apr;57(4):233–7 (Eng. Abstr.) **(Jpn)**

[Serum and secretory immunoglobulins in pulmonary tuberculosis complicated by bronchial pathology] Kim ACh, et al. **Probl Tuberk** 1982;(1):63–6 (Eng. Abstr.) **(Rus)**

[Effect of corticosteroid hormones and pyrogenal on the humoral factors of natural immunity in pulmonary tuberculosis] Mezhebovskii VR. **Probl Tuberk** 1981 Jun; (6):25–8 (Eng. Abstr.) **(Rus)**

[Autoimmune processes in tuberculosis (literature review)] Morozov VL. **Probl Tuberk** 1981 Dec;(12):34–8 (Eng. Abstr.) **(Rus)**

[Viral hepatitis B and the antigen carrier state in tuberculosis patients] Vil'derman AM, et al. **Probl Tuberk** 1981 Jun; (6):43–7 (Eng. Abstr.) **(Rus)**

[Blood T-lymphocyte functional activity in pulmonary tuberculosis patients undergoing chemotherapeutic agent and vitamin treatment] Volosevich GV. **Probl Tuberk** 1982 Mar;(3):47–50 (Eng. Abstr.) **(Rus)**

[Immune reactivity of patients with different variants of lung tuberculoma] Puzik VI, et al. **Sov Med** 1981;(9):9–11 (Eng. Abstr.) **(Rus)**

[Immunocytoadherence indices in evaluating the specificity and activity of an inflammatory process] Autenshlius AI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):71–4 (Eng. Abstr.) **(Rus)**

[Sex-dependent sensitivity to tuberculin in adult patients with pulmonary tuberculosis (author's transl)] Badalík L, et al. **Bratisl Lek Listy** 1982 Jan;77(1):62–7 (Eng. Abstr.) **(Slo)**

[Tuberculin sensitivity at coincidence of tuberculosis and chronic bronchitis (author's transl)] Badalik L, et al. **Bratisl Lek Listy** 1982 Jan;77(1):40–4 (Eng. Abstr.) **(Slo)**

METABOLISM

[Response to water loading in patients with pulmonary tuberculosis (author's transl)] Suo J, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun;80(6):605–10 (Eng. Abstr.) **(Chi)**

[The difference between carcinomatous and tuberculous pleural fluid in fibrin and fibrinogen metabolism (author's transl)] Suzuki S, et al. **Rinsho Ketsueki** 1981 Feb; 22(2):186–93 (Eng. Abstr.) **(Jpn)**

[Pharmacokinetic characteristics of streptomycin and isoniazid administered in ultrasonic aerosols to patients with respiratory organ tuberculosis] Brant AL, et al. **Antibiotiki** 1981 Aug;26(8):628–32 (Eng. Abstr.) **(Rus)**

[Pharmacokinetics of antituberular preparations in the caseous necrotic sites and foci of pulmonary tuberculosis patients] Kislitsyna NA, et al. **Probl Tuberk** 1981 Oct; (10):28–30 (Eng. Abstr.) **(Rus)**

[Gastric secretion in pulmonary tuberculosis] Pak FP, et al. **Probl Tuberk** 1982 Feb;(2):24–8 (Eng. Abstr.) **(Rus)**

[Isoniazid pharmacokinetics in the combined chemotherapy of tuberculosis] Sokolova GB, et al. **Probl Tuberk** 1981 Oct;(10):24–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Presenting symptoms of patients with active pulmonary tuberculosis in Singapore. Goh EH. **Ann Acad Med Singapore** 1981 Jan;10(1):56–62

A simple diagnostic culture method for use in a tuberculosis control programme. Sathianathan S, et al. **Bull WHO** 1981; 59(6):919–21

Candida in pulmonary tuberculosis. Jain SK, et al. **J Postgrad Med** 1982 Jan;28(1):24–9

The etiologic role of M. bovis in the pulmonary and urogenital tuberculosis. Blagodarny YA, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):245–9

Pulmonary infection caused by atypical mycobacteria: a report of 24 cases in Thailand. Sriyabhaya N, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):1085–9

Cavitary lung infection caused by Mycobacterium flavescens. Casimir MT, et al. **South Med J** 1982 Feb;75(2):253–4

Mycobacterial antibodies after tuberculin testing, BCG-vaccination, BCG-immunotherapy and against cross-reacting antigens in a solid-phase radioimmunoassay. Mauch H, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Mar;251(3):380–8

[Relative importance of primary resistance in the prognosis for cure of tuberculosis patients in Niger] Pestiaux JL, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):61–5 (Eng. Abstr.) **(Fre)**

[Growth of mycobacteria from dry sputum smears Identification and sensitivity of strains from Kinshasa, Zaire] Pouthier-Simon F, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):503–15 **(Fre)**

[Bacteriologic study of 174 strains of the tubercle bacillus isolated from new patients in Niger] Rey JL, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):55–60 (Eng. Abstr.) **(Fre)**

[Bacteriological study of 174 mycobacterial strains isolated from tuberculosis patients in Niger] Rey JL, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):55–60 (Eng. Abstr.) **(Fre)**

[Critical analysis of practical sensitivity tests in the evaluation of the primary resistance rate of tuberculosis bacilli to

antibiotics] Boulahbal F, et al. **Arch Inst Pasteur Alger** 1978-79;53:291-8 (Eng. Abstr.) **(Fre)**

[A case of pulmonary mycobacteriosis due to Mycobacterium intracellulare (author's transl)] Demoulin L, et al. **Pathol Biol (Paris)** 1982 Feb;30(2):102-5 (Eng. Abstr.) **(Fre)**

[Isolation of mycobacterium szulgai in a patient with pulmonary tuberculosis (author's transl)] Vincúrová M, et al. **Prax Klin Pneumol** 1981 Aug;35(8):374-5 (Eng. Abstr.) **(Ger)**

[Detection of an alga of the genus Prototheca in the blood of a tuberculosis patient] Otto N, et al. **Z Gesamte Inn Med** 1981 May 1;36(9):300-2 (Eng. Abstr.) **(Ger)**

[An epidemiological survey of Group A-, B-, C-, and G-hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part II: Personal follow-ups (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):68-73 (Eng. Abstr.) **(Jpn)**

[An epidemiological survey of Group A-, B-, C- and G-hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part I: Rate of detection and analysis by group and type (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan; 56(1):56-67 (Eng. Abstr.) **(Jpn)**

[An epidemiological survey of Group A-, B-, C- and G-hemolytic streptococci isolated from the throat of asthmatic, tuberculous and obese children. Part III: Susceptibility to antibiotics (author's transl)] Nakajima K, et al. **Kansenshogaku Zasshi** 1982 Jan;56(1):74-84 (Eng. Abstr.) **(Jpn)**

['Transient infection' of the lung due to Mycobacterium avium-Mycobacterium intracellulare complex (author's transl)] Tsukamura M, et al. **Kekkaku** 1981 Jun;56(6):309-17 (Eng. Abstr.) **(Jpn)**

[Mycobacterium tuberculosis L forms in patients with abacillary lung caverns] Berezovskiĭ BA, et al. **Probl Tuberk** 1981 Jun;(6):22-5 (Eng. Abstr.) **(Rus)**

[Mycobacterium tuberculosis with initial drug resistance in silicotuberculosis and pulmonary tuberculosis patients] Beskrovnyi PS, et al. **Probl Tuberk** 1982 Mar;(3):68-71 (Eng. Abstr.) **(Rus)**

[Significance of the copiousness of bacteria excretion in newly detected patients with destructive pulmonary tuberculosis] Kanevskaia SS. **Probl Tuberk** 1982 Mar; (3):31-4 (Eng. Abstr.) **(Rus)**

[Formation of a filterable form of the causative agent of tuberculosis in the chemotherapy process (an experimental study)] Khomenko AK, et al. **Probl Tuberk** 1982 Mar; (3):50-4 (Eng. Abstr.) **(Rus)**

[Optimization of the bacteriological study of tuberculosis patients] Kozulits'yna TI, et al. **Probl Tuberk** 1982 Mar; (3):27-31 (Eng. Abstr.) **(Rus)**

[Significance of mycobacterial L forms in the development of pulmonary tuberculosis relapses] Salobaĭ RIu, et al. **Vrach Delo** 1981 Dec;(12):77-80 (Eng. Abstr.) **(Rus)**

[Polyresistance of Mycobacterium] Terentieva AS, et al. **Vrach Delo** 1981 Nov;(11):85-6 (Eng. Abstr.) **(Rus)**

MORTALITY

[Mortality in patients with tuberculosis complicated by alcoholism] Molofeev AN, et al. **Probl Tuberk** 1981 Dec; (12):16-9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Tuberculosis in an elderly population [letter] Duthie EH Jr. **Ann Intern Med** 1981 Oct;95(4):519-20

Tuberculosis--a review of 498 recent admissions to hospital. Goldstein RS, et al. **Can Med Assoc J** 1982 Mar 1; 126(5):490-2

Screening for tuberculosis: how much is too much? [editorial] Mellor J. **Can Med Assoc J** 1982 Mar 1;126(5):458-9

Epidemiology of tuberculosis and the role of BCG. Grzybowski S. **Clin Chest Med** 1980 May;1(2):175-87 (13 ref.)

Prevalence of pulmonary tuberculosis among the industrial workers of Bombay. Mohanty KC. **Indian J Public Health** 1981 Apr-Jun;25(2):53-7

Tuberculosis in Belfast. Elwood JH, et al. **Ir J Med Sci** 1982 Apr;151(4):101-4

Tuberculosis in Gurkhas. Is there a greater incidence in those from East Nepal? Johnston JH, et al. **J R Army Med Corps** 1981 Oct;127(3):134-8

Tuberculosis survey (I) in Bay (Philippines). Tsuboi S, et al. **Kobe J Med Sci** 1981 Aug;27(4):159-63

Patients with recurrent tuberculosis. **MMWR** 1982 Jan 8; 30(52):645-7

Tuberculosis among Indochinese refugees--an update. **MMWR** 1981 Dec 11;30(48):603-6

Tuberculosis--United states 1981. **MMWR** 1982 Feb 12; 31(5):63

Epidemiologic studies of lung disease due to mycobacteria other than Mycobacterium tuberculosis in Japan. Tsukamura M, et al. **Rev Infect Dis** 1981 Sep-Oct; 3(5):997-1007

Tuberculosis in the 1980s, with particular reference to South Africa. Benatar SR. **S Afr Med J** 1982 Sep 4;62(11):359-64 (34 ref.)

Robert Koch and the 'epidemic' of letters on tuberculosis treatment [letter] Strebel PM. **S Afr Med J** 1982 May 15; 61(20):729

Atypical mycobacteria in Iraq. Al-Allaf GA, et al. **Trans R Soc Trop Med Hyg** 1981;75(3):469-70

Mycobacterium kansasii infection in an endemic area of Czechoslovakia. Kubin M, et al. **Tubercle** 1980 Dec; 61(4):207-12

A third study of case-finding methods for pulmonary tuberculosis in Kenya, including the use of community leaders. Nsanzumuhire H, et al. **Tubercle** 1981 Jun; 62(2):79-94

[Clinical analysis of 200 cases of acute miliary pulmonary tuberculosis (author's transl)] Hong Y. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):265-7 (Eng. Abstr.) **(Chi)**

[An outbreak of tuberculosis in a technical school (author's transl)] Yan DX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Apr;4(2):65-8 (Eng. Abstr.) **(Chi)**

[A retrospective study of 1,443 cases of tuberculosis (author's transl)] Chiang CH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan;80(1):129-35 (Eng. Abstr.) **(Chi)**

[Cross-sectional tuberculin and radiophotographic survey of endemic tuberculosis in Kinshasa, Zaire (1978-1979)] Willame JC, et al. **Ann Soc Belg Med Trop** 1981 Dec; 61(4):489-501 (Eng. Abstr.) **(Fre)**

[Estimations concerning the world incidence of positive pulmonary tuberculosis from sputum smears. Unreliability of official totals reported on tuberculosis] Styblo K, et al. **Bull Int Union Tuberc** 1981 Sep-Dec;56(3-4):129-38 **(Fre)**

[Epidemiology of tuberculosis in the area of Roubaix from 1974 to 1977] Barbieux H, et al. **Lille Med** 1981 Mar; 26(3):126-8 **(Fre)**

[Pulmonary tuberculosis relapses: report on 102 cases observed between 1977 and 1981 (author's transl)] Lancestre G. **Poumon Coeur** 1981;37(6):335-43 (Eng. Abstr.) **(Fre)**

[Prevalence of tuberculous infection] Cantin M, et al. **Union Med Can** 1981 Oct;110(10):885-90 (Eng. Abstr.) **(Fre)**

[Medical statistics on the current world situation with regard to pulmonary tuberculosis. Critical analysis of officially published figures and realistic assessment of the world-wide incidence of microscopically positive pulmonary tuberculosis] Styblo K, et al. **Fortschr Med** 1982 Mar 25;100(12):504-9 **(Ger)**

[Open pulmonary tuberculosis in Bavaria 1974-1976. Detection and status after 1, 2 and 5 years] Blaha H, et al. **Off Gesundheitswes** 1981 Aug;43(8):371-5 **(Ger)**

[Experiences from the last mass roentgen examination of the Munich population] Kranig B. **Off Gesundheitswes** 1981 Dec;43(12):612-6 **(Ger)**

[Early diagnosis and therapy of tuberculous lung diseases in ambulatory and hospital care. II] Landmann H. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):283-5 **(Ger)**

[20 years' treatment of urogenital tuberculosis with reference to the epidemiology and the general tuberculosis situation] Rothkopf M, et al. **Z Urol Nephrol** 1982 Apr;75(4):211-22 (Eng. Abstr.) **(Ger)**

[Data on tuberculosis epidemiology in medical students of the University of Naples] Galzerano G, et al. **Arch Monaldi** 1980 May-Jun;35(3):134-42 **(Ita)**

[Some recent topics in epidemiological research of tuberculosis] **Kekkaku** 1981 Nov;56(11):535-58 **(Jpn)**

[Studies on lung disease due to atypical mycobacteria in Japan--Report of the study in 1979 (author's transl)] **Kekkaku** 1981 Aug;56(8):391-401 (Eng. Abstr.) **(Jpn)**

[Analyses on chronic excretors of tubercle bacilli in Aichi Prefecture (author's transl)] Fujioka M, et al. **Kekkaku** 1980 Dec;55(12):539-44 (Eng. Abstr.) **(Jpn)**

[On the mechanism of senescence and tuberculosis in the aged. 4. Clinico-epidemiological study of tuberculosis in the aged] Fujioka M, et al. **Kekkaku** 1980 Dec; 55(12):557-60 **(Jpn)**

[On the mechanism of senescence and tuberculosis in the aged. 5. Clinical study of pulmonary tuberculosis in the aged] Kameda K. **Kekkaku** 1980 Dec;55(12):561-3 **(Jpn)**

[Incidence and course of pulmonary tuberculosis in smaller factories observed by the mode of detection (author's transl)] Kitazawa Y. **Kekkaku** 1981 Jun;56(6):301-7 (Eng. Abstr.) **(Jpn)**

[Ratio of number of patients with lung disease due to Mycobacterium avium-M. intracellulare complex against number of patients who showed culture-positive sputum specimens (author's transl)] Tsukamura M, et al. **Kekkaku** 1982 Jan;57(1):9-14 (Eng. Abstr.) **(Jpn)**

[Statistical analysis of tuberculosis among rural population in the Szczecin Voivodship in 1969 and subsequent follow-up] Turczynowski R. **Pneumonol Pol** 1981 Mar; 49(3):173-7 (Eng. Abstr.) **(Pol)**

[Current status of tuberculosis in the Socialist Republic of Romania and the prognosis for the next 5-year period (general report)] Anastasatu C, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct-Dec;29(4):229-38 **(Rum)**

[Tuberculosis in the industrial environment. Epidemiological aspects and preventive measures] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1981 Oct-Dec;30(4):201-12 (Eng. Abstr.) **(Rum)**

[Changes in tuberculosis morbidity (based on the data of Vinnitsa region)] Berezovskiĭ BA, et al. **Probl Tuberk** 1981 Dec;(12):7-10 (Eng. Abstr.) **(Rus)**

[Respiratory tuberculosis and bronchial asthma] Gol'dshteĭn VD, et al. **Probl Tuberk** 1982;(1):28-32 (Eng. Abstr.) **(Rus)**

[Characteristics of the tuberculosis dispensary patients] Iakovleva TA, et al. **Probl Tuberk** 1981 Sep;(9):3-5 (Eng. Abstr.) **(Rus)**

[Various epidemiological indicators of tuberculosis based on district tuberculosis dispensaries] Ianchenko EN, et al. **Probl Tuberk** 1981 Aug;(8):10-3 (Eng. Abstr.) **(Rus)**

[Tuberculosis morbidity and infectiousness among the population in rural districts] Kalankhodzhaev AA, et al. **Probl Tuberk** 1981 Jun;(6):6-8 (Eng. Abstr.) **(Rus)**

[Current makeup of group VII on dispensary registries] Maslauskene TP, et al. **Probl Tuberk** 1982 Feb;(2):6-9 (Eng. Abstr.) **(Rus)**

[Characteristics of pulmonary tuberculosis relapses] Kuznetsova GG. **Vrach Delo** 1981 Jul;(7):68-70 (Eng. Abstr.) **(Rus)**

[Unselective mass X-ray examination and its influence on the incidence of pulmonary diseases in out-patient department (author' transl)] Ustar-Latković M. **Plucne Bolesti Tuberk** 1981 Oct-Dec;33(4):337-45 (Eng. Abstr.) **(Scr)**

[Epidemiological trends of tuberculosis in Chile (author's transl)] Yáñez A. **Rev Med Chil** 1980 Dec;108(12):1175-81 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Pathogenesis of pulmonary tuberculosis. Dannenberg AM Jr. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):25-9

A comparative study of lymphocytes in effusions of patients with tuberculosis or malignant disease. Falcão RP, et al. **Clin Exp Immunol** 1981 Jul;45(1):201-4

A novel type of lymphocyte-macrophage association revealed electron microscopically in tuberculous lung lesions of mice. Kanai K, et al. **Jpn J Med Sci Biol** 1982 Feb;35(1):31-5

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 36-1982. A 69-year-old woman with a pulmonary mass and bronchostenosis. **N Engl J Med** 1982 Sep 9;307(11):670-5

An electron microscopy study of intra-cellular mycobacteria in experimental mouse tuberculosis. Kanai K, et al. **Tubercle** 1981 Sep;62(3):187-95

[Current notes on the clinical aspects of tuberculosis] Blaha H. **Fortschr Med** 1982 Mar 25;100(12):510-5 (Eng. Abstr.) **(Ger)**

[On the mechanism of senescence and tuberculosis in the aged. 3. Pathology of the lung and tuberculosis in aged people] Iwai K. **Kekkaku** 1980 Dec;55(12):554-7 **(Jpn)**

[Fibrotic induration in pulmonary tuberculosis (author's transl)] Iwai K. **Kekkaku** 1982 Jan;57(1):29-33 **(Jpn)**

[Histological characteristics of tuberculous cavity treated with rifampicin--a comparative study with cases treated by primary drugs (author's transl)] Tanaka I, et al. **Kekkaku** 1981 Jul;56(7):355-60 (Eng. Abstr.) **(Jpn)**

[Clinical and pathological problems in pulmonary tuberculosis (author's transl)] Iwai K. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Oct; 19(10):699-706 (Eng. Abstr.) **(Jpn)**

[Unique manifestations of the pathomorphosis of pulmonary tuberculosis] Braude VI. **Arkh Patol** 1982;44(1):29-34 (Eng. Abstr.) **(Rus)**

[Histochemical and ultrastructural characteristics of the lymphoid and plasma cells in experimental tuberculous granuloma] Erokhin VV, et al. **Probl Tuberk** 1981 Nov; (11):50-5 (Eng. Abstr.) **(Rus)**

[Cavern morphology and the dynamics of the bacterial population in different variants of an experimental model of cavernous pulmonary tuberculosis] Khomenko AG, et al. **Probl Tuberk** 1982;(1):53-8 (Eng. Abstr.) **(Rus)**

[Combination of disseminated pulmonary tuberculosis and tuberculosis of the tongue] Mulik LI, et al. **Probl Tuberk** 1981 Oct;(10):73 **(Rus)**

[Pathomorphological characteristics of tuberculosis in relation to the variability of the causative agent] Puzik VI, et al. **Probl Tuberk** 1981 Jul;(7):50-4 (Eng. Abstr.) **(Rus)**

[Oxidative phosphorylation in the lung tissue in tuberculosis] Tumanova TA. **Probl Tuberk** 1981 Nov;(11):55-9 **(Rus)**

[Primary tuberculosis] Cedrato A, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):341-4 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Is there a relation between previous tuberculosis and long-term survival after solid tumor chemotherapy? [letter] Greenspan EM. **Cancer Treat Rep** 1982 Jan;66(1):206-8

Sympathetic nervous systems in chronic hypoxic states from pulmonary tuberculosis: a clinical study on plasma norepinephrine and cyclic AMP levels. Watanabe E, et al. **Jpn J Med** 1981 Jul;20(3):180-7

[Studies on respiratory mechanism in patients of pulmonary tuberculosis by spirometric measurements (author's transl)] Zhang YW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Dec;4(6):355-7 (Eng. Abstr.) **(Chi)**

[Dynamics of cavity closure mechanisms (author's transl)] Schwabe HK. **Prax Klin Pneumol** 1981 Dec;35(12):1106-16 (Eng. Abstr.) **(Ger)**

[Comparison of the pulmonary diffusing capacity and ventilation indices in patients with pulmonary tuberculosis] Volkova KI. **Klin Med (Mosk)** 1981 Dec;59(12):30–4 (Eng. Abstr.) **(Rus)**

[Capillary blood flow in the lungs in pulmonary tuberculosis with adverse reactions to antibacterial drugs] Kozyreva AL. **Probl Tuberk** 1981 Nov;(11):44–6 (Eng. Abstr.) **(Rus)**

[Bronchial patency in mild forms of pulmonary tuberculosis] Pak FP, et al. **Probl Tuberk** 1981 Aug;(8):33–5 (Eng. Abstr.) **(Rus)**

[Capillary blood flow in pulmonary tuberculosis patients with various bronchial states] Shesterina MV, et al. **Probl Tuberk** 1981 Jul;(7):33–6 (Eng. Abstr.) **(Rus)**

[Microcirculatory changes in pulmonary tuberculosis] Struzhko IB, et al. **Probl Tuberk** 1981 Jul;(7):36–9 (Eng. Abstr.) **(Rus)**

[Regional lung functions in tuberculosis treated with tuberculin and chemotherapy] Tikhonov VA, et al. **Probl Tuberk** 1981 Aug;(8):58–62 (Eng. Abstr.) **(Rus)**

[Biomechanics of respiration in patients with pulmonary tuberculosis] Kuz'mina LV. **Vrach Delo** 1981 Nov;(11):81–2 (Eng. Abstr.) **(Rus)**

[Effect of sodium succinate on the acid-forming and motor activities of the stomach in tuberculosis] Maliuk VI, et al. **Vrach Delo** 1981 Oct;(10):60–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Tuberculosis control. Han JJ, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):48–9

The annual chest roentgenogram for the control of tuberculosis in hospital employees: recent changes and their implications. Cope R, et al. **Am Rev Respir Dis** 1982 Jan; 125(1):106–7

Chemoprophylaxis. Farer LS. **Am Rev Respir Dis** 1982 Mar; 125(3 Pt 2):102–7

BCG vaccination. Luelmo F. **Am Rev Respir Dis** 1982 Mar; 125(3 Pt 2):70–2

The management of household contacts of active pulmonary tuberculosis in Singapore. Chen CH, et al. **Ann Acad Med Singapore** 1981 Apr;10(2):242–7

Tuberculosis prophylaxis with isoniazid [letter] **Ann Intern Med** 1981 Oct;95(4):517–8

Tuberculosis and its control in Beijing. Kan GQ. **Chin Med J [Engl]** 1981 Oct;94(10):685–90

Chemoprophylaxis against tuberculosis. Farer LS. **Clin Chest Med** 1980 May;1(2):203–8 (23 ref.)

Problems of tuberculosis in developing countries. Pamra SP. **Clin Chest Med** 1980 May;1(2):265–71 (21 ref.)

Public health aspects of tuberculosis: supervision of therapy. Sbarbaro JA. **Clin Chest Med** 1980 May;1(2):253–63 (78 ref.)

Induction of resistance to tuberculosis in mice with defined components of mycobacteria and with some unrelated materials. Ribi E, et al. **Immunology** 1982 Jun;46(2):297–305

Further study on relationship of anti-tuberculous protection to lung granulomata produced by intravenous injections of synthetic 6-0-mycoloyl-N-acetyl-muramyl-L-alanyl-D-isoglutami with or without specific antigens. Yamamoto K, et al. **Immunology** 1982 Jun;46(2):473–9

Tuberculosis control: an uphill task in Pakistan. Jafri SA. **Int J Epidemiol** 1981 Dec;10(4):381–2

Is BCG vaccination effective? **Tubercle** 1981 Sep; 62(3):219–21

Retrospective assessment of the effectiveness of BCG vaccination against tuberculosis using the case-control method. Smith PG. **Tubercle** 1982 Mar;63(1):23–35

Inhibition of pulmonary granuloma formation in mice by treatment with Mycobacterial protoplasm and immuno-suppressants and its relation to protection against aerosol infection with virulent Mycobacterium tuberculosis. Yamamoto K, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1-2):127–41

[Campaign against tuberculosis in Czechoslovakia and perspectives for the future] Trnka L, et al. **Bull Int Union Tubere** 1981 Mar-Jun;56(1-2):5–10 **(Fre)**

[Factors related to a population's behaviour towards x-ray screening of tuberculosis (author's transl)] Liard R, et al. **Rev Epidemiol Sante Publique** 1982;30(1):85–97 (Eng. Abstr.) **(Fre)**

[Prevention, detection and treatment of pulmonary tuberculosis] Press P. **Rev Med Suisse Romande** 1982 Mar; 102(3):249–55 **(Fre)**

[BCG vaccination during changes in preventive strategies] Quast U. **Fortschr Med** 1982 Mar 25;100(12):524–9 **(Ger)**

[Efficacy of mass radiography in Schleswig-Holstein (author's transl)] Meier E, et al. **Prax Klin Pneumol** 1982 May;36(5):253–4 (Eng. Abstr.) **(Ger)**

[Integrated system of anti-tuberculosis supervision of several groups of high risk populations] Moisescu V, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul-Sep;30(3):189–91 **(Rum)**

[Main goals of tuberculosis control today] Mikhailov FA, et al. **Klin Med (Mosk)** 1981 Dec;59(12):8–11 **(Rus)**

[Seasonal changes and vaccination against tuberculosis] Sakharova EA. **Pediatriia** 1982 Apr;(4):63–4 **(Rus)**

[Organization and effectiveness of repeated mass screening of the population in a remote sparsely populated region] Adil'gozhin SA, et al. **Probl Tuberk** 1982 Feb;(2):13–7 (Eng. Abstr.) **(Rus)**

[Intensification of tuberculosis prevention measures in a large city] Al'khimovich VA. **Probl Tuberk** 1981 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

[Organization of the early detection of tuberculosis among adolescents] Dediukhin NV. **Probl Tuberk** 1981 Oct; (10):3–5 (Eng. Abstr.) **(Rus)**

[Outpatient observation of contingents of registration group VIIB] Gorak AG. **Probl Tuberk** 1982 May;(5):10–3 (Eng. Abstr.) **(Rus)**

[Role of the tuberculosis department of the Regional hospital in tuberculosis prevention] Khurdepa VV, et al. **Probl Tuberk** 1981 Dec;(12):10–3 **(Rus)**

[Centralized control over the main tuberculosis prevention measures in a large city] Kornetov AS, et al. **Probl Tuberk** 1981 Jul;(7):3–6 (Eng. Abstr.) **(Rus)**

[Integration of phthisiology an pulmonology in an industrial region] Kostenko AD. **Probl Tuberk** 1981 Aug;(8):14–5 (Eng. Abstr.) **(Rus)**

[Status and means of improving the prevention, early diagnosis and treatment of pulmonary tuberculosis in children] Kshanovskii SA, et al. **Probl Tuberk** 1981 Jun; (6):11–4 (Eng. Abstr.) **(Rus)**

[Chemoprophylaxis of tuberculosis in stock breeders and its effectiveness] Kurmanbaev KK, et al. **Probl Tuberk** 1981 Jul;(7):9–11 (Eng. Abstr.) **(Rus)**

[Effectiveness of tuberculosis control measures in trial districts and cities of Kazakhstan] Terlikbaev AA, et al. **Probl Tuberk** 1981 Jun;(6):3–6 (Eng. Abstr.) **(Rus)**

[Results of tuberculosis control in the Kazakh SSR in the 10th Five-Year Plan and immediate tasks] Terlikbaev AA, et al. **Probl Tuberk** 1982;(1):7–11 (Eng. Abstr.) **(Rus)**

[Level of health knowledge of industrial workers in matters of tuberculosis] Zakopallo GG. **Probl Tuberk** 1981 Jul; (7):11–3 (Eng. Abstr.) **(Rus)**

[Characteristics of the activities of a tuberculosis control dispensary] Ozhogina EP, et al. **Sov Med** 1981;(4):93–6 **(Rus)**

[Revaccination of servicemen against tuberculosis by the jet method] Ishkil'din MI. **Voen Med Zh** 1981 Dec;(12):46–8 **(Rus)**

PSYCHOLOGY

[Co-operation between chest physician and tuberculous patient (author's transl)] Forschbach G. **Prax Klin Pneumol** 1981 Oct;35(10):459–62 **(Ger)**

[Existential frustration, neuroses and value realization in patients with chronic pulmonary tuberculosis] Kulpa A. **Wiad Lek** 1981 Jul 15;34(14):1145–9 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Selective area tuberculosis surveys in Singapore 1978. Ng YK, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):50–5

Intracavitary mass in a patient with far-advanced tuberculosis. Lorenz R, et al. **Chest** 1982 Jul;82(1):91–2

Mass miniature radiography at the Tuberculosis Demonstration and Training Centre, Addis Ababa. Teklu B, et al. **Ethiop Med J** 1982 Jul;20(3):131–4

Lower lung field tuberculosis. Swain PC, et al. **J Indian Med Assoc** 1981 Apr;76(7-8):123–6

Tuberculosis aggressively refractory to the triple drug therapy. case report. Lampton LM, et al. **Mo Med** 1982 May;79(5):267–71

The rapid progression of a pulmonary tuberculosis disease state. Pearson JO. **S Afr Med J** 1981 Oct 31;60(18):707–8

[A roentgenologic study of large pulmonary tuberculoma in 75 cases (author's transl)] Wang YW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1982 Feb;5(1):15–6 **(Chi)**

[Differential diagnosis of abnormal hilar shadows in X-ray films: an analysis of 112 adult cases (author's transl)] Wang ZX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Mar;4(3):141–4 (Eng. Abstr.) **(Chi)**

[Primary tuberculosis in children - thoracic x-ray findings supply clue (author's transl)] Ball F, et al. **Rontgenblatter** 1982 Jan;35(1):30–8 (Eng. Abstr.) **(Ger)**

[A comparative study of the fate of cavities between lung tuberculosis and lung disease due to Mycobacterium avium-Mycobacterium intracellular complex (author's transl)] Tsukamura M. **Kekkaku** 1981 Jul;56(7):361–8 (Eng. Abstr.) **(Jpn)**

[Radiographic study on 12 cases of bronchial tuberculosis (author's transl)] Onohara S, et al. **Rinsho Hoshasen** 1982 Apr;27(4):425–9 **(Jpn)**

[Atypical picture of pulmonary tuberculosis simulating pulmonary carcinoma] Sienkiewicz T. **Wiad Lek** 1982 May 15;35(5):343–6 (Eng. Abstr.) **(Pol)**

[Attitude toward patients with pulmonary pathological images supposed to be tuberculosis but without bacteriological confirmation] Mihăilescu P, et al. **Rev Ig [Pneumoftiziol]** 1981 Jul-Sep;30(3):151–6 (Eng. Abstr.) **(Rum)**

[Computer study of the frequency of clinical x-ray signs of tuberculosis, chronic pneumonia and lung cancer] Litvin LM. **Probl Tuberk** 1981 Jul;(7):20–3 (Eng. Abstr.) **(Rus)**

[Clinical forms of pulmonary tuberculosis in assessing its timely detection] Smirnov GA, et al. **Probl Tuberk** 1981 Oct;(10):13–6 (Eng. Abstr.) **(Rus)**

[Calcinates in the lymph node of Botallo's duct indifferent age groups] Poletaev SD, et al. **Ter Arkh** 1981;53(12):32–4 (Eng. Abstr.) **(Rus)**

[Quantitative estimation of effectiveness of the treatment of chronic disseminated pulmonary tuberculosis by using roentgenodensitometry] Khachkuruzov SG. **Vestn Rentgenol Radiol** 1982 Jan-Feb;(1):41–8 **(Rus)**

[Differential roentgenological diagnosis of disseminated pulmonary tuberculosis in collagenoses] Sokolov VA. **Vestn Rentgenol Radiol** 1982 Jan-Feb;(1):38–41 **(Rus)**

RADIONUCLIDE IMAGING

Delineation of aspergilloma and granuloma with radiogallium and radiostrontium. Okuyama S, et al. **Sci Rep Res Inst Tohoku Univ [Med]** 1981 Dec;28(1-4):1–6

[Focal vascular reaction in pulmonary tuberculosis to the subcutaneous tuberculin test] Ershov AI, et al. **Probl Tuberk** 1981 Oct;(10):41–3 (Eng. Abstr.) **(Rus)**

SURGERY

The surgery for pulmonary tuberculosis. Gaensler EA. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):73–84

Surgical aspects of pulmonary tuberculosis. Pezzella AT, et al. **Milit Med** 1982 Feb;147(2):134–8

Radiologic problem of the month. Multiple lucencies of the chest. Subbarao K. **NY State J Med** 1982 Feb;82(2):192

Surgical management of pulmonary disease due to Mycobacterium avium-intracellulare. Corpe RF. **Rev Infect Dis** 1981 Sep-Oct;3(5):1064–7

[Current status of surgery of pulmonary tuberculosis (author's transl)] Schoefer G. **Zentralbl Chir** 1982;107(5-6):285–94 **(Ger)**

[Long-term observation of patients undergoing pneumonectomy due to pulmonary tuberculosis (author's transl)] Ohshima K. **Kekkaku** 1980 Dec;55(12):531–7 (Eng. Abstr.) **(Jpn)**

[Modern concept of pneumonectomy in the treatment of pulmonary tuberculosis based on an analysis of 83 patients undergone pneumonectomy more than 10 years ago (author's transl)] Sekiguchi K. **Kekkaku** 1982 Feb 15; 57(2):81–7 (Eng. Abstr.) **(Jpn)**

[Pulmonary tuberculosis (author's transl)] Ohata M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Sep;18(9):591–6 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of tuberculosis patients with heart defects] Chefranov VS, et al. **Grudn Khir** 1982 May-Jun; (3):42–5 (Eng. Abstr.) **(Rus)**

[Long-term results of surgery in 1,000 patients with pulmonary tuberculosis] Fridman DIa, et al. **Grudn Khir** 1981 Sep-Oct;(5):49–51 (Eng. Abstr.) **(Rus)**

[Results of surgical treatment of severe variants of pulmonary tuberculosis] Kariev TM, et al. **Grudn Khir** 1981 Sep-Oct; (5):46–9 (Eng. Abstr.) **(Rus)**

[Incidence and causes of complications and mortality after pulmonectomy and pleutopulmonectomy in pulmonary tuberculosis] Kim'iagarov IaE, et al. **Grudn Khir** 1981; (6):46–8 (Eng. Abstr.) **(Rus)**

[Blood transfusions in tuberculosis patients with massive and ultramassive intraoperative blood loss] Savonicheva IP, et al. **Probl Gematol Pereliv Krovi** 1982 Apr;27(4):19–22 **(Rus)**

[Place of surgery in the complex treatment of tuberculosis of the respiratory organs] Bogush LK. **Probl Tuberk** 1982 May;(5):21–5 (Eng. Abstr.) **(Rus)**

[Modified cavernoplasty in patients with disseminated destructive pulmonary tuberculosis] Ertli AA, et al. **Probl Tuberk** 1982 May;(5):29–31 **(Rus)**

[Intrapleural opening and suturing of caverns in patients with disseminated pulmonary tuberculosis] Kakitelashvili IaV, et al. **Probl Tuberk** 1982 May;(5):31–4 **(Rus)**

[Classification of postresection reactivations of pulmonary tuberculosis] Kakitelashvili IaV, et al. **Probl Tuberk** 1981 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

[Effect of bronchial pathology on the outcome of surgery in patients with destructive pulmonary tuberculosis] Minitser II. **Probl Tuberk** 1982 May;(5):53–7 **(Rus)**

[Surgical treatment of disseminated and complex forms of pulmonary tuberculosis] Nazarov Ch, et al. **Probl Tuberk** 1982 May;(5):25–8 (Eng. Abstr.) **(Rus)**

[Single-stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigai GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**

[Selective pneumoperitoneum during fibrothorax development following pneumonectomy] Ovanov VA, et al. **Probl Tuberk** 1982 May;(5):35–8 (Eng. Abstr.) **(Rus)**

[Pulmonectomy in a total lung lesion combined with pleural empyema] Repin IuM. **Probl Tuberk** 1981 Jul;(7):23–6 (Eng. Abstr.) **(Rus)**

[Neutrophil phosphatase activity and the tetrazolium test in tuberculosis patients following pulmonary resection] Rykovskaia GI, et al. **Probl Tuberk** 1982 May;(5):64–8 **(Rus)**

[Relation between microcirculatory disorders and surgery in pulmonary tuberculosis] Struzhko IB. **Probl Tuberk** 1982 Feb;(2):31–6 (Eng. Abstr.) **(Rus)**

[Place of separate surgical interventions in the treatment of disseminated fibrous-cavernous pulmonary tuberculosis] Miroshnikov BI. **Vestn Khir** 1982 Jan;128(1):39–45 **(Rus)**

[Current indications for and the effectiveness of surgical treatment in fresh destructive forms of pulmonary tuberculosis] Repin IuM, et al. **Vestn Khir** 1982 Jan; 128(1):45–9 **(Rus)**

[Results of primary and secondary surgical interventions in pulmonary tuberculosis complicated by renal amyloidosis] Slepukha IM, et al. **Vestn Khir** 1981 Aug;127(8):21–4 **(Rus)**

[Treatment of tuberculosis patients with residual pleural cavities after partial lung resections] Marina SI. **Voen Med Zh** 1982 Jan;(1):56–8 **(Rus)**

THERAPY

Successful supervised ambulatory management of tuberculosis treatment failures. McDonald RJ, et al. **Ann Intern Med** 1982 Mar;96(3):297–302

Immune responses and immunostimulation in tuberculosis therapy. Gatner EM, et al. **S Afr Med J** 1982 May 8; 61(19):707–10

[The reconversion of sanatorium system in France 1950–1975] Lert F. **Cah Sociol Demogr Med** 1981 Jul–Sep; 21(3):96–100 **(Fre)**

[Relapse in pulmonary tuberculosis: current medico-social aspects based on 208 notifications] Wemeau J, et al. **Lille Med** 1981 Mar;26(3):123–6 **(Fre)**

[Treatment effectiveness and work capacity in pulmonary tuberculosis among workers in occupations with the risk of pneumoconiosis] Burukhina LV, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):11–4 **(Rus)**

[Method and efficacy of microdrainage and irrigation of cavernae in the treatment of pulmonary tuberculosis] Kovalenko NN. **Grudn Khir** 1982 Mar–Apr;(2):70–2 (Eng. Abstr.) **(Rus)**

[Treatment of pulmonary tuberculoma] Anastas'ev VS. **Klin Med (Mosk)** 1981 Aug;59(8):32–6 (Eng. Abstr.) **(Rus)**

[Prevention, dispensary observation and treatment of pulmonary tuberculosis in patients with diabetes mellitus] **Probl Tuberk** 1981 Sep;(9):68–72 **(Rus)**

[Present-day problems of deontology in phthisiology] **Probl Tuberk** 1981 Nov;(11):3–6 **(Rus)**

[Pathomorphologic features of the course of destructive tuberculosis after complex application of inductothermy and chemotherapy (experimental study)] Anan'eva NK, et al. **Probl Tuberk** 1982 May;(5):59–60 **(Rus)**

[Clinico-radiological changes in the lungs after treatment of pulmonary tuberculosis by diathermy] AnaN'eva NK, et al. **Probl Tuberk** 1981 Sep;(9):21–5 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonic therapy on capillary circulation in pulmonary tuberculosis] Evstaf'ev IuA, et al. **Probl Tuberk** 1982 Feb;(2):28–31 (Eng. Abstr.) **(Rus)**

[Activities of the tuberculosis dispensary aimed at improvement of the services] Golubev DN. **Probl Tuberk** 1981 Sep;(9):9–12 (Eng. Abstr.) **(Rus)**

[Organization of the study on patients with destructive pulmonary tuberculosis and their need of surgical treatment] Gulia DI, et al. **Probl Tuberk** 1981 Sep;(9):7–9 (Eng. Abstr.) **(Rus)**

[Treatment organization and effectiveness with newly detected respiratory organ tuberculosis patients at machine-building plants] Nechaeva OB, et al. **Probl Tuberk** 1981 Oct;(10):5–9 (Eng. Abstr.) **(Rus)**

[Bronchial lavage in the combined treatment of bronchial asthma in pulmonary tuberculosis patients] Shesterina MV, et al. **Probl Tuberk** 1982;(1):35–9 (Eng. Abstr.) **(Rus)**

[Experience with the use of BCG vaccine in the combined treatment of destructive pulmonary tuberculosis] Stadnikova AV, et al. **Probl Tuberk** 1982 Mar;(3):44–6 **(Rus)**

[Results of brief therapeutic pneumothorax combined with intravenous chemotherapy in new cases of destructive pulmonary tuberculosis] Ursov IG, et al. **Probl Tuberk** 1982 Feb;(2):41–5 (Eng. Abstr.) **(Rus)**

[Difficulties in the treatment of pulmonary tuberculosis in patients with disorders of other organs (author's transl)] Bašić-Grbac M, et al. **Plucne Bolesti Tuberk** 1981 Apr–Sep; 33(2–3):120–5 (Eng. Abstr.) **(Scr)**

[Pulmonary tuberculosis: interval between the first symptoms and the initiation of therapy (author's transl)] Acuña D, et al. **Rev Med Chil** 1981 Jul;109(7):628–33 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Nosocomial tuberculosis. Catanzaro A. **Am Rev Respir Dis** 1982 May;125(5):559–62

Disease transmission and contagion control. Riley RL. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):16–9

Transmission and pathogenesis of tuberculosis. Bates JH. **Clin Chest Med** 1980 May;1(2):167–74 (41 ref.)

[Analysis of contacts of 150 families with chronic fibrous tuberculous cavity (author's transl)] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Oct 12;4(5):268–70 (Eng. Abstr.) **(Chi)**

[Effect of chemotherapy on infectiousness of initially treated smear positive tuberculous patients (author's transl)] Zhang LX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1982 Feb;5(1):19–21 (Eng. Abstr.) **(Chi)**

[Contagiousness of tuberculosis patients undergoing chemotherapy (letter)] Medici TC, et al. **Schweiz Med Wochenschr** 1981 Aug 22;111(34):1252–5 **(Ger)**

[The transmission of tubercle bacilli] Van Geuns HA. **Z Erkr Atmungsorgane** 1982;158(1–2):125–9 (Eng. Abstr.) **(Ger)**

URINE

[Variability of isoniazid pharmacokinetics] Sokolova GB, et al. **Farmakol Toksikol** 1982 May–Jun;45(3):101–4 **(Rus)**

VETERINARY

Hazel elephant is dead (of tuberculosis) [letter] Greenberg HB, et al. **Am Rev Respir Dis** 1981 Sep;124(3):341

TUBERCULOSIS, RENAL

COMPLICATIONS

A hypereosinophilic syndrome with retinal arteritis and tuberculosis. Farcet JP, et al. **Arch Intern Med** 1982 Mar; 142(3):625–7

Adenocarcinoma of the renal pelvis with associated tuberculosis of the kidney. Kulkarni SH, et al. **Indian J Cancer** 1981 Sep;18(3):229–31

Diffuse interstitial renal tuberculosis—an unusual cause of renal failure. Mallinson WJ, et al. **Q J Med** 1981 Spring; 50(198):137–48

[Cause and therapeutic consequence of arterial hypertension and kidney tuberculosis] Studer U, et al. **Helv Chir Acta** 1981 Aug;48(3–4):411–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Renal carcinoma masquerading as renal tuberculosis. Lo R, et al. **Br J Urol** 1982 Apr;54(2):192

[Value of the bacteriological examination of urine in the diagnosis of renal tuberculosis in children] Ezerskiĭ RF, et al. **Pediatriia** 1981;(8):61–3 **(Rus)**

[Differential diagnosis of toxico-allergic (interstitial) nephritis in children with tuberculosis, renal tuberculosis and pyelonephritis] Ezerskiĭ RF, et al. **Pediatriia** 1981 Oct; (10):31–4 (Eng. Abstr.) **(Rus)**

[Aneurysm of a segmental branch of the renal artery simulating cavernous renal tuberculosis] Kotliarov PM. **Probl Tuberk** 1982 Feb;(2):73 **(Rus)**

[Diagnostic informativeness of various immunologic indices in active renal tuberculosis] Nezdatnyĭ MM. **Probl Tuberk** 1982 Feb;(2):58–62 (Eng. Abstr.) **(Rus)**

[Ultrasonic scanning in renal tuberculosis] Pytel' IuA, et al. **Probl Tuberk** 1981 Jun;(6):39–43 (Eng. Abstr.) **(Rus)**

[Tuberculosis of the kidney and pyelonephritis] Grund VD, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):43–5 (Eng. Abstr.) **(Rus)**

[Chronic pyelonephritis in renal tuberculosis] Shabad AL, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

[Clinical analysis of cases of renal tuberculosis seen in recent times] Petković S, et al. **Glas Srp Akad Nauka [Med]** 1980; 315(32):117–27 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

[Diagnosis and treatment of renal tuberculosis (author's transl)] Ye RG. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Dec;4(6):358–60 (Eng. Abstr.) **(Chi)**

[Efficacy of various chemotherapeutic regimens in renal tuberculosis] Danilova NK, et al. **Vrach Delo** 1981 Nov; (11):86–9 **(Rus)**

METABOLISM

[Dynamics of isoniazid excretion in chronic renal failure] Titarenko OT, et al. **Probl Tuberk** 1982 Feb;(2):48–52 (Eng. Abstr.) **(Rus)**

[Evaluation of the type of tubazid inactivation in nephrotuberculosis with chronic kidney failure] Tkachuk VN, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):33–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Intrauterine pregnancy complicated by renal tuberculosis: case report. Wittich AC, et al. **Milit Med** 1982 Mar; 147(3):232–3

OCCURRENCE

Overview of renal tuberculosis. Narayana A. **Urology** 1982 Mar;19(3):231–7

[Epidemiological study of high susceptibility and low resistance to tuberculosis in chronic renal failure patients (author's transl)] Inamoto H, et al. **Nippon Naika Gakkai Zasshi** 1981 Jun 10;70(6):834–40 **(Jpn)**

RADIOGRAPHY

[Possible sources of error in the diagnosis of renal tuberculosis via x-ray film (author's transl)] Billmann P, et al. **Rontgenblatter** 1981 Nov;34(11):426–8 **(Ger)**

[Value of angiography in renal tuberculosis] Kelemen Z, et al. **Orv Hetil** 1982 Feb 7;123(6):335–8 **(Hun)**

SURGERY

Pan-caliceal ileoneocystostomy—a new operation for intrapelvic tuberculotic strictures of the renal pelvis. Wong SH, et al. **J Urol** 1981 Dec;126(6):734–6

[Nephrectomy in complex treatment of renal tuberculosis] Mochalova TP, et al. **Sov Med** 1981;(9):25–9 (Eng. Abstr.) **(Rus)**

[Organ-conserving surgery in restricted destructive tuberculosis of the kidneys] Shapkin AG. **Vestn Khir** 1981 Aug;127(8):57–65 **(Rus)**

URINE

[Use of complex nutrient media in the bacteriological diagnosis of renal tuberculosis] Pytel' IuA, et al. **Lab Delo** 1982;(6):52–3 (Eng. Abstr.) **(Rus)**

[Massive proteinuria associated with chronic pyelonephritis, vesicoureteral reflux and renal tuberculosis] Oliver JA, et al. **Rev Clin Esp** 1982 Mar 31;164(6):383–5 (Eng. Abstr.) **(Spa)**

TUBERCULOSIS SOCIETIES see under **VOLUNTARY HEALTH AGENCIES**

TUBERCULOSIS, SPINAL

COMPLICATIONS

Pott's paraplegia: a clinical review of operative and conservative treatment in 63 adults and children. Moula T, et al. **Int Orthop** 1981;5(1):23–9

Unusual presentation of tuberculosis. A case report. Joshi P, et al. **S Afr Med J** 1981 Sep 12;60(11):435–8

Colonic perforation with thigh abscess: an unusual presentation of tuberculous spondylitis. Peacock JE Jr. **South Med J** 1982 May;75(5):623–5

DIAGNOSIS

Neurofibromatosis simulating Pott's disease: a case report. Abraham G, et al. **Ethiop Med J** 1981 Apr;19(2):59–61

[Psoas abscess of tuberculous origin without visible vertebral lesions. A case report (author's transl)] Berges O, et al. **J Radiol** 1981 Aug–Sep;62(8–9):467–70 (Eng. Abstr.) **(Fre)**

[Tumors of the spine as a differential diagnosis in tuberculous spondylitis] Verlohren G. **Beitr Orthop Traumatol** 1982 Apr;29(4):177–87 (Eng. Abstr.) **(Ger)**

[Unusual localization of tuberculous process on the vertebra (author's transl)] Maar D, et al. **Bratisl Lek Listy** 1982 Mar; 77(3):347–51 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Pott's disease following BCG therapy of melanoma. Strausser JL, et al. **Cancer** 1981 Sep 1;48(5):1154–6

RADIOGRAPHY

Computed tomography in tuberculosis of the spine. Maritz NG, et al. **Comput Radiol** 1982 Jan–Feb;6(1):1–5

Computed tomography in Pott's disease. Gropper GR, et al. **Neurosurgery** 1982 Apr;10(4):506–8

[Pott's disease–concerning two recent observations (author's transl)] Dewijze M, et al. **Rev Med Brux** 1982 Feb; 3(2):97–100 (Eng. Abstr.) **(Fre)**

[Report of a clinical case of tuberculous L/S spondylitis with radiologic and C.T. documentation] Sciotto V, et al. **Minerva Med** 1982 Mar 3;73(9):483–6 (Eng. Abstr.) **(Ita)**

[Venospondylography in the x-ray diagnosis of complications of tubercular spondylitis] Tikhodeev SA, et al. **Med Radiol (Mosk.)** 1982 Jun;27(6):50–4 (Eng. Abstr.) **(Rus)**

SURGERY

A 10-year assessment of a controlled trial comparing debridement and anterior spinal fusion in the management of tuberculosis of the spine in patients on standard chemotherapy in Hong Kong. Eighth Report of the Medical Research Council Working Party on Tuberculosis of the Spine. **J Bone Joint Surg [Br]** 1982;64(4):393–8

[Treatment of tuberculous spondylitis with special reference to indications for operative debridement] Kessler P, et al. **Beitr Orthop Traumatol** 1982 Apr;29(4):188–95 (Eng. Abstr.) **(Ger)**

[Focal operation with postero-lateral approach in Pott's disease in adolescents] Bellando-Randone P, et al. **Chir Organi Mov** 1980 Jul–Aug;66(4):495–504 (Eng. Abstr.) **(Ita)**

[Management of kyphosis in tuberculosis of the spine] Hyakumachi K. **Nippon Seikeigeka Gakkai Zasshi** 1981 Nov;55(11):1643–59 **(Jpn)**

[Experimental substantiation of restricted osteoplasty in tuberculous spondylitis] Guseva VN. **Probl Tuberk** 1981 Sep;(9):50–4 (Eng. Abstr.) **(Rus)**

[Single-stage surgery for tuberculosis of the respiratory organs and the thoracic spine] Nigai GA, et al. **Probl Tuberk** 1982 May;(5):38–41 (Eng. Abstr.) **(Rus)**

[Radiological changes after anterior spondylodesis and replacement of bone cavities with allotransplants free of bone marrow] Salmagambetov IU, et al. **Probl Tuberk** 1981 Sep;(9):36–9 (Eng. Abstr.) **(Rus)**

TUBERCULOSIS, UROGENITAL

Genitourinary tuberculosis revisited. Cos LR, et al. **Urology** 1982 Aug;20(2):111–7

COMPLICATIONS

Tuberculous recto-vesico-cutaneous fistula. Hashmonai M, et al. **Br J Urol** 1982 Jun;54(3):324

[Association of dermatomyositis, toxoplasmosis and tuberculosis] Mazabrey D, et al. **Ann Dermatol Venereol** 1982;109(3):277–80 **(Fre)**

DIAGNOSIS

Solitary paravesical tuberculoma masquerading as bladder carcinoma. Kumar S, et al. **Tubercle** 1981 Jun;62(2):143–4

DRUG THERAPY

[20 years' treatment of urogenital tuberculosis with reference to the epidemiology and the general tuberculosis situation] Rothkopf M, et al. **Z Urol Nephrol** 1982 Apr;75(4):211–22 (Eng. Abstr.) **(Ger)**

[Use of D-penicillamine and azathioprine with prednisolone in urinary tract tuberculosis] Vakhmistrova TI. **Urol Nefrol (Mosk)** 1982 Mar–Apr;(2):20–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The etiologic role of M. bovis in the pulmonary and urogenital tuberculosis. Blagodarny YA, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):245–9

OCCURRENCE

Genito-urinary tuberculosis in Pakistan. Khan FA, et al. **JPMA** 1981 Sep;31(9):206–11

[Urogenital tuberculosis] Neumann G. **Prax Klin Pneumol** 1982 Jun;36(6):275–80 **(Ger)**

PHYSIOPATHOLOGY

[Constitutional factors and urogenital tuberculosis] Grims P, et al. **Z Urol Nephrol** 1982 Feb;75(2):111–4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Ga-67-citrate and ultrasonographic visualization of genitourinary tuberculosis. Leventhal WD, et al. **Clin Nucl Med** 1981 Oct;6(10):504–5

SURGERY

[Repeat surgery for urinary tract tuberculosis] Dovlatian AA. **Probl Tuberk** 1982 Feb;(2):52–8 (Eng. Abstr.) **(Rus)**

THERAPY

Genito-urinary tuberculosis. A 4-year review. Marszalek WW, et al. **S Afr Med J** 1982 Jul 31;62(6):158–9

[Urogenital tuberculosis : current status and future perspectives (author's transl)] Debré B. **Sem Hop Paris** 1982 Feb 4;58(5):298–305 (11 ref.) (Eng. Abstr.) **(Fre)**

[What is the current status of treatment for urogenital tuberculosis? Development over the last 100 years - current relation between conservative and operative therapy] Köhler H, et al. **Zentralbl Chir** 1982;107(5–6):310–21 **(Ger)**

TRANSMISSION

Transmission of genito-urinary tuberculosis. Sutherland AM, et al. **Health Bull (Edinb)** 1982 Mar;40(2):87–91

TUBERCULOSIS VACCINES see **BCG VACCINE**

TUBERCULOSTATIC AGENTS see **ANTITUBERCULAR AGENTS**

TUBEROUS SCLEROSIS

COMPLICATIONS

Infantile spasm and tuberous sclerosis. Haglund M, et al. **Acta Paediatr Scand** 1981 Sep;70(5):751–3

Autonomous hyperprolactinemia in tuberous sclerosis. Bloomgarden ZT, et al. **Arch Intern Med** 1981 Oct; 141(11):1513–5

Iris and fundus pigmentary changes in tuberous sclerosis. Lucchese NJ, et al. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec;18(6):45–6

Scoliosis associated with tuberous sclerosis. Madigan RR, et al. **J Tenn Med Assoc** 1981 Sep;74(9):643–4

Spontaneous pneumothorax associated with tuberous sclerosis. Babcock TL, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):100–4

Chronic renal failure in patients with tuberous sclerosis. Association with renal cysts. Okada RD, et al. **Nephron** 1982;30(1):85–8

Tuberous sclerosis in the aetiology of the so-called idiopathic epilepsies and psychoses. Rakoff J. **S Afr Med J** 1981 Oct 10;60(15):574–8

Leaf-shaped lesions of ocular fundus and white eyelashes in tuberous sclerosis. Awan KJ. **South Med J** 1982 Feb; 75(2):227–8

A case of tuberous sclerosis with pulmonary involvement. Yang PC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jun; 80(6):636–42

Splenic involvement in tuberous sclerosis. Report of three cases. Bender BL, et al. **Virchows Arch [Pathol Anat]** 1981; 391(3):363–9

[Tuberous sclerosis--with an analysis of 8 cases (author's transl)] Xia LQ. **Chung Hua Nei Ko Tsa Chih** 1981 Sep; 20(9):540–3 **(Chi)**

[Tuberous sclerosis---report of 5 cases (author's transl)] Xu YF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May;13(2):117–8 **(Chi)**

[Cystic renal lesions in tuberous sclerosis in children (author's transl)] Giroud M, et al. **Ann Pediatr (Paris)** 1981 Nov; 28(9):673–6 (Eng. Abstr.) **(Fre)**

[Tuberous sclerosis presenting early in life as a polycystic kidney disease (author's transl)] Dommergues JP, et al. **Arch Fr Pediatr** 1982 Jan;39(1):31–2 (Eng. Abstr.) **(Fre)**

[Tuberous sclerosis with chronic renal failure treated by hemodialysis and transplantation (author's transl)] Meyrier A, et al. **Nephrologie** 1980;1(2):85–8 (Eng. Abstr.) **(Fre)**

[Renal angiomyolipoma associated with Bourneville tuberous sclerosis] Boujnah H, et al. **Tunis Med** 1981 Jul–Aug; 59(4):285–90 (Eng. Abstr.) **(Fre)**

[Moyamoya like vascular disease in tuberous sclerosis (author's transl)] Kramer HH, et al. **Monatsschr Kinderheilkd** 1981 Oct;129(10):595–7 (Eng. Abstr.) **(Ger)**

[Renal lesions in a case of tuberous sclerosis: association of angiomyolipoma, bilateral polycystic kidney and renal clear-cell carcinoma] Garini G, et al. **Acta Biomed Ateneo Parmense** 1981;52(2–3):125–32 (Eng. Abstr.) **(Ita)**

[Renal angiolipoma. Presentation of a case with associated honey-comb lung and review of literature] Marten Perolino R, et al. **Minerva Urol** 1981 Apr–Jun;33(2):103–9 (27 ref.) (Eng. Abstr.) **(Ita)**

[A case study of tuberous sclerosis with subdural hematoma (author's transl)] Inagaki Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Jun;23(6):807–13 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Tuberous sclerosis complex in children. Monaghan HP, et al. **Am J Dis Child** 1981 Oct;135(10):912–7

[Electroencephalographic studies in phacomatosis (author's transl)] Van Sweden B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):299–318 (124 ref.) (Eng. Abstr.) **(Fre)**

[Abortive form of tuberous sclerosis--falsely diagnosed as congenital bilateral cystic kidneys] Wimmer B, et al. **ROFO** 1982 Jun;136(6):732–4 **(Ger)**

[Massive retroperitoneal haemorrhage in the Bourneville-Pringle syndrome (author's transl)] Jügelt U, et al. **Z Gastroenterol** 1982 May;20(5):286–93 (Eng. Abstr.) **(Ger)**

[Tuberous sclerosis] Amir N, et al. **Harefuah** 1981 May 15; 100(10):457–8 (Eng. Abstr.) **(Heo)**

[A case of tuberous sclerosis (author's transl)] Sugita H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jun; 19(6):398–401 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Tuberous sclerosis, early onset of seizures, and mental subnormality: study of discordant homozygous twins. Gomez MR, et al. **Neurology (NY)** 1982 Jun;32(6):604–11

[Tuberous sclerosis. Clinical and radiologic aspects illustrated by 4 cases from the same family] Hatlinghus S, et al. **Tidsskr Nor Laegeforen** 1981 Sep 10;101(25):1382–4 (Eng. Abstr.) **(Nor)**

[Angiomyolipomas: analysis of 8 cases. Familial study] Iborra Juan I, et al. **Actas Urol Esp** 1981 Sep–Oct;5(5):303–8 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Angiofibromas and tuberous sclerosis [letter] Steffen C. **Am J Dermatopathol** 1981 Fall;3(3):330–4

Unusual liver lesion in tuberous sclerosis [letter] Grasso S, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):49

Oral mucosal lesions in association with epilepsy and cutaneous lesions: the Pringle-Bourneville syndrome. Scully C. **Int J Oral Surg** 1981 Feb;10(1):68–72

Lymphoblastoid lines and skin fibroblasts from patients with tuberous sclerosis are abnormally sensitive to ionizing radiation and to a radiomimetic chemical. Scudiero DA, et al. **J Invest Dermatol** 1982 Mar;78(3):234–8

Impaired colony-forming ability following gamma irradiation of skin fibroblasts from tuberous sclerosis patients. Paterson MC, et al. **Radiat Res** 1982 May;90(2):260–70

[Tuberous sclerosis (report of a case) (author's transl)] Dai TF. **Chung Hua I Hsueh Tsa Chih** 1982;62(3):175–7 **(Chi)**

[Tuberous sclerosis associated with astrocytoma---report of a case studied by postmortem examination (author's transl)] Chen XY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):119–20 **(Chi)**

[Unusual lung manifestation in Bourneville-Pringle disease] Sander U, et al. **Med Welt** 1981 Aug 28;32(35):1289–91 **(Ger)**

[A case of Pringle-Bourneville disease] Pejrone F, et al. **Minerva Med** 1981 Nov 10;72(44):2987–9 **(Ita)**

RADIOGRAPHY

Tuberous sclerosis: bone and lung changes mimicking metastatic malignancy. Hatlinghus S, et al. **Eur J Radiol** 1982 Feb;2(1):90–1

[Cerebral calcifications in a patient with tuberous sclerosis without convulsions (author's transl)] Rott HD, et al. **Nervenarzt** 1982 Jan;53(1):54–5 **(Ger)**

[Bilateral angiomyolipomatosis of the kidneys with extensive lung involvement in Bourneville-Pringle disease] Reindl P, et al. **ROFO** 1982 Jun;136(6):729–31 **(Ger)**

RADIONUCLIDE IMAGING

Tuberous sclerosis presenting as abdominal tumor. Takeuchi Y, et al. **Pediatr Radiol** 1982;12(1):51–2

SURGERY

Treatment of facial lesions of tuberous sclerosis [letter] Jawad WM, et al. **Clin Exp Dermatol** 1981 May;6(3):345–6

THERAPY

Tuberous sclerosis in pregnancy. Reece EA, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):467–8

TUBOCURARINE

The ionization of morphine, hydroxyamphetamine and (+)-tubocurarine chloride and a new method for calculating zwitterion constants. Barlow RB. **Br J Pharmacol** 1982 Mar;75(3):503–12

ADMINISTRATION & DOSAGE

Dose requirement of d-tubocurarine and metocurine used for chronic respiratory paralysis in neonates. Nussmeier N, et al. **J Pediatr Surg** 1981 Oct;16(5):700–3

[Combination precurarization for prevention of post-succinylcholine myalgia] Gadalov VP. **Vestn Khir** 1981 Aug;127(8):81–4 **(Rus)**

ADVERSE EFFECTS

Possible interaction of pancuronium and tubocurarine with oral neomycin [letter] Giala M, et al. **Anaesthesia** 1982 Jul; 37(7):776

ANALOGS & DERIVATIVES

Unprecedented resistance to neuromuscular blocking effects of metocurine with persistence after complete recovery in a burned patient. Martyn JA, et al. **Anesth Analg (Cleve)** 1982 Jul;61(7):614–7

Pharmacodynamics and pharmacokinetics of metocurine in humans: comparison to d-tubocurarine. Matteo RS, et al. **Anesthesiology** 1982 Sep;57(3):183–90

Cardiovascular effects of metocurine in patients with aortic stenosis. Zaidan JR, et al. **Anesthesiology** 1982 May; 56(5):395–7

Neuromuscular blocking agents do not alter local anesthetic seizure thresholds. de Jong RH, et al. **Exp Neurol** 1981 Nov;74(2):628–31

Dose requirement of d-tubocurarine and metocurine used for chronic respiratory paralysis in neonates. Nussmeier N, et al. **J Pediatr Surg** 1981 Oct;16(5):70(-3

[Laboratory and clinical study on dimethylcurine methochloride---a neuromuscular blocking agent (author's transl)] **Chung Hua I Hsueh Tsa Chih** 1981 Oct;61(10):617–9 (Eng. Abstr.) **(Chi)**

[Comparison of Dimethyl-curarine dimethochloride with other nine muscle relaxants through electromyographic quantitative analysis (author's transl)] Tong YS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1982; 4(1):53–6 **(Chi)**

[Disposition of [3H] dimethyl-l-curine dimetho-chloride in rats (author's transl)] Tang XC, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Mar;3(1):64–8 (Eng. Abstr.) **(Chi)**

[Analysis of blocking action of dimethyl dl-curine dimethochloride on neuromuscular transmission (author's transl)] Yang QZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1982 Jun;3(2):87–90 (Eng. Abstr.) **(Chi)**

[Mode of action of dimethyl l-curine dimethochloride on neuromuscular transmission (author's transl)] Yang QZ, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Mar;2(1):19–23 (Eng. Abstr.) **(Chi)**

[Comparative study of the effects of dimethylcurine methylchloride and D-tubocurarine on isolated ganglion and phrenic nerve-diaphragm preparation (author's transl)] Mao YK, et al. **Yao Hsueh Hsueh Pao** 1981 Oct; 16(10):728–31 (Eng. Abstr.) **(Chi)**

ANALYSIS

[Determination of tubocurarine in the liver] Zimnukhov VV. **Sud Med Ekspert** 1981 Jul–Aug;24(3):46–7 **(Rus)**

ANTAGONISTS & INHIBITORS

Neostigmine and tubocurarine neuromuscular block [letter] Baraka A. **Br J Anaesth** 1981 Sep;53(9):1006–8

Neostigmine reversal of D-tubocurarine and pancuronium bromide combinations in man. Frankel DZ. **Can Anaesth Soc J** 1982 Jul;29(4):395–7

BLOOD

Quantitation of D-tubocurarine in human plasma using high-performance liquid chromatography. Meulemans A, et al. **J Chromatogr** 1981 Nov 13;226(1):255–8

DIAGNOSTIC USE

Diagnostic value of systemic curare testing. Balestrieri FJ, et al. **Anesthesiology** 1982 Sep;57(3):226–7

METABOLISM

Pharmacokinetics of d-tubocurarine in patients with thermal injury. Martyn JA, et al. **Anesth Analg (Cleve)** 1982 Mar; 61(3):241–6

Pharmacokinetics and pharmacodynamics of d-tubocurarine in infants, children, and adults. Fisher DM, et al. **Anesthesiology** 1982 Sep;57(3):203–8

Pharmacodynamics and pharmacokinetics of metocurine in humans: comparison to d-tubocurarine. Matteo RS, et al. **Anesthesiology** 1982 Sep;57(3):183–90

PHARMACODYNAMICS

Autocorrelation histogram of unit activity of the rat striatum following tubocurarine treatment. Hamala K, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):294–5

Effect of tubocurarine on human soleus and gastrocnemius muscles. Secher NH, et al. **Acta Anaesthesiol Scand** 1982 Jun;26(3):231–4

Regulation of intestinal goblet cell secretion. I. Role of parasympathetic stimulation. Specian RD, et al. **Am J Physiol** 1982 Apr;242(4):G370–9

Decreasing enflurane concentrations and d-tubocurarine neuromuscular blockade. Gencarelli PJ, et al. **Anesthesiology** 1982 Mar;56(3):192–4

Chronic potassium depletion and sensitivity to tubocurarine. Waud BE, et al. **Anesthesiology** 1982 Aug;57(2):111–5

The effect of tubocurarine competition on the kinetics of agonist action on the nicotinic receptor. Colquhoun D, et al. **Br J Pharmacol** 1982 Jan;75(1):77–86

Blockade of nicotinic receptors in brain with d-tubocurarine induces decreased metabolism, cutaneous vasodilation and hypothermia in rats. Lin MT, et al. **Experientia** 1981; 37(9):986–8

Respiratory mechanics in supine subjects during progressive partial curarization. Gal TJ, et al. **J Appl Physiol** 1982 Jan; 52(1):57–63

Interactions of d-tubocurarine with the nicotinic acetylcholine receptor/channel molecule. Shaker N, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):172–7

Collagenase and hyaluronidase pretreatment induces sensitivity to d-tubocurarine in frog sciatic nerve. Soria B, et al. **Naturwissenschaften** 1981 Oct;68(10):530–1

Antagonism of gamma-aminobutyric acid and muscimol by picrotoxin, bicuculline, strychnine, bemegride, leptazol, D-tubocurarine and theophylline in the isolated olfactory cortex. Scholfield CN.
Naunyn Schmiedebergs Arch Pharmacol 1982 Mar; 318(4):274–80

[Comparative study of the effects of dimethylcurine methylchloride and D-tubocurarine on isolated ganglion and phrenic nerve-diaphragm preparation (author's transl)] Mao YK, et al. **Yao Hsueh Hsueh Pao** 1981 Oct; 16(10):728–31 (Eng. Abstr.) **(Chi)**

[Nature and dynamics of spontaneous decurarization with d-tubocurarine as a muscle relaxant] Stoianov E, et al. **Anesteziol Reanimatol** 1981 Jul–Aug;(4):39–41 (Eng. Abstr.) **(Rus)**

TUBULIN

Glutamate-induced polymerization of tubulin: characteristics of the reaction and application to the large-scale purification of tubulin. Hamel E, et al.
Arch Biochem Biophys 1981 Jun;209(1):29–40

Interaction of tubulin with single ring analogues of colchicine. Andreu JM, et al. **Biochemistry** 1982 Feb 2; 21(3):534–43

Changes in the circular dichroic spectrum of colchicine associated with its binding to tubulin. Detrich HW 3d, et al. **Biochemistry** 1981 Oct 13;20(21):5999–6005

Interaction of tubulin with drugs and alkylating agents. I. Alkylation of tubulin by iodo[14C]acetamide and N,N'-ethylenebis(iodoacetamide). Ludueña RF, et al. **Biochemistry** 1981 Jul 21;20(15):4437–44

Chemical differences distinguish ciliary membrane and axonemal tubulins. Stephens RE. **Biochemistry** 1981 Aug 4;20(16):4716–23

Characterization of tubulin modified with the sulfhydryl-reactive fluorochrome monobromo(trimethylammonio)bimane. Wadsworth P, et al. **Biochemistry** 1982 Jan 5;21(1):21–8

The interactions of tropolone with magnesium ions and tubulin. Andreu JM, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):373–7

Tubulin sequence conservation. Little M, et al. **Biosystems** 1981;14(3–4):239–46

Comparative structure and chemistry of tubulins from different eukaryotes. Luduena RF, et al. **Biosystems** 1981; 14(3–4):231–8

The cross-linking of tubulin with imidoesters. Galella G, et al. **Can J Biochem** 1982 Jan;60(1):71–80

1H NMR evidence for flexibility in microtubule-associated proteins and microtubule protein oligomers. Woody RW, et al. **FEBS Lett** 1982 May 17;141(2):181–4

Fluorescence quenching and induced dissociation of the tubulin–colchicine complex by iodide. Ide G, et al. **J Biol Chem** 1981 Nov 25;256(22):11684–7

In vitro vinblastine-induced tubulin paracrystals. Na GC, et al. **J Biol Chem** 1982 Sep 10;257(17):10387–91

Head-to-tail polymerization of microtubules in vitro. Cote RH, et al. **J Mol Biol** 1981 Aug 25;150(4):577–99

Formulation of the general rate equation for subunit flux at steady-state. Cote RH, et al. **J Mol Biol** 1981 Aug 25; 150(4):599–602

Interaction of calf brain tubulin with glycerol. Na GC, et al. **J Mol Biol** 1981 Sep 5;151(1):165–78

Two bar mitzvahs for tubulin [news] Fulton C. **Nature** 1982 Mar 25;296(5855):308–9

Complete amino acid sequence of beta-tubulin from porcine brain. Krauhs E, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4156–60

ANALYSIS

Isoelectric focusing of tubulin in a new type of charge-balanced agarose. Stromska DP. **Anal Biochem** 1982 Jan 15;119(2):387–91

Tubulin microheterogeneity during mouse liver development. Denoulet P, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):806–13

Microtubule complexes correlated with growth rate and water proton relaxation times in human breast cancer cells. Beall PT, et al. **Cancer Res** 1982 Oct;42(10):4124–30

Tubulin as a major cell surface protein in human lymphoid cells of leukemic origin. Rubin RW, et al. **Cancer Res** 1982 Apr;42(4):1384–9

Oligomeric species in glycerol-cycled bovine-brain microtubule protein. Analytical ultracentrifugal characterisation. Bayley PM, et al. **Eur J Biochem** 1982 Jan;121(3):579–85

Multiple forms of tubulin in the cytoskeletal and flagellar microtubules of Polytomella. McKeithan TW, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):352–60

Comparison of proteolytic cleavage patterns of alpha-tubulins and beta-tubulins from taxonomically distant species. Little M, et al. **J Mol Biol** 1981 Jun 15; 149(1):95–107

Synaptic plasma membrane tubulin may be an integral constituent. Babitch JA. **J Neurochem** 1981 Dec; 37(6):1394–400

Immunocytochemical study of microtubules in chromaffin cells in culture and evidence that tubulin is not an integral protein of the chromaffin granule membrane. Bader MF, et al. **J Neurochem** 1981 Oct;37(4):917–33

Postmortem accumulation of tubulin in postsynaptic density preparations. Carlin RK, et al. **J Neurochem** 1982 Jan; 38(1):94–100

On the identification of alpha- and beta-tubulin subunits. Perry GW, et al. **J Neurochem** 1982 Apr;38(4):1155–9

The characterization of tubulin in CNS membrane fractions. Strocchi P, et al. **J Neurochem** 1981 Nov;37(5):1295–307

Immunofluorescence and immunocytochemical procedures with affinity purified antibodies: tubulin-containing structures. Osborn M, et al. **Methods Cell Biol** 1982;24 Pt A:97–132

Production of antisera and radioimmunoassays for tubulin. Van De Water L 3d, et al. **Methods Cell Biol** 1982;24 Pt A:79–96

Monoclonal antibodies that recognize discrete forms of tubulin. Gozes I, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2579–83

[Role of the microtubules in the organization of the Golgi complex (author's transl)] Louvard D, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):349–62 (Eng. Abstr.) **(Fre)**

[Cytoskeletal proteins--actin, tubulin, and their organizations (author's transl)] Yahara I. **Tanpakushitsu Kakusan Koso** 1982 Apr;27(6):1005–20 (107 ref.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Potent microtubule inhibitor protein from Dictyostelium discoideum. Weinert T, et al. **Biochemistry** 1982 Feb 16; 21(4):782–9

Effect of tubulin-binding agents on the infiltration of tumour cells into primary hepatocyte cultures. Roos E, et al. **J Cell Sci** 1982 Jun;55:233–45

[Microtubule inhibitors--its application to the research field of hard tissues (author's transl)] Ogura H. **Kokubyo Gakkai Zasshi** 1981 Jun;48(2):199–218 (101 ref.) **(Jpn)**

BIOSYNTHESIS

Assembly of microtubule protein: role of guanosine di- and triphosphate nucleotides. Carlier MF, et al. **Biochemistry** 1982 Mar 16;21(6):1215–24

Age-related changes in tubulin biosynthesis in the embryonic chick brain. Chaudhury S, et al. **Brain Res** 1982 Jun; 256(2):241–3

Tubulin synthesis during the synchronous cell cycle of Tetrahymena. Bird RC, et al. **Can J Biochem** 1981 Nov–Dec;59(11–12):937–43

Unpolymerized tubulin modulates the level of tubulin mRNAs. Cleveland DW, et al. **Cell** 1981 Aug;25(2):537–46

Tubulin assembly sites and the organization of microtubule arrays in mammalian cells. Brenner SL, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):241–54

Post-translational modification of tubulin dependent on organelle assembly. Brunke KJ, et al. **Nature** 1982 Jun 10; 297(5866):516–8

Tubulin biosynthesis in the developmental cycle of a parasitic protozoan, Leishmania mexicana: changes during differentiation of motile and nonmotile stages. Fong D, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7624–8

Periodic synthesis of microtubular proteins in the cell cycle of Physarum. Laffler TG, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5000–4

The justification theory: the effect of tyrosine deficiency on tubulin synthesis in the brain. Bessman SP, et al. **Prog Clin Biol Res** 1982;79:187–92

GENETICS

Developmental regulation of Drosophila alpha-tubulin genes. Kalfayan L, et al. **Cell** 1982 May;29(1):91–8

Regulation of tubulin gene expression during embryogenesis in Drosophila melanogaster. Raff EC, et al. **Cell** 1982 Jan; 28(1):33–40

Decreases in tubulin and actin gene expression prior to morphological differentiation of 3T3 adipocytes. Spiegelman BM, et al. **Cell** 1982 May;29(1):53–60

Autoregulatory control of the expression of alpha- and beta-tubulins: implications for microtubule assembly. Cleveland D, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):171–83

Drosophilia alpha-tubulin genes and their transcription patterns. Kalfayan L, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):185–90

Amino acid sequence of alpha- and beta-tubulins from pig brain: heterogeneity and regional similarity to muscle proteins. Ponstingl H, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 1):191–7

Site and timing of synthesis of tubulin and other proteins during oogenesis in Drosophila melanogaster. Loyd JE, et al. **Dev Biol** 1981 Sep;86(2):272–84

Nucleotide sequence and evolution of a mammalian alpha-tubulin messenger RNA. Lemischka IR, et al. **J Mol Biol** 1981 Sep 5;151(1):101–20

Isolation of a multigene family containing human alpha-tubulin sequences. Wilde CD, et al. **J Mol Biol** 1982 Mar 15;155(4):533–8

Sequence heterogeneity, multiplicity, and genomic organization of alpha- and beta-tubulin genes in sea urchins. Alexandraki D, et al. **Mol Cell Biol** 1981 Dec; 1(12):1125–37

Evidence that a human beta-tubulin pseudogene is derived from its corresponding mRNA. Wilde CD, et al. **Nature** 1982 May 6;297(5861):83–4

Coordinate regulation of the four tubulin genes of Chlamydomonas reinhardi. Brunke KJ, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1295–310

The nucleotide sequence of rat alpha-tubulin: 3'-end characteristics, and evolutionary conservation. Ginzburg I, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2691–7

Isolation of a taxol-resistant Chinese hamster ovary cell mutant that has an alteration in alpha-tubulin. Cabral F, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4388–91

Structural variation among human beta-tubulin genes. Cowan NJ, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):4877–81

Structure of two human alpha-tubulin genes. Wilde CD, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):96–100

Diverse mechanisms in the generation of human beta-tubulin pseudogenes. Wilde CD, et al. **Science** 1982 Aug 6; 217(4559):549

IMMUNOLOGY

Anti-tubulin immunofluorescence microscopy of microtubules present during the pronuclear movement of sea urchin fertilization. Bestor TH, et al. **Dev Biol** 1981 Nov;88(1):80–91

Affinity purification of antibodies from diazotized paper blots of heterogeneous protein samples. Olmsted JB. **J Biol Chem** 1981 Dec 10;256(23):11955–7

Naturally occurring antibodies against nine common antigens in humans sera. II. High incidence of monoclonal Ig exhibiting antibody activity against actin and tubulin and sharing antibody specificities with natural antibodies. Dighiero G, et al. **J Immunol** 1982 Jun;128(6):2788–92

[Effect of anti-platelet tubulin antibody on platelet functions (author's transl)] Ikeda Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 May;44(3):652–7 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Influence of the composition of commercial sodium dodecyl sulfate preparations on the separation of alpha- and beta-tubulin during polyacrylamide gel electrophoresis. Best D, et al. **Anal Biochem** 1981 Jul 1;114(2):281–4

Comparative study of shark and beef brain microtubules. Langford GM. **Biosystems** 1981;14(3–4):247–59

The cytoskeleton. Part A. Cytoskeletal proteins, isolation and characterization. **Methods Cell Biol** 1982;24 Pt A:1–427

Purification and reassembly of tubulin from outer doublet microtubules. Farrell KW. **Methods Cell Biol** 1982;24 Pt A:61–78

Purification and chemical properties of brain tubulin. Lee JC. **Methods Cell Biol** 1982;24 Pt A:9–30

METABOLISM

Synthesis and binding to tubulin of an allocolchicine spin probe. Deinum J, et al. **Acta Chem Scand [B]** 1981; 35(10):677–81

The ligand- and microtubule assembly-induced GTPase activity of purified calf brain tubulin. Andreu JM, et al.

Arch Biochem Biophys 1981 Oct 1;211(1):151–7
Time scale of microtubule length redistribution. Kristofferson D, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):222–6
Contrasting effects of maytansine and vinblastine on the alkylation of tubulin sulfhydryls. Luduena RF, et al. **Arch Biochem Biophys** 1981 Sep;210(2):498–504
Zinc-induced self-assembly of goat brain tubulin: some novel aspects. Banerjee A, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1503–10
Carboxyl terminal tyrosine metabolism of alpha tubulin and changes in cell shape: Chinese hamster ovary cells. Deanin GG, et al. **Biochem Biophys Res Commun** 1981 Jun; 100(4):1642–50
One beta-tubulin subunit accumulates during neurite outgrowth in mouse neuroblastoma cells. Eddé B, et al. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):1035–43
Interactions of a new antimitotic agent, NSC–181928, with purified tubulin. Hamel E, et al. **Biochem Biophys Res Commun** 1982 Feb 11;104(3):929–36
GTPase activity of the tubulin–colchicine in relation with tubulin–tubulin interactions. Heusele C, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):332–8
A new tubulin-binding protein. Kumar N, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):704–10
Neonatal hypothyroidism – a biochemical disorder of alpha-tubulin metabolism. Lakshmanan J, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1587–96
Griseofulvin: association with tubulin and inhibition of in vitro microtubule assembly. Sloboda RD, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):882–8
The mechanism of calcium-induced microtubule disassembly. Weisenberg RC, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):924–31
Interactions of tubulin and microtubule-associated proteins. Conformation and stability of the oligomeric species from glycerol-cycled microtubule protein of bovine brain. Martin SR, et al. **Biochem J** 1982 Jun 1;203(3):643–52
Tubulin carbamoylation. Functional amino groups in microtubule assembly. Mellado W, et al. **Biochem J** 1982 Jun 1;203(3):675–81
Inhibitory effects of pseudouridinedicarboxaldehyde on tubulin metabolism. Lewis ML, et al. **Biochem Pharmacol** 1982 Jan 15;31(2):273–6
Binding of maytansinoids to tubulin. York J, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3239–43
Mechanism of tubulin assembly: guanosine 5'-triphosphate hydrolysis decreases the rate of microtubule depolymerization. Bonne D, et al. **Biochemistry** 1982 Mar 2;21(5):1075–81
Effect of colchicine binding on the reversible dissociation of the tubulin dimer. Detrich HW 3d, et al. **Biochemistry** 1982 May 11;21(10):2392–400
Effects of organic acids on tubulin polymerization and associated guanosine 5'-triphosphate hydrolysis. Hamel E, et al. **Biochemistry** 1982 Feb 2;21(3):503–9
Interaction of tubulin with drugs and alkylating agents. 2. Effects of colchicine, podophyllotoxin, and vinblastine on the alkylation of tubulin. Ludueña RF, et al. **Biochemistry** 1981 Jul 21;20(15):4444–50
Mechanism of tubulin assembly: role of rings in the nucleation process and of associated proteins in the stabilization of microtubules. Pantaloni D, et al. **Biochemistry** 1981 Aug 4;20(16):4709–16
Polymerization of the tubulin–colchicine complex and guanosine 5'-triphosphate hydrolysis. Saltarelli D, et al. **Biochemistry** 1982 Jun 8;21(12):2996–3006
Spatial separation of the two essential thiol groups and the binding site of the exchangeable GTP in brain tubulin. A spin label study. Deinum J, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):1–8
Stabilization of the colchicine-binding activity of tubulin by organic acids. Hamel E, et al. **Biochim Biophys Acta** 1981 Jul;675(2):226–31
Inhibition of tubulin self-assembly in vitro by fluorodinitrobenzene. Lee YC, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):71–7
Changes in some cytoskeletal proteins during neuroblastoma cell differentiation. Edde B, et al. **Biochimie** 1982 Feb; 64(2):141–51
Microtubule turnover as a mechanism of mitosis and its possible evolution. Goode D. **Biosystems** 1981; 14(3–4):271–87
Tubulin-dependent biochemical assay for the antineoplastic agent taxol and application to measurement of the drug in serum. Hamel E, et al. **Cancer Treat Rep** 1982 Jun; 66(6):1381–6
Treadmilling of tubulin and actin. Cleveland DW. **Cell** 1982 Apr;28(4):689–91 (0 ref.)
Proteins specifically associated with the microtubules of the mammalian mitotic spindle. Zieve G, et al. **Cell** 1982 Feb; 28(2):233–42
High resolution light and electron microscopic localization of tubulin with the IGS (immuno gold staining) method. De Mey J, et al. **Cell Biol Int Rep** 1981 Sep;5(9):889–99
Nerve growth factor and the metabolism of the carboxyl terminal tyrosine of alpha-tubulin. Deanin GG, et al. **Dev Neurosci** 1982;5(1):101–7
Effects of L-triiodothyronine on tubulin content in developing male and female rat brain. Takahashi T, et al. **Endocrinol Jpn** 1981 Dec;28(6):799–808
Induction of polymerization of purified tubulin by sulfonate buffers. Marked differences between 4-morpholineethanesulfonate (Mes) and 1,4-piperazineethanesulfonate (Pipes). Waxman PG, et al. **Eur J Biochem** 1981 Nov;120(1):129–36
Deacetylcolchicine conjugated to a heme-nonapeptide act with both soluble tubulin and microtubules polymerized in vitro. Zimmermann HP, et al. **Eur J Cell Biol** 1982 Feb; 26(2):310–4
Depolymerization of microtubules prior to compaction. Development of cell polarity and cell spreading are not inhibited. Ducibella T. **Exp Cell Res** 1982 Mar;138(1):31–8
Quantitative biochemical and ultrastructural studies of microtubules in rat liver during the acute inflammatory reaction. Maurice M, et al. **Exp Mol Pathol** 1982 Apr; 36(2):193–203
Fluorescence stopped-flow study of the binding of S6–GTP to tubulin. Engelborghs Y, et al. **FEBS Lett** 1982 May 3; 141(1):78–81
G-actin–tubulin interaction. Verkhovsky AB, et al. **FEBS Lett** 1981 Dec 7;135(2):290–4
Impaired microtubule assembly in brain from zinc-deficient pigs and rats. Hesketh JE. **Int J Biochem** 1981;13(8):921–6
The interaction between calmodulin and microtubule proteins. IV. Quantitative analysis of the binding between calmodulin and tubulin dimer. Kumagai H, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1329–36
Evidence that a polysaccharide from the cortex of sea urchin egg inhibits microtubule assembly through its binding to microtubule-associated proteins. Naruse H, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):581–7
Intrinsic calcium sensitivity of tubulin polymerization. The contributions of temperature, tubulin concentration, and associated proteins. Berkowitz SA, et al. **J Biol Chem** 1981 Nov 10;256(21):11216–23
Interaction of tubulin with rat liver mitochondria. Bernier-Valentin F, et al. **J Biol Chem** 1982 Jun 25; 257(12):7092–9
A kinetic analysis of assembly–disassembly at opposite microtubule ends. Farrell KW, et al. **J Biol Chem** 1982 Mar 25;257(6):3131–8
Interactions of taxol, microtubule-associated proteins, and guanine nucleotides in tubulin polymerization. Hamel E, et al. **J Biol Chem** 1981 Nov 25;256(22):11887–94
The relationship between cobalt binding to tubulin and the stimulation of assembly. Himes RH, et al. **J Biol Chem** 1982 May 25;257(10):5839–45
Divalent cation–nucleotide complex at the exchangeable nucleotide binding site of tubulin. Jemiolo DK, et al. **J Biol Chem** 1982 Jul 25;257(14):8148–52
Taxol-induced polymerization of purified tubulin. Mechanism of action. Kumar N. **J Biol Chem** 1981 Oct 25;256(20):10435–41
Residual nucleotide and tubulin's ability to polymerize with nucleotide analogs. Maccioni RB, et al. **J Biol Chem** 1982 Mar 25;257(6):3334–8
Interactions of the tau–tubulin–vinblastine complex with colchicine, podophyllotoxin, and N,N'-ethylenebis(iodoacetamide). Palanivelu P, et al. **J Biol Chem** 1982 Jun 10;257(11):6311–5
Tubulin polymerization in dimethyl sulfoxide. Robinson J, et al. **J Biol Chem** 1982 May 25;257(10):5367–71
Effects of reductive methylation on microtubule assembly. Evidence for an essential amino group in the alpha-chain. Szasz J, et al. **J Biol Chem** 1982 Apr 10;257(7):3697–704
Effect of ATP on the kinetics of microtubule assembly. Zabrecky JR, et al. **J Biol Chem** 1982 Apr 25;257(8):4633–8
An isoenergetic exchange mechanism which accounts for tubulin-GDP stabilization of microtubules. Zeeberg B, et al. **J Biol Chem** 1981 Dec 10;256(23):12051–7
Tubulin assembly sites and the organization of cytoplasmic microtubules in cultured mammalian cells. Brinkley BR, et al. **J Cell Biol** 1981 Sep;90(3):554–62
Polarity orientation of axonal microtubules. Heidemann SR, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):661–5
Cholera toxin can catalyze ADP-ribosylation of cytoskeletal proteins. Kaslow HR, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):410–3
Preferential phosphorylation of the 150,000 molecular weight component of neurofilaments by a cyclic AMP-dependent, microtubule-associated protein kinase. Leterrier JF, et al. **J Cell Biol** 1981 Sep;90(3):755–60
Stimulation of tubulin tyrosinolation in rabbit leukocytes evoked by the chemoattractant formyl-methionyl-leucyl-phenylalanine. Nath J, et al. **J Cell Biol** 1981 Oct;91(1):232–9
Taxol binds to polymerized tubulin in vitro. Parness J, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):479–87
Equimolar heterodimers in microtubules. Stephens RE. **J Cell Biol** 1982 Aug;94(2):263–70
Binding of parbendazole to tubulin and its influence on microtubules in tissue-culture cells as revealed by immunofluorescence microscopy. Havercroft JC, et al. **J Cell Sci** 1981 Jun;49:195–204
In vivo and in vitro effect of cold on the degree of polymerization of tubulin in toad brain and testis. Lopez LA, et al. **J Exp Zool** 1982 May 20;221(1):9–12
Enzymatic detyrosination of tubulin tyrosinated in rat brain slices and extracts. Barra HS, et al. **J Neurochem** 1982 Jan; 38(1):112–5
Ca2+ and calmodulin-dependent phosphorylation of endogenous synaptic vesicle tubulin by a vesicle-bound calmodulin kinase system. Burke BE, et al. **J Neurochem** 1982 May;38(5):1205–18
Comparison of axonal transport of cytoplasmic- and particulate-associated tubulin in rat optic system. Goodrum JF, et al. **J Neurochem** 1982 Aug;39(2):443–51
Inhibition of lymphocyte transformation and microtubule assembly by quinone metabolites of benzene: evidence for a common mechanism. Irons RD, et al. **J Reticuloendothel Soc** 1981 Nov;30(5):359–72
Factors implicated in determining the structure of zinc tubulin–sheets: lateral tubulin–tubulin interaction is promoted by the presence of zinc. de la Torre J, et al. **J Supramol Struct Cell Biochem** 1981;17(2):183–96
Microtubule polarity determination based on conditions for tubulin assembly in vitro. Heidemann SR, et al. **Methods Cell Biol** 1982;24 Pt A:207–16
Measurement of steady-state tubulin Flux. Margolis RL. **Methods Cell Biol** 1982;24 Pt A:145–58
The cyclic tyrosination/detyrosination of alpha tubulin. Thompson WC. **Methods Cell Biol** 1982;24 Pt A:235–55
A rapid filtration assay for analysis of microtubule assembly, disassembly, and steady-state tubulin flux. Wilson L, et al. **Methods Cell Biol** 1982;24 Pt A:159–69
Identification and drug binding capabilities of tubulin in the nematode Ascaridia galli. Ireland CM, et al. **Mol Biochem Parasitol** 1982 Jul;6(1):45–53
Intestinal tubulin as possible target for the chemotherapeutic action of mebendazole in parasitic nematodes. Köhler P, et al. **Mol Biochem Parasitol** 1981 Dec 31;4(5–6):325–36
Effects of free fatty acids on the organization of cytoskeletal elements in lymphocytes. Hoover RL, et al. **Mol Cell Biol** 1981 Oct;1(10):939–48
Micellarization of chlorpromazine. Implications in the binding of the drug to brain tubulin. Cann JR, et al. **Mol Pharmacol** 1981 Sep;20(2):244–5
Multiple tubulin forms are expressed by a single neurone. Gozes I, et al. **Nature** 1981 Dec 3;294(5840):477–80
Reorganization of HeLa cell cytoskeleton induced by an uncoupler of oxidative phosphorylation. Maro B, et al. **Nature** 1982 Jan 28;295(5847):334–6
Higher plant tubulin identified by self-assembly into microtubules in vitro. Morejohn LC, et al. **Nature** 1982 Jun 3;297(5865):426–8
Binding of ATP to tubulin. Zabrecky JR, et al. **Nature** 1982 Apr 22;296(5859):775–6
Halothane modifies colchicine binding to tubulin. Vergara GA, et al. **Pharmacology** 1981;23(5):264–70
Subunit treadmilling of microtubules or actin in the presence of cellular barriers: possible conversion of chemical free energy into mechanical work. Hill TL, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):490–4
Immunocytochemical localization of tubulin, actin, and myosin in axonemes of ciliated cells from quail oviduct. Sandoz D, et al. **Proc Natl Acad Sci USA** 1982 May; 79(10):3198–202
Physicochemical properties of 21S dynein ATPase binding to A and B subfiber microtubules. Warner FD, et al. **Prog Clin Biol Res** 1982;80:113–9
[In vitro study of tubulin polymerisation. Effects of ATP, vinblastine and isaxonine (author's transl)] Coelho R, et al. **Nouv Presse Med** 1982 Apr 8;11(16):1227–32 (Eng. Abstr.) **(Fre)**
[Interaction of tubulin with G-actin] Verkhovskiĭ AB, et al. **Dokl Akad Nauk SSSR** 1982;263(2):488–90 **(Rus)**

PHARMACODYNAMICS

Stimulation by tubulin of an adenylate cyclase from murine plasmacytoma. Simonin G, et al. **Eur J Biochem** 1981 Sep 1;118(3):515–9
Role of actin and tubulin in the regulation of poly(A) polymerase–endoribonuclease IV complex from calf thymus. Schröder HC, et al. **J Biol Chem** 1982 Mar 10; 257(5):2305–9

PHYSIOLOGY

The role of tubulin in the steroidogenic response of murine adrenal and rat Leydig cells. Clark MA, et al. **Endocrinology** 1981 Dec;109(6):2261–3
Effects of antibodies against dynein and tubulin on the stiffness of flagellar axonemes. Okuno M, et al. **J Cell Biol** 1981 Dec;91(3 Pt 1):689–94
Microtubule treadmills--possible molecular machinery. Margolis RL, et al. **Nature** 1981 Oct 29;293(5835):705–11 (82 ref.)
Microfilament or microtubule assembly or disassembly against a force. Hill TL. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5613–7
Monoclonal antibodies to tubulin and their effects on the movement of reactivated sea urchin spermatozoa. Asai DJ, et al. **Prog Clin Biol Res** 1982;80:175–80
Tubulin and the microtubule system in cellular growth and development. Biswas BB, et al. **Subcell Biochem** 1981; 8:123–83 (357 ref.)
[Role of tubulin in determining cholinergic reactivity] Iordanov V, et al. **Eksp Med Morfol** 1981;20(4):204–7 (Eng. Abstr.) **(Bul)**
[Motility proteins in nonmuscle cell (author's transl)] Zhou RL. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):206–10 **(Chi)**

TUBULOINTERSTITIAL NEPHRITIS see **NEPHRITIS, INTERSTITIAL**

TUFTSIN see under IMMUNOGLOBULINS, FD

TULAREMIA

DIAGNOSIS

Hepatic porphyrias simulating typhoidal tularemia [letter] Loftin EB 3d. **Am Fam Physician** 1982 Jul;26(1):45, 48

The effects of strenuous exercise on infection with Francisella tularensis in rats. Friman G, et al. **J Infect Dis** 1982 May; 145(5):706–14

Tularemia simulating acute myocardial infarction [letter] Loftin EB 3d. **JAMA** 1981 Nov 27;246(21):2429–30

[Guidelines in diagnosis and therapy of tularemia] Kallings LO. **Lakartidningen** 1981 Aug 19;78(34):2869 **(Swe)**

ETIOLOGY

Tularemia associated with domestic cats--Georgia, New Mexico. **MMWR** 1982 Feb 5;31(4):39–41

[Experimental latent tularemia in common voles] Shlygina KN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr; (4):101–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Modulation of the immune response by aerodin. II. Influence on the antiinfectious resistance in rabbits and guinea pigs experimentally infected by Francisella tularensis and Pseudomonas aeruginosa. Popescu C, et al. **Arch Roum Pathol Exp Microbiol** 1981 Jul–Sep; 40(3):241–52

Cell-mediated and humoral immunity induced by a live Francisella tularensis vaccine. Koskela P, et al. **Infect Immun** 1982 Jun;36(3):983–9

MICROBIOLOGY

[Further study of intraspecific taxonomy of Francisella tularensis] Ol'sufev NG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):16–21 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Case report. Tularemia in Ohio: report of two cases and clinical review. Myers JP, et al. **Am J Med Sci** 1981 Nov–Dec;282(3):148–52

'Muskrat fever': two outbreaks of tularemia near Montreal. Ford-Jones L, et al. **Can Med Assoc J** 1982 Aug 15; 127(4):298–9

Tularemia in Canada with a focus on Saskatchewan. Martin T, et al. **Can Med Assoc J** 1982 Aug 15;127(4):279–82 (52 ref.)

Head and neck manifestations of tularemia. Wills PI, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):770–3

Tularemia: review of eight cases of tick-borne infection and the epidemiology of the disease in Georgia. López CE, et al. **South Med J** 1982 Apr;75(4):405–7

[Exacerbation of old tularemic foci (author's transl)] Kouba K, et al. **Bratisl Lek Listy** 1981 Apr;75(4):438–45 (Eng. Abstr.) **(Cze)**

[Tularemia epizootic in the suburbs of Leningrad] Liutov IuG, et al. **Tr Inst Pastera** 1980;55:51–4 **(Rus)**

[Topology of regions endemic for tularemia in Kazakhstan and Middle Asia] Baftanaev OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):92–4 (Eng. Abstr.) **(Rus)**

[Natural focus of tularemia on the Kerchen peninsula (Crimea)] Golkovskiĭ GM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):99–101 (Eng. Abstr.) **(Rus)**

[Activation of natural tularemia foci of the field-meadow and steppe types on the territory of Tula Province 1977–1978] Levacheva ZA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):36–40 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Oculoglandular tularemia – a case report. Chappell CW, et al. **J Arkansas Med Soc** 1981 Aug;78(3):128–30

PREVENTION & CONTROL

Respiratory tularemia: comparison of selected routes of vaccination in Fischer 344 rats. Jemski JV. **Infect Immun** 1981 Dec;34(3):766–72

[Results of prolonged study of flood plain-swamp endemic foci of tularemia, and its prophylaxis in the Leningrad Region] Ul'ianova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):104–7 (Eng. Abstr.) **(Rus)**

TRANSMISSION

[Clinical picture of tularemia contracted through the alimentary tract in older age individuals (author's transl)] Černý Z, et al. **Cas Lek Cesk** 1982 Feb 12;121(6):170–5 (Eng. Abstr.) **(Cze)**

VETERINARY

The use of FA-technique for detecting Francisella tularensis in formalin fixed material. A method useful in routine post mortem work. Mörner T. **Acta Vet Scand** 1981; 22(3–4):296–306

Survey for rabies, leptospirosis, toxoplasmosis and tularemia in striped skunks (Mephitis mephitis) from three public use areas in northwestern Arkansas. Ferguson DV, et al. **J Wildl Dis** 1981 Oct;17(4):515–9

TUMOR ANTIBODIES see **ANTIBODIES, NEOPLASM**

TUMOR ANTIGENS see **ANTIGENS, NEOPLASM**

TUMOR INITIATORS see **CARCINOGENS**

TUMOR PROMOTERS see **CARCINOGENS**

TUMOR STAGING see **NEOPLASM STAGING**

TUMOR VIRUS INFECTIONS

Genital warts and cervical cancer. I. Evidence of an association between subclinical papillomavirus infection and cervical malignancy. Reid R, et al. **Cancer** 1982 Jul 15;50(2):377–87

Alterations in electrophysiology of cultured BALB/cfC3H mouse mammary epithelium associated with neoplastic transformation. Bisbee CA. **Cancer Lett** 1981 Dec; 14(3):237–42

Kyoto Workshop on some specific recent advances in human tumor virology. Gallo RC. **Cancer Res** 1981 Nov;41(11 Pt 1):4738–9

Summary: symposium on Epstein-Barr virus-induced lymphoproliferative diseases in immunodeficient patients. Klein G, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4302–4

Fatal Epstein-Barr virus infection in a child with acute lymphoblastic leukemia in remission. Look AT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4280–3

Introduction to Epstein-Barr virus and lymphoproliferative diseases in immunodeficient individuals. Purtilo DT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4209

Papillomavirus infections and human genital cancer. zur Hausen H, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S124–8 (34 ref.)

A cellular protein phosphorylated by the avian sarcoma virus transforming gene product. Erikson E, et al. **Hamatol Bluttransfus** 1981;26:397–401

Role of viruses in the etiology of naturally occurring feline leukemia. Essex M, et al. **Hamatol Bluttransfus** 1981; 26:483–7

Feline leukemia virus nonproducer lymphosarcomas of cats as a model for the etiology of human leukemias. Hardy WD Jr, et al. **Hamatol Bluttransfus** 1981;26:492–4

An IgM-producing B lymphoblastoid cell line established from lymphomas induced by a non-defective reticuloendotheliosis virus. Nazerian K, et al. **J Gen Virol** 1982 Feb;58(Pt 2):351–60

Induction of lymphosarcoma in sheep by bovine leukemia virus. Kenyon SJ, et al. **JNCI** 1981 Nov;67(5):1157–63

Goat lymphosarcoma from bovine leukemia virus. Olson C, et al. **JNCI** 1981 Sep;67(3):671–5

Two retroviruses with similar transforming genes exhibit differences in transforming potential. Linial M. **Virology** 1982 Jun;119(2):382–91

Origin and biological properties of a new feline sarcoma virus. Rasheed S, et al. **Virology** 1982 Feb;117(1):238–44

ANALYSIS

Mouse embryonic transforming growth factors related to those isolated from tumor cells. Twardzik DR, et al. **Cancer Res** 1982 Feb;42(2):590–3

COMPLICATIONS

Are human DNA tumour viruses involved in the pathogenesis of human neurogenic tumors? Ibelgaufts H. **Neurosurg Rev** 1982;5(1):3–24

DIAGNOSIS

Rapid diagnosis of BK papovavirus infection. Taguchi F, et al. **Kitasato Arch Exp Med** 1980 Jun;53(1–2):23–7

DRUG THERAPY

Moloney murine sarcoma virus tumors in CBA/J mice: chemopreventive and chemotherapeutic actions of supplemental beta-carotene. Seifter E, et al. **JNCI** 1982 May;68(5):835–40

ETIOLOGY

Genetic interactions between tumor viruses and host cells. Rowe WP. **Cancer** 1982 May 15;49(10):1958–62

Induction of uterine cancer with inactivated herpes simplex virus, types 1 and 2. Wentz WB, et al. **Cancer** 1981 Oct 15;48(8):1783–90

Tumorigenic activity of cloned polyoma virus DNA in newborn rats. Gélinas C, et al. **Experientia** 1981 Oct 15; 37(10):1074–5

Tumorigenicity of human BK papovavirus plaque isolates, wild-type and plaque morphology mutant, in hamsters. Watanabe S, et al. **Int J Cancer** 1982 May 15;29(5):583–6

Papillomavirus and cutaneous malignancy. Bender ME, et al. **Int J Dermatol** 1981 Sep;20(7):468–74 (88 ref.)

Tumor virus induction and host cell capacity inactivation: possible in vitro tests for photosensitizing chemicals. Bockstahler LE, et al. **JNCI** 1982 Jul;69(1):183–7

[What the viral theory of tumor origin has contributed to oncology] Mazurenko NP. **Vopr Onkol** 1982;28(5):7–12 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Induction of sister chromatid exchange by polyoma large viral tumor antigen in transformed rat fibroblasts. Brown EH, et al. **Cancer Res** 1982 May;42(5):1909–12

Genomic integration of bovine leukemia provirus and lack of viral RNA expression in the target cells of cattle with different responses to BLV infection. Kettmann R, et al. **Hamatol Bluttransfus** 1981;26:495–7

Integrated shope virus DNA is present and transcribed in the transplantable rabbit tumour Vx-7. McVay P, et al. **J Gen Virol** 1982 Jun;60(Pt 2):271–8

Stability of polyoma DNA sequences and virus-coded proteins during tumor formation. Chowdhury K, et al. **J Virol** 1982 Mar;41(3):1000–6

Oncogenes. A unitary cause of cancer? [interview] Erikson RL. **JAMA** 1982 Jan 8;247(2):178–81

The role of gene dosage and genetic transpositions in carcinogenesis. Klein G. **Nature** 1981 Nov 26; 294(5839):313–8

Variable-sized free episomes of Shope papilloma virus DNA are present in all non-virus-producing neoplasms and integrated episomes are detected in some. Wettstein FO, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(3):790–4

IMMUNOLOGY

Forssman antigen in BK virus-induced tumor cell lines. Karjalainen HE, et al. **Acta Pathol Microbiol Scand [C]** 1981 Feb;89(1):49–54

Functional changes of macrophages from polyoma tumor-bearing mice. Pituch-Noworolska A, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(4):423–9

Augmentation in the infectivity of SV40 virus DNA by amphotericin B methyl ester: brief report. Borden EC, et al. **Arch Virol** 1981;69(2):161–5

Titers of antibodies to RANA in rheumatoid arthritis and normal sera. Relationship to Epstein-Barr virus infection. Venables PJ, et al. **Arthritis Rheum** 1981 Dec; 24(12):1459–68

Breast cancer skin test antigens of increased sensitivity prepared from vesicular stomatitis virus-infected tumor cells. Austin FC, et al. **Cancer** 1982 May 15;49(10):2034–42

Epstein-Barr virus-specific serology in immunologically compromised individuals. Henle W, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4222–5

Spectrum of tumorigenic phenotypes among adenovirus 2-, adenovirus 12-, and simian virus 40-transformed Syrian hamster cells defined by host cellular immune-tumor cell interactions. Lewis AM Jr, et al. **Cancer Res** 1982 Mar; 42(3):939–44

Cell-mediated immune reactions in three patients with malignant lymphoproliferative diseases in remission and abnormally high Epstein-Barr virus antibody titers. Masucci MG, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4292–301

Tumor sponge implantation: an in vivo method for studying syngeneic, primary antitumor lymphocyte responses. Vallera DA, et al. **Cancer Res** 1982 Feb;42(2):397–404

Inability of tumour cells to elicit the respiratory burst in cytotoxic, activated macrophages. Bryant SM, et al. **Immunology** 1982 Mar;45(3):577–85

Naturally occurring humoral immunity to endogenous xenotropic and amphotropic type-C virus in the mouse. Kende M, et al. **Int J Cancer** 1981 Feb 15;27(2):235–42

Kinetics of the immune response of tumor-bearing hamsters to two simian virus 40 coded non-structural polypeptides present in simian virus 40 tumor cells. Ransom JH, et al. **Int J Cancer** 1982 Feb 15;29(2):217–22

Importance of non-H-2 genes in the control of the in vivo growth of the virus induced lymphoma YC8. Colombo MP, et al. **J Immunogenet** 1981 Oct;8(5):405–13

Generation of cytotoxic lymphocytes by SV40-induced antigens. Chang C, et al. **J Immunol** 1982 May; 128(5):2160–3

Effect of thymectomy on development of Lucké renal adenocarcinomas in virus-infected leopard frog tadpoles. Rollins-Smith LA, et al. **JNCI** 1982 Jan;68(1):133–8

Outbreak of Burkitt's-like lymphoma in homosexual men. Ziegler JL, et al. **Lancet** 1982 Sep 18;2(8299):631–3

Immunologic studies on cancer of the upper aerodigestive tract. Gustafson RO, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):52–7

Resistance to Moloney murine sarcoma virus (M-MuSV) tumor induction is associated with natural antibody production to 'endogenous' Moloney leukemia virus (M-MuLV) in BALB/Mo mice. D'Andrea E, et al. **Tumori** 1981 Dec 31;67(6):511–20

Some aspects of oncogenic virus-host cell and virus-tumor cell antigenic relationships. Nastac E. **Virologie** 1982 Jan-Mar;33(1):59–62

METABOLISM

The identification of a serum viability factor for SV3T3 cells as biotin and its possible relationship to the maintenance of Krebs cycle activity. Nakano ET, et al. **Arch Biochem Biophys** 1982 May;215(2):556–63

The role of the enterohepatic cycle in folate supply to tumour in rats. Steinberg SE, et al. **Br J Haematol** 1982 Feb;

50(2):309–16
Uptake, efflux, and hydrolysis of aclacinomycin A in Friend leukemia cells. Fourcade A, et al. **Cancer Res** 1982 May; 42(5):1950–4
Pericellular matrix and cell surface glycoproteins of virus-transformed mouse epithelial cells. Keski-Oja J, et al. **Cancer Res** 1982 Mar;42(3):1147–53
Herpesvirus saimiri DNA in tumor cells--deleted sequences and sequence rearrangements. Desrosiers RC. **J Virol** 1981 Aug;39(2):497–509

MICROBIOLOGY

Human papillomavirus (HPV) in condylomatous lesions of cervix. Ferenczy A, et al. **Am J Surg Pathol** 1981 Oct; 5(7):661–70
Hyperplastic and neoplastic erythroproliferative diseases induced by oncogenic murine retroviruses. Scolnick EM. **Biochim Biophys Acta** 1982 Jun 28;651(4):273–83 (81 ref.)
Documentation of Epstein-Barr virus infection in immunodeficient patients with life-threatening lymphoproliferative diseases by clinical, virological, and immunopathological studies. Purtilo DT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4226–36
Documentation of Epstein-Barr virus infection in immunodeficient patients with life-threatening lymphoproliferative diseases by Epstein-Barr virus complementary RNA/DNA and viral DNA/DNA hybridization. Saemundsen AK, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4237–42
Effect of low levels of nitrogen dioxide inhalation on endogenous retrovirus gene expression. Roy-Burman P, et al. **Exp Mol Pathol** 1982 Apr;36(2):144–55
Host range and oncogenicity studies of the murine myeloma MOPC-315 type-C retrovirus. Gazit A, et al. **Int J Cancer** 1981 Mar 15;27(3):335–40
Analysis of human genital warts (condylomata acuminata) and other genital tumors for human papillomavirus type 6 DNA. Gissmann L, et al. **Int J Cancer** 1982 Feb 15; 29(2):143–6
Correlation between human papillomavirus (HPV) type and histology of warts. Gross G, et al. **J Invest Dermatol** 1982 Feb;78(2):160–4
Specifically unmethylated cytidylic-guanylate sites in Herpesvirus saimiri DNA in tumor cells. Desrosiers RC. **J Virol** 1982 Aug;43(2):427–35
Molecular cloning of viral DNA from human genital warts. de Villiers EM, et al. **J Virol** 1981 Dec;40(3):932–5
Biochemical characterization of two types of human papillomaviruses associated with epidermodysplasia verruciformis. Kremsdorf D, et al. **J Virol** 1982 Aug; 43(2):436–47
Growth and persistence of polyoma early region deletion mutants in mice. McCance DJ. **J Virol** 1981 Sep; 39(3):958–62
Unintegrated viral DNA sequences in a hamster tumor induced by bovine papilloma virus. Moar MH, et al. **J Virol** 1981 Sep;39(3):945–9
Reactivation of Epstein-Barr virus in pregnant women: social factors, and immune competence as determinants of lymphoproliferative diseases-a hypothesis. Purtilo DT, et al. **Med Hypotheses** 1982 Apr;8(4):401–8
Role of viruses in the induction of primary intracranial tumors. Walsh JW, et al. **Neurosurgery** 1982 May; 10(5):643–62
Genital warts. Oriel JD. **Sex Transm Dis** 1981 Oct-Dec;8(4 suppl):326–9
In vitro and in vivo investigations on reticuloendotheliosis virus infection. Coman S, et al. **Virologie** 1981 Oct-Dec; 32(4):269–73
[Infection by BK virus, a human papovavirus, in immunosuppressed children and in children with normal immunological defenses (author's transl)] Baserga M, et al. **Pediatr Med Chir** 1981 Mar-Jun;3(2-3):177–84 (Eng. Abstr.) **(Ita)**

PATHOLOGY

The Shope papilloma-carcinoma complex of rabbits: a model system of neoplastic progression and spontaneous regression. Kreider JW, et al. **Adv Cancer Res** 1981; 35:81–110 (123 ref.)
Early invasive and in situ warty carcinoma of the vulva: clinical, histologic, and electron microscopic study with particular reference to viral association. Rastkar G, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):814–20
Immunopathology of B-cell lymphomas induced in C57BL/6 mice by dualtropic murine leukemia virus (MuLV). Pattengale PK, et al. **Am J Pathol** 1982 Jun;107(3):362–77
The human papillomaviruses. Howley PM. **Arch Pathol Lab Med** 1982 Sep;106(9):429–32
Block in the expression of differentiation markers of rat thyroid epithelial cells by transformation with Kirsten murine sarcoma virus. Fusco A, et al. **Cancer Res** 1982 Feb;42(2):618–26
Fatal Epstein-Barr virus infection in a child with acute lymphoblastic leukemia in remission. Look AT, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4280–3
Dome formation by a retrovirus-induced lung adenocarcinoma cell line. Rizzino A, et al. **Cancer Res** 1982 May;42(5):1881–7
Vaginal condylomata: a human papillomavirus infection. Roy M, et al. **Clin Obstet Gynecol** 1981 Jun;24(2):461–83
Different T-cell subtypes are associated with pathologically distinct forms of Moloney leukemia virus (M-MuLV)-induced lymphoma. Asjö B, et al. **Int J Cancer** 1982 Feb 15;29(2):163–7
[Detection of papilloma virus in Heck's focal epithelial hyperplasia and the differential diagnosis of white-sponge nevus] Kuhlwein A, et al. **Hautarzt** 1981 Dec;32(12):617–21 (Eng. Abstr.) **(Ger)**
[Virus papilloma in humans] Nasemann T. **Hautarzt** 1981 Nov;32(11):601–6 **(Ger)**
[Human papillomavirus and oncogenesis (author's transl)] Jabłońska S. **Z Hautkr** 1982 Apr 15;57(8):551–66 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Tumor viruses and early mouse embryos. Kelly F, et al. **Biochim Biophys Acta** 1982 Apr 29;651(2-3):105–41 (247 ref.)

TRANSMISSION

Tumour induction by viruses isolated from Mansonia africana. Williams B. **Afr J Med Med Sci** 1981 Mar-Jun; 10(1-2):19–27

VETERINARY

Effect of bacille Calmette-Guerin immunotherapy on feline sarcoma virus-induced neoplasms in the cat. Bachman D, et al. **Am J Vet Res** 1982 Mar;43(3):475–80
A generalized inclusion body disease in the budgerigar (Melopsittacus undulatus) caused by a papovavirus-like agent. Bernier G, et al. **Avian Dis** 1981 Oct-Dec; 25(4):1083–92
Effect of endogenous leukosis virus genes on response to infection with avian leukosis and reticuloendotheliosis viruses. Crittenden LB, et al. **Avian Dis** 1982 Apr-Jun; 26(2):279–94
The early pathogenesis of turkey herpesvirus infection in chickens and turkeys. Fabricant J, et al. **Avian Dis** 1982 Apr-Jun;26(2):257–64
Clinical observations on bovine papillomatosis (warts). Abu-Samra MT, et al. **Br Vet J** 1982 Mar-Apr; 138(2):138–44
Natural adult T-cell leukemia virus infection in Japanese monkeys [letter] Miyoshi I, et al. **Lancet** 1982 Sep 18; 2(8299):658
Investigation of the possible role of the tuberculin intradermal test in the spread of enzootic bovine leukosis. Roberts DH, et al. **Vet Res Commun** 1981 Apr;4(4):301–5

TUMOR VIRUSES see **ONCOGENIC VIRUSES**

TUMORS see **NEOPLASMS**

TUNA see under **FISHES**

TUNGSTEN

Extraction of DNA-cellulose-bound glucocorticoid-receptor complexes with sodium tungstate. Murakami N, et al. **Biochim Biophys Acta** 1981 Sep 4; 676(3):386–94
Silicotungstic acid for cytochemical localization of water soluble substance(s) of cholinergic motor nerve terminal. Tsuji S, et al. **Histochemistry** 1981;73(1):33–7
Use of a tungsten filter to improve beam uniformity. Chu JC, et al. **Med Phys** 1981 Jul-Aug;8(4):520–2
[On the service life of tungsten wire cathodes in the ray generation system of a linear accelerator (author's transl)] Feser K, et al. **Strahlentherapie** 1981 Oct;157(10):667–9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Three new cases of pulmonary fibrosis in finishers of tools reinforced with tungsten carbide (author's transl)] Meyer PD, et al. **Poumon Coeur** 1981;37(3):165–75 (Eng. Abstr.) **(Fre)**

ANALYSIS

[Experimental pneumoconiosis induced by cemented tungsten and sequential concentrations of cobalt and tungsten in the lungs of the rat (author's transl)] Tozawa T, et al. **Sangyo Igaku** 1981 May;23(3):216–26 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Differential staining of nucleoli and chromatin by sodium tungstate. Takeuchi IK. **J Electron Microsc (Tokyo)** 1981; 30(2):150–3

METABOLISM

[The role of tungsten, selenium and nickel in the metabolism of clostridia and methanogenic bacteria (author's transl)] Saiki T. **Tanpakushitsu Kakusan Koso** 1981 Nov; 26(14):2084–98 (66 ref.) **(Jpn)**

PHARMACODYNAMICS

Effects of sodium tungstate on the nuclear uptake of glucocorticoid-receptor complex from rat liver. Murakami N, et al. **Arch Biochem Biophys** 1982 Mar;214(1):326–34
The effects of molybate, tungstate and lxd on aldehyde oxidase and xanthine dehydrogenase in Drosophila melanogaster. Bentley MM, et al. **Can J Genet Cytol** 1981; 23(4):597–609
Effects of tetrathiotungstate and dithiotungstate on copper metabolism in rats. Young BW, et al. **J Inorg Biochem** 1982 Apr;16(2):121–34
Thalamic generalized seizure induced by tungstic acid gel in cats and its suppression by anticonvulsants. Hori M, et al. **Jpn J Pharmacol** 1981 Oct;31(5):771–9

THERAPEUTIC USE

In vivo effect of a new mineral condensed ion (HPA 39) on murine Friend leukaemia. Larnicol N, et al. **J Gen Virol** 1981 Jul;55(Pt 1):17–23

TOXICITY

[Data on a hygienic standard for wolfram in the air] Idiiatullina FK. **Gig Sanit** 1981 Sep;(9):79–81 **(Rus)**

TUNICAMYCIN see under **GLUCOSAMINE**

TUNICATA see **UROCHORDATA**

TUPAIA see under **TUPAIIDAE**

TUPAIIDAE

Brugia-type microfilariae in the Madras tree shrew Anathana ellioti (Waterhouse). Nandi NC. **J Helminthol** 1982 Jun; 56(2):93–4
Malignant tumours in Tupaia (tree shrew). Hofmann W, et al. **J Med Primatol** 1981;10(2-3):155–63

ANATOMY & HISTOLOGY

The distribution of crossed and uncrossed optic fibers in the different layers of the lateral geniculate nucleus in the tree shrew (Tupaia glis). Hajdu F, et al. **Anat Embryol (Berl)** 1982;164(1):1–8
Anatomy and function of the reproductive tract in the captive male tree shrew (Tupaia belangeri). Collins PM, et al. **Biol Reprod** 1982 Feb;26(1):169–82
Neuronal and synaptic organization of the lateral geniculate nucleus of the tree shrew, Tupaia glis. Hajdu F, et al. **Cell Tissue Res** 1982;224(1):207–23
Fluorescence and electron microscopic study of the tree shrew pineal organ. Hwang BH. **J Neural Transm** 1982; 53(2-3):193–212
[[Spontaneous tumors of Tupaia. Medical aspects of a new experimental animal] Flügel RM. **Pharm Unserer Zeit** 1981 Jul;10(4):122–7 **(Ger)**

GROWTH & DEVELOPMENT

Early postnatal development of laminar characteristics in the dorsal lateral geniculate nucleus of the tree shrew. Brunso-Bechtold JK, et al. **J Neurosci** 1982 May; 2(5):589–97

IMMUNOLOGY

Multiple components in restriction enzyme digests of mammalian (insectivore), avian and reptilian genomic DNA hybridize with murine immunoglobulin VH probes. Litman GW, et al. **Nucleic Acids Res** 1982 Jun 11;10(11):3371–80

MICROBIOLOGY

[A preliminary study of hepatitis A virus in Chinese tupaia (author's transl)] Zhan MY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Sep; 3(3):148–52 (Eng. Abstr.) **(Chi)**

PHYSIOLOGY

Anatomy and function of the reproductive tract in the captive male tree shrew (Tupaia belangeri). Collins PM, et al. **Biol Reprod** 1982 Feb;26(1):169–82
Cerebellar afferents to paramedian lobule from the trigeminal complex in Tupaia glis: a horseradish peroxidase (HRP) study. Patrick GW, et al. **J Morphol** 1982 May; 172(2):209–22

TUPAIINAE see **TUPAIIDAE**

TURBELLARIA

ANALYSIS

S-100-like immunoreactivity in a planarian. An immunochemical and immunocytochemical study. Michetti F, et al. **Cell Tissue Res** 1982;223(3):575–82
Preliminary studies of lipids of the trematodes Eurytrema pancreaticum, Calicophoron erschowi and the turbellarian Penecurva sibirica. Vykhrestyuk NP, et al. **Mol Biochem Parasitol** 1982 Apr;5(4):221–9
[Demonstration of peptides immunologically related SRIF, neurophysins and angiotensin in the planarian Dugesia lugubris (Platyhelminths,Turbellaria) (author's transl)] Schilt J, et al. **J Physiol (Paris)** 1981 Mar;77(8):977–8 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Effect of colchamine on regenerative processes in body

fragments of Dugesia tigrina (Girard) planaria] Krichinskaia EB, et al. **Biol Nauki** 1981;(9):64–8 **(Rus)**

ENZYMOLOGY

Properties of a collagenolytic enzyme from Bipalium kewense. Landsperger WJ, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):213–20

METABOLISM

Effects of serotonin and catecholamines on RNA synthesis in planarians; in vitro and in vivo studies. Franquinet R, et al. **Cell Differ** 1981 Aug;10(4):201–9

PHYSIOLOGY

Respiration during wound regeneration and healing in the planarian worm Dendrocoelum lacteum. Vladimirova IG. **Biol Bull Acad Sci USSR** 1980 Sep–Oct;7(5):435–9

Acute toxic responses of the freshwater planarian, Dugesia dorotocephala, to methylmercury. Best JB, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):49–54

Cell death and acid phosphatase activity in the regenerating planarian Polycelis tenuis Iijima. Bowen ID, et al. **Differentiation** 1982 May;21(3):160–7

Morphogenesis of regenerating fragments of Dugesia schubarti (Turbellaria tricladia). Hauser J, et al. **Exp Cell Biol** 1982;50(2):61–71

[Device for graphic recording of planarian behavior] Tiras KhP, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):874–7 **(Rus)**

TURBIDIMETRY see **NEPHELOMETRY AND TURBIDIMETRY**

TURBINATES

Practical applications of intranasal corticosteroid injection. Mabry RL. **Ear Nose Throat J** 1981 Nov;60(11):506–10

[Value of a new functional dacryocystography test—discussion] Cabanis EA, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):471–3 **(Fre)**

ANALYSIS

The middle turbinate and its relationship to the ethmoidal labyrinth and the orbit. Ritter FN. **Laryngoscope** 1982 May; 92(5):479–82

EMBRYOLOGY

[Prenatal development of connective and supportive tissue in the inferior nasal concha of man] Bertolini R, et al. **Z Mikrosk Anat Forsch** 1980;94(6):1009–20 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Odorous chemical perturbations of (Na+ + K+)-dependent ATPase activities. Effects on native and lipid-substituted preparations from individual turbinals from dog olfactory tissue. Dreesen TD, et al. **Biochem J** 1982 Apr 1; 203(1):69–75

PATHOLOGY

Long-term effect of Bordetella bronchiseptica infection in neonatal pigs. Underdahl NR, et al. **Am J Vet Res** 1982 Apr;43(4):622–5

SURGERY

Surgery of the inferior nasal turbinates. Saunders WH. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):445–7

'How I do it' — plastic surgery. Practical suggestions on facial plastic surgery. Inferior turbinoplasty. Mabry RL. **Laryngoscope** 1982 Apr;92(4):459–61

CO2 laser turbinectomies for chronic, obstructive rhinitis. Mittelman H. **Lasers Surg Med** 1982;2(1):29–36

[Operations of nasal concha in special consideration of the submucous turbinectomy (author's transl)] Tolsdorff P. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):615–9 (Eng. Abstr.) **(Ger)**

TURKEYS

Interaction of blood-borne Escherichia coli with phagocytes of spleen and liver in turkeys. Arp LH, et al. **Am J Vet Res** 1981 Apr;42(4):650–7

Spontaneous cardiomyopathy: histopathologic and ultrastructural alterations of turkey heart tissue. Gough AW, et al. **Am J Vet Res** 1981 Aug;42(8):1290–7

Haemorrhagic enteritis syndrome of turkeys [letter] Tham VL, et al. **Aust Vet J** 1981 Jul;57(7):353–4

Effect of coccidiosis on heart composition and function in young turkeys. Augustine PC, et al. **Avian Dis** 1982 Apr–Jun;26(2):346–53

Induction of lymphomas and tumor antigen by Marek's disease virus in turkeys. Elmubarak AK, et al. **Avian Dis** 1981 Oct–Dec;25(4):911–26

Control of turkey Alcaligenes rhinotracheitis in Utah with a live vaccine. Jensen MM, et al. **Avian Dis** 1981 Oct–Dec; 25(4):1053–7

A Mycoplasma gallisepticum epornitic in turkeys: its epidemiology and eradication. Johnson DC, et al. **Avian Dis** 1981 Oct–Dec;25(4):1047–52

Suppression of the humoral immune response to inactivated Newcastle disease virus by Mycoplasma meleagridis in the Turkey. Ortiz AM, et al. **Avian Dis** 1981 Oct–Dec; 25(4):894–9

Oosporein-toxicosis in the turkey poult. Pegram RA, et al. **Avian Dis** 1982 Jan–Mar;26(1):47–59

Scanning electron microscopy of tracheas from turkey poults infected with Alcaligenes faecalis. Saif YM, et al. **Avian Dis** 1981 Jul–Sep;25(3):730–5

Severe egg-production drops in turkey breeders in southcentral Missouri. Skeeles JK, et al. **Avian Dis** 1981 Jul–Sep;25(3):764–7

The involvement of Alacaligenes faecalis in turkeys submitted for diagnosis as detected by bacterial isolation and microagglutination test. Slavik MF, et al. **Avian Dis** 1981 Jul–Sep;25(3):761–3

Characterization of isolates of Newcastle disease virus from migratory birds and turkeys. Vickers ML, et al. **Avian Dis** 1982 Jan–Mar;26(1):127–33

An enzyme-linked immunosorbent assay (ELISA) for infectious bursal disease virus. Howie R, et al. **Can J Comp Med** 1981 Jan;45(1):51–5

Cellular electrophysiological changes in 'round heart disease' of turkeys: a potential basis for dysrhythmias in myopathic ventricles. Einzig S, et al. **Cardiovasc Res** 1981 Nov; 15(11):643–51

Contrasting effects of spontaneous and induced cardiomyopathy on the nucleoproteins of turkey hearts. Limas CJ, et al. **Cardiovasc Res** 1982 May;16(5):263–8

Organotropism of the lymphoproliferative disease virus (LPDV) of turkeys. Gazit A, et al. **Int J Cancer** 1982 May 15;29(5):599–604

Establishment of B-lymphoblastoid cell lines from Marek's disease virus-induced tumors in turkeys. Nazerian K, et al. **Int J Cancer** 1982 Jan 15;29(1):63–8

Comparative effects of sodium selenite and selenomethionine upon nutritional muscular dystrophy, selenium-dependent glutathione peroxidase, and tissue selenium concentrations of turkey poults. Cantor AH, et al. **Poult Sci** 1982 Mar; 61(3):478–84

Rapid detection of salmonellae in mechanically deboned poultry meat. Greenwood DE, et al. **Poult Sci** 1981 Oct; 60(10):2253–7

Morphology of the epididymal region of turkeys producing abnormal yellow semen. Hess RA, et al. **Poult Sci** 1982 Mar;61(3):531–9

The effect of caponization and dietary 17 alpha-methyltestosterone on the incidence of leg abnormalities in turkeys. Pierson FW, et al. **Poult Sci** 1981 Sep;60(9):2144–9

Influence of prior hauling on pathogenesis of Pasteurella multocida in turkeys. Simensen E, et al. **Poult Sci** 1981 Oct;60(10):2221–5

Effect of oxytetracycline as a turkey feed additive. Swezey JL, et al. **Poult Sci** 1981 Apr;60(4):738–43

Effect of dietary aflatoxin on hemostasis of young turkey poults. Witlock DR, et al. **Poult Sci** 1981 Mar;60(3):528–31

Interaction of microwave radiation with turkey sperm. Hall CA, et al. **Radiat Environ Biophs** 1982;20(2):145–52

The hygienic treatment of turkey eggs by dipping in an antibiotic and disinfectant solution. Voeten AC, et al. **Vet Q** 1982 Apr;4(2):79–83

Abnormalities in turkey poults following infection with Mycoplasma iowae. Bradbury JM, et al. **Vet Rec** 1982 Jun 12;110(23):559–60

Short communications. Parsons DG, et al. **Vet Rec** 1981 May 23;108(21):458–9

[Myopathy in fattened turkeys caused by Yersinia pseudotuberculosis (author's transl)] Hinz KH, et al. **DTW** 1981 Sep 5;88(9):352–4 (Eng. Abstr.) **(Ger)**

[Investigations on the stress syndrome at turkeys—influence of ACTH and excitement upon glucose concentration and white blood cells (author's transl)] Jaksch W, et al. **DTW** 1982 Jan 5;89(1):28–30 (Eng. Abstr.) **(Ger)**

[Isolation of Yucaipa paramyxovirus from turkeys] Franciosi C, et al. **Boll Ist Sieroter Milan** 1981 Jul 31;60(3):225–8 **(Ita)**

ANATOMY & HISTOLOGY

Ultrastructure of turkey hepatocytes. Bhatnagar MK, et al. **Anat Rec** 1982 Apr;202(4):473–82

BLOOD

Reconstitution of the turkey erythrocyte adenylate cyclase sensitivity to l-epinephrine upon re-insertion of the Lubrol solubilized components into phospholipid vesicles. Keenan AK, et al. **Biochem Biophys Res Commun** 1982 Mar 30; 105(2):615–23

Turkey prolactin: validation of a radioimmunoassay and measurement of changes associated with broodiness. Proudman JA, et al. **Biol Reprod** 1981 Oct;25(3):573–80

Concentrations of plasma luteinising hormone, prolactin, progesterone and androgens during the ovulatory cycle of the turkey. Sharp PJ, et al. **Br Poult Sci** 1981 Jul; 22(4):375–83

Turkey serum trypsin inhibitors: description and characterization. Sesboüé R, et al. **Comp Biochem Physiol [B]** 1982;72(1):99–105

Storage of turkey erythrocytes for use in virus haemagglutination assays. Liddell KG, et al. **J Virol Methods** 1980;1(4):209–11

Turkey beta 2-microglobulin—I. Isolation, properties and amino acid analysis. Lillehoj E, et al. **Mol Immunol** 1982 Jun;19(6):817–27

Turkey beta 2-microglobulin—II. Physiological parameters investigated by radioimmunoassay. Lillehoj E, et al. **Mol Immunol** 1982 Jun;19(6):829–37

Cyclic AMP receptors and cation fluxes in the turkey erythrocyte. Rudolph SA, et al. **Mol Pharmacol** 1982 Mar; 21(2):503–10

Effect of feed and water deprivation on organ and blood characteristics of young turkeys. Augustine PC. **Poult Sci** 1982 Apr;61(4):796–9

Effect of furazolidone on plasma enzyme and protein levels in turkey poults. Czarnecki CM, et al. **Poult Sci** 1981 Jul; 60(7):1537–43

Cyclic changes in plasma phosphorus of laying turkeys. Manley JM, et al. **Poult Sci** 1982 Jun;61(6):1218–20

[Determination of serum T4 content in turkeys by the 'Enzyme Multiplied Immunoassay' (EMIT)] Amer HA, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 1; 94(17):339–40 (Eng. Abstr.) **(Ger)**

[Effect of hormonal bursectomy on the serum T4 level in turkey poults (Meleagris gallopavo var. domesticus)?] Hafez HM, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 15;94(18):354–5 **(Ger)**

EMBRYOLOGY

Physiology of turkey embryos during pipping and hatching III. Thyroid function. Christensen VL, et al. **Poult Sci** 1982 Feb;61(2):367–74

Physiology of turkey embryos during pipping and hatching I. Hematology. Christensen VL, et al. **Poult Sci** 1982 Jan; 61(1):135–42

Physiology of turkey embryos during pipping and hatching II. selected blood parameters. Christensen VL, et al. **Poult Sci** 1982 Jan;61(1):143–9

Possible effects of gamma benzene hexachloride on developing turkey and chicken embryos. Tullett SG, et al. **Vet Rec** 1982 May 22;110(21):499–500

[Retinal differentiation of turkey embryos of various ages in organotypical cultures] Veroman SA. **Arkh Anat Gistol Embriol** 1981 Aug;81(8):50–7 (Eng. Abstr.) **(Rus)**

GENETICS

The chromosomes of turkey embryos during early stages of parthenogenetic development. Harada K, et al. **Genetics** 1981 Jun;98(2):335–45

Turkey-chicken hybrids: a cytological study of early development. Harada K, et al. **J Hered** 1981 Jul–Aug; 72(4):264–6

GROWTH & DEVELOPMENT

The effect of Mycoplasma meleagridis infection and egg dipping on the weight-gain performance of turkey poults. Carpenter TE, et al. **Avian Dis** 1982 Apr–Jun;26(2):272–8

Osseous development and tibial dyschondroplasia in five lines of turkeys. Walser MM, et al. **Avian Dis** 1982 Apr–Jun; 26(2):265–71

Changes in ventricular myosin properties during broad breasted white turkey (BBWT) development. Dalla Libera L, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1752–8

[Vitamin A requirement of fattening turkeys. 1. Vitamin A requirement of fattening turkeys under conditions of intensive rearing on the ground] Prinz M, et al. **Arch Tierernahr** 1981 Jul;31(7–8):519–26 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Effect of passive immunization on phagocytosis of blood-borne Escherichia coli in spleen and liver of turkeys. Arp LH. **Am J Vet Res** 1982 Jun;43(6):1034–40

Suppression of immunologic function and degeneration of lymphoid organs in cyclophosphamide-treated turkeys. Elmubarak AK, et al. **Am J Vet Res** 1981 Dec; 42(12):2122–8

Marek's disease in turkeys: lack of protection by vaccination. Elmubarak AK, et al. **Am J Vet Res** 1982 Apr;43(4):740–2

Immunogenicity of capsular antigens of Pasteurella multocida in turkeys. Kodama H, et al. **Am J Vet Res** 1981 Oct; 42(10):1838–41

In vitro evaluation of B-lymphocyte function in turkeys infected with hemorrhagic enteritis virus. Nagaraja KV, et al. **Am J Vet Res** 1982 Mar;43(3):502–4

Vaccination studies of aspergillosis in turkeys: subcutaneous inoculation with several vaccine preparations followed by aerosol challenge exposure. Richard JL, et al. **Am J Vet Res** 1982 Mar;43(3):488–92

Serological response of chickens, turkeys and ducks to strain V4 of Newcastle disease virus. Westbury HA. **Aust Vet J** 1981 Jul;57(7):328–32

The early pathogenesis of turkey herpesvirus infection in chickens and turkeys. Fabricant J, et al. **Avian Dis** 1982 Apr–Jun;26(2):257–64

Immunofluorescence studies on the early pathogenesis of hemorrhagic enteritis virus infection in turkeys and chickens. Fasina SO, et al. **Avian Dis** 1982 Jan–Mar; 26(1):158–63

Use of an enzyme-linked immunosorbent assay to measure antibody responses in turkeys against Pasteurella multocida.

Marshall MS, et al. **Avian Dis** 1981 Oct-Dec;25(4):964-71
Suppression of the humoral immune response to inactivated Newcastle disease virus by Mycoplasma meleagridis in the Turkey. Ortiz AM, et al. **Avian Dis** 1981 Oct-Dec; 25(4):894-9
Properties of host components of PR8 influenza virus. Arcus YM, et al. **Intervirology** 1981;15(3):171-6

METABOLISM

Analytical ion exchange chromatography of proteins. Ardelt W, et al. **Anal Biochem** 1982 Feb;120(1):198-203
A note on the amino acid composition of the turkey. Fisher C, et al. **Br Poult Sci** 1982 May;23(3):233-7
Growth, erythrocyte glutathione reductase and liver flavin as indicators of riboflavin status in turkey poults. Lee DJ. **Br Poult Sci** 1982 May;23(3):263-72
Age associated changes in sodium, potassium and moisture contents of turkey skeletal muscles and a note on the effects of testosterone and 17-beta-oestradiol. Ranaweera KN, et al. **Br Poult Sci** 1982 May;23(3):195-8
Cholecalciferol requirements of young turkeys under normal conditions and during recovery from rickets. Bar A, et al. **J Nutr** 1982 Sep;112(9):1779-86
Tocopherol absorption and metabolism in the chick and turkey. Sklan D, et al. **J Nutr** 1982 Jul;112(7):1394-400
Pharmacokinetics of digoxin in the turkey and comparison with other species. Park E, et al.
J Pharmacokinet Biopharm 1981 Jun;9(3):357-66
Diurnal variation in hypothalamic monoamines and plasma corticosterone in the turkey after inhibition of tyrosine hydroxylase or tryptophan hydroxylase. Martin JT, et al. **Neuroendocrinology** 1982 Mar;34(3):191-6
Metabolism of lipid labeled very low density lipoprotein from laying turkey hens in laying turkey hens and immature turkeys. Bacon WL. **Poult Sci** 1981 Jul;60(7):1525-36
Lysine and protein requirements of growing turkeys. Potter LM, et al. **Poult Sci** 1981 Dec;60(12):2678-86
Effect of feed or water restriction on basal and TRH-stimulated growth hormone secretion in the growing turkey poult. Proudman JA, et al. **Poult Sci** 1981 Mar; 60(3):659-67
Effect of 1,3-butylene glycol on growth and in vivo and in vitro lipogenesis by turkey poults. Rosebrough RW, et al. **Poult Sci** 1981 Jul;60(7):1448-53
Effects of dietary fat on feed efficiency, reproductive performance, and in vitro lipogenesis by the turkey hen. Rosebrough RW, et al. **Poult Sci** 1981 Aug;60(8):1931-8
Effect of protein and amino acid status on lipogenesis by turkey poults. Rosebrough RW, et al. **Poult Sci** 1982 Apr; 61(4):731-8
Effect of trivalent chromium on hepatic lipogenesis by the turkey poult. Steele NC, et al. **Poult Sci** 1981 Mar; 60(3):617-22
Furazolidone in turkey tissues following a 14-day feeding trial. Winterlin W, et al. **Poult Sci** 1982 Jun;61(6):1113-7
Lack of prostacyclin biosynthesis by aortic tissue of the chicken. Claeys M, et al. **Prostaglandins** 1981 May; 21(5):739-49

MICROBIOLOGY

Isolation of Campylobacter fetus subsp. jejuni from faeces of Norwegian poultry. Rosef O, et al. **Acta Vet Scand** 1982; 23(1):128-34
Lysates of turkey-grown Pasteurella multocida: examination of vaccine preparations by electron microscopy. Brogden KA, et al. **Am J Vet Res** 1982 Feb;43(2):304-9
Infectious sinusitis in wild turkeys. Davidson WR, et al. **Avian Dis** 1982 Apr-Jun;26(2):402-5
Efficacy of lincomycin-spectinomycin water medication on Mycoplasma meleagridis airsacculitis in commercially reared turkey poults. Hamdy AH, et al. **Avian Dis** 1982 Apr-Jun;26(2):227-33
Infectious bursal disease virus and Alcaligenes faecalis infections in turkeys. Jackwood DJ, et al. **Avian Dis** 1982 Apr-Jun;26(2):365-74
Pathogenicity of two strains of Mycoplasma gallisepticum in turkeys. Lin MY, et al. **Avian Dis** 1982 Apr-Jun; 26(2):360-4
Avian pox in Florida wild turkeys: Culex nigripalpus and Wyeomyia vanduzeei as experimental vectors. Akey BL, et al. **J Wildl Dis** 1981 Oct;17(4):597-9
Isolations of Salmonella from wild turkeys in Florida. White FH, et al. **J Wildl Dis** 1981 Jul;17(3):327-30
Isolation and characterization of Mycoplasma and Acholeplasma from apparently healthy and diseased (infectious sinusitis) turkeys. El Sayed SA, et al. **Microbiol Immunol** 1981;25(7):639-46
The survivability of Mycoplasma meleagridis in frozen-thawed turkey semen. Ferrier WT, et al. **Poult Sci** 1982 Feb;61(2):379-81
Survival of the bacterial turkey coryza agent. Cimiotti W, et al. **Vet Rec** 1982 Mar 27;110(13):304-6

PARASITOLOGY

Investigations on black fly vectors (Diptera: Simuliidae) of Leucocytozoon smithi (Sporozoa: Leucocytozoidae) in Florida. Pinkovsky DD, et al. **J Med Entomol** 1981 Apr; 18(2):153-7
Parasite-host relationships during the development of Eimeria dispersa Tyzzer 1929, in the turkey (Meleagris gallopavo gallopavo) with a description of intestinal intra-epithelial leucocytes. Millard BJ, et al. **Parasitology** 1982 Feb;84(1):13-20

PHYSIOLOGY

Effect on fertility of storing turkey semen for 24 hours at 10 degrees C in fluids of different pH. Lake PE, et al. **Br Poult Sci** 1982 Jan;23(1):41-7
The effect of continuous aeration on the fertility of fowl and turkey semen stored above 0 degrees C. Wishart GJ. **Br Poult Sci** 1981 Sep;22(5):445-50
Cardiovascular function during treadmill exercise in the turkey. Baudinette RV, et al.
Comp Biochem Physiol [A] 1982;72(2):327-32
Release of avian pancreatic polypeptide by various intraluminal contents in the stomach, duodenum, or ileum of turkeys. Duke GE, et al. **Dig Dis Sci** 1982 Sep; 27(9):782-8
Plasma prostaglandin, LH, and progesterone level during the ovulation cycle of the turkey (Meleagris gallopauvo). Hammond RW, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):400-3
Body weight changes during the reproductive period in four strains of turkey hens. Bacon WL, et al. **Poult Sci** 1982 Mar;61(3):575-7
Turkey sperm oxygen consumption, motility, and percentage dead after incubation in tissue homogenates. Bakst MR, et al. **Poult Sci** 1981 Nov;60(11):2542-7
Effect of insemination intervals on oviducal sperm storage in turkeys. Christensen VL. **Poult Sci** 1981 Sep; 60(9):2150-6
Development of extender and techniques for frozen turkey semen. 2. Fertility trials. Graham EF, et al. **Poult Sci** 1982 Mar;61(3):558-63
Development of extender and techniques for frozen turkey semen. 1. Development. Graham EF, et al. **Poult Sci** 1982 Mar;61(3):550-7
Cytogenetic Studies of embryos developing parthenogenetically in turkeys. Harada K, et al. **Poult Sci** 1981 Jul;60(7):1362-4
Pimpling of egg shells and hatchability in several strains of turkeys. Nestor KE, et al. **Poult Sci** 1981 Aug;60(8):1939-43
Relationships of age and body weight to reproductive traits in turkey hens. Robel EJ. **Poult Sci** 1981 Dec; 60(12):2709-12
Antihypertensive effect of captopril in turkeys. Simpson CF. **Proc Soc Exp Biol Med** 1982 Jan;169(1):101-4

TURNER-KIESER SYNDROME see **NAIL-PATELLA SYNDROME**

TURNER'S SYNDROME

Hygroma cervicis in a 46XY-male stillborn baby. Berant M, et al. **Am J Clin Pathol** 1981 Sep;76(3):342-4

BLOOD

Subnormal pubertal increases of serum androgens in Turner's syndrome. Apter D, et al. **Horm Res** 1982;16(3):164-73
Pubertal secretory patterns of gonadotropins in hypergonadotropic patients (Turner syndrome). Urban MD, et al. **Horm Res** 1981;14(4):209-14
Serum immunoglobulins and lymphocyte subpopulations derangement in Turner's syndrome. Cacciari E, et al. **J Immunogenet** 1981 Oct;8(5):337-44
[Blood protein disk electrophoresis in polyacrylamide gel in Turner's and Klinefelter's syndromes] Kulakova TA. **Probl Endokrinol (Mosk)** 1981 May-Jun;27(3):28-31 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Effect of anorexia nervosa on gonadotrophin secretion in a patient with gonadal dysgenesis. Kauli R, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):363-8
Aortic dissection in Turner's syndrome. Lie JT. **Am Heart J** 1982 Jun;103(6):1077-80
Brief clinical report: dysgerminoma in a patient with the syndrome of gonadal dysgenesis with a 45,X karyotype. Lindsay AN, et al. **Am J Med Genet** 1981;10(1):21-4
Chronic myelogenous leukemia in the monosomic cell line of a fertile Turner syndrome mosaic (45,X/46,XX). Chaganti RS, et al. **Cancer Genet Cytogenet** 1982 Mar; 5(3):215-21
The Mondini defect in Turner's syndrome. A temporal bone report. Windle-Taylor PC, et al. **Clin Otolaryngol** 1982 Apr;7(2):75-80
Bone demineralisation in patients with Turner's syndrome. Smith MA, et al. **J Med Genet** 1982 Apr;19(2):100-3
Association of Grave's Disease with Turner's syndrome [letter] Hirano T. **JAMA** 1981 Nov 27;246(21):2429
Gonadoblastoma in a patient with gonadal dysgenesis without a Y chromosome. Dewhurst J, et al. **Obstet Gynecol** 1982 Feb;59(2):247-9
A six-year-old girl with Turner's syndrome and proteinuria. [clinical conference] Glasier CM, et al. **Urol Radiol** 1981; 3(3):189-90
[XO type of Turner's syndrome associated with coarctation of aorta---case report (author's transl)] Wang LL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep; 8(3):208-9 **(Chi)**
[Surgical treatment of Turner's syndrome associated with coarctation of the aorta: case report (author's transl)] Xiao MD. **Chung Hua Wai Ko Tsa Chih** 1981 Nov;19(11):672 (Eng. Abstr.) **(Chi)**
[Chronic otitis media and hearing loss in Turner's syndrome] Højslet PE. **Ugeskr Laeger** 1981 Oct 5;143(41):2659-60 (Eng. Abstr.) **(Dan)**
[Sudden death in a patient with Turner's syndrome] Herva R, et al. **Duodecim** 1981;97(13):957-9 (Eng. Abstr.) **(Fin)**
[Normal 46,XX daughter born to a 45,X/46,X,del(X)(q25) deletion (author's transl)] de Grouchy J, et al. **Ann Genet (Paris)** 1981;24(4):229-30 **(Fre)**
[Facio-cerebral lymphangioma in the Ullrich-Turner syndrome (author's transl)] Bohl J, et al. **Neurochirurgia (Stuttg)** 1981 Sep;24(5):176-9 (Eng. Abstr.) **(Ger)**
[A case of ovarian arrhenoblastoma] Mandurino S, et al. **Arch Sci Med (Torino)** 1982 Jan-Mar;139(1):139-42 **(Ita)**

DIAGNOSIS

Responsiveness of the pituitary to stimulation with arginine, GRH and TRH in patients with Turner' syndrome (karyotype 45, XO). Kunkel S, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:84-9
Prenatal diagnosis of Turner's syndrome by ultrasonography. Hunter AG, et al. **Can Med Assoc J** 1982 Sep 1;127(5):401
Turner's syndrome and pseudopseudohypoparathyroidism [letter] Stoffer SS. **JAMA** 1982 Mar 26;247(12):1696
45,X karyotype: may the diagnosis be suspected on ultrasonic examination in the second trimester of pregnancy? Tabor A, et al. **Prenatal Diagn** 1981 Oct;1(4):281-3
[Turner's syndrome: mosaic 45,XO; 46,XX; 47,XXX. Clinical and karyogenetic study] Rullo F, et al. **Arch Ostet Ginecol** 1980 Sep-Oct;85(5):387-95 **(Ita)**
[Clinical spectrum of typical variant of gonadal dysgenesis] Dzenis IG, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):37-40 (Eng. Abstr.) **(Rus)**
[Diagnosis of the Shereshevskii-Turner syndrome by using dermatoglyphic indices] Sil'vanskaia EM, et al. **Tsitol Genet** 1982;16(1):49-52 **(Rus)**

DRUG THERAPY

[Improvement in the longitudinal growth in Ullrich-Turner syndrome with oxandrolone. Function of urinary excretion of steroid hormones] Schönberger W, et al. **Dtsch Med Wochenschr** 1982 Jul 2;107(26):1008-11 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Isolated growth hormone deficiency, ovarian dysgenesis and Turner stigmata with normal chromosomal complement. McNeil LW, et al. **Acta Endocrinol (Copenh)** 1981 Sep; 98(1):95-8
Ullrich-Turner syndrome (45,X/46,X,i[Xq]) in a child with a familial inversion of chromosome 3. Stine SB, et al. **Am J Med Genet** 1982 May;12(1):57-62
Gonadal and statural determinants on the X chromosome and their relationship to in vitro studies showing prolonged cell cycles in 45,X; 46,X,del(X)(p11); 46,X,del(X)(q13); and 46,X,del(X)(q22) fibroblasts. Simpson JL, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):930-40
46, X, del (X) (p21) in a 14-year-old female with Turner signs, one streak and one normal ovary. Crisalli M, et al. **Ann Genet (Paris)** 1981;24(2):114-6
A boy with true hermaphroditism and sex chromosome mosaicism and a fertile woman with Turner mosaicism in a family with a translocation 8p:19P. Annerén G, et al. **Clin Genet** 1981 Oct;20(4):289-95
Clinical and cytogenetic aspects of X-chromosome deletions. Goldman B, et al. **Clin Genet** 1982 Jan;21(1):36-52
Turner's syndrome and 45,XO/46,X,del(X)(p11p22) karyotype. Laća Z, et al. **Clin Genet** 1981;19(4):262-5
H-Y antigen in Turner's syndrome patients with different sex chromosome constitutions. Engel W, et al. **Hum Genet** 1981;59(4):333-6
Cytogenetic investigation of six patients with X isochromosomes, i(Xq), and of two subjects with isodicentric X chromosomes, idic (Xq). Gaál M, et al. **Hum Genet** 1981;58(4):362-5
Finger ridge-count variation in 45,X Turner's syndrome. Jantz RL, et al. **Hum Genet** 1981;57(4):376-9
Distamycin A-DAPI banding of nonfluorescent Y(Ynf) chromosomes in 45,X/46,XYnf mosaicism. Wisniewski LP, et al. **Hum Genet** 1982;60(2):130-2
The Dermatoglyphics of Jewish XXY Klinefelter's and X Turner's patients. Katznelson MB. **Prog Clin Biol Res** 1982; 84:435-49
[X short arm deletion and Turner syndrome. A new case 46, X, del (X) (p11) (author's transl)] Salesses A, et al. **Ann Endocrinol (Paris)** 1981 Apr-Jun;42(2):147-51 (Eng. Abstr.) **(Fre)**
[Mosaic Turner's syndrome with 45 X0/47 XYY (author's transl)] Schober E, et al. **Monatsschr Kinderheilkd** 1981 Aug;129(8):479-81 (Eng. Abstr.) **(Ger)**
[Pericentric inversions of chromosomes 1, 9 and 16 in patients with sex chromosome anomalies] Verlinskaia DK, et al. **Tsitol Genet** 1982;16(1):57-60 (Eng. Abstr.) **(Rus)**
[Ambiguous genitalia in a patient with a mosaic 45, X/46, Xi(Yq) (author's transl)] Quiñonez MG, et al. **Rev Invest Clin** 1981 Apr-Jun;33(2):199-203 **(Spa)**

IMMUNOLOGY

Presence of H-Y antigen in patients with Ullrich-Turner syndrome and X-chromosome rearrangements. Haseltine FP, et al. **Am J Med Genet** 1982 Jan;11(1):97-107

METABOLISM

Prolactin response to thyrotropin-releasing hormone in children with Turner's syndrome and hyperthyroidism. Abe K, et al. **Eur J Pediatr** 1982 Mar;138(2):176-8

PATHOLOGY

Ovarian neurosecretory-type cells in Turner's syndrome. Parrish ML, et al. **Arch Pathol Lab Med** 1981 Oct; 105(10):512-4

[Somatic manifestations in gonosomal syndromes. I. Study of Turner's syndrome] Burcoveanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):117-21 (Eng. Abstr.) **(Rum)**

PHYSIOPATHOLOGY

Abnormal secretion of growth hormone in response to thyrotropin releasing hormone in ring Turner's syndrome. Iba K, et al. **Osaka City Med J** 1980;26(2):125-34

PSYCHOLOGY

[Turner's syndrome, monozygotic twinship and psychosis or the indivisible ovum] Trapet P, et al. **Ann Med Psychol (Paris)** 1981 May;139(5):581-5 **(Fre)**

[Psychological problems in 3 women with Turner's syndrome] Toudic L, et al. **J Genet Hum** 1981 Dec;29(5 Suppl):565-81 **(Fre)**

RADIOGRAPHY

[Radiography of the female genitalia in childhood] Willich E, et al. **Rontgenpraxis** 1982 Jun;35(6):207-13 **(Ger)**

[Multidimensional statistical analysis of the length of metacarpal and finger bones in Turner's syndrome (author's transl)] Flejsierowicz Z, et al. **Pol Przegl Radiol** 1981 Jan-Feb;45(1):1-5 (Eng. Abstr.) **(Pol)**

URINE

Urinary total hydroxyproline excretion in patients with Turner's syndrome and Klinefelter's syndrome. Jakubowski L. **Horm Metab Res** 1981 Jul;13(7):399-403

TURNER'S SYNDROME, MALE see **NOONAN SYNDROME**

TURNOVER, PERSONNEL see **PERSONNEL MANAGEMENT**

TURPENTINE

Studies on acute inflammation in the chicken using turpentine-induced pleuroperitonitis as a test system. Jain NK, et al. **Vet Rec** 1982 May 1;110(18):421-2

ADVERSE EFFECTS

Punk rocker's lung: pulmonary fibrosis in a drug snorting fire-eater. Buchanan DR, et al. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1661

PHARMACODYNAMICS

Effect of Walker 256 tumor or turpentine on hemostatic factors locally and generally in rats. Owen CA. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):919-24

Effect of adrenalectomy on cadmium- and turpentine-induced hepatic synthesis of metallothionein and alpha 2-macrofetoprotein in the rat. Sobocinski PZ, et al. **Inflammation** 1981 Jun;5(2):153-64

[Hematopoietic progenitor cells (CFU-E and CFU-C) in turpentine abscessed rats (author's transl)] Aoki I, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):1014-9 (Eng. Abstr.) **(Jpn)**

POISONING

[Poisoning by spirits of turpentine or turpentine oil. Review of its treatment apropos of a personal case] Cubells JM, et al. **An Esp Pediatr** 1982 May;16(5):437-42 (Eng. Abstr.) **(Spa)**

TURTLES

Atrophic gastritis in a Hermann's tortoise (Testudo hermanni) and two red-eared turtles (Chrysemys scripta elegans). Zwart P, et al. **Am J Vet Res** 1981 Dec;42(12):2191-5

Radiology in tortoises, terrapins and turtles as an aid to diagnosis. Jackson OF, et al. **J Small Anim Pract** 1981 Nov; 22(11):705-16

Gastric ulceration associated with larval nematodes (Anisakis sp. type I) in pen reared green turtles (Chelonia mydas) from Torres Strait. Burke JB, et al. **J Wildl Dis** 1982 Jan; 18(1):41-6

A plastic restraining device for turtles. Hauser JJ, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):528-9

Repair of shell damage in tortoises. Rosskopf WJ Jr, et al. **Mod Vet Pract** 1981 Dec;62(12):938-9

Surgical removal of a foreign body in a bastard turtle. Isenbugel E, et al. **VM SAC** 1981 Dec;76(12):1766-8

ANATOMY & HISTOLOGY

The ultrastructure of isolated glial (Müller) cells from the turtle retina. Sarthy PV, et al. **Anat Rec** 1982 Feb; 202(2):275-83

Comparative ultrastructural study of the Ito cells in the liver in some reptiles. Taira K, et al. **Arch Histol Jpn** 1981 Sep; 44(4):373-84

Morphology and immunocytochemistry of the turtle pituitary gland with special reference to the pars tuberalis. Pearson AK, et al. **Cell Tissue Res** 1982 Jan;222(1):81-100

Ultrastructure of splenic white pulp of the turtle, Mauremys caspica. Zapata A, et al. **Cell Tissue Res** 1981;220(4):845-55

Dorsal root projections to the cerebellum in turtle. Künzle H. **Exp Brain Res** 1982;45(3):464-6

Connections of the small bipolar cells with the photoreceptors in the turtle. An electron microscope study of Golgi-impregnated, gold-toned retinas. Dacheux RF. **J Comp Neurol** 1982 Feb 10;205(1):55-62

Quantitative electron microscopic analysis of the optic nerve of the turtle, Pseudemys. Geri GA, et al. **J Comp Neurol** 1982 May 1;207(1):99-103

Cytochemical study of cholinesterases in the normal and retino-derived optic tectum of reptiles. Villani L, et al. **J Hirnforsch** 1982;23(1):55-66

The distribution of motoneurons innervating hindlimb muscles in the terrapin Pseudemys scripta elegans. Ruigrok TJ, et al. **Neurosci Lett** 1982 Feb 12;28(2):157-62

Anatomy and physiology of the horizontal cells of the visual streak region of the turtle retina. Normann RA, et al. **Vision Res** 1981;21(11):1585-8

Ultrastructure investigations into the impulse-generating centre in the heart of the European pond turtle (Emys orbicularis). Abrahám A. **Z Mikrosk Anat Forsch** 1982; 96(2):254-68

[Periodically striated structures in the subcommissural organ of Clemmys caspica leprosa (Chelonia, Testudinidae) (author's transl)] Carrato-Ibañez A, et al. **Anat Anz** 1981; 150(3):281-6 (Eng. Abstr.) **(Ger)**

[The fine structure and innervation of intraocular muscles in sauropsids (author's transl)] Chikuda M. **Nippon Ganka Gakkai Zasshi** 1982;86(1):24-35 (Eng. Abstr.) **(Jpn)**

[Comparative study of the neuronal and synaptic organization of the tectum mesencephali in the Caspian (Clemmys caspica Gmel.) and pond (Emys orbicularis L.) tortoises] Davydova TV, et al. **Arkh Anat Gistol Embriol** 1981 Oct; 81(10):24-30 (Eng. Abstr.) **(Rus)**

BLOOD

Hematology and serum chemistry of the gopher tortoise, Gopherus polyphemus. Taylor RW Jr, et al. **Comp Biochem Physiol [A]** 1982;72(2):425-8

Turtle hemoglobin: evidence of a T-state oxyhemoglobin. Louro SR, et al. **FEBS Lett** 1982 Jun 7;142(2):293-6

Plasma aldosterone levels in the female tortoise Testudo hermanni Gmelin in different experimental conditions. Uva B, et al. **Gen Comp Endocrinol** 1982 Jan;46(1):116-23

Normal hemogram and blood chemistry values for California desert tortoises. Rosskopf WJ Jr. **VM SAC** 1982 Jan; 77(1):85-7

Differential leucocyte count in both sexes of an Indian soft-shelled turtle (Lissemys punctata punctata). Kumar De T, et al. **Z Mikrosk Anat Forsch** 1981;95(6):1065-9

[Correlation between hematologic and biochemical indices of Testudo horsfieldi turtles] Tiunov LA, et al. **Biull Eksp Biol Med** 1981 Jul;92(7):47-9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Erythropoiesis and haemoglobin ontogeny in the turtle Emys orbicularis L. Vasse J, et al. **J Embryol Exp Morphol** 1981 Apr;62:129-38

Temperature-sensitive periods of sex determination in Emydid turtles. Bull JJ, et al. **J Exp Zool** 1981 Dec; 218(3):435-40

GENETICS

Sex chromosomes of the Asian black pond turtle, Siebenrockiella crassicollis (Testudines: Emydidae). Carr JL, et al. **Cytogenet Cell Genet** 1981;31(3):178-83

METABOLISM

Intracellular phosphate pools show compartmentalization of intracellular pH in turtle urinary bladder. Arruda JA, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1459-63

On the responses of the isolated rectum of West African land tortoise (Kinixys spp.) to drugs. Ojewole JA, et al. **Biochem Exp Biol** 1980;16(3):239-45

Changes in the phosphorus metabolism of a diving turtle observed by 31P-NMR. Wemmer D, et al. **Biochim Biophys Acta** 1982 Jun 8;720(3):281-7

Lead in the bone and soft tissues of box turtles caught near smelters. Beresford WA, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):349-52

Chemoarchitectonics of metencephalon of Testudo elegant. Sood PP. **Folia Histochem Cytochem (Krakow)** 1981; 19(2):123-7

Gonadal steroid levels in the turtle Emys orbicularis L.: a preliminary study in embryos, hatchlings, and young as a function of the incubation temperature of eggs. Pieau C, et al. **Gen Comp Endocrinol** 1982 Jul;47(3):392-8

The proton translocating ATPase responsible for urinary acidification. Gluck S, et al. **J Biol Chem** 1982 Aug 25; 257(16):9230-3

[Hydrogen ion transport mechanism in turtle bladders] Itoi K, et al. **Nippon Rinsho** 1981 Nov;39(11):3398-405 **(Jpn)**

MICROBIOLOGY

Edwardsiella tarda gastroenteritis associated with a pet turtle. Nagel P, et al. **Gastroenterology** 1982 Jun;82(6):1436-7

PARASITOLOGY

Pathological changes associated with cardiovascular trematodes (Digenea: Spirorchidae) in a green sea turtle Chelonia mydas (L.). Glazebrook JS, et al. **J Comp Pathol** 1981 Jul;91(3):361-8

Spirorchidiasis in loggerhead sea turtles (Caretta caretta): pathology. Wolke RE, et al. **J Wildl Dis** 1982 Apr; 18(2):175-85

Efficacy of fenbendazole against the nematodes of reptiles. Holt PE, et al. **Vet Rec** 1982 Mar 27;110(13):302-4

[Helminths of tortoises and deworming trials with drugs] Claussen J, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15;94(20):411-4 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Circulatory mechanoreceptors in the pond turtle Pseudemys scripta. Faraci FM, et al. **Am J Physiol** 1982 Mar; 242(3):R216-9

Specialized function of carbonic anhydrase-rich and granular cells of turtle bladder. Schwartz JH, et al. **Am J Physiol** 1982 Jun;242(6):F627-33

Permeability and channel structure of reptilian skin. Stokes GD, et al. **Am J Physiol** 1982 Jun;242(6):F681-9

Sea-finding behaviour of loggerhead hatchlings: the time course of transient circling following unilateral and asynchronous bilateral blindfolding. Kingsmill SF, et al. **Brain Behav Evol** 1982;20(1-2):29-42

Ganglion cells and (dye-coupled) amacrine cells in the turtle retina that have possible synaptic connection. Jensen RJ, et al. **Brain Res** 1982 May 20;240(1):146-50

Circadian rhythm in blood sugar and adrenomedullary hormonal concentrations in an avian and a reptilian species. Choudhury S, et al. **Gen Comp Endocrinol** 1982 Jan; 46(1):110-2

Purification of thyrotropin from the pituitaries of two turtles: the green sea turtle and the snapping turtle. MacKenzie DS, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):39-48

Thyrotropin-releasing hormone and thyrotropin in the control of thyroid function in the turtle, Chrysemys picta. Sawin CT, et al. **Gen Comp Endocrinol** 1981 Sep;45(1):7-11

Blockade of angiotensin pressor activity in the freshwater turtle. Stephens GA. **Gen Comp Endocrinol** 1981 Nov; 45(3):364-71

Membrane specializations in the outer plexiform layer of the turtle retina. Schaeffer SF, et al. **J Comp Neurol** 1982 Jan 20;204(3):253-67

Long-term submergence at 3 degrees C of the turtle Chrysemys picta bellii in normoxic and severely hypoxic water. III. Effects of changes in ambient PO2 and subsequent air breathing. Ultsch GR, et al. **J Exp Biol** 1982 Apr;97:87-99

Blockade of synaptic inhibition reveals long-lasting synaptic excitation in isolated turtle olfactory bulb. Nowycky MC, et al. **J Neurophysiol** 1981 Sep;46(3):649-58

GABAergic mechanisms of dendrodendritic synapses in isolated turtle olfactory bulb. Nowycky MC, et al. **J Neurophysiol** 1981 Sep;46(3):639-48

Non-linearities in the responses of turtle hair cells. Crawford AC, et al. **J Physiol (Lond)** 1981 Jun;315:317-38

An intracellular analysis of dendrodendritic inhibition in the turtle in vitro olfactory bulb. Jahr CE, et al. **J Physiol (Lond)** 1982 May;326:213-34

Electrophysiological analysis of mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Physiol (Lond)** 1981 May;314:281-94

Analysis of a long-duration inhibitory potential in mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Physiol (Lond)** 1981 May;314:311-20

Analysis of synaptic potentials in mitral cells in the isolated turtle olfactory bulb. Mori K, et al. **J Physiol (Lond)** 1981 May;314:295-309

Visual properties of cells in anterior dorsal ventricular ridge of turtle. Dünser KR, et al. **Neurosci Lett** 1981 Sep 25; 25(3):281-5

Melatonin and behavioral thermoregulation in the turtle, Terrapene carolina triunguis. Erskine DJ, et al. **Physiol Behav** 1981 Jun;26(6):991-4

Relations between capillary dimensions and transmural pressure in the turtle lung. Farrell AP. **Respir Physiol** 1981 Jul;45(1):13-24

Oxygen affinity of sea turtle blood. Lapennas GN, et al. **Respir Physiol** 1982 Apr;48(1):59-74

Effects of pH, CO2 and organic phosphates on oxygen affinity of sea turtle hemoglobins. Lutz PL, et al. **Respir Physiol** 1982 Apr;48(1):75-87

Temperature-dependent sex determination: current practices threaten conservation of sea turtles. Morreale SJ, et al. **Science** 1982 Jun 11;216(4551):1245-7

Blue cone input to the photopic electroretinogram of the turtle Pseudemys. Geri GA. **Vision Res** 1981;21(6):893–6
Peripheral antagonism in the small field L-horizontal cells (L2-HC) of turtle retina. Piccolino M, et al. **Vision Res** 1981;21(11):1579–80
Physiological and morphological study of the inner plexiform layer in the turtle retina. Weiler R, et al. **Vision Res** 1981; 21(11):1635–8
[Regeneration of skeletal muscle after mechanical trauma in reptiles] Novoselova IL, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):89–91 (Eng. Abstr.) **(Rus)**
[Role of calcium ions in action potential generation by pacemaker cells of the sinoatrial region of the heart in the turtle] Golovko VA. **Fiziol Zh SSSR** 1982 Mar;68(3):380–4 **(Rus)**
[Electrophysiologic characteristics of representations of the auditory and somatosensory systems in the turtle midbrain] Khachunts AS. **Neirofiziologiia** 1982;14(3):260–9 (Eng. Abstr.) **(Rus)**
[Synaptic responses of medulla oblongata neurons to stimulation of the 'locomotor area' in the turtle] Selionov VA, et al. **Neirofiziologiia** 1982;14(2):122–9 (Eng. Abstr.) **(Rus)**
[Ionic mechanisms of the nonlinearity of retinal horizontal cell membranes] Trifonov IuA, et al. **Neirofiziologiia** 1981; 13(5):531–9 (Eng. Abstr.) **(Rus)**
[Plastic changes in responses of chemo- and electro-excitable membranes of a cortical neurons following orthodromal tetanization] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):789–802 (Eng. Abstr.) **(Rus)**
[Post-tetanic changes in the excitation threshold of the excitable membrane of a cortical neuron by a depolarizing current] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1063–70 (Eng. Abstr.) **(Rus)**

SURGERY

Electrosurgical excision of a mass in the cloacal region of a male Galapagos tortoise. Ensley PF, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1289–91

TWEENS see **POLYSORBATES**

TWIN TRANSFUSION SYNDROME see **FETOFETAL TRANSFUSION**

TWINS

see related
DISEASES IN TWINS

Psoriasis in monozygotic twins: variations in expression in individuals with identical genetic constitution. Brandrup F, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):229–36
On the distribution of nonrighthandedness among twins and their families. Boklage CE. **Acta Genet Med Gemellol (Roma)** 1981;30(3):167–87
Cholinesterase, arylesterase, and lipoprotein parameters in twins. Boman H. **Acta Genet Med Gemellol (Roma)** 1980; 29(4):281–7
A study of dietary intake in adult monozygotic twins. Corey LA, et al. **Acta Genet Med Gemellol (Roma)** 1980; 29(4):263–71
The inheritance of plasma and red blood cell magnesium and zinc levels studied from twin and family data. Darlu P, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):67–75
Weight changes in adult twins. Fabsitz R, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(4):273–9
Low birth weight in twins versus singletons: separate entities and different implications for child growth and survival. Gedda L, et al. **Acta Genet Med Gemellol (Roma)** 1981; 30(1):1–8
Reproductive histories in a Norwegian twin population: evaluation of the maternal effect in early spontaneous abortion. Golden WL. **Acta Genet Med Gemellol (Roma)** 1981;30(2):91–65
Genetic expectations of polar body twinning. Goldgar DE, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):257–66
Mortality rate of Japanese twins and triplets. II. Socioeconomic factors influencing infant deaths of twins after birth to one year of age. Imaizumi Y, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):275–80
Multivariate logit analysis of concordance ratios for quantitative traits in twin studies. Kaprio J, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(4):267–74
Utility of genetic markers in the study of human resemblance. Kimberling WJ, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(4):255–62
Blood typing and twin zygosity: a comparison of two methods. Lykken DT. **Acta Genet Med Gemellol (Roma)** 1981;30(4):293–5
Plasma lipid variability in the Toronto Twin Register. Milner J, et al. **Acta Genet Med Gemellol (Roma)** 1980; 29(4):299–302
A genetic analysis of taste threshold for phenylthiocarbamide. Morton CC, et al. **Acta Genet Med Gemellol (Roma)** 1981; 30(1):51–7
Quinacrine mustard and nucleolar organizer region heteromorphisms in twins. Morton CC, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):39–49
The factors that influence twinning rates. Nylander PP. **Acta Genet Med Gemellol (Roma)** 1981;30(3):189–202
Determinants of ridge counts in MZ twin kinships. Phelan MC, et al. **Acta Genet Med Gemellol (Roma)** 1981; 30(1):59–66
Term twins with discordant birth weights: observations at birth and one year. Philip AG. **Acta Genet Med Gemellol (Roma)** 1981;30(3):203–12
Zygosity test based on growth measures: a Bayesian approach. Rossi C, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(3):217–22
Matching in epidemiology as a paradigm for twin research on the etiology of disease. White C. **Acta Genet Med Gemellol (Roma)** 1981;30(1):77–86 (11 ref.)
A statistical model and analysis for genetic and environmental effects in responses from twin-family studies. Williams JS, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):9–38
A search for stratification-free association between plasma lipids and HLA using dizygotic twins. Winata SS, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(3):213–6
Ketone compound smelling ability: study in Hungarian twins. Forrai G, et al. **Acta Med Acad Sci Hung** 1981;38(2):153–8
Genetics of autoantibodies in relation to disease. An epidemiological study of two population series. Aho K, et al. **Acta Med Scand** 1982 May;211(3):213–8
Plasma and red cell folate in newborn twins and their mothers in relation to gestational age. Ek J. **Acta Obstet Gynecol Scand** 1981;60(4):379–83
Prothrombin Gainesville. A dysprothrombinemia in a pair of identical twins. Smith LG, et al. **Am J Hematol** 1981 Nov;11(3):223–31
Analysis of rates of globin synthesis in normal human fetuses and neonates and in twins. Smith MB, et al. **Am J Hematol** 1982 Apr;12(2):121–30
Maternal effects in dermatoglyphics: similarities from twin studies among palmar, plantar, and fingertip variables. Reed T, et al. **Am J Hum Genet** 1982 Mar;34(2):349–52
Clinicopathological conference: a newborn monozygotic twin with abnormal facial appearance and respiratory insufficiency. Juberg RC, et al. **Am J Med Genet** 1981; 10(2):193–200
Neurofibromatosis in monozygotic twins: a case report of spontaneous mutation. Vaughn AJ, et al. **Am J Med Genet** 1981;8(2):155–8
Variable deceleration on nonstress test of monoamniotic twins. Barrett JM, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):583–5
The effect of type of delivery upon neonatal outcome in premature twins. Barrett JM, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):360–7
The epidemiology of neonatal death in twins. McCarthy BJ, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):252–6
Pulmonary function in identical twins raised apart. Hankins D, et al. **Am Rev Respir Dis** 1982 Jan;125(1):119–21
Genetic and environmental influences on pulmonary function in adult twins. Hubert HB, et al. **Am Rev Respir Dis** 1982 Apr;125(4):409–15
A twin study of skin reflectance. Clark P, et al. **Ann Hum Biol** 1981 Nov–Dec;8(6):529–41
Dizygotic twinning, marital stage and status and coital rates. James WH. **Ann Hum Biol** 1981 Jul–Aug;8(4):371–8
Spasmus nutans in identical twins. Katzman B, et al. **Ann Ophthalmol** 1981 Oct;13(10):1193–5
Giant pigmented nevus occurring in one identical twin. Amir J, et al. **Arch Dermatol** 1982 Mar;118(3):188–9
Plasma MHPG in rapid cyclers and healthy twins. Jimerson DC, et al. **Arch Gen Psychiatry** 1981 Nov;38(11):1287–90
Report on a very young dizygotic human twin pregnancy. Meyer WR, et al. **Arch Gynecol** 1981;231(1):51–6
In vitro Ig synthesis and antilymphocyte antibody in monozygotic twins discordant for systemic lupus erythematosus [letter] Tanimoto K, et al. **Arthritis Rheum** 1982 Jun;25(6):715–6
Australian N.H. & M.R.C. Twin Registry [letter] Martin NG, et al. **Aust NZ J Med** 1982 Feb;12(1):97
Multiple pregnancy and fetal abnormalities in association with oral contraceptive usage. Macourt DC, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):25–8
Growth and development of twins compared with singletons at ages five and seven: a follow-up report from the Dunedin Multidisciplinary Child Development Study. Silva PA, et al. **Aust Paediatr J** 1982 Mar;18(1):35–6
Diagnosis of zygosity in twins: reply to Wilson [letter] Lykken DT. **Behav Genet** 1981 Nov;11(6):589–91
Multivariate behavioral genetic analysis of twin data on scholastic abilities. Plomin R, et al. **Behav Genet** 1979 Nov; 9(6):505–17
Twin-family studies of perceptual speed ability. II. Parameter estimation. Rose RJ, et al. **Behav Genet** 1981 Nov; 11(6):565–75
Twin method: defense of a critical assumption. Scarr S, et al. **Behav Genet** 1979 Nov;9(6):527–42
Coarctation of the aorta in monozygotic twins. Sehested J. **Br Heart J** 1982 Jun;47(6):619–20
Corneal endothelial cell density in twins. Price NC, et al. **Br J Ophthalmol** 1981 Dec;65(12):812–4
A twin study of aryl hydrocarbon hydroxylase (AHH) inducibility in cultured lymphocytes. Børresen AL, et al. **Clin Genet** 1981;19(4):281–9
The apoE polymorphism studied by two-dimensional, high-resolution gel electrophoresis of serum. Børresen AL, et al. **Clin Genet** 1981 Dec;20(6):438–48
Increased amnionic fluid alpha-fetoprotein due to a holoacardium amorphous twin. Harger JH, et al. **Clin Genet** 1981;19(4):257–61
Complex segregation analysis of the Lp(a)/pre-beta 1-lipoprotein trait. Iselius L, et al. **Clin Genet** 1981 Aug; 20(2):147–51
Genetics of the low density lipoprotein receptor: II. Genetic control of variation in cell membrane low density lipoprotein receptor activity in cultured fibroblasts. Magnus P, et al. **Clin Genet** 1981 Aug;20(2):104–12
The atrioventricular conduction time – a heritable trait? III. Twin studies. Møller P, et al. **Clin Genet** 1982 Mar; 21(3):181–3
Effects of age, sex and genes on sister chromatid exchange. Waksvik H, et al. **Clin Genet** 1981 Dec;20(6):449–54
Concordant optic glioma in a pair of monozygotic twins with neurofibromatosis. Cartwright SC. **Clin Pediatr (Phila)** 1982 Apr;21(4):236–8
Heritability of the low density lipoprotein receptor activity of human blood mononuclear cells: studies in normolipidaemic adult male twins. Weight M, et al. **Clin Sci** 1982 Apr;62(4):397–401
A computer calculation of probability of monozygosity for twins. Minakata K, et al. **Comput Programs Biomed** 1981 Mar–Jun;13(1–2):131–8
Nickel allergy--reliability of patch test. Evaluated in female twins. Menne T. **Derm Beruf Umwelt** 1981;29(6):156–60
Achalasia in monozygotic twins. Stein DT, et al. **Dig Dis Sci** 1982 Jul;27(7):636–40
Use of twins to study environmental effects. Christian JC. **Environ Health Perspect** 1981 Dec;42:103–6
The use of human placental lactogen, oxytocinase and estriol in twin pregnancies with intrauterine growth retardation. Briët JW, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Feb;13(1):7–14
Eleven cases of hereditary fructose intolerance in one Swiss family with a pair of monozygotic and of dizygotic twins. Rampa M, et al. **Helv Paediatr Acta** 1981 Sep;36(4):317–24
The advantages of analysing human variation using twins and twin half-sibs and cousins. Haley CS, et al. **Heredity (Edinburgh)** 1981 Oct;47(2):221–36
Genetic determination of NOR activity in human lymphocytes from twins. Zakharov AF, et al. **Hum Genet** 1982;60(1):24–9
Estimates of the genetical and environmental determinants of serum lipid and lipoprotein concentrations in Brazilian twins. Duccini Dal Colletto GM, et al. **Hum Hered** 1981; 31(4):232–7
Sex ratio of twin births in Japan. Imaizumi Y. **Hum Hered** 1982;32(2):106–13
Atypical petit mal epilepsy in twins. Shukla R, et al. **Indian J Pediatr** 1981 Mar–Apr;48(391):179–81
Twinning following oral contraceptive discontinuation. Hemon D, et al. **Int J Epidemiol** 1981 Dec;10(4):319–28
Control of breathing in young twins. Kawakami Y, et al. **J Appl Physiol** 1982 Mar;52(3):537–42
Variance of occlusion traits in twins. Potter RH, et al. **J Craniofac Genet Dev Biol** 1981;1(2):217–27
Lipodystrophia centrifugalis abdominalis infantilis in dizygotic twins. Mizoguchi M, et al. **J Dermatol (Tokyo)** 1982 Apr;9(2):139–43
The falling twin rate in Greece. Katsouyiannopoulos V. **J Epidemiol Community Health** 1981 Sep;35(3):218–9
Antenatal diagnosis of Niemann-Pick disease in a twin pregnancy. Donnai P, et al. **J Med Genet** 1981 Oct; 18(5):359–61
Monozygotic twins discordant for rubinstein-taybi syndrome. Kajii T, et al. **J Med Genet** 1981 Aug;18(4):312–4
Monoamniotic twin pregnancy. Colburn DW, et al. **J Reprod Med** 1982 Mar;27(3):165–8
Superfecundation. Harris DW. **J Reprod Med** 1982 Jan; 27(1):suppl 39
The acquisition of personal pronouns and proper names by an identical twin pair. Waterman P, et al. **J Speech Hear Res** 1982 Mar;25(1):149–54
Identical twins discordant for the 'rudimentary testes' syndrome. Glass AR. **J Urol** 1982 Jan;127(1):140–1
Analysis of multiple births in Japan. V. Effects of gestational age, maternal age and other factors on growth rate of weight in twins. Asaka A, et al. **Jinrui Idengaku Zasshi** 1981 Jun;26(2):83–90
Gamma 3 gene duplication. Matsumoto H, et al. **Jinrui Idengaku Zasshi** 1981 Sep;26(3):217–25
Absence of palmar digital triradius d in Japanese twins and their families. Okajima M, et al. **Jinrui Idengaku Zasshi** 1982 Mar;27(1):27–34
Breastfeeding twins: maternal-infant nutrition. Leonard LG. **JOGN Nurs** 1982 May–Jun;11(3):148–53
Twin pregnancy: maternal-fetal nutrition. Leonard LG. **JOGN Nurs** 1982 May–Jun;11(3):139–45
Birthweight difference in monozygous twins followed by difference in development of body weight [letter] Baigts F, et al. **Lancet** 1982 Jul 31;2(8292):274
Acute pancreatitis in identical twins. Henderson J, et al. **Med J Aust** 1982 May 15;1(10):432–4
Australian NHMRC twin registry [letter] Martin NG, et al. **Med J Aust** 1981 Nov 14;2(10):518
Zygosity and placentation in twins [letter] Mathews JD, et al. **Med J Aust** 1981 Nov 14;2(10):515
Neuroblastoma in a pair of identical twins. Mancini AF, et al. **Med Pediatr Oncol** 1982;10(1):45–51
Selective birth in twin pregnancy [letter] **N Engl J Med** 1981 Nov 12;305(20):1218–9
Are monozygotic twins similar due to genetic factors alone? [letter] Jinks JL, et al. **Nature** 1982 Jan 14;295(5845):172
Delivery of second twin [letter] **Obstet Gynecol** 1982 May;

59(5):667–9
Delivery of the second twin. Acker D, et al. **Obstet Gynecol** 1982 Jun;59(6):710–1
A comparison of identical twins in relation to three dental anomalies: multiple supernumerary teeth, juvenile periodontosis, and zero caries incidence. Rubin MM, et al. **Oral Surg** 1981 Oct;52(4):391–4
Monozygotic twins with ulcerative colitis. Mayberry JF, et al. **Postgrad Med J** 1982 Feb;58(676):112–4
Sampling pure fetal blood in twin pregnancies by fetoscopy using a single uterine puncture. Rodeck CH, et al. **Prenatal Diagn** 1981 Jan;1(1):43–9
Genetic variation in rates of antipyrine metabolite formation: a study in uninduced twins. Penno MB, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5193–6
Twin research 3. Proceeding of the Third International Congress on Twin Studies. June 16–20, 1980, Jerusalem. Part A. Twin biology and multiple pregnancy. **Prog Clin Biol Res** 1981;69A:1–223
Twin research 3. Proceedings of the Third International Congress on Twin Studies June 16–20, 1980, Jerusalem. Part C. Epidemiological and clinical studies. **Prog Clin Biol Res** 1981;69 Pt C:1–279
The Twinning and Fertility Paradox. Allen G. **Prog Clin Biol Res** 1981;69A:1–13 (29 ref.)
Errors of Weinberg's difference method. Allen G. **Prog Clin Biol Res** 1981;69A:71–4
Twin studies: are sequential methods useful? Bearman JE. **Prog Clin Biol Res** 1981;69 Pt C:13–6
The Northwestern University multihospital twin study: III. Obstetric characteristics and outcome. Berger GS, et al. **Prog Clin Biol Res** 1981;69A:207–15
Echographic imagery of amniotic membranes in twin pregnancies. Bessis R, et al. **Prog Clin Biol Res** 1981; 69A:183–7
On the timing of monozygotic twinning events. Boklage CE. **Prog Clin Biol Res** 1981;69A:155–65
The study of mental ability using twin and adoption designs. Bouchard TJ Jr. **Prog Clin Biol Res** 1981;69 Pt B:21–3
The age distribution of dizygotic twinning in humans and cattle: etiologic implications. Burch PR. **Prog Clin Biol Res** 1981;69A:115–22
A longevity study of twins in the Mormon genealogy. Carmelli D, et al. **Prog Clin Biol Res** 1981;69 Pt C:187–200
Preliminary findings from a twin study of alcohol use. Clifford CA, et al. **Prog Clin Biol Res** 1981;69 Pt C:47–52
Genetics of quantitative variation of human scalp hair diameter. Das-Chaudhuri AB. **Prog Clin Biol Res** 1981;69 Pt C:231–8
Are distances between DZ twins for polygenes and for major genes correlated? Defrise-Gussenhoven E, et al. **Prog Clin Biol Res** 1981;69 Pt C:239–46
How stable are personality traits? Eaves LJ, et al. **Prog Clin Biol Res** 1981;69 Pt B:87–97
The Hamilton twin study: comparison and serum lipid levels in monozygotic and dizygotic twins by chorion type. Feinleib M, et al. **Prog Clin Biol Res** 1981;69 Pt C:149–61
Intelligence-test results in opposite-sex twins. Fischbein S. **Prog Clin Biol Res** 1981;69 Pt B:43–50
Characteristics of smoking- discordant monozygotic twins. Friedman GD, et al. **Prog Clin Biol Res** 1981;69 Pt C:17–22
Development of Piagetian logicomathematical concepts and other specific cognitive abilities. Garfinkle A, et al. **Prog Clin Biol Res** 1981;69 Pt B:51–60
Parental age, sibship's size, and sibship's sex ratio in twins: a progress report. Gedda L, et al. **Prog Clin Biol Res** 1981; 69A:75–80
Study of mirror imaging in twins. Gedda L, et al. **Prog Clin Biol Res** 1981;69A:167–8
Twin studies and chronogenetics. Gedda L, et al. **Prog Clin Biol Res** 1981;69 Pt C:169–78
Studies of mutability in MZ twins. Gedda L, et al. **Prog Clin Biol Res** 1981;69 Pt C:247–8
Twin azygotic test: an application to Italian twin data. Gedda L, et al. **Prog Clin Biol Res** 1981;69 Pt C:9–11
Cytogenetic and antigenic studies in a pair of twins: a normal boy and a trisomic 21 girl with chimera. Gilgenkrantz S, et al. **Prog Clin Biol Res** 1981;69A:141–53
The analysis of spontaneous abortion using a new half-sib model for qualitative traits. Golden WL, et al. **Prog Clin Biol Res** 1981;69A:197–202
The interaction of family attitudes and cognitive abilities in the La Trobe twin study of behavioural and biological development. Hay DA, et al. **Prog Clin Biol Res** 1981;69 Pt B:235–50
Blood pressure in Norwegian twins. Heiberg A, et al. **Prog Clin Biol Res** 1981;69 Pt C:163–8
Some observations concerning the decline of dizygotic twinning rate in France between 1901 and 1968. Hémon D, et al. **Prog Clin Biol Res** 1981;69A:49–56
Blood groups, physical appearance, and personality similarity in adult dizygotic twins. Horn JM, et al. **Prog Clin Biol Res** 1981;69 Pt B:121–5
Methodologic problems in matched-pair studies using twins. Hrubec Z. **Prog Clin Biol Res** 1981;69 Pt C:1–7
Olfactory sensitivity in twins. Hubert HB, et al. **Prog Clin Biol Res** 1981;69 Pt C:97–103
Analysis of twinning rates in Japan. Inouye E, et al. **Prog Clin Biol Res** 1981;69A:21–33
Cigarette smoking, use of alcohol, and leisure-time physical activity among same-sexed adult male twins. Kaprio J, et al. **Prog Clin Biol Res** 1981;69 Pt C:37–46
Structural analysis of smoking, alcohol use, and personality factors in MZ and DZ twin pair relationships. Langinvainio H, et al. **Prog Clin Biol Res** 1981;69 Pt C:23–35
Preconceptional prediction of twin pregnancies. Lazar P, et al. **Prog Clin Biol Res** 1981;69A:175–81
Morphine and experimental pain in identical twins. Liston EH, et al. **Prog Clin Biol Res** 1981;69 Pt C:105–16
The outcome of twin pregnancies in Aberdeen. MacGillivray I, et al. **Prog Clin Biol Res** 1981;69A:203–6
The probable explanation for the falling twinning rate in Scotland. MacGillivray I. **Prog Clin Biol Res** 1981; 69A:15–9
A twin study of psychomotor performance during alcohol intoxication: early results. Martin NG, et al. **Prog Clin Biol Res** 1981;69 Pt C:89–96
Twinning rates in Virginia: secular trends and the effects of maternal age and parity. Mosteller M, et al. **Prog Clin Biol Res** 1981;69A:57–69
Malformations unique to the twinning process. Nance WE. **Prog Clin Biol Res** 1981;69A:123–33 (20 ref.)
Relevance of the marriages of twins to the causal analysis of nonrandom mating. Nance WE, et al. **Prog Clin Biol Res** 1981;69 Pt B:61–71
The changing incidence of twinning: one century of Italian statistics. Parisi P, et al. **Prog Clin Biol Res** 1981;69A:35–48
Twin similarity for usage of common drugs. Pedersen N. **Prog Clin Biol Res** 1981;69 Pt C:53–9
Multivariate behavioral genetics and development: twin studies. Plomin R, et al. **Prog Clin Biol Res** 1981;69 Pt B:25–33
Placentation effects on cognitive resemblance of adult monozygotes. Rose RJ, et al. **Prog Clin Biol Res** 1981;69 Pt B:35–41
Pilot case study on the natural history of disease in atomic-bomb-exposed twins in Hiroshima. Satow Y, et al. **Prog Clin Biol Res** 1981;69 Pt C:271–6
Twin studies on substance abuse: an overview. Schuckit MA. **Prog Clin Biol Res** 1981;69 Pt C:61–70
Results of a monozygotic cotwin control study on a treatment for myopia. Schwartz JT. **Prog Clin Biol Res** 1981;69 Pt C:249–58
Plasma steroid changes in twin pregnancies. TambyRaja RL, et al. **Prog Clin Biol Res** 1981;69A:189–95
Reproductive performance in twin sisters. Thompson B, et al. **Prog Clin Biol Res** 1981;69A:169–73
Basic survey on atomic-bomb-exposed and nonexposed twin pairs: pilot case study from a sociohistorical viewpoint. Watanabe S, et al. **Prog Clin Biol Res** 1981;69 Pt C:259–69
Personality development in identical twins. The first decade of life. Dibble ED, et al. **Psychoanal Study Child** 1981; 36:45–70
A review of Twins: a study of three pairs of identical twins by Dorothy Burlingham. Hartmann H. **Psychoanal Study Child** 1981;36:147–50
Nonbacterial nonfungal pneumonia following marrow transplantation in 100 identical twins. Applebaum FR, et al. **Transplantation** 1982 Mar;33(3):265–8
[Turner's syndrome, monozygotic twinship and psychosis or the indivisible ovum] Trapet P, et al. **Ann Med Psychol (Paris)** 1981 May;139(5):581–5 **(Fre)**
[Cerebral lesion in surviving twins (author's transl)] Choulot JJ, et al. **Arch Fr Pediatr** 1982 Feb;39(2):105–7 (Eng. Abstr.) **(Fre)**
[Successful further prolongation of immature twin pregnancy by tocolysis and re-cerclage following unavoidable delivery of the first foetus after emergency cerclage (author's transl)] Conradt A, et al. **Geburtshilfe Fraunheilkd** 1982 Feb;42(2):79–83 (Eng. Abstr.) **(Ger)**
[Simultaneous mirror image osteochondrosis dissecans in identical twins] Erban WK, et al. **ROFO** 1981 Sep; 135(3):357 **(Ger)**
[Twin pregnancy with operative removaL of one fetus with chromosomal mosaicism 46,XX/45,XO and term delivery of a healthy baby] Gigon U, et al. **Z Geburtshife Perinatol** 1981 Dec;185(6):365–6 (Eng. Abstr.) **(Ger)**
[Two discordant twin pregnancies - ultrasonographic diagnosis of anencephaly in second trimenon of gravidity (author's transl)] Intödy Z, et al. **Zentralbl Gynakol** 1981; 103(23):1467–72 (Eng. Abstr.) **(Ger)**
[Effects of pregnancy-lengthening measures on twin pregnancies—two periods of treatment (author's transl)] Seefried-Schmidt W, et al. **Zentralbl Gynakol** 1982; 104(9):533–8 (Eng. Abstr.) **(Ger)**
[Dental aspects of longitudinal studies on twins] Pasierbinska M, et al. **Fogorv Sz** 1981 Apr;74(4):119–20 (Eng. Abstr.) **(Hun)**
[A case of twin pregnancy complicated by a papyraceous fetus, diagnosed by ultrasonography] Di Pietto L, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):281–7 **(Ita)**
[2 cases of trophoblastic degeneration in twin pregnancy] Dolfin G, et al. **Minerva Ginecol** 1982 Jan-Feb; 34(1–2):63–70 **(Ita)**
[Accretion of the placenta of the first twin to the acran 1 head of the second twin] Kubicki J, et al. **Ginekol Pol** 1981 Jul;52(7):647–9 (Eng. Abstr.) **(Pol)**
[Levels of hereditary determination of the functional indices of the human cardiorespiratory system] Serebrovskaia TV, et al. **Fiziol Zh** 1982 May;28(3):267–73 (Eng. Abstr.) **(Rus)**
[Growth as an indicator of physical development in monozygotic and dizygotic twins and in single-born infants at birth and during the 1st year of life] Ivanov VP. **Pediatriia** 1981;(8):46–9 (Eng. Abstr.) **(Rus)**
[Hemolytic-uremic syndrome in a newborn infant, a monozygotic twin] Khodasevich LS, et al. **Pediatriia** 1981 May;(5):74–5 **(Rus)**
[Clinical course of viral hepatitis in monozygotic twins] Bogomolov BP, et al. **Ter Arkh** 1981;53(10):43–6 (Eng. Abstr.) **(Rus)**
[Familial systemic scleroderma: a follow-up study of concordant monozygotic twins] Guseva NG, et al. **Ter Arkh** 1981;53(7):43–7 (Eng. Abstr.) **(Rus)**
[Spinal form of Ullrich's disease in monozygotic twins] Aver'ianov IuN, et al. **Zh Nevropatol Psikhiatr** 1982; 82(3):51–4 (Eng. Abstr.) **(Rus)**
[Hemolytic disease of the newborn in monozygotic twins caused by anti-c alloantibodies of the rhesus system] Gligorović VN, et al. **Bilt Hematol Transfuz** 1980;8(1):83–9 (Eng. Abstr.) **(Scr)**
[A general program for calculating dizygosity probability in multiallelic systems (author's transl)] Valenzuela C. **Rev Med Chil** 1980 Dec;108(12):1143–6 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

A multivariate twin analysis of within-family environmental influences in infants' social responsiveness. Rowe DC, et al. **Behav Genet** 1979 Nov;9(6):519–25
Genetic factors in temperamental individuality: a longitudinal study of same-sexed twins from two months to six years of age. Torgersen AM. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):702–11
Twin research 3. Proceedings of the Third International Congress on Twin Studies. June 16–20, 1980, Jerusalem. Part B Intelligence, personality, and development. **Prog Clin Biol Res** 1981;69 Pt B:1–288
Twin resemblances in personality. Barron F. **Prog Clin Biol Res** 1981;69 Pt B:127–30
The Minnesota study of twins reared apart: project description and sample results in the developmental domain. Bouchard TJ Jr, et al. **Prog Clin Biol Res** 1981; 69 Pt B:227–33
A genetic and environmental analysis of obsessionality in normal twins. Clifford CA, et al. **Prog Clin Biol Res** 1981; 69 Pt B:163–8
MZ twins reared apart: preliminary findings of psychiatric disturbances and traits. Eckert ED, et al. **Prog Clin Biol Res** 1981;69 Pt B:179–88
Ego phenomenology in the human twin. Gedda L, et al. **Prog Clin Biol Res** 1981;69 Pt B:149–53
The human twin. Gedda L. **Prog Clin Biol Res** 1981;69 Pt B:1–7
Finnish twins reared apart: preliminary characterization of rearing environment. Langinvainio H, et al. **Prog Clin Biol Res** 1981;69 Pt B:189–98
The social development of twins in longitudinal perspective: how stable is genetic determination over age 2 to 9? Lytton H, et al. **Prog Clin Biol Res** 1981;69 Pt B:2?5–9
Assessment of temperament in twin children: a reconciliation between structured and naturalistic observations. Matheny AP Jr. **Prog Clin Biol Res** 1981;69 Pt B:279–82
Heredity and temperament: a comparison of twin data for self-report questionnaires, parental ratings, and objectively assessed behavior. Plomin R. **Prog Clin Biol Res** 1981;69 Pt B:269–78
Mortality and psychosis in twins. Reveley AM, et al. **Prog Clin Biol Res** 1981;69 Pt B:175–8
Twin-family studies of common fears and phobias. Rose RJ, et al. **Prog Clin Biol Res** 1981;69 Pt B:169–74
Rorschach test and the myokinetic psychodiagnosis of Mira y Lopez in twins. Timsit M, et al. **Prog Clin Biol Res** 1981; 69 Pt B:137–48
Genetic aspects of temperamental development: a follow-up study of twins from infancy to six years of age. Torgersen AM. **Prog Clin Biol Res** 1981;69 Pt B:261–8
Environmental childhood similarity and similarity in adult personality and neurotic development in twin pairs. Torgersen S. **Prog Clin Biol Res** 1981;69 Pt B:155–62
Twinship as handicap: fact or fiction? Watts D, et al. **Prog Clin Biol Res** 1981;69 Pt B:283–6
Synchronized developmental pathways for infant twins. Wilson RS. **Prog Clin Biol Res** 1981;69 Pt B:199–209

TWINS, CONJOINED

Dilemma in Danville. Robertson JA. **Hastings Cent Rep** 1981 Oct;11(5):5–8
Prenatal diagnosis of anterior duplication anomaly (dicephalus diauchenos) by ultrasonography. Hahmann K, et al. **J Perinat Med** 1982;10(2):93–8
Intrapartum fetal heart rate monitoring in conjoined twins: a case report. Sorosky J, et al. **J Reprod Med** 1982 Feb; 27(2):107–9
Sonographic antepartum diagnosis of conjoined twins. Its impact on obstetric management. Gore RM, et al. **JAMA** 1982 Jun 25;247(24):3351–3
Vaginal delivery of conjoined twins. Greening DG. **Med J Aust** 1981 Oct 3;2(7):356–60
North Carolina medical curiosities. The two-headed girl. Massey EW. **NC Med J** 1981 May;42(5):343
Conjoined twins in the united states, 1970–1977. Edmonds LD, et al. **Teratology** 1982 Jun;25(3):301–8

[Xipho-omphalopagi contraverti - prenatal and postnatal diagnosis] Jirouš J, et al. **Cesk Gynekol** 1982 Jun;47(5):370–4 **(Cze)**

DIAGNOSIS

Real-time ultrasound diagnosis of conjoined twins. Wood MJ, et al. **JCU** 1981 Apr;9(4):195–7

PATHOLOGY

Twinning and conjoined placentation in mice. Wan YJ, et al. **J Exp Zool** 1982 May 20;221(1):81–6

PSYCHOLOGY

Conjoined twins: psychosocial aspects. Lipsky K. **AORN J** 1982 Jan;35(1):58–61

SURGERY

A surgical field flash fire during the separation of dicephalus dipus conjoined twins. Ashcraft KE, et al. **Anesthesiology** 1981 Oct;55(4):457–8

Separating conjoined twins: a care plan. Bell AN. **AORN J** 1982 Jan;35(1):47–57

Surgical separation of conjoined twins. Votteler TP. **AORN J** 1982 Jan;35(1):35–46

The three cases of conjoined twins of Nairobi 1976–1979. Nightingale KW, et al. **East Afr Med J** 1981 Dec; 58(12):960–6

Dicephalus dipus conjoined twins: a surgical separation and review of previously reported cases. Golladay ES, et al. **J Pediatr Surg** 1982 Jun;17(3):259–64

Separation of omphalopagus twins. Kenigsberg K, et al. **J Pediatr Surg** 1982 Jun;17(3):255–8

TWINS, DIZYGOTIC see under **TWINS**

TWINS, MONOZYGOTIC see under **TWINS**

TYLENCHOIDEA see under **NEMATODA**

TYLOSINS see **LEUCOMYCINS**

TYMPANIC CAVITY see **EAR, MIDDLE**

TYMPANIC MEMBRANE

Facial paralysis complicating iontophoresis of the tympanic membrane: a case report. Beauchamp ML, et al. **Am J Otol** 1982 Jul;4(1):93–4

Effect of tympanostomy tubes on the pathogenesis of acute otitis media. Meyerhoff WL, et al. **Am J Otolaryngol** 1982 May–Jun;3(3):189–95

Persistent hiccups. Wagner MS, et al. **Ann Emerg Med** 1982 Jan;11(1):47–9

Tympanostomy tube therapy for otitis media. Cohen JI, et al. **Ear Hear** 1982 Mar–Apr;3(2):96–100 (45 ref.)

A new optical system in tympanic membrane and middle ear endoscopy. Eichner H. **Endoscopy** 1981 Sep;13(5):211–3

A hand-held otophotographic-system with automatic exposure control. Müller-Hermann E, et al. **Endoscopy** 1982 Mar;14(2):55–7

Telescopic otoscopy and photography of the tympanic membrane. Hawke M. **J Otolaryngol** 1982 Feb;11(1):35–9

[Retromyringeal cholesteatoma] Fajstavr J, et al. **Cesk Otolaryngol** 1982 Apr;31(2):93–7 (Eng. Abstr.) **(Cze)**

[The influence of transtympanal gas insufflation on the tympanogram. Studies in cases of retracted or adhesive tympanic membranes and in middle ear models (author's transl)] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):414–7 (Eng. Abstr.) **(Ger)**

[Sequential tubo-tympanic scintigraphy and tubal manometry: comparative study] Vallés Varela H, et al. **An Otorrinolaringol Ibero Am** 1981;8(6):451–65 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Assessment of tympanometry abnormalities of the tympanic membrane. Holt GR, et al. **Am J Otolaryngol** 1982 Mar–Apr;3(2):112–6

ANATOMY & HISTOLOGY

Spatial occupancy of vessels and facial nerve in the facial canal. Ogawa A, et al. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):14–9

Tympanic membrane retraction and middle-ear pressure. Cable HR, et al. **J Laryngol Otol** 1982 Feb;96(2):113–7

A critical review of experimental observations on ear-drum structure and function. Funnell WR, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(4):181–205 (127 ref.)

INJURIES

Volume measurement of middle ear and mastoid air cell system with impedance audiometry on patients with eardrum perforations. Lindeman P, et al. **Am J Otol** 1982 Jul;4(1):46–51

Early repair of traumatic perforations of the tympanic membrane in children. Winerman I, et al. **Int J Pediatr Otorhinolaryngol** 1982 Mar;4(1):23–7

Traumatic rupture of the eardrum with round window fistula. Wurtele P. **J Otolaryngol** 1981 Aug;10(4):309–12

[Acoustic rupture of the tympanic membrane at a stroke of lightning] Drechsler B. **Ugeskr Laeger** 1981 Jun 8; 143(24):1535 (Eng. Abstr.) **(Dan)**

[Treatment of traumatic ruptures of the eardrum] Lučić M. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):100–2 **(Scr)**

INNERVATION

[Use of morphological studies of the tympanic ganglion and tympanic membrane in transtympanic neurectomy] Kulczyński B. **Otolaryngol Pol** 1981;35(3):293–5 **(Pol)**

PATHOLOGY

Atelectasis, retraction pockets and cholesteatoma. Sadé J, et al. **Acta Otolaryngol (Stockh)** 1981 Nov–Dec; 92(5–6):501–12

Tympanic membrane perforation descriptors and hearing levels in otitis media. Prasansuk S, et al. **Audiology** 1982; 21(1):43–51

Tympanic membrane homografts. Histological findings in a human case. Zambonin Zallone A, et al. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr; 44(2):81–9

[Tympanic epithelialization of autografts and preserved implants] Boedts D. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct;102(9–10):367–71 (Eng. Abstr.) **(Fre)**

[Postoperative epitympanic retraction in cases of cholesteatomas (author's transl)] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):654–7 (Eng. Abstr.) **(Ger)**

[Polaroid photography of the tympanic membrane (author's transl)] Pau HW, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov;60(11):597–8 **(Ger)**

PHYSIOLOGY

Effect of flight on the Eustachian tube function and the tympanic membrane system--a follow-up study. Groth P, et al. **Aviat Space Environ Med** 1982 Apr;53(4):360–4

The effect of occluded ear impedances on the eardrum SPL produced by hearing aids. Gilman S, et al. **J Acoust Soc Am** 1981 Aug;70(2):370–86

Tympanic membrane temperature during experimental otitis media due to Streptococcus pneumoniae in chinchillas. Fisch RO, et al. **Lab Anim Sci** 1982 Jun;32(3):278–9

[Experimental study of the vibration analysis of tympanic membrane by holographic interferometry (author's transl)] Kimura Y. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Aug; 84(8):880–9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

The influence of lidocaine and iontophoresis on the pain threshold of the human eardrum. Johannessen J, et al. **Arch Otolaryngol** 1982 Apr;108(4):201–3

SURGERY

Acute otitis media. A prospective clinical study of myringotomy and antimicrobial treatment. Qvarnberg Y. **Acta Otolaryngol [Suppl] (Stockh)** 1981;375:1–157

Therapy of acute otitis media [letter] **Lancet** 1981 Dec 12; 2(8259):1349–50

Tympanostomy tubes [editorial] **Lancet** 1982 May 15; 1(8281):1107–8

Therapy of acute otitis media: myringotomy, antibiotics, or neither? A double-blind study in children. van Buchem FL, et al. **Lancet** 1981 Oct 24;2(8252):883–7

CO2 laser myringotomy. Goode RL. **Laryngoscope** 1982 Apr; 92(4):420–3

Atelectatic tympanic membrane reversal by nitrous oxide supplemented general anesthesia and polyethylene ventilation tube insertion. A preliminary report. Graham MD, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1469–71

Experience with tympanoplasty for atelectatic ears. Paparella MM, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1472–7

Exploratory tympanotomy revisited. Paparella MM, et al. **Laryngoscope** 1982 May;92(5):531–4

Reflexogenic vertigo treated by tensor tympani transection. Epley JM. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):849–53

Tympanic membrane debridement with the CO2 laser. Epley JM. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):898–902

[Rupture of the round window membrane] Nuutinen J, et al. **Duodecim** 1982;98(1):38–43 (Eng. Abstr.) **(Fin)**

[Closure of tympanic perforations with low-energy He-Ne-laser irradiation] Ribári O, et al. **Acta Chir Acad Sci Hung** 1980;21(3):229–38 (Eng. Abstr.) **(Ger)**

TRANSPLANTATION

Experiences with the homograft tympanic membrane. Doyle PJ, et al. **J Otolaryngol** 1981 Oct;10(5):333–7

[The use of tympano-ossicular homografts in tympanoplastic surgery] Vasile C. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep; 26(3):189–97 (Eng. Abstr.) **(Rum)**

ULTRASTRUCTURE

The ultrastructure of tympanosclerosis. The source of the matrix vesicles and the pattern of calcospherules. Friedman I, et al. **Am J Otol** 1981 Oct;3(2):144–9

An ultrastructural study of the calcification process in tympanosclerotic tissues. Bertossi M, et al. **J Submicrosc Cytol** 1981 Apr;13(2):283–9

TYMPANOMETRY see **ACOUSTIC IMPEDANCE TESTS**

TYMPANOPLASTY

Tympanoplasty and recurrent disease: sniff-induced high negative pressure in the middle ear space. Magnuson B. **Am J Otolaryngol** 1981 Nov;2(4):277–83

Relationship between the shape of the reconstructed tympanic cavity and the postoperative auditory function. Dziewiszek S. **Audiology** 1982;21(1):52–4

Tympanoplasty. Chang SK. **Ear Nose Throat J** 1981 Dec; 60(12):557–64

Experience with tympanoplasty for atelectatic ears. Paparella MM, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1472–7

Tympanic membrane homografts. Histological findings in a human case. Zambonin Zallone A, et al. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr; 44(2):81–9

Human tympanic membrane homograft. Abedi E, et al. **South Med J** 1982 Jul;75(7):805–6

Assessment of postoperative hearing in 528 middle ear and mastoid surgery cases in Tokai University Hospital. Sakai M, et al. **Tokai J Exp Clin Med** 1982 Mar;7(2):251–64

[Biocompatible ossicle prosthesis of Proplast and Plastipore. Comparative study in tympanoplasties apropos of 200 cases] Portmann M, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982; 103(1):9–13 (Eng. Abstr.) **(Fre)**

[From tissue labyrinthitis and osteitis of the bony capsule of the inner ear to osteoplastic epitympanotomy. Part III (author's transl)] Wullstein HL. **HNO** 1981 Oct; 29(10):315–20 (Eng. Abstr.) **(Ger)**

[Tympanoplasty in frequently exacerbated mesotympanitis] Tsukerberg LI, et al. **Vestn Otorinolaringol** 1982 Jan–Feb; (1):10–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Posterior wall atrophy. A late silent complication of the combined approach tympanoplasty operation. Weinberg J, et al. **Am J Otol** 1982 Apr;3(4):315–7

The anterior tympanomeatal angle: the aetiology, surgery and avoidance of blunting and annular cholesteatoma. Plester D, et al. **Clin Otolaryngol** 1981 Oct;6(5):323–8

Homograft septal cartilage for attic support in intact canal wall tympanomastoidectomy and tympanoplasty. Pappas JJ, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1457–62

[Taste disorders following ear surgery (author's transl)] Alvarez S. **HNO** 1981 Oct;29(10):328–30 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Principles of classification of tympanoplasty] Ataman T. **Acta Otorhinolaryngol Belg** 1981;35(3–4):358–65 **(Fre)**

[Reconsideration of the principles of classification of tympanoplasties] Ataman T. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):13–9 (Eng. Abstr.) **(Rum)**

INSTRUMENTATION

Ceramic implants in otologic surgery. Plester D, et al. **Am J Otol** 1981 Oct;3(2):104–8

Tissue reactions to glass ceramics in the middle ear. Reck R. **Clin Otolaryngol** 1981 Feb;6(1):63–5

[Modified prosthesis for tympanoplasty] Preobrazhenskiĭ NA, et al. **Vestn Otorinolaringol** 1982 Jan–Feb;(1):64–7 **(Rus)**

METHODS

Ossicular chain reconstruction with plastipore prostheses. Sanna M, et al. **Am J Otol** 1981 Jan;2(3):225–9

Late changes in hearing results after mastoid obliteration with tympanoplasty. Ojala K, et al. **Arch Otolaryngol** 1982 Sep; 108(9):569–73

Tympanoplasty. Nasal cartilage homografts. Ramfrez-Camacho RA. **Arch Otolaryngol** 1981 Oct; 107(10):608–9

Late hearing results after paraffinplasty or silastic sheeting. Ojala K, et al. **Arch Otorhinolaryngol** 1981;233(3):251–60

Long-term histological fate of cartilage in ossicular reconstruction. Steinbach E, et al. **J Laryngol Otol** 1981 Oct;95(10):1031–9

Experiences with the homograft tympanic membrane. Doyle PJ, et al. **J Otolaryngol** 1981 Oct;10(5):333–7

House-Plester tympanoplasty. McCullough DW. **J Otolaryngol** 1981 Aug;10(4):325–7

Cholesteatoma in children. Glasscock ME 3d, et al. **Laryngoscope** 1981 Oct;91(10):1743–53

Postauricular undersurface tympanic membrane grafting: a follow-up report. Glasscock ME 3d, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):718–27

Aeration of the middle ear and mastoid in tympanoplasty. Wehrs RE. **Laryngoscope** 1981 Sep;91(9 Pt 1):1463–8

Use of the Williams microclip in various aspects of tymanoplastic surgery. Weider DJ. **Laryngoscope** 1981 Dec; 91(12):2106–25

[From labyrinthitis of the soft part and osteitis of the bony inner ear to osteoplastic epitympanotomy. Part II (author's transl)] Wullstein HL. **HNO** 1981 Aug;29(8):255–62 **(Ger)**

[Postoperative epitympanic retraction in cases of cholesteatomas (author's transl)] Koch U, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):654–7 (Eng. Abstr.) **(Ger)**

[Indications for silastic and gelation film in tympanoplasty. Analysis of 624 cases using EDP (author's transl)] Schöndorf J, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct; 60(10):538–41 (Eng. Abstr.) **(Ger)**

[Revision surgery of the middle ear—theoretical consideration and clinical experience (author's transl)] Tachibana M, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Jan 20;85(1):46–54 (Eng. Abstr.) **(Jpn)**

[The use of tympano-ossicular homografts in tympanoplastic surgery] Vasile C. **Rev Chir [Otorinolaringol]** 1981 Jul–Sep; 26(3):189–97 (Eng. Abstr.) **(Rum)**

[Total plastic repair of the sound conduction chain] Gusakov AD. **Vestn Otorinolaringol** 1982 Jan–Feb;(1):13–6 (Eng. Abstr.) **(Rus)**

[Our experience with tympanoplasty in children] Cvetković S. **Srp Arh Celok Lek** 1982 Nov;109(11):1511–8 **(Scc)**

[A contribution to the surgical restoration of the middle ear following radical trepanation of the temporal bone (author's transl)] Sprem N. **Lijec Vjesn** 1982 Feb;104(2):77–8 (Eng. Abstr.) **(Scr)**

[The use of Plastipor in tympanoplasty (author's transl)] Sprem N. **Lijec Vjesn** 1980 Jul–Aug;102(7–8):411–3 (Eng. Abstr.) **(Scr)**

[Functional results in tympanoplasties] Gavilán C, et al. **An Otorrinolaringol Ibero Am** 1981;8(5):417–35 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

[Psychogenic hearing disorder. Evidence of the importance of cooperation between the physician and the pedagogue] Bonner–Leonardy B. **HNO** 1981 Dec;29(12):422 **(Ger)**

REHABILITATION

[Rehabilitation of the columellar effect] Peytral C, et al. **J Fr Otorhinolaryngol** 1982 Mar;31(3):211–6 (Eng. Abstr.) **(Fre)**

TRENDS

A decade of tympanoplasty: progress or regress? Austin DF. **Laryngoscope** 1982 May;92(5):527–30

TYMPANUM see **EAR, MIDDLE**

TYPHOID

Pelvic infection caused by Salmonella typhi. Two unusual cases. Duncan ME, et al. **Fast Afr Med J** 1981 Sep; 58(9):703–7

Typhoid fever. Melo JC. **J Ky Med Assoc** 1981 Dec; 79(12):791–3

[Pneumoperitonitis caused by Salmonella typhi] Bor PP, et al. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1189–91 (Eng. Abstr.) **(Dut)**

[Encephalitic manifestations of typhoid fever in children] Jorio Benkhraba M, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):693–701 (Eng. Abstr.) **(Fre)**

BLOOD

Prekallikrein (Fletcher factor) deficiency in typhoid fever. Beard ME, et al. **Arch Intern Med** 1981 Nov;141(12):1701–3

CHEMICALLY INDUCED

Enteric fever in which cimetidine might have played an important role [letter] Tungsanga K, et al. **J Med Assoc Thai** 1981 Jul;64(7):361

COMPLICATIONS

Cotard's syndrome and the psychiatric manifestations of typhoid fever. Campbell S, et al. **Am J Psychiatry** 1981 Oct;138(10):1377–8

Azoospermia caused by typhoid fever. A case report. Koentjoro–Soehadi L. **Andrologia** 1982 Jan–Feb;14(1):31–2, 34

Typhoid fever and cochleovestibular lesions. Escajadillo JR, et al. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):220–4

Typhoid glomerulitis. Sankaran K, et al. **J Assoc Physicians India** 1981 Oct;29(10):835–6

Acute reversible cerebellar syndrome in enteric fever. Ukadgaonkar NG, et al. **J Assoc Physicians India** 1981 Sep; 29(9):781–2

Typhoid meningitis and primary peritonitis : a case report. Wanvarie S, et al. **J Med Assoc Thai** 1981 Oct;64(10):516–8

Typhoid perforation of the ileum in children. Lizarralde E. **J Pediatr Surg** 1981 Dec;16(6):1012–6

A case of typhoid fever complicated by a severe bleeding syndrome due to deficiency of the prothrombin group of coagulation factors. Greig HB, et al. **J Trop Med Hyg** 1981 Dec;84(6):253–7

Typhoid perforation: results of surgical treatment. Khan AS, et al. **JPMA** 1982 Feb;32(2):46–7

Chronic osteomyelitis of the thoracic spine due to Salmonella typhi: a case report. Carvell JE, et al. **Spine** 1981 Sep–Oct; 6(5):527–30

[Typhoid fever in adult patients in Ouagadougou (analytic study of 124 cases) (author's transl)] Gendron Y, et al. **Med Trop (Mars)** 1981 Nov–Dec;41(6):625–31 (Eng. Abstr.) **(Fre)**

[Cerebral thrombophlebitis disclosing typhoid fever (letter)] Edan G, et al. **Nouv Presse Med** 1981 Nov 28;10(43):3570 **(Fre)**

[Perforation of the small intestine in typhoid with fatal outcome] Nagy R, et al. **Orv Hetil** 1981 Dec 27; 122(52):3223–4 **(Hun)**

[A case of typhoid fever in a visitor from India with glucose-6-phosphate dehydrogenase deficiency. Remarkable conjugated hyperbilirubinemia probably induced by an analgesic drug (author's transl)] Kunimoto M, et al. **Nippon Naika Gakkai Zasshi** 1981 Nov 10; 70(11):1562–6 **(Jpn)**

[Panperitonitis of typhoid perforation of the ileum—a case report (author's transl)] Morita H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1107–12 **(Jpn)**

[Life-threatening acute gastrointestinal hemorrhage in the course of typhoid fever] Maliński B, et al. **Pol Tyg Lek** 1982 Mar 29;37(3):91–2 (Eng. Abstr.) **(Pol)**

[Digestive complications of typhoid fever] Alarcón T, et al. **Rev Chil Pediatr** 1981 Sep–Oct;52(5):378–81 (Eng. Abstr.) **(Spa)**

[Typhoid fever. Complications in 782 hospitalized children] Espinosa LM, et al. **Rev Chil Pediatr** 1981 Mar–Apr; 52(2):113–7 (Eng. Abstr.) **(Spa)**

[Typhic cholecystitis] Pérez García M, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):164–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Hepatic porphyrias simulating typhoidal tularemia [letter] Loftin EB 3d. **Am Fam Physician** 1982 Jul;26(1):45, 48

Typhoid fever: clinical analysis of 50 Ethiopian patients. Abraham G, et al. **Ethiop Med J** 1981 Apr;19(2):41–6

Typhoid fever presenting as cerebellar ataxia. Siraslewalla R, et al. **J Assoc Physicians India** 1981 Mar;29(3):227–8

Slide coagglutination for Salmonella typhi antigens in broths inoculated with feces from typhoid fever patients. Rockhill RC, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec;12(4):528–32

Diagnostic value of the Widal test. Abraham G, et al. **Trop Geogr Med** 1981 Dec;33(4):329–33

The value of a single Widal test in the diagnosis of acute typhoid fever. Shehabi AA. **Trop Geogr Med** 1981 Jun; 33(2):113–6

[Clinical and biochemical findings in typhoid fever (author's transl)] Yamaguchi K, et al. **Kansenshogaku Zasshi** 1981 Aug;55(8):566–75 (Eng. Abstr.) **(Jpn)**

[Typhoid fever in children under 2 years of age] Palacios Malmaceda PG, et al. **Bol Med Hosp Infant Mex** 1981 May–Jun;38(3):473–83 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Management of enteric fever in children. Kamat SA. **Indian J Pediatr** 1981 Mar–Apr;48(391):203–9

The combination of pivmecillinam and pivampicillin compared to co-trimoxazole in the treatment of enteric fever. Tanphaichitra D, et al. **Infection** 1982;10(2):81–4

Randomised, comparative trial of mecillinam, mecillinam/ampicillin and chloramphenicol in the treatment of enteric fever. Limson BM, et al. **J Antimicrob Chemother** 1982 May;9(5):405–10

Pivmecillinam and relapse of typhoid fever. Jones DA, et al. **J Infect Dis** 1982 May;145(5):773

Response of typhoid fever caused by chloramphenicol-susceptible and chloramphenicol-resistant strains of Salmonella typhi to treatment with trimethoprim-sulfamethoxazole. Butler T, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):551–61

Trimethoprim-sulphamethoxazole in the treatment of enteric fever in the Sudan. Mukhtar ED, et al. **Trans R Soc Trop Med Hyg** 1981;75(6):771–3

[Intestinal nonabsorption of thiamphenicol. Unusual cause of failure in the treatment of typhoid fever (letter)] Chardon H, et al. **Nouv Presse Med** 1982 Jan 23;11(3):205 **(Fre)**

[Effect of antibacterial therapy on NBT test indices in dysentery and typhoid fever] Bashirova DK, et al. **Sov Med** 1982;(2):63–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Transient, acquired glucose-6-phosphate dehydrogenase deficiency in Thai children with typhoid fever. Tanphaichitr VS, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):105–9

ETIOLOGY

Bottled beverages and typhoid fever: the Mexican epidemic of 1972–73. Gonzalez-Cortes A, et al. **Am J Public Health** 1982 Aug;72(8):844–5

Duodenal intubation as a source of typhoid fever. Maudgal DP, et al. **Dig Dis Sci** 1982 Jun;27(6):549–52

HISTORY

The rise and fall of typhomalarial fever: I. Origins. Smith DC. **J Hist Med Allied Sci** 1982 Apr;37(2):182–220

Exemplary disease: the typhoid pattern. Stevenson LG. **J Hist Med Allied Sci** 1982 Apr;37(2):159–81

Typhoid fever, the typhus-like disease. Historical peerspective. Cunha BA. **NY State J Med** 1982 Mar; 82(3):321–4

[Characteristics of the clinical course of typhoid fever in the last 20 years (1959–1978)] Zakharova LV. **Klin Med (Mosk)** 1981;59(7):98–103 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Typhoid hepatitis with immunoglobulins and complement deposits in bile canaliculi. Dan M, et al. **Arch Intern Med** 1982 Jan;142(1):148–9

Antibody response to the lipopolysaccharide and protein antigens of Salmonella typhi during typhoid infection. II. Measurement of intestinal antibodies by radioimmunoassay. Chau PY, et al. **Clin Exp Immunol** 1981 Dec;46(3):515–20

Studies of cellular and humoral immunity in typhoid fever and TAB vaccinated subjects. Dham SK, et al. **Clin Exp Immunol** 1982 May;48(2):389–95

Immunological studies in typhoid fever. II. Cell-mediated immune responses and lymphocyte subpopulations in patients with typhoid fever. Rajagopalan P, et al. **Clin Exp Immunol** 1982 Feb;47(2):269–74

Antibody response to the lipopolysaccharide and protein antigens of Salmonella typhi during typhoid infection. I. Measurement of serum antibodies by radioimmunoassay. Tsang RS, et al. **Clin Exp Immunol** 1981 Dec;46(3):508–14

Cross-protection against fowl typhoid. II. Hypersensitivity reactions and quantitative estimation of the elimination of the challenge organisms. Padmanaban VD, et al. **Dev Comp Immunol** 1981 Summer;5(3):475–81

Immunological study of typhoid fever in man. II Cell-mediated immune response. Sangpetchsong V, et al. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):357–63

Cell mediated and humoral immune responses in human typhoid fever. Thevanesam V, et al. **Trop Geogr Med** 1982 Mar;34(1):13–7

[Immunity in typhoid fever] Meléndez M, et al. **Bol Of Sanit Panam** 1982 Jan;92(1):1–12 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

[Bone marrow culture in the diagnosis of typhoid fever] Pietersz RN, et al. **Ned Tijdschr Geneeskd** 1982 Jun 5; 126(23):1041–3 (Eng. Abstr.) **(Dut)**

[Typho-paratyphoid fever at the military teaching hospital Mohammed V. Sensitivity to antibiotics and lysotyping of S. typhi strains isolated between 1976 and 1978] Baaj AJ, et al. **Maroc Med** 1981 Mar;3(1):547–53 (Eng. Abstr.) **(Fre)**

[Formation and persistence of L-variants of Salmonella typhi in experimental typhoid and in carriers] Levina GA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):27–30 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Typhoid enteric perforation. Chouhan MK, et al. **Br J Surg** 1982 Mar;69(3):173–5

Investigation of a typhoid outbreak on Dominica. Fortune RA. **Bull Pan Am Health Organ** 1981;15(4):311–7

A review of reported cases of typhoid fever and documented carriers in Arkansas. White PC Jr, et al. **J Arkansas Med Soc** 1982 Jun;79(1):47–9

Salmonella infections and hemoglobin S. Gendrel D, et al. **J Pediatr** 1982 Jul;101(1):68–9

Detection of carriers of typhoid bacilli by sewerage-tracing surveillance in Matsuyama City. Shinohara N, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):385–92

Typhoid fever—San Antonio, Texas, 1981. **MMWR** 1981 Nov 6;30(43):540, 545–6

Typhoid fever in the Northern Transvaal national states. An approach to an epidemiological quandary. Somerville PC, et al. **S Afr Med J** 1981 Sep 26;60(13):491–5

[Disease control of typhoid and paratyphoid: report of occurrence in 1976 and bacteriophage typing of isolated bacteria] **Kansenshogaku Zasshi** 1980 Oct;54(10):550–9 **(Jpn)**

[Disease control of typhoid and paratyphoid: report of occurrence in 1977 and bacteriophage typing of isolated bacteria] **Kansenshogaku Zasshi** 1980 Oct;54(10):560–6 **(Jpn)**

[Typhoid and paratyphoid fevers] Gonera E. **Przegl Epidemiol** 1981;35(1):83–8 **(Pol)**

[Clinicoepidemiological characteristics of modern typhoid] Filimonov VB, et al. **Voen Med Zh** 1981 Oct;(10):42–3 **(Rus)**

[Dynamics of typhoid-paratyphoid infection morbidity in Chimkent Province] Altynbekov MA. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):35–8 (Eng. Abstr.) **(Rus)**

[Epidemiology study of typhoid fever in the province of Murcia. 1948–1975] Ramos Garcia E, et al. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug; 53(7–8):1043–79 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[Clinical differences in typhoid fever caused by Salmonella typhi chloramphenicol-sensitive sensitive and resistant] Peredo López Velarde MA, et al. **Rev Latinoam Microbiol** 1980 Apr–Jun;22(2):59–63 (Eng.

Abstr.) (Spa)

PHYSIOPATHOLOGY

[The physiopathology of typhoid fever] Bricaire F, et al. **Ann Soc Belg Med Trop** 1981 Sep;61(3):341–7 (Fre)

[State of the digestive and absorptive functions in typhoid] Zakharova LV. **Sov Med** 1981;(8):43–7 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

A study of humoral and cell-mediated immune response following typhoid vaccination in human volunteers. Rajagopalan P, et al. **Clin Exp Immunol** 1982 Feb; 47(2):275–82

Evaluation of oral vaccination against mouse-typhoid in a new animal model. Werner GT, et al. **Experientia** 1981; 37(8):900–1

A controlled field trial of live Salmonella typhi strain Ty 21a oral vaccine against typhoid: three-year results. Wahdan MH, et al. **J Infect Dis** 1982 Mar;145(3):292–5

A new oral vaccine against typhoid fever. Woodward TE, et al. **J Infect Dis** 1982 Mar;145(3):289–91

New typhoid fever vaccine a hit on international scene [news] Macek C. **JAMA** 1982 Jul 9;248(2):162–3

Who introduced typhoid vaccination: Almroth Write or Richard Pfeiffer? Gröschel DH, et al. **Rev Infect Dis** 1981 Nov-Dec;3(6):1251–4

Salmonella and Shigella infections in Switzerland, with special reference to typhoid vaccination for travellers. Steffen R, et al. **Scand J Infect Dis** 1981;13(2):121–7

[Typhoid fever and anti-typhoid vaccination. In memory of S. Morones-Alba and A. Celis-Salazar] Carrada Bravo T. **Salud Publica Mex** 1981 Mar-Apr;23(2):103–58 (Eng. Abstr.) (Spa)

SURGERY

[Treatment of chronic biliary typhoid and paratyphoid carriers--results on 78 treated cases obtained in 16 years (1963 to 1978) (author's transl)] Hiraishi K, et al. **Kansenshogaku Zasshi** 1982 Mar;56(3):207–17 (Eng. Abstr.) (Jpn)

[Surgical complications in typhoid today] Podlevskiĭ AF, et al. **Vestn Khir** 1982 May;128(5):31–5 (Rus)

THERAPY

[Treatment of chronic typhoid carriers] Kostić A, et al. **Srp Arh Celok Lek** 1980 Nov;108(11):1167–76 (Scc)

URINE

Enzyme-linked immunosorbent assay for detection of Salmonella typhi Vi antigen in urine from typhoid patients. Barrett TJ, et al. **J Clin Microbiol** 1982 Feb;15(2):235–7

TYPHOID-PARATYPHOID VACCINES

Typhoid vaccine, for whom? [letter] Steffen R. **Lancet** 1982 Mar 13;1(8272):615–6

[Treatment of chronic typhoid carriers] Kostić A, et al. **Srp Arh Celok Lek** 1980 Nov;108(11):1167–76 (Scc)

[Typhoid fever and anti-typhoid vaccination. In memory of S. Morones-Alba and A. Celis-Salazar] Carrada Bravo T. **Salud Publica Mex** 1981 Mar-Apr;23(2):103–58 (Eng. Abstr.) (Spa)

ADMINISTRATION & DOSAGE

Intradermal versus subcutaneous typhoid vaccination. Dimache G, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr-Jun;40(2):143–8

A controlled field trial of live Salmonella typhi strain Ty 21a oral vaccine against typhoid: three-year results. Wahdan MH, et al. **J Infect Dis** 1982 Mar;145(3):292–5

A new oral vaccine against typhoid fever. Woodward TE, et al. **J Infect Dis** 1982 Mar;145(3):289–91

HISTORY

Who introduced typhoid vaccination: Almroth Write or Richard Pfeiffer? Gröschel DH, et al. **Rev Infect Dis** 1981 Nov-Dec;3(6):1251–4

IMMUNOLOGY

A comparative study of gastric mucin and commercial baker's yeast as virulence-enhancing agents in the typhoid mouse protection test. Joó I, et al. **J Biol Stand** 1982 Jan; 10(1):17–24

ISOLATION & PURIFICATION

[Production of typhoid vaccine by fermentation] Medina A, et al. **Salud Publica Mex** 1981 Nov-Dec;23(6):657–64 (Spa)

[Factors affecting potency during the production of typhoid vaccine] Porras Lanzagorta M, et al. **Salud Publica Mex** 1981 Nov-Dec;23(6):633–40 (Eng. Abstr.) (Spa)

[Production of typhoid vaccine by the Zagreb method] Sańchez PE, et al. **Salud Publica Mex** 1981 Nov-Dec; 23(6):641–7 (Eng. Abstr.) (Spa)

PHARMACODYNAMICS

[Characteristics of mouse lymph node reaction to vaccine administration after nonuniform irradiation] Pozharisskaia TD, et al. **Radiobiologiia** 1981;21(4):537–43 (Eng. Abstr.) (Rus)

STANDARDS

[Introduction to the thyroid vaccine session] **Salud Publica Mex** 1981 Nov-Dec;23(6):631–2 (Spa)

[Lyophilization of phenolized typhoid vaccine] Ruiz Puente J, et al. **Salud Publica Mex** 1981 Nov-Dec;23(6):649–56 (Eng. Abstr.) (Spa)

THERAPEUTIC USE

Evaluation of oral vaccination against mouse-typhoid in a new animal model. Werner GT, et al. **Experientia** 1981; 37(8):900–1

New typhoid fever vaccine a hit on international scene [news] Macek C. **JAMA** 1982 Jul 9;248(2):162–3

TYPHUS see TYPHUS, EPIDEMIC LOUSE-BORNE

TYPHUS, ENDEMIC FLEA-BORNE

DIAGNOSIS

Isolation of species-specific protein antigens of Rickettsia typhi and Rickettsia prowazekii for immunodiagnosis and immunoprophylaxis. Dasch GA. **J Clin Microbiol** 1981 Sep; 14(3):333–41

[Rickettsiosis. Presentation of 13 cases] García Curiel A, et al. **Rev Clin Esp** 1982 Jan 31;164(2):119–22 (Eng. Abstr.) (Spa)

IMMUNOLOGY

Antibodies to typhus in Eastern Nepal. Brown GW, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):586–7

OCCURRENCE

Murine typhus in Kuwait in 1978. Al-Awadi AR, et al. **Bull WHO** 1982;60(2):283–9

PARASITOLOGY

A survey of scrub and murine typhus in the Ancol section of Jakarta, Indonesia. Dennis DT, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):574–80

TYPHUS, EPIDEMIC LOUSE-BORNE

DIAGNOSIS

Isolation of species-specific protein antigens of Rickettsia typhi and Rickettsia prowazekii for immunodiagnosis and immunoprophylaxis. Dasch GA. **J Clin Microbiol** 1981 Sep; 14(3):333–41

Suspected Rocky Mountain spotted fever in the winter--epidemic typhus? [letter] Kaplan JE, et al. **N Engl J Med** 1981 Dec 31;305(27):1648

[Rickettsial typhus – a highly dangerous contagious disease?] Aho K, et al. **Duodecim** 1981;97(11):737–9 (Fin)

[Phospholipid antigen of Rickettsia prowazekii, its serologic activity] Timasheva OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):112–3 (Rus)

HISTORY

George Mellis Douglas: typhus and tragedy. Swinton WE. **Can Med Assoc J** 1981 Dec 1;125(11):1284–6

IMMUNOLOGY

[Investigation on serology of endemic typhus in certain parts of Hebei Province (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Mar;16(2):93–5 (Chi)

[Characteristics of the antitoxic immunity in persons inoculated with chemical typhus vaccine] Nikol'skaia VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):86–9 (Eng. Abstr.) (Rus)

[Macrophage migration inhibition test in guinea pigs infected with Rickettsia prowazekii] Vovk OA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):78–84 (Eng. Abstr.) (Rus)

OCCURRENCE

Brill-Zinsser disease in North America. Reilly PJ, et al. **West J Med** 1980 Oct;133(4):338–40

PREVENTION & CONTROL

[Epidemic typhus at the stage of its eradication] Tokarevich KN. **Tr Inst Pastera** 1980;55:99–104 (Rus)

[Results of a study to determine the optimal vaccination dose and schedule for primary immunization with chemical typhus vaccine] Imamaliev OG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):88–91 (Eng. Abstr.) (Rus)

TYPHUS, MURINE see TYPHUS, ENDEMIC

FLEA-BORNE

TYPOLOGY see SOMATOTYPES

TYRAMINE

ADVERSE EFFECTS

Will amitriptyline prevent the 'cheese' reaction of monoamine-oxidase inhibitors? Pare CM, et al. **Lancet** 1982 Jul 24;2(8291):183–6

ANALOGS & DERIVATIVES

N-chloroacetyl-[125I]iodotyramine: an alkylating agent with high specific activity. Holowka D. **Anal Biochem** 1981 Nov 1;117(2):390–7

Solid-phase synthesis of fluorescent heparin. Radoff S, et al. **Anal Biochem** 1982 Mar 1;120(2):373–8

The Pharmacology of the hypotensive action of N,N-dimethyl para-methoxyphenylethylamine in rats. Shalita B, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr;32(1):53–69

ANTAGONISTS & INHIBITORS

Tyramine antagonistic properties of AGN 1135, an irreversible inhibitor of monoamine oxidase type B. Finberg JP, et al. **Br J Pharmacol** 1981 May;73(1):65–74

BIOSYNTHESIS

Biosynthesis of some urinary trace amines in the rat and the human. Boulton AA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2) 295–310

METABOLISM

Concentration dependence of the oxidation of tyramine by the two forms of rat liver mitochondrial monoamine oxidase. Fowler CJ, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3329–32

Mechanisms of accumulation of tyramine, metaraminol, and isoproterenol in isolated chromaffin granules and ghosts. Johnson RG, et al. **Biochem Pharmacol** 1982 Mar 1; 31(5):815–23

Deuterium isotope effects on the enzymatic oxidative deamination of trace amines. Yu PH, et al. **Biochem Pharmacol** 1981 Nov 15;30(22):3089–94

The effect of gamma-hydroxybutyrate on mouse striatal tyramine, dopamine and homovanillic acid. Juorio AV. **Br J Pharmacol** 1982 Mar;75(3):447–50

The effect of some precursor amino acids and enzyme inhibitors on the mouse striatal concentration of tyramines and homovanillic acid. Juorio AV, et al. **J Neurochem** 1982 Sep;39(3):859–63

A gas chromatographic procedure for quantification of para-tyramine in rat brain. Baker GB, et al. **J Neurosci Methods** 1982 Jan;5(1–2):181–8

Possible role of octopamine and tyramine in the antihypertensive and antidepressant effects of tyrosine. Edwards DJ. **Life Sci** 1982 Apr 26;30(17):1427–34

PHARMACODYNAMICS

Effects of caroxazone, a reversible monoamine oxidase inhibitor, on the pressor response to oral tyramine in man. Martini A, et al. **Br J Clin Pharmacol** 1981 Jun;11(6):611–5

Effects of caroxazone, a reversible monoamine oxidase inhibitor, on the pressor response to intravenous tyramine in man. Martini A, et al. **Br J Clin Pharmacol** 1981 Jun; 11(6):605–10

A possible mechanism of the tyramine-induced head-twitch response. Orikasa S, et al. **Eur J Pharmacol** 1982 May 21; 80(2-3):163–9

Analysis of the effects of noradrenaline and tyramine in isolated middle cerebral and femoral arteries of cat. Marin J, et al. **Gen Pharmacol** 1982;13(2):125–32

Tyramine-induced contractions in the rabbit ear and basilar arteries. Lee TJ, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):965–76

Responses of isolated dog coronary arteries to tyramine. Hayashi S, et al. **Jpn J Pharmacol** 1982 Feb;32(1):47–54

Effects of tyramine on blood pressure and plasma catecholamines in normal and hypertensive subjects. Bianchetti MG, et al. **Klin Wochenschr** 1982 May 3; 60(9):465–70 (34 ref.)

A kinetic study of the release of noradrenaline by tyramine. Brandão F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Dec; 318(2):83–7

Development of central control of norepinephrine turnover and release in the rat heart: responses to tyramine, 2-deoxyglucose and hydralazine. Seidler FJ, et al. **Neuroscience** 1981;6(10):2081–6

Interactions of trace amines with dopamine in rat striatum. Baker GB, et al. **Prog Neuropsychopharmacol** 1981; 5(5–6):577–80

[Effects of parasympathetic drugs on head-twitch response induced by tyramine (author's transl)] Orikasa S, et al. **Nippon Yakurigaku Zasshi** 1981 May;77(5):477–82 (Eng. Abstr.) (Jpn)

PHYSIOLOGY

Endogenous norepinephrine release induced by tyramine modulates intestinal ion transport. Tapper EJ, et al. **Am J Physiol** 1981 Sep;241(3):G264–9

A possible role for tyramines in brain function and some mental disorders. Juorio AV. **Gen Pharmacol** 1982; 13(3):181–3 (39 ref.)

URINE

Effect of low-dose clorgyline on 24-hour urinary monoamine excretion in patients with rapidly cycling bipolar affective disorder. Linnoila M, et al. **Arch Gen Psychiatry** 1982 May; 39(5):513–6

TYROCIDINES see under **TYROTHRICIN**

TYROPANOATE see under **IODOBENZENES**

TYROSINASE see under **DIPHENOL OXIDASES**

TYROSINE

Chemical modification of cysteine and tyrosine residues in formyltetrahydrofolate synthetase from Clostridium thermoaceticum. Elliott JI, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):245–52

Chemical cleavage of tryptophanyl and tyrosyl peptide bonds via oxidative halogenation mediated by o-iodosobenzoic acid. Fontana A, et al. **Biochemistry** 1981 Nov 24; 20(24):6997–7004

Tyrosine fluorescence of ram testis and octopus calmodulins. Effects of calcium, magnesium, and ionic strength. Kilhoffer MC, et al. **Biochemistry** 1981 Jul 21; 20(15):4407–14

Fast- and slow-refolding forms of unfolded ribonuclease A differ in tyrosine fluorescence. Rehage A, et al. **Biochemistry** 1982 Mar 30;21(7):1499–505

Study on the role of tyrosine side-chains at the active centre of emulsin beta-D-glucosidase. Kiss L, et al. **Biochim Biophys Acta** 1981 Dec 15;662(2):308–11

Modification of tyrosine residues in dihydrofolate reductase from Lactobacillus casei. Rosson D, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):49–56

Dipolar NMR relaxation of nonprotonated aromatic carbons in proteins. Structural and dynamical effects. Levy RM, et al. **Biophys J** 1982 Jul;39(1):107–13

An ultrastructural and cytochemical analysis of the cellular basis for tyrosine-derived collagen crosslinks in Leptogorgia virgulata (Cnidaria: Gorgonacea). Tidball JG. **Cell Tissue Res** 1982;222(3):635–45

Studies on the alkali light chains of vertebrate skeletal muscle myosin. Effect of tyrosyl modification on the ability to reassociate to heavy chains. Burke M, et al. **Eur J Biochem** 1982 May;124(1):177–82

The effects of Mg2+ on the Ca2+-binding properties and Ca2+-induced tyrosine-fluorescence changes of calmodulin isolated from rabbit skeletal muscle. Kohse KP, et al. **Eur J Biochem** 1981 Jul;117(3):507–13

H NMR studies of Tyr-237 of lactate dehydrogenase. Parker DM, et al. **FEBS Lett** 1981 Jun 29;129(1):33–5

Calculated tyrosyl circular dichroism of proteins: absence of tryptophan and cystine interferences in avian pancreatic polypeptide. Strassburger W, et al. **FEBS Lett** 1982 Mar 22;139(2):295–9

Involvement of a tyrosyl residue in the interaction of peanut lectin with lactose. Jimbo A, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):945–51

Reaction of the adenine nucleotide analogue 5'-p-fluorosulfonylbenzoyl adenosine at distinct tyrosine and cysteine residues of rabbit muscle pyruvate kinase. Annamalai AE, et al. **J Biol Chem** 1981 Oct 25; 256(20):10276–83

Purification of a tyrosine-specific protein kinase from Rous sarcoma virus-induced rat tumor. Blithe DL, et al. **J Biol Chem** 1982 Jun 25;257(12):7135–42

Reversible inhibition of the proton pump bacteriorhodopsin by modification of tyrosine 64. Lemke HD, et al. **J Biol Chem** 1982 Aug 25;257(16):9384–8

Reactivity of tyrosine in bovine pancreatic deoxyribonuclease with p-nitrobenzenesulfonyl fluoride. Liao TH, et al. **J Biol Chem** 1982 May 25;257(10):5637–44

Reactions of purified hog thyroid peroxidase with H2O2, tyrosine, and methylmercaptoimidazole (goitrogen) in comparison with bovine lactoperoxidase. Ohtaki S, et al. **J Biol Chem** 1982 Jan 25;257(2):761–6

Structure of the tyrosyl radical in bacteriophage T4-induced ribonucleotide reductase. Sahlin M, et al. **J Biol Chem** 1982 Jan 10;257(1):366–9

Lysine and tyrosine in the NADH inhibitory site of bovine liver glutamate dehydrogenase. Saradambal KV, et al. **J Biol Chem** 1981 Nov 25;256(22):11866–72

Chemical modification of D-amino acid oxidase. Amino acid sequence of the tryptic peptides containing tyrosine and lysine residues modified by fluorodinitrobenzene. Swenson RP, et al. **J Biol Chem** 1982 Feb 25;257(4):1937–44

Contribution of the amino terminal tyrosine to the interaction of gamma-endorphin with opiate receptors. Puett D, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):87–9

Relative contributions of tryptophan and tyrosine to the phosphorescence emission of human serum albumin at low temperatures. Waldmeyer J, et al. **Photochem Photobiol** 1982 Mar;35(3):299–304

[Significance of aromatic amino acid residues for certain functions of immunoglobulins] Bezvershenko IA, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):3–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of phenylketonuria during pregnancy. Michels VV, et al. **Clin Genet** 1982 Feb;21(2):141–4

ADVERSE EFFECTS

Influence of ascorbic acid on the adverse effect of feeding a diet containing excess tyrosine to chicks. Yanaka M, et al. **Br Poult Sci** 1982 May;23(3):239–45

Modified ragweed extract [letter] Small P. **J Allergy Clin Immunol** 1982 Jun;69(6):547

ANALOGS & DERIVATIVES

Separation of phosphohydroxyamino acids by high-performance liquid chromatography. Yang JC, et al. **Anal Biochem** 1982 May 15;122(2):360–3

A fluorescent compound in bovine dental enamel matrix compared with synthetic dityrosine. Booij M, et al. **Arch Oral Biol** 1982;27(5):417–21

Isodityrosine, a new cross-linking amino acid from plant cell-wall glycoprotein. Fry SC. **Biochem J** 1982 May 15; 204(2):449–55

Slow structural changes shown by the 3-nitrotyrosine-237 residue in pig heart [Tyr(3NO2)237] lactate dehydrogenase. Parker DM, et al. **Biochem J** 1982 Mar 1;201(3):465–71

Ozone-induced formation of O,O'-dityrosine cross-linked in proteins. Verweij H, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):180–4

Hapten-specific responses to the phenyltrimethylamino hapten. II. Regulation of delayed-type hypersensitivity by genetically restricted, anti-idiotype suppressor T cells induced by the monovalent antigen L-tyrosine-p-azophenyltrimethylammonium. Jayaraman S, et al. **Eur J Immunol** 1982 Apr;12(4):278–84

Detection of a novel mammalian protein phosphatase with activity for phosphotyrosine. Foulkes JG, et al. **FEBS Lett** 1981 Aug 3;130(2):197–200

Adjuvant activity of carbohydrate analogs of N-acetylmuramyl-L-alanyl-D-isoglutamine on the induction of delayed-type hypersensitivity to azobenzenearsonate-N-acetyl-L-tyrosine in guinea pigs. Azuma I, et al. **Infect Immun** 1981 Sep;33(3):834–9

Nuclear magnetic resonance study on solvent dependence of side chain conformations of tyrosine and tryptophan derivatives. Kobayashi J, et al. **Int J Pept Protein Res** 1981 Apr;17(4):486–94

Insulin stimulation of phosphorylation of the beta subunit of the insulin receptor. Formation of both phosphoserine and phosphotyrosine. Kasuga M, et al. **J Biol Chem** 1982 Sep 10;257(17):9891–4

Phosphotyrosine in proteins. Stability and quantification. Martensen TM. **J Biol Chem** 1982 Aug 25;257(16):9648–52

Discrete primary locations of a tyrosine-protein kinase and of three proteins that contain phosphotyrosine in virally transformed chick fibroblasts. Cooper JA, et al. **J Cell Biol** 1982 Aug;94(2):287–96

Faecal chymotrypsin--a new photometric method using N-acetyl-L-tyrosine ethyl ester as substrate. Schlaeger R, et al. **J Clin Chem Clin Biochem** 1982 Mar;20(3):147–50

Transformation by avian sarcoma viruses leads to phosphorylation of multiple cellular proteins on tyrosine residues. Beemon K, et al. **J Virol** 1982 May;42(2):742–7

Purified low-molecular-weight protein kinase from murine sarcoma virus particles catalyzes tyrosine phosphorylation endogenously but phosphorylates cellular proteins at serine. Sen A. **J Virol** 1981 Aug;39(2):612–24

Stimulation of tyrosine-specific phosphorylation by platelet-derived growth factor. Ek B, et al. **Nature** 1982 Feb 4;295(5848):419–20

Insulin stimulates tyrosine phosphorylation of the insulin receptor in a cell-free system. Kasuga M, et al. **Nature** 1982 Aug 12;298(5875):667–9

Tyrosine phosphorylation and oncogenes [news] Newmark P. **Nature** 1981 Jul 2;292(5818):15–6

Phosphotyrosine-containing proteins isolated by affinity chromatography with antibodies to a synthetic hapten. Ross AH, et al. **Nature** 1981 Dec 17;294(5842):654–6

Orthostatic hypotension in familial amyloid polyneuropathy: treatment with DL-threo-3,4-dihydroxyphenylserine. Suzuki T, et al. **Neurology (NY)** 1981 Oct;31(10):1323–6

Epidermal growth factor stimulates the phosphorylation of synthetic tyrosine-containing peptides by A431 cell membranes. Pike LJ, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1443–7

[Utilization of N-acetylated amino acids in solutions for intravenous feeding. Cleavage of N-acetyltyrosine and N-acetylcysteine in rat tissues] Neuhäuser M, et al. **Z Ernahrungswiss** 1982 Mar;21(1):21–6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Laser Raman spectroscopy of adrenal iron-sulfur apoprotein: the anomalous tyrosine residue at position 82. Bicknell-Brown E, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):298–305

The identification of protected tyrosine residues in iron-ovotransferrin. Williams J. **Biochem J** 1982 Mar 1; 201(3):647–51

Quantitation of aromatic residues in proteins: model compounds for second-derivative spectroscopy. Levine RL, et al. **Biochemistry** 1982 May 25;21(11):2600–6

Acetylation of bovine growth hormone by N-acetylimidazole. Blumgrund de Satz V, et al. **Int J Pept Protein Res** 1981 Nov;18(5):492–9

Inducer and anti-inducer interactions with the lac repressor seen by nuclear magnetic resonance changes at tyrosines and tryptophans. Boschelli F, et al. **J Biol Chem** 1981 Nov 25;256(22):11595–9

Tyrosine crystals in salivary gland tumours [letter] Friedmann I, et al. **J Clin Pathol** 1982 Jan;35(1):120

Tyrosine crystals in salivary gland tumours. Thomas K, et al. **J Clin Pathol** 1981 Sep;34(9):1003–5

Richner-Hanhart's syndrome: ultrastructural abnormalities of epidermal keratinization indicating a causal relationship to high intracellular tyrosine levels. Bohnert A, et al. **J Invest Dermatol** 1982 Aug;79(2):68–74

Tyrosine micro-region of E. coli L-asparaginase. Zhongxiao H, et al. **Sci Sin** 1981 Sep;24(9):1285–91

[Changes in biological properties of botulinum neurotoxin a induced by chemical modification of its molecule by tryptophan and tyrosine] Shibaeva IV, et al. **Biokhimiia** 1981 May;46(5):825–31 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Autoregulation of the tyrR gene. Camakaris H, et al. **J Bacteriol** 1982 Apr;150(1):70–5

BLOOD

An enzymatic assay of plasma phenylalanine and tyrosine for the detection and management of phenylketonuria. Shen RS, et al. **Biochem Med** 1981 Oct;26(2):211–21

Assay for plasma free phenylalanine and tyrosine by high-pressure liquid chromatography and field desorption mass spectrometry and its application to an in vivo study of the phenylalanine hydroxylating system in man. Lehmann WD, et al. **Biomed Mass Spectrom** 1981 Dec; 8(12):598–605

Liquid-chromatographic direct determination of phenylalanine and tyrosine in serum or plasma, with application to patients with phenylketonuria. Hilton MA. **Clin Chem** 1982 May;28(5):1215–8

Urinary excretion of succinylacetone and delta-aminolevulinic acid in patients with hereditary tyrosinemia. Christensen E, et al. **Clin Chim Acta** 1981 Nov 11;116(3):331–41

Assay of fumarylacetoacetate fumarylhydrolase in human liver-deficient activity in a case of hereditary tyrosinemia. Kvittingen EA, et al. **Clin Chim Acta** 1981 Sep;115(3):311–9

Metabolic basis of hypertyrosinemia in liver disease. Andersson SM, et al. **Gastroenterology** 1982 Mar; 82(3):554–7

Increased plasma tyrosine concentrations in patients with cirrhosis and fulminant hepatic failure associated with increased plasma tyrosine flux and reduced hepatic oxidation capacity. O'Keefe SJ, et al. **Gastroenterology** 1981 Dec;81(6):1017–24

Adrenergic influence on rat plasma concentrations of tyrosine and tryptophan. Eriksson T, et al. **Life Sci** 1982 Apr 26; 30(17):1465–72

Plasma phenylalanine: tyrosine ratios during high-dose methotrexate-citrovorum 'rescue'. Hilton MA, et al. **Med Pediatr Oncol** 1982;10(4):389–95

Evidence for the vivo compartmentation of amino acids between blood cells and plasma in man with liver disease during constant infusion of L (U-14C) tyrosine. O'Keefe SJ, et al. **Metabolism** 1982 Jul;31(7):701–3

[First report on behaviour of phenylalanine and tyrosine in serum of patients with gynaecological carcinomas (author's transl)] Elling D, et al. **Zentralbl Gynakol** 1982; 104(3):175–81 (Eng. Abstr.) **(Ger)**

[Hereditary tyrosinemia in an acute form: a case report (author's transl)] Di Battista C, et al. **Pediatr Med Chir** 1981 Jan-Feb;3(1):101–4 **(Ita)**

[Blood tyrosine level in glucocorticoid therapy] Rass IT. **Lab Delo** 1981;(8):485–8 (Eng. Abstr.) **(Rus)**

[Tyrosine content of the blood in pemphigus] Gadzhiev RG, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):24–5 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Effects of oral L-tyrosine administration on CSF tyrosine and homovanillic acid levels in patients with Parkinson's disease. Growdon JH, et al. **Life Sci** 1982 Mar 8; 30(10):827–32

DEFICIENCY

Hypotyrosinemia, hypocystinemia, and failure to retain nitrogen during total parenteral nutrition of cirrhotic patients. Rudman D, et al. **Gastroenterology** 1981 Dec; 81(6):1025–35

The justification theory: the effect of tyrosine deficiency on tubulin synthesis in the brain. Bessman SP, et al. **Prog Clin Biol Res** 1982;79:187–92

GENETICS

The genes coding for tRNA Tyr of Drosophila melanogaster: localization of determination of the gene numbers. Dudler R, et al. **Chromosoma** 1981;84(1):49–60

IMMUNOLOGY

l-Tyrosine as an immunological adjuvant. Wheeler AW, et al. **Int Arch Allergy Appl Immunol** 1982;69(2):113–9

ISOLATION & PURIFICATION

[Methods of obtaining L forms of tyrosine and 3,4-dihydroxyphenylalanine (a review)] Tysiachnaia IV, et al. **Prikl Biokhim Mikrobiol** 1981 Sep–Oct;17(5):645–59 (96 ref.) **(Rus)**

METABOLISM

Radioautography of rat incisor dentin as a continuous record of the incorporation of a single dose of 3H-labeled proline and tyrosine. Josephsen K, et al. **Am J Anat** 1982 May; 164(1):45–56

Amino acid metabolism of Malassezia furfur. El-Gothamy Z. **Ann Parasitol Hum Comp** 1981;56(3):359–61

Formation of 3H-dopamine and 3H-noradrenaline from 3H-tyrosine in the canine saphenous vein. Boels PJ, et al. **Arch Int Pharmacodyn Ther** 1981 Oct;253(2):315–16

Carboxyl terminal tyrosine metabolism of alpha tubulin and changes in cell shape: Chinese hamster ovary cells. Deanin GG, et al. **Biochem Biophys Res Commun** 1981 Jun; 100(4):1642–50

Tyrosine aminotransferase deficiency in mink (Mustela vision): a model for human tyrosinemia II. Goldsmith LA, et al. **Biochem Genet** 1981 Aug;19(7–8):687–93

Effects of experimental hyperthyroidism on protein turnover in skeletal and cardiac muscle as measured by [14C]tyrosine infusion. Carter WJ, et al. **Biochem J** 1982 Apr 15; 204(1):69–74

Slow structural changes shown by the 3-nitrotyrosine-237 residue in pig heart [Tyr(3NO2)237] lactate dehydrogenase. Parker DM, et al. **Biochem J** 1982 Mar 1;201(3):465–71

Measurement of in vivo protein synthesis in rats during an exercise bout. Dohm GL, et al. **Biochem Med** 1982 Jun; 27(3):367–73

Effect of early inorganic lead exposure on rat blood–brain barrier permeability to tyrosine or choline. Michaelson IA, et al. **Biochem Pharmacol** 1982 May 15;31(10):1881–5

Tyrosine transport by membrane vesicles isolated from rat brain. Aragón MC, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):465–70

Tyrosine oxidation and protein turnover in maternal tissues and the fetus during pregnancy in rats. Mayel-Afshar S, et al. **Biochim Biophys Acta** 1982 May 27;716(2):201–7

Specific chemical modification of the readily nitrated tyrosine of the RTEM beta-lactamase and of bacillus cereus beta-lactamase I. The role of the tyrosine in beta-lactamase catalysis. Wolozin BL, et al. **Biochim Biophys Acta** 1982 Feb 18;701(2):153–63

Modification of human transcortin by tetranitromethane. Evidence for the implication of a tyrosine residue in cortisol binding. Le Gaillard F, et al. **Biochimie** 1982 Feb; 64(2):153–8

Altered amino acid kinetics in rats with progressive tumor growth. Kawamura I, et al. **Cancer Res** 1982 Mar; 42(3):824–9

Cytoskeletal targets for viral transforming proteins with tyrosine protein kinase activity. Sefton BM, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):939–51

Inhibition of the active transport of D-glucose and L-tyrosine by DDT and DDE in the rat small intestine. Iturri SJ, et al. **Comp Biochem Physiol [C]** 1982; 71C(1):131–4

Nerve growth factor and the metabolism of the carboxyl terminal tyrosine of alpha-tubulin. Deanin GG, et al. **Dev Neurosci** 1982;5(1):101–7

Availability of phenylalanine and tyrosine for brain norepinephrine synthesis in developmentally protein-malnourished rats. Miller M, et al. **Exp Neurol** 1982 Jul;77(1):163–78

Involvement of tyrosyl residues in the binding of benzodiazepines to their brain receptors. Sherman-Gold R, et al. **FEBS Lett** 1981 Aug 31;131(2):313–6

Intracellular phenylalanine and tyrosine concentration in homozygotes and heterozygotes for phenylketonuria (PKU) and hyperphenylalaninemia compared with normals. Thalhammer O, et al. **Hum Genet** 1982;60(4):320–1

Changes in tyrosine levels of black & white skins of guinea pigs treated with psoralen & hormones. Mondal M, et al. **Indian J Exp Biol** 1981 Feb;19(2):189–90

Biochemical study of malnutrition. Part V. Metabolism of phenylalanine and tyrosine. Antener I, et al. **Int J Vitam Nutr Res** 1981;51(3):297–306

Relevance of tryptophan and tyrosine availability in endogenous and 'non-endogenous' depressives treated with imipramine or clomipramine. Møller SE, et al. **J Affective Disord** 1981 Sep;3(3):231–44

Stimulation of tubulin tyrosinolation in rabbit leukocytes evoked by the chemoattractant formyl-methionyl-leucyl-phenylalanine. Nath J, et al. **J Cell Biol** 1981 Oct;91(1):232–9

Regional heterogeneity of L-[3-(3)H]tyrosine incorporation into rat brain proteins during severe hypoglycemia. Kiessling M, et al. **J Cereb Blood Flow Metab** 1982; 2(2):249–53

A procedure for measuring the contributions of intracellular and extracellular tyrosine pools to the rate of myocardial protein synthesis. O'Hara DS, et al. **J Mol Cell Cardiol** 1981 Oct;13(10):925–40

Effect of gammahydroxybutyric acid on catecholamine synthesis and utilization in the developing rat brain. Hedner T, et al. **J Neural Transm** 1982;54(1–2):19–28

Enzymatic detyrosination of tubulin tyrosinated in rat brain slices and extracts. Barra HS, et al. **J Neurochem** 1982 Jan; 38(1):112–5

Gene products of McDonough feline sarcoma virus have an in vitro-associated protein kinase that phosphorylates tyrosine residues: lack of detection of this enzymatic activity in vivo. Barbacid M, et al. **J Virol** 1981 Dec; 40(3):812–21

Possible role of octopamine and tyramine in the antihypertensive and antidepressant effects of tyrosine. Edwards DJ. **Life Sci** 1982 Apr 26;30(17):1427–34

Chronic hypertension increases tyrosine transport across the blood–brain barrier in the rat. Hatzinikolaou P, et al. **Life Sci** 1981 Oct 19;29(16):1657–60

The cyclic tyrosination/detyrosination of alpha tubulin. Thompson WC. **Methods Cell Biol** 1982;24 Pt A:235–55

Tyrosine phosphorylation of a 50K cellular polypeptide associated with the Rous sarcoma virus transforming protein pp60src. Gilmore TD, et al. **Mol Cell Biol** 1982 Feb;2(2):199–206

Hawkinsinuria: a dominantly inherited defect of tyrosine metabolism with severe effects in infancy. Wilcken B, et al. **N Engl J Med** 1981 Oct 8;305(15):865–8

Sulphation of tyrosine residues–a widespread modification of proteins. Huttner WB. **Nature** 1982 Sep 16; 299(5880):273–6

Quercetin inhibits tyrosine phosphorylation by the cyclic nucleotide-independent, transforming protein kinase, pp60src. Glossmann H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):100–2

Compartmentation in amino acid transport across the blood brain barrier. Samuels S, et al. **Neurochem Res** 1981 Jul; 6(7):755–65

Analysis of the sequence of amino acids surrounding sites of tyrosine phosphorylation. Patschinsky T, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):973–7

Characterization of sites for tyrosine phosphorylation in the transforming protein of Rous sarcoma virus (pp60v-src) and its normal cellular homologue (pp60c-src). Smart JE, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6013–7

Reaction of nitrite with tyrosine residues in digestive enzymes. Cheng CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Nov;80(11):1186–92

Metabolic effects of mimosine on tyrosine in the rat. ter Meulen U, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981; 46(5):264–9

[Effect of electro-acupuncture analgesia on the transport of tryptophan and tyrosine from plasma into brain (author's transl)] Zhang ZD, et al. **Chung Kuo Yao Li Hsueh Pao** 1980 Dec;1(2):92–4 (Eng. Abstr.) **(Chi)**

[In vitro study of L-tyrosine as a possible substrate for energy metabolism of tissue sections (brain, liver) and its effect on isolated mitochondria of the rat brain] Bonifacj JF, et al. **Agressologie** 1981;22(6):241–4 (Eng. Abstr.) **(Fre)**

[L-tyrosine transformation into L-dihydroxyphenylalanine by Pseudomonas cultures] Pshirkov SIu, et al. **Mikrobiologiia** 1982 Mar–Apr;51(2):272–4 **(Rus)**

[Congenital tyrosine metabolism disorders in children with hemoblastoses] Raushenbakh MO, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):19–24 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

L-tyrosine and adrenergic neuroeffector interaction in the canine saphenous vein. Boels PJ, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):155–6

Dietary influence of tyrosine and phenylalanine on the response of B16 melanoma to carbidopa-levodopa methyl ester chemotherapy. Meadows GG, et al. **Cancer Res** 1982 Aug;42(8):3056–63

Clinical and immunologic evaluation of glutaraldehyde-modified tyrosine-adsorbed short ragweed extract: a double-blind, placebo-controlled trial. Metzger WJ, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):442–8

The effect of some precursor amino acids and enzyme inhibitors on the mouse striatal concentration of tyramines and homovanillic acid. Jucrio AV, et al. **J Neurochem** 1982 Sep;39(3):859–63

L-Tyrosine enhancement of the elevation of 3,4-dihydroxyphenylacetic acid concentration in rat brain by spiperone and amfonelic acid. Fuller RW, et al. **J Pharm Pharmacol** 1982 Feb;34(2):117–8

Effect of acute administration of large neutral and other amino acids on urinary excretion of catecholamines1,2. Agharanya JC, et al. **Life Sci** 1982 Mar 1;30(9):739–46

Tyrosine availability and dopamine synthesis in the striatum: studies with gamma-butyrolactone. Sved A, et al. **Life Sci** 1981 Aug 17;29(7):743–8

Neurotransmitter precursors and brain function. Conlay LA, et al. **Neurosurgery** 1982 Apr;10(4):524–9

Effects of L-dopa and L-tyrosine on adrenergic transmission in the canine saphenous vein. Muldoon SM, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):341–9

Effects of amino acid precursors on catecholamine synthesis in the brain. Edwards DJ, et al. **Prog Neuropsychopharmacol** 1981;5(5–6):569–72

Behavioural and biochemical effects of tryptophan, tyrosine and phenylalanine in mice. Gibson CJ, et al. **Psychopharmacology (Berlin)** 1982;76(2):118–21

[Effect of tyrosine-74-modified cytochrome C on electron transfer in Keilin-Hartree submitochondrial particles] Mitovska M, et al. **Eksp Med Morfol** 1981;20(3):129–34 (Eng. Abstr.) **(Bul)**

[Mechanism of the inhibiting effect of the Cu-tyrosine complex on the hydroxylation reactions] Karuzina II, et al. **Biokhimiia** 1981 Oct;46(10):1754–60 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Immunotherapy with glutaraldehyde treated tyrosine adsorbed grass pollen in the treatment of allergic rhinitis. Small P, et al. **Ann Allergy** 1981 Dec;47(6):443–5

TYROSINE AMINOTRANSFERASE

ANALYSIS

[Enzyme changes in the human liver after injuries] Coman M, et al. **Physiologie** 1981 Jan–Mar;18(1):57–60 **(Fre)**

ANTAGONISTS & INHIBITORS

Explanation for the apparent inactivation of tyrosine aminotransferase in hepatoma cells by concanavalin A. Hargrove JL, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):1042–8

Effects of protein-degradation inhibitors on the inactivation of tyrosine aminotransferase, tryptophan oxygenase and benzopyrene hydroxylase in isolated rat hepatocytes. Grinde B, et al. **Biochem J** 1982 Jan 15;202(1):191–6

Inhibition of tyrosine aminotransferase activity during severe hypoxic stress in a fish Cyprinus carpio. Ratha BK, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):445–7

BIOSYNTHESIS

Ontogeny of the glucocorticoid receptor and its relationship to tyrosine aminotransferase induction in cultured foetal hepatocytes. Cake MH, et al. **Biochem J** 1981 Aug 15; 198(2):301–7

The regulation of hepatic tyrosine aminotransferase. Evans PJ. **Biochim Biophys Acta** 1981 Nov 5;677(3–4):433–44

Enzyme induction in rat liver: the effects of Be2+ in vivo. Ord MG, et al. **Biosci Rep** 1981 Mar;1(3):217–22

Selective effect of the metallocarcinogen beryllium on hormonal regulation of gene expression in cultured cells. Perry ST, et al. **Cancer Res** 1982 Feb;42(2):473–6

Induction of cytosolic tyrosine aminotransferase by dexamethasone in organ culture of fetal human liver. Andersson SM. **Early Hum Dev** 1982 Apr;6(2):165–9

Insulin antagonism of glucocorticoid induction of tyrosine aminotransferase in cultured foetal hepatocytes. Ho KK, et al. **Eur J Biochem** 1981 Aug;118(1):137–42

Modulation of the glucagon-dependent induction of phosphoenolpyruvate carboxykinase and tyrosine aminotransferase by arterial and venous oxygen concentrations in hepatocyte cultures. Nauck M, et al. **Eur J Biochem** 1981 Oct;119(3):657–61

Positive and negative cAMP-mediated control of tyrosine aminotransferase synthesis in Reuber H35 hepatoma cells. Snoek GT, et al. **Eur J Biochem** 1982 Mar;123(1):217–22

Selective inhibition by sodium butyrate of glucocorticoid-induced tyrosine aminotransferase synthesis in hepatoma tissue-cultured cells. Tichonicky L, et al. **Eur J Biochem** 1981 Dec;120(3):427–33

Regulation of tyrosine aminotransferase by insulin in cultured rat hepatoma cells. Sorimachi K, et al. **J Biochem (Tokyo)** 1981 Oct;90(4):1197–204

Lectins mimic insulin in the induction of tyrosine aminotransferase. Smith JD, et al. **Science** 1981 Nov 13; 214(4522):799–800

[Hormonal induction of liver tyrosine aminotransferase in poisoned animals] Goncharova LV. **Vopr Med Khim** 1982 Jul–Aug;28(4):77–9 (Eng. Abstr.) **(Rus)**

[Effect of L-ascorbic and D-isoascorbic acids on induced formation of tyrosine aminotransferase in rat liver] Levchuk AA, et al. **Vopr Med Khim** 1981;27(4):500–3 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Tyrosine aminotransferase deficiency in mink (Mustela vision): a model for human tyrosinemia II. Goldsmith LA, et al. **Biochem Genet** 1981 Aug;19(7–8):687–93

GENETICS

Tyrosine aminotransferase induced in cells genetically and epigenetically deficient for this enzyme. Pick L, et al. **Dev Biol** 1982 Jul;92(1):275–8

Evidence for a dual effect of dibutyryl cyclic AMP on the synthesis of tyrosine aminotransferase in rat liver. Noguchi T, et al. **J Biol Chem** 1982 Mar 10;257(5):2386–90

Selection of rat hepatoma cells defective in hormone-regulated production of mouse mammary tumor

virus RNA. Grove JR, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4349–53

Induction of tyrosine aminotransferase mRNA by glucocorticoids and cAMP in fetal rat liver. Ruiz-Bravo N, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):365–8

ISOLATION & PURIFICATION

[Characterization of tyrosine aminotransferase by an immunoadsorption technic. Application to the measurement of the specific messenger RNA] Santana MA, et al. **C R Soc Biol (Paris)** 1981;175(6):859–65 (Eng. Abstr.) **(Fre)**

METABOLISM

Phosphorylation of tyrosine aminotransferase in vitro by cyclic nucleotide-dependent protein kinases. Stellwagen RH, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1209–15

Inverse correlation between cyclic GMP and tyrosine aminotransferase degradation in rat hepatoma tissue culture cells. Strinden ST, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):724–9

Brain tyrosine aminotransferase: identity and possible role in the regulation of catecholamine synthesis. Badawy AA, et al. **Biochem J** 1982 May 15;204(2):622–4

Is there a brain tyrosine aminotransferase? [letter] Ohisalo JJ, et al. **Biochem J** 1982 May 15;204(2):621–2

Enhancement of rat brain tyrosine aminotransferase activity by cortisol. Snape BM, et al. **Biochem J** 1981 Aug 15; 198(2):417–20

Cathepsin T (convertase) generates the multiple forms of tyrosine aminotransferase by limited proteolysis. Hargrove JL, et al. **Biochemistry** 1982 Jan 19;21(2):283–9

Growth hormone inhibition of tyrosine aminotransferase in primary cultures of rat liver cells. Shires TK, et al. **Biochim Biophys Acta** 1982 Jan 12;714(1):170–2

The influence of reserpine on nitrogen metabolizing enzymes in chick liver. Wu JM. **Biochim Biophys Acta** 1982 Mar 15;715(1):57–62

Tyrosine aminotransferase activity of frog (Rana esculenta) liver. Incerpi S, et al. **Comp Biochem Physiol [B]** 1982; 71(3):519–22

A possible link between the subforms of tyrosine aminotransferase and its inducibility by dibutyryl cyclic AMP. Evans PJ. **FEBS Lett** 1981 Sep 28;132(2):193–6

Stimulation of the activities of phosphatidate phosphohydrolase and tyrosine aminotransferase in rat hepatocytes by glucocorticoids. Jennings RJ, et al. **FEBS Lett** 1981 Oct 12;133(1):119–22

Conversion of chloramphenicol degradation products by tyrosine aminotransferase from Flavobacteria. Beschle HG, et al. **Hoppe Seylers Z Physiol Chem** 1982 Apr; 363(4):439–44

Hormonal deinduction of tyrosine aminotransferase. Giesen EM, et al. **Horm Metab Res** 1982 May;14(5):252–6

Determination of the thermodynamic parameters for 5'-sulfate coenzyme derivatives. Apotyrosine transaminase complex formation. Minelli A, et al. **Ital J Biochem** 1982 Jan-Feb;31(1):17–21

Development of tyrosine aminotransferase and para-hydroxyphenylpyruvate dioxygenase activities in fetal and neonatal human liver. Ohisalo JJ, et al. **J Clin Invest** 1982 Jul;70(1):198–200

Circadian variations in the activity of tyrosine hydroxylase, tyrosine aminotransferase, and tryptophan hydroxylase: relationship to catecholamine metabolism. Cahill AL, et al. **J Neurochem** 1981 Nov;37(5):1109–15

Biphasic enhancement of rat brain tyrosine aminotransferase activity by acute ethanol administration. Badawy AA, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):517–26

[Effect of a beta-blocker (pindolol) on the activity of cerebral and hepatic tyrosine aminotransferase, and on the concentration of cerebral catecholamines] Hasni H, et al. **Agressologie** 1981;22(1):5–7 (Eng. Abstr.) **(Fre)**

[Glucocorticoid receptors and metabolic disorders of the liver and heart following immobilization] Bobkov AI, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1258–64 (Eng. Aostr.) **(Rus)**

[Multiple forms of tyrosine aminotransferase in rat liver cells and their role in cell homeostasis] Mertvetsov NP. **Vopr Med Khim** 1981 Mar-Apr;27(2):154–66 (Eng. Abstr.) **(Rus)**

TYROSINE HYDROXYLASE

ANALYSIS

Fine structure of the nigrostriatal anlage in fetal rat brain by immunocytochemical localization of tyrosine hydroxylase. Specht LA, et al. **Brain Res** 1981 Aug 10; 218(1-2):49–65

ANTAGONISTS & INHIBITORS

Regulation by catecholamines of spontaneous growth hormone secretion in the baboon. Stewart JK, et al. **Am J Physiol** 1981 Sep;241(3):E196–9

The effects of tetrahydroisoquinolinecarboxylic acids in tyrosine 3-monooxygenase. Galloway MP, et al. **Arch Biochem Biophys** 1981 Jul;209(2):620–7

Effect of des-Tyr1-gamma-endorphin and des-Tyr1-alpha-endorphin on alpha-MPT-induced catecholamine disappearance in rat brain nuclei: a dose--response study. Versteeg DH, et al. **Brain Res** 1982 Jan 14;231(2):343–51

Somatic cell hybrids producing inhibitors of melanotic melanoma tyrosine hydroxylase. Hakim AA. **Experientia** 1982 Feb 15;38(2):267–70

Influence of aging and tyrosine hydroxylase inhibition on tissue levels of norepinephrine during stress. Avakian EV, et al. **J Gerontol** 1982 May;37(3):257–61

Dihydralazine inhibits tyrosine hydroxylase in vivo in the rat. Persson B, et al. **J Neural Transm** 1982;53(2-3):109–16

A comparison of 2-hydroxyestradiol and U-0521 (3'4'-dihydroxy-2-methylpropiophenone, Upjohn) as in situ and in vitro inhibitors of tyrosine hydroxylase. Lloyd T, et al. **J Neurochem** 1982 Apr;38(4):948–54

BIOSYNTHESIS

Evidence for a dual effect of dibutyryl cyclic AMP on the synthesis of tyrosine aminotransferase in rat liver. Granner D, et al. **Adv Cyclic Nucleotide Res** 1981;14:529–37

Nerve growth factor-mediated stimulation of tyrosine hydroxylase activity in a clonal rat pheochromocytoma cell line. Hatanaka H. **Brain Res** 1981 Oct 19;222(2):225–33

Alterations in norepinephrine, serotonin, c-AMP, and transsynaptic induction of tyrosine hydroxylase after spinal cord transection in the rat. Naftchi NE, et al. **Neurochem Res** 1981 Nov;6(11):1205–16

Effect of adrenalectomy on tyrosine hydroxylase activity. Dailey JW, et al. **Neuropharmacology** 1982 Apr; 21(4):287–91

GENETICS

The inheritance and genetic correlation of tyrosine hydroxylase activities in the substantia nigra and corpus striatum in the C x B recombinant inbred mouse strains. Vadasz C, et al. **Brain Res** 1982 Feb 18;234(1):1–9

Proliferation and distribution of cells that transiently express a catecholaminergic phenotype during development in mice and rats. Teitelman G, et al. **Dev Biol** 1981 Sep; 86(2):348–55

Identification of cDNA clones coding for rat tyrosine hydroxylase antigen. Lamouroux A, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3881–5

IMMUNOLOGY

Activating antibodies to tyrosine hydroxylase. Haycock JW, et al. **J Biol Chem** 1982 Aug 25;257(16):9416–23

ISOLATION & PURIFICATION

Purification of tyrosine hydroxylase by high-pressure liquid chromatography. Lloyd T, et al. **Anal Biochem** 1981 Sep 15;116(2):559–63

Purification and some properties of tyrosine 3-monooxygenase from rat adrenal. Okuno S, et al. **Eur J Biochem** 1982 Feb;122(1):49–55

METABOLISM

Effect of chronic propranolol treatment and withdrawal on norepinephrine and tyrosine hydroxylase in sympathetic tissues. Atkins F, et al. **Arch Int Pharmacodyn Ther** 1981 Dec;254(2):271–81

Mechanism of tyrosine hydroxylase activation by phosphorylation. Vigny A, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):1–7

Mouse neuroblastoma clone N1E-115: a suitable model for studying the action of dopamine agonists of tyrosine hydroxylase activity. Bräutigam M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1279–82

Studies on the regulatory mechanism of the tyrosine hydroxylase system in adrenal slices by using high-performance liquid chromatography with electrochemical detection. Togari A, et al. **Biochem Pharmacol** 1982 May 1;31(9):1729–34

Kinetic properties of tyrosine hydroxylase with natural tetrahydrobiopterin as cofactor. Oka K, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):45–53

Time of appearance during development of differences in nigrostriatal tyrosine hydroxylase activity in two inbred mouse strains. Baker H, et al. **Brain Res** 1982 Jun; 256(2):157–65

A new double labeling technique using tyrosine hydroxylase and dopamine-beta-hydroxylase immunohistochemistry: evidence for dopaminergic cells lying in the pons of the beef brain. Berod A, et al. **Brain Res** 1982 May 27; 240(2):235–43

Retinal amacrine cell system tyrosine hydroxylase: the development of responsiveness to light and neuroleptic drugs. Cohen J, et al. **Brain Res** 1982 Jan;255(1):160–3

Enzyme activities in the central nervous system of the epilepsy-prone rat. Dailey JW, et al. **Brain Res** 1982 Jan 7;231(1):225–30

Stain-dependent differences between the septo-hippocampal cholinergic system and hippocampal size. Gilad GM, et al. **Brain Res** 1981 Oct 19;222(2):423–7

Ultrastructural immunocytochemical localization of tyrosine hydroxylase in the neostriatum. Pickel VM, et al. **Brain Res** 1981 Nov 30;225(2):373–85

Neurotransmitter-synthesizing enzymes in 14 human neuroblastoma cell lines. Ross RA, et al. **Cell Mol Neurobiol** 1981 Sep;1(3):301–11

Biosynthetic enzyme activities and catecholamines in adrenal glands of genetic and experimental hypertensive rats. Grobecker H, et al. **Circ Res** 1982 May;50(5):742–6

Differences in utero in activities of catecholamine biosynthetic enzymes in adrenals of spontaneously hypertensive rats. Teitelman G, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):227s-230s

Influence of adrenal epinephrine on postnatal development of tyrosine hydroxylase activity in the superior cervical ganglion. Markey KA, et al. **Dev Neurosci** 1981;4(4):267–72

Effects of neonatal ACTH4-10 administration on adult adaptive behavior and brain tyrosine hydroxylase activity. Nyakas C, et al. **Dev Neurosci** 1981;4(3):225–32

Increased tyrosine hydroxylase activity in frontal cortex of rats after long-term isolation stress. Toru M. **Encephale** 1982;8(2):315–7

A sensitive and inexpensive high-performance liquid chromatographic assay for tyrosine hydroxylase. Kato T, et al. **Experientia** 1981;37(8):809–11

Regional distribution of tyrosine hydroxylase and dopamine beta-hydroxylase activities in guinea pig heart. Dickson DW, et al. **J Auton Nerv Syst** 1981 Nov;4(4):319–26

Electron microscopic immunocytochemical localization of tyrosine hydroxylase in the area postrema of rat. Armstrong DM, et al. **J Comp Neurol** 1982 Apr 10;206(3):259–72

Circadian variations in the activity of tyrosine hydroxylase, tyrosine aminotransferase, and tryptophan hydroxylase: relationship to catecholamine metabolism. Cahill AL, et al. **J Neurochem** 1981 Nov;37(5):1109–15

Comparative microdistribution of the activity of catecholamine-synthesizing enzymes in horizontal sections of the rat lower brainstem. Chamba G, et al. **J Neurochem** 1982 Aug;39(2):577–81

Microtopography of tyrosine hydroxylase, glutamic acid decarboxylase, and choline acetyltransferase in the substantia nigra and ventral tegmental area of control and Parkinsonian brains. Javoy-Agid F, et al. **J Neurochem** 1981 Nov;37(5):1218–27

Influence of calcium on dopamine synthesis and tyrosine hydroxylase activity in rat striatum. Kapatos G, et al. **J Neurochem** 1982 Aug;39(2):327–35

Ontogenesis of monoamine-synthesizing enzyme activities and biopterin levels in rat brain or salivary glands, and the effects of thyroxine administration. Kato T, et al. **J Neurochem** 1982 Apr;38(4):896–901

Monovalent cations and striatal tyrosine hydroxylase. Kuczenski R. **J Neurochem** 1981 Sep;37(3):681–6

Tyrosine hydroxylase from bovine striatum: catalytic properties of the phosphorylated and nonphosphorylated forms of the purified enzyme. Lazar MA, et al. **J Neurochem** 1982 Aug;39(2):409–22

Short-term regulation of hydroxylase cofactor activity in rat brain. Mandell AJ, et al. **J Neurochem** 1981 Dec; 37(6):1573–8

Tyrosine hydroxylase activity in rat brain synaptosomes: direct measurement using high performance liquid chromatography. Messripour M, et al. **J Neurochem** 1982 Apr;38(4):1139–43

Effect of cyclic AMP-dependent protein phosphorylating conditions on the pH-dependent activity of tyrosine hydroxylase from beef and rat striata. Pollock RJ, et al. **J Neurochem** 1981 Oct;37(4):855–60

Short and long term changes in tyrosine hydroxylase activity in rat brain after subtotal destruction of central noradrenergic neurons. Acheson AL, et al. **J Neurosci** 1981 May;1(5):493–504

Development and aging of noradrenergic cell bodies and axon terminals in the chicken. Yurkewicz L, et al. **J Neurosci Res** 1981;6(5):621–41

Activation of retinal tyrosine hydroxylase: tolerance induced by chronic treatment with haloperidol does not modify response to light. Cohen J, et al. **J Pharmacol Exp Ther** 1982 May;221(2):326–8

Evidence for the transsynaptic activation of tyrosine hydroxylase in rabbit portal vein mediated through a cyclic AMP-independent mechanism. Takimoto GS, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):97–106

Regulation of tyrosine hydroxylase activity in retinal cell suspensions: effects of potassium and 8-bromo cyclic AMP. Iuvone PM, et al. **Life Sci** 1982 Jan 4;30(1):85–91

The rapid activation of tyrosine hydroxylase by the subcutaneous injection of formaldehyde. Masserano JM, et al. **Life Sci** 1981 Nov 9;29(19):2025–9

Effect of estradiol benzoate and clomiphene on tyrosine hydroxylase activity and on luteinizing hormone and prolactin levels in ovariectomized rats. Tobias H, et al. **Life Sci** 1981 Aug 17;29(7):711–6

Tyrosine hydroxylase activity in Venezuelan equine encephalomyelitis virus infection. Levine S, et al. **Neurochem Res** 1981 Jun;6(6):691–7

Evidence for the presence of enkephalin in catecholaminergic neurones of cat locus coeruleus. Charnay Y, et al. **Neurosci Lett** 1982 May 28;30(2):147–51

Tyrosine hydroxylase-like immunoreactive interplexiform cells in the rat retina. Nguyen-Legros J, et al. **Neurosci Lett** 1981 Dec 23;27(3):255–9

Dopaminergic dendrites in the pars reticulata of the rat substantia nigra and their striatal input. Combined immunocytochemical localization of tyrosine hydroxylase and anterograde degeneration. Wassef M, et al. **Neuroscience** 1981;6(11):2125–39

Linkage of the brain-skin-gut axis: islet cells originate from

dopaminergic precursors. Teitelman G, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:157–68
Ethanol-induced changes in tyrosine hydroxylase activity in brains of mice selectively bred for differences in sensitivity to ethanol. Baizer L, et al. **Pharmacol Biochem Behav** 1981 Dec;15(6):945–9
Transformation of catecholaminergic precursors into glucagon (A) cells in mouse embryonic pancreas. Teitelman G, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5225–9
Monoclonal anti-tyrosine hydroxylase antibodies. Hakim AA. **Proc Soc Exp Biol Med** 1981 Oct;168(1):82–96
Interaction of tetrahydroisoquinolines with activated tyrosine hydroxylase. Bennett DB, et al. **Prog Clin Biol Res** 1982; 90:301–9
Correlation between tyrosine hydroxylase activity, melanogenesis, and estradiol binding in human melanoma cells. Hakim AA. **Res Exp Med (Berl)** 1982;180(2):99–115
Tetrahydrobiopterin in striatum: localization in dopamine nerve terminals and role in catecholamine synthesis. Levine RA, et al. **Science** 1981 Nov 20;214(4523):919–21
Electroconvulsive shock increases tyrosine hydroxylase activity in the brain and adrenal gland of the rat. Masserano JM, et al. **Science** 1981 Nov 6;214(4521):662–5
Activation of bovine adrenal tyrosine hydroxylase by ATP. Morita K. **Tokushima J Exp Med** 1981 Jun;28(1–2):1–7
[Kinetic property of tyrosine hydroxylase in pheochromocytoma (author's transl)] Nakada T. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):338–42 **(Jpn)**
[Developmental changes in catecholamine synthesizing enzymes in periphery (author's transl)] Kuzuya H. **Tanpakushitsu Kakusan Koso** 1981 Aug;26(11):1752–9 (34 ref.) **(Jpn)**

PHYSIOLOGY

Diurnal variation in hypothalamic monoamines and plasma corticosterone in the turkey after inhibition of tyrosine hydroxylase or tryptophan hydroxylase. Martin JT, et al. **Neuroendocrinology** 1982 Mar;34(3):191–6

TYROSINE PHENOL-LYASE see under **LYASES**

TYROSYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

TYROTHRICIN

CHEMICAL SYNTHESIS

Studies of peptide antibiotics. XLI. Syntheses of 6-L-valine-tyrocidine A and 7-L-ornithine-tyrocidine A. Kosui N, et al. **Int J Pept Protein Res** 1981 Aug; 18(2):127–34

PHYSIOLOGY

Isolation and properties of Bacillus brevis mutants unable to produce tyrocidine. Symons DC, et al. **J Bacteriol** 1982 Aug;151(2):580–90

UBIQUINONE

Temperature dependence of electron transfer between bacteriopheophytin and ubiquinone in protonated and deuterated reaction centers of Rhodopseudomonas sphaeroides. Schenck CC, et al. **Biophys J** 1981 Dec; 36(3):479–89
The interaction of coenzyme Q with dipalmitoylphosphatidylcholine bilayers. Katsikas H, et al. **FEBS Lett** 1981 Oct 26;133(2):230–4
Specific interaction between protein and ubiquinone in succinate-ubiquinone reductase. Yu CA, et al. **J Biol Chem** 1982 Jun 10;257(11):6127–31
Ubiquinones: stereochemistry and biological implications. Boicelli CA, et al. **Membr Biochem** 1981;4(2):105–18
Effect of CoQ homologues on the fluidity of phospholipid bilayers a studied by fluorescence polarization of perylene. Spisni A, et al. **Membr Biochem** 1981;4(2):149–57
[Kinetic model of the operation of a 2-electron switch in the photosynthetic reaction center of bacteria] Shinkarev VP, et al. **Mol Biol (Mosk)** 1981 Sep–Oct;15(5):1069–82 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Coenzyme Q10 treatment for the liver damages induced by antineoplastic agents (author's transl)] Yamada S. **Nippon Gan Chiryo Gakkai Shi** 1980 Oct 20;15(6):1003–15 (Eng. Abstr.) **(Jpn)**
[Coenzyme Q9 modification of radiation injury] Zaslavskii IuA, et al. **Radiobiologiia** 1981;21(4):609–11 **(Rus)**

ANALOGS & DERIVATIVES

Coenzyme Q10: the prophylactic effect on low cardiac output following cardiac valve replacement. Tanaka J, et al. **Ann Thorac Surg** 1982 Feb;33(2):145–51
Protection of ischaemic myocardium with coenzyme Q10. Nakamura Y, et al. **Cardiovasc Res** 1982 Mar;16(3):132–7
Photooxidase system of Rhodospirillum rubrum III. The role of rhodoquinone and ubiquinone in the activity of preparations of chromatophores and photoreaction centers. Gimenez-Gallego G, et al. **Eur J Biochem** 1982 Jan; 121(2):343–7
Complete inhibition of electron transfer from ubiquinol to cytochrome b by the combined action of antimycin and myxothiazol. von Jagow G, et al. **FEBS Lett** 1981 Dec 21;136(1):19–24
Mitochondrial formation of OH Radicals by an ubisemiquinone-dependent reaction an alternative pathway to the iron-catalysed Haber-Weiss cycle. Nohl H, et al. **Hoppe Seylers Z Physiol Chem** 1982 Jun;363(6):599–607
Spectroscopic properties of ubiquinones in model systems. Degli Esposti M, et al. **Ital J Biochem** 1981 Nov–Dec; 30(6):437–52
Identification of ubiquinone-50 in human neutrophils and its role in microbicidal events. Crawford DR, et al. **J Biol Chem** 1982 Jun 25;257(12):6662–8
A new species of bound ubisemiquinone anion in QH2: cytochrome c oxidoreductase. de Vries S, et al. **J Biol Chem** 1981 Dec 10;256(23):11996–8
Preservation of ischemic rat liver mitochondrial functions and liver viability with CoQ10. Marubayashi S, et al. **Surgery** 1982 Jun;91(6):631–7
[Intermediators of the Krebs cycle and electron acceptor systems as new cardiac agents] Gatsura VV, et al. **Vestn Akad Med Nauk SSSR** 1982;(5):34–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

The distribution of ubiquinone-10 in phospholipid bilayers. A study using differential scanning calorimetry. Katsikas H, et al. **Eur J Biochem** 1982 May;124(1):165–9
Isoprenoid quinones of the genus Legionella. Karr DE, et al. **J Clin Microbiol** 1982 Jun;15(6):1044–8

BIOSYNTHESIS

The regulation of ubiquinone synthesis in fibroblasts: the effect of modulators of beta-hydroxy-beta-methylglutaryl-coenzyme A reductase activity. Ranganathan S, et al. **Arch Biochem Biophys** 1981 Sep;210(2):592–7
An alternative pathway for the biosynthesis of isoprenoid compounds in bacteria. Pandian S, et al. **Biochem J** 1981 Jun 15;196(3):675–81
Identification of 3,4-dihydroxy-5-hexaprenylbenzoic acid as an intermediate in the biosynthesis of ubiquinone-6 by Saccharomyces cerevisiae. Goewert RR, et al. **Biochemistry** 1981 Jul 7;20(14):4217–23
Identification of 3-methoxy-4-hydroxy-5-hexaprenylbenzoic acid as a new intermediate in ubiquinone biosynthesis by Saccharomyces cerevisiae. Goewert RR, et al. **Biochemistry** 1981 Sep 15; 20(19):5611–6
Interrelationships of ubiquinone and sterol syntheses in cultured cells of neural origin. Volpe JJ, et al. **J Neurochem** 1982 Apr;38(4):931–8
[Alpha-tocopherol and actinomycin D regulation of ubiquinone and protein biosynthesis in rat liver in E-hypovitaminosis] Donchenko GV, et al. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):69–72 (Eng. Abstr.) **(Rus)**
[Effect of vitamin E and actinomycin D on biosynthesis of the isoprenoid part of ubiquinone molecule] Palivoda OM, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):53–5 **(Rus)**

GENETICS

The reconstitution of oxidative phosphorylation in mitochondria isolated from a ubiquinone-deficient mutant of Saccharomyces cerevisiae. De Santis A, et al. **J Bioenerg Biomembr** 1982 Jun;14(3):159–69

ISOLATION & PURIFICATION

Differential extraction and structural specificity of specialized ubiquinone molecules in secondary electron transfer in chromatophores from Rhodopseudomonas sphaeroides, Ga. Baccarini-Melandri A, et al. **Arch Biochem Biophys** 1982 Jul;216(2):566–80
A note on the separation of natural mixtures of bacterial ubiquinones using reverse-phase partition thin-layer chromatography and high performance liquid chromatography. Collins MD, et al. **J Appl Bacteriol** 1981 Aug;51(1):129–34

METABOLISM

Incorporation of ubiquinone homologs into lipid vesicles and mitochondrial membranes. Degli Esposti M, et al. **Arch Biochem Biophys** 1981 Aug;210(1):21–32
Kinetic indication for multiple sites of ubiquinol-1 interaction in ubiquinol-cytochrome c reductase in bovine heart mitochondria. Esposti MD, et al. **Arch Biochem Biophys** 1982 Jul;216(2):727–35
Isolation of QP-C and reconstitution of the QH2-c reductase. Wang T, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):591–6
Study of the protein-ubiquinone interaction in succinate-cytochrome C reductase with azido-ubiquinone derivatives. Yu CA, et al. **Biochem Biophys Res Commun** 1982 Mar 30;105(2):624–31
Enthalpy and volume changes accompanying electron transfer from P-870 to quinones in Rhodopseudomonas sphaeroides reaction centers. Arata H, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):70–81
Studies on reduced and oxidized coenzyme Q (ubiquinones). II. The determination of oxidation-reduction levels of coenzyme Q in mitochondria, microsomes and plasma by high-performance liquid chromatography. Takada M, et al. **Biochim Biophys Acta** 1982 Feb 17;679(2):308–14
On the role of ubiquinone in the respiratory chain. Zhu QS, et al. **Biochim Biophys Acta** 1982 Apr 19;680(1):69–79
Photooxidase system of Rhodospirillum rubrum III. The role of rhodoquinone and ubiquinone in the activity of preparations of chromatophores and photoreaction centers. Gimenez-Gallego G, et al. **Eur J Biochem** 1982 Jan; 121(2):343–7
Lateral diffusion of ubiquinone during electron transfer in phospholipid- and ubiquinone-eariched mitochondrial membranes. Schneider H, et al. **J Biol Chem** 1982 Sep 25; 257(18):10789–93
[Ubiquinone content and the oxidative-reductive enzymatic system activity in the liver of vitamin E-deficient rats administered alpha-tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**

PHARMACODYNAMICS

Effect of hypoxia on acetic acid ulcer of the stomach in rats with or without coenzyme Q10. Kohli Y, et al. **Jpn J Exp Med** 1981 Apr;51(2):105–8
Experimental study on the effect of CoQ-10 administration to isoproterenol-induced cardiomyopathy of rats. Hara H. **Kurume Med J** 1981;28(2):125–35
Possible prevention from the progression of cardiotoxicity in adriamycin-treated rabbits by coenzyme Q10. Usui T, et al. **Toxicol Lett** 1982 Jun;12(1):75–82
Protective effects of alpha-tocopherol and coenzyme Q10 on warm ischemic damages of the rat kidney. Takenaka M, et al. **Transplantation** 1981 Aug;32(2):137–41
[Effects of coenzyme Q10 on ischemic myocardium during aortic cross-clamping for two hours—quantitative analysis of myocardial energy metabolism in LVH dogs (author's transl)] Okamoto F, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jul;29(7):1135–48 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effect of ubiquinone extraction on ubiquinol-1 oxidase activity in beef heart mitochondria. Pasquali P, et al. **J Bioenerg Biomembr** 1981 Aug;13(3–4):141–8

THERAPEUTIC USE

[Myocardial preservation by pretreatment with drugs: experimental study (author's transl)] Matsunaga H. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Nov; 29(11):1776–90 (Eng. Abstr.) **(Jpn)**
[Usefulness of coenzyme Q10 in the treatment of hypertension] Drzewoski J, et al. **Pol Tyg Lek** 1981 Jul 6;36(27):997–1001 (Eng. Abstr.) **(Pol)**
[Efficiency of ubiquinone and p-oxybenzoic acid in prevention of E-hypovitaminosis-induced development of muscular dystrophy] Kuz'menko IV, et al. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):73–9 (Eng. Abstr.) **(Rus)**

UDDER see **MAMMAE**

UDP ACETYLGLUCOSAMINE-2-EPIMERASE see under **CARBOHYDRATE ISOMERASES**

UDP GLUCURONOSYLTRANSFERASE

ANALYSIS

Distribution of UDP-glucuronyltransferase in different human foetal tissues [letter] Pacifici GM, et al. **Br J Clin Pharmacol** 1982 May;13(5):732–5

ANTAGONISTS & INHIBITORS

Differential inhibition by diazepam and nitrazepam of UDP-glucuronyltransferase activities in rats. del Villar E, et al. **Res Commun Chem Pathol Pharmacol** 1981 Sep; 33(3):433–47

BIOSYNTHESIS

Functional heterogeneity of UDP-glucuronosyltransferase activities in C57BL/6 and DBA/2 mice. Bock KW, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1273–7
Differential induction of rat liver microsomal UDP-glucuronosyltransferase activites by various inducing agents. Lilienblum W, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):907–13
Induction of group-1 and group-2 UDP-glucuronosyltransferase in microsomes from the livers of C57 Bl/6 mice. Batt AM, et al. **Toxicol Lett** 1981 Dec;9(4):355–60

DEFICIENCY

Biliary excretion of lopanoic acid in Gunn rats. Barnhart JL, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):172–7

ISOLATION & PURIFICATION

Purification of properties of rabbit liver estrone and p-nitrophenol UDP-glucuronyltransferases. Tukey RH, et

al. **Arch Biochem Biophys** 1981 Jul;209(2):565-78

A procedure for the rapid separation and purification of UDP-glucuronosyltransferases from rabbit liver microsomes. Tukey RH, et al. **Drug Metab Dispos** 1982 Mar-Apr;10(2):97-101

4-Nitrophenol UDPglucuronyltransferase (rat liver). Burchell B, et al. **Methods Enzymol** 1981;77:169-77

Estrone and 4-nitrophenol UDPglucuronyltransferases (rabbit liver). Tukey RH, et al. **Methods Enzymol** 1981; 77:177-88

METABOLISM

Roles of UDP-glucuronosyltransferase in the inactivation of benzo(a)pyrene. Bock KW, et al. **Adv Exp Med Biol** 1981; 136 Pt A:53-73

The prenatal and postnatal development of UDP-glucuronyltransferase activity towards bilirubin and the effect of premature birth on this activity in the human liver. Kawade N, et al. **Biochem J** 1981 Apr 15; 196(1):257-60

Developmental alteration of hepatic UDP-glucuronosyltransferase and sulphotransferase towards androsterone and 4-nitrophenol in Wistar rats. Matsui M, et al. **Biochem J** 1982 May 15;204(2):441-7

Classification and genetic expression of Wistar rats with high and low hepatic microsomal UDP-glucuronosyltransferase activity towards androsterone. Matsui M, et al. **Biochem J** 1982 Jan 15;202(1):171-4

The effect of activators of glucuronyltransferase in the streptozotocin-induced diabetic rat. Morrison MH, et al. **Biochem Pharmacol** 1982 May 15;31(10):1944-6

Influence of drugs on the bilirubin UDP-glucuronyltransferase activity and the concentration of Y and Z acceptor proteins in rat liver. Grimmer I, et al. **Biol Neonate** 1981;40(5-6):218-23

Increased uridine diphosphate-glucuronyltransferase activity in preneoplastic liver nodules and Morris hepatomas. Bock KW, et al. **Cancer Res** 1982 Sep;42(9):3747-52

Maximal biliary secretion of bilirubin in the anaesthetized rat: dependence on UDP-glucuronosyltransferase activity. Van Steenbergen W, et al. **Clin Sci** 1982 May;62(5):521-8

Variations in the glucuronidation rate and in the composition of the endoplasmic reticulum of the wild and semi-domestic reindeer (Rangifer tarandus). Laitinen M, et al. **Comp Biochem Physiol [B]** 1982;71(3):527-30

UDP-glucuronosyltransferase activity of cultured cells in situ and in vitro. Singh J, et al. **Dev Toxicol Environ Sci** 1980; 8:497-500

Inhibition of morphine glucuronidation by oxazepam in human fetal liver microsomes. Pacifici GM, et al. **Drug Metab Dispos** 1981 Nov-Dec;9(6):569-72

Glucuronidation of propranolol and 4'-hydroxypropranolol. Substrate specificity and stereoselectivity of rat liver microsomal glucuronyltransferases. Thompson JA, et al. **Drug Metab Dispos** 1981 Sep-Oct;9(5):466-71

A rat liver microsomal carboxyesterase and a bilirubin UDP-glucuronyl transferase are responsible for the formation of bilirubin glucuronides from bilirubin dimethyl ester. Burchell B, et al. **FEBS Lett** 1981 Dec 7;135(2):304-8

The presence of a microsomal UDP-glucuronyl transferase for bilirubin in homozygous jaundiced Gunn rats and in the Crigler-Najjar syndrome. Odell GB, et al. **Hepatology** 1981 Jul-Aug;1(4):307-15

The discovery of a lipid-linked glucuronide and its synthesis by chicken liver. Cummings RD, et al. **J Biol Chem** 1982 Feb 25;257(4):1755-64

Isolation and characterization of rat liver microsomal UDP-glucuronosyltransferase activity toward chenodeoxycholic acid and testosterone as a single form of enzyme. Matern H, et al. **J Biol Chem** 1982 Jul 10; 257(13):7422-9

The nuclear envelope as a site of glucuronyltransferase in rat liver: properties of and effect of inducers on enzyme activity. Elmamlouk TH, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):27-34

Assays for UDPglucuronyltransferase activities. Dutton GJ, et al. **Methods Enzymol** 1981;77:383-91

On the functional heterogeneity of UDP-glucuronyl transferase of mouse liver microsomes. Bansal SK, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):291-302

Effects of detergents and organic solvents on rat liver microsomal UDP-glucuronosyltransferase activity towards phenolic substrates. Iiling HP, et al. **Xenobiotica** 1981 Oct; 11(10):709-18

Substrate specificity of human UDP-glucuronyltransferase in cultured lymphocytes. Li HC, et al. **Xenobiotica** 1981 Oct;11(10):647-54

UDP SUGARS see **URIDINE DIPHOSPHATE SUGARS**

ULCER

see related
CORNEAL ULCER
PEPTIC ULCER
SKIN ULCER

CHEMICALLY INDUCED

Doxycycline-induced esophageal ulcer: value of Lugol's solution vital staining [letter] Papazian A, et al. **Gastrointest Endosc** 1981 Aug;27(3):201

Fixed drug eruption from chlorphenesin carbamate [letter] Coskey RJ. **JAMA** 1982 Jul 2;248(1):30-1

[Esophageal ulcer caused by emepronium bromide] Mørck HI, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):623 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Heterozygous beta thalassemia with an intermediate severity: (a report of 11 cases). Mehta BC, et al. **J Postgrad Med** 1981 Oct;27(4):235-9

Two unusual causes of massive colonic bleeding [clinical conference] Wilkinson AE. **S Afr J Surg** 1981 Dec; 19(4):257

DIAGNOSIS

Diagnosis and management of nonspecific colon ulcer. Ona FV, et al. **Arch Surg** 1982 Jul;117(7):888-94

Benign ulcer of the cecum. Au FC, et al. **Dis Colon Rectum** 1981 Sep;24(6):476-7

[Benign solitary ulcer in rectum] Nilsson T, et al. **Ugeskr Laeger** 1982 Apr 26;144(17):1210-1 (Eng. Abstr.) **(Dan)**

[Ulcers of esophagus and esophageal anastomoses] Kharitonov LG. **Khirurgiia (Mosk)** 1981 Sep;(9):8-13 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Vitamin E [letter] Grant PD. **Can Med Assoc J** 1982 May 15;126(10):1153

Leg ulcer healing induced by prostaglandin E1 recorded with stereophotogrammetry. Eklund AE, et al. **Prog Lipid Res** 1981;20:479-84

[Favorable role of a local therapeutic agent (Dextranomer or Debrisan) in the preparation of leprous plantar perforating ulcers for surgery] Boucher P, et al. **Acta Leprol (Geneve)** 1981 Oct-Dec;85:99-104 **(Fre)**

[Clinical experiences with orgotein in urologic diseases] Frick J, et al. **Eur J Rheumatol Inflamm** 1981;4(2):260-3 (Eng. Abstr.) **(Ger)**

[Solitary ulcer of the rectum] Giudice A. **Chir Ital** 1982 Apr; 34(2):262-72 (18 ref.) (Eng. Abstr.) **(Ita)**

ETIOLOGY

Severe skin damage from EKG electrodes [letter] Chandra P. **Anesthesiology** 1982 Feb;56(2):157-8

Solitary ulcer of the rectum [letter] White CM, et al. **Br J Surg** 1981 Aug;68(8):597

Ulceration in the neurotrophic foot of Hansen's disease. Jones RO. **J Am Podiatry Assoc** 1982 Jun;72(6):299-303

Ulcer of the hard palate. Brooks BJ Jr, et al. **JAMA** 1982 Feb 12;247(6):819-20

[Neurotrophic facial ulcers in trigeminal lesions. Diagnosis, etiology, differential diagnosis in 2 representative case reports] Schirner A. **MMW** 1982 May 14;124(19):468-70 **(Ger)**

[A case of Behçet's disease with predominantly genital localization] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul-Aug; 102(4):248-51 **(Ita)**

MICROBIOLOGY

Genital ulcers in Kenya. Clinical and laboratory study. Nsanze H, et al. **Br J Vener Dis** 1981 Dec;57(6):378-81

OCCURRENCE

Chronic lip fissures. Prevalence, pathology and treatment. Axéll T, et al. **Int J Oral Surg** 1981 Oct;10(5):354-8

PATHOLOGY

'Transitional' and hyperplastic-metaplastic mucosa occurring in solitary ulcer of the rectum. Franzin G, et al. **Histopathology** 1981 Sep;5(5):527-33

[The 'solitary rectum ulcer'] Meister P, et al. **Pathologe** 1982 Jul;3(4):223-5 **(Ger)**

[Early radiologic diagnosis of coxarthrosis. Relation between the cartilage lesion and femur head osteophytosis (including the so-called plaque sign)] Lingg G, et al. **Z Rheumatol** 1982 Mar-Apr;41(2):57-62 (Eng. Abstr.) **(Ger)**

[Scanning electron microscopic studies on the experimental ulcer of the rat small intestine. I. Micro-angiological observation on the healing process of the small intestinal ulcer by the injection replica scanning electron microscope method (author's transl)] Yamada J. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr;78(4):831-40 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiological diagnosis of carotid ulceration. Lane RJ, et al. **Aust NZ J Surg** 1982 Apr;52(2):168-70

[A non-specific simple ulcer of the colon (author's transl)] Nakamura K, et al. **Rinsho Hoshasen** 1982 Mar;27(3):387-9 (Eng. Abstr.) **(Jpn)**

VETERINARY

Serial endoscopic observation of swine gastroesophageal ulceration induced by injection of a histamine-oil-beeswax mixture. **Kokue E, et al. Am J Vet Res** 1981 Oct; 42(10):1807-10

Equine ulcerative lymphangitis caused by Pasteurella hemolytica (2 case reports). Miller RM, et al. **VM SAC** 1981 Sep;76(9):1335-8

ULCER, APHTHOUS see **STOMATITIS, APHTHOUS**

ULNA

Septic and aseptic olecranon bursitis in patients on maintenance hemodialysis. Jain VK, et al. **Clin Exp Dial Apheresis** 1981;5(4):405-14

Giant cell tumor associated with trauma. Langer F, et al. **Clin Orthop** 1982 Apr;(164):245-8

Traumatic epidermoid cyst of the ulna. Report of a case. Mollan RA, et al. **J Bone Joint Surg [Br]** 1982;64(4):456-7

ABNORMALITIES

A local outbreak of femoral hypoplasia or aplasia and femoral fibula-ulnar-complex. Robert JM, et al. **J Genet Hum** 1981 Dec;29(4):379-94

Ulnar dimelia in a calf. Ueshima T, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):351-7

[Radioulnar synostosis as characteristic feature of chromosome aberrations (author's transl)] Küsswetter W, et al. **Z Orthop** 1981 Feb;119(1):10-3 (Eng. Abstr.) **(Ger)**

[Congenital ulnar and digital aplasia with elbow dislocation (author's transl)] Arany L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):313-5 **(Hun)**

[Clinico-radiological study of congenital radio ulnar synostosis] Luna E, et al. **Chir Ital** 1981 Apr;33(2):626-34 **(Ita)**

ANALYSIS

[Bone mineral measurement by radiographic method. I. Method and normal ulna bone mineral measurement (author's transl)] Lian ZC. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):32-5 **(Chi)**

ANATOMY & HISTOLOGY

Form and function of radioulnar articular disc. Mohiuddin A, et al. **Hand** 1982 Feb;14(1):61-6

BLOOD SUPPLY

Communicating cartilage canals of the physis of the distal part of the ulna of growing swine and their potential role in healing of metaphyseal dysplasia of osteochondrosis. Kincaid SA, et al. **Am J Vet Res** 1982 Jun;43(6):938-44

[Ulnar artery thrombosis. A field for microsurgical treatment] Reumert T, et al. **Ugeskr Laeger** 1982 Apr 26; 144(17):1215-7 (Eng. Abstr.) **(Dan)**

GROWTH & DEVELOPMENT

Postnatal morphogenesis of the anconeal process of the ulna of swine. Kincaid SA, et al. **Am J Vet Res** 1981 Dec; 42(12):2158-61

INJURIES

Fracture of the head of the radius with ulnar displacement of separated fragments. Eid AM. **Injury** 1982 Mar; 13(5):395-9

Unstable fracture-dislocations of the forearm (Monteggia and Galeazzi lesions). Reckling FW. **J Bone Joint Surg [Am]** 1982 Jul;64(6):857-63

A quantitative evaluation of thumb function after ulnar collateral repair and reconstruction. Osterman AL, et al. **J Trauma** 1981 Oct;21(10):854-61

PATHOLOGY

Retardation of endochondral ossification at the distal ulnar growth plate in dogs. Johnson KA. **Aust Vet J** 1981 Oct; 57(10):474-8

Chronic hypertrophy of the ulna in the professional rodeo cowboy. Claussen BF. **Clin Orthop** 1982 Apr;(164):45-47

PHYSIOLOGY

Forces in the metacarpophalangeal joint due to elevated fluid pressure--analysis, measurements and relevance to ulnar drift. James DF, et al. **J Biomech** 1982;15(2):73-84

RADIOGRAPHY

Ulnar variance--the effect of wrist positioning and roentgen filming technique. Epner RA, et al. **J Hand Surg** 1982 May; 7(3):298-305

Radiology of postnatal skeletal development. IV. Distal radius and ulna. Ogden JA, et al. **Skeletal Radiol** 1981; 6(4):255-66

SURGERY

Habitual anterior subluxation of the head of the ulna treated by Baldwin's operation. A case report. Thomas TL, et al. **Hand** 1982 Feb;14(1):67-70

Lateral approach to the canine elbow by proximal ulnar diaphyseal osteotomy. Lenehan TM, et al.

J Am Vet Med Assoc 1982 Mar 1;180(5):523–30
Ulnar lengthening in the treatment of Kienböck's disease. Armistead RB, et al. **J Bone Joint Surg [Am]** 1982 Feb; 64(2):170–8
Rupture of digital extensor tendons following distal ulnar resection. Newmeyer WL, et al.
J Bone Joint Surg [Am] 1982 Feb;64(2):178–82
Distal ulnar translocation in the treatment of giant-cell tumors of the distal end of the radius. Seradge H.
J Bone Joint Surg [Am] 1982 Jan;64–A(1):67–73
Congenital pseudarthrosis of the forearm–two cases treated by free vascularized fibular graft. Allieu Y, et al.
J Hand Surg 1981 Sep;6(5):475–81
Ulnotriquetral augmentation tenodesis: a reconstructive procedure for dorsal subluxation of the distal radioulnar joint. Hui FC, et al. **J Hand Surg** 1982 May;7(3):230–6
Centralization of the radial club hand: an ulnar surgical approach. Manske PR, et al. **J Hand Surg** 1981 Sep; 6(5):423–33
Bridging of large chronic osteoperiosteal gaps by allogeneic decalcified bone matrix implants in rabbits. Tuli SM, et al. **J Trauma** 1981 Oct;21(10):894–8
[Surgical approach to the ulnar coronoid process by the postero-medial route (author's transl)] Masquelet AC, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2821–3 (Eng. Abstr.) **(Fre)**
[Persistent luxations of the radial head in children after Monteggia fractures (author's transl)] Wieser R, et al.
Orthopade 1981 Sep;10(4):307–10 **(Ger)**
[The supinator syndrome in the sequelae of obstetric paralysis. Rotational osteotomy of the radius with a compression plate] Manetta F, et al. **Chir Organi Mov** 1978 Nov–Dec;64(6):641–4 **(Ita)**

ULNA FRACTURES

COMPLICATIONS

Wound botulism in pediatrics. Keller MA, et al.
Am J Dis Child 1982 Apr;136(4):320–2
An unusual sequel of growth plate injury. King JB.
Med Sci Law 1981 Jul;21(3):204–6
[Case of anaerobic infection after trauma in a child] Stetsenko NM. **Klin Khir** 1981 Dec;(12):49–50 **(Rus)**

ETIOLOGY

[Experimental studies on the mechanism of forearm bone shaft fractures] Tuszyński W.
Chir Narzadow Ruchu Ortop Pol 1981;46(4):321–4 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

The effect on supination–pronation of angular malalignment of fractures of both bones of the forearm. Matthews LS, et al. **J Bone Joint Surg [Am]** 1982 Jan;64–A(1):14–7
Malunited fractures of the forearm in children. Fuller DJ, et al. **J Bone Joint Surg [Br]** 1982;64(3):364–7
[Combined fracture–dislocation of both bones of the forearm at the elbow (author's transl)] Marotte JH, et al.
Rev Chir Orthop 1982;68(2):103–14 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Scintigraphy in acute plastic bowing of the forearm. Miller JH, et al. **Radiology** 1982 Mar;142(3):742

SURGERY

Non-sliding pins in traction absorbing wiring of fractures: a modified technique. Netz P, et al. **Acta Orthop Scand** 1982 Jun;53(3):355–60
Intramedullary osteosynthesis in fractures of the upper limb. Sgarbi G, et al. **Ital J Orthop Traumatol** 1981 Apr;7(1):41–7
Unstable fracture-dislocations of the forearm (Monteggia and Galeazzi lesions). Reckling FW.
J Bone Joint Surg [Am] 1982 Jul;64(6):857–63
Irreducible radiocarpal fracture-dislocation and radioulnar dissociation with entrapment of the ulnar nerve, artery and flexor profundus II–V–case report. Fernandez DL.
J Hand Surg 1981 Sep;6(5):456–61
[Forearm fracture in adults] Solgaard S, et al.
Ugeskr Laeger 1981 Oct 12;143(42):2738–40 (Eng. Abstr.) **(Dan)**
[Late effects after elbow injuries in children and adolescents–cause, primary treatment (author's transl)] von Laer L. **Orthopade** 1981 Sep;10(4):264–73 **(Ger)**
[Persistent luxations of the radial head in children after Monteggia fractures (author's transl)] Wieser R, et al.
Orthopade 1981 Sep;10(4):307–10 **(Ger)**
[Treatment of fractures of the forearm in adults; present state (author's transl)] Welz K, et al. **Zentralbl Chir** 1981; 106(13):849–61 (Eng. Abstr.) **(Ger)**
[Therapeutic considerations in recent Monteggia lesions] Gaudenzi A, et al. **Arch Putti Chir Organi Mov** 1980; 30:191–8 (Eng. Abstr.) **(Ita)**
[Fracture of the coronoid apophysis of the ulna. Surgical treatment] Crescente D, et al. **Chir Organi Mov** 1981; 66(2):271–4 **(Ita)**
[The problem of joint function in Monteggia fracture-dislocations] Gualtieri I. **Chir Organi Mov** 1979 Sep–Oct;65(5):575–8 (Eng. Abstr.) **(Ita)**
[Simultaneous fracture of the olecranon and radial head] Matwin B. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(5):503–7 (Eng. Abstr.) **(Pol)**
[Experimental studies on the stabilization of bone fragments in fractures of the forearm bone shafts] Tuszyński W.
Chir Narzadow Ruchu Ortop Pol 1981;46(5):441–4 (Eng. Abstr.) **(Pol)**

THERAPY

Traumatic bowing of the forearm in an adult. Greene WB.
Clin Orthop 1982 Aug;(168):31–4
Midshaft fractures of forearm bones in children. Alpar EK, et al. **Injury** 1981 Sep;13(2):153–8
Fracture of the shaft of ulna and radius with associated dislocation of the radial head. Barquet A, et al. **Injury** 1981 May;12(6):471–6
[The treatment of forearm-fractures in adults (author's transl)] Rabenseifner L. **Aktuel Traumatol** 1980 Dec; 10(6):317–26 (Eng. Abstr.) **(Ger)**
[Treatment and late results of 105 consecutive olecranon fractures (author's transl)] Meier W. **Orthopade** 1981 Sep; 10(4):291–6 **(Ger)**

VETERINARY

Internal fixation of fractures of the ulna in the horse. McGill CA, et al. **Aust Vet J** 1982 Mar;58(3):101–4
Neutralization bone-plating repair of a fractured radius and ulna in a lynx. A case report. Braut T, et al.
Nord Vet Med 1981 Jun–Aug;33(6–8):374–6

ULNAR NERVE

Treatment of cubital tunnel syndrome by means of local administration of corticosteroids. I. Short-term follow-up. Pechan J, et al. **Acta Univ Carol [Med] (Praha)** 1980; 26(3–4):125–33
Treatment of cubital tunnel syndrome by means of local administration of cortisonoids. II. Long-term follow-up. Pechan J, et al. **Acta Univ Carol [Med] (Praha)** 1980; 26(3–4):135–40
Primitive neuroectodermal tumor arising in the ulnar nerve. A case report. Samuel AW. **Clin Orthop** 1982 Jul; (167):236–8
Tardy ulnar nerve palsy associated with the isolated dislocation of the head of the radius. Takebe K, et al.
Clin Orthop 1982 Jul;(167):260–6
Ulnar nerve palsy as a complication of synovial osteochondromatosis of the elbow. Fahmy NR, et al.
Hand 1981 Oct;13(3):308–10
Bipartite hamulus with ulnar tunnel syndrome--case report and literature review. Greene MH, et al. **J Hand Surg** 1981 Nov;6(6):605–9 (29 ref.)
Ulnar nerve entrapment at the elbow by persistent epitrochleoanconeus muscle. Case report. Gessini L, et al.
J Neurosurg 1981 Nov;55(5):830–1
Postoperative ulnar neuropathy [letter] Mawk JR, et al.
JAMA 1981 Dec 18;246(24):2806–7
Peripheral nerve entrapment syndromes in chronic hemodialysis patients. Delmez JA, et al. **Nephron** 1982; 30(2):118–23
Paralysis of the ulnar nerve at the wrist associated with aneurysmal dilatation of the ulnar artery. Benfenati A, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):207–8
Ulnar artery thrombosis and ulnar nerve compression associated with an anomalous hypothenar muscle. Weeks PM, et al. **Plast Reconstr Surg** 1982 Jan;69(1):130–1
Radial, median, and ulnar nerve dysfunction associated with a congenital constricting band of the arm. Weeks PM.
Plast Reconstr Surg 1982 Feb;69(2):333–6
Ulnar palsy caused by synovial chondromatosis. Lister JR, et al. **Surg Neurol** 1981 Jun;15(6):428–30
[Surgery of the traumatic denervation syndrome of the cubital canal (author's transl)] Tabakov D.
Acta Chir Orthop Traumatol Cech 1981 Jun;48(3):242–50 (Eng. Abstr.) **(Cze)**
[Causes of the cubital tunnel denervation syndrome and its surgical treatment] Tabakov D.
Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1981;24(4):541–50 (Eng. Abstr.) **(Cze)**
[Paralysis in bicyclists] Falck B, et al. **Duodecim** 1982; 98(1):44–8 (Eng. Abstr.) **(Fin)**
[Differential diagnosis of soft tissue tumors of the palm: cirsoid aneurysm of the ulnar artery] Helbig B, et al.
Handchirurgie 1981;13(3–4):305–6 (Eng. Abstr.) **(Ger)**
[ulnar nerve neuropathy at the epitrochlear sulcus] Catalano F, et al. **Arch Putti Chir Organi Mov** 1980;30:143–53 (Eng. Abstr.) **(Ita)**
[Recurrent dislocation of the ulnar nerve at the elbow (an unusual non-traumatic case)] Gemmati U, et al.
Chir Organi Mov 1981 May–Jun;66(3):411–4 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

[Anastomosis between the median nerve and the cubital nerve in electromyography procedures in man] Duron B, et al.
Electrodiagn Ther 1980;17(4):247–60 **(Fre)**
[Medio-cubital anastomosis in the forearm (author's transl)] Ropert A, et al.
Rev Electroencephalogr Neurophysiol Clin 1981 Nov; 11(2):191–5 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Location of median and ulnar motornuclei in the cat. Fritz N, et al. **Neurosci Lett** 1982 May 28;30(2):103–8

CYTOLOGY

Cultures enriched in Schwann-like cells from dissociated nerve segments of the adult cat. Wrathall JR, et al.
Brain Res 1981 Nov 9;224(1):218–23

INJURIES

Recurrent dislocation of the elbow accompanied by ulnar neuropathy: a case report and review of the literature. Malkawi H. **Clin Orthop** 1981 Nov–Dec;(161):270–4
Interfascicular suture with nerve autografts for median, ulnar and radial nerve lesions. Pluchino F, et al.
Ital J Neurol Sci 1981 May;2(2):139–46
Anatomy of backpack-strap injury [letter] Johnson RJ.
N Engl J Med 1981 Dec 24;305(26):1594
[Late results of connection operations on traumatically damaged nerves] Kredba J, et al. **Zentralbl Neurochir** 1982; 43(1):11–24 (Eng. Abstr.) **(Ger)**
[The substitution of intrinsic muscle function with modified Zancolli procedure (author's transl)] Kovácsy A, et al.
Magy Traumatol Orthop Helyreallito Sebesz 1982; 25(1):37–43 **(Hun)**
[Homogeneous (allogenic) peripheral nerve graft] Czochra M, et al. **Pol Tyg Lek** 1981 Aug 17;36(33):1269–72 (Eng. Abstr.) **(Pol)**
[Cubital nerve injuries in shoe-stitching workers: medico-social approach] Renck LA. **Arq Neuropsiquiatr** 1981 Dec;39(4):363–75 (Eng. Abstr.) **(Por)**

PATHOLOGY

Nerve abscess in lepromatous leprosy. Malaviya GN, et al.
Lepr India 1982 Jan;54(1):123–9

PHYSIOLOGY

Sensory nerve conduction velocity of cutaneous afferents of the radial, ulnar, peroneal, and tibial nerves of the dog: reference values. Redding RW, et al. **Am J Vet Res** 1982 Mar;43(3):517–21
Axillary F-loop latency of ulnar nerve in normal young adults. Hong CZ, et al. **Arch Phys Med Rehabil** 1981 Nov; 62(11):565–9
Motor nerve conduction studies in the median and ulnar nerves in old adults over 80 years of age. Konishi H.
Nippon Seikeigeka Gakkai Zasshi 1982 Apr;56(4):305–20
[Neurogram of the ulnar nerve. Electroneurographic studies in healthy subjects] Kredba J, et al.
Fysiatr Reumatol Vestn 1981 Dec;59(6):360–8 (Eng. Abstr.) **(Cze)**
[The F response of the cubital nerve] Bodros A, et al.
Electrodiagn Ther 1981;18(4):141–9 **(Fre)**
[Peripheral nerve conduction in workers of the cadmium division of non-iron metallurgical plants] Musiol A, et al.
Pol Tyg Lek 1981 Aug 3;36(31):1181–2 (Eng. Abstr.) **(Pol)**
[Nature and dynamics of spontaneous decurarization with d-tubocurarine as a muscle relaxant] Stoianov E, et al.
Anesteziol Reanimatol 1981 Jul–Aug;(4):39–41 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Ulnar F-wave conduction velocity in epidural metastatic root lesions. Ongerboer de Visser BW, et al.
Ann Neurol 1982 Feb;11(2):142–6
Dorsal cutaneous ulnar nerve conduction [letter] Radoff FM.
Arch Neurol 1982 Jan;39(1):67–8
Extraneural pressures affecting the ulnar nerve at the elbow. Macnicol MF. **Hand** 1982 Feb;14(1):5–11
Nerve conduction studies and sensibility testing in carpal tunnel syndrome. Spindler HA, et al. **J Hand Surg** 1982 May;7(3):260–3
Sensory conduction in the syndrome of Guyon's tunnel. Hacke W. **J Neurol** 1981;226(3):195–8
Compression syndromes at wrist. Precise diagnostic procedures. Fleck H, et al. **NY State J Med** 1982 Feb; 82(2):180–2
[The effect of hypoxia on peripheral motor nerve (n. ulnaris) latencies in alcoholic polyneuropathies] Blažević A.
Med Arh 1981;35(4):181–90 (Eng. Abstr.) **(Scr)**

SURGERY

Surgical management of leprous ulnar neuritis. Kumar K.
Clin Orthop 1982 Mar;(163):235–42
Superficial anterior transposition of the ulnar nerve at the elbow for ulnar neuritis. Richmond JC, et al.
Clin Orthop 1982 Apr;(164):42–4
Compression of the distal ulnar nerve with clawing of the index finger. Packer NP, et al. **Hand** 1982 Feb;14(1):38–40
Ulnar nerve compression secondary to ulnar artery false aneurysm at the Guyon's canal. Kalisman M, et al.
J Hand Surg 1982 Mar;7(2):137–9
Anterior submuscular transposition of the ulnar nerves by the Learmonth technique. Leffert RD. **J Hand Surg** 1982 Mar;7(2):147–55
Simple decompression and occasional microsurgical epineurolysis under local anesthesia as treatment for ulnar neuropathy at the elbow. Lavyne MH, et al.
Neurosurgery 1982 Jul;11(1 Pt 1):6–11
Lipofibromatous hamartoma of median nerve and ulnar nerve: surgical treatment. Paletta FX, et al.

Plast Reconstr Surg 1981 Dec;68(6):915–21

Cubital tunnel denervation syndrome. Tabakov D. **Zentralbl Neurochir** 1982;43(1):51–62

[Compressive pathology of ulnar nerve. Thirty seven cases reported (author's transl)] Latil F, et al. **Ann Chir** 1981 Nov;35(9 Pt 2):793–7 (Eng. Abstr.) **(Fre)**

[Compressive pathology of ulnar nerve. Thirty seven cases reported (author's transl)] Latil F, et al. **Sem Hop Paris** 1982 May 6;58(18):1113–7 (Eng. Abstr.) **(Fre)**

[Serial electromyographic study of 11 cases of neurotmesis of the mixed nerve trunks at the wrist treated with fascicular neurorrhaphy, using the Gosse method] Magrotti E, et al. **Riv Neurol** 1981 Sep-Oct;51(5):274–86 (Eng. Abstr.) **(Ita)**

ULTIMOBRANCHIAL BODY

see related
CALCITONIN

[Ultimobranchial cysts in goitrous thyroids of sheep at high altitude] Kochubei NM. **Arkh Patol** 1982;44(4):57–60 (Eng. Abstr.) **(Rus)**

ANALYSIS

Identification of both human and salmon calcitonin-like molecules in birds suggesting the existence of two calcitonin genes. Perez Cano R, et al. **J Endocrinol** 1982 Mar;92(3):351–5

METABOLISM

A human calcitonin-like molecule in the ultimobranchial body of the amphibia (Rana pipiens). Perez-Cano R, et al. **Experientia** 1981 Oct 15;37(10):1116–8

PHYSIOLOGY

Urine calcium concentrations in bullfrog tadpoles kept in tap water or high calcium environment, with special reference to ultimobranchialectomy. Sasayama Y, et al. **Comp Biochem Physiol [A]** 1982;71(2):309–11

Relative physiological activity of calcitonin in the thyroid and ultimobranchial glands of the pigeon, Columba livia Gmelin. Kapoor AS, et al. **Gen Comp Endocrinol** 1981 Jul; 44(3):307–13

ULTRACENTRIFUGATION

Digitization of sedimentation equilibrium and velocity data for analysis by minicomputer. Holzman TF, et al. **Anal Biochem** 1982 Jan 1;119(1):62–72

A general method for studying homogeneous and/or heterogeneous associations by sedimentation equilibrium. Tindall SH, et al. **Anal Biochem** 1982 Feb;120(1):71–84

Analysis of data from the analytical ultracentrifuge by nonlinear least-squares techniques. Johnson ML, et al. **Biophys J** 1981 Dec;36(3):575–88

Improved detection of viruses by electron microscopy after direct ultracentrifuge preparation of specimens. Hammond GW, et al. **J Clin Microbiol** 1981 Aug;14(2):210–21

Theory of sedimentation for antigen-antibody reactions: effect of antibody heterogeneity on the shape of the pattern. Cann JR. **Mol Immunol** 1982 Apr;19(4):505–14

[Measurement of lipids in each lipoprotein fraction by ultracentrifuge method - clinical significance (author's transl)] Makise J, et al. **Rinsho Byori** 1981;29(10):1048–52 **(Jpn)**

INSTRUMENTATION

Differential interferometry in the analytical ultracentrifuge. I. Design, construction, and alignment of differential ir erferometer. Kondo T, et al. **Anal Biochem** 1981 Nov 1;117(2):366–73

An assessment of vertical rotors. Rickwood D. **Anal Biochem** 1982 May 1;122(1):33–40

An improved micromethod for determination of cholesterol in serum very-low-density lipoproteins by the Beckman Airfuge. Strobl W, et al. **Clin Chim Acta** 1982 May 20; 121(2):271–6

[Method of generating pressure in ultracentrifugation] Khokholev LS, et al. **Lab Delo** 1982;(5):314–5 **(Rus)**

METHODS

An 'all-speed' autocalibration method for sedimentation equilibrium in dilute homogeneous and multicomponent solution. II. Determination of molecular weights of proteins. Chernyak VY, et al. **Anal Biochem** 1982 Jun; 123(1):110–9

An 'all-speed' autocalibration method for sedimentation equilibrium in dilute homogeneous and multicomponent solutions. I. Theory, a computation scheme, and verification by computer-simulated experiments. Chernyak VY, et al. **Anal Biochem** 1982 Jun;123(1):101–9

Differential interferometry in the analytical ultracentrifuge. II. General applications. Kondo T, et al. **Anal Biochem** 1981 Nov 1;117(2):374–81

Studies on 125I-labeled proteins in rat plasma using an air-driven ultracentrifuge: protein-protein interactions and nonideality. Howlett GJ, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):309–18

A micro-method for the rapid ultracentrifugal separation of human plasma high density lipoprotein subfractions, HDL2 and HDL3. Eyre J, et al. **Clin Chim Acta** 1981 Aug 10; 114(2–3):225–31

Lipoprotein classification by analytical ultracentrifugation. Bickerstaffe R, et al. **Pathology** 1982 Apr;14(2):165–71

General solution to the inverse problem of the differential equation of the ultracentrifuge. Todd GP, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6739–43

[Measurement of lipids in each lipoprotein fraction by ultracentrifuge method-methodological study (author's transl)] Makise J, et al. **Rinsho Byori** 1981 Sep;29(9):934–8 **(Jpn)**

[New method of isolating subcellular structures of the strain Penicillium chrysogenum PQ-66] Kurzątkowski W. **Med Dosw Mikrobiol** 1981;33(1):1–14 (Eng. Abstr.) **(Pol)**

[High-speed centrifugation of rotated micelles in an organic solvent: a new approach to the determination of protein molecular weight] Levashov AV, et al. **Dokl Akad Nauk SSSR** 1981;259(2):485–8 **(Rus)**

[Use of differential ultracentrifugation for isolating the subcellular components of Mycobacterium tuberculosis] Romanova RIu. **Probl Tuberk** 1981 Jul;(7):54–6 (Eng. Abstr.) **(Rus)**

ULTRAFILTRATION

see related
MICROPORE FILTERS

Dialysability of benzodiazepines by haemodialysis and controlled sequential ultrafiltration (CSU) in vitro. Balogh A, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep; 49(3):174–80

Overview of renal assist systems. Smith JW. **Ann Biomed Eng** 1980;8(4–6):473–86

Studies of carbohydrate metabolism after hemodialysis and hemofiltration in uremic patients. Geronemus R, et al. **Arch Intern Med** 1982 Apr;142(4):707–10

Hemodynamic effects of hemodialysis and hemofiltration. Chaignon M, et al. **Artif Organs** 1982 Feb;6(1):27–30

The effect of hemofiltration on fiber platelet concentration. Drake KL, et al. **Artif Organs** 1981 Nov;5(4):363–71

Dialyzer ultrafiltration coefficients: comparison between in vitro and in vivo values. Keshaviah PR, et al. **Artif Organs** 1982 Feb;6(1):23–6

How to catch urea? Considerations on urea removal from hemofiltrate. Lehmann HD, et al. **Artif Organs** 1981 Aug; 5(3):278–85

Urea elimination using a cold activated-carbon artificial tubulus for hemofiltration. Lehmann HD, et al. **Artif Organs** 1981 Nov;5(4):351–6

Effect of moisture on and kinetic features of the ultrafiltration rate of dialysis membrane. Sato H, et al. **Artif Organs** 1981 Aug;5(3):286–9

Haemofiltration for profound dialysis-induced hypotension: removal of sodium and water without blood-pressure change. Davison AM, et al. **Br Med J [Clin Res]** 1982 Jul 10;285(6335):87–9

Haemofiltration for profound dialysis-induced hypotension: removal of sodium and water without blood-pressure change. Greenwood RN, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):511–2

Postheparin lipolytic activity in uremic patients treated by hemofiltration. Di Giulio S, et al. **Contrib Nephrol** 1982; 29:143–8

A one-dimensional model of simultaneous hemodialysis and ultrafiltration with highly permeable membranes. Jaffrin MY, et al. **J Biomech Eng** 1981 Nov;103(4):261–6

Whole blood filtration [letter] Dormandy JA, et al. **J Clin Pathol** 1981 Aug;34(8):938–9

An hypothesis to explain the ultrafiltration characteristics of peritoneal dialysis. Nolph KD, et al. **Kidney Int** 1981 Nov;20(5):543–8

Changes in plasma oncotic pressure during isolated ultrafiltration. Rodriguez M, et al. **Kidney Int** 1982 Mar; 21(3):519–23

Is blood urea nitrogen as good a guide for hemofiltration as for hemodialysis? [letter] De Fremont JF, et al. **N Engl J Med** 1982 Oct 14;307(16):1025–6

Echocardiographic hemodynamic study during ultrafiltration sequential dialysis. Cini G, et al. **Nephron** 1982;30(2):124–30

Ascitic ultrafiltration. Treatment for intractable congestive cardiomyopathy. Hariprasad MK, et al. **NY State J Med** 1982 Jan;82(1):28–9

How to prevent vascular instability: haemofiltration. Quellhorst E, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:243–9

International symposium on filterability and red blood cell deformability. Göteborg, Sweden. 11–12–13 September 1980. **Scand J Clin Lab Invest [Suppl]** 1981;156:1–332

Haematological and general factors influencing sieving. A general and prospective review. Boisseau MR. **Scand J Clin Lab Invest [Suppl]** 1981;156:41–7

Filterability and red cell deformability: welcome address. Brånemark PI. **Scand J Clin Lab Invest [Suppl]** 1981;156:1–5

Filterability and other methods of approaching red cell deformability. Determinants of blood viscosity and red cell deformability. Chien S. **Scand J Clin Lab Invest [Suppl]** 1981;156:7–12

Dynamics of erythrocyte motion in filtration tests and in vivo flow. Cokelet GR. **Scand J Clin Lab Invest [Suppl]** 1981; 156:77–82

Filterability in children. Delobel J, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:49–51

Evaluation of a simplified filtration technique for the routine measurement of erythrocyte deformability. Leblond PF, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:35–40

Forces between membranes approaching contact. Parsegian VA. **Scand J Clin Lab Invest [Suppl]** 1981;156:89–94 (22 ref.)

Ultrafiltration during open-heart surgery in chronic renal failure. Intonti F, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(2):217–20

Comparison of filtration leukapheresis and centrifugation leukapheresis in treatment of lymphosarcoma cell leukemia. Amrein PC, et al. **South Med J** 1982 Aug;75(8):969–71

Transvenous vena caval filtration and pulmonary embolectomy. Stewart JR, et al. **Surg Clin North Am** 1982 Jun;62(3):411–30

[Progress in hemofiltration research (author's transl)] Zhang X. **Chung Hua Nei Ko Tsa Chih** 1981 Jul;20(7):439–42 **(Chi)**

[Erythropoiesis inhibitors removed by hemofiltration in renal insufficiency (author's transl)] Andreux JP, et al. **Ann Pharm Fr** 1981;39(4):319–26 (Eng. Abstr.) **(Fre)**

[Kinetics of ultrafiltration in peritoneal dialysis with long dialysate dwell: an 'in situ' study (author's transl)] Canaud B, et al. **Nephrologie** 1980;1(3):126–32 (Eng. Abstr.) **(Fre)**

[Hemodynamic studies in chronic terminal renal insufficiency--Effects of hemodialysis (Hd), hemofiltration (Hf) and ultrafiltration (Uf) procedures (author's transl)] Jahn H, et al. **Nephrologie** 1981;2(2):53–62 (Eng. Abstr.) **(Fre)**

[Non-mechanical arteriovenous haemofiltration to reduce fluid retention in patients with postoperative or posttraumatic acute renal failure (author's transl)] Hohlbach G, et al. **Anasth Intensivther Notfallmed** 1981 Oct;16(5):242–6 **(Ger)**

[Mass balance and kinetic modelling of hemodiafiltration (author's transl)] Sprenger KB, et al. **Biomed Tech (Berlin)** 1981 Oct;26(10):236–43 (Eng. Abstr.) **(Ger)**

[Platelet function and coagulation factors before and after the passage of microaggregate filters] Breddin K, et al. **Infusionsther Klin Ernahr** 1980 Dec;7(6):286–93 (Eng. Abstr.) **(Ger)**

[Flow measurement in blood filters] Czaika A, et al. **Infusionsther Klin Ernahr** 1981 Aug;8(4):181–3 (Eng. Abstr.) **(Ger)**

[Assay of protein and thyroid hormone concentrations in hemofiltrate (author's transl)] Beyer HK, et al. **Nuklearmedizin** 1982 Feb;21(1):42–5 (Eng. Abstr.) **(Ger)**

[Treatment trials with hemofiltration/hemodialysis in pernicious catatonia] Seidel M, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Feb;34(2):95–9 (Eng. Abstr.) **(Ger)**

[Haemofiltration (author's transl)] Descoeudres C. **Ther Umsch** 1982 May;39(5):391–5 **(Ger)**

[Alternative procedures in the therapy of chronic uremia (hemofiltration, continuing ambulatory peritoneal dialysis)] Scheler F. **Verh Dtsch Ges Inn Med** 1981;87:1405–8 **(Ger)**

[First experiences with hemofiltration] Osten B, et al. **Z Urol Nephrol** 1981 Oct;74(10):779–88 **(Ger)**

[Effects of different types of substitutive treatment on fibrinolytic potential of chronic uremic patients] Canavese C, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):339–43 (Eng. Abstr.) **(Ita)**

[The calcium-phosphorus balance and parathormone behavior in 7 patients treated with integral hemofiltration] Civati G, et al. **Minerva Nefrol** 1981 Apr-Jun;28(2):171–4 (Eng. Abstr.) **(Ita)**

[Impurities of the salts in solutions for hemofiltration as the cause of poisoning] Sancipriano GP, et al. **Minerva Nefrol** 1982 Jan-Mar;29(1):57–8 **(Ita)**

[Substitutive treatment of the uremic diabetic. 8 years of experience and new prospects] Triolo G, et al. **Minerva Nefrol** 1981 Jul-Sep;28(3):315–20 (Eng. Abstr.) **(Ita)**

[Kinetics of continuous ambulatory peritoneal dialysis. I. Ultrafiltration] Twardowski Z, et al. **Pol Arch Med Wewn** 1981 Jan;65(1):57–63 (Eng. Abstr.) **(Pol)**

[Use of isolated ultrafiltration in patients with protracted uremia] Luciak M. **Pol Tyg Lek** 1982 Apr 5;37(4–5):135–7 (28 ref.) **(Pol)**

[Clinical use of sequential ultrafiltration and hemodialysis in patients with acute renal failure] Konovalov GA. **Anesteziol Reanimatol** 1982 May-Jun;(3):57–60 **(Rus)**

[Plasma and hemofiltrate composition in patients with chronic kidney failure (author's transl)] Jeren-Struić B, et al. **Lijec Vjesn** 1981;103(3):65–6 (Eng. Abstr.) **(Scr)**

[The effect of hemodialysis and hemofiltration on the serum beta-2 microglobulin content of patients kept on chronic hemodialysis regimen (author's transl)] Prejac M, et al. **Lijec Vjesn** 1980 Jul-Aug;102(7–8):386–91 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

[Echocardiographic study of left ventricular function in 2 different procedures] Cini G, et al. **G Ital Cardiol** 1981; 11(4):458–67 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Portable artificial kidney with advantages of hemodialysis, hemofiltration, and hemoperfusion. Shettigar UR, et al. **Artif Organs** 1982 Feb;6(1):17-22

Interference in the Dow phosphorus procedure eliminated by ultrafiltration of icteric and hemolyzed samples with the Worthington Ultrafree Calcium Filter [letter] Toffaletti J, et al. **Clin Chem** 1982 Mar;28(3):560

Evaluation of hemofiltration with different AN 69 membrane devices using a discontinuous flow-single needle system. De Paepe M, et al. **Int J Artif Organs** 1982 Mar;5(2):87-91

A simple, continuous-flow ultrafiltration apparatus. Lea DJ, et al. **J Biochem Biophys Methods** 1982 Apr;6(1):39-46

Comparative study of the fenwal and pall microaggregate filters used for the production of leucocyte-poor blood. Treleaven JG, et al. **J Clin Pathol** 1982 Jun;35(6):681-3

The effect of anisotropy on mixed ester microfiltration membrane performance. Libby DV, et al. **J Parenter Sci Technol** 1981 Nov-Dec;35(6):276-80

Automation of an ultrafiltration system in the plasma fractionation industry. Peine IC, et al. **J Parenter Sci Technol** 1982 Mar-Apr;36(2):79-85

Design analysis of parallel plate and hollow fibres haemofilters. Jaffrin MY. **Med Biol Eng Comput** 1981 May; 19(3):321-7

Novel applications for hemofiltration membranes. Ramenofsky JA, et al. **Trans Am Soc Artif Intern Organs** 1981;27:613-7

['Chemophil' polymeric membranes for sterilizing ultrafiltration of liquids and gases] Nachinkin OI, et al. **Lab Delo** 1981;(5):314-5 **(Rus)**

[Use of FM01 membrane filters for blood serum ultrafiltration] Aleksandrov ML, et al. **Med Tekh** 1982 Jan-Feb;(1):47-9 (Eng. Abstr.) **(Rus)**

[Clinical study of the ultrafiltration properties of dialyzers and dialysis membranes] Iarmolinskii IS, et al. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):28-32 (Eng. Abstr.) **(Rus)**

METHODS

Dialytic ascitic ultrafiltration in refractory ascites. Hwang ER, et al. **Am J Gastroenterol** 1982 Sep;77(9):652-4

A computerized model to analyze transcellular fluid shift during hemofiltration. Kimura G, et al. **Artif Organs** 1982 Feb;6(1):31-6

Gel layer limited haemofiltration rates can be increased by vortex mixing. Jeffree MA, et al. **Clin Exp Dial Apheresis** 1981;5(4):373-80

Evaluation of methods for sizing of colloidal radiopharmaceuticals. Pedersen B, et al. **Eur J Nucl Med** 1981;6(11):521-6

Volumetrically controlled ultrafiltration. Current experiences and future prospects. Roy T, et al. **Int J Artif Organs** 1982 May;5(3):131-5

Hemofiltration treatment of psoriasis. Steck WD, et al. **J Am Acad Dermatol** 1982 Mar;6(3):346-9

Functionality and economics of tangential flow microfiltration. Lukaszewicz RC, et al. **J Parenter Sci Technol** 1981 Sep-Oct;35(5):231-6

Hemosiderosis in a dialysis patient: treatment with hemofiltration and deferoxamine chelation therapy. McCarthy JT, et al. **Mayo Clin Proc** 1982 Jul;57(7):439-41

Two years clinical experience with short hour high efficiency hemofiltration. Shaldon S, et al. **Proc Clin Dial Transplant Forum** 1980;10:285-8

Vascular stability and middle molecules removal in hypertonic haemodiafiltration. Cambi V, et al. **Proc Eur Dial Transplant Assoc** 1981;18:681-9

Haemodynamics of isolated versus dialytic ultrafiltration in the unanaesthetised, non-uraemic dog. Daugirdas JT, et al. **Proc Eur Dial Transplant Assoc** 1981;18:139-45

High efficiency haemofiltration (ultrafiltration of more than 250ml/min for two hours) in eight uraemic patients. Dongradi G, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:176-82

Continuous arteriovenous haemofiltration. A new kidney replacement therapy. Kramer P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:743-9

Effect of extracorporeal blood cooling on dialytic arterial hypotension. Maggiore Q, et al. **Proc Eur Dial Transplant Assoc** 1981;18:597-602

Economic preparation of sterile pyrogen free infusate for haemofiltration. Ramperez P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:293-6

Role of small molecule removal in the control of treatment morbidity with haemodialysis and haemofiltration. Shaldon S. **Proc Eur Dial Transplant Assoc** 1981;18:249-55

Heparin is unable to prevent contact activation by three different membranes. Stratta P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:269-74

Two year experience with over 500 sessions of postdilution hemofiltration. Pierides AM, et al. **Trans Am Soc Artif Intern Organs** 1981;27:618-22

Mixed hemofiltration (MHF): 18 months experience with ultrashort treatment time. Shaldon S, et al. **Trans Am Soc Artif Intern Organs** 1981;27:610-2

[Haemofiltration - a new method of treatment for chronic renal failure (autnor's transl)] Lopot F, et al. **Cas Lek Cesk** 1982 Feb 19;121(7):210-3 (Eng. Abstr.) **(Cze)**

[Continuous haemofiltration in encephalopathy associated with hepatic failure (author's transl)] Mathieu D, et al. **Nouv Presse Med** 1982 May 29;11(25):1921-5 (Eng. Abstr.) **(Fre)**

[Comparative study of the various technics used in plasma exchange] Bussel A. **Rev Fr Transfus Immunohematol** 1981 Dec;24(6):691-9 **(Fre)**

[General parameters in the technology of plasma filtration using a membrane] Cavalier J. **Rev Fr Transfus Immunohematol** 1981 Dec;24(6):633-41 **(Fre)**

[Technical, immunological and clinical study of the performance of blood filtration using Erypur filters] Elghouzzi MH, et al. **Rev Fr Transfus Immunohematol** 1981 Dec;24(6):579-95 (Eng. Abstr.) **(Fre)**

[Infusion-free hemodiafiltration (author's transl)] Shinzato T, et al. **Nippon Jinzo Gakkai Shi** 1982 Jan;24(1):71-7 (Eng. Abstr.) **(Jpn)**

[Albumin bound agarose beads method for hemoperfusion] Hosaka H, et al. **Nippon Rinsho** 1982;40(4):878-82 **(Jpn)**

[Development of instruments for hepatic support--dialysis, adsorption and filtration] Inou T, et al. **Nippon Rinsho** 1982; 40(4):853-8 **(Jpn)**

[Artificial hepatic support system] Kasai S, et al. **Nippon Rinsho** 1982;40(4):859-64 **(Jpn)**

[Hemoperfusion with activated charcoal] Odaka M, et al. **Nippon Rinsho** 1982;40(4):871-7 **(Jpn)**

[Cross hemodiafiltration] Otsubo O, et al. **Nippon Rinsho** 1982;40(4):909-13 **(Jpn)**

[Artificial hepatic support device with polyacrylonitrile (PAN) membrane, with special reference to hemodiafiltration] Sakai K, et al. **Nippon Rinsho** 1982; 40(4):890-6 **(Jpn)**

ULTRASONIC THERAPY

Hypodermitis sclerodermiformis. Successful treatment with ultrasound. Rowe L, et al. **Arch Dermatol** 1982 May; 118(5):312-4

Ultrasound influence on internal fixation with a rigid plate in dogs. Skoubo-Kristensen E, et al. **Arch Phys Med Rehabil** 1982 Aug;63(8):371-3

Ultrasound, microwave and radiofrequency radiations: the basis for their potential in cancer therapy. Proceedings of the 10th L. H. Gray Conference. Oxford, 13-16 July 1981. **Br J Cancer [Suppl]** 1982 Mar;45(5):1-257

Non-thermal cellular effects of ultrasound. Dyson M. **Br J Cancer [Suppl]** 1982 Mar;45(5):165-71

Ultrasonic treatment of experimental animal tumours. Kremkau FW. **Br J Cancer [Suppl]** 1982 Mar;45(5):226-32

Treatment of superficial human cancerous nodules by local ultrasound hyperthermia. Marchal C, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):243-5

Evidence for effectiveness of ultrasound treatment in physical medicine. Oakley EM. **Br J Cancer [Suppl]** 1982 Mar; 45(5):233-7

Acoustic properties of tissues relevant to therapeutic applications. Sarvazyan AP. **Br J Cancer [Suppl]** 1982 Mar; 45(5):52-4

Ultrasound and electromagnetic radiation in hyperthermia--a historical perspective. Schwan HP. **Br J Cancer [Suppl]** 1982 Mar;45(5):84-92

A comparison of ultrasonic irradiation and RF inductive heating for clinical localized hyperthermia applications. ter Haar G, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):77-81

Ultrasonic hyperthermia and drugs as therapy for human tumor xenografts. Senapati N, et al. **Cancer Treat Rep** 1982 Aug;66(8):1635-9

The effect of ultrasound on flexor tendon repairs in the rabbit. Roberts M, et al. **Hand** 1982 Feb;14(1):17-20

The summating potential in ultrasonic labyrinthectomy for Menière's disorder. Cable HR, et al. **J Laryngol Otol** 1981 Sep;95(9):915-23

Evaluation of gynecologic pelvic masses by ultrasound and computed tomography. Sommer FG, et al. **J Reprod Med** 1982 Jan;27(1):45-50

Transient cavitation in tissues during ultrasonically induced hyperthermia. Sommer FG, et al. **Med Phys** 1982 Jan-Feb; 9(1):1-3

The effect of ultrasound on microvascular hemodynamics in skeletal muscle: effects during ischemia. Hogan RD, et al. **Microvasc Res** 1982 May;23(3):370-9

Ultrasound couplants for physiotherapy. Docker MF, et al. **Physiotherapy** 1982 Apr;68(4):124-5

Ultrasound in the treatment of surgical wounds. Ferguson HN. **Physiotherapy** 1981 Feb 10;67(2):43

The effect of ultrasonics and thermal treatment on wounds. Shamberger RC, et al. **Plast Reconstr Surg** 1981 Dec; 68(6):860-70

Investigation of the possibilities of cardiac defibrillation by ultrasound. Smailys A, et al. **Resuscitation** 1981 Sep; 9(3):233-42

[Antenatal diagnosis of fetal urinary tract malformations by echography (author's transl)] Elkhazen N, et al. **Rev Med Brux** 1981 Nov;2(9):829-34 (Eng. Abstr.) **(Fre)**

[Basic studies on ultrasonic surgery. II. Studies on the stability after ultrasonic osteosynthesis in various forms of fractures in vitro] Müller T, et al. **Z Exp Chir** 1981 Dec; 14(6):365-72 (Eng. Abstr.) **(Ger)**

[Basic studies on ultrasonic surgery. I. Principles, status and perspectives of ultrasonic surgery] Wehner W, et al. **Z Exp Chir** 1981 Dec;14(6):357-64 (Eng. Abstr.) **(Ger)**

[Ultrasonics in physical therapy] Tarasi L. **Clin Ter** 1981 Aug 15;98(3):331-3 **(Ita)**

[Real-time ultrasonographic diagnosis of hepatocellular carcinoma. Correlation of echograms and histopathological findings (author's transl)] Shinagawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1; 78(12):2402-11 (Eng. Abstr.) **(Jpn)**

[Immunological reactivity in chronic salpingo-oophoritis patients including ultrasound and levamisole in their treatment complex] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):31-3 **(Rus)**

[Prospects for using ultrasound in the treatment of acute arterial thrombosis] Savel'ev VS, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):89-93 **(Rus)**

[Experimental substantiation of the possible use of magnetophoresis and magnetophonophoresis in ophthalmology] Marmur RK, et al. **Oftalmol Zh** 1981; 36(4):231-4 (Eng. Abstr.) **(Rus)**

[Study of the combined effect of ultrasound and chlorophyllypt on the course of corneal burns] Moiseeva NN, et al. **Oftalmol Zh** 1981;36(8):502-6 **(Rus)**

[Ultrasound in the combined surgical treatment of chronic osteomyelitis] Kuz'menko VV, et al. **Ortop Travmatol Protez** 1981 Jul;(7):27-31 (Eng. Abstr.) **(Rus)**

[Effect of ultrasonic therapy on capillary circulation in pulmonary tuberculosis] Evstaf'ev IuA, et al. **Probl Tuberk** 1982 Feb;(2):28-31 (Eng. Abstr.) **(Rus)**

[Use of ultrasound and laser radiation to treat suppurating epithelial passages and cyst of the sacrococcygeal area] Iaremchuk AIa, et al. **Vestn Khir** 1982 Apr;128(4):64-6 **(Rus)**

[Phonophoresis of hydroxyprogesterone capronate in the treatment of the patients with adenoma of the prostate complicated by dysuria] Karpukhin VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec; (6):46-9 (Eng. Abstr.) **(Rus)**

[Efficacy of physical factors in the complex rehabilitation of children after the surgical setting of the congenital hip dislocation] Vadbol'skaia ZI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec; (6):33-7 (Eng. Abstr.) **(Rus)**

[Effect of ultrasound and phonophoresis of ganglionic blockaders on the cardiovascular system of cervical osteochondrosis patients] Vashkevich DL. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 May-Jun; (3):29-34 **(Rus)**

[Thymus-dependent therapeutic immunosuppression in multiple sclerosis and myasthenia] Lobzin VS, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):176-81 (Eng. Abstr.) **(Rus)**

[Shortwave, microwave and ultrasound therapy] Sävenstrand U. **Lakartidningen** 1982 Apr 7;79(14):1372-4 (Eng. Abstr.) **(Swe)**

INSTRUMENTATION

Percutaneous litholapaxy of renal calculi with ultrasound. Marberger M, et al. **Eur Urol** 1982;8(4):236-42

An annular focus ultrasonic lens for local hyperthermia treatment of small tumors. Beard RE, et al. **Ultrasound Med Biol** 1982;8(2):177-84

[Low frequency electro-stimulation and ultrasonic therapy (author's transl)] Bernau A, et al. **Z Orthop** 1981 Feb; 119(1):126-37 (Eng. Abstr.) **(Ger)**

METHODS

Induction of hyperthermia by ultrasound. Hahn GM, et al. **Bull Cancer (Paris)** 1981;68(3):249-54

Hyperthermia production for cancer therapy: a review of fundamentals and methods. Christensen DA, et al. **J Microwave Power** 1981 Jun;16(2):89-105 (44 ref.)

Ultrasonic aspiration in the surgical treatment of intracranial tumors. Fasano VA, et al. **J Neurosurg Sci** 1981 Jan-Mar; 25(1):35-40

Ultrasonic partial splenectomy. Hodgson WJ, et al. **Surgery** 1982 Mar;91(3):346-8

Percutaneous ultrasonic destruction of renal calculi. Alken P. **Urol Clin North Am** 1982 Feb;9(1):145-51

[Ultrasonic emulsification and aspiration of cataract with clinical observation on 100 cases (author's transl)] Wang J. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):29-31 **(Chi)**

[Animal experimental studies on 'bone welding' by ultrasound (author's transl)] Veihelmann D, et al. **Aktuel Traumatol** 1981 Dec;11(6):203-9 (Eng. Abstr.) **(Ger)**

[Effects of an ultrasonic technic on diagnosis and therapy in urology] Rodeck G, et al. **Fortschr Med** 1981 Nov 5; 99(41):1700-4 (Eng. Abstr.) **(Ger)**

[Use of low-frequency ultrasound in treating nongonococcal colpitis and cervicitis] Letuchikh AA, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):41-3 (Eng. Abstr.) **(Rus)**

[Tetracycline penetration into tissue by modified electro- and phonophoretic methods] Ragelis SIu. **Antibiotiki** 1981 Sep; 26(9):699-703 (Eng. Abstr.) **(Rus)**

[Effect of low-frequency ultrasound on pyogenic microflora] Ivanov VV. **Khirurgiia (Mosk)** 1982 Apr;(4):30-3 **(Rus)**

[Use of low-frequency ultrasound in treating pleural empyema] Sitko LA. **Klin Khir** 1981 Oct;(10):45-7 (Eng. Abstr.) **(Rus)**

[Changes in the posterior corneal epithelium after

phacoemulsification] Fedorov SN, et al. **Oftalmol Zh** 1981; 36(7):428–31 (Eng. Abstr.) **(Rus)**

[Use of ultrasonic therapy in treating spasm of accommodation and a mild degree of myopia] Kubareva NS. **Oftalmol Zh** 1981;36(3):162–4 (Eng. Abstr.) **(Rus)**

[Effect of the inhalation of ultrasonic aerosols of tuberculostatic and pathogenetic agents on the bronchial mucosal ciliary apparatus in pulmonary tuberculosis] Shesterina MV, et al. **Probl Tuberk** 1981 Jun;(6):50–3 (Eng. Abstr.) **(Rus)**

[Ultrasonic aerosol therapy of chronic pneumonia] Sokolov EI, et al. **Sov Med** 1981;(4):112–5 **(Rus)**

[X-ray morphological characteristics of reparative regeneration of the mandible as affected by experimental phonophoresis] Bik IaG, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):13–5 **(Rus)**

[Method of ultraphonophoresis of a calcium chloride solution in the combined treatment of periodontal diseases] Mironova VV, et al. **Stomatologiia (Mosk)** 1981 Sep–Oct; 60(5):35–7 (Eng. Abstr.) **(Rus)**

[Use of dibunol phonophoresis in treating the initial stage of periodontosis] Nikitina TV, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):25–6 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative suppuration and the treatment of suppurative wounds by ultrasonic cavitation] Oganesian MA. **Vestn Khir** 1982 May;128(5):56–7 (Eng. Abstr.) **(Rus)**

[Ultrasonic activation of the trabeculae in glaucoma] Cherniavskii GIa, et al. **Vestn Oftalmol** 1981 Jul–Aug; (4):7–8 (Eng. Abstr.) **(Rus)**

[Ultrasonic inhalations in treating upper respiratory tract pathology in workers in enterprises with a high dust content] Brofman AV. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):45–51 **(Rus)**

[Use of ultrasound in the combined treatment of tuberculous pleurisy] Brazhenko NA, et al. **Voen Med Zh** 1982 Jan; (1):58–9 **(Rus)**

STANDARDS

Competencies in physical therapy: a resource for written self-assessment and clinical performance evaluation and a component of a department's quality assurance program. Ellingham CT, et al. **Phys Ther** 1982 Jun;62(6):845–9

ULTRASONICS

see related
ECHOCARDIOGRAPHY
ECHOENCEPHALOGRAPHY

Comparison of laryngotracheal and ultrasonic nebulizer administration of lidocaine in local anaesthesia for bronchoscopy. Korttila K, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):161–5

Ultrasonographic evaluation of ovarian hyperstimulation syndrome, (O.H.S.). Comparetto G, et al. **Acta Eur Fertil** 1981 Dec;12(4):313–8

Fetal femur length as a predictor of menstrual age: sonographically measured. Hadlock FP, et al. **AJR** 1982 May;138(5):875–8

Fetal biparietal diameter: rational choice of plane of section for sonographic measurement. Hadlock FP, et al. **AJR** 1982 May;138(5):871–4

Echogenicity: analysis, significance, and masking. Kurtz AB, et al. **AJR** 1981 Sep;137(3):471–6

Gallbladder wall thickness distortion by ascites. Lewandowski BJ, et al. **AJR** 1981 Sep;137(3):519–21

Growth of the ultrasound fetal femur length during normal pregnancy. Part I. O'Brien GD, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):833–7

Real-time ultrasound observation of breathing and movements in the fetal lamb. Wittmann BK, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):807–10

Ultrasonic surgical dissection in the dog spleen. Derderian GP, et al. **Am J Surg** 1982 Feb;143(2):269–73

Ultrasonic decalcification of bone. Milan L, et al. **Am J Surg Pathol** 1981 Sep;5(6):573–9

Basement membranes glycosaminoglycans: examination of several membranes and evaluation of the effect of sonic treatment. Parthasarathy N, et al. **Arch Biochem Biophys** 1982 Feb;213(2):504–11

Lack of effect of pulsed ultrasound on the mammalian EEG. Amin A, et al. **Aviat Space Environ Med** 1981 Oct; 52(10):604–7

Biological effects of low-temporal, average-intensity, pulsed ultrasound. Carstensen EL. **Bioelectromagnetics** 1982; 3(1):147–56

The molecular basis of ultrasonic absorption by proteins. Edmonds PD. **Bioelectromagnetics** 1982;3(1):157–65

An approach to inverse scattering problems. Saito M, et al. **Bioelectromagnetics** 1982;3(1):73–80

An ultrasonic salinity telemetry transmitter for use on fish in estuaries. Priede IG. **Biotelem Patient Monit** 1982; 9(1):1–9

Acoustic cavitation: a possible consequence of biomedical uses of ultrasound. Apfel RE. **Br J Cancer [Suppl]** 1982 Mar;45(5):140–6

The effect of ultrasound and hyperthermia on sister chromatid exchange and division kinetics of BHK 21 C13/A3 cells. Barrass N, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):187–91

Direct effect of diagnostic ultrasound on genetically interesting molecules: a theoretical model. Ciatti S, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):199–201

A quantitative similarity between some biological effects of ultrasound and microwaves. Dunn F, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):93–4

Nonlinear ultrasonic propagation in biological media. Dunn F, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):55–8

Ultrasound biophysics: a perspective. Hill CR. **Br J Cancer [Suppl]** 1982 Mar;45(5):46–51

The effect of thermal conduction during local hyperthermia induced by ultrasound: a phantom study. Hynynen K, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):68–70

Ultrasound interaction with plant roots. Leeman S, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):196–8

Temperature distributions in tissues during local hyperthermia by stationary or steered beams of unfocused or focused ultrasound. Lele PP, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):108–21

A study of ultrasound-induced microstreaming in blood vessels of tropical fish. Martin CJ, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):161–4

The role of cavitation in the interaction of ultrasound with V79 Chinese hamster cells in vitro. Morton KI, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):147–50

Ultrasonic microstreaming and related phenomena. Nyborg WL. **Br J Cancer [Suppl]** 1982 Mar;45(5):156–60

Effects of therapeutic ultrasound on clearance rate of blood borne colloidal particles in vivo. Saad AH, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):202–5

Ultrasonically induced cavitation in vivo. ter Haar G, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):151–5

Ultrasonic heating of mammalian tissues in vivo. ter Haar GR, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):65–7

Evidence for a non-thermal effect of ultrasound. ter Haar GR, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):172–5

Characteristics of the pulsed ultrasound field. Wien KD, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):59–63

The breech head and its ultrasound significance. Kasby CB, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):106–10

Monitoring gonadotrophin therapy by real-time ultrasonic scanning of ovarian follicles. Sallam HN, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):155–9

Ultrasound-directed percutaneous tapping of distended fetal abdomen. Settatree RS, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):173

Measurement of the lumbar spinal canal by diagnostic ultrasound. Hibbert CS, et al. **Br J Radiol** 1981 Oct; 54(646):905–7

The effect of prophylactic heparinization on the venous blood flow using the Doppler ultrasonic flowmeter. Barsoum MS, et al. **Br J Surg** 1982 Apr;69(4):207–10

Identification of ultrasonic vocalization substrates determined by electrical stimulation applied to the medulla oblongata in the rat. Yajima Y, et al. **Brain Res** 1981 Dec 21; 229(2):353–62

Influence of a co-solvent (acetone) and ultrasonication on the acute toxicity of a quaternary amine (Aliquat 336) and an organophosphorus compound (HDEHP) to Daphnia magna. Berglind R, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):316–25

Effect of ultrasound-induced hyperthermia and cis-diamminedichloride platinum II on murine renal function. Elkon D, et al. **Cancer** 1982 Jan 1;49(1):25–9

Ultrasonically guided fine-needle biopsies in neoplastic liver disease: cytohistologic diagnoses and echo pattern of lesions. Schwerk WB, et al. **Cancer** 1981 Sep 15; 48(6):1469–77

Distal splenorenal shunts (Warren's operation) B-mode and real time ultrasonographic assessment. Abdel Wahab MF, et al. **Egypt J Bilharz** 1979;6(1–2):21–4

Computerized ultrasound echo tomography of the breast. Friedrich M, et al. **Eur J Radiol** 1982 Feb;2(1):78–87

The value of ultrasound, gonadotropin, and estradiol measurements for precise ovulation prediction. Bryce RL, et al. **Fertil Steril** 1982 Jan;37(1):42–5

Ultrasound evaluation of estrogen monitoring for induction of ovulation with menotropins. Haning RV Jr, et al. **Fertil Steril** 1982 May;37(5):627–32

Prediction of human ovulation by rapid luteinizing hormone (LH) radioimmunoassay and ovarian ultrasonography. Lemay A, et al. **Fertil Steril** 1982 Aug;38(2):194–201

Relation between ultrasonographic evidence of ovulation and hormonal parameters: luteinizing hormone surge and initial progesterone rise. Wetzels LC, et al. **Fertil Steril** 1982 Mar; 37(3):336–41

Ultrasonic induction of sister chromatid exchanges in human lymphocytes. Haupt M, et al. **Hum Genet** 1981;59(3):221–6

Instantaneous frequency, mean frequency, and variance of mean frequency estimators for ultrasonic blood velocity Doppler signals. Angelsen BA. **IEEE Trans Biomed Eng** 1981 Nov;28(11):733–41

Waveform analysis of Doppler ultrasound signals by a microcomputer. Caprihan A, et al. **IEEE Trans Biomed Eng** 1982 Feb;29(2):138–42

Ultrasonic reflectivity imaging in three dimensions: exact inverse scattering solutions for plane, cylindrical, and spherical apertures. Norton SJ, et al. **IEEE Trans Biomed Eng** 1981 Feb;28(2):202–20

Further studies on acoustic impedance of major bovine blood vessel walls. Gelehkie JV, et al. **J Acoust Soc Am** 1982 Feb;71(2):467–70

Ultrasound velocity in muscle. Mol CR, et al. **J Acoust Soc Am** 1982 Feb;71(2):455–61

The effects of ultrasonic energy on the physical properties of silastic. Caputo L, et al. **J Am Podiatry Assoc** 1982 Mar; 72(3):145–9

Convenient continuous sonication method for the preparation of medium-sized polydeoxynucleotides. Chen C, et al. **J Biochem Biophys Methods** 1981 Dec;5(5):293–5

A microprocessor-based ultrasonic limb movement monitoring system. Brown AW. **J Biomed Eng** 1981 Oct; 3(4):275–80

Ultrasound velocity tomography, an imaging method. Mol CR, et al. **J Biomed Eng** 1981 Jul;3(3):235–8

A regional ultrasonic technique to measure left ventricular performance during coronary artery bypass. Slack JD, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):166–71

Antigen presentation to human T lymphocytes. I. Different requirements for stimulation by hapten-modified cells vs. cell sonicates. Abramson SL, et al. **J Exp Med** 1981 Oct 1;154(4):1005–15

Initial evaluation of focused ultrasound for in-situ measurements of small particles in flowing water streams. Gatlin LA, et al. **J Parenter Sci Technol** 1981 Sep–Oct; 35(5):227–30

Continuous wave Doppler ultrasonographic quantitation of patent ductus arteriosus flow. Serwer GA, et al. **J Pediatr** 1982 Feb;100(2):297–9

Effect of nonsterile versus sterile water irrigation with ultrasonic scaling on postoperative bacteremias. Reinhardt RA, et al. **J Periodontol** 1982 Feb;53(2):96–100

Detection of intrauterine growth retardation. Shanklin DR. **J R Soc Med** 1982 Feb;75(2):139–40

Extraction of intramyocardial foreign body utilizing operative ultrasonography. Harrison LH Jr, et al. **J Thorac Cardiovasc Surg** 1981 Sep;82(3):345–9

Comparison of abdominal circumference measurements by real-time and B-scan techniques. Clement D, et al. **JCU** 1981 Jan;9(1):1–3

The use of ultrasound in the assessment of normal fetal growth: a review. Deter RL, et al. **JCU** 1981 Nov–Dec; 9(9):481–93 (54 ref.)

Ultrasonically determined menstrual age as an indicator of fetal lung maturity. Deter RL, et al. **JCU** 1982 Apr; 10(4):153–7

Registration errors in compound B-scans. Goldstein A. **JCU** 1981 Jan;9(1):25–7

Ultrasound examination of the colon. Jasinski R, et al. **JCU** 1981 Apr;9(4):206–8

Ultrasound-directed paracentesis of massive fetal ascites. Johnson TR Jr, et al. **JCU** 1982 Mar;10(3):140–2

Attenuation of ultrasound in air [letter] Riley WA Jr. **JCU** 1982 Jan;10(1):A–28

Shadowing and enhancement in ultrasonic echograms by reflection and refraction. Robinson DE, et al. **JCU** 1981 Apr;9(4):181–8

Radial scanning of the breast: an alternative to the standard ultrasound technique. Rosensweig R, et al. **JCU** 1982 Apr; 10(4):199–201

Equation governing the transmission of ultrasound [letter] Ziskin MC. **JCU** 1982 Feb;10(2):A–21

Assessment of human follicular development of ultrasound. Hill LM, et al. **Mayo Clin Proc** 1982 Mar;57(3):176–80

Application of air-borne ultrasound to biomedical measurements. Lindström K, et al. **Med Biol Eng Comput** 1982 May;20(3):393–400

Ultrasound and its various modes in use-part I. Keil OR. **Med Instrum** 1982 Jan–Feb;16(1):27–30

Evaluation of root canal débridement by the endosonic ultrasonic synergistic system. Cunningham WT, et al. **Oral Surg** 1982 Apr;53(4):401–4

A scanning electron microscope evaluation of root canal débridement with the endosonic ultrasonic synergistic system. Cunningham WT, et al. **Oral Surg** 1982 May; 53(5):527–31

The effect of endosonic and hand manipulation on the amount of root canal material extruded. Martin H, et al. **Oral Surg** 1982 Jun;53(6):611–3

Ultrasonic potentiation of the sporicidal activity of glutaraldehyde. Warfield DK 3d, et al. **Oral Surg** 1982 Apr; 53(4):342–6

Time-frequency-domain analysis: one-dimensional phantom studies. Nicholas D. **Phys Med Biol** 1982 May;27(5):665–82

Phonophoresis with hydrocortisone in the treatment of temporomandibular joint dysfunction. Wing M. **Phys Ther** 1982 Jan;62(1):32–3

Short review: ultrasound in the estimation of human intrauterine placental growth. Bleker OP, et al. **Placenta** 1981 Jul–Sep;2(3):275–8

Pressure-mediated reduction of ultrasonically induced cell lysis. Ciaravino V, et al. **Radiat Res** 1981 Oct;88(1):209–13

The hypoechoic caudate lobe: an ultrasonic pseudolesion. Mitchell SE, et al. **Radiology** 1982 Aug;144(3):569–72

Ultrasonic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **Radiology** 1982 Mar;142(3):781–2

Intraoperative real-time ultrasonic guidance of ventricular shunt placement in infants. Shkolnik A, et al. **Radiology** 1981 Nov;141(2):515–7

Ultrasonic localization of the porta hepatis prior to percutaneous transhepatic cholangiography. Pedersen JH, et al. **ROFO** 1982 Mar;136(3):260–1

Ultrasonic dispersion of pure cultures of plaque bacteria and plaque. Olsen I, et al. **Scand J Dent Res** 1981 Aug; 89(4):307–12

Doppler ultrasound estimation of bubble removal by various arterial line filters during extracorporeal circulation. Semb BK, et al. **Scand J Thorac Cardiovasc Surg** 1982;16(1):55–62

Ultrasonic transmission speckle imaging. Bates RH, et al. **Ultrasonic Imaging** 1981 Oct;3(4):378–94

Effects of phase-cancellation on scattering measurements. Shung KK, et al. **Ultrasonic Imaging** 1982 Jan;4(1):56–70

Mode conversion of Rayleigh and Lamb waves to compression waves at a metal–liquid interface. Deighton MO, et al. **Ultrasonics** 1981 Nov;19(6):249–58

Analogue implementation of analytic signal processing for pulse-echo systems. Gammell PM. **Ultrasonics** 1981 Nov; 19(6):279–83

A simple method of realizing the deconvolution of ultrasonic images. Köhl W, et al. **Ultrasonics** 1981 Nov;19(6):273–8

Stochastic frequency-domain tissue characterization: application to human spleens 'in vivo'. Sommer FG, et al. **Ultrasonics** 1982 Mar;20(2):82–6

Ultrasound bioeffects investigations: controls [letter] Cain CA, et al. **Ultrasound Med Biol** 1982;8(2):207–8

Bibliography of biomedical ultrasound from 1 January 1971, No. 29. Carson J, et al. **Ultrasound Med Biol** 1982; 8(2):209–30

Bibliography of biomedical ultrasound from 1 January 1971, No. 30. Carson J, et al. **Ultrasound Med Biol** 1982; 8(3):325–49

The exposure vessel as a factor in ultrasonically-induced mammalian cell lysis—II. An explanation of the need to rotate exposure tubes. Church CC, et al. **Ultrasound Med Biol** 1982;8(3):299–309

Measurement of ultrasonic velocity in several biological tissues. Frizzell LA, et al. **Ultrasound Med Biol** 1981; 7(4):385–7

Surface pressure of ultrasound transducers evaluated by three-media-method. Kretz W, et al. **Ultrasound Med Biol** 1981;7(4):389–95

Oil-in-gelatin dispersions for use as ultrasonically tissue-mimicking materials. Madsen EL, et al. **Ultrasound Med Biol** 1982;8(3):277–87

Microwatt ultrasonic power determination using laser interferometry. Reibold R. **Ultrasound Med Biol** 1982; 8(2):191–7

The exposure vessel as a factor in ultrasonically-induced mammalian cell lysis—I. A comparison of tube and chamber systems. Sacks PG, et al. **Ultrasound Med Biol** 1982;8(3):289–98

Symposium on endourology. **Urol Clin North Am** 1982 Feb; 9(1):1–205

Ultrasonic arteriography: implications in patient management. Bodily KC, et al. **West J Med** 1981 Sep; 135(3):183–7

[Physical methods (ultrasound) and disinfecting agents for decontaminating the water in poultry meat processing] Ionova I, et al. **Vet Med Nauki** 1981;18(4):99–105 (Eng. Abstr.) **(Bul)**

[SEM observation of the effect of ultrasonic scaling on the enamel surface (author's transl)] Huang ZR. **Chung Hua Kou Chiang Ko Tsa Chih** 1982;17(1):17–9 **(Chi)**

[Ovarian sonography: a new way of monitoring ovulation induction treatments] Renaud R, et al. **Bull Acad Natl Med (Paris)** 1981 Mar;165(3):353–8 (Eng. Abstr.) **(Fre)**

[Echographic visualisation of the umbilical vesicle and the amniotic membrane (author's transl)] Salvetti A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):549–53 (Eng. Abstr.) **(Fre)**

[Bases of technical innovations in echography, dosimetric planning, handling of information in nuclear medicine] **Rev Med Liege** 1981 Sep 15;36(18):665–83 **(Fre)**

[Bases of technical innovations in dosimetric planning] Minet P. **Rev Med Liege** 1981 Sep 15;36(18):673–6 **(Fre)**

[Echographic surveillance of induction of ovulation] Renaud R, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1667–8 **(Fre)**

[The use of ultrasonic bone fusion for filling in bone defects. Animal studies. II. Concluding remarks] Grasshoff H, et al. **Beitr Orthop Traumatol** 1982 Jan;29(1):1–10 (Eng. Abstr.) **(Ger)**

[Indirect blood pressure measurement with a two-probe-ultrasound system (author's transl)] Noffke HU, et al. **Biomed Tech (Berlin)** 1981 Jul–Aug;26(7–8):162–7 (Eng. Abstr.) **(Ger)**

[Prognostication of foetal weight by means of ultrasonic foetometry. Study into accuracy of various formulae and analysis of error sources (author's transl)] Miller EC. **Zentralbl Gynakol** 1981;103(18):1089–106 (Eng. Abstr.) **(Ger)**

[Ultrasound irradiation effects on pre-implantation embryos (author's transl)] Akamatsu N. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):969–78 (Eng. Abstr.) **(Jpn)**

[Usefulness of a new range-gated ultrasonic doppler system utilizing a binary pseudo-random sequence (author's transl)] Kitabatake A, et al. **Iyodenshi To Seitai Kogaku** 1980 Oct;18(6):426–9 (Eng. Abstr.) **(Jpn)**

[A comparative study on the cataract disintegrating power of longitudinal and torsional ultrasonic waves (author's transl)] Kuwahara Y, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(2):174–80 (Eng. Abstr.) **(Jpn)**

[Research on measurement of crystalline lens hardness by ultrasonic attenuation (author's transl)] Majima Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):907–14 (Eng. Abstr.) **(Jpn)**

[Observation on the ocular tissues under an acoustic microscope (author's transl)] Shimizu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1716–20 (Eng. Abstr.) **(Jpn)**

[Experimental studies on the bioeffects of pulsed ultrasound to the cultured mammalian cell in vitro (author's transl)] Tsuzaki T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2115–24 (Eng. Abstr.) **(Jpn)**

[Measurements of cell adhesion to biomaterials by supersonics (author's transl)] Maeda T, et al. **Shika Rikogaku Zasshi** 1981 Apr;22(59):162–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonic energy effect on corneal phosphomonoesterases (author's transl)] Prastowska E. **Klin Oczna** 1981; 83(9):423–4 (Eng. Abstr.) **(Pol)**

[Analysis of glioneuronal interrelationships after ultrasound exposure] Plevinskis VP. **Arkh Anat Gistol Embriol** 1981 Oct;81(11):43–9 (Eng. Abstr.) **(Rus)**

[Effect of focused ultrasound on the destroyed auditory labyrinth of Rana temporaria] Vartanian IA, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1731–3 **(Rus)**

[Practical application of a method for the ultrasonic disintegration of a virus-antibody complex in virological research] Rasuli FI. **Vopr Virusol** 1981 Nov–Dec;(6):763–4 **(Rus)**

[Stimulating effect of focused ultrasound on auditory fibers of the acoustic nerve in the frog Rana temporaria] Vartanian IA, et al. **Zh Evol Biokhim Fiziol** 1981 Sep–Oct; 17(5):512–8 (Eng. Abstr.) **(Rus)**

[Normal fetal head growth curve, by sequential measurement of the biparietal diameter by ultrasonography] Zamora Orozco J, et al. **Ginecol Obstet Mex** 1981 Mar; 49(293):139–51 (Eng. Abstr.) **(Spa)**

[Ultrasonic-exposed factor VIII and von Willebrand's disease] Casillas G, et al. **Medicina (B Aires)** 1981;41 Suppl:253–6 (Eng. Abstr.) **(Spa)**

[Echohydrotubation, a new method of promoting fertility] Leal G, et al. **Rev Chil Obstet Ginecol** 1979;44(6):317–21 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Failure to demonstrate an effect of in vivo diagnostic ultrasound on sister chromatid exchange frequency in amniotic fluid cells. Lundberg M, et al. **Am J Med Genet** 1982 Jan;11(1):31–5

The cardiac pacemaker and ultrasonic scalers. Adams D, et al. **Br Dent J** 1982 Mar;152(5):171–3

Absence of meaningful thresholds for bioeffect studies on cell suspensions in vitro. Williams AR. **Br J Cancer [Suppl]** 1982 Mar;45(5):192–5

Ultrasonically induced nuclear aberrations in an in vitro multicellular tumour system. Sacks PG, et al. **Br J Radiol** 1982 May;55(653):362–5

Radiation risks associated with diagnostic radiology. Whalen JP, et al. **DM** 1982 Mar;28(6):1–96

Effect of spleen exposure to ultrasound on cellular and antibody-mediated immune reactions in man. Berthold F, et al. **Immunobiology** 1982;162(1):46–55

The effect of ultrasonic irradiation on the template activity of calf thymus DNA. Arai S, et al. **J Radiat Res (Tokyo)** 1981 Jun;22(2):274–81

Question of risk still hovers over routine prenatal use of ultrasound [news] Bolsen B. **JAMA** 1982 Apr 23; 247(16):2195–7

Ultrasonic effects on mammalian multicellular tumor spheroids. Conger AD, et al. **JCU** 1981 Apr;9(4):167–74

The use of beta-thromboglobulin to detect platelet damage by therapeutic ultrasound in vivo. Williams AR, et al. **JCU** 1981 Apr;9(4):145–51

Sister-chromatid exchanges in mouse embryos after exposure to ultrasound in utero. Au WW, et al. **Mutat Res** 1982 Mar;103(3–6):315–20

Acute physiological effects of ultrasonic vibrations on nervous tissue. Young W, et al. **Neurosurgery** 1981 Jun; 8(6):689–94

Growth of air bubbles in tissue by rectified diffusion. Crum LA, et al. **Phys Med Biol** 1982 Mar;27(3):413–7

Evidence for ultrasonically induced cavitation in vivo. ter Haar GR, et al. **Phys Med Biol** 1981 Nov;26(6):1145–9

Cytotoxic effects of ultrasound in vitro dependence on gas content, frequency, radical scavengers, and attachment. Armour EP, et al. **Radiat Res** 1982 Feb;89(2):369–80

Effects of ultrasound on Drosophila—IV. Pulsed exposures of eggs. Child SZ, et al. **Ultrasound Med Biol** 1982; 8(3):311–2

[Medical surveillance criteria for risk in occupational exposure to ultrasonics] Bernardi P, et al. **Med Lav** 1982 Mar–Apr;73(2):152–5 **(Ita)**

[Current status of knowledge concerning the toxicity of ultrasonics in medical diagnosis. A hypothesis concerning theoretical physics and a critical review of literature] Ciatti S, et al. **Recenti Prog Med** 1981 Jul;71(1):1–21 (73 ref.) (Eng. Abstr.) **(Ita)**

[Effect of high-frequency ultrasound on the adaptive changes of cell resistance] Plevinskis VP. **Arkh Anat Gistol Embriol** 1982 Mar;82(3):56–9 (Eng. Abstr.) **(Rus)**

[Health education among the operators of ultrasonic defectoscopes] Chemnyi AB, et al. **Gig Sanit** 1981 Jul; (7):36–7 **(Rus)**

[Photostress test indices in operators of ultrasonic defectoscopes] Mozherenkov VP, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):64–6 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Improved approach of plexus brachialis by ultrasonic Doppler and by nerve stimulator. Gribomont B. **Acta Anaesthesiol Belg** 1981 Dec;32(4):327–9

Systolic time intervals measured by pulsed ultrasound–Doppler. Lang-Jensen T. **Acta Anaesthesiol Scand** 1981 Dec;25(6):461–2

Monitoring direction of vertebral artery blood flow by Doppler shift ultrasound in patients with suspected 'subclavian steal'. Liljeqvist L, et al. **Acta Chir Scand** 1981; 147(6):421–4

Estimation of the extent of high velocity missile wounds in soft tissue with ultrasonography – an experimental study with special reference to the detection of x-ray negative foreign bodies. Kuusela T, et al. **Acta Chir Scand [Suppl]** 1982;508:251–5

A 2 year experience with percutaneous renal biopsy under ultrasonic guidance. Afschrift M, et al. **Acta Clin Belg** 1981; 36(5):237–40

Triiodothyronine and thyroxine treatment of diffuse non-toxic goitre evaluated by ultrasonic scanning. Perrild H, et al. **Acta Endocrinol (Copenh)** 1982 Jul;100(3):382–7

Ultrasonic measurement of ovarian follicles, ovarian and uterine size during induction of ovulation with human gonadotrophins. Ylöstalo P, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):592–8

Ultrasonographic diagnosis of cervico-isthmic incompetence during pregnancy. Comparetto G, et al. **Acta Eur Fertil** 1981 Dec;12(4):323–8

Dynamic echohysteroscopy: a new diagnostic technique in the study of female infertility. Nannini R, et al. **Acta Eur Fertil** 1981 Jun;12(2):165–71

Are computed tomography and ultrasonography complementary or competitive techniques in the diagnosis of pancreatic diseases? Savarino V, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec;44(11–12):528–37

Doppler ultrasound in mitral stenosis. Assessment of pressure gradient and atrioventricular pressure half-time. Knutsen KM, et al. **Acta Med Scand** 1982;211(6):433–6

Detection of mitral regurgitation by Doppler ultrasound. A comparison with left ventricular angiography. Knutsen KM, et al. **Acta Med Scand** 1981;210(5):349–52

Doppler examination of the carotid arteries. A comparative study with angiography. Norrving B, et al. **Acta Neurol Scand** 1981 Oct;64(4):241–52

Diagnosis of carotid artery disease—comparison between directional Doppler, Duplex scanner and angiography. Zbornikova V, et al. **Acta Neurol Scand** 1982 Apr; 65(4):335–46

Assessment of dystocia pelvis by ultrasound pelvimetry. Nakano H. **Acta Obstet Gynaecol Jpn** 1981 Jul; 33(7):1077–84

Clinical evaluation of two formulas for ultrasonic estimation of fetal weight. Eik-Nes SH, et al. **Acta Obstet Gynecol Scand** 1981;60(6):567–73

Prediction of fetal growth deviation by ultrasonic biometry. I. Methodology. Eik-Nes SH, et al. **Acta Obstet Gynecol Scand** 1982;61(1):53–8

Diagnostic value of ultrasound scanning and curettage in ectopic pregnancy. A prospective controlled trial. Legarth J, et al. **Acta Obstet Gynecol Scand** 1982;61(2):107–11

Prenatal diagnosis of multicystic kidney by ultrasound. Legarth J, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):523–4

False positive ultrasonography diagnosis of molar pregnancy. Levin S, et al. **Acta Obstet Gynecol Scand** 1981;60(4):435–6

Ultrasound diagnosis of interstitial pregnancy. Smith HJ, et al. **Acta Obstet Gynecol Scand** 1981;60(4):413–6

Pulsed Doppler ultrasound for measuring blood flow velocity in the human ophthalmic circulation. Kvernes S, et al. **Acta Ophthalmol (Copenh)** 1980 Dec;58(6):1011–24

Ultrasound in sciatica. Forsberg L, et al. **Acta Orthop Scand** 1981 Jun;53(3):393–5

Ultrasound in the diagnosis of maxillary and frontal sinusitis. Revonta M. **Acta Otolaryngol [Suppl] (Stockh)** 1980; 370:1–55

Echography of the kidneys in infancy and childhood. Harkányi Z, et al. **Acta Paediatr Acad Sci Hung** 1981; 22(3):229–36

Ultrasound and computer tomography in the evaluation of focal liver disease. Bartolozzi C, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):545–8

Ultrasound guided fine-needle biopsy of mass lesions affecting the hepatobiliary tract. Bondestam S, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):549–51

Ultrasound examination and cholescintigraphy in cholestasis. Bondestam S, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(4):421–6

Doppler evaluation of blood flow in therapeutic arteriovenous fistulas. Forsberg L. **Acta Radiol [Diagn] (Stockh)** 1981;22(2):141–4

Ultrasound examination of the kidney after Politano-Leadbetter ureteroneocystostomy. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):349–51

Normal and obstructed main bile duct evaluated by a modified ultrasound technique. Hadidi A. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):37–41

Ultrasound findings in renal transplant rejection. Jafri SZ,

et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):245–53
Computed tomography, angiography and ultrasound in staging of renal carcinoma. Karp W, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(6):625–33
Ultrasound and hypotonic duodenography in biliary obstruction. Lukes PJ, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):267–70
Computed tomography, ultrasound and lymphography in the diagnosis of malignant lymphoma. Magnusson A, et al. **Acta Radiol [Diagn] (Stockh)** 1982;23(1):29–35
Percutaneous cytodiagnosis of abdominal masses by ultrasound guided fine needle aspiration biopsy. Porter B, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(6):663–8
Noninvasive diagnosis of arterial disease. Lees RS, et al. **Adv Intern Med** 1982;27:475–509 (82 ref.)
Intracranial hemorrhage in premature infants: sonographic–pathologic correlation. Babcock DS, et al. **AJNR** 1982 May–Jun;3(3):309–17
Noninvasive screening of extracranial carotid disease: duplex sonography with angiographic correlation. Clark WM, et al. **AJNR** 1981 Sep–Oct;2(5):443–7
Sonographic demonstration of Galenic arteriovenous malformations in the neonate. Cubberley DA, et al. **AJNR** 1982 Jul–Aug;3(4):435–9
Complicated infantile meningitis: evaluation by real-time sonography. Edwards MK, et al. **AJNR** 1982 Jul–Aug; 3(4):431–4
Natural history of experimental intracerebral hemorrhage: sonography, computed tomography and neuropathology. Enzmann DR, et al. **AJNR** 1981 Nov–Dec;2(6):517–26
Sonography of the adult brain through surgical defects. Gooding GA, et al. **AJNR** 1981 Sep–Oct;2(5):449–52
Diagnostic imaging of the neonatal brain: review and protocol. Harwood-Nash DC, et al. **AJNR** 1982 Mar–Apr; 3(2):103–15
Intraoperative sonography of meningiomas. Rubin JM, et al. **AJNR** 1982 May–Jun;3(3):305–8
Benign vascular tumors of the liver in infants: sonographic appearance. Abramson SJ, et al. **AJR** 1982 Apr; 138(4):629–32
Sonography of polyhydramnios. Alexander ES, et al. **AJR** 1982 Feb;138(2):343–6
Sonography in the diagnosis of branchial cysts. Badami JP, et al. **AJR** 1981 Dec;137(6):1245–8
The art of dynamic imaging. Birnholz JC. **AJR** 1981 Dec; 137(6):1284–5
Sonographic findings in advanced abdominal pregnancy. Blackwelder JT, et al. **AJR** 1981 Dec;137(6):1259–61
Sonography of adrenal pheochromocytomas. Bowerman RA, et al. **AJR** 1981 Dec;137(6):1227–31
Postmenopausal uterine fluid collection: indicator of carcinoma. Breckenridge JW, et al. **AJR** 1982 Sep; 139(3):529–34
Sonographic diagnosis of neonatal meconium cyst. Carroll BA, et al. **AJR** 1981 Dec;137(6):1262–4
Asymptomatic thyroid nodules: incidental sonographic detection. Carroll BA. **AJR** 1982 Mar;138(3):499–501
Pyonephrosis: sonography in the diagnosis and management. Colemen BG, et al. **AJR** 1981 Nov;137(5):939–43
Bedside drainage of abscesses with sonographic guidance in the desperately ill. Crass JR, et al. **AJR** 1982 Jul; 139(1):183–5
Sonography of hypertensive portal venous system: correlation with arterial portography. Dach JL, et al. **AJR** 1981 Sep;137(3):511–7
Collateral veins in portal hypertension: demonstration by sonography. Dökmeci AK, et al. **AJR** 1981 Dec; 137(6):1173–7
Renal infarction appearing as an echogenic mass. Erwin BC, et al. **AJR** 1982 Apr;138(4):759–61
The 'target' pattern: characteristic sonographic feature of stomach and bowel abnormalities. Fakhry JR, et al. **AJR** 1981 Nov;137(5):969–72
Sonography of Nabothian cysts. Fogel SR, et al. **AJR** 1982 May;138(5):927–30
Nephrocalcinosis: sonographic detection in Cushing syndrome. Foley LC, et al. **AJR** 1982 Sep;139(3):610–2
Disease in the femoral triangle: sonographic appearance. Gitschlag KF, et al. **AJR** 1982 Sep;139(3):515–9
Medullary nephrocalcinosis: sonographic evaluation. Glazer GM, et al. **AJR** 1982 Jan;138(1):55–7
Sonographic detection of occult testicular neoplasms. Glazer HS, et al. **AJR** 1982 Apr;138(4):673–5
Intrahepatic gas: differential diagnosis. Gosink BB. **AJR** 1981 Oct;137(4):763–7
Evolution of porencephalic cysts from intraparenchymal hemorrhage in neonates: sonographic evidence. Grant EG, et al. **AJR** 1982 Mar;138(3):467–70
Drainage of abdominal abscesses guided by sonography. Grønvall S, et al. **AJR** 1982 Mar;138(3):527–9
Fetal abdominal circumference as a predictor of menstrual age. Hadlock FP, et al. **AJR** 1982 Aug;139(2):367–70
CT and sonographic appearance of hepatic vein obstruction. Harter LP, et al. **AJR** 1982 Jul;139(1):176–8
The hyperechogenic liver in children: cause and sonographic appearance. Henschke CI, et al. **AJR** 1982 May; 138(5):841–6
Parapelvic cysts: appearance on CT and sonography. Hidalgo H, et al. **AJR** 1982 Apr;138(4):667–71
Review. In utero sonographic diagnosis of fetal cerebral anomalies. Hidalgo H, et al. **AJR** 1982 Jul;139(1):143–8 (31 ref.)
Sonographic diagnosis of afferent loop obstruction. Hopens T, et al. **AJR** 1982 May;138(5):967–9
Sonography of abruptio placentae. Jaffe MH, et al. **AJR** 1981 Nov;137(5):1049–54
Biparietal and fetal body diameters [letter] Jeanty P. **AJR** 1982 Jan;138(1):181
Sonography of the low-lying placenta: value of Trendelenburg and traction scans. Jeffrey RB, et al. **AJR** 1981 Sep;137(3):547–9
Arthrosonography in the diagnosis of pigmented villonodular synovitis. Kaufman RA, et al. **AJR** 1982 Aug;139(2):396–8
Real-time sonographic detection of vesicoureteral reflux in children. Kessler RM, et al. **AJR** 1982 Jun;138(6):1033–6
Spontaneously echogenic arterial blood flow in abdominal aortic aneurysms. King DL, et al. **AJR** 1982 Feb; 138(2):350–2
Liver abscess: sonography in diagnosis and treatment. Kuligowska E, et al. **AJR** 1982 Feb;138(2):253–7
Sonography of hepatic chloromas. Lepke R, et al. **AJR** 1982 Jun;138(6):1176–7
Toxic shock syndrome: sonographic appearance of the liver. Lieberman JM, et al. **AJR** 1981 Sep;137(3):606–7
Sonographic findings in perforation of the gallbladder. Madrazo BL, et al. **AJR** 1982 Sep;139(3):491–6
Sonographic demonstration of fetal acrania. Mannes EJ, et al. **AJR** 1982 Jul;139(1):181–2
Sonographic demonstration of the right ascending lumbar vein. Manor A, et al. **AJR** 1982 Feb;138(2):339–41
Sonographic diagnosis of omphalocele in utero. Nelson PA, et al. **AJR** 1982 Jun;138(6):1178–80
Noninvasive testing for carotid artery stenosis: II. Clinical application of accuracy assessments. O'Leary DH, et al. **AJR** 1982 Jan;138(1):109–11
Sonographic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **AJR** 1982 Jun;138(6):1025–32
Sonography of splenic abscess. Pawar S, et al. **AJR** 1982 Feb;138(2):259–62
Use of 5.0 MHz transducer in the evaluation of pleural masses. Phillips G, et al. **AJR** 1981 Nov;137(5):1085–7
Normal infant brain anatomy: correlated real-time sonograms and brain specimens. Pigadas A, et al. **AJR** 1981 Oct; 137(4):815–20
Biliary sonography: ventral bowing of the dilated common duct. Ralls PW, et al. **AJR** 1981 Dec;137(6):1127–9
Sonography of pyogenic splenic abscess. Ralls PW, et al. **AJR** 1982 Mar;138(3):523–5
Dynamic cholecystosonography of the contracted gallbladder: the double-arc-shadow sign. Raptopoulos V, et al. **AJR** 1982 Feb;138(2):275–8
High-resolution parathyroid sonography. Reading CC, et al. **AJR** 1982 Sep;139(3):539–46
Sonographic demonstration of bladder duplication. Richman TS, et al. **AJR** 1982 Sep;139(3):604–5
Sonographic demonstration of abdominal visceral lymph node enlargement. Ritchie WG. **AJR** 1982 Mar; 138(3):517–21
The fluid-filled stomach as an acoustic window to the left kidney. Rosenberg ER, et al. **AJR** 1982 Jan;138(1):175–6
Renal parenchymal disease: histopathologic-sonographic correlation. Rosenfield AT, et al. **AJR** 1981 Oct; 137(4):793–8
Sonographic diagnosis of biliary ascariasis. Schulman A, et al. **AJR** 1982 Sep;139(3):485–9
Continuous sonographic monitoring of IUD extraction during pregnancy: preliminary report. Shalev J, et al. **AJR** 1982 Sep;139(3):521–3
Real-time sonographic sector scanning of the neonatal cranium: technique and normal anatomy. Shuman WP, et al. **AJR** 1981 Oct;137(4):821–8
Evaluation of acute right upper quadrant pain: sonography and 99mTc-PIPIDA cholescintigraphy. Shuman WP, et al. **AJR** 1982 Jul;139(1):61–4
Diagnostic imaging of acute pancreatitis: prospective study using CT and sonography. Silverstein W, et al. **AJR** 1981 Sep;137(3):497–502
Left renal vein varix simulating a pancreatic pseudocyst by sonography. Spira R, et al. **AJR** 1982 Jan;138(1):149–50
Sonographic diagnosis of scrotal hernia. Subramanyam BR, et al. **AJR** 1982 Sep;139(3):535–8
Portal vein measurements by real-time sonography. Weinreb J, et al. **AJR** 1982 Sep;139(3):497–9
Intrauterine sonography of thoracic ectopia cordis. Wicks JD, et al. **AJR** 1981 Sep;137(3):619–21
Cholecystitis: prospective evaluation of sonography and 99mTc-HIDA cholescintigraphy. Worthen NJ, et al. **AJR** 1981 Nov;137(5):973–8
Sonographic features of placental complications in pregnancy. Yiu-Chiu V, et al. **AJR** 1982 May;138(5):879–85
Percutaneous nephrostomy: comparison of sonographic and fluoroscopic guidance. Zegel HG, et al. **AJR** 1981 Nov; 137(5):925–7
Ultrasound of the female breast: current state of the art. Brascho DJ. **Ala J Med Sci** 1982 Jan;19(1):83–7
Real-time diagnostic ultrasound in obstetrics. Nelson LH, et al. **Am Fam Physician** 1982 Jan;25(1):149–56
Fetal femur length and gestational age. Queenan JT, et al. **Am Fam Physician** 1982 Apr;25(4):165–7
Noninvasive measurement of human right intraventricular blood velocity by an ultrasonic technique. Olson RM, et al. **Am J Cardiol** 1982 May;49(7):1711–8
A new technique for noninvasive evaluation of femoral arterial and venous anatomy before and after percutaneous cardiac catheterization in children and infants. Sahn DJ, et al. **Am J Cardiol** 1982 Feb 1;49(2):349–55
Diagnostic ultrasound. Current pediatric applications. Bowen A, et al. **Am J Dis Child** 1981 Oct;135(10):954–64 (183 ref.)
Real-time ultrasonography: its use in diagnosis and management of neonatal hydrocephalus. Horbar JD, et al. **Am J Dis Child** 1982 Aug;136(8):693–6
Prepubertal gynecomastia caused by an adrenal tumor. Diagnostic value of ultrasonography. Itami RM, et al. **Am J Dis Child** 1982 Jul;136(7):584–6
Normal gallbladder appearing as abdominal mass in neonates. Liechty EA, et al. **Am J Dis Child** 1982 May;136(5):468–9
Ultrasound screening for abdominal masses in the neonatal period. Wilson DA. **Am J Dis Child** 1982 Feb;136(2):147–51
Diagnostic utility of sonography and computed tomography in spontaneous mesenteric hematoma. Raghavendra BN, et al. **Am J Gastroenterol** 1982 Aug;77(8):570–3
The role of computed tomography in the evaluation of adult polycystic kidney disease. Levine E, et al. **Am J Kidney Dis** 1981 Sep;1(2):99–105
Antenatal ultrasound diagnosis of holoprosencephaly: a case report. Blackwell DE, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):848–9
Antenatal sonographic findings of osteogenesis imperfecta. Chervenak FA, et al. **Am J Obstet Gynecol** 1982 May 15; 143(2):228–30
Ultrasound in determination of fetal sex [letter] Defoort P, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):852
Longitudinal studies of fetal growth with the use of dynamic image ultrasonography. Deter RL, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):545–54
The prenatal diagnosis and management of a hepatoomphalocele. Didolkar SM, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):221–2
Fetal weight estimation by real-time ultrasound measurement of biparietal and transverse trunk diameter. Dornan KJ, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):652–7
Fetal lung maturity: the adjunctive use of ultrasound. Golde SH, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):445–7
Using ultrasound and amniotic fluid determinations to diagnose intrauterine growth retardation before birth: a clinical model. Gross TL, et al. **Am J Obstet Gynecol** 1982 Jun 1;143(3):265–9
Diagnosis of fetal skeletal dysplasias with ultrasound. Hobbins JC, et al. **Am J Obstet Gynecol** 1982 Feb 1; 142(3):306–12
Stage II ultrasound examination for the diagnosis of fetal abnormalities with an elevated amniotic fluid alpha-fetoprotein concentration. Hobbins JC, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1026–9
Comparison of ultrasound femur length and biparietal diameter in late pregnancy. Hohler CW, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):759–62
Fetal femur length: equations for computer calculation of gestational age from ultrasound measurements. Hohler CW, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):479–81
Real-time ultrasonography for the differential diagnosis of intrapartum fetal death. Hutson JM, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1057–9
Sonographic evaluation of ectopic pregnancy [letter] Kadar N, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):473–5
Ultrasonic assessment of fetal kidney function in normal and complicated pregnancies. Kurjak A, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):266–70
Pelvic mass in late-pregnancy sonography of uterine duplication: report of two cases. Kutcher R, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):603–5
A comparison of two fetal heart rate ultrasound detector systems. Lawson G, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):840–1
Real-time B scanning in the diagnosis of neonatal intracranial hemorrhage. Lebed MR, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):851–61
Prenatal ultrasound diagnosis of thrombocytopenia with absent radii. Luthy DA, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):350–1
Ultrasound fetal femur length in relation to intrauterine growth retardation. Part II. O'Brien GD, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):35–9
Benign intracranial teratoma--prenatal diagnosis influencing early delivery. Paes BA, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):600–1
Real-time ultrasound of the placenta in assessment of fetal pulmonic maturity. Petrucha RA, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):463–7
Ultrasonic placental grading and fetal pulmonary maturity. Quinlan RW, et al. **Am J Obstet Gynecol** 1982 Jan 1; 142(1):110–1
Heterotopic pregnancy: reappraisal of incidence. Richards SR, et al. **Am J Obstet Gynecol** 1982 Apr 1;142(7):928–30
Antenatal sonographic diagnosis of umbilical cord laceration. Romero R, et al. **Am J Obstet Gynecol** 1982 Jul 15; 143(6):719–20
Prediction of intrauterine fetal weight using real-time ultrasound. Sampson MB, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):554–6
Ultrasound determination of fetal sex. Shalev E, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):582–3
An evaluation of two equations for predicting fetal weight by ultrasound. Shepard MJ, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):47–54
Sonographic detection of polyhydramnios: a five-year

experience. Zamah NM, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):523–7
An ultrasonographic study of early buckle height after sponge explants. Irvine AR, et al. **Am J Ophthalmol** 1981 Sep;92(3):403–6
Ultrasonography: hepatic vein thrombosis in sickle cell anemia. Sty JR. **Am J Pediatr Hematol Oncol** 1982 Summer;4(2):213–5
The feasibility of echometric detection of cancer in the lower gastrointestinal tract. Part II. Wild JJ, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1978 Mar–Apr;29(2):11–3, 15–6, 18–20
Role of ultrasonography, gallium scanning, and computed tomography in the diagnosis of intraabdominal abscess. Moir C, et al. **Am J Surg** 1982 May;143(5):582–5
Doppler ultrasound technique for safer percutaneous catheterization of the infraclavicular subclávian vein. Peters JL, et al. **Am J Surg** 1982 Mar;143(3):391–3
Doppler evaluation of the pedal arch. Roedersheimer LR, et al. **Am J Surg** 1981 Nov;142(5):601–4
Evaluation of an ultrasonic amplitude depth analysis technique for pregnancy diagnosis in the cow. Archibong AE, et al. **Am J Vet Res** 1982 Apr;43(4):711–3
Biometric study of the canine eye, using A–mode ultrasonography. Schiffer SP, et al. **Am J Vet Res** 1982 May;43(5):826–30
Ultrasonically guided aspiration needle biopsy in disease of the chest. Izumi S, et al. **Am Rev Respir Dis** 1982 Apr; 125(4):460–4
Noninvasive assessment of the transplanted kidney: ultrasound vs. computerized tomography. Nghiem DD, et al. **Am Surg** 1981 Nov;47(11):492–4
Intra–abdominal mesenteric desmoid tumors. Sampliner JE, et al. **Am Surg** 1982 Jul;48(7):316–9
Cardiac output changes during Caesarean section. Measurement by transcutaneous aortovelography. Newman B. **Anaesthesia** 1982 Mar;37(3):270–3
Use of Doppler for difficult axillary block [letter] Abramowitz HB, et al. **Anesthesiology** 1981 Nov;55(5):603
Blood flow in the calf during and after exercise: measurements with Doppler ultrasound and venous occlusion plethysmography in healthy subjects and in patients with arterial occlusive disease. Bernink PJ, et al. **Angiology** 1982 Mar;33(3):146–60
Comparative study of strain gauge plethysmography and Doppler ultrasound in patients with occlusive arterial disease of the lower extremities. Breslau PJ, et al. **Angiology** 1981 Dec;32(12):840–5
Chronic congestive heart failure: observations at abdominal ultrasound with a comparison of abdominal veins in healthy individuals. Kaude JV, et al. **Angiology** 1982 Mar; 33(3):199–205
Objective criteria for the interpretation of carotid artery spectral analysis patterns. Keagy BA, et al. **Angiology** 1982 Apr;33(4):213–20
Abdominal ultrasonography for assessment of patency of the inferior vena cava after clipping. Mosimann F, et al. **Angiology** 1982 Jul;33(7):446–9
Ocular toxocariasis demonstrated by ultrasound. Kennedy JJ, et al. **Ann Ophthalmol** 1981 Dec;13(12):1357–8
Ossoinig's angle of ultrasonic absorption and its role in the diagnosis of malignant melanoma. Minning CA Jr, et al. **Ann Ophthalmol** 1982 Jun;14(6):564–8
Diagnosis and monitoring in arterial surgery: the use of ultrasound and related techniques. Baird RN. **Ann R Coll Surg Engl** 1982 Mar;64(2):91–5
Subcapsular hematomas of the liver in the newborn. Cohen JY, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):34–40 **(Eng, Fre)**
Ultrasound diagnosis and follow–up of brain hemorrhages in premature infants. Couture A, et al. **Ann Radiol (Paris)** 1982 Jan;25(1):72–80 **(Eng, Fre)**
Solitary intraperitoneal cystic lesions in newborn girls: ten cases studied by ultrasound. Montagne JP, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):131–5 **(Eng, Fre)**
Ultrasonography of superficially located structures. Schumacher R, et al. **Ann Radiol (Paris)** 1982 Feb; 25(2):119–23 **(Eng, Fre)**
Ultrasonographic diagnosis of a parathyroid adenoma and a renal calculus in a fifteen year old girl. Willi U, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):146–50 **(Eng, Fre)**
Evaluation of popliteal cysts and painful calves with ultrasonography: comparison with arthrography. Gompels BM, et al. **Ann Rheum Dis** 1982 Aug;41(4):355–9
Treatment of abdominal abscesses: comparative evaluation of operative drainage versus percutaneous catheter drainage guided by computed tomography or ultrasound. Johnson WC, et al. **Ann Surg** 1981 Oct;194(4):510–20
Transcutaneous quantitation of arterial flow with ultrasound. Kasulke RJ, et al. **Ann Surg** 1982 Apr;195(4):464–8
Oculopneumoplethysmography, Doppler examination, and supraorbital photoplethysmography: a comparison of hemodynamic techniques in assessing cerebrovascular occlusive disease. Lynch TG, et al. **Ann Surg** 1981 Dec; 194(6):731–6
Small–part ultrasonography in primary hyperparathyroidism: initial experience. van Heerden JA, et al. **Ann Surg** 1982 Jun;195(6):774–80
Ultrasonic tissue characterization. Linzer M, et al. **Annu Rev Biophys Bioeng** 1982;2:303–29 (69 ref.)
Timing of neonatal cerebroventricular haemorrhage with ultrasound. de Crespigny LC, et al. **Arch Dis Child** 1982 Mar;57(3):231–3
Elusive blood clots and fluctuating ventricular dilatation after neonatal intraventricular haemorrhage. Fawer CL, et al. **Arch Dis Child** 1982 Feb;57(2):158–60
Measurement of the growth of the lateral ventricles in preterm infants with real–time ultrasound. Levene MI. **Arch Dis Child** 1981 Dec;56(12):900–4
Liver volume estimation using ultrasound scanning. Rylance GW, et al. **Arch Dis Child** 1982 Apr;57(4):283–6
Bedside ultrasound diagnosis of residual urine volume. Henriksson L, et al. **Arch Gynecol** 1982;231(2):129–33
Extracranial carotid artery arteriosclerosis. Diagnosis with continuous–wave Doppler and real–time ultrasound studies. Jones AM, et al. **Arch Neurol** 1982 Jul;39(7):393–4
Ultrasonography of vitreal foreign bodies in eyes obtained at autopsy. Awschalom L, et al. **Arch Ophthalmol** 1982 Jun;100(6):979–80
Accuracy of ultrasound intraocular lens calculation. Hoffer KJ. **Arch Ophthalmol** 1981 Oct;99(10):1819–23
Ocular echometry in the diagnosis of congenital glaucoma. Sampaolesi R, et al. **Arch Ophthalmol** 1982 Apr; 100(4):574–7
The ultrasonic image of the acetabular rim in infants. An experimental and clinical investigation. Graf R. **Arch Orthop Trauma Surg** 1981;99(1):35–41
Audible interpretation of carotid Doppler signals. An improved technique to define carotid artery disease. Barnes RW, et al. **Arch Surg** 1981 Sep;116(9):1185–9
Real–time Doppler spectrum analysis: predictive value in defining operable carotid artery disease. Barnes RW, et al. **Arch Surg** 1982 Jan;117(1):52–7
Evaluation of carotid bifurcation disease: the role of common carotid artery velocity patterns. Breslau PJ, et al. **Arch Surg** 1982 Jan;117(1):58–60
Pseudocyst of the pancreas in childhood. Current advances in diagnosis. Kagan RJ, et al. **Arch Surg** 1981 Sep; 116(9):1200–3
Mechanical plethysmography and Doppler ultrasound. Diagnosis of deep–venous thrombosis. Schroeder PJ, et al. **Arch Surg** 1982 Mar;117(3):300–3
Ultrasonic assistance during surgery for pancreatic inflammatory disease. Sigel B, et al. **Arch Surg** 1982 May; 117(5):712–6
Ultrasonic imaging during vascular surgery. Sigel B, et al. **Arch Surg** 1982 Jun;117(6):764–7
Detection of pancreatic tumors by ultrasound during surgery. Sigel B, et al. **Arch Surg** 1982 Aug;117(8):1058–61
A comparison of standard cerebral arteriography with noninvasive Doppler imaging and intravenous angiography. Turnipseed WD, et al. **Arch Surg** 1982 Apr; 117(4):419–21
Diagnostic uses and pitfalls of computed tomography and ultrasound in the abdomen and pelvis. Hunter TB, et al. **Ariz Med** 1982 May;39(5):303–7
Use of ultrasound in identifying tophaceous versus rheumatoid nodules [letter] Tiliakos N, et al. **Arthritis Rheum** 1982 Apr;25(4):478–9
Diagnostic ultrasound in diseases of the biliary tree, liver and pancreas. Blecher CM. **Aust Fam Physician** 1981 Jun; 10(6):496–500
The use of antenatal tests of fetal welfare. Morrison J, et al. **Aust Fam Physician** 1982 Feb;11(2):88–93
Ultrasound in gonadotrophin therapy: a better predictor of ovarian hyperstimulation? Bryce RL, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):237–9
Prediction of the extremes of birth weight from a single ultrasound examination at 34 weeks of gestation. Duff GB, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):85–7
Ethnic considerations in ultrasonic scanning of fetal biparietal diameters. Walton SM. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):82–4
Real–time scanning of the neonatal brain. de Crespigny LC, et al. **Aust Paediatr J** 1981 Jun;17(2):78–82
The diagnosis and management of abdominal aortic aneurysms: a comparison of computed tomography, ultrasound and aortography. Thomas ML, et al. **Australas Radiol** 1981 Jul;25(2):162–8
A practical ultrasonic plethysmograph. Wu VC, et al. **Aviat Space Environ Med** 1982 Apr;53(4):375–8
Observations on coronary conductance artery vasomotion by induction angiometry and ultrasonic dimensions technique Bassenge E, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):524–9
Noninvasive characterization of normal and abnormal renal artery blood flow patterns using ultrasound echo–Doppler (Duplex) scanning. Greene ER, et al. **Biomed Sci Instrum** 1981;17:79–84
Applications of ultrasound to veterinary diagnostics in a veterinary teaching hospital. Miller CW, et al. **Biomed Sci Instrum** 1981;17:85–90
Detection of birth defects by ultrasonography. Robinson HP. **Birth Defects** 1981;17(1):17–30
Diagnostic ultrasound time–lapse and transmission electron microscopic studies of cells insonated in vitro. Liebeskind D, et al. **Br J Cancer [Suppl]** 1982 Mar;45(5):176–86
Skin thickness measurement by pulsed ultrasound: its reproducibility, validation and variability. Tan CY, et al. **Br J Dermatol** 1982 Jun;106(6):657–67
The present status of ultrasound in obstetrics. Neilson JP, et al. **Br J Hosp Med** 1982 Mar;27(3):236, 238–41
Routine real–time scanning at the first hospital visit. Anderson RS, et al. **Br J Obstet Gynaecol** 1982 Jan; 89(1):16–9
Predictive value of ultrasound measurement in early pregnancy: a randomized controlled trial. Bennett MJ, et al. **Br J Obstet Gynaecol** 1982 May;89(5):338–41
Chorioangioma of the placenta: an ultrasonic study. Case report. Liang ST, et al. **Br J Obstet Gynaecol** 1982 Jun; 89(6):480–2
Fetal growth delay in threatened abortion: an ultrasound study. Mantoni M, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):525–7
Ultrasonic assessment of cardiovascular geometry and function in the human fetus. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):870–5
M–mode and pulsed Doppler ultrasound assessment of severe fetal bradycardia. A case report. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1246–8
M–mode ultrasonic assessment of fetal cardiovascular dynamics. Wladimiroff JW, et al. **Br J Obstet Gynaecol** 1981 Dec;88(12):1241–5
An Ultrasound technique for the measurement of tardive dyskinesia. Resek G, et al. **Br J Psychiatry** 1981 Jun; 138:474–8
Use of ultrasound to measure the lumbar spinal canal [letter] **Br J Radiol** 1981 Dec;54(648):1116
The ultrasound diagnosis of emphysematous cholecystitis. Blaquière RM, et al. **Br J Radiol** 1982 Feb;55(650):114–6
A case of aneurysm of the splenic artery visualized by dynamic ultrasonography. Bolondi L, et al. **Br J Radiol** 1981 Dec;54(648):1109–11
Ultrasound in hepatoma [letter] Calder JF. **Br J Radiol** 1981 Sep;54(645):819
The accuracy of dimensional measurement in ultrasonic real–time scanning. Chivers RC, et al. **Br J Radiol** 1981 Nov;54(647):978–81
ULtrasonography in acute cholecystitis. Croce F, et al. **Br J Radiol** 1981 Nov;54(647):927–31
The errors of linear measurements using ultrasonic B–scanners [letter] Davies P. **Br J Radiol** 1982 May; 55(653):380–1
The value of transfontanellar ultrasound in infants. Dewbury KC, et al. **Br J Radiol** 1981 Dec;54(648):1044–52
An appraisal of the use of diagnostic ultrasound to quantify the lun bar spinal canal. Finlay D, et al. **Br J Radiol** 1981 Oct;54(646):870–4
Retroperitoneal angiomatous lymphoid hamartoma demonstrated by ultrasound. Hamilton S, et al. **Br J Radiol** 1981 Sep;54(645):813–5
A simple tissue–like ultrasound phantom material. Lerski RA, et al. **Br J Radiol** 1982 Feb;55(650):156–7
Inversion of the right hemidiaphragm shown on ultrasound examination. Lowe SH, et al. **Br J Radiol** 1981 Sep; 54(645):754–7
Antenatal diagnosis of osteogenesis imperfecta by real time ultrasound: two case reports. Milsom I, et al. **Br J Radiol** 1982 Apr;55(652):310–2
Use of diagnostic ultrasound to measure the lumbar spinal canal [letter] Nachemson A, et al. **Br J Radiol** 1981 Nov; 54(647):1010–1
Ultrasound features of tumour thrombus in the IVC in retroperitoneal tumours. Pussell SJ, et al. **Br J Radiol** 1981 Oct;54(646):866–9
Ultrasonographic evaluation of hepatic metastases in testicular tumour. Sekiya T, et al. **Br J Radiol** 1982 May; 55(653):338–41
Ultrasound diagnosis of hydrops fetalis due to fetal tachycardia. Shirley IM, et al. **Br J Radiol** 1981 Sep; 54(645):815–7
Spectral analysis of doppler ultrasound: its clinical application in lower limb ischaemia. Aukland A, et al. **Br J Surg** 1982 Sep;69(9):539–42
Assessment of aorto–iliac disease by non–invasive quantitative Doppler waveform analysis. Demorais D, et al. **Br J Surg** 1981 Nov;68(11):789–92
Is an early ultrasound scan of value in acute pancreatitis? McKay AJ, et al. **Br J Surg** 1982 Jul;69(7):369–72
Detection of carotid bifurcation disease: comparison of ultrasound tests with angiography. Padayachee TS, et al. **Br J Surg** 1982 Apr;69(4):218–22
A comparison between digital examination and per–rectal ultrasound in the evaluation of the prostate. Brooman PJ, et al. **Br J Urol** 1981 Dec;53(6):617–20
Ultrasound in the staging of bladder tumours. A review after 6 years. Kyle KF. **Br J Urol** 1982 Feb;54(1):65
Ultrasound assessment of fetal growth patterns. Meire HB. **Br Med Bull** 1981 Sep;37(3):253–8 (32 ref.)
Gall–stone dissolution and recurrence: are we being misled? [letter] **Br Med J [Clin Res]** 1982 Jul 10;285(6335):131–3
Ultrasound–guided fetal intravenous transfusion for severe rhesus haemolytic disease. Bang J, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):373–4
Accuracy of early estimation of maturity at a district general hospital. Brindle MJ. **Br Med J [Clin Res]** 1981 Dec 12; 283(6306):1572–5
New imaging techniques: their relation to conventional radiology. Steiner RE. **Br Med J [Clin Res]** 1982 May 29; 284(6329):1590–2 (40 ref.)
Internal carotid blood flow velocity in children with cerebral palsy by Doppler Ultrasound method. Futagi Y, et al. **Brain Dev** 1982;4(1):27–33
Ultrasonography of haemangioma of the optic disc. Goes F, et al. **Bull Soc Belge Ophtalmol** 1980;190:87–97
Ultrasonography in the diagnosis of intraocular tumours.

Goes F. **Bull Soc Belge Ophtalmol** 1981;193:169–79

Ultrasonographic aid in the diagnosis of choroidal hemangioma. Goes F, et al. **Bull Soc Belge Ophtalmol** 1980; 191:97–111

Thrombosis in the upper extremity: use of Doppler ultrasound for diagnosis. Bernier V, et al. **Can Anaesth Soc J** 1981 Nov;28(6):579–84

Noninvasive tests for carotid atherosclerosis [editorial] Spence JD. **Can J Ophthalmol** 1982 Apr;17(2):47–8

Ultrasonography in the diagnosis of rectus abdominis hematoma. Trias A, et al. **Can J Surg** 1981 Sep;24(5):524–5

Prenatal diagnosis of Turner's syndrome by ultrasonography. Hunter AG, et al. **Can Med Assoc J** 1982 Sep 1;127(5):401

Imaging of the pelvic contents in the female oncologic patient. Bernardino ME, et al. **Cancer** 1981 Jul 15;48(2 Suppl):504–10

Ultrasound scanning in patients with clinical suspicion of pancreatic cancer: a retrospective study. Pollock D, et al. **Cancer** 1981 Mar 15;47(6 Suppl):1662–5

Functional anatomy of extracranial arteries in occlusive vascular diseases by direct continuous wave Doppler sonography. Diener HC, et al. **Cardiovasc Intervent Radiol** 1981;4(3):193–201

Pulsed Doppler: determination of blood velocity and volume flow in normal and diseased common carotid arteries in man. Fitzgerald DE, et al. **Cardiovasc Res** 1982 Apr; 16(4):220–4

Measurement of instantaneous blood–flow velocity in the human aorta using pulsed Doppler ultrasound. Gisvold SE, et al. **Cardiovasc Res** 1982 Jan;16(1):26–33

Gray–scale ultrasonography, an integral part of diagnostic radiology. Wang SX, et al. **Chin Med J [Engl]** 1982 Feb; 95(2):79–88

Accuracy of an ultrasound Doppler servo method for noninvasive determination of instantaneous and mean arterial blood pressure. Aaslid R, et al. **Circulation** 1981 Oct;64(4):753–9

Ultrasonic duplex scanning for disease of the carotid artery. Fell G, et al. **Circulation** 1981 Dec;64(6):1191–5

Duplex Doppler scanning and spectral bruit analysis for diagnosing carotid stenosis. Lees RS, et al. **Circulation** 1982 Aug;66(2 Pt 2):I102–5

Comparison of continuous–wave Doppler imaging, oculopneumoplethysmography, and the cerebrovascular Doppler examination. Lynch TG, et al. **Circulation** 1982 Aug;66(2 Pt 2):I106–11

Reat–time inferior vena caval ultrasonography: normal and abnormal findings and its use in assessing right–heart function. Mintz GS, et al. **Circulation** 1981 Nov; 64(5):1018–25

Pulmonary regurgitation studied with the ultrasonic pulsed Doppler technique. Miyatake K, et al. **Circulation** 1982 May;65(5):969–76

Lymphoma of kidney mimicking simple renal cyst on ultrasound. Heelan RT, et al. **Clin Bull** 1981;11(3):139–41

Invasive and noninvasive assessment of pulmonic regurgitation: clinical, angiographic, phonocardiographic, echocardiographic, and Doppler ultrasound correlations. Chandraratna PA, et al. **Clin Cardiol** 1982 Jun;5(6):360–5

Original technique in mammary echotomography. Nardelli GB, et al. **Clin Exp Obstet Gynecol** 1981;8(3):141–3

Prognostic value of hCG, progesterone, 17–beta estradiol and the echoscopic examination in threatened abortion during the first trimester. Stoppelli I, et al. **Clin Exp Obstet Gynecol** 1981;8(1):6–11

Guidelines for noninvasive evaluation of asymptomatic carotid bruits. Kartchner MM, et al. **Clin Neurosurg** 1981; 28:418–28

Combined nuclear medicine and ultrasound studies in the evaluation of suppressed thyroid tissue. Cornelius EA. **Clin Nucl Med** 1982 Jan;7(1):8–9

Suspected acute cholecystitis. Comparison of hepatobiliary scintigraphy versus ultrasonography. Freitas JE, et al. **Clin Nucl Med** 1982 Aug;7(8):364–7

Ga–67–citrate and ultrasonographic visualization of genitourinary tuberculosis. Leventhal WD, et al. **Clin Nucl Med** 1981 Oct;6(10):504–5

Diagnostic imaging of choledochal cysts. Mettler FA Jr, et al. **Clin Nucl Med** 1981 Nov;6(11):513–8

Sequential liver imaging in the hypereosinophilic syndrome [letter] Miller EI. **Clin Nucl Med** 1981 Oct;6(10):506

Ultrasound measurement of contraction response of the gallbladder: comparison with the radionuclide test for cystic duct patency. Okulski TA, et al. **Clin Nucl Med** 1982 Mar;7(3):117–21

The use of portable realtime ultrasound in the assessment of fetal weight during labor in the high–risk patient. DeVore GR, et al. **Clin Obstet Gynecol** 1982 Mar; 25(1):203–18 (39 ref.)

Ultrasonic detection of breast cancer. Kobayashi T. **Clin Obstet Gynecol** 1982 Jun;25(2):409–23

Intrauterine transfusions: new techniques and results. Larkin RM, et al. **Clin Obstet Gynecol** 1982 Jun;25(2):303–12

Antenatal ultrasonic diagnosis of genetic defects: present status. Sabbagha RE, et al. **Clin Obstet Gynecol** 1981 Dec; 24(4):1103–20 (21 ref.)

Ultrasound evaluation of the anterior musculofascial compartment of the leg following exercise. Gershuni DH, et al. **Clin Orthop** 1982 Jul;(167):185–90

The effect of proximal stenosis on Doppler waveforms: a comparison of three methods of waveform analysis in an animal model. Evans DH, et al. **Clin Phys Physiol Meas** 1981 Feb;2(1):17–25

Spectral analysis of Doppler velocity patterns in normals and patients with carotid artery stenosis. Bodily KC, et al. **Clin Physiol** 1981 Aug;1(4):365–74

Demonstration of septa in cystic lesions: comparison study by computed tomography and ultrasound. Araki T, et al. **Clin Radiol** 1982 May 3;33(3):325–9

Per rectal ultrasound in the investigation of prostatic disease. Brooman PJ, et al. **Clin Radiol** 1981 Nov;32(6):669–76

The use of B–mode ultrasound scanning in the management of carcinoma of the cervix: a preliminary report. Whipp EC, et al. **Clin Radiol** 1982 Jan;33(1):87–9

Ultrasound in obstetrics. Miller JM Jr, et al. **Compr Ther** 1982 Jun;8(6):53–8

Volume measurement based on serial ultrasound tomograms. Tamura S, et al. **Comput Biol Med** 1981;11(3):141–52

Evaluation of upper urinary tract by CT scan and ultrasonography. Appel L, et al. **Comput Tomogr** 1981 Apr–Jun;5(2):139–51

Evaluation of lower urinary tract by computed tomography and transrectal ultrasonography. Declercq G, et al. **Comput Tomogr** 1981 Apr–Jun;5(2):153–60

Ultrasonography of the eye. Hassani SN, et al. **CRC Crit Rev Diagn Imaging** 1982 Feb;17(3):161–216 (67 ref.)

Ultrasonographic evaluation of the gallbladder. Kane RA. **CRC Crit Rev Diagn Imaging** 1982;17(2):107–59 (55 ref.)

Sonographic features of gastrointestinal neoplasms. Madrazo BL, et al. **CRC Crit Rev Diagn Imaging** 1982 Feb; 17(3):217–37 (40 ref.)

Ultrasonographic evaluation of the kidney. Rosenberg ER. **CRC Crit Rev Diagn Imaging** 1982 Apr;17(4):239–76 (81 ref.)

Ultrasonographic findings of normal and pathologic placenta and umbilical cord. Yiu–Chiu V, et al. **CT** 1981 Jun; 5(2):136–85

Ultrasonography and computed tomography of retroperitoneal liposarcoma. Yiu–Chiu V, et al. **CT** 1981 Jun;5(2):98–109

Ultrasonographic evaluation of normal fetal anatomy and congenital malformations. Yiu–Chiu V, et al. **CT** 1981 Nov; 5(5):367–510

Ultrasonography in maternal complications of pregnancy. Yiu–Chiu VS, et al. **CT** 1981 Dec;5(6):552–624

Cardiac sound and ultrasound: echocardiographic and phonocardiographic correlations—Part I. Ronan JA Jr. **Curr Probl Cardiol** 1981 Aug;6(5):1–45

Cardiac sound and ultrasound: echocardiographic and phonocardiographic correlations—Part II. Ronan JA Jr. **Curr Probl Cardiol** 1981 Sep;6(6):1–58

Fetal movements. A comparison between maternal assessment and registration by means of dynamic ultrasound. Neldam S. **Dan Med Bull** 1982 May;29(4):197–9

The water cushion in dermatological diagnostic ultrasound. A new method. Weinraub Z, et al. **Dermatologica** 1982 May;164(5):357–9

Neurosonology of the infant and newborn. Williams JL. **Dev Med Child Neurol** 1982 Jun;24(3):390–3

The value of pelvic ultrasound in the diagnosis of ectopic pregnancy. Pelosi MA. **Diagn Gynecol Obstet** 1981 Winter; 3(4):337–46

Sonographic diagnosis of primary carcinoma of the gallbladder. Summary of one year's examinations. Bondestam S. **Diagn Imaging** 1981;50(4):197–200

Choice between US and CT in the radiological approach to the renal masses. Mobilio G, et al. **Diagn Imaging** 1982 Jan–Feb;51(1):32–8

Ultrasound demonstration of uterine anomaly and pregnancy. Radder RW, et al. **Diagn Imaging** 1982 Jan–Feb;51(1):39–46

A Doppler haematotachographic investigation in patients with ocular and orbital symptoms due to a carotid–cavernous fistula. de Keizer RJ. **Doc Ophthalmol** 1982 Jan 29;52(3–4):297–307

B–scan ultrasonography in optic nerve lesions. Kerlen CH. **Doc Ophthalmol** 1982 Jan 29;52(3–4):317–25

Accuracy of imaging of the brains of newborn infants by linear–array real–time ultrasound. Thorburn RJ, et al. **Early Hum Dev** 1982 Jan;6(1):31–46

The use of a Doppler ultrasound probe for localising arterial blood flow during upper gastrointestinal endoscopy. Beckly DE, et al. **Endoscopy** 1982 Jul;14(4):146–7

Integrated mammillary diagnostic experience: telethermography, mammography, echography, cytology. Mustacchi G, et al. **Eur J Gynaec Oncol** 1980 Dec; 1(3):185–7

Original technique in mammary echotomography. Nardelli GB, et al. **Eur J Gynaec Oncol** 1981;2(2):73–5

Echography and mammography in breast neoplasias. Resta P, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):181–4

Monitoring of HMG–stimulated follicular development by real–time ultrasound. Schmidt W, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Aug;12(2):95–105

Ultrasonic detection of bilateral ovarian cysts in the fetus. Jouppila P, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):87–92

Ultrasound evaluation of common bile duct size in normal adult patients and following cholecystectomy. A report of 750 cases. Bruneton JN, et al. **Eur J Radiol** 1981 May; 1(2):171–2

Grey–scale ultrasonography in the evaluation of primary carcinomas of the bile ducts. Dalla–Palma L, et al. **Eur J Radiol** 1982 May;2(2):135–8

Immersion ultrasonography of scrotal and testicular pathology. Friedrich M, et al. **Eur J Radiol** 1981 Mar; 1(1):60–6

Non–secreting islet cell adenoma of the pancreas evaluated by computed tomography and sonography. Report of a case. Frija J, et al. **Eur J Radiol** 1982 May;2(2):160–1

An neurotensinoma of the head of the pancreas. Demonstration by ultrasound and computed tomography. Maier W, et al. **Eur J Radiol** 1982 May;2(2):125–7

Sonographic demonstration of Cruveilhier–Baumgarten (CB) syndrome. Problems of differential diagnosis and nomenclature. Schulze PJ, et al. **Eur J Radiol** 1982 Feb; 2(1):72–7

The 'ghost tail' of the pancreas in ultrasonography. Suramo I, et al. **Eur J Radiol** 1982 May;2(2):139–40

Renal sonography in 1982. Successes and limitations: a general review. Weill F, et al. **Eur J Radiol** 1982 May; 2(2):141–51 (16 ref.)

Ultrasonic study of hepatic and splenic traumatic lesions. Weill F, et al. **Eur J Radiol** 1981 Aug;1(3):245–9

Pseudo–cystic patterns after removal of hydatid cysts involving the liver. Weill F, et al. **Eur J Radiol** 1981 Aug; 1(3):238–40

Ultrasonic patterns of acquired Budd–Chiari's syndromes. Weill FS, et al. **Eur J Radiol** 1981 Aug;1(3):236–7

Ultrasonographic antenatal detection of obstructed bladder. Diagnosis and management. Oesch I, et al. **Eur Urol** 1982; 8(2):78–81

Ultrasonic evidence for luteinization of unruptured preovulatory follicles. Coulam CB, et al. **Fertil Steril** 1982 Apr;37(4):524–9

Ultrasound in reproductive endocrinology. DeCherney AH, et al. **Fertil Steril** 1982 Mar;37(3):323–33 (55 ref.)

Ultrasound control of clomiphene/human chorionic gonadotropin stimulated cycles for oocyte recovery and in vitro fertilization. Hoult IJ, et al. **Fertil Steril** 1981 Sep; 36(3):316–9

Real time pelvic ultrasonography during the periovulatory period of patients attending an artificial insemination clinic. Marinho AO, et al. **Fertil Steril** 1982 May;37(5):633–8

Abnormal ovarian cycles as diagnosed by ultrasound and serum estradiol levels. Polan ML, et al. **Fertil Steril** 1982 Mar;37(3):342–7

The role of ultrasound in ovulation induction: a critical appraisal. Seibel MM, et al. **Fertil Steril** 1981 Nov; 36(5):573–7

Applications of Doppler ultrasound to foot and ankle care. Kwong PK. **Foot Ankle** 1982 Jan;2(4):220–3

Biochemical and cytological analyses of cystic fluid aspirated by percutaneous puncture under ultrasonic guidance in cystic diseases of the pancreas. Kimura K, et al. **Gastroenterol Jpn** 1982;17(1):4–9

Human endoscopic ultrasonography. Dimagno EP, et al. **Gastroenterology** 1982 Oct;83(4):824–9

Detection of Crohn's disease by ultrasound. Sonnenberg A, et al. **Gastroenterology** 1982 Aug;83(2):430–4

Comparison between laparoscopy, ultrasonography, and computed tomography in widespread and localized liver diseases. Mansi C, et al. **Gastrointest Endosc** 1982 May; 28(2):83–5

Population survey: ultrasonic cholecystography. Birnholz JC. **Gastrointest Radiol** 1982;7(2):165–7

Urgent real–time cholecystosonography in suspected acute cholecystitis. Bondestam S. **Gastrointest Radiol** 1981; 6(3):257–9

Ultrasonographic study of calcified hepatic metastases: a report of 13 cases. Bruneton JN, et al. **Gastrointest Radiol** 1982;7(1):61–3

Ultrasonography of the cecum. Gooding GA. **Gastrointest Radiol** 1981;6(3):243–6

Ultrasound in the diagnosis of a palpable abdominal mass. A prospective study of 107 patients. Holm HH, et al. **Gastrointest Radiol** 1982;7(2):149–51

Pancreatic ultrasound following blunt abdominal trauma. Kaude JV, et al. **Gastrointest Radiol** 1982;7(1):53–6

Abdominal ultrasound in patients with acute right upper quadrant pain. Philbrick TH, et al. **Gastrointest Radiol** 1981; 6(3):251–6

Floating stones in a nonopacified gallbladder: ultrasonographic sign of gas–containing gallstones. Strijk SP, et al. **Gastrointest Radiol** 1981;6(3):261–3

Sonography of exophytic gastrointestinal leiomyosarcoma. Subramanyam BR, et al. **Gastrointest Radiol** 1982; 7(1):47–51

Measurement of gastric emptying by real–time ultrasound. Bateman DN, et al. **Gut** 1982 Jun;23(6):524–7

Ultrasonic examination before external version of breech presentation. Kirkinen P, et al. **Gynecol Obstet Invest** 1982; 13(2):90–7

Basal body temperature as a method of ovulation detection: comparison with ultrasonographical findings. Wetzels LC, et al. **Gynecol Obstet Invest** 1982;13(4):235–40

Ultrasonography in the preoperative evaluation of neck abscesses. Kreutzer EW, et al. **Head Neck Surg** 1982 Mar–Apr;4(4):290–5

Recent advances in ultrasound: high–resolution imaging of superficial structures. Scheible W. **Head Neck Surg** 1981 Sep–Oct;4(1):58–63 (18 ref.)

Advances in hepatobiliary ultrasonography. Okuda K. **Hepatology** 1981 Nov–Dec;1(6):662–72 (95 ref.)

Failure to detect polycystic kidneys in utero by second trimester ultrasonography. Simpson JL, et al.

Hum Genet 1982;60(3):295
Investigation of sensory systems by means of focused ultrasound. Gershuni GV, et al. **Hum Physiol** 1981 May–Jun;7(3):173–7
Clinical imaging with transmissive ultrasonic computerized tomography. Greenleaf JF, et al.
IEEE Trans Biomed Eng 1981 Feb;28(2):177–85
Application of phase-insensitive detection and frequency-dependent measurements to computed ultrasonic attenuation tomography. Klepper JR, et al.
IEEE Trans Biomed Eng 1981 Feb;28(2):186–201
Computerized ultrasonic arteriography: a new technique for imaging the carotid bifurcation. Miles RD, et al.
IEEE Trans Biomed Eng 1982 May;29(5):378–81
The viewbox. Churchill R, et al. **IMJ** 1981 Nov; 160(5):291,399–400
Antenatal diagnosis of polycystic kidneys by ultrasound. Reddy YY, et al. **Indian J Pediatr** 1981 Sep–Oct; 48(394):609–10
Hepatic haematoma following blunt injury: non-operative management. Athey GN, et al. **Injury** 1982 Jan;13(4):302–6
Individualized chest wall compensating bolus for electron irradiation following mastectomy: an ultrasound approach. Beach JL, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov; 7(11):1607–11
A simple technique for determining internal mammary chain depth by sonography. Bernardino ME, et al.
Int J Radiat Oncol Biol Phys 1981 May;7(5):671–3
Preoperative cataract evaluation: intraocular lens power calculation. Hoffer KJ. **Int Ophthalmol Clin** 1982 Summer; 22(2):37–75 (48 ref.)
Ultrasonic measurement of residual urine: a method requiring no catheter. Szabó V, et al. **Int Urol Nephrol** 1981; 13(4):345–51
Biliary obstruction in a canine model: sequential study of the sonographic threshold. Fried AM, et al.
Invest Radiol 1981 Jul–Aug;16(4):317–9
Effect of plasma proteins and temperature on echogenicity of blood. Sigel B, et al. **Invest Radiol** 1982 Jan–Feb; 17(1):29–33
A comparison of oral cholecystography and ultrasound. Doyle TN, et al. **Ir J Med Sci** 1981 Nov;150(11):332–4
Ultrasound Doppler and echo combined as a noninvasive blood flowmeter. Histand MB, et al. **ISA Trans** 1982; 21(2):53–7
Applications of ultrasound to veterinary diagnostics in a veterinary teaching hospital. Miller CW, et al.
ISA Trans 1982;21(2):101–6
A simple technique for visualization of the uterine cavity and its pathology during ultrasound scanning. Beyth Y, et al. **Isr J Med Sci** 1982 Jul;18(7):817–8
Significance of ultrasound and gallium scanning in detecting intraabdominal abscesses. Graif M, et al. **Isr J Med Sci** 1982 Jul;18(7):789–92
Relationship between findings of directional Doppler continuous waves and of carotidography. Nuzzaci G, et al. **Ital J Neurol Sci** 1981 May;2(2):193–6
Carotid Doppler examination: a correlation with angiography. Saia A, et al. **Ital J Neurol Sci** 1981 Jan; 2(1):73–6
Ultrasonic visualization of tongue motion during speech. Sonies BC, et al. **J Acoust Soc Am** 1981 Sep;70(3):683–6
Ultrasound examination of pubertal girls and of patients with gonadal dysgenesis. Cabrol S, et al.
J Adolesc Health Care 1981 Mar;1(3):185–92
Ultrasonography evaluation for ruptured Achilles tendon. Bruce RK, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):15–7
Doppler ultrasound diagnosis of venous disease. Jiunta TP, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):551–6
Ultrasonic estimation of gestational age in the lowland gorilla: a biparietal diameter growth curve. Yeager CH, et al.
J Am Vet Med Assoc 1981 Dec 1;179(11):1309–10
Ultrasonic screening evaluation of intracranial pathology in 'high risk' neonates. 100 cases experience. Avni EF, et al. **J Belge Radiol** 1981;64(6):487–94
Pitfalls in ultrasound. Jeanty P, et al. **J Belge Radiol** 1981; 64(4):321–5
Ultrasonic analysis of the Youngs modulus of cortical bone. Bonfield W, et al. **J Biomed Eng** 1982 Jan;4(1):23–7
Ultrasonic measurement of human fetal blood flow. Eik-Nes SH, et al. **J Biomed Eng** 1982 Jan;4(1):28–36
Ultrasonic measurement of the lumbar spinal canal. The origin and precision of the recorded echoes. Kadziolka R, et al. **J Bone Joint Surg [Br]** 1981;63B(4):504–7
A direct method of measuring femoral anteversion using ultrasound. Moulton A, et al. **J Bone Joint Surg [Br]** 1982; 64(4):469–72
A simple renal cyst in a child. Chilcote WA.
J Can Assoc Radiol 1982 Mar;33(1):51–2
The subpulmonic pleural effusion: sonographic aspects. Connell DG, et al. **J Can Assoc Radiol** 1982 Jun;33(2):101–3
Halo around the gallbladder--a prognostic sign? Hutton L, et al. **J Can Assoc Radiol** 1982 Jun;33(2):80–3
Vein of Galen aneurysm - diagnosis by real-time ultrasound. Newlin NS, et al. **J Can Assoc Radiol** 1981 Dec;32(4):224–6
The ultrasonographic appearance of abdominal leiomyosarcomas. Rowley VA, et al.
J Can Assoc Radiol 1982 Jun;33(2):94–7
Intracaval extension of pheochromocytoma ultrasonographic demonstration. Russinovich NA, et al.
J Can Assoc Radiol 1982 Mar;33(1):53–5
Femoral artery doppler signal analysis in lower limb ischaemia. Clifford PC, et al.
J Cardiovasc Surg (Torino) 1982 Jan–Feb;23(1):69–74
Carotid ultrasonic arteriography combined with real time spectral analysis: a comparison with angiography. Doorly TP, et al. **J Cardiovasc Surg (Torino)** 1982 May–Jun; 23(3):243–6
Noninvasive evaluation of the aorto-iliac segment. Persson AV, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec; 22(6):539–42
Noninvasive detection of atherosclerotic lesions in cervical carotid arteries at an early stage of the disease. Reneman RS, et al. **J Cereb Blood Flow Metab** 1982;2 Suppl 1:S32–4
Ultrasound diagnosis of pancreatic pathology. Crade M, et al. **J Clin Gastroenterol** 1979 Jun;1(2):171–81
Ultrasonically guided percutaneous drainage of solitary liver abscess: successful treatment in four cases. Kimura M, et al. **J Clin Gastroenterol** 1981 Mar;3(1):61–5
Anatomy of the pancreas by grey scale ultrasonography. Taylor KJ. **J Clin Gastroenterol** 1979 Mar;1(1):67–75
Histopathological correlation of ultrasound appearances of liver metastases. Viscomi GN, et al.
J Clin Gastroenterol 1981 Dec;3(4):395–400
Office Doppler techniques in vascular disease. Barnes RW. **J Fam Pract** 1981 Oct;13(5):711–20
Clinical applications of the Doppler ultrasound flowmeter in lower extremity vascular disease. Nelson PB, et al.
J Foot Surg 1980 Summer;19(2):88–94
The benefit of ultrasound imaging in evaluation of the breast: review of a 3-year clinical program. Harper AP, et al. **J Indiana State Med Assoc** 1981 Sep;74(9):566–71
Chronic appendicitis: approached by X-ray ultrasound, nuclear medicine. Bellina PV Jr, et al.
J La State Med Soc 1981 Feb;133(2):24–5
Ultrasound and the diagnosis of transitional cell carcinoma of the bladder. Bellina PV Jr. **J La State Med Soc** 1981 Jul;133(7):107–8
Ultrasound presentation of abdominal ascites in a ventral hernia. Bellina PV Jr, et al. **J La State Med Soc** 1981 Nov; 133(11):177–8
Ultrasound findings in Budd-Chiari syndrome and portal vein thrombosis. Raskin SP, et al. **J La State Med Soc** 1981 Oct;133(10):149–51
Angioscan: a spectrum analyser for use with ultrasonic Doppler velocimeters. Macpherson PC, et al.
J Med Eng Technol 1981 Mar;5(2):84–5
Pseudo-bladder neck syndrome in women: value of gray-scale ultrasonography. Gould L, et al.
J Med Soc NJ 1981 May;78(5):374–6
Cholescintigraphy and sonography in the diagnosis of biliary tract disease: a retrospective study. Sirotta PS.
J Med Soc NJ 1982 Mar;79(3):187–94
Comparison of angiography with continuous wave Doppler ultrasound in the assessment of extracranial arterial disease. Hames TK, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug; 44(8):661–9
A prospective study of the accuracy of Doppler ultrasound in detecting carotid artery disease. Lakeman MJ, et al.
J Neurol Neurosurg Psychiatry 1981 Aug;44(8):657–60
Intraoperative use of real-time ultrasonography in neurosurgery. Chandler WF, et al. **J Neurosurg** 1982 Aug; 57(2):157–63
Ultrasound-guided biopsy for deep-seated brain tumors. Tsutsumi Y, et al. **J Neurosurg** 1982 Aug;57(2):164–7
Doppler ultrasound flowmeter in evaluation of tracheobronchial compression. Frenkiel S, et al.
J Otolaryngol 1981 Oct;10(5):401–2
Noninvasive pulsed Doppler determination of cardiac output in neonates and children. Alverson DC, et al. **J Pediatr** 1982 Jul;101(1):46–50
Cranial ultrasound in the detection of intracranial calcifications. Dykes FD, et al. **J Pediatr** 1982 Mar; 100(3):406–8
Doppler flow and radionuclide scan studies in the evaluation and management of peripheral artery thrombosis in the neonate. Puppala BL, et al. **J Pediatr** 1981 Nov;99(5):791–4
Sonographic classification of intracranial hemorrhage. A prognostic indicator of mortality, morbidity, and short-term neurologic outcome. Shankaran S, et al.
J Pediatr 1982 Mar;100(3):469–75
Anterior fontanel: window to the neonatal brain. Volpe JJ. **J Pediatr** 1982 Mar;100(3):395–8
Real-time ultrasound in determination of portasystemic shunt patency in children. Rodgers BM, et al. **J Pediatr Surg** 1981 Dec;16(6):968–71
Prenatal diagnosis of anterior duplication anomaly (dicephalus diauchenos) by ultrasonography. Hahmann K, et al. **J Perinat Med** 1982;10(2):93–8
Ultrasonic measurements of umbilical blood flow in normal and complicated pregnancies. Kurjak A, et al.
J Perinat Med 1982;10(1):3–16
Effectiveness of routine ultrasound in screening congenital defects. Nicolini U, et al. **J Perinat Med** 1982;10(2):125–9
Doppler ultrasound in the assessment of amputation level. Creaney MG, et al. **J R Coll Surg Edinb** 1981 Sep; 26(5):278–81
Detection of intrauterine growth retardation by ultrasound: preliminary communication. Ellis C, et al.
J R Soc Med 1981 Oct;74(10):739–41
Ultrasonic findings with holoprosencephaly. Hill LM, et al. **J Reprod Med** 1982 Mar;27(3):172–5
Diabetic halo. A reversible ultrasonic sign. Kassam SH, et al. **J Reprod Med** 1981 Nov;26(11):588–92
Hygroma cervicis. Antepartum ultrasonic findings. Miller JM Jr, et al. **J Reprod Med** 1981 Nov;26(11):567–70
Intrauterine transfusion under sonographic guidance. Parer JT, et al. **J Reprod Med** 1981 Nov;26(11):551–4
Detection of pregnancy in the bitch: a study of abdominal palpation, A-mode ultrasound and Doppler ultrasound techniques. Allen WE, et al. **J Small Anim Pract** 1981 Sep; 22(9):609–22
Further evaluation by ultrasound of mammographically determined breast dysplasia. Frazier TG, et al.
J Surg Oncol 1982 Feb;19(2):69–70
An experimental evaluation of arteriography and imaging ultrasonography in detecting arterial defects at operation. Coelho JC, et al. **J Surg Res** 1982 Feb;32(2):130–7
Hemodynamic and arteriographic evaluation of femoral pulsatility index. Flanigan DP, et al. **J Surg Res** 1982 Mar; 32(3):234–8
Sonomicrometric determination of ischemic contracture of the left ventricle. Van Trigt P, et al.
J Thorac Cardiovasc Surg 1982 Feb;83(2):298–305
The value of ultrasonic scanning in the differentiation of acute post-transplant renal failure. Barrientos A, et al.
J Urol 1981 Sep;126(3):308–12
Sonometrics of the prostate. Bartsch G, et al. **J Urol** 1982 Jun;127(6):1119–21
The use of the Doppler stethoscope in anatrophic nephrotomy. Bryniak SR, et al. **J Urol** 1981 Sep; 126(3):295–6
Comparison of computerized tomography, ultrasound and angiography in staging renal cell carcinoma. Cronan JJ, et al. **J Urol** 1982 Apr;127(4):712–4
Ultrasonically guided transperineal biopsy in the diagnosis of prostatic carcinoma. Hastak SM, et al. **J Urol** 1982 Jul; 128(1):69–71
Transrectal ultrasonic volume determination of the prostate--a preoperative and postoperative study. Hastak SM, et al. **J Urol** 1982 Jun;127(6):1115–8
Transabdominal sonography of seminal vesicles. Jiménez-Cruz JF, et al. **J Urol** 1982 Feb;127(2):260–2
A comparison of ultrasonography and radiography in the localization of renal calculi: experimental and operative experience. Marshall FF, et al. **J Urol** 1981 Nov; 126(5):576–80
Ultrasound appearance of spontaneous rupture of renal transplant. Rahatzad M, et al. **J Urol** 1981 Oct;126(4):535–6
The practical value of diagnostic ultrasound in urology. Sanders RC. **J Urol** 1981 Sep;126(3):283–7
Intravesical ultrasound tomography in staging bladder carcinoma. Schüller J, et al. **J Urol** 1982 Aug;128(2):264–6
Transrectal longitudinal ultrasonotomography of the prostate by electronic linear scanning. Sekine H, et al. **J Urol** 1982 Jan;127(1):62–5
Ultrasonic scanning during operation for renal calculi. Sigel B, et al. **J Urol** 1982 Mar;127(3):421–4
Renal arteriovenous fistula--angiographic and sonographic correlation. Tepper JP, et al. **J Urol** 1982 Jan;127(1):106–8
Localization of segmental arteries in renal surgery by Doppler sonography. Thüroff JW, et al. **J Urol** 1982 May; 127(5):863–6
Gray-scale ultrasound evaluation of the lower extremities. Bluth EI, et al. **JAMA** 1982 Jun 11;247(22):3127–9
Ultrasound breast scanning: (only) a complement to mammography? [news] Bolsen B. **JAMA** 1982 Sep 3; 248(9):1025–7
Ultrasonic diagnosis of Cruveilhier-Baumgarten syndrome. Capron JP, et al. **JAMA** 1982 Feb 5;247(5):681–2
The accuracy of the physical examination in the diagnosis of suspected ascites. Cattau EL Jr, et al. **JAMA** 1982 Feb 26;247(8):1164–6
Ultrasonic demonstration in utero of an intracranial teratoma. Crade M. **JAMA** 1982 Feb 26;247(8):1173
Ultrasonic diagnosis of Cruveilhier-Baumgarten syndrome [letter] Eisenstadt HB. **JAMA** 1982 Aug 20;248(7):831
Sonographic antepartum diagnosis of conjoined twins. Its impact on obstetric management. Gore RM, et al.
JAMA 1982 Jun 25;247(24):3351–3
Ultrasound provides a 'window' into the brain during surgery [news] Gunby P. **JAMA** 1982 Jun 18;247(23):3171–4
Problem of abnormal fetal position. Kurtz AB, et al.
JAMA 1982 Jun 18;247(23):3251–2
Diagnosis of ectopic pregnancy [letter] Reisfield DR.
JAMA 1982 Jul 16;248(3):310
Sonographically guided fine-needle aspiration of liver lesions. Rosenblatt R, et al. **JAMA** 1982 Oct 1; 248(13):1639–41
Noninvasive detection of thrombosis of the deep veins of the legs: comparison of Doppler ultrasonography and impedance plethysmography with venography. Elbaum DM, et al. **JAOA** 1982 Apr;81(8):535–40
Ultrasound in the evaluation of chronic pancreatitis. Grant TH, et al. **JAOA** 1981 Nov;81(3):183–8
Diagnosis of molar pregnancy using ultrasonography: report of two cases. Wittich AC. **JAOA** 1982 Jun;81(10):684–7
Evaluation of portal hypertension in cases of hepatosplenic schistosomiasis using ultrasound. Abdel-Latif Z, et al.
JCU 1981 Oct;9(8):409–12
The sonographic features of intra-abdominal pregnancy. Allibone GW, et al. **JCU** 1981 Sep;9(7):383–7
Ultrasonic appearance of lead shotgun pellets in liver [letter] Amazeen PG, et al. **JCU** 1981 Nov–Dec;9(9):A31–2
The clinical significance of dilatation of the collecting system in the transplanted kidney. Balchunas WR, et al. **JCU** 1982

May-Jun;10(5):221-5
Sonographic evaluation of the incompetent cervix. Bernstine RL, et al. **JCU** 1981 Oct;9(8):417-20
Ultrasound of coexisting right renal vein thrombosis and adrenal hemorrhage in a newborn. Bowen A, et al. **JCU** 1981 Nov-Dec;9(9):511-3
Appearance of normal pancreatic duct: a study using real-time ultrasound. Bryan PJ. **JCU** 1982 Feb;10(2):63-6
Percutaneous nephrostomy utilizing B-mode and real-time ultrasound guidance: the lateral approach and puncture facilitation with furosemide. Burnett KR, et al. **JCU** 1982 May-Jun;10(5):252-5
Intrauterine membranes: sonographic findings and clinical significance. Burrows PE, et al. **JCU** 1982 Jan;10(1):1-8
Prediction of intrauterine growth retardation by sonographic estimation of total intrauterine volume. Chinn DH, et al. **JCU** 1981 Apr;9(4):175-9
Unusual ultrasonographic appearance of a solid schwannoma. Chinn DH, et al. **JCU** 1982 May-Jun;10(5):243-5
The ultrasonic evaluation of skin thickness in scleredema. Cole GW, et al. **JCU** 1981 Nov-Dec;9(9):501-3
Ultrasound demonstration of giant malignant breast cyst undetected by xeromammography. Cooke CG, et al. **JCU** 1981 Oct;9(8):461-2
The ultrasonic appearance of the liver in hepatic venous outflow obstruction (Budd-Chiari syndrome). Cooper RA, et al. **JCU** 1982 Jan;10(1):35-6
Sonography of the segmental human pancreatic transplant. Crass JR, et al. **JCU** 1982 Apr;10(4):149-52
Evaluation of three methods for obtaining fetal weight estimates using dynamic image ultrasound. Deter RL, et al. **JCU** 1981 Oct;9(8):421-5
The use of ultrasound in the detection of intrauterine growth retardation: a review. Deter RL, et al. **JCU** 1982 Jan; 10(1):9-16
Renal agenesis: spectrum in utero findings. Dubbins PA, et al. **JCU** 1981 Apr;9(4):189-93
Ultrasound screening in a twin pregnancy with high serum alpha-fetoprotein. Finlay D, et al. **JCU** 1981 Nov-Dec; 9(9):514-5
Ultrasound demonstration of cerebellar hemorrhage in a neonate. Foy P, et al. **JCU** 1982 Apr;10(4):196-8
Elephantiasis of the scrotum. Fulmer LR, et al. **JCU** 1982 Mar;10(3):143-4
Slice-thickness artifacts in gray-scale ultrasound. Goldstein A, et al. **JCU** 1981 Sep;9(7):365-75
Acute bile duct dilation with resolution in 43 hours: an ultrasonic demonstration. Gooding GA. **JCU** 1981 Apr; 9(4):201-2
Amebic abscess: sonographic follow-up of persistent hepatic defects in two patients one year after successful treatment for amebiasis of the liver. Gooding GA. **JCU** 1981 Oct; 9(8):451-2
'Amebic abscess: Sonographic Followup of persistent hepatic defects in two patients one year after successful treatment for amebiasis of the liver' [letter] Gooding GA. **JCU** 1982 May-Jun;10(5):A-18
Ultrasonic determination of hepatomegaly. Gosink BB, et al. **JCU** 1981 Jan;9(1):37-44
Congenital mesoblastic nephroma with cystic component. Grider RD, et al. **JCU** 1981 Jan;9(1):43-5
Pitfalls in ultrasonic determination of total intrauterine volume. Grossman M, et al. **JCU** 1982 Jan;10(1):17-20
Giant renal artery aneurysm mimicking a simple cyst on ultrasound. Hantman SS, et al. **JCU** 1982 Mar;10(3):136-9
Aortic and lower extremity arterial aneurysms. Hirsch JH, et al. **JCU** 1981 Jan;9(1):29-31
Ultrasound diagnosis of a middle mediastinal mass. Hudson TD, et al. **JCU** 1982 Apr;10(4):183-5
Enlargement of the iliopsoas bursa: unusual cause of cystic mass on pelvic sonogram. Janus C, et al. **JCU** 1982 Mar; 10(3):133-5
Detection of neonatal intracranial hemorrhage utilizing real-time and static ultrasound. Johnson ML, et al. **JCU** 1981 Oct;9(8):427-33
Cerebrovascular assessment using a Doppler carotid scanner and real-time frequency analysis. Johnston KW, et al. **JCU** 1981 Oct;9(8):443-9
Ultrasonic diagnosis of nuchal encirclement by the umbilical cord: a case and methodological report. Jouppila P, et al. **JCU** 1982 Feb;10(2):59-62
The timing of a repeat ultrasound examination in the evaluation for ectopic pregnancy. Kadar N, et al. **JCU** 1982 May-Jun;10(5):211-4
Sonographic features of gastrointestinal leiomyosarcoma. Kaftori JK, et al. **JCU** 1981 Jan;9(1):11-5
Evaluation of the peak frequency ratio (PFR) measurement in the detection of internal carotid artery stenosis. Keagy BA, et al. **JCU** 1982 Mar;10(3):109-12
Empirical findings relating sample volume size to diagnostic accuracy in pulsed Doppler cerebrovascular studies. Knox RA, et al. **JCU** 1982 May-Jun;10(5):227-32
Mucocutaneous lymph node syndrome with hydrops of the gallbladder diagnosed by ultrasound. Koss JC, et al. **JCU** 1981 Nov-Dec;9(9):477-9
Ultrasonic demonstration of small pancreatic islet cell tumors. Kuhn FP, et al. **JCU** 1982 Apr;10(4):173-5
The prominent falx cerebri: new ultrasonic observation in hypophosphatasia. Laughlin CL, et al. **JCU** 1982 Jan; 10(1):37-8
Fetal elevation: a new technique for placental localization in the diagnosis of previa. Lee TG, et al. **JCU** 1981 Nov-Dec;9(9):467-71
Evaluation of the lower extremities. Lenkey JL, et al. **JCU** 1981 Oct;9(8):413-6
Ultrasound findings in mucocele of the appendix. Li YP, et al. **JCU** 1981 Sep;9(7):406-8
Ultrasonic prediction of complications following normal vaginal delivery. Lipinski JK, et al. **JCU** 1981 Jan;9(1):17-9
Coexistent endometriomas in pregnancy: sonographic appearance. McGahan JP, et al. **JCU** 1982 Apr;10(4):180-2
Ultrasonic evaluation of a cervical mass in pregnancy. Mack LA, et al. **JCU** 1981 Jan;9(1):49-50
Anthropomorphic breast phantoms for assessing ultrasonic imaging system performance and for training ultrasonographers: part II. Madsen EL, et al. **JCU** 1982 Mar;10(3):91-100
Anthropomorphic breast phantoms for assessing ultrasonic imaging system performance and for training ultrasonographers: part I. Madsen EL, et al. **JCU** 1982 Feb; 10(2):67-75
Variability of the hepatic arterial anatomy: a sonographic demonstration. Marchal G, et al. **JCU** 1981 Sep;9(7):377-81
Ultrasonic demonstration of splenic rupture in infectious mononucleosis. Miller KB, et al. **JCU** 1981 Nov-Dec; 9(9):519-20
Ultrasonic evaluation of chronic sporotrichosis. Moeller DA, et al. **JCU** 1982 May-Jun;10(5):238-9
Real-time identification of blood flow in the placenta and umbilical cord. Morin F, et al. **JCU** 1982 Jan;10(1):21-4
The ultrasonic appearance of ileocolic intussusception. Morin ME, et al. **JCU** 1981 Nov-Dec;9(9):516-8
Further observations on the sonographic spectrum of gestational trophoblastic disease. Munyer TP, et al. **JCU** 1981 Sep;9(7):349-58
Malignant ovarian tumors simulating hydatidiform mole on ultrasound. Nelson LH, et al. **JCU** 1982 May-Jun; 10(5):249-51
Abdominal ultrasound in advanced ovarian carcinoma. Paling MR, et al. **JCU** 1981 Oct;9(8):435-41
The role of ultrasound in the study of polycystic ovarian disease. Parisi L, et al. **JCU** 1982 Apr;10(4):167-72
Sonography for diagnosis and follow-up of neonatal adrenal hemorrhage. Pery M, et al. **JCU** 1981 Sep;9(7):397-401
Prospective evaluation of the sonographic Murphy sign in suspected acute cholecystitis. Ralls PW, et al. **JCU** 1982 Mar;10(3):113-5
Ultrasound in the ovarian hyperstimulation syndrome. Rankin RN, et al. **JCU** 1981 Nov-Dec;9(9):473-6
Pancreatic plasmacytoma: sonographic and computerized tomographic findings. Rice NT, et al. **JCU** 1981 Jan; 9(1):46-8
Posterior fossa arachnoid cyst demonstrated by ultrasound. Roach ES, et al. **JCU** 1982 Feb;10(2):88-90
Neonatal intracranial pathology demonstrated by high-frequency linear array ultrasound. Sauerbrei EE, et al. **JCU** 1981 Jan;9(1):33-6
Ultrasonic demonstration of intraductal biliary neoplasms. Schnur MJ, et al. **JCU** 1982 May-Jun;10(5):246-8
Sonography of biliary worms (ascariasis). Schulman A, et al. **JCU** 1982 Feb;10(2):77-8
Ultrasound gray-scale pattern and guided aspiration puncture of abdominal abscesses. Schwerk WB, et al. **JCU** 1981 Sep; 9(7):389-96
Hyperdistended fluid-filled bowel loops mimicking gastrointestinal atresia. Skovbo P, et al. **JCU** 1981 Oct; 9(8):463-5
Real-time ultrasound and pulsed Doppler evaluation of the retroplacental clear area. Smith DF, et al. **JCU** 1982 May-Jun;10(5):215-9
Clinically silent retroplacental hematoma: sonographic and pathologic correlation. Spirt BA, et al. **JCU** 1981 Apr; 9(4):203-5
Ultrasonic detection of renal calculi: accuracy tested in an in vitro porcine kidney model. Stafford SJ, et al. **JCU** 1981 Sep;9(7):359-63
Ultrasonic diagnosis of jugular venous aneurysm. Stevens RK, et al. **JCU** 1982 Feb;10(2):85-7
Renal transitional cell carcinoma: sonographic and pathologic correlation. Subramanyam BR, et al. **JCU** 1982 May-Jun; 10(5):203-10
Ultrasound imaging of clinical pancreatic organ transplants. Toledo-Pereyra LH, et al. **JCU** 1982 Mar;10(3):121-4
Evaluating Doppler devices using a moving string test target. Walker AR, et al. **JCU** 1982 Jan;10(1):25-30
Molar pregnancy: early diagnosis by ultrasound. Wittmann BK, et al. **JCU** 1981 Apr;9(4):153-6
Real-time ultrasound diagnosis of conjoined twins. Wood MJ, et al. **JCU** 1981 Apr;9(4):195-7
Disruption of the diaphragmatic echoes: a sonographic sign of diaphragmatic disease. Worthen NJ, et al. **JCU** 1982 Feb;10(2):43-5
Ruptured aneurysm of the right sinus of Valsalva: two pulsed Doppler echocardiographic studies. Yokoi K, et al. **JCU** 1981 Nov-Dec;9(9):505-10
Ultrasonic characteristics of bilomas. Zegel HG, et al. **JCU** 1981 Jan;9(1):21-4
Prenatal detection of esophageal atresia. Zemlyn S. **JCU** 1981 Oct;9(8):453-4
Ultrasonic flow wave pattern as a prognostic indicator in peripheral arterial reconstruction. Kusaba A, et al. **Jpn J Surg** 1981;11(4):232-7
Noninvasive characterization of renal artery blood flow. Greene ER, et al. **Kidney Int** 1981 Oct;20(4):523-9
Ultrasonic evaluation in infants with intracranial lesions. Hayashi T, et al. **Kurume Med J** 1981;28(1):99-101
Prenatal diagnosis of fetal abdominal masses by real-time ultrasound. Mitsutake K, et al. **Kurume Med J** 1981; 28(4):329-34
Real-time ultrasonography for determination of ovarian morphology and volume. A possible early screening test for ovarian cancer? Campbell S, et al. **Lancet** 1982 Feb 20;1(8269):425-6
Ultrasound positioning of umbilical arterial catheters [letter] Houston AB, et al. **Lancet** 1982 Oct 2;2(8301):759
Ultrasound diagnosis of cerebral arteriovenous malformation in the newborn [letter] Jones RW, et al. **Lancet** 1982 Jan 9;1(8263):102-3
The role of high resolution computerized tomography and standardized ultrasound in the evaluation of orbital cellulitis. Goodwin WJ Jr, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):729-31
Ultrasonography and computed tomography in the evaluation of biliary tract disease. Schneider M, et al. **Major Probl Clin Surg** 1982;16:19-60
Ultrasound study of cervical atherosclerosis [letter] Earnest F 4th. **Mayo Clin Proc** 1982 Jul;57(7):462-3
Diagnostic ultrasound--coming of age. James EM, et al. **Mayo Clin Proc** 1982 Mar;57(3):198-200
Computed tomography and ultrasound evaluation of neonates with asphyxia and/or intracranial hemorrhage. Fitzhardinge PM. **Mead Johnson Symp Perinat Dev Med** 1980;(17):65-72
Blood flow measurement during exercise in sheep using Doppler ultrasonic method. Carter J, et al. **Med Biol Eng Comput** 1981 May;19(3):373-6
Processing technique for ultrasound images. Guang ZZ. **Med Biol Eng Comput** 1982 Jan;20(1):94-8
Online identifying and quantifying Doppler ultrasound waveforms. Johnston KW, et al. **Med Biol Eng Comput** 1982 May;20(3):336-42
Signal-to-noise enhancement in Doppler ultrasound systems. Sainz AJ, et al. **Med Biol Eng Comput** 1981 Sep;19(5):665-7
Use of principal component factor analysis in the detection of carotid artery disease from Doppler ultrasound. Sherriff SB, et al. **Med Biol Eng Comput** 1982 May;20(3):351-6
Computer-assisted echography: statistical analysis of A-mode video echograms obtained by tissue sampling. Thijssen JM, et al. **Med Biol Eng Comput** 1981 Jul; 19(4):437-42
Improvement in Doppler ultrasound human foetal heart rate records by signal correlation. Tuck DL. **Med Biol Eng Comput** 1982 May;20(3):357-600
Determination of fetal sex with ultrasound. de Crespigny LC, et al. **Med J Aust** 1981 Jul 25;2(2):98-100
Ultrasound diagnosis of liver and biliary tract lesions. Kamal A. **Med J Malaysia** 1981 Jun;36(2):100-3
Temperature corrected speed of sound for use in soft tissue imaging. Nasoni RL. **Med Phys** 1981 Jul-Aug;8(4):513-5
Quantitative stereology and radiologic image analysis. Part I: Computerized tomography and ultrasound. Reid MH. **Med Phys** 1982 May-Jun;9(3):346-60
A contrast-detail analysis of diagnostic ultrasound imaging. Smith SW, et al. **Med Phys** 1982 Jan-Feb;9(1):4-12
Preliminary evaluation of display format effects on perceptibility in a low contrast ultrasound test object. Sommer FG, et al. **Med Phys** 1981 Mar-Apr;8(2):155-7
Prenatal diagnosis of 'prune belly' syndrome: case report. Wittich AC, et al. **Milit Med** 1981 Oct;146(10):717-8
The role of ultrasound imaging in the diagnosis of atypical ectopic pregnancy. Feinberg SB. **Minn Med** 1981 Oct; 64(10):601-2
Ultrasonography of splenic infarct. Yeh HC, et al. **Mt Sinai J Med (NY)** 1981 Sep-Oct;48(5):446-8
Case 48-1981:ultrasound in the diagnosis of uremic disease in adults [letter] Landais P, et al. **N Engl J Med** 1982 Apr 22;306(16):995-6
Error analysis for measurement of tissue elastic constant and its practical application. Ohara K, et al. **Nagoya J Med Sci** 1981 Nov;44(1-2):31-40
The elastic constant of tissue in the body estimated from computerized tomography and ultrasonography--theoretical analysis. Sakuma S, et al. **Nagoya J Med Sci** 1981 Nov;44(1-2):41-6
Ultrasound and a neural tube screening program in North Carolina. Nelson LH, et al. **NC Med J** 1982 Apr; 43(4):283-6
Neonatal cerebral ultrasonography. Roach ES, et al. **NC Med J** 1981 Sep;42(9):642-4
Ureteric pain in patients with chronic renal failure on hemodialysis. Diagnostic approach with ultrasonography and computer tomography. Koga N, et al. **Nephron** 1982; 31(1):55-8
Effect of furosemide on renal size: ultrasonic characterization of renovascular hypertension. Maggiore Q, et al. **Nephron** 1982;31(1):45-50
Diagnosis of intracranial malformations by Doppler sonography. Diener HC, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):185-91
Dandy-walker syndrome diagnosed in utero by ultrasonography. Newman GC, et al. **Neurology (NY)** 1982 Feb;32(2):180-4
Diagnosing hydrocephalus in infants by ultrasound sector scanning through the open fontanelles. A study comparing ultrasound-sonography and CAT-scan. Strassburg HM, et al. **Neuropediatrics** 1981 Aug;12(3):254-66

Endometrial images by ultrasound. Nakano H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):275–8
Intrathoracic goiter. Diagnosis by ultrasound. Toder SP, et al. **NY State J Med** 1982 Feb;82(2):230–1
Measurement of the fetal biparietal diameter by ultrasound is not an accurate method of detecting fetal growth retardation. Duff GB, et al. **NZ Med J** 1981 Oct 28; 94(694):312–4
Ultrasound in the investigation of renal disease in infants and children. Sommerville AJ. **NZ Med J** 1981 Sep 9; 94(691):188–91
Ultrasonic diagnosis of prune-belly syndrome. Christopher CR, et al. **Obstet Gynecol** 1982 Mar;59(3):391–4
A perinatal approach to the diagnosis and management of gastrointestinal malformations. Jassani MN, et al. **Obstet Gynecol** 1982 Jan;59(1):33–9
Ultrasonic evaluation of the Dandy-Walker syndrome. Kirkinen P, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):18S–21S
Value of serial sonography in the in utero detection of duodenal atresia. Nelson LH, et al. **Obstet Gynecol** 1982 May;59(5):657–60
Ultrasound timing of human chorionic gonadotropin administration in clomiphene-stimulated cycle. O'Herlihy C, et al. **Obstet Gynecol** 1982 Jan;59(1):40–5
Normal ultrasonic fetal weight curve. Ott WJ, et al. **Obstet Gynecol** 1982 May;59(5):603–6
Real-time ultrasound in obstetrics. Shenker L, et al. **Obstet Gynecol Annu** 1982;11:111–31
The Marton Lecture: ultrasound in ophthalmic optics. Storey JK. **Ophthalmic Physiol Opt** 1981;1(3):133–57
Metastatic carcinoid unresponsive to radiation therapy presenting as a lacrimal fossa mass. Divine RD, et al. **Ophthalmology (Rochester)** 1982 May;89(5):516–20
Pulsed Doppler echocardiographic detection of coronary artery to right ventricle fistula. Pickoff AS, et al. **Pediatr Cardiol** 1982;2(2):145–8
The infant with possible biliary atresia: evaluation by ultrasound and nuclear medicine. Abramson SJ, et al. **Pediatr Radiol** 1982;12(1):1–5
Congenital epithelial splenic cysts in children. Emphasis on sonographic appearances and some unusual features. Daneman A, et al. **Pediatr Radiol** 1982;12(3):119–25
Echographic aspects of hepatic metastases of nephroblastomas. Filiatrault D, et al. **Pediatr Radiol** 1982; 12(2):72–77
The changing aspects of cholelithiasis in children through a sonographic study. Garel L, et al. **Pediatr Radiol** 1981; 11(2):75–9
Congenital nephrosis: ultrasonographic features. Graif M, et al. **Pediatr Radiol** 1982;12(3):154–5
Prenatal sonographic diagnosis of cephalohematoma due to pre-labor trauma. Grylack L. **Pediatr Radiol** 1982; 12(3):145–7
Gray-scale echography of traumatic pancreatic cysts in children. Harkányi Z, et al. **Pediatr Radiol** 1981;11(2):81–2
Ultrasonographic diagnosis of uriniferous perirenal pseudocyst. Itoh S, et al. **Pediatr Radiol** 1982;12(3):156–8
Renal ultrasound in the neonatal period. McInnis AN, et al. **Pediatr Radiol** 1982;12(1):15–20
Ectopic spleen. A sonographic diagnosis. Setiawan H, et al. **Pediatr Radiol** 1982;12(3):152–3
The prenatal ultrasonic diagnosis of urethral obstruction and diverticulum of the urinary bladder. Shalev J, et al. **Pediatr Radiol** 1982;12(1):48–50
Intrathoracic kidney—diagnosis by ultrasound. Sumner TE, et al. **Pediatr Radiol** 1982;12(2):78–80
Multicystic nephroblastoma: ultrasound diagnosis (with a pathologic-anatomic commentary). Wood BP, et al. **Pediatr Radiol** 1982;12(1):43–7
Hemorrhagic periventricular leukomalacia: diagnosis by real time ultrasound and correlation with autopsy findings. Hill A, et al. **Pediatrics** 1982 Mar;69(3):282–4
Ultrasonographic detection of perinatal intracerebellar hemorrhage. Reeder JD, et al. **Pediatrics** 1982 Sep; 70(3):385–6
Directional Doppler flowmetry in superficial veins as a guide to venous disorders in the lower limbs. Tibbs DJ, et al. **Phlebologie** 1982 Jan-Mar;35(1):41–51 (Eng, Fre)
Ultrasound diagnosis of cleft lip and cleft palate before birth. Christ JE, et al. **Plast Reconstr Surg** 1981 Dec;68(6):854–9
Ultrasound diagnosis of clefts [letter] Hulnick SJ. **Plast Reconstr Surg** 1982 Jul;70(1):118–9
General principles and applications of ultrasound. Katerndahl DA. **Postgrad Med** 1982 Feb;71(2):46–53
Ultrasonic examination of the abdomen. Katerndahl DA. **Postgrad Med** 1982 Mar;71(3):227–31, 234–7
Obstetric and gynecologic applications of ultrasound. Katerndahl DA. **Postgrad Med** 1982 Apr;71(4):177–82
The primary care physician as ultrasonographer. Katerndahl DA. **Postgrad Med** 1982 May;71(5):191–6
Clinical diagnosis by transcutaneous Doppler ultrasound. Wyse RK. **Postgrad Med J** 1982 Apr;58(678):197–211 (180 ref.)
Ultrasonic detection of an abnormal mass in a fetus later shown to have trisomy 18. Heller RH, et al. **Prenatal Diagn** 1981 Jul;1(3):223–6
Fetal Marfan syndrome: prenatal ultrasound diagnosis with pathological confirmation of skeletal and aortic lesions. Koenigsberg M, et al. **Prenatal Diagn** 1981 Oct;1(4):241–7
In utero diagnosis of Kleeblattschädel (cloverleaf skull). Salvo AF. **Prenatal Diagn** 1981 Apr;1(2):141–5
Ultrasound demonstration of masses in a 15 week fetus: hydrops in a fetus with umbilical cord occlusion. Shenker L, et al. **Prenatal Diagn** 1981 Jul;1(3):217–21
45,X karyotype: may the diagnosis be suspected on ultrasonic examination in the second trimester of pregnancy? Tabor A, et al. **Prenatal Diagn** 1981 Oct;1(4):281–3
Detection of arterial defects by arteriography and imaging ultrasonography: an experimental study. Coelho JC. **Proc Inst Med Chic** 1981 Oct-Dec;34(4):108–10
Ultrasonography of the biliary tract. Okuda K, et al. **Prog Liver Dis** 1982;7:285–97 (73 ref.)
Transurethral ultrasonotomography of the prostate. Komine Y, et al. **Prostate** 1981;Suppl 1:53–7
A survey of 3,000 examinations by transrectal ultrasonotomography. Watanabe H, et al. **Prostate** 1980; 1(3):271–8
The effect of estramustine phosphate on prostatic cancer estimated by transrectal ultrasonotomography. Watanabe H, et al. **Prostate** 1981;2(2):155–61
An improvised water-bath for simplified thyroid sonography. Britten JS. **Radiography** 1982 Feb;48(566):33–4
Antenatal diagnosis of duodenal atresia by ultrasound: a case report. Collier D. **Radiography** 1982 May;48(569):102–3
Ultrasonic examination of the abdomen in malignant disease: Part 2 Other abdominal organs, including kidney, stomach and pancreas. John C. **Radiography** 1982 Jun; 48(570):107–12
Ultrasonic examination of the abdomen in malignant disease. John C. **Radiography** 1981 Aug;47(560):178–86
Diagnostic ultrasonography in ophthalmology. Truelove P. **Radiography** 1981 Dec;47(564):301–8
Symposium on ultrasonography in obstetrics and gynecology. **Radiol Clin North Am** 1982 Jun;20(2):257–414
Ultrasound evaluation of pelvic infections. Berland LL, et al. **Radiol Clin North Am** 1982 Jun;20(2):367–82
Estimating gestational age in utero. Bowie JD, et al. **Radiol Clin North Am** 1982 Jun;20(2):325–34 (64 ref.)
Ultrasonography of the normal and pathologic fetal skeleton. Filly RA, et al. **Radiol Clin North Am** 1982 Jun; 20(2):311–23
Ultrasound evaluation of the normal and abnormal fetal neural axis. Fiske CE, et al. **Radiol Clin North Am** 1982 Jun;20(2):285–96
Sonographic evaluation of pelvic masses: method of examination and role of sonography relative to other imaging modalities. Fleischer AC, et al. **Radiol Clin North Am** 1982 Jun;20(2):397–412 (37 ref.)
The placenta. Grannum PA, et al. **Radiol Clin North Am** 1982 Jun;20(2):353–65
Normal fetal anatomy. Hattan RA, et al. **Radiol Clin North Am** 1982 Jun;20(2):271–84
Fetal anomalies involving the thorax and abdomen. Knochel JQ, et al. **Radiol Clin North Am** 1982 Jun;20(2):297–310 (63 ref.)
Ultrasound evaluation of ectopic pregnancy. Laing FC, et al. **Radiol Clin North Am** 1982 Jun;20(2):383–95 (41 ref.)
Ultrasound evaluation of intrauterine growth retardation. Little D, et al. **Radiol Clin North Am** 1982 Jun;20(2):335–51
Ultrasound in the first trimester of pregnancy. Lyons EA, et al. **Radiol Clin North Am** 1982 Jun;20(2):259–70
Echography of renal transplant patients. Harkányi Z, et al. **Radiologe** 1981 Oct;21(10):485–7
The 'arrow' pattern [letter] **Radiology** 1981 Oct;141(1):270–2
Computed tomography versus ultrasound of the adrenal gland: a prospective study. Abrams HL, et al. **Radiology** 1982 Apr;143(1):121–8
Prospective analysis of the value of scrotal ultrasound. Arger PH, et al. **Radiology** 1981 Dec;141(3):763–6
Hepatic sonography: technical considerations, present applications, and possible future. Bernardino ME, et al. **Radiology** 1982 Jan;142(1):249–51
Ultrasonography in the diagnosis of portal hypertension: diminished response of portal vessels to respiration. Bolondi L, et al. **Radiology** 1982 Jan;142(1):167–72
Real-time ultrasound diagnosis of intussusception in children. Bowerman RA, et al. **Radiology** 1982 May;143(2):527–9
Fetal swallowing and regurgitation: observation of normal and abnormal activity. Bowie JD, et al. **Radiology** 1982 Sep;144(4):877–8
Ultrasonographic evaluation of the gallbladder in mucocutaneous lymph node syndrome. Bradford BF, et al. **Radiology** 1982 Feb;142(2):381–4
The double sac sign of early intrauterine pregnancy: use in exclusion of ectopic pregnancy. Bradley WG, et al. **Radiology** 1982 Apr;143(1):223–6
Ultrasound evaluation of the urinary system in spinal-cord-injury patients. Brandt TD, et al. **Radiology** 1981 Nov;141(2):473–7
Contribution of mesenteric fat to unsatisfactory abdominal and pelvic ultrasonography. Bree RL, et al. **Radiology** 1981 Sep;140(3):773–6
Fetofetal transfusion syndrome: prenatal ultrasonographic diagnosis. Brennan JN, et al. **Radiology** 1982 May; 143(2):535–6
Ultrasonic contrast enhancement of tissue by encapsulated microbubbles. Carroll BA, et al. **Radiology** 1982 Jun; 143(3):747–50
Ultrasonic diagnosis of a hypernephroma metastatic to the thyroid gland and external jugular vein. Chatzkel S, et al. **Radiology** 1982 Jan;142(1):165–6
Ultrasonic evaluation of fetal umbilical and hepatic vascular anatomy. Chinn DH, et al. **Radiology** 1982 Jul;144(1):153–7
The myth of anechoic renal sinus fat. Cronan JJ, et al. **Radiology** 1982 Jul;144(1):149–52
Minimal-dilatation obstructive nephropathy. Curry NS, et al. **Radiology** 1982 May;143(2):531–4
High-resolution ultrasound evaluation of experimental brain abscess evolution: comparison with computed tomography and neuropathology. Enzmann DR, et al. **Radiology** 1982 Jan;142(1):95–102
The normal choroid plexus: ultrasonographic appearance of the neonatal head. Fiske CE, et al. **Radiology** 1981 Nov; 141(2):467–71
Pseudo-sludge. Fiske CE, et al. **Radiology** 1982 Aug; 144(3):631–2
Cephalic index: its possible use as a predictor of impending fetal demise. Ford KB, et al. **Radiology** 1982 May; 143(2):517–8
Ultrasound versus radionuclide imaging in the evaluation of patients with acute right-upper-quadrant pain [letter] Freeman LM, et al. **Radiology** 1982 Apr;143(1):280–2
Low-lying placenta. Gillieson MS, et al. **Radiology** 1982 Aug; 144(3):577–80
The varied sonographic appearance of the urinary tract in the fetus and newborn with urethral obstruction. Glazer GM, et al. **Radiology** 1982 Aug;144(3):563–8
Ultrasound visualization of the 5-F catheter. Gooding GA, et al. **Radiology** 1982 Aug;144(3):647–8
Displaced retroperitoneal fat: sonographic guide to right upper quadrant mass localization. Gore RM, et al. **Radiology** 1982 Mar;142(3):701–5
Abdominal manifestations of pediatric leukemias: sonographic assessment. Gore RM, et al. **Radiology** 1982 Apr;143(1):207–10
Sonographic findings in four cases of hemangiopericytoma. Correlation with computed tomographic, angiographic, and pathologic findings. Grant EG, et al. **Radiology** 1982 Feb;142(2):447–51
Ultrasound of the prostate. Analysis of tissue texture and abnormalities. Greenberg M, et al. **Radiology** 1981 Dec; 141(3):757–62
OBUS: a microcomputer system for measurement, calculation, reporting, and retrieval of obstetric ultrasound examinations. Greenes RA. **Radiology** 1982 Sep; 144(4):879–83
Hepatic ultrasonography in type I glycogen storage disease (von Gierke disease). Detection of hepatic adenoma and carcinoma. Grossman H, et al. **Radiology** 1981 Dec; 141(3):753–6
Infantile polycystic kidney disease: in utero sonographic diagnosis. Habif DV Jr, et al. **Radiology** 1982 Feb; 142(2):475–7
Increased renal cortical echogenicity: a normal finding in neonates and infants. Haller JO, et al. **Radiology** 1982 Jan; 142(1):173–4
Measurement of the abdominal aortic aneurysm. Plain radiographic and ultrasonographic correlation. Hardy DC, et al. **Radiology** 1981 Dec;141(3):821–3
A prospective evaluation of computed tomography and ultrasound of the pancreas. Hessel SJ, et al. **Radiology** 1982 Apr;143(1):129–33
The renal sinus during allograft rejection: sonographic and histopathologic findings. Hricak H, et al. **Radiology** 1982 Mar;142(3):693–9
Renal parenchymal disease: sonographic-histologic correlation. Hricak H, et al. **Radiology** 1982 Jul; 144(1):141–7
High-resolution dynamic ultrasound imaging of the carotid bifurcation: a prospective evaluation. James EM, et al. **Radiology** 1982 Sep;144(4):853–8
Fetal ocular biometry by ultrasound. Jeanty P, et al. **Radiology** 1982 May;143(2):513–6
Ultrasonic evaluation of fetal limb growth: part II. Jeanty P, et al. **Radiology** 1982 Jun;143(3):751–4
Measurements of fetal kidney growth on ultrasound. Jeanty P, et al. **Radiology** 1982 Jul;144(1):159–62
Ultrasound demonstration of portosystemic collaterals in cirrhosis and portal hypertension. Jüttner HU, et al. **Radiology** 1982 Feb;142(2):459–63
Thickening of the gallbladder wall in acute hepatitis: ultrasound demonstration. Jüttner HU, et al. **Radiology** 1982 Feb;142(2):465–6
The spectrum of sonographic findings in portal hypertension: a subject review and new observations. Kane RA, et al. **Radiology** 1982 Feb;142(2):453–8
Hemodynamic measurements in the evaluation and follow-up of transluminal angioplasty of the iliac and femoral arteries. Kaufman SL, et al. **Radiology** 1982 Feb;142(2):329–36
Sonographic diagnosis of cerebroventricular hemorrhage in utero. Kim MS, et al. **Radiology** 1982 Feb;142(2):479–80
The double line of skin thickening on sonograms of the breast. Kopans DB, et al. **Radiology** 1981 Nov;141(2):485–7
Ultrasonic in vivo and in vitro studies on the nature of the ureteral jet phenomenon. Kremer H, et al. **Radiology** 1982 Jan;142(1):175–7
Renal angiomyolipoma with sonographic demonstration of extension into the inferior vena cava. Kutcher R, et al. **Radiology** 1982 Jun;143(3):755–6
Ultrasonic visualization of the pancreatic duct. Lawson TL, et al. **Radiology** 1982 Sep;144(4):865–71
Air as an ultrasound contrast marker for accurate determination of needle placement. Tumor biopsy localization and other applications. Lee TG, et al. **Radiology** 1982 Jun;143(3):787–8

Sonography of the normal pediatric gallbladder and biliary tract. McGahan JP, et al. **Radiology** 1982 Sep;144(4):873–5
Sonographic spectrum of retroplacental hemorrhage. McGahan JP, et al. **Radiology** 1982 Feb;142(2):481–5
Use of an alphanumeric programmable calculator for obstetrical ultrasound. McGoodwin MC. **Radiology** 1982 Sep;144(4):935
B-scan ultrasound directed pericardiocentesis. A safer approach. McLeary RD, et al. **Radiology** 1982 Sep; 144(4):923
An early sign of fetal demise. Ultrasonic demonstration of clotted blood within the fetal heart. McLeary RD. **Radiology** 1982 Mar;142(3):712
Real-time evaluation of pleural lesions: new observations regarding the probability of obtaining free fluid. Marks WM, et al. **Radiology** 1982 Jan;142(1):163–4
Ultrasonic appearance of mammary carcinoma with a dedicated whole-breast scanner. Maturo VG, et al. **Radiology** 1982 Mar;142(3):713–8
Anteromedial diaphragmatic defects in infancy: current approaches to diagnostic imaging. Merten DF, et al. **Radiology** 1982 Feb;142(2):361–5
Utilization of ultrasound in the evaluation of spinal dysraphism in children. Miller JH, et al. **Radiology** 1982 Jun;143(3):737–40
The accuracy of gray-scale renal ultrasonography in differentiating cystic neoplasms from benign cysts. Pollack HM, et al. **Radiology** 1982 Jun;143(3):741–5
Prospective evaluation of 99mTc-IDA cholescintigraphy and gray-scale ultrasound in the diagnosis of acute cholecystitis. Ralls PW, et al. **Radiology** 1982 Jul; 144(2):369–71
Ultrasound demonstration of a non-calcified gallstone in the distal ileum causing small-bowel obstruction. Renner W, et al. **Radiology** 1982 Sep;144(4):884
201Tl perfusion study of 'ischemic' ulcers of the leg: prognostic ability compared with Doppler ultrasound. Siegel ME, et al. **Radiology** 1982 Apr;143(1):233–5
High-resolution real-time sonography of the parathyroid. Simeone JF, et al. **Radiology** 1981 Dec;141(3):745–51
Sonography of the bile ducts after a fatty meal: an aid in detection of obstruction. Simeone JF, et al. **Radiology** 1982 Apr;143(1):211–5
Computed tomography and ultrasonography of the abdomen in congenital generalized lipodystrophy. Smevik B, et al. **Radiology** 1982 Mar;142(3):687–9
Nuclear magnetic resonance imaging of the pancreas. Smith FW, et al. **Radiology** 1982 Mar;142(3):677–80
Ultrasonic characterization of abdominal tissues via digital analysis of backscattered waveforms. Sommer FG, et al. **Radiology** 1981 Dec;141(3):811–7
Obstructive jaundice and abdominal aortic aneurysm: an ultrasonographic study. Spinelli GD, et al. **Radiology** 1982 Sep;144(4):872
Ultrasonic evaluation of lymphocele formation after staging lymphadenectomy for prostatic carcinoma. Spring DB, et al. **Radiology** 1981 Nov;141(2):479–83
Sonographic demonstration of renal fungus balls. Stuck KJ, et al. **Radiology** 1982 Feb;142(2):473–4
Ultrasonic features of multicystic dysplastic kidney: expanded diagnostic criteria. Stuck KJ, et al. **Radiology** 1982 Apr; 143(1):217–21
Ultrasonography of alcoholic liver disease with histological correlation. Taylor KJ, et al. **Radiology** 1981 Oct; 141(1):157–61
A simple ultrasonographic method for evaluating the patency of an extra-intracranial bypass. Terwey B, et al. **Radiology** 1982 Jul;144(1):185
Ultrasonography and computed tomography of inflammatory abdominal wall lesions. Yeh HC, et al. **Radiology** 1982 Sep; 144(4):859–63
Ultrasonography and computed tomography of gastric wall lesions. Yeh HC, et al. **Radiology** 1981 Oct;141(1):147–55
Ultrasonography of the extremities and pelvic girdle and correlation with computed tomography. Yeh HC, et al. **Radiology** 1982 May;143(2):519–25
Ultrasonic versus radiologic investigation of the paranasal sinuses. Böckmann P, et al. **Rhinology** 1982 Jun;20(2):111–9
Free-hand abdominal fine-needle biopsy aided by sonography. Bondestam S, et al. **ROFO** 1981 Sep; 135(3):320–2
Echographic aspects of thyroid and parotid localizations in non-Hodgkin lymphomas. Bruneton JN, et al. **ROFO** 1982 May;136(5):530–3
The sonographic images of hypernephromas. Suramo I, et al. **ROFO** 1981 Dec;135(6):649–52
Ultrasound examination of the thyroid. Swaenepoel L, et al. **ROFO** 1982 Jul;137(1):12–7
Doppler ultrasound pulsatility index as an alternative to ankle pressure in vascular disease. Levien LJ. **S Afr J Surg** 1981 Jun;19(2):121–7
Anterior fontanelle real-time ultrasonography in infant hydrocephalus. Cremin BJ, et al. **S Afr Med J** 1982 Mar 13;61(11):389–92
Real-time ultrasound in paediatric biliary ascariasis. Case reports. Cremin BJ. **S Afr Med J** 1982 Jun 12;61(24):914–6
Carotid phono-angiography and directional Doppler ultrasound in the assessment of carotid artery stenosis. Fritz VU, et al. **S Afr Med J** 1981 Dec 26;60(26):985–8
The use of ultrasound in ocular diagnosis. Goldberg HL, et al. **S Afr Med J** 1982 Sep 18;62(13):443–6
Subdural fluid in infants diagnosed using the water-bath technique in ultrasonography [letter] Loxton AJ, et al. **S Afr Med J** 1982 Jun 5;61(23):858
Ultrasonic diagnosis of a fetal cardiac malformation. A case report. Milner S, et al. **S Afr Med J** 1982 Jul 17;62(3):105–6
Ultrasonic demonstration in utero of surgically correctable fetal small-bowel obstruction. Osler GE, et al. **S Afr Med J** 1982 Jul 17;62(3):83–6
Ultrasound diagnosis of intracranial abnormality in infants [letter] Schulman A, et al. **S Afr Med J** 1981 Nov 7; 60(19):728–30
Ultrasonographic diagnosis of biliary ascariasis [letter] Schulman A, et al. **S Afr Med J** 1982 Aug 14;62(8):229
Determination of pressure gradient in the Hancock mitral valve from noninvasive ultrasound Doppler data. Holen J, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):177–83
Percutaneous renal biopsy with real-time ultrasonography. Backman U, et al. **Scand J Urol Nephrol** 1982;16(1):65–7
Computed tomography, ultrasonography and gamma camera scintigraphy after renal transplantation. Frödin L, et al. **Scand J Urol Nephrol** 1981;15(3):299–302
Breast imaging in coronal planes with simultaneous pulse echo and transmission ultrasound. Carson PL, et al. **Science** 1981 Dec 4;214(4525):1141–3
Liver imaging by ultrasonography. Taylor KJ. **Semin Liver Dis** 1982 Feb;2(1):1–13 (52 ref.)
Ultrasonographic study of fetal movements. Iannirubertо A, et al. **Semin Perinatol** 1981 Apr;5(2):175–81
Lithopaedion: a case report with ultrasound scan. Lim SM. **Singapore Med J** 1981 Oct;22(5):308–10
Aspiration of thoracic masses and fluid collections under guidance of ultrasonography. Elyaderani MK, et al. **South Med J** 1982 May;75(5):536–9
Sonographic detection of gallbladder perforation. Fleischer AC, et al. **South Med J** 1982 May;75(5):606–7
HIDA scanning and ultrasonography in the expeditious diagnosis of acute cholecystitis. Massie JD, et al. **South Med J** 1982 Feb;75(2):164–8
Noninvasive studies of the carotid bifurcation. Prendes JL. **South Med J** 1982 May;75(5):540–3
An unusual case of chronic ectopic pregnancy. Romer JH, et al. **South Med J** 1981 Oct;74(10):1263–4
Atypical ultrasound findings in gestational trophoblastic disease. Weinstein L, et al. **South Med J** 1981 Dec; 74(12):1537–8
Sonographic demonstration of fibromuscular hyperplasia of the cervical internal carotid artery. Edell SL, et al. **Stroke** 1981 Jul-Aug;12(4):518–20
Comparison of oculoplethysmography/carotid phonoangiography with duplex scan/spectral analysis in the detection of carotid artery stenosis. Keagy BA, et al. **Stroke** 1982 Jan-Feb;13(1):43–5
Evaluation of occlusive cerebrovascular disease using ultrasonic quantitative flow measurement. Mizukami M, et al. **Stroke** 1981 Nov-Dec;12(6):793–8
Evaluation of human hemispheric blood flow based on non invasive carotid blood flow measurements using the range-gated Doppler technique. Payen DM, et al. **Stroke** 1982 May-Jun;13(3):392–8
Ultrasonic evaluation of superficial temporal artery-middle cerebral artery anastomosis. Tanaka K, et al. **Stroke** 1981 Nov-Dec;12(6):803–7
Evaluation of cross-circulation through circle of Willis using an ultrasonic Doppler technique. Part I. Comparison between blood flow velocity by ultrasonic Doppler flowmetry and angiogram. Yoneda S, et al. **Stroke** 1981 Jul-Aug;12(4):478–84
Evaluation of cross-circulation through circle of Willis using an ultrasonic Doppler technique. Part II. Comparison between blood flow velocity by ultrasonic Doppler flowmetry and cerebrovascular resistance. Yoneda S, et al. **Stroke** 1981 Jul-Aug;12(4):484–8
Correlation of peak Doppler frequency with lumen narrowing in carotid stenosis. Zwiebel WJ, et al. **Stroke** 1982 May-Jun;13(3):386–91
The role of computed tomography and ultrasound imaging in biliary tract disease. Reid MH, et al. **Surg Clin North Am** 1981 Aug;61(4):787–825 (61 ref.)
Detection of occlusive disease of the carotid artery with continuous wave Doppler spectral analysis. Brown PM, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):183–6
A comparison of two techniques for the detection of the vasculogenic component of impotence. Lane RJ, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):230–4
A comparative study of the use of fluorescein and the Doppler device in the determination of intestinal viability. Mann A, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):53–5
Ultrasonography as a diagnostic adjunct for the evaluation of masses in the scrotum. Richie JP, et al. **Surg Gynecol Obstet** 1982 May;154(5):695–8
Carotid Doppler hemodynamics in posttraumatic intracranial hypertension. Steiger HJ. **Surg Neurol** 1981 Dec; 16(6):459–61
Determination of the hemodynamic significance of iliac artery stenosis by noninvasive Doppler ultrasonography. Archie JP Jr, et al. **Surgery** 1982 Apr;91(4):419–24
Detection of subcritical stenoses by Doppler spectrum analysis. Bendick PJ, et al. **Surgery** 1982 Jun;91(6):707–11
Ultrasonic indications to explore the common bile duct. Lane RJ, et al. **Surgery** 1982 Mar;91(3):268–74
Real-time intraoperative angiosonography after carotid endarterectomy. Lane RJ, et al. **Surgery** 1982 Jul;92(1):5–9
Diagnosis of upper extremity deep venous thrombosis using noninvasive technique. Sottiurai VS, et al. **Surgery** 1982 May;91(5):582–5
Ultrasound-guided catheter localization of intrahepatic abscesses--an aid in open surgical drainage. Yaremchuk MJ, et al. **Surgery** 1982 Apr;91(4):482–4
Real-time scanning as an adjunct to conventional hepatic sonography. Eftekhari F, et al. **Tex Med** 1982 May; 78(5):61–6
Non-invasive studies of the extra-cranial cerebral arteries: indication for angiography and operation. Schain FH, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):2–6
Diagnosis of deep vein thrombosis by combination of Doppler ultrasound flow examination and strain gauge plethysmography. An alternative to venography only in particular conditions despite improved accuracy of the Doppler method. Bounameaux H, et al. **Thromb Haemost** 1982 Apr 30;47(2):141–4
A new synchronous video urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1982 Mar;136(3):349–50
Combined urodynamic and ultrasonic techniques: a new diagnostic method for the lower urinary tract. Nishizawa O, et al. **Tohoku J Exp Med** 1982 Feb;136(2):231–2
Ultrasonic diagnosis of abdominal disease in Kenya. DeCock KM, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):632–6
Doppler ultrasound in the diagnosis of vascular occlusion in renal transplantation.. Wood RF, et al. **Transplantation** 1982 May;33(5):547–51
An annular array system for high resolution breast echography. Arditi M, et al. **Ultrasonic Imaging** 1982 Jan; 4(1):1–31
Time series analysis of ultrasonic observations of gross fetal body movements during the last 10 weeks of pregnancy. Campbell K, et al. **Ultrasonic Imaging** 1981 Oct;3(4):330–41
Behavior of arterial grafts at the hip and knee joints. Clifford PC, et al. **Ultrasonic Imaging** 1982 Jan;4(1):83–91
Computerized ultrasound tomography of the human head: experimental results. Dines KA, et al. **Ultrasonic Imaging** 1981 Oct;3(4):342–51
Ultrasonic backscattering from non-uniform scatterers. Koch I. **Ultrasonic Imaging** 1982 Apr;4(2):140–62
Texture analysis of ultrasonic signals - a comparison of the use of radiofrequency and demodulated A-scan data. Lerski RA, et al. **Ultrasonic Imaging** 1981 Oct;3(4):369–77
An improved medical ultrasonic imaging system for scanning peripheral anatomy. Marich KW, et al. **Ultrasonic Imaging** 1981 Oct;3(4):309–22
A ternary solution for independent acoustic impedance and speed of sound matching to biological tissues. Ophir J, et al. **Ultrasonic Imaging** 1982 Apr;4(2):163–70
In vivo enhancement of ultrasonic image luminance by aqueous solutions with high speed of sound. Tyler TD, et al. **Ultrasonic Imaging** 1981 Oct;3(4):323–9
Ultrasonic measurement of small displacements and deformations of tissue. Wilson LS, et al. **Ultrasonic Imaging** 1982 Jan;4(1):71–82
Second International Congress on the Ultrasonic Examination of the Breast. London, 22d-23d June 1981. Abstracts. **Ultrasound Med Biol** 1982;8(4):439–56
Ultrasonic exposure in static and real time echography. Barnett SB, et al. **Ultrasound Med Biol** 1982;8(3):273–6
Ultrasonic mammography without specialized equipment. Comparison with clinical examination and x-rays. Breyer B, et al. **Ultrasound Med Biol** 1982;8(4):377–9
Ultrasonic Doppler studies of the breast. Burns PN, et al. **Ultrasound Med Biol** 1982;8(2):127–43
Bibliography of biomedical ultrasound from 1 January 1971. Carson J, et al. **Ultrasound Med Biol** 1982;8(4):457–67
Measurement of soft tissue motion using correlation between A-scans. Dickinson RJ, et al. **Ultrasound Med Biol** 1982; 8(3):263–71
Turbulence measurements with pulsed Doppler ultrasound employing a frequency tracking method. Giddens DP, et al. **Ultrasound Med Biol** 1982;8(4):427–37
Computer based pattern recognition of carotid arterial disease using pulsed Doppler ultrasound. Greene FM Jr, et al. **Ultrasound Med Biol** 1982;8(2):161–76
Ultrasonic characterization of acute renal failure. Gupta VN, et al. **Ultrasound Med Biol** 1982;8(3):249–61
A preliminary analysis of the ultrasound imaging characteristics of malignant breast masses as compared with x-ray mammographic appearances and the gross and microscopic pathology. Harper AP, et al. **Ultrasound Med Biol** 1982;8(4):365–8
Characteristic echographic features of circumscribed cancer. Kasumi F, et al. **Ultrasound Med Biol** 1982;8(4):369–75
Variation of acoustic attenuation coefficient slope estimates for in vivo liver. Kuc R, et al. **Ultrasound Med Biol** 1982; 8(4):403–12
Ultrasonic characterisation of diffuse liver disease - the relative importance of frequency content in the A-scan signal. Lerski RA, et al. **Ultrasound Med Biol** 1982; 8(2):155–60
Carotid artery disease: a prospective evaluation of pulsed Doppler imaging. Lusby RJ, et al. **Ultrasound Med Biol** 1981;7(4):365–70
An anthropomorphic ultrasound breast phantom containing intermediate-sized scatterers. Madsen EL, et al. **Ultrasound Med Biol** 1982;8(4):381–92
Transmission of ultrasonic contrast through the lungs. Meltzer RS, et al. **Ultrasound Med Biol** 1981;7(4):377–84
Ultrasonic diffraction scanning of the thyroid. Merton J, et al. **Ultrasound Med Biol** 1982;8(2):145–53

A preliminary assessment of an ultrasonic Doppler method for the study of blood flow in human breast cancer. Minasian H, et al. **Ultrasound Med Biol** 1982;8(4):357–64

A proposed standard target for ultrasound Doppler gain calibration. Newhouse VL, et al. **Ultrasound Med Biol** 1982; 8(3):313–6

Ultrasound scanning in pregnancy: the psychological efforts of fetal feedback [letter] Reading AE, et al. **Ultrasound Med Biol** 1982;8(3):323–4

Measurement of velocity of propagation from ultrasonic pulse–echo data. Robinson DE, et al. **Ultrasound Med Biol** 1982;8(4):413–20

A double beam Doppler ultrasound method for quantitative blood flow velocity measurement. Wei-qi W, et al. **Ultrasound Med Biol** 1982;8(4):421–5

Symposium on endourology. **Urol Clin North Am** 1982 Feb; 9(1):1–205

Computed tomography and ultrasonography for diagnosis and treatment of renal and retroperitoneal abscesses. Gerzof SG, et al. **Urol Clin North Am** 1982 Feb;9(1):185–93

Percutaneous nephropyelostomy under continuous real-time ultrasound guidance. Heckemann R, et al. **Urol Radiol** 1981; 3(3):171–5

Sonographic criteria for renal allograft rejection. Heckemann R, et al. **Urol Radiol** 1982;4(1):15–8

Diffuse xanthogranulomatous pyelonephritis: analysis by computed tomography and sonography. Subramanyam BR, et al. **Urol Radiol** 1982;4(1):5–9

How accurate is ultrasonography in detecting hydronephrosis in azotemic patients? Talner LB, et al. **Urol Radiol** 1981; 3(1):1–6

Ultrasonic assessment of residual urine volume. Rageth JC, et al. **Urol Res** 1982;10(2):57–60

Ultrasonic inaccuracies in diagnosing renal obstruction. Amis ES Jr, et al. **Urology** 1982 Jan;19(1):101–5

Predictability of renal allograft prognosis during rejection crisis by ultrasonic Doppler flow technique. Arima M, et al. **Urology** 1982 Apr;19(4):389–94

In utero sonogram in prune belly syndrome. Shih WJ, et al. **Urology** 1982 Jul;20(1):102–5

Real-time sonography of congenital cystic kidney disease. Sumner TE, et al. **Urology** 1982 Jul;20(1):97–101

Intratesticular cysts. Takihara H, et al. **Urology** 1982 Jul; 20(1):80–2

Detection of a live fetus in cattle using Doppler-ultrasound. Richardson C, et al. **Vet Rec** 1981 Sep 26;109(13):286–7

Ultrasound in obstetrics and gynaecology. Matadial L, et al. **West Indian Med J** 1981 Dec;30(4):178–84

Complementary diagnostic procedures in occult breast carcinoma. Matallana RH. **Wis Med J** 1981 Mar;80(3):35–6

Ultrasound in the diagnosis of lymphangioma. Orrison WW, et al. **Wis Med J** 1981 Mar;80(3):30–2

Ultrasonic diagnosis of testicular torsion. Arnbjörnsson E, et al. **Z Kinderchir** 1981 Nov;34(3):269–72

Ultrasound: first mandatory step in diagnosis of abdominal masses in children. dell'Agnola CA, et al. **Z Kinderchir** 1981 Sep;34(1):17–24

Assessment of CSF shunts by Doppler ultrasound. Mitra DK, et al. **Z Kinderchir** 1981 Dec;34(4):330–4

[Determination of fetal weight and growth by ultrasonic measurement of the biparietal diameter] Ilieva K. **Akush Ginekol (Sofiia)** 1981;20(3):214–7 **(Bul)**

[Comparative characteristics of echography and human chorionic gonadotropin values in the detection of pathology in the 1st trimester of pregnancy] Ilieva K, et al. **Akush Ginekol (Sofiia)** 1981;20(5):365–8 (Eng. Abstr.) **(Bul)**

[Characteristics of ultrasound used in obstetrics and gynecology] Khadzhiev A. **Akush Ginekol (Sofiia)** 1981; 20(6):475–81 (16 ref.) **(Bul)**

[Ultrasonic placentoscopy] Popvasilev N, et al. **Akush Ginekol (Sofiia)** 1981;20(3):217–23 (Eng. Abstr.) **(Bul)**

[Renal biopsy following ultrasonic localization of the kidney] Bakürzhiev M, et al. **Vutr Boles** 1982;21(1):61–5 (Eng. Abstr.) **(Bul)**

[Results of the use of ultrasonic diagnosis in kidney diseases] Dzherasi R. **Vutr Boles** 1982;21(1):75–80 (Eng. Absir.) **(Bul)**

[Ultrasonic studies of the abdominal organs. II. Its diagnostic value in liver diseases] Mechkov G, et al. **Vutr Boles** 1982; 21(1):36–45 (Eng. Abstr.) **(Bul)**

[Diagnostic value of ultrasound studies in gastroenterology] Tsvetkova V, et al. **Vutr Boles** 1982;21(2):1–7 (37 ref.) **(Bul)**

[Gray scale ultrasonic and X-ray diagnosis of primary carcinoma of the gallbladder (author's transl)] Hao FM. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):13–5 **(Chi)**

[X-ray and gray scale ultrasonic diagnosis of peritoneal mesothelioma (author's transl)] Li SN. **Chung Hua Fang She Hsueh Tsa Chih** 1981 May;15(2):91–3 **(Chi)**

[Detection of umbilical coils around the fetal neck by Doppler's ultrasound technic (report of 112 cases) (author's transl)] Qian ZL. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):31 **(Chi)**

[Diagnosis of early pregnancy by type B ultrasonic tomography technic (with report of 220 cases) (author's transl)] Xia MA. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):150–3 **(Chi)**

[The role of type B ultrasonic tomography in gynecology (analysis of 446 cases) (author's transl)] Xia RJ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):154–8 **(Chi)**

[Clinical observation of ultrasonic (sector scanning) diagnosis of anencephalus (author's transl)] Xu G. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):211–3 **(Chi)**

[Ultrasonic diagnosis for cerebral hydatid cyst—analysis of 18 cases (author's transl)] Liu DF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1981 May; 13(2):121–2 **(Chi)**

[Grey-scale ultrasonography in differential diagnosis of jaundice (author's transl)] Dong BW. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):398–400 (Eng. Abstr.) **(Chi)**

[Ultrasonic diagnosis of tuberculosis of vertebrae complicated by paravertebral or psoas abscess: with analysis of 81 cases (author's transl)] Ma HF. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):232–3 **(Chi)**

[The application of B-scan ultrasonography in ophthalmology (author's transl)] Song GX. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):1–4 **(Chi)**

[B-scan ultrasonography and computerized tomography of intraorbital hemangiomas (author's transl)] Song GX. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):200–3 **(Chi)**

[Preliminary evaluation of the differential diagnosis between malignant and benign thyroid nodules by radionuclide scanning and B-mode ultrasound (author's transl)] Cai QQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar;3(1):27–30 **(Chi)**

[The value of ultrasonography in the diagnosis of postoperative intussusception (author's transl)] Chang YL, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Aug;80(8):855–8 **(Chi)**

[The significance of the ultrasound method for the monitoring of patients after reconstructive vascular operations (author's transl)] Bartoš J, et al. **Cas Lek Cesk** 1981;120(50):1521–7 (Eng. Abstr.) **(Cze)**

[Ultrasonography, computer tomography and transparietal cholangiography in the diagnosis of pancreatic and biliary tract diseases] Vitek J, et al. **Cesk Gastroenterol Vyz** 1982 Jun;36(3–4):185–92 **(Cze)**

[National use of the gravidogram as one method of lowering perinatal mortality] Chalupa M. **Cesk Gynekol** 1982 Apr; 47(3):176–7 **(Cze)**

[Xipho–omphalopagi contraverti – prenatal and postnatal diagnosis] Jirouš J, et al. **Cesk Gynekol** 1982 Jun;47(5):370–4 **(Cze)**

[Relationship of ultrasound and computer tomography in the diagnostic algorithm of uterine and ovarian tumours (author's transl)] Jirouš J, et al. **Cesk Gynekol** 1982 Jun; 47(5):350–7 (Eng. Abstr.) **(Cze)**

[Emmetropic eye in an ultrasonographic investigation. III. Intraocular dimensions of the emmetropic eye (author's transl)] Beránek J. **Cesk Oftalmol** 1981 Jul;37(4):285–92 (Eng. Abstr.) **(Cze)**

[The emmetropic eye in ultrasonographic study. IV. Determination of linear dependence of followed quantities (author's transl)] Beránek J. **Cesk Oftalmol** 1981 Sep; 37(5):349–53 (Eng. Abstr.) **(Cze)**

[Ultrasonographic study of the emmetropic eye. V. Changes of ocular distances of the emmetropic eye after instillation of miotics (author's transl)] Beránek J. **Cesk Oftalmol** 1981; 37(6):448–59 (Eng. Abstr.) **(Cze)**

[Ultrasonic biometry in bilateral anterior and posterior lenticonus (author's transl)] Káňová J, et al. **Cesk Oftalmol** 1982 May;38(3):214–7 (Eng. Abstr.) **(Cze)**

[Prenatal ultrasonic diagnosis for the improvement of perinatology outcome in multiple pregnancy] Cech E. **Cesk Pediatr** 1981 Aug;36(8):444–8 (Eng. Abstr.) **(Cze)**

[Ultrasonic, hormonal and biochemical study of intrauterine fetal development in healthy and sick women] Fuchs V, et al. **Cesk Pediatr** 1981 Aug;36(8):438–43 (Eng. Abstr.) **(Cze)**

[Ultrasonic diagnosis in perinatology] Suk V, et al. **Cesk Pediatr** 1981 Aug;36(8):433–7 (Eng. Abstr.) **(Cze)**

[Cholecystokinin-secretin test and ultrasonography in the diagnosis of chronic pancreatitis] Dítě P, et al. **Vnitr Lek** 1982 Mar;28(3):237–40 (Eng. Abstr.) **(Cze)**

[Ultrasonics in diagnosis of a palpable abdominal mass] Gammelgaard J, et al. **Ugeskr Laeger** 1982 Jan 25; 144(4):235–6 (Eng. Abstr.) **(Dan)**

[Doppler ultrasonics. A non-invasive method of measuring blood circulation time and systolic time interval] Lang-Jensen T. **Ugeskr Laeger** 1981 Mar 15;143(11):666–70 (Eng. Abstr.) **(Dan)**

[Jaundice diagnosis with dynamic ultrasonography] Pedersen JH, et al. **Ugeskr Laeger** 1981 Apr 6;143(15):921–3 (Eng. Abstr.) **(Dan)**

[Hygroma colli demonstrated by ultrasonic scanning] Skovbo P, et al. **Ugeskr Laeger** 1981 Oct 5;143(41):2653–4 (Eng. Abstr.) **(Dan)**

[Are scintigraphy and echography of the thyroid supplementary examination methods?] de Haas G, et al. **Ned Tijdschr Geneeskd** 1982 Feb 27;126(9):365–71 (Eng. Abstr.) **(Dut)**

[Percutaneous echo–nephrostomy: an old method with a new twist] Radder RW, et al. **Ned Tijdschr Geneeskd** 1982 May 8;126(19):846–51 (Eng. Abstr.) **(Dut)**

[Intracranial hemorrhage and asphyxia in newborn infants studied further with the Doppler ultrasonic method] van BEl F, et al. **Tijd Kindergeneeskd** 1982 Feb;50(1):1–10 (Eng. Abstr.) **(Dut)**

[Visualization of adrenal tumors] Suramo I, et al. **Duodecim** 1982;98(11):879–85 (Eng. Abstr.) **(Fin)**

[Ultrasonography of the scrotum] Suramo I, et al. **Duodecim** 1982;98(1):23–7 **(Fin)**

[Value of echotomography in the diagnosis of embryofetal malformations] Sturbois G. **Acquis Med Recent** 1981; 198:123–36 **(Fre)**

[The contribution of echotomography and of endoscopic cholangiowirsungography to the diagnosis of the diseases of the pancreatico–biliary ductal system. A prospective study (author's transl)] Deltenre M, et al. **Acta Gastroenterol Belg** 1981 May–Jun;44(5–6):225–32 (Eng. Abstr.) **(Fre)**

[The contribution of ultrasonography and computerized tomography to the diagnosis of jaundice induced by obstruction of the extrahepatic bile ducts (author's transl)] Lousse JP, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec; 44(11–12):523–7 **(Fre)**

[Diagnostic problems of renal tumors. Value and inadequacy of echotomography and of computerized axial tomography] Bouffioux C, et al. **Acta Urol Belg** 1981 Jul;49(3):263–72 (Eng. Abstr.) **(Fre)**

[Echography. Its perspectives in oro–facial pathology] Sassoon C, et al. **Actual Odontostomatol (Paris)** 1981; (134):273–80 (Eng. Abstr.) **(Fre)**

[Peripheral circulatory effects of peridural anesthesia in pregnant women in labor (letter)] Payen D. **Anesth Analg (Paris)** 1982;38(11–12):745–6 **(Fre)**

[Contribution of ultrasonic examination, by means of the Doppler effect (author's transl)] Boespflug O. **Ann Cardiol Angeiol (Paris)** 1982 Jan–Feb;31(1):1–6 (Eng. Abstr.) **(Fre)**

[What could be expected of Dopplerian exploration of limbs? (author's transl)] Perrot B. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep;30(4):261–7 (36 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasonography in paranasal sinus disease (author's transl)] Mann W, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(6):299–303 (Eng. Abstr.) **(Fre)**

[Suppurative myositis caused by pyogenes: the value of echotomography. Case report] Barbier ML, et al. **Ann Pediatr (Paris)** 1982 May;29(5):353–6 **(Fre)**

[Ultrasonic evaluation of abdominal tumors in children (author's transl)] Fornage B, et al. **Ann Pediatr (Paris)** 1982 May;29(5):329–34 (Eng. Abstr.) **(Fre)**

[Echographic aspects of pulmonary hydatid cysts in children. Review of seven cases (author's transl)] Meyer P, et al. **Ann Radiol (Paris)** 1982 Apr–May;25(4):249–53 (Eng. Abstr.) **(Fre)**

[Acute cholecystitis diagnosed by ultrasound. A critical study of fifty surgically proven cases (author's transl)] Vouge M, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):195–200 (Eng. Abstr.) **(Fre)**

[Echography in gonadal dysgenesis and ovarian dystrophy (author's transl)] Colle M, et al. **Arch Fr Pediatr** 1982 Jan; 39(1):9–12 (Eng. Abstr.) **(Fre)**

[Radiological case of the month] Delaporte B, et al. **Arch Fr Pediatr** 1981 Nov;38(9):709–10 **(Fre)**

[Renal venous thrombosis in infants. Ultrasonic findings in 7 cases (author's transl)] Montagne JP, et al. **Arch Fr Pediatr** 1982 Feb;39(2):67–73 (Eng. Abstr.) **(Fre)**

[Doppler velocimetric study of the arteries involved in erection. A new diagnostic approach to sexual impotence of arterial origin] Battino J, et al. **Arch Mal Coeur** 1981 Dec;74(12):1457–63 (Eng. Abstr.) **(Fre)**

[Venous Doppler ultrasonography. Methods, indications and limits] Dany F, et al. **Arch Mal Coeur** 1981 Jul;74(7):853–62 (Eng. Abstr.) **(Fre)**

[Hemodynamic study by pulsed ultrasonic velocimetry of axillo–femoral bypass] Levy BI, et al. **Arch Mal Coeur** 1981 Aug;74(8):979–84 (Eng. Abstr.) **(Fre)**

[Diagnosis and evaluation of aortic insufficiency by continuous Doppler velocimetry of the subclavian artery] Veyrat C, et al. **Arch Mal Coeur** 1982 Feb;75(2):155–67 (Eng. Abstr.) **(Fre)**

[Value of A,B,D and CV echography with memory in ophthalmology] Poujol J. **Bull Mem Soc Fr Ophtalmol** 1981;93:269–75 **(Fre)**

[Objective methods of tissue characterization using ultrasound. Prospectives for clinical application in ophthalmology] Weigelin E, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:332–5 **(Fre)**

[One year of echography B] Geerts D, et al. **Bull Soc Belge Ophtalmol** 1981;192:11–21 (Eng. Abstr.) **(Fre)**

[Correlations between ophthalmodynamometry, Doppler and carotid angiography in asymptomatic carotid stenosis] Barut C, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep; 81(8–9):669–73 **(Fre)**

[Preliminary results of phonatory echotomography (author's transl)] Rybak B, et al. **C R Seances Acad Sci [III]** 1982 May 10;294(17):855–7 **(Fre)**

[Echography in gynaecology: value and limitations (author's transl)] Boury-Heyler C, et al. **Chirurgie** 1981 Apr–May; 107(5):355–60 (Eng. Abstr.) **(Fre)**

[Ultrasonographic control during surgery on congenital arteriovenous fistulae in the limbs (author's transl)] Cormier JM, et al. **Chirurgie** 1981;107(6):424–7 (Eng. Abstr.) **(Fre)**

[Comparative value of echotomography, computed tomography and aortography in the assessment of ectasia

of the sub-renal aorta. 43 cases (author's transl)] Imbert P, et al. **Chirurgie** 1981;107(8):592-6 (Eng. Abstr.) **(Fre)**

[Ultrasonographic control during biopsy procedures and percutaneous aspirations (author's transl)] Robin E, et al. **Chirurgie** 1981;107(3):244-7 (Eng. Abstr.) **(Fre)**

[Ultrasonographic diagnosis of jaundiced patients: a general review (author's transl)] Weill F, et al. **Chirurgie** 1981; 107(3):237-43 (Eng. Abstr.) **(Fre)**

[Contribution of ultrasonography to the diagnosis of renal masses (author's transl)] Weill F, et al. **Chirurgie** 1981; 107(3):248-53 (Eng. Abstr.) **(Fre)**

[Ultrasonography and the acute abdomen (author's transl)] Weill F, et al. **Chirurgie** 1981;107(3):254-5 (Eng. Abstr.) **(Fre)**

[Ultrasonography and pancreatic diseases (author's transl)] Kunstlinger F. **Gastroenterol Clin Biol** 1982 Mar; 6(3):256-62 **(Fre)**

[Subclinical varicocele: detection using Doppler and thermography] Pellet B, et al. **Helv Chir Acta** 1981 Aug; 48(3-4):355-8 (Eng. Abstr.) **(Fre)**

[Interest of echography in thyroidal disease (author's transl)] Carlier L, et al. **J Belge Radiol** 1981;64(4):327-37 (Eng. Abstr.) **(Fre)**

[Follow-up of hydatiform mole] Carlier-Conrads L, et al. **J Belge Radiol** 1981;64(5):421-3 **(Fre)**

[Ultrasonic control of normal pregnancy (author's transl)] Créteur V, et al. **J Belge Radiol** 1981;64(4):343-9 (Eng. Abstr.) **(Fre)**

[Ultrasonography and cyst of the breast (author's transl)] Rombaut M. **J Belge Radiol** 1981;64(6):479-85 (Eng. Abstr.) **(Fre)**

[Xerography and ultrasonography in soft tissue pathology] Vukanovic S, et al. **J Belge Radiol** 1981;64(4):309-19 (Eng. Abstr.) **(Fre)**

[Contribution of Doppler investigations of the deep venous axes to the prevention and diagnosis of thrombo-embolic disease (author's transl)] Dany F, et al. **J Chir (Paris)** 1982 Feb;119(2):123-33 (22 ref.) (Eng. Abstr.) **(Fre)**

[Ultrasonography and computed tomography in ophthalmological practice: comparative value during exploration of the eye and orbit (author's transl)] Toufic N, et al. **J Fr Ophtalmol** 1981;4(6-7):487-502 (Eng. Abstr.) **(Fre)**

[Prenatal ultrasound measurement of the interorbital distance. Method of recognizing lesser degrees of holoprosencephaly] Aubry JP, et al. **J Genet Hum** 1981 Dec;29(4):395-407 (Eng. Abstr.) **(Fre)**

[Commission for the Study of Interdisciplinary Relations. Section on ultrasonography/radiology/obstetrics-gynecology. 23 September 1981/report] **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(1):179-82 **(Fre)**

[The diagnosis of adnexal masses of a gynaecological nature using ultrasound: an analysis of the specificity and reliability of the examination (author's transl)] de Lylle JF, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):775-84 (Eng. Abstr.) **(Fre)**

[Placental localisation : screening and prognosis (author's transl)] Denhez M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(4):335-47 (Eng. Abstr.) **(Fre)**

[Anatomical measurements during fetal growth of the kidney. Its value for the ultrasonographer and the anatomo-pathologist (author's transl)] Gonzalès J. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):113-7 (Eng. Abstr.) **(Fre)**

[The antenatal diagnosis of Bonnevie-Ullrich's syndrome. The role of ultrasound (author's transl)] Henrion R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):831-7 (Eng. Abstr.) **(Fre)**

[The prune-belly syndrome. Antenatal diagnosis (author's transl)] Loverro G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):695-7 (Eng. Abstr.) **(Fre)**

[Ultrasound prenatal diagnosis of congenital duodenal atresia (author's transl)] Moggian G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):587-9 (Eng. Abstr.) **(Fre)**

[Antenatal microcephaly. A contribution of ultrasound. Twelve cases (author's transl)] Sejean S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):699-709 (Eng. Abstr.) **(Fre)**

[The ultra-sound aspects of early partial detachment of the zygote (author's transl)] Villière J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):683-93 (Eng. Abstr.) **(Fre)**

[The value of spectral frequency analysis by Doppler examination (author's transl)] Boccalon H, et al. **J Mal Vasc** 1981;6(1):55-9 (Eng. Abstr.) **(Fre)**

[Doppler examination. Specificity and sensibility in comparison with standard phlebography in recent deep venous thrombosis of the lower limbs (author's transl)] Boesplug O. **J Mal Vasc** 1982;7(1):77-80 (Eng. Abstr.) **(Fre)**

[Doppler examination in temporal arteritis. Preliminary results (author's transl)] Dany F, et al. **J Mal Vasc** 1981; 6(4):273-7 (Eng. Abstr.) **(Fre)**

[Doppler investigations of collaterals of the cervico-cerebral arteries (author's transl)] Franceschi C. **J Mal Vasc** 1981; 6(2):89-100 (Eng. Abstr.) **(Fre)**

[Carotid loops and folds, one of the limitations of the Doppler examination (author's transl)] Jouven-Sicard J, et al. **J Mal Vasc** 1981;6(1):29-33 (Eng. Abstr.) **(Fre)**

[Non-invasive explorations of the carotid arteries (author's transl)] Persson AV, et al. **J Mal Vasc** 1981;6(4):263-8 (Eng. Abstr.) **(Fre)**

[Spectral analysis of frequencies by conventional Doppler effect examination of the supra-aortic trunks (author's transl)] Reggi M, et al. **J Mal Vasc** 1981;6(3):215-9 (Eng. Abstr.) **(Fre)**

[Doppler in the diagnosis of glomus tumours (author's transl)] Trignano M, et al. **J Mal Vasc** 1981;6(3):161-5 **(Fre)**

[Pelvic hydatid cyst: atypical ultrasonographic findings in one case (author's transl)] Aimino R, et al. **J Radiol** 1982 Mar;63(3):197-9 (Eng. Abstr.) **(Fre)**

[Comparative study of ultrasonography and scintigraphy in liver metastases detection in cases of colorectal carcinoma (author's transl)] Arnaud JP, et al. **J Radiol** 1982 Feb; 63(2):97-100 (Eng. Abstr.) **(Fre)**

[Echogenic gallbladder sludge: ultrasonographic study and pathological significance in 74 cases (author's transl)] Blais J, et al. **J Radiol** 1982 Feb;63(2):85-90 (Eng. Abstr.) **(Fre)**

[The liver masses in ultrasonography. Report on 400 cases (author's transl)] Bruneton JN, et al. **J Radiol** 1982 Mar; 63(3):181-7 (Eng. Abstr.) **(Fre)**

[Echography in tumor pathology of uterus (author's transl)] Bruneton JN, et al. **J Radiol** 1982 Feb;63(2):101-5 (Eng. Abstr.) **(Fre)**

[Contribution of ultrasonography to the study of retroperitoneal tumors in children (author's transl)] Cadier L, et al. **J Radiol** 1982 Jan;63(1):15-23 (Eng. Abstr.) **(Fre)**

[Generalized adenomyomatosis of the gallbladder: ultrasonographic appearance in one case (author's transl)] Claudon M, et al. **J Radiol** 1982 Feb;63(2):119-22 (Eng. Abstr.) **(Fre)**

[Celiac artery aneurysms: ultrasonographic appearances in two cases (author's transl)] Dana A, et al. **J Radiol** 1981 Mar;62(3):171-5 (Eng. Abstr.) **(Fre)**

[Diagnosis of 'severe' renal insufficiency of unknown origin: value and respective roles of ultrasonography and intravenous urography (author's transl)] Dana A, et al. **J Radiol** 1981 Dec;62(12):621-7 (Eng. Abstr.) **(Fre)**

[Ultrasonographic appearance of renal cancer. Correlation with arteriographic and histopathologic findings in 45 cases (author's transl)] Dana A, et al. **J Radiol** 1982 Jan;63(1):1-8 (Eng. Abstr.) **(Fre)**

[Spontaneous extensive duodenal hematoma during fibrinolytic treatment. Ultrasonographic diagnosis and follow-up (author's transl)] Delgoffe C, et al. **J Radiol** 1981 Mar;62(3):187-9 (Eng. Abstr.) **(Fre)**

[Ultrasonographic appearance of gallbladder calcification: a case report (author's transl)] Delgoffe C, et al. **J Radiol** 1981 Dec;62(12):669-72 (Eng. Abstr.) **(Fre)**

[Diagnostic value of ultrasonography in pancreatic duct dilatation. Results in 29 cases (author's transl)] Kunstlinger F, et al. **J Radiol** 1982 Jan;63(1):25-30 (Eng. Abstr.) **(Fre)**

[Bilateral nephrocalcinosis during the course of a Butler-Albright syndrome, explored by ultrasonography. A case report (author's transl)] Madoulé P, et al. **J Radiol** 1981 Dec;62(12):665-8 (Eng. Abstr.) **(Fre)**

[Suprarenal cysts. Diagnostic value of percutaneous puncture guided by echoscopy (author's transl)] Matter D, et al. **J Radiol** 1982 Mar;63(3):219-21 (Eng. Abstr.) **(Fre)**

[Percutaneous radiography of the pancreatic duct under ultrasonographic control (author's transl)] Matter D, et al. **J Radiol** 1982 Jan;63(1):49-51 (Eng. Abstr.) **(Fre)**

[Ultrasonographic appearances in three cases of pancreas divisum (author's transl)] Piétri H, et al. **J Radiol** 1981 Dec; 62(12):639-45 (Eng. Abstr.) **(Fre)**

[Ultrasound anatomy of the right hypocondrium on coronal scans. Description and clinical applications (author's transl)] Poncin J, et al. **J Radiol** 1982 Feb;63(2):91-5 (Eng. Abstr.) **(Fre)**

[Double contour ultrasonographic images of the gallbladder wall. Report on eight cases (author's transl)] Sabrie C, et al. **J Radiol** 1981 Jun-Jul;62(6-7):391-6 **(Fre)**

[Arteriovenous fistula of the spleen revealed by ascites and profuse diarrhea. A case report including ultrasonography and arteriography findings (author's transl)] Wenger JJ, et al. **J Radiol** 1981 May;62(5):321-5 (Eng. Abstr.) (Fre)

[The echographic assessment of the size of normal pyelo-calyceal cavities. Accuracy and limits (author's transl)] Dana A, et al. **J Urol (Paris)** 1982;88(5):271-4 (Eng. Abstr.) **(Fre)**

[Male genitourinary ultrasound studies (MGUUS) (author's transl)] Lardennois B, et al. **J Urol (Paris)** 1982;88(1):15-26 (Eng. Abstr.) **(Fre)**

[Transurethral and transrectal examination of the bladder and prostate by ultrasound (author's transl)] Matouschek E. **J Urol (Paris)** 1982;88(5):275-9 (Eng. Abstr.) **(Fre)**

[Contribution of echotomography in the diagnosis of adrenal tumors] Sabatier JC, et al. **J Urol (Paris)** 1981;87(2):119-21 **(Fre)**

[Echographic diagnosis of fetal urinary malformations (author's transl)] Schulman CC, et al. **J Urol (Paris)** 1981; 87(7):431-5 (Eng. Abstr.) **(Fre)**

[Examination of the peripheral arteries by Doppler ultrasonography and echotomography in diabetic subjects] Franceschi C, et al. **Journ Annu Diabetol Hotel Dieu** 1982; :71-5 **(Fre)**

[Biliary complications of hepatic hydatid cysts. Echographic diagnosis] Abdeselem K, et al. **Med Chir Dig** 1982; 11(3):189-91 (Eng. Abstr.) **(Fre)**

[Malignant non-Hodgkin lymphomas in children: echographic symptomatology] Gharbi HA, et al. **Med Chir Dig** 1982;11(3):181-3 (Eng. Abstr.) **(Fre)**

[Use of Doppler ultrasonic examination for per-operative checking of non surgical upper dorsal sympathectomy in the treatment of hyperhydrosis (author's transl)] Nguyen TX, et al. **Neurochirurgie** 1981;27(4):233-5 (Eng. Abstr.) **(Fre)**

[Radio-transparent renal calculi and epithelial tumours. Contribution of ultrasound and CT scan to the diagnosis (author's transl)] Boccon Gibod L, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3231-2 (Eng. Abstr.) **(Fre)**

[Transrectal ultrasonography of the prostate (author's transl)] Chapelon JY, et al. **Nouv Presse Med** 1981 Nov 21; 10(42):3491-2 (Eng. Abstr.) **(Fre)**

[Ultrasonographic assessment of traumatic muscle injuries in athletes (author's transl)] Fornage B, et al. **Nouv Presse Med** 1982 Feb 20;11(8):571-5 (Eng. Abstr.) **(Fre)**

[Hepatic distomiasis. Value of echotomography (letter)] Vives L, et al. **Nouv Presse Med** 1982 Mar 6;11(11):868 **(Fre)**

[Postinjury fluid collection in the lesser epiploon of pancreatic origin in a child. Contribution of echotomography] Fouquet C, et al. **Pediatrie** 1981 Dec; 36(8):639-43 (Eng. Abstr.) **(Fre)**

[Use of the Doppler effect in the prevention of accidental intraarterial injection of a sclerosing agent] Bacci PA. **Phlebologie** 1981 Jul-Sep;34(3):403-8 (Eng. Abstr.) **(Fre)**

[Importance of Doppler ultrasonics in the recurrence of surgically treated varices] Devambez J, et al. **Phlebologie** 1982 Apr-Jun;35(2):497-505 **(Fre)**

[Measurement of carotid diastolic flow by ultrasonography using the Doppler effect, and its value in diagnosis (authors transl)] Monge-Strauss MF. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct-Dec; 10(4):331-7 (Eng. Abstr.) **(Fre)**

[Antenatal diagnosis of fetal malformations by ultrasound: a case of urethral agenesia with bladder distention (author's transl)] Busine A, et al. **Rev Med Brux** 1981 Sep;2(7):617-22 (Eng. Abstr.) **(Fre)**

[Diagnosis of lesions at the aorto-iliac level using Doppler examination linked to a hyperemia test] Cornette M, et al. **Rev Med Liege** 1982 Jan 15;37(2):37-47 **(Fre)**

[Ultrasonic monitoring of ovulation. Status in artificial insemination with donor sperm] Schaaps JP, et al. **Rev Med Liege** 1981 Apr 1;36(7):253-60 **(Fre)**

[Ultrasonography in diagnosis. Current technological progress] Schaaps JP, et al. **Rev Med Liege** 1981 Sep 15; 36(18):666-73 **(Fre)**

[Echography of the kidney] Anderegg A. **Rev Med Suisse Romande** 1981 Aug;101(8):617-23 **(Fre)**

[Pros and cons of systematic use of ultrasound for normal pregnancy check-ups] Stucki D, et al. **Rev Med Suisse Romande** 1981 Jun;101(6):447-53 **(Fre)**

[Prenatal diagnosis of fetal malformations of the central nervous system using echography] Tran-Ngoc T. **Rev Med Suisse Romande** 1981 May;101(5):351-4 **(Fre)**

[Echotomography of the carotid bifurcation (author's transl)] Mikol F, et al. **Rev Neurol (Paris)** 1981;137(11):661-70 (Eng. Abstr.) **(Fre)**

[Contribution of continuous emission Doppler examination to the assessment of internal carotid artery permeability (author's transl)] Orgogozo JM, et al. **Rev Neurol (Paris)** 1981;137(10):601-12 (Eng. Abstr.) **(Fre)**

[Echotomography in maxillo-facial pathology] Busy F, et al. **Rev Stomatol Chir Maxillofac** 1982;83(2-3):152-4 **(Fre)**

[Is there any justification to the scintigraphy and echotomography B association for the tracking down of hepatic metastases? (author's transl)] Boucherie JC, et al. **Sem Hop Paris** 1982 Jan 28;58(4):250-2 (Eng. Abstr.) **(Fre)**

[Suprapubic prostatic ultrasonography (author's transl)] Matter D, et al. **Sem Hop Paris** 1982 May 6;58(18):1089-94 (Eng. Abstr.) **(Fre)**

[Sonography of echinococcosis] Pirschel J. **Aktuel Probl Chir Orthop** 1982;23:69-74 **(Ger)**

[The origin of the choroidal excavation in b-scan-sonography--an experimental and clinical study (author's transl)] Rochels R. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(3):193-7 (Eng. Abstr.) **(Ger)**

[Response to the article of P. Fröhlich and B. Gramlich 'Remarks on skeletal diagnosis with ultrasonic attenuation measurement using a frequency of 1MHz'] Pázolt HJ, et al. **Beitr Orthop Traumatol** 1981 Nov;28(11):597-9 **(Ger)**

[Combined evaluation of echography and computed X-ray tomography in orbital diseases] Buschmann W. **Buch Augenarzt** 1982;90:145-56 (Eng. Abstr.) **(Ger)**

[Significance of standardized echography in the diagnosis of orbital and periorbital lesions] Ossoinig KC. **Buch Augenarzt** 1982;90:110-44 (Eng. Abstr.) **(Ger)**

[Advances in the diagnosis of aortic dissection using TM and 2D echography] Bubenheimer P. **Cardiology** 1981;68 Suppl 1:66-74 **(Ger)**

[Diagnosis of ovulation by ultrasonics] Beck L, et al.

Dtsch Med Wochenschr 1981 Oct 16;106(42):1363–5 **(Ger)**

[Volumetric analysis of thyroid lobes by real-time ultrasound (author's transl)] Brunn J, et al. **Dtsch Med Wochenschr** 1981 Oct 9;106(41):1338–40 (Eng. Abstr.) **(Ger)**

[Ultrasonics in acute and chronic infectious kidney diseases] Fiegler W. **Dtsch Med Wochenschr** 1982 May 21; 107(20):787–91 **(Ger)**

[Ultrasonic diagnosis of the breast] Friedrich M. **Dtsch Med Wochenschr** 1982 Mar 5;107(9):341–5 **(Ger)**

[Sonographic diagnosis in cholestasis (author's transl)] Knop P, et al. **Dtsch Med Wochenschr** 1981 Nov 6;106(45):1491–5 (Eng. Abstr.) **(Ger)**

[Real-time sonography of upper abdominal arteries and veins (author's transl)] Müller JE, et al. **Dtsch Med Wochenschr** 1982 May 28;107(21):809–13 (Eng. Abstr.) **(Ger)**

[Sonographic determination of thyroid volume] Pickardt CR. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):426–7 **(Ger)**

[Sonographic demonstration of adrenal region. Utilization of maximal inspiration and scoliosation of spine in the standing patient] Pochhammer KF, et al. **Dtsch Med Wochenschr** 1981 Oct 9;106(41):1349–51 **(Ger)**

[Carotid B-mode scanning–alternative or addition to ultrasound doppler sonography? (author's transl)] Ringelstein EB, et al. **Dtsch Med Wochenschr** 1982 Jun 18;107(24):928–33 (Eng. Abstr.) **(Ger)**

[Ultrasonographic studies in tumors of the mouth floor and tongue in computer tomographically determined cervical lymph node metastases] Hauenstein H, et al. **Dtsch Zahnarztl Z** 1981 Nov;36(11):746–51 (Eng. Abstr.) **(Ger)**

[Doppler sonography in phlebological diagnosis] Bönniger-Beckers F. **Fortschr Med** 1981 Apr 9; 99(14):481–5 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of blunt abdominal injuries] Halbfass HJ, et al. **Fortschr Med** 1981 Nov 5;99(41):1681–5 (Eng. Abstr.) **(Ger)**

[The place of echography compared to endoscopic methods in gastroenterology] Lutz H, et al. **Fortschr Med** 1982 Feb 4;100(5):169–76 (38 ref.) **(Ger)**

[Effects of an ultrasonic technic on diagnosis and therapy in urology] Rodeck G, et al. **Fortschr Med** 1981 Nov 5; 99(41):1700–4 (Eng. Abstr.) **(Ger)**

[The normal pancreas. Demonstration in the sonogram in relation to age] Zimmermann W, et al. **Fortschr Med** 1981 Aug 13;99(30):1178–82 (Eng. Abstr.) **(Ger)**

[Diagnosis of space-occupying renal processes: sonography and aimed fine-needle biopsy] Zimmermann W, et al. **Fortschr Med** 1981 Sep 3;99(33):1275–80 (Eng. Abstr.) **(Ger)**

[A new echographic method for the determination of the ossification centres in the fetal knee (author's transl)] Bernaschek G. **Geburtshilfe Fraunheilkd** 1982 Feb; 42(2):94–7 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of haematocolpos (author's transl)] Büchler K. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):305–6 (Eng. Abstr.) **(Ger)**

[Ultrasonic screening in pregnancy—caution against exaggerated demands] Hansmann M. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):725–8 **(Ger)**

[Procedures in the pregnant and non-pregnant uterus under sonographic control (author's transl)] Meyenburg M. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):35–8 (Eng. Abstr.) **(Ger)**

[The ultra-sound diagnosis of Meckel-syndrome (author's transl)] Pfeiffer KH, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):301–4 (Eng. Abstr.) **(Ger)**

[Results of ultrasonographic examinations in diagnosis of carcinoma of the breast (author's transl)] Schmidt W, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):533–9 (Eng. Abstr.) **(Ger)**

[Ultrasonographic diagnosis of vesicouterine fistula (author's transl)] Weinraub Z, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):397–8 (Eng. Abstr.) **(Ger)**

[Reflectivity and sound attenuation in choroidal melanomas (author's transl)] Rochels R, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(1):37–8 (Eng. Abstr.) **(Ger)**

[The value of angiography, sonography and computerized tomography in colorectal diseases] Haertel M, et al. **Helv Chir Acta** 1982 Feb;48(6):733–43 (Eng. Abstr.) **(Ger)**

[Postnatal development of multicystic encephalopathy in a newborn infant. Ultrasound study of the evolution of multiple cerebral infarctions] Pfister-Goedeke I. et al. **Helv Paediatr Acta** 1982;37(1):59–65 **(Ger)**

[Value and staged use of roentgen diagnostic methods with special reference to sonography and computerized tomography in morphologic kidney diagnosis] Fenzl G, et al. **Internist (Berlin)** 1982 Feb;23(2):89–98 **(Ger)**

[Aspects of the staged use of roentgen diagnostic methods including sonography in diseases of the gallbladder and the bile ducts] Kauffmann GW, et al. **Internist (Berlin)** 1982 Feb;23(2):75–81 **(Ger)**

[The diagnosis of peripheral arterial and venous stenoses and occlusions using Doppler sonography] Kriessmann A. **Internist (Berlin)** 1982 Jul;23(7):393–5 **(Ger)**

[Ultrasonic diagnosis in gastroenterology. Indications and results] Schwerk WB. **Internist (Berlin)** 1982 Jan; 23(1):36–46 **(Ger)**

[Some correlations between ultrasonographic and histopathologic findings in malignant melanoma of the choroid (author's transl)] Guthoff R, et al. **Klin Monatsbl Augenheilkd** 1981 Nov;179(5):330–2 (Eng. Abstr.) **(Ger)**

[Clinical experience with A- and B-scan ultrasonographie (author's transl)] Konstas P, et al. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):45–8 (Eng. Abstr.) **(Ger)**

[A new echographic sign for the reliable diagnosis of graves' disease (author's transl)] Ossoinig KC. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):189–97 (Eng. Abstr.) **(Ger)**

[Analysis of echographic findings in 745 cases (author's transl)] Sayegh FN. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):40–4 (Eng. Abstr.) **(Ger)**

[Quality assurance for diagnostic ultrasonic equipment in A- and B-mode in ophthalmology (author's transl)] Trier HG. **Klin Monatsbl Augenheilkd** 1982 Jan;180(1):103–7 (Eng. Abstr.) **(Ger)**

[Accuracy of ultrasonics in gallbladder diseases (author's transl)] Aufschnaiter M, et al. **Langenbecks Arch Chir** 1981; 354(3):231–5 (Eng. Abstr.) **(Ger)**

[Significance of ultrasonography in diagnosing complications following renal transplantations (author's transl)] Gebauer A, et al. **Langenbecks Arch Chir** 1981;354(2):73–9 (Eng. Abstr.) **(Ger)**

[Fundamentals of echographic diagnosis of acute and chronic sinusitis (author's transl)] Frühwald H, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):431–3 (Eng. Abstr.) **(Ger)**

[Computed tomography and ultrasound: comparison with intraoperative findings of large metastases in the neck (author's transl)] Mika H, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):374–9 (Eng. Abstr.) **(Ger)**

[Echography in rhinogenic orbital complications (author's transl)] Rochels R, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):393–5 (Eng. Abstr.) **(Ger)**

[The use of ultra-sound in sinus disease (author's transl)] Uttenweiler V, et al. **Laryngol Rhinol Otol (Stuttg)** 1980; 59(12):773–81 (Eng. Abstr.) **(Ger)**

[Ultrasonography—diagnosis of fistulas and abscesses in Crohn's disease (author's transl)] Jenss H, et al. **Leber Magen Darm** 1980 Dec;10(6):317–20 (Eng. Abstr.) **(Ger)**

[Carotid auscultation and Doppler sonography of the A. supratrochlearis in cerebral ischemias] Fischer M, et al. **Med Klin** 1981 Oct 9;76(21):600–3 (Eng. Abstr.) **(Ger)**

[Differential echocardiographic diagnosis of left ventricular types of hypertrophies] Hauer F, et al. **Med Welt** 1982 Jul 2;33(26):962–4 **(Ger)**

[Differential diagnosis of cholestasis using sonography and endoscopic retrograde cholangiography] Karoff C, et al. **Med Welt** 1981 Aug 14;32(32–33):1202–3 **(Ger)**

[Ultrasonic diagnosis of adrenal gland tumors] Tenbieg W, et al. **Med Welt** 1981 Aug 28;32(35):1268–72 **(Ger)**

[Current status of radiological and sonographic diagnosis of lung neoplasms] Thelen M. **Med Welt** 1982 Mar 5; 33(9):307–9 **(Ger)**

[Thickening of the gastric wall in the echographic section (author's transl)] Gerhardt KH, et al. **MMW** 1981 Oct 23; 123(43):1607–11 (Eng. Abstr.) **(Ger)**

[Echography of the upper abdominal vessels (author's transl)] Gerhardt KH, et al. **MMW** 1981 Oct 23;123(43):1612–5 (Eng. Abstr.) **(Ger)**

[Echographic early diagnosis of chronic alcoholic pancreatitis? (author's transl)] Heilmann S. **MMW** 1981 Oct 16;123(42):1565–8 (Eng. Abstr.) **(Ger)**

[The transrectal sonography of the prostata (author's transl)] Rendl P. **MMW** 1982 May 14;124(19):478–80 (Eng. Abstr.) **(Ger)**

[Preoperative localization diagnosis in hyperparathyroidism (author's transl)] Welter G, et al. **MMW** 1982 Jul 2; 124(26):627–30 (Eng. Abstr.) **(Ger)**

[Ultrasound-Doppler-sonography following extracranial-intracranial arterial bypass (author's transl)] Bockhorn J. **Nervenarzt** 1982 Apr;53(4):200–4 **(Ger)**

[Indications of ultrasonography in perinatal medicine (author's transl)] Kratochwil A. **Padiatr Padol** 1982; 17(2):341–52 (Eng. Abstr.) **(Ger)**

[Demonstration by non-invasive methods of an azygos continuation of the inferior vena cava (author's transl)] Klapdor R, et al. **Prax Klin Pneumol** 1982 Jan;36(1):3–6 (Eng. Abstr.) **(Ger)**

[Evaluation of the complementary use of different methods for diagnostic ultrasound (author's transl)] Meudt R. **Praxis** 1981 Aug 11;70(33):1421–6 (Eng. Abstr.) **(Ger)**

[Noninvasive diagnosis of occlusive processes of the brachiocephalic arteries: Doppler sonography compared to ophthalmodynamometry and ophthalmodynamography] Ulrich C, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Mar;34(3):155–60 (Eng. Abstr.) **(Ger)**

[Strategy of gallstone diagnosis with reference to ultrasonic diagnosis as a new image-giving procedure] Kunz B, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):135–41 (Eng. Abstr.) **(Ger)**

[Videodensitometry of the ultrasonic tomogram for tissue differentiation of the liver (author's transl)] Raab K, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):127–34 (Eng. Abstr.) **(Ger)**

[The value of ultrasonic tomography for the lymphodiagnosis. 2nd communication: completion or alternative of lymphography (author's transl)] Schüller M, et al. **Radiol Diagn (Berl)** 1981;22(3):328–34 (Eng. Abstr.) **(Ger)**

[Competitive and supplementary use of ultrasonic diagnosis and computer scintigraphy (author's transl)] Seidel K, et al. **Radiol Diagn (Berl)** 1981;22(3):264–6 (Eng. Abstr.) **(Ger)**

[Value of brain sonography in newborns and children (author's transl)] Bliesener JA, et al. **Radiologe** 1981 Nov; 21(11):527–37 (Eng. Abstr.) **(Ger)**

[Sonography of blunt abdominal trauma (author's transl)] Hauenstein KH, et al. **Radiologe** 1982 Mar;22(3):106–11 (Eng. Abstr.) **(Ger)**

[The value of ultrasound evaluation in the diagnosis and therapy of abdominal aortic aneurysms. A review (author's transl)] Heckemann R, et al. **Radiologe** 1982 Mar; 22(3):122–32 (119 ref.) (Eng. Abstr.) **(Ger)**

[Ultrasonics as an aid in the diagnosis of a case of chronic diarrhea] Antes G, et al. **ROFO** 1982 Jul;137(1):112–3 **(Ger)**

[Sonographic aspects of intramural duodenal bleeding (author's transl)] Aufschnaiter M. **ROFO** 1982 Jul; 137(1):91–4 (Eng. Abstr.) **(Ger)**

[Aortic aneurysms and aortic dissection. Computed tomography - angiography - sonography (author's transl)] Brecht G, et al. **ROFO** 1981 Oct;135(4):388–98 (Eng. Abstr.) **(Ger)**

[A new immersion ultrasound technique for the investigation of the scrotum (author's transl)] Claussen C, et al. **ROFO** 1980 Nov;133(5):465–40 (Eng. Abstr.) **(Ger)**

[Suprapubic prostatic sonography in the diagnosis of carcinomas and adenomas of the prostate (author's transl)] Denkhaus H, et al. **ROFO** 1981 Sep;135(3):285–91 (Eng. Abstr.) **(Ger)**

[Classification of bladder tumours by sonography (author's transl)] Egender G, et al. **ROFO** 1982 Apr;136(4):416–20 (Eng. Abstr.) **(Ger)**

[The value of radiological and ultrasound examination in the prenatal diagnosis of the siren syndrome (author's transl)] Fiegler W, et al. **ROFO** 1980 Nov;133(5):539–42 (Eng. Abstr.) **(Ger)**

[Ultrasound in acute renal infections (author's transl)] Fiegler W. **ROFO** 1981 Dec;135(6):640–4 (Eng. Abstr.) **(Ger)**

[Ultrasound in diffuse renal parenchymal disease (author's transl)] Fiegler W, et al. **ROFO** 1981 Dec;135(6):645–8 (Eng. Abstr.) **(Ger)**

[Neonatal adrenal hemorrhage in the sonogram] Fotter R, et al. **ROFO** 1981 Nov;135(5):619–20 **(Ger)**

[Technical aspects of breast sonography. Experience with an immersion scanner (Octoson) (author's transl)] Friedrich M, et al. **ROFO** 1981 Dec;135(6):704–13 (Eng. Abstr.) **(Ger)**

[Ultrasound controlled puncture of renal cysts: biochemical and radiological findings (author's transl)] Heckemann R, et al. **ROFO** 1982 Jul;137(1):26–30 (Eng. Abstr.) **(Ger)**

[B-scan sonography of the carotid artery. Technique, results and indications (author's transl)] Kuhn FP, et al. **ROFO** 1981 Oct;135(4):407–11 (Eng. Abstr.) **(Ger)**

[B-scan sonography for tumour localisation in hyperparathyroidism (author's transl)] Kuhn FP, et al. **ROFO** 1981 Oct;135(4):412–6 (Eng. Abstr.) **(Ger)**

[Computer tomographic and sonographic demonstration of renal haematomas following percutaneous renal biopsy (author's transl)] Nebel G, et al. **ROFO** 1982 Apr; 136(4):413–6 (Eng. Abstr.) **(Ger)**

[Sonographic findings in the Cruveilhier-von Baumgarten syndrome (author's transl)] Pirschel J. **ROFO** 1982 Jul; 137(1):22–5 (Eng. Abstr.) **(Ger)**

[The transrectal sonography of the carcinoma of the prostate gland (author's transl)] Reindl P. **ROFO** 1982 May; 136(5):499–505 (Eng. Abstr.) **(Ger)**

[Sonographic determination of a tumor associated renal vein thromboses] Schulze K, et al. **ROFO** 1982 Feb;136(2):220–2 **(Ger)**

[Ultrasound investigations of superficial structures during childhood (author's transl)] Schumacher R, et al. **ROFO** 1981 Dec;135(6):635–40 (Eng. Abstr.) **(Ger)**

[Examination of the extracranial carotid artery with a high resolution B scanner. A comparison with carotid angiography (author's transl)] Terwey B, et al. **ROFO** 1981 Nov;135(5):524–32 (Eng. Abstr.) **(Ger)**

[Ultrasonic mammography: its importance in integrated diagnosis of breast diseases (author's transl)] Thiel C, et al. **ROFO** 1982 Jul;137(1):1–12 (Eng. Abstr.) **(Ger)**

[Sonography of the upper abdomen in cystic fibrosis (author's transl)] Tscholakoff D, et al. **ROFO** 1982 Jul;137(1):18–21 (Eng. Abstr.) **(Ger)**

[Parathyroid carcinoma in primary hyperparathyroidism. Attempt at sonographic tumor characterization] Welter G, et al. **ROFO** 1981 Sep;135(3):351–2 **(Ger)**

[Visualisation of a papillary renal adenoma via urogram, sonography, computed tomography and renovasography with puncture (author's transl)] Hollmann J, et al. **Rontgenblatter** 1982 Jun;35(6):245–7 (Eng. Abstr.) **(Ger)**

[Value of ultrasonic testing and sonographic differential diagnosis in mammary cysts] Kleedorfer D, et al. **Rontgenblatter** 1982 Aug;35(8):287–94 (Eng. Abstr.) **(Ger)**

[Significance of ultrasonography and computerized tomography in the diagnosis of peritoneal carcinosis (author's transl)] Lorenz R, et al. **Rontgenblatter** 1982 May; 35(5):187–90 (Eng. Abstr.) **(Ger)**

[Ultrasonic Doppler examination of the peripheral vascular system] Diehm C, et al. **Rontgenpraxis** 1981;34(8):350–3 **(Ger)**

[The kidney pelvis in ultrasonic diagnosis] Fiegler W, et al. **Rontgenpraxis** 1982 Mar;35(3):74–8 **(Ger)**

[Sonography of the abdomen: liver, gallbladder, pancreas] Frommhold H, et al. **Rontgenpraxis** 1981;34(8):324–9 **(Ger)**

[Echographic diagnosis in diseases of the thyroid and parathyroid] Lorenz D, et al. **Rontgenpraxis** 1981; 34(8):315–23 **(Ger)**

[Ultrasonic examination of kidneys in pregnancy] Schmoller H. **Rontgenpraxis** 1982 Mar;35(3):69–73 **(Ger)**

[Abdominal diagnosis in pediatrics from the child radiologic view] Schumacher R, et al. **Rontgenpraxis** 1981 Sep; 34(9):370–81 **(Ger)**

[A high resolution realtime ultrasonic procedure in the examination of the testis and epididymis] Terwey B, et al. **Rontgenpraxis** 1981;34(8):339–42 **(Ger)**

[The examination of abdominal and peripheral blood vessels with image-producing ultrasonic procedures] Terwey B, et al. **Rontgenpraxis** 1981;34(7):300–13 **(Ger)**

[Current sonographic diagnosis of the kidneys and retroperitoneal space] Triller J, et al. **Rontgenpraxis** 1981; 34(7):289–99 **(Ger)**

[Sonographic diagnosis of pelvic diseases] Triller J, et al. **Rontgenpraxis** 1981;34(8):330–8 **(Ger)**

[Minimal requirements in the ultrasonic diagnosis of the abdomen] Triller J. **Rontgenpraxis** 1981;34(11):448–57 **(Ger)**

[A new technic for the sonographic demonstration of small gallstones] Weiss H. **Rontgenpraxis** 1981;34(12):497–8 **(Ger)**

[Sonography of the thorax] Wimmer B, et al. **Rontgenpraxis** 1981;34(7):281–8 **(Ger)**

[The clinical significance of Doppler sonography of the extracranial arteries supplying the brain] Winter R. **Rontgenpraxis** 1981;34(8):343–9 **(Ger)**

[Importance of ultrasonography in the diagnosis of diffuse parenchymal disorders of the liver] Pirovino M, et al. **Schweiz Med Wochenschr** 1982 Apr 12;112(15):525–6 (Eng. Abstr.) **(Ger)**

[The cerebrovascular Doppler ultrasonic examination (CV-Doppler)] Keller HM, et al. **Ther Umsch** 1981 Aug; 38(8):795–808 (Eng. Abstr.) **(Ger)**

[Guidance of transurethral therapy of bladder tumors by an endovesical A-scanner (author's transl)] Pensel J, et al. **Urologe [Ausg A]** 1981 Sep;20 Suppl:315–6 **(Ger)**

[Volume determination of the thyroid gland using sonography and compared to other methods] Igl W. **Verh Dtsch Ges Inn Med** 1981;87:379–82 **(Ger)**

[The place of sonography in the diagnosis of recurrence of malignant gynaecological tumours (author's transl)] Kratochwil A, et al. **Wien Klin Wochenschr** 1981 Mar 20; 93(6):178–83 (Eng. Abstr.) **(Ger)**

[Fetal weight estimation by ultrasound (author's transl)] Kratochwil A, et al. **Wien Klin Wochenschr** 1981 Mar 20; 93(6):183–6 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of acute suppurative appendicitis: a case report (author's transl)] Preusser R. **Wien Klin Wochenschr** 1981 Oct 2;93(18):587–8 (Eng. Abstr.) **(Ger)**

[Accuracy of echoflowscan evaluation of carotid artery in comparison to angiography (author's transl)] Aichner F, et al. **Wien Med Wochenschr** 1982 May 15;132(9):197–200 (Eng. Abstr.) **(Ger)**

[Ultrasound in the diagnosis of obstructive jaundice (author's transl)] Lambropoulos B, et al. **Wien Med Wochenschr** 1982 Feb 15;132(3):55–7 (Eng. Abstr.) **(Ger)**

[Ultrasound diagnosis of ascites] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):415–6 **(Ger)**

[Ultrasound tomography of the liver] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):373–7 **(Ger)**

[Diagnosis of pancreatic diseases with the ultrasonic tomography method] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Mar 15;75(6):285–8 **(Ger)**

[The abdominal aorta in ultrasonic tomography] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):330–2 **(Ger)**

[Ultrasound diagnosis of infiltrative gastrointestinal diseases] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 15; 75(4):176–8 **(Ger)**

[Ultrasonic diagnosis of gallbladder and bile ducts] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 May 15;75(10):465–9 **(Ger)**

[Ultrasound tomography of the kidneys] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 1;75(15):698–701 **(Ger)**

[Ultrasonic tomography in the diagnosis of lymphoreticular diseases] Busse HJ, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 15;75(18):869–70 **(Ger)**

[Venous occlusion plethysmography and ultrasonic Doppler diagnosis for objectively arrived at compression therapy] Grossmann K, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 15; 75(16):748–50 **(Ger)**

[Ultrasonic spectroscopic examinations of pathologically altered testes] Heynemann H, et al. **Z Exp Chir** 1982; 15(2):103–7 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of ultrasonography in gastrointestinal diseases (author's transl)] Braun B. **Z Gastroenterol** 1982 Feb;20(2):53–65 (Eng. Abstr.) **(Ger)**

[Ultrasound measurement of gallbladder response to cholecystokinin in patients with chronic liver disease (author's transl)] Schwerk WB, et al. **Z Gastroenterol** 1981 Nov;19(11):717–24 (Eng. Abstr.) **(Ger)**

[Determination of the ovulation date in women with disturbed cervical factor by means of sonographic measurement of follicular growth, hormonal parameters and basal body temperature] Eibach HW, et al. **Z Geburtshife Perinatol** 1981 Dec;185(6):339–42 (Eng. Abstr.) **(Ger)**

[On the position of the human foetus and the probability of spontaneous change in position during pregnancy (author's transl)] Göttlicher S, et al. **Z Geburtshife Perinatol** 1981 Oct;185(5):288–92 (Eng. Abstr.) **(Ger)**

[Sonographic biometry of the fetus-crown-rump-length in the first half of pregnancy] Schmidt W, et al. **Z Geburtshife Perinatol** 1981 Dec;185(6):327–35 (Eng. Abstr.) **(Ger)**

[Factors having an effect on Doppler-sonographic blood pressure determinations and their clinical significance] Hänsgen K, et al. **Z Gesamte Inn Med** 1981 Oct 1; 36(19):720–4 (Eng. Abstr.) **(Ger)**

[Ultrasonographic antenatal detection of obstructed bladder (author's transl)] Oesch I, et al. **Z Kinderchir** 1982 Mar; 35(3):109–11 (Eng. Abstr.) **(Ger)**

[Pre- and postoperative ultrasonography of portal circulation in portal hypertension in childhood (author's transl)] Terwey B, et al. **Z Kinderchir** 1981 Apr;32(4):337–40 (Eng. Abstr.) **(Ger)**

[Differentiation of functional knee movement in hemophilic patients by means of ultrasonic topometry (author's transl)] Schumpe G, et al. **Z Orthop** 1982 Apr;120(2):115–9 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis: state of the art and future perspectives in orthopedics and traumatology (author's transl)] Stuhler T. **Z Orthop** 1982 May-Jun;120(3):358–63 (Eng. Abstr.) **(Ger)**

[Ultrasonic Doppler methods of blood flow studies of the arterial circulation from the aorta up to the kidney parenchyma in animals] Heynemann H, et al. **Z Urol Nephrol** 1982 Feb;75(2):99–102 (Eng. Abstr.) **(Ger)**

[Ultrasound diagnosis with examples of application in occupational medicine] Mohrmann W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Oct;31(10):398–401 **(Ger)**

[X-ray or sonography? – using mesotheliomas as an example] Wimmer B, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Oct;31(10):392–7 **(Ger)**

[Ultrasound diagnostics in paediatric surgery (author's transl)] Hofmann V. **Zentralbl Chir** 1982;107(3):156–66 **(Ger)**

[Experience from use of ultrasound B-scanning for exploratory examination of pelvis minor (author's transl)] Elling D, et al. **Zentralbl Gynakol** 1981;103(19):1129–41 (26 ref.) **(Ger)**

[Sonographic index for prognosis of early pregnancy (author's transl)] Tapia JE, et al. **Zentralbl Gynakol** 1981; 103(20):1255–9 (Eng. Abstr.) **(Ger)**

[Prenatal ultrasonographic diagnosis of malformations of central nervous system (author's transl)] Watzek H. **Zentralbl Gynakol** 1981;103(23):1435–42 (Eng. Abstr.) **(Ger)**

[The sonographic evaluation of upper abdominal pain] Aufschnaiter M. **ZFA (Stuttgart)** 1981 Sep 30;57(27):1790–1 **(Ger)**

[Ultrasound in the diagnosis of popliteal cyst descending into the calf] Halperin N, et al. **Harefuah** 1981 Jun 15; 100(12):575–6 (Eng. Abstr.) **(Heb)**

[The ultrasound examination of the liver (editorial)] Itschak Y, et al. **Harefuah** 1981 Apr 15;100(8):392–3 **(Heb)**

[Antenatal diagnosis of fetal intestinal obstruction by ultrasonography] Mogilner BM, et al. **Harefuah** 1981 Sep; 101(5–6):117–9 (Eng. Abstr.) **(Heb)**

[Ultrasonic studies in diseases of the salivary glands] Barna S. **Fogorv Sz** 1981 Oct;74(10):289–93 **(Hun)**

[Diagnostic potentials of Doppler ultrasonic examination in chronic obliterative arterial diseases of the lower extremities] Fórizs Z, et al. **Orv Hetil** 1981 Sep 27; 122(39):2411–4 **(Hun)**

[Experience with an ultrasonic blood pressure measuring device in newborn infants] Gagyi D. **Orv Hetil** 1981 Sep 13;122(37):2269–71 **(Hun)**

[Ultrasonic follow-up studies of patients after kidney transplantation] Harkányi Z, et al. **Orv Hetil** 1981 Jul 19; 122(29):1785–8 **(Hun)**

[Echography in pediatric diagnosis] Harkányi Z, et al. **Orv Hetil** 1981 Jun 21;122(25):1529–32 **(Hun)**

[Anencephaly in 2 cases of discordant twin pregnancy discovered by prenatal ultrasonography during the 2d trimester] Intödy Z, et al. **Orv Hetil** 1981 Sep 20; 122(38):2355–7 **(Hun)**

[Sonographic image of partial molar pregnancy] Jakobovits A, et al. **Orv Hetil** 1981 Oct 18;122(42):2607–8 **(Hun)**

[Puncture of a pancreatic pseudocyst under ultrasonic guidance] Mádi SL, et al. **Orv Hetil** 1982 Apr 11; 123(15):921–3 **(Hun)**

[Technological questions about Doppler ultrasonic examinations of venous diseases of the lower extremities] Mohás A, et al. **Orv Hetil** 1981 Dec 6;122(49):3021–5 **(Hun)**

[Results of ultrasonic abdominal screening tests] Rosta A, et al. **Orv Hetil** 1981 Sep 13;122(37):2277–9 **(Hun)**

[Significance of ultrasonic measurement of splenic thickness in abdominal diagnosis] Szebeni A. **Orv Hetil** 1982 Jan 10; 123(2):83–9 **(Hun)**

[Possibilities and limitations of ultrasonic diagnosis in extrauterine pregnancy] Thurzó L, et al. **Orv Hetil** 1981 Sep 6;122(36):2217–21 **(Hun)**

[The value of suprapubic echotomography in prostatic hypertrophy] Micieli G, et al. **Ann Ital Chir** 1981; 53(3):355–62 **(Ita)**

[Echotomographic evaluation of embryo-fetal movements] Vecchietti G, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov-Dec;102(6):398–400 **(Ita)**

[Doppler ultrasonic angiovideography in pathology of the carotid bifurcation] Barabino C, et al. **Arch E Maragliano Patol Clin** 1979;35(2):153–6 **(Ita)**

[Relation between the biparietal diameter ad abdominal diameter as a method of evaluation of the intrauterine state of the fetus] Allocca G, et al. **Arch Ostet Ginecol** 1980 Sep-Oct;85(5):463–73 **(Ita)**

[Fetal biometry by means of ultrasonography in twin pregnancies] Di Meglio A, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):289–95 (Eng. Abstr.) **(Ita)**

[A case of twin pregnancy complicated by a papyraceous fetus, diagnosed by ultrasonography] Di Pietto L, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):281–7 **(Ita)**

[Diagnosis of ectopic pregnancy with ultrasonics] Malato M, et al. **Arch Ostet Ginecol** 1980 May-Jun;85(3):109–17 (Eng. Abstr.) **(Ita)**

[Real-time echographic diagnosis of fetal death] Panariello S, et al. **Arch Ostet Ginecol** 1980 Jul-Aug;85(4):253–7 **(Ita)**

[Prenatal sex determination using real-time echography] Raimondo A, et al. **Arch Ostet Ginecol** 1980 Sep-Oct; 85(5):405–9 **(Ita)**

[Real-time echography in the diagnosis of threatened abortion: diagnostic and prognostic evaluation compared with urinary HCG determination] Raimondo A, et al. **Arch Ostet Ginecol** 1980 Sep-Oct;85(5):411–21 **(Ita)**

[The use of echographic findings in the localization of the aorto-iliac bifurcation for a surgical approach to the lumbo-sacral passage] Bartolozzi C, et al. **Arch Putti Chir Organi Mov** 1981;31:207–10 **(Ita)**

[Correlation between arteriography and determination of pressure gradients with the Doppler method in peripheral obstructive arteriopathies] Magagnini E, et al. **Boll Soc Ital Cardiol** 1980;25(7):769–76 (Eng. Abstr.) **(Ita)**

[Echographic study of the gallbladder] Casalini E. **Chir Ital** 1982 Feb;34(1):91–6 **(Ita)**

[Times of appearance of the arterial plethysmographic wave and the ultrasonogram in the study of arteriopathies] Berni A, et al. **Minerva Cardioangiol** 1981 Jul-Aug;29(7–8):383–6 (Eng. Abstr.) **(Ita)**

[Instrumental diagnosis of deep venous thrombosis. Reliability of phleboscintigraphy and the Doppler method as compared with phlebography] Poti R, et al. **Minerva Cardioangiol** 1981 Nov;29(11):619–22 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of echotomography and HIDA in the diagnosis of obstructive jaundice] Abate S, et al. **Minerva Chir** 1982 Mar 15;37(5):409–14 **(Ita)**

[Determination of the systolic arterial pressure in the lower extremities with the Doppler method in the choice of the level of amputation] Belardi P, et al. **Minerva Chir** 1981 Sep 15;36(17):1093–9 **(Ita)**

[A case of voluminous gastric fibroleiomyoma. Diagnostic problems] Bettoschi U, et al. **Minerva Chir** 1981 Oct 15; 36(19):1253–8 (Eng. Abstr.) **(Ita)**

[Use of Echoflow in the evaluation of peripheral aneurysms and arterial diseases. First clinical results] Settembrini PG, et al. **Minerva Chir** 1982 Jan 15-31;37(1-2):47–54 (Eng. Abstr.) **(Ita)**

[Ultrasonic aspects of the placenta in intrauterine growth retardation] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1124 **(Ita)**

[Relation between abnormal cardiotocographic patterns and fetal death] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1125–30 **(Ita)**

[Ultrasonic study of pathological pregnancies in the first trimester] Di Lieto A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1134–9 **(Ita)**

[Ultrasonic detection of fetuses large for gestational age and subsequent surveillance in utero] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1101–4 **(Ita)**

[Ultrasonic detection of fetuses small for gestational age and subsequent surveillance in utero] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1105–8 **(Ita)**

[Increase of fetal biparietal and abdominal transverse diameters in normal pregnancy] Di Meglio A, et al. **Minerva Ginecol** 1980 Dec;32(12):1095–100 **(Ita)**

[A case of megalocystis and megaloureter diagnosed during gestation by means of ultrasonography] Di Meglio A, et al. **Minerva Ginecol** 1981 Oct;33(10):973–6 (Eng. Abstr.) **(Ita)**

[Fetal movements and ultrasonics] Mattone PG, et al. **Minerva Ginecol** 1982 Apr;34(4):255–8 **(Ita)**

[Aspects and clinical significance of fetal breathing movements] Paladini A, et al. **Minerva Ginecol** 1980 Dec; 32(12):1120–3 **(Ita)**

[Echographic examinations in 246 cases of voluntary interruption of pregnancy] Rattazzi P, et al.

Minerva Ginecol 1981 Dec;33(12):1173–8 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography in the diagnosis of diseases of the supra-aortic trunks] Bertoglio C, et al. **Minerva Med** 1982 Jun 8;73(24):1687–94 (Eng. Abstr.) **(Ita)**

[Diagnostic value of echography in the study of thyroid nodules. Ultrasonographic and histological findings on 103 'cold' nodules] Cimitan M, et al. **Minerva Med** 1982 Jun 30;73(27):1885–9 (Eng. Abstr.) **(Ita)**

[The role of penile Doppler sonography in impotent diabetics] Giordanengo F, et al. **Minerva Med** 1981 Dec 8;72(49):3341–4 (Eng. Abstr.) **(Ita)**

[Echography and percutaneous fine needle biopsy] Livraghi T, et al. **Minerva Med** 1982 Feb 25;73(7):295–300 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonic arteriography with colorimetric morpho-function analysis of frequency (Echoflow). Preliminary trials] Oliva L, et al. **Minerva Med** 1981 Sep 29;72(37):2465–71 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of cholecystography, cholangiography, echotomography and cholescintigraphy in surgical disorders of the bile ducts] Sgro M, et al. **Minerva Med** 1982 Jan 28;73(3–4):109–14 (Eng. Abstr.) **(Ita)**

[Echography in the diagnosis of perirenal and pararenal masses] Amici F, et al. **Minerva Urol** 1981 Oct–Dec; 33(4):267–70 (Eng. Abstr.) **(Ita)**

[Use of the Doppler flowmeter in the diagnosis of varicocele] Stio F, et al. **Minerva Urol** 1982 Jan–Mar;34(1):35–7 (Eng. Abstr.) **(Ita)**

[Value of ultrasound study in neonatal adrenal hemorrhage (author's transl)] Liessi G, et al. **Pediatr Med Chir** 1981 Sep–Oct;3(5):387–90 **(Ita)**

[Closed abdominal injuries: the diagnostic reliability of ultrasonics] Amici F, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):5–10 (Eng. Abstr.) **(Ita)**

[Role of echography in the study of abdominal localizations of lymphomas] Bartolozzi C, et al. **Radiol Med (Torino)** 1982 Jun;68(6):463–7 **(Ita)**

[Echotomographic study of the liver and bile ducts] Boltro E, et al. **Radiol Med (Torino)** 1981 Sep;67(9):661 **(Ita)**

[Echotomographic study of the pancreas] Boltro E, et al. **Radiol Med (Torino)** 1981 Sep;67(9):662 **(Ita)**

[Case of Caroli's disease diagnosed with a non-invasive method] Bonati P, et al. **Radiol Med (Torino)** 1981 Sep; 67(9):662–4 **(Ita)**

[The role of echotomography in the monitoring of the transplanted kidney] Dalla Palma L, et al. **Radiol Med (Torino)** 1982 May;68(5):337–42 **(Ita)**

[Ultrasonographic evaluation of jaundiced patients: accuracy in 246 controlled cases (author's transl)] Dalla Palma L, et al. **Radiol Med (Torino)** 1981 Sep;67(9):615–22 (Eng. Abstr.) **(Ita)**

[The association of lymph nodes scintigraphy with 99Tcm-sulfur-microcolloid and ultrasounds scan in stage diagnosis of lymphomas (author's transl)] Giubbini R, et al. **Radiol Med (Torino)** 1981 Nov;67(11):823–7 (Eng. Abstr.) **(Ita)**

[Fine needle biopsy with ultrasound guidance: 263 cases (author's transl)] Livraghi T, et al. **Radiol Med (Torino)** 1981 Oct;67(10):701–7 (Eng. Abstr.) **(Ita)**

[Echography inthe study of the gallbladder wall] Maresca G, et al. **Radiol Med (Torino)** 1982 Apr;68(4):253–60 (Eng. Abstr.) **(Ita)**

[Angiographic and echotomographic comparative evaluation of abdominal aortic aneurysm in 15 operated patients] Parisi L, et al. **Radiol Med (Torino)** 1981 Dec;67(12):939–48 (Eng. Abstr.) **(Ita)**

[Echo-angiographic correlations on hepatic hydatid cysts (author's transl)] Roversi R, et al. **Radiol Med (Torino)** 1981 Nov;67(11):815–22 **(Ita)**

[Renal angiomyolipoma: is there a typical echographic aspect?] Volterrani L, et al. **Radiol Med (Torino)** 1982; 68(3):123–5 **(Ita)**

[Ultrasonics in the study of hemorrhagic necrosis of the adrenal gland] Ziviello M, et al. **Radiol Med (Torino)** 1982 Jun;68(6):485–8 **(Ita)**

[The echotomographic study of renal transplants] Zompatori M, et al. **Radiol Med (Torino)** 1982;68(3):113–20 (Eng. Abstr.) **(Ita)**

[Can the Doppler method indicate the usefulness of vasodilator therapy?] Bartolo M, et al. **Recenti Prog Med** 1981 Aug;71(2):175–84 (Eng. Abstr.) **(Ita)**

[Reliability and role of ultrasonic examination in the diagnosis of biliary pathology] Savarino V, et al. **Recenti Prog Med** 1981 Oct;71(4):437–45 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography in the exploration of cerebral circulation] Garello L, et al. **Riv Neurobiol** 1981 Jan–Mar; 27(1):151–7 **(Ita)**

[Fetal growth assessment by the real-time ultrasono-tomography (author's transl)] Asada M. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):996–1004 (Eng. Abstr.) **(Jpn)**

[Automatic volumetry system of gallbladder using ultrasonic tomography (author's transl)] Kobatake H, et al. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):339–42 (Eng. Abstr.) **(Jpn)**

[Development of synchronous bi-sectional ultrasonic cardiac tomography] Senda S. **Iyodenshi To Seitai Kogaku** 1981 Sep;19(5):385–6 **(Jpn)**

[Non-invasive quantitative evaluation of aortic regurgitation by ultrasonic pulsed Doppler flowmeter (author's transl)] Nakayama N, et al. **J Cardiogr** 1981 Jun;11(2):383–90 (Eng. Abstr.) **(Jpn)**

[Evaluation of tricuspid regurgitation by the ultrasonic pulsed Doppler technique from a transcutaneous approach (author's transl)] Okamoto M, et al. **J Cardiogr** 1981 Sep; 11(3):727–40 (Eng. Abstr.) **(Jpn)**

[A B-scan ultrasonographic finding in the ciliary body regions in eyes with ocular contusion (author's transl)] Iijima Y, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(2):211–6 (Eng. Abstr.) **(Jpn)**

[Image treatment in the eye in a ultrasound diagnosis and clinical significance. VII. New microcomputer-aided imaging techniques with distance measurement (author's transl)] Yamamoto Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1009–19 (Eng. Abstr.) **(Jpn)**

[Double contrast cystography using universal gyroscopic x-ray TV apparatus, and transurethral ultrasonography (author's transl)] Mikata N, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):308–15 (Eng. Abstr.) **(Jpn)**

[Development of transurethral ultrasonography and clinical application to the bladder (author's transl)] Nakamura S. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):511–29 (Eng. Abstr.) **(Jpn)**

[Holographic stereosynthesis of the ultrasonographic images (author's transl)] Mizutani M, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Mar 25; 42(3):303–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonic evaluation of the pancreatic mass lesions (author's transl)] Mori H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25; 41(11):1025–38 (Eng. Abstr.) **(Jpn)**

[Evaluation of arterial embolization therapy for hepatocellular carcinoma by ultrasonography (author's transl)] Ohishi H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1982 Jan 25; 42(1):8–15 (Eng. Abstr.) **(Jpn)**

[Respiratory effect on ultrasonography of the pancreas—why the pancreas can be clearly delineated during inspiration? (author's transl)] Sakazaki T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(9):827–32 (Eng. Abstr.) **(Jpn)**

[Clinical preference of combined study with ultrasonography and renoscintiphotography in the diagnosis of fluid collection following renal transplantation (author's transl)] Fujino A, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan; 23(1):63–73 **(Jpn)**

[Ultrasonographic approach to studies on pulmonary circulatory dynamics (author's transl)] Tamaki S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Jan;20(1):46–53 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of neoplasms of liver, biliary tract and pancreas] Kitamura T. **Nippon Rinsho** 1982;40(1):71–8 **(Jpn)**

[Management of inoperable pancreatic neoplasms with regional infusion of antineoplastic agents under ultrasonic visualization] Odaka M, et al. **Nippon Rinsho** 1982; 40(1):191–7 **(Jpn)**

[Echo guided aspiration needle biopsy (author's transl)] Tomita S, et al. **Nippon Rinsho** 1982;40(1):117–23 **(Jpn)**

[Ultrasonic percutaneous imaging of neoplasms of liver, biliary tract and pancreas] Tsuchiya Y, et al. **Nippon Rinsho** 1982;40(1):102–8 **(Jpn)**

[The diagnostic value of ultrasonotomography with reference to previous cesarean section scars during full term pregnancy (author's transl)] Araki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):738–44 (Eng. Abstr.) **(Jpn)**

[Study on echo pattern of endometrial cancer (author's transl)] Obata A. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec;33(12):2033–40 (Eng. Abstr.) **(Jpn)**

[A preliminary report of computerized ultrasonography in obstetrics and gynecology: a new technique of C-mode (author's transl)] Tanaka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):101–8 (Eng. Abstr.) **(Jpn)**

[Significance in ultrasonographic measurement of fetal limb bones (author's transl)] Tsuzaki T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):315–20 (Eng. Abstr.) **(Jpn)**

[Fetal mechanocardiogram studied by systolic time intervals in ultrasonic doppler fetal heart valve signals using new multistylus recorder system (author's transl)] Yoneda T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1209–18 (Eng. Abstr.) **(Jpn)**

[New techniques for percutaneous transhepatic bile drainage: one under fluoroscopic control and the other with real-time ultrasonic guidance. Procedures and therapeutic effects (author's transl)] Ebara M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1443–51 (Eng. Abstr.) **(Jpn)**

[Ultrasonography of the pancreas compared with pathological findings (author's transl)] Kimoto E, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Feb;79(2):266–75 (Eng. Abstr.) **(Jpn)**

[Progression to gangrenous cholecystitis as diagnosed by serial ultrasonography: a case report (author's transl)] Lim I, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Apr; 78(4):947 **(Jpn)**

[A case of Budd-Chiari syndrome diagnosed by ultrasonography (author's transl)] Nishizuka Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 May;78(5):1117–20 **(Jpn)**

[Ultrasonic diagnosis of obstructive changes of the biliary tract associated with jaundice by linear electronic real-time scanner (author's transl)] Saotome N, et al. **Nippon Shokakibyo Gakkai Zasshi** 1982 Mar;79(3):827–35 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic diagnosis of breast diseases (author's transl)] Abe R, et al. **Rinsho Byori** 1981;29(10):985–91 **(Jpn)**

[Abdominal ultrasound (author's transl)] Fukuda M. **Rinsho Byori** 1981;29(10):1000–7 **(Jpn)**

[Progress and problems of diagnostic ultrasound in urology (author's transl)] Harada K. **Rinsho Byori** 1981; 29(10):1014–20 **(Jpn)**

[Ultrasonic examination of the thyroid gland (author's transl)] Okuaki K, et al. **Rinsho Byori** 1981;29(10):980–4 **(Jpn)**

[Present status of the practical application of ultrasonics to the clinical examination (author's transl)] Okuyama D. **Rinsho Byori** 1981;29(10):962–70 **(Jpn)**

[Progress and problems in ultrasonic diagnosis in obstetrics (author's transl)] Sato A, et al. **Rinsho Byori** 1981; 29(10):1008–13 **(Jpn)**

[Clinical significance of ultrasonography in diagnosis of pediatric diseases (author's transl)] Imanaka K, et al. **Rinsho Hoshasen** 1981 Oct;26(10):1041–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonography of the intrascrotal diseases (author's transl)] Kodera K, et al. **Rinsho Hoshasen** 1982 Jan;27(1):85–9 (Eng. Abstr.) **(Jpn)**

[Ultrasonically guided percutaneous pancreatography (author's transl)] Ryu M, et al. **Rinsho Hoshasen** 1981 Oct; 26(10):1075–9 (Eng. Abstr.) **(Jpn)**

[Ultrasonography of the gastrointestinal tube (author's transl)] Wagai K, et al. **Rinsho Hoshasen** 1981 Jun; 26(6):649–54 (Eng. Abstr.) **(Jpn)**

[Ultrasound in the diagnosis of diffuse liver disease (author's transl)] Yajima Y, et al. **Rinsho Hoshasen** 1982 May; 27(5):553–7 (Eng. Abstr.) **(Jpn)**

[Ultrasonic application and its usefulness in ultrasonographic diagnosis, ultrasonically guided needle biopsy and ultrasonic angiography of chest diseases (except breast and heart diseases) (author's transl)] Yoshida Y, et al. **Rinsho Hoshasen** 1982 Feb;27(2):223–32 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of tumor thrombosis of the portal vein and inferior vena cava (author's transl)] Yoshida Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):335–42 (Eng. Abstr.) **(Jpn)**

[Detection of hydatiform mole by ultrasound (author's transl)] Kalamaras E, et al. **God Zb Med Fak Skopje** 1979 Jan;25:319–23 (Eng. Abstr.) **(Mac)**

[Ultrasound cephalometry in twin pregnancy (author's transl)] Kalamaras E, et al. **God Zb Med Fak Skopje** 1979 Jan;25:367–71 (Eng. Abstr.) **(Mac)**

[Ultrasonically guided puncture] Larssen T, et al. **Tidsskr Nor Laegeforen** 1982 Jan 10;102(1):31–3 (Eng. Abstr.) **(Nor)**

[Ultrasound diagnosis of choledochal cysts] Nordshus T, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1643–4 (Eng. Abstr.) **(Nor)**

[Rapid ultrasonic diagnosis in acute abdominal diseases] Odegaard S. **Tidsskr Nor Laegeforen** 1981 Nov 20; 101(32):1831–4 (Eng. Abstr.) **(Nor)**

[Ultrasonic screening in pregnancy (letter)] Smedsrud B. **Tidsskr Nor Laegeforen** 1981 Sep 20;101(26):1478 **(Nor)**

[Testicular torsion and ultrasonic diagnosis (letter)] Tangesdal JG. **Tidsskr Nor Laegeforen** 1981 Aug 30; 101(24):1349 **(Nor)**

[Complications of the 1st trimester of pregnancy – ultrasonic diagnosis] Groniowski J, et al. **Ginekol Pol** 1981 Jan; 52(1):9–14 (Eng. Abstr.) **(Pol)**

[Ultrasonography in the diagnosis of polycystic ovary syndrome] Malinowski JE, et al. **Ginekol Pol** 1981 Nov–Dec;52(11–12):1035–41 (Eng. Abstr.) **(Pol)**

[Ultrasonographic diagnosis of pregnancy. I. Pathology of the first and second trimesters of pregnancy] Pisarski T, et al. **Ginekol Pol** 1981 Oct;52(10):885–91 (Eng. Abstr.) **(Pol)**

[Ultrasonographic diagnosis of pregnancy. I. Diagnosis of early pregnancy] Spaczyński M, et al. **Ginekol Pol** 1981 Jul;52(7):591–6 (Eng. Abstr.) **(Pol)**

[Ultrasonic studies in the diagnosis of adrenal chromaffinomas] Jakubowski W, et al. **Kardiol Pol** 1981; 24(11–12):781–7 (Eng. Abstr.) **(Pol)**

[Ultrasonic diagnosis of retinoblastoma (author's transl)] Krzywicki S, et al. **Klin Oczna** 1981 Apr–May; 83(4–5):249–51 (Eng. Abstr.) **(Pol)**

[Venous Doppler ultrasonography in early diagnosis of lower limb thrombophlebitis in stroke] Gralewski Z, et al. **Neurol Neurochir Pol** 1981 May–Jun;15(3):259–64 (Eng. Abstr.) **(Pol)**

[Doppler ultrasonography of the common carotid artery in persons of different age] Gralewski Z. **Neurol Neurochir Pol** 1981 May–Jun;15(3):253–8 (Eng. Abstr.) **(Pol)**

[Ultrasonics in the diagnosis of lung diseases] Grymiński J. **Pneumonol Pol** 1981 Feb;49(2):121–32 (Eng. Abstr.) **(Pol)**

[Value of ultrasonography in the diagnosis of gallbladder

calculi (author's transl)] Zabielski G, et al. **Pol Przegl Radiol** 1981 Nov-Dec;45(6):331-4 (Eng. Abstr.) **(Pol)**

[Ultrasonography in abdominal diseases] Kalina Z, et al. **Pol Tyg Lek** 1980 Dec 29;35(52):2037-41 (Eng. Abstr.) **(Pol)**

[Giant ovarian cyst diagnosed by means of ultrasonography] Juszczyk Z, et al. **Wiad Lek** 1982 Apr 15;35(2):165-8 **(Pol)**

[Pancreatic cyst diagnosed by means of ultrasonography] Juszczyk Z, et al. **Wiad Lek** 1982 Jan 1;35(1):47-50 **(Pol)**

[Coexistence of liver cysts and renal cystic disease in ultrasonography] Zięcik S, et al. **Wiad Lek** 1982 Apr 15; 35(2):155-8 (Eng. Abstr.) **(Pol)**

[Ultrasonography in the diagnosis of cholestasis] Ribeiro JM. **Acta Med Port** 1981 Jul;Suppl 3:33-9 **(Por)**

[Initial perspectives in the subclinical diagnosis of ovarian tumors by bidemensional echography] Pinotti JA, et al. **AMB** 1981 Nov;27(11):313-4 (Eng. Abstr.) **(Por)**

[Experience with the use of echography in diseases of the bile ducts and pancreas] Fagundes JJ, et al. **Rev Paul Med** 1981 Apr-Jun;97(4-6):46-9 (Eng. Abstr.) **(Por)**

[Use of scintigraphy and ultrasonography in thyroid diseases] Serson D, et al. **Rev Paul Med** 1981 Jul-Sep;97(7-9):121-4 (Eng. Abstr.) **(Por)**

[Intraocular foreign bodies. Value of ultrasonic examinations to supplement radiological methods] Fodor F, et al. **Rev Chir [Oftalmol]** 1980 Jul-Sep;24(3):165-8 (Eng. Abstr.) **(Rum)**

[Ultrasonic diagnosis of subinvolution of the uterus after labor] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1982 May; (5):24-7 **(Rus)**

[Ultrasonic biometry in the 1st trimester of pregnancy] Demidov VN, et al. **Akush Ginekol (Mosk)** 1981 May; (5):27-30 (Eng. Abstr.) **(Rus)**

[Ultrasonic placentography] Demidov VN. **Akush Ginekol (Mosk)** 1981 Nov;(11):55-7 **(Rus)**

[Ultrasonic determination of the blood flow rate in the common carotid artery in the diagnosis of disorders of cerebral circulation in newborn infants] Iakubova ZN, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):17-8 (Eng. Abstr.) **(Rus)**

[Biparietal-parietococcygeal ratio as a reference parameter during ultrasonic fetal monitoring in the 1st half of pregnancy] Kodai I, et al. **Akush Ginekol (Mosk)** 1982 May; (5):52-3 **(Rus)**

[Clinical value of ultrasonic determination of the fronto-occipital and biparietal diameters of fetal head] Krasin BA, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):15-6 (Eng. Abstr.) **(Rus)**

[Use of laparoscopy and echography in the diagnosis of gynecologic diseases] Selezneva ND, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):44-7 (Eng. Abstr.) **(Rus)**

[Determination of the state of the uterine cicatrix by ultrasound] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):45-7 **(Rus)**

[Importance of echography in assessing the nature of the development of the pregnancy in threatened abortion] Stygar AM. **Akush Ginekol (Mosk)** 1981 May;(5):16-8 (Eng. Abstr.) **(Rus)**

[Ultrasonic measurement of portal blood flow in rats under conditions of contact biomicroscopy] Kovalenko NIa, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):66-8 **(Rus)**

[Capacity for auditory time interval assessment determined using megahertz-range ultrasound] Gershuni GV, et al. **Dokl Akad Nauk SSSR** 1981;260(5):1275-7 **(Rus)**

[Ultrasonic diagnosis of surgical diseases of the liver, biliary tracts and pancreas] Babichev SI, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):70-5 (Eng. Abstr.) **(Rus)**

[Unidimensional echography in acute cholecystitis] Medvedev VE, et al. **Klin Khir** 1981 Sep;(9):38-40 (Eng. Abstr.) **(Rus)**

[Method of preparing patients for pancreatic echography] Medvedev VE, et al. **Klin Khir** 1981 Nov;(11):42-3 **(Rus)**

[Ultrasonic diagnosis of kidney cysts] Demidov VN, et al. **Klin Med (Mosk)** 1981;59(7):68-70 **(Rus)**

[Ultrasonic diagnosis of gallbladder and biliary tract diseases] Demidov VN, et al. **Klin Med (Mosk)** 1982 Feb;60(2):59-64 **(Rus)**

[Use of thermography and ultrasound dopplerography for evaluating efficacy of complamin in the treatment of patients with disorders of cerebral circulation] Kozlova EN, et al. **Klin Med (Mosk)** 1981 Sep;59(9):38-42 (Eng. Abstr.) **(Rus)**

[One-dimensional ultrasonic echography in the diagnosis of pancreatic cysts] Shalimov SA, et al. **Klin Med (Mosk)** 1980 Jul;58(7):79-82 (Eng. Abstr.) **(Rus)**

[Ultrasonic liver study in echinococcosis] Tumol'skaia NI, et al. **Klin Med (Mosk)** 1982 Apr;60(4):58-62 (Eng. Abstr.) **(Rus)**

[Diagnostic value of changes in the ultrasonic resistance of erythrocytes in cardiac insufficiency] Shepotinovskil VI, et al. **Lab Delo** 1982;(3):60-1 **(Rus)**

[Use of ultrasonic dopplerography in ophthalmology] Ivashina AI, et al. **Oftalmol Zh** 1981;36(7):411-5 (Eng. Abstr.) **(Rus)**

[Ultrasonic kidney scanning in diabetes mellitus in children] Abdyldaev BI, et al. **Pediatriia** 1982 May;(5):37-9 **(Rus)**

[Diagnostic potentials of the ultrasonic method of study of the pancreas in children] Dvoriakovskii IV, et al. **Pediatriia** 1981 May;(5):13-6 (Eng. Abstr.) **(Rus)**

[Ultrasonic linear scanning of the liver and gallbladder in healthy children] Pisarev AG. **Pediatriia** 1982 May;(5):24-6 **(Rus)**

[Ultrasonic echotomography of the liver in pulmonary tuberculosis and other diseases] Koriakin VA, et al. **Probl Tuberk** 1981 Jun;(6):36-9 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of spherical formations in the lungs] Koriakin VA, et al. **Probl Tuberk** 1982;(1):23-5 (Eng. Abstr.) **(Rus)**

[Ultrasonic scanning in renal tuberculosis] Pytel' IuA, et al. **Probl Tuberk** 1981 Jun;(6):39-43 (Eng. Abstr.) **(Rus)**

[Ultrasonic scanning in kidney polycystosis] Pytel' IuA, et al. **Sov Med** 1981;(9):56-8 (Eng. Abstr.) **(Rus)**

[Echography in the diagnosis of genital endometriosis] Zykin BI. **Sov Med** 1981;(11):51-4 (Eng. Abstr.) **(Rus)**

[Topical diagnosis of chronic pancreatitis] Abulov MKh, et al. **Ter Arkh** 1981;53(10):108-11 (Eng. Abstr.) **(Rus)**

[Role of ultrasonics in the diagnosis of voluminous growths in the pancreas] Demidov VN. **Ter Arkh** 1982;54(2):49-51 (Eng. Abstr.) **(Rus)**

[Role of ultrasound in diagnosis of hepatopancreatoduodenal diseases] Minushkin ON, et al. **Ter Arkh** 1981;53(10):101-5 **(Rus)**

[Differential diagnosis of mechanical and intrahepatic jaundice using an ultrasonic gray scale imaging] Shatikhin AI, et al. **Ter Arkh** 1982;54(3):109-12 (Eng. Abstr.) **(Rus)**

[Ultrasonic scanning potentials in the differential diagnosis of urate stones and papillary kidney tumors] Pytel' IuA, et al. **Urol Nefrol (Mosk)** 1981 Nov-Dec;(6):8-12 (Eng. Abstr.) **(Rus)**

[Echotomography of extraorganic retroperitoneal neoplasms] Udzhmadzhuridze NS. **Urol Nefrol (Mosk)** 1981 Nov-Dec; (6):15-8 (Eng. Abstr.) **(Rus)**

[Echodensitometry of organ structures in ultrasound scanning] Dmitrienkov BN, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):59-62 (Eng. Abstr.) **(Rus)**

[Ultrasonic diagnosis of chest injuries] Tsurupa DI, et al. **Vestn Khir** 1982 Mar;128(3):99-103 (Eng. Abstr.) **(Rus)**

[Complex ultrasonic diagnosis of traumatic retinal detachment] Fridman FE, et al. **Vestn Oftalmol** 1981 Jul-Aug;(4):17-21 (Eng. Abstr.) **(Rus)**

[Acoustic scanning in tumors of the eye and orbit] Fridman FE, et al. **Vestn Oftalmol** 1982 Mar-Apr;(2):43-6 (Eng. Abstr.) **(Rus)**

[Ultrasonic flowmeter studies at hemodynamics in the ophthalmic artery basin] Fridman FE, et al. **Vestn Oftalmol** 1982 Jan-Feb;(1):50-2 (Eng. Abstr.) **(Rus)**

[Ultrasonic dopplerography in the diagnosis of vascular eye diseases] Krasnov MM, et al. **Vestn Oftalmol** 1981 Nov-Dec;(6):26-7 (Eng. Abstr.) **(Rus)**

[Echobiometric studies in cataract] Shirshikov IuK. **Vestn Oftalmol** 1982 May-Jun;(3):17-21 (Eng. Abstr.) **(Rus)**

[Potentials of ultrasonic methods in assessing the state of the arterial and venous blood flow in different forms of glaucoma] Shmyreva VF, et al. **Vestn Oftalmol** 1981 Nov-Dec;(6):49-53 (Eng. Abstr.) **(Rus)**

[Use of echoseriography for determining the location of foreign bodies in the eye and orbit] Zhuravlev SV. **Vestn Oftalmol** 1981 Nov-Dec;(6):60-2 (Eng. Abstr.) **(Rus)**

[Potentials of combined echographic and x-ray study of the gallbladder in children] Artamonov IuA, et al. **Vestn Rentgenol Radiol** 1981 Jul-Aug;(4):56-9 (Eng. Abstr.) **(Rus)**

[Use of ultrasound in diagnosing chronic cholecystitis] Medvedev VE, et al. **Vrach Delo** 1981 Dec;(12):26-8 (Eng. Abstr.) **(Rus)**

[Echohepatographic data on chronic HBs-antigen carriers] Postovit NV. **Vrach Delo** 1982 Apr;(4):109-11 (Eng. Abstr.) **(Rus)**

[Feasibility of ultrasonic procedures in the diagnosis of brain death (clinico-experimental study)] Karlov VA, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1074-9 (Eng. Abstr.) **(Rus)**

[Technic of ultrasonic dopplerography in the diagnosis of occlusive lesions of the arteries of the base of the brain (doppleroangiographic study)] Nikitin IuM. **Zh Nevropatol Psikhiatr** 1982;82(1):36-9 (Eng. Abstr.) **(Rus)**

[Use of ultrasound in the diagnosis of abdominal diseases] Perišić V, et al. **Srp Arh Celok Lek** 1981 May-Jun; 109(5-6):783-94 **(Scc)**

[Ultrasonic diagnosis of extra-articular rheumatism] Krampač I, et al. **Reumatizam** 1981;28(5):149-53 (Eng. Abstr.) **(Scr)**

[Ultrasound diagnosis of cholecystolithiasis (author's transl)] Murin J, et al. **Bratisl Lek Listy** 1982 Mar;77(3):333-8 (Eng. Abstr.) **(Slo)**

[The value of ultrasonography in the study of the cholestatic syndrome] Sureda DG. **Acta Med Port** 1981 Jul;Suppl 3:27-32 **(Spa)**

[Role of ultrasound in the evaluation of prostatic disease: review of the literature] Espuela Orgaz R, et al. **Actas Urol Esp** 1982 May-Jun;6(3):133-42 **(Spa)**

[Ultrasound in the diagnosis of the infertile male. II. Echography of the prostate] Jiménez Cruz JF, et al. **Actas Urol Esp** 1981 May-Jun;5(3):189-92 (Eng. Abstr.) **(Spa)**

[Puncture and aspiration of renal cysts under ultrasonic monitoring] Mayayo T, et al. **Actas Urol Esp** 1981 Nov-Dec;5(6):343-8 **(Spa)**

[Bladder ultrasonography. 1: Study of non-tumor pathology] Mayayo Dehesa T, et al. **Actas Urol Esp** 1981 May-Jun; 5(3):169-74 (Eng. Abstr.) **(Spa)**

[Ultrasonographic study of the normal and pathological prostate] Mayayo Dehesa T, et al. **Actas Urol Esp** 1981 Jul-Aug;5(4):227-32 (Eng. Abstr.) **(Spa)**

[Diagnostic ultrasonics in urology: considerations after 10 years] Silmi Moyano A, et al. **Actas Urol Esp** 1981 Nov-Dec;5(6):335-8 **(Spa)**

[Doppler examination complementing the clinical examination in locating incompetent perforating veins of the leg] Armenio S, et al. **Angiologia** 1982 Jul-Aug; 34(4):194-206 **(Spa)**

[Echosonographic diagnosis of tumors in gynecology] Shor Pinsker V, et al. **Ginecol Obstet Mex** 1981 Feb; 49(292):123-38 (Eng. Abstr.) **(Spa)**

[Diagnostic value of abdominal ultrasonography in fever of unknown origin. (author's transl)] Gaspar G, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):153-7 (Eng. Abstr.) **(Spa)**

[Diagnostic value of Doppler ultrasound in male infertility] Ramos Bovero M, et al. **Med Clin (Barc)** 1982 Apr 16; 78(8):326-8 (Eng. Abstr.) **(Spa)**

[Amniocentesis directed by ultrasonics using transducer-biopsy] Cabo A, et al. **Rev Chil Obstet Ginecol** 1980;45(1):23-4 **(Spa)**

[Uterine involution during the immediate puerperium; favored by gray-scale echography] Cabo A, et al. **Rev Chil Obstet Ginecol** 1980;45(1):18-22 **(Spa)**

[Echographic prenatal diagnosis of sacrococcygeal teratoma] Cádiz H, et al. **Rev Chil Obstet Ginecol** 1980;45(4):222-4 (Eng. Abstr.) **(Spa)**

[Fetal cephalometry by ultrasonics] Gómez C, et al. **Rev Chil Obstet Ginecol** 1979;44(3):109-15 (Eng. Abstr.) **(Spa)**

[Correlation of echographic maturity of the placenta and clements test in fetal high risk] Klein F, et al. **Rev Chil Obstet Ginecol** 1980;45(3):117-21 (Eng. Abstr.) **(Spa)**

[Experience in echography in the early differential diagnosis of tubal pregnancy] Leal G, et al. **Rev Chil Obstet Ginecol** 1979;44(4):146-56 (Eng. Abstr.) **(Spa)**

[Ultrasonic fetometry in multiple pregnancy] Rodriguez N, et al. **Rev Chil Obstet Ginecol** 1979;44(5):195-201 (Eng. Abstr.) **(Spa)**

[Diagnosis of gynecologic tumors by echography] Ruiz M, et al. **Rev Chil Obstet Ginecol** 1980;45(4):203-8 (Eng. Abstr.) **(Spa)**

[Gestational age and real-time echography. I. Analysis of crown-rump length and parietal diameter in the first 2 trimesters of pregnancy] Schnapp C, et al. **Rev Chil Obstet Ginecol** 1979;44(5):226-32 (Eng. Abstr.) **(Spa)**

[Prenatal echographic diagnosis of congenital urologic malformations and its prognosis value in the newborn infant] Vaccaro Cerva H, et al. **Rev Chil Obstet Ginecol** 1981;46(2):63-71 (Eng. Abstr.) **(Spa)**

[Prenatal diagnosis of fetal malformations by maternal echography] Blanco A, et al. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):347-52 (Eng. Abstr.) **(Spa)**

[Prenatal diagnosis of fetal malformations using maternal echography] Blanco A, et al. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):347-52 (Eng. Abstr.) **(Spa)**

[Primary lymphoma of the spleen: echographic diagnosis] Fernández-Martínez A, et al. **Rev Clin Esp** 1981 Aug 15-31;162(3-4):165-7 **(Spa)**

[Ultrasonic cholecystography in the study of biliary lithiasis: diagnostic criteria and reliability] Segura Cabral JM, et al. **Rev Clin Esp** 1981 Oct 31;163(2):99-103 (Eng. Abstr.) **(Spa)**

[Echographic evaluation of abdominal masses of gastrointestinal origin] Sales Ferrer R, et al. **Rev Esp Enferm Apar Dig** 1981 May;59(5):589-96 (Eng. Abstr.) **(Spa)**

[Acute emphysematous cholecystitis: apropos of 2 cases studied echographically] Sales Ferrer R, et al. **Rev Esp Enferm Apar Dig** 1981 Nov;60(5):491-6 (Eng. Abstr.) **(Spa)**

[Real-time ultrasonic cholecystography] Varas Lorenzo MJ. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):373-8 (Eng. Abstr.) **(Spa)**

[Non-invasive angiological evaluation in diabetic patients] Brown M, et al. **Rev Med Panama** 1982 May;7(2):97-104 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Dynamic ultrasound scans: a visual system for identification. Holm HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(6):677-9

Position referencing of real-time sonographic sector scans using split-screen video. Bolser GM, et al. **AJR** 1982 Feb; 138(2):366-8

Sonographic transducer performance cannot be evaluated

with clinical images. Jaffe CC, et al. **AJR** 1981 Dec; 137(6):1239–43

Positioning the ultrasonic Doppler flow detector probe in small children [letter] Chinyanga HM. **Anesth Analg (Cleve)** 1982 Jan;61(1):69

Ultrasonic root planing. Pearlman BA. **Aust Dent J** 1982 Apr; 27(2):109–16

Doppler ultrasound measurements of human fetal aortic blood flow. Eldridge MW. **Biomed Sci Instrum** 1981; 17:67–72

Ultrasound Doppler and echo combined as a noninvasive blood flowmeter. Histand MB, et al. **Biomed Sci Instrum** 1981;17:73–8

An ultrasonic instrument for multi — dimension measurements. Manoli SH. **Biomed Sci Instrum** 1981; 17:65–6

Hybrid real time/B scan ultrasonic system [letter] Richardson RE, et al. **Br J Radiol** 1981 Sep;54(645):820–1

Noninvasive pulsed Doppler blood velocity measurements and calculated flow in human digital arteries. Greene ER, et al. **ISA Trans** 1981;20(2):15–24

Ultrasound measurements for lens power calculation [letter] Margules L. **J Am Intraocul Implant Soc** 1981 Summer; 7(3):262–3

Comparison of ultrasonic to hand instruments in the removal of subgingival plaque. Thornton S, et al. **J Periodontol** 1982 Jan;53(1):35–7

Focused transducer beams in tissue–mimicking material. Zagzebski JA, et al. **JCU** 1982 Apr;10(4):159–66

Real–time calculation of ultrasonic pulsatility index. Gibbons DT, et al. **Med Biol Eng Comput** 1981 Jan;19(1):28–34

A heterodyne ultrasound blood velocity meter. Hatteland K, et al. **Med Biol Eng Comput** 1981 Jan;19(1):91–6

Ultrasound and its various modes in use, part II: real–time scanners. Keil OR. **Med Instrum** 1982 Mar–Apr; 16(2):107–10

Angular response of miniature ultrasonic hydrophones. Shombert DG, et al. **Med Phys** 1982 Jul–Aug;9(4):484–92

Experimental study on quantitative flow measurement by a Doppler flowmeter with a sound–spectrograph. Moritake K, et al. **Neurol Res** 1981;3(4):363–80

A system for the detection and analysis of ultrasonic calls. Damassa DA, et al. **Physiol Behav** 1982 Mar;28(3):579–81

Immersion ultrasound of testicular pathology. Friedrich M, et al. **Radiology** 1981 Oct;141(1):235–7

A simplified multiformat film holder. Suchato C, et al. **Radiology** 1982 Apr;143(1):270

Use of ultrasound in neurosurgical operations: a preliminary report. Dohrmann GJ, et al. **Surg Neurol** 1981 Nov; 16(5):362–6

In vitro evaluation of an ultrasonic three–dimensional imaging and volume system. Brinkley JF, et al. **Ultrasonic Imaging** 1982 Apr;4(2):126–39

Construction and performance of an experimental phased array acoustic imaging transducer. Dias JF. **Ultrasonic Imaging** 1981 Oct;3(4):352–68

An experimental investigation of the cross–coupling between elements of an acoustic imaging array transducer. Dias JF. **Ultrasonic Imaging** 1982 Jan;4(1):44–55

Ultrasound B–scanner with multi–line array. Hassler D, et al. **Ultrasonic Imaging** 1982 Jan;4(1):32–43

Analysis of B–scan speckle reduction by resolution limited filtering. Parker DL, et al. **Ultrasonic Imaging** 1982 Apr; 4(2):108–25

Compound scanning with a phased array. Shattuck DP, et al. **Ultrasonic Imaging** 1982 Apr;4(2):93–107

A pilot survey of monitoring practice for ultrasonic medical equipment in U.K. hospitals. Chivers RC. **Ultrasound Med Biol** 1982;8(3):317–23

A digital technique for tracking moving interfaces. Groves DH, et al. **Ultrasound Med Biol** 1982;8(2):185–90

Design of ultrasonic transducers for local hyperthermia. Hynynen K, et al. **Ultrasound Med Biol** 1981;7(4):397–402

A simple calibration and evaluation phantom for ultrasound scanners. McCarty K, et al. **Ultrasound Med Biol** 1982; 8(4):393–401

Blood flow detection by an intersecting zone ultrasonic Doppler unit. McHugh R, et al. **Ultrasound Med Biol** 1981; 7(4):371–5

[Osteotomy with ultrasonics] Grasshoff H, et al. **Beitr Orthop Traumatol** 1981 Jul;28(6):299–305 (Eng. Abstr.) (Ger)

[Computer–aided quality assurance of ultrasonic transducers for use in medical diagnostics (author's transl)] Lepper RD. **Biomed Tech (Berlin)** 1982 Jan–Feb;27(1–2):2–6 (Ger)

[Ultrasound hearing by humans: objectivation with brain stem potentials (author's transl)] Flach M, et al. **Laryngol Rhinol Otol (Stuttg)** 1980;59(12):840–3 (Eng. Abstr.) (Ger)

[Sonography of the testes with a new 5 MHz transducer (author's transl)] Stenzel I, et al. **Rontgenblatter** 1981 Aug; 34(8):291–3 (Eng. Abstr.) (Ger)

[Principles of echographic instrument technology] van Kaick G, et al. **Rontgenpraxis** 1981;34(7):271–80 (Ger)

[Preliminary principles of phacoemulsifier design (author's transl)] Chmielnik K, et al. **Klin Oczna** 1981 Jun;83(6):307–9 (Eng. Abstr.) (Pol)

METHODS

Porta hepatis: sonographic discrimination of bile ducts from arteries with pulsed Doppler with new anatomic criteria. Berland LL, et al. **AJR** 1982 May;138(5):833–40

Intra–operative real–time ultrasonic guidance of intracranial shunt tube placement in infants. Shkolnik A, et al. **Radiology** 1982 Aug;144(3):573–6

Eavesdropping on bones [news] Maugh TH 2d. **Science** 1981 Oct 9;214(4517):172

UTILIZATION

Utilization of diagnostic ultrasound in a controlled setting. Barer ML, et al. **JCU** 1981 Nov–Dec;9(9):495–500

ULTRAVIOLET RAYS

Effects of short–wave ultraviolet light (UVB) on delayed hypersensitivity in the guinea pig. Austad J, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):133–6

Sensitization capacity of polyester methacrylate in ultraviolet curing inks tested in the guinea pig. Björkner B. **Acta Derm Venereol (Stockh)** 1982;62(2):153–4

Histamine release from rat peritoneal mast cells exposed to ultraviolet light. Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):215–20

Effect of long–term exposure of rabbits to ultraviolet radiation on the level, creation and inactivation of kinins in blood. Legiecka B. **Acta Physiol Pol** 1981 May–Jun; 32(3):255–62

The level of blood kinins, their creation and inactivation after one exposure to intense ultraviolet radiation in rabbits. Legiecka B. **Acta Physiol Pol** 1981 May–Jun;32(3):247–53

Immunologic mechanisms in UV radiation carcinogenesis. Kripke ML. **Adv Cancer Res** 1981;34:69–106 (129 ref.)

Normal reconstruction of DNA supercoiling and chromatin structure in cockayne syndrome cells during repair of damage from ultraviolet light. Cleaver JE. **Am J Hum Genet** 1982 Jul;34(4):566–75

Fluorometric oxidase assays: pitfalls caused by action of ultraviolet light on lipids. Hirsch HE, et al. **Anal Biochem** 1982 May 1;122(1):79–84

Binding of halothane–free radicals to fatty acids following UV irradiation. Bösterling B, et al. **Anesthesiology** 1982 May;56(5):380–4

UV light–induced survival response in a highly radiation–resistant isolate of the Moraxella–Acinetobacter group. Keller LC, et al. **Appl Environ Microbiol** 1982 Feb; 43(2):424–9

Effect of UV light disinfection on antibiotic–resistant coliforms in wastewater effluents. Meckes MC. **Appl Environ Microbiol** 1982 Feb;43(2):371–7

Protection against UV–B by UV–A–induced tan. Roser–Maass E, et al. **Arch Dermatol** 1982 Jul;118(7):483–6

Prevention of changes after UV–irradiation by sunscreen products in skin of hairless mice. Vogel HG, et al. **Arch Dermatol Res** 1981;270(4):421–8

Sensitivity and resistance of human melanoma cells to ultraviolet radiation. Lavin MF, et al. **Aust J Exp Biol Med Sci** 1981 Aug;59(4):515–20

New approaches to DNA damage and repair: the ultraviolet light example. Haseltine WA, et al. **Basic Life Sci** 1982; 20:315–22

Mechanisms of UV mutagenesis in yeast. Lawrence CW, et al. **Basic Life Sci** 1982;20:109–20

UV light–induced cross–linking of strychnine to the glycine receptor of rat spinal cord membranes. Graham D, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1330–5

Nucleosomal distribution of thymine photodimers following far– and near–ultraviolet irradiation. Niggli HJ, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1215–23

The structure of adenovirion chromatin revealed by ultraviolet light–induced cross–linking. Sato K, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1318–23

On the mechanism of hydrogen peroxide–, superoxide–, and ultraviolet light–induced DNA cleavages of inactive bleomycin–iron (III) complex. Sugiura Y, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1511–8

Evidence of far ultraviolet light–mediated changes in plasma membrane structure and fuction. Braun AG, et al. **Biochim Biophys Acta** 1981 Nov 6;648(2):263–6

Restriction enzyme cleavage of ultraviolet–damaged DNA. Cleaver JE, et al. **Biochim Biophys Acta** 1982 May 31; 697(2):255–8

Repair of ultraviolet–light–induced DNA damage in vibrio cholerae. Das G, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):413–20

Effects of inhibitors of DNA synthesis and protein synthesis on the rate of DNA synthesis after exposure of mammalian cells to ultraviolet light. Griffiths TD, et al. **Biochim Biophys Acta** 1981 Nov 27;656(1):55–61

DNA–binding protein from HeLa cells that binds preferentially to supercoiled DNA damaged by ultraviolet light or N–acetoxy–N–acetyl–2–aminofluorene. Tsang SS, et al. **Biochim Biophys Acta** 1982 May 31;697(2):202–12

Photocrosslinking of thiolated aminoacyl–tRNA to ribosomal RNA and proteins. Barritault D, et al. **Biochimie** 1981 Jul; 63(7):587–93

Influence of near ultraviolet light on microorganisms. Fraikin GYa, et al. **Biol Bull Acad Sci USSR** 1980 May–Jun; 7(3):194–200

Correlation among the rates of dimer excision, DNA repair replication, and recovery of human cells from potentially lethal damage induced by ultraviolet radiation. Konze–Thomas B, et al. **Biophys J** 1979 Nov;28(2):315–25

Size and frequency of gaps in newly synthesized DNA of xeroderma pigmentosum human cells irradiated with ultraviolet light. Meneghini R, et al. **Biophys J** 1981 Jan; 33(1):81–92

Application of arabinofuranosyl cytosine in the kinetic analysis and quantitation of DNA repair in human cells after ultraviolet irradiation. Snyder RD, et al. **Biophys J** 1981 Aug;35(2):339–50

Increased levels of 6–oxo–PGF1 alpha in human skin following ultraviolet B irradiation. Black AK, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):351–4

Mechanisms of ultraviolet erythema: what's new under the sun? [letter] **Br J Dermatol** 1982 Aug;107(2):247–50

UV–B doses received during different outdoor activities and UV–B treatment of psoriasis. Diffey BL, et al. **Br J Dermatol** 1982 Jan;106(1):33–41

Sunscreens block the induction of epidermal ornithine decarboxylase by ultraviolet–B radiation: a new way of evaluating sunscreen efficacy in vivo. Gange RW, et al. **Br J Dermatol** 1982 Aug;107(2):215–20

UV–A and the skin. Greaves MW, et al. **Br J Dermatol** 1981 Oct;105(4):477–8

Unscheduled DNA synthesis in normal human skin after single and combined doses of UV–A, UV–B and UV–A with methoxsalen (PUVA). Hönigsmann H, et al. **Br J Dermatol** 1981 Nov;105(5):491–501

Thermographic analyses of anthralin and UV–B exposed human skin. Stüttgen G, et al. **Br J Dermatol** 1981 Aug; 105 Suppl 20:92–5

Immediate effect of ultraviolet–B radiation on epidermal lysosomal hydrolases. Volden G. **Br J Dermatol** 1982 Jun; 106(6):677–80

UVR radiometry of solar simulated radiation in experimental photocarcinogenesis studies. Young AR, et al. **Br J Dermatol** 1982 Jan;106(1):43–52

Photolysis of pyridinoline, a cross–linking amino acid of collagen, by ultraviolet light. Sakura S, et al. **Can J Biochem** 1982 May;60(5):525–9

Analysis of chromosome movement in crane fly spermatocytes by ultraviolet microbeam irradiation of individual chromosomal spindle fibres. I. General results. Sillers PJ, et al. **Can J Biochem** 1981 Sep;59(9):770–6

Analysis of chromosome movement in crane fly spermatocytes by ultraviolet microbeam irradiation of individual chromosomal spindle fibres. II. Action spectra for stopping chromosome movement and for blocking ciliary beating and myofibril contractions. Sillers PJ, et al. **Can J Biochem** 1981 Sep;59(9):777–92

Modification of the poliovirus capsid by ultraviolet light. De Sena J, et al. **Can J Microbiol** 1981 Nov;27(11):1185–93

Corticosteroid prevention of carcinogenesis in benzo[a]pyrene or ultraviolet irradiation–treated Syrian hamster cells in vitro. Evans CH, et al. **Cancer Lett** 1981 Mar;12(1–2):23–7

Identification of tumor–associated antigens on ultraviolet light–induced tumors using antitumor antibodies developed in ascites fluid. Fortner GW, et al. **Cancer Res** 1982 Jun; 42(6):2371–4

Inhibition of ultraviolet–B epidermal ornithine decarboxylase induction and skin carcinogenesis in hairless mice by topical indomethacin and triamcinolone acetonide. Lowe NJ, et al. **Cancer Res** 1982 Oct;42(10):3941–3

Familial melanoma associated with dominant ultraviolet radiation sensitivity. Ramsay RG, et al. **Cancer Res** 1982 Jul;42(7):2909–12

Spectral dependencies of killing, mutation, and transformation in mammalian cells and their relevance to hazards caused by solar ultraviolet radiation. Suzuki F, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4916–24

Dose–related effects of psoralen and ultraviolet light on the cell cycle of murine melanoma cells. Varga JM, et al. **Cancer Res** 1982 Jun;42(6):2223–6

Enhanced reactivation of ultraviolet–damaged herpes virus in ultraviolet pretreated skin fibroblasts of cancer prone donors. Coppey J, et al. **Carcinogenesis** 1981;2(8):787–93

Induction of diphtheria toxin–resistant mutants in human cells by ultraviolet light. Rocchi P, et al. **Carcinogenesis** 1981; 2(12):1289–91

Sensitivity of mononuclear cells to PUVA: effect on subsequent stimulation with mitogens and on exclusion of trypan blue dye. Morison WL, et al. **Clin Exp Dermatol** 1981 May;6(3):273–7

The protection against solar actinic radiation afforded by common clothing fabrics. Welsh C, et al. **Clin Exp Dermatol** 1981 Nov;6(6):577–82

Induction of chromosome damage by ultraviolet light and caffeine: correlation of cytogenetic evaluation and flow karyotype. Cremer C, et al. **Cytometry** 1982 Mar; 2(5):287–90

Modifying effects of ultraviolet irradiation on the development of abnormal body patterns in centrifuged insect embryos (Smittia sp., Chironomidae, Diptera). Kalthoff K, et al. **Dev Biol** 1982 Jun;91(2):413–22

Induction of chromosome shattering and micronuclei by ultraviolet light and caffeine. I. Temporal relationship and antagonistic effects of the four deoxyribonucleosides. Cremer C, et al. **Environ Mutagen** 1980;2(3):339–51

One–electron photoreduction of bacterial cytochrome P–450 by ultraviolet light. II. A study using laser flash photolysis of the dynamics of the reduction of bacterial cytochrome P–450 in the presence of carbon monoxide. The role of the protein conformation. Bazin M, et al. **Eur J Biochem** 1982 Jun;124(3):539–44

One–electron photoreduction of bacterial cytochrome P–450

by ultraviolet light. I. Steady-state irradiations. Pierre J, et al. **Eur J Biochem** 1982 Jun;124(3):533–7

Photoinduced protein–RNA cross-linking in mammalian 80-S ribosomes. Reboud AM, et al. **Eur J Biochem** 1980 May;106(1):33–40

Photoincorporation of tetracycline into rat-liver ribosomes and subunits. Reboud AM, et al. **Eur J Biochem** 1982 May 17;124(2):389–96

tRNA thiolated pyrimidines as targets for near-ultraviolet-induced synthesis of guanosine tetraphosphate in Escherichia coli. Thomas G, et al. **Eur J Biochem** 1981 Oct;119(2):381–7

Interaction of human and chick DNA repair functions in UV-irradiated xeroderma pigmentosum-chick erythrocyte heterokaryons. Bootsma D, et al. **Exp Cell Res** 1982 Jan; 137(1):181–9

Resistance to ultraviolet-induced mutagenesis in Proteus. Schwarzhoff R, et al. **Experientia** 1981;37(9):965–6

Differential action of penicillin and uv-light on endosymbionts of the ciliate Euplotes crassus. Verni F. **Experientia** 1982 Mar 15;38(3):335–6

Dependence of the dicarbonyl-sensitized photoinactivation of lactoperoxidase on irradiation wavelength. Mäkinen KK, et al. **FEBS Lett** 1982 Jan 25;137(2):276–8

Crosslinking of alpha-bungarotoxin to the acetylcholine receptor from Torpedo marmorata by ultraviolet light irradiation. Oswald RE, et al. **FEBS Lett** 1982 Mar 22; 139(2):225–9

UV-induced repair in Escherichia coli B/r Hcr-thy trp cells: its dependence on UV damage. Slezáriková V. **Folia Microbiol (Praha)** 1982;27(1):65–8

Sister-chromatid exchanges are not directly related to 6-thioguanine-resistant mutations induced by ultraviolet radiation in V79 Chinese hamster cells. Fujiwara Y, et al. **Gan** 1981 Feb;72(1):145–50

Effect of lexA and ssb genes, present on a uvrA recombinant plasmid, on the UV survival of Escherichia coli K-12. Brandsma JA, et al. **Gene** 1982 Apr;18(1):77–85

Irradiance measurements of some UV sources. Cremonese M, et al. **Health Phys** 1982 Feb;42(2):179–85

Ultraviolet irradiation, tumors, and suppressor T cells. Spellman CW, et al. **Hum Pathol** 1981 Jun;12(6):489–91

The effect of ultraviolet irradiation on the localization of syngeneic and allogeneic lymphoid cells and on alloimmunogenicity. Milton JD. **Immunology** 1981 Oct; 44(2):281–7

Liquid holding recovery & photoreactivation of the ultraviolet-inactivated Vibrios. Banerjee SK, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):60–2

Preparation & cytochemical properties of Schiff-type dye-SO2 reagents: role of UV rays. Dutt MK. **Indian J Exp Biol** 1981 Jul;19(7):617–20

Genetic & molecular events in the repair of DNA exposed to psoralen + near-UV light in Haemophilus influenzae. George MF, et al. **Indian J Exp Biol** 1981 Feb;19(2):105–11

Effects of glass filtered solar radiation & of 2, 4 dinitrophenol on growth of Bacillus cereus & on its survival after far-UV irradiation. Kumar R. **Indian J Exp Biol** 1981 Apr; 19(4):345–8

Influence of pre- & post-treatment with caffeine on UV-induced effects in Oedogonium gunnii Wittr. Srivastava S, et al. **Indian J Exp Biol** 1981 Feb;19(2):123–5

Seasonality of cardiovascular disease mortality and the possible protective effect of ultra-violet radiation. Scragg R. **Int J Epidemiol** 1981 Dec;10(4):337–41

Further studies on the survival of non-proliferating human diploid fibroblasts irradiated with ultraviolet light. Chan GL, et al. **Int J Radiat Biol** 1982 Apr;41(4):359–68

Effect of near-ultraviolet radiation on the cell surface of the protozoan Tritrichomonas foetus. Filho FC, et al. **Int J Radiat Biol** 1982 May;41(5):557–61

Ultraviolet radiation sensitivity of proliferating and differentiated human neuroblastoma cells. James M, et al. **Int J Radiat Biol** 1982 May;41(5):547–56

The influence of cell size on U.V. induced cell cycle variation in lethality and mitotic recombination in the yeast Saccharomyces cerevisiae. Tippins RS, et al. **Int J Radiat Biol** 1981 Sep;40(3):327–31

U.V.-enhanced reactivation of capsid protein synthesis and infectious centre formation in mouse cells infected with U.V.-irradiated Minute-Virus-of-Mice. Yu LZ, et al. **Int J Radiat Biol** 1982 Feb;41(2):119–26

Regulation of the Escherichia coli K-12 uvrB operon. Schendel PF, et al. **J Bacteriol** 1982 May;150(2):676–85

UV light induction of proteins in Bacteroides fragilis under anaerobic conditions. Schumann JP, et al. **J Bacteriol** 1982 Jul;151(1):44–7

Effects of the ssb-1 and ssb-113 mutations on survival and DNA repair in UV-irradiated delta uvrB strains of Escherichia coli K-12. Wang TC, et al. **J Bacteriol** 1982 Jul;151(1):186–92

Ribosomal proteins cross-linked to natural mRNA by UV irradiation of rat liver polysomes. Takahashi Y, et al. **J Biochem (Tokyo)** 1981 Nov;90(5):1549–52

Interferon action. Covalent linkage of (2'-5')pppApApA(32P)pCp to (2'-5')(A)n-dependent ribonucleases in cell extracts by ultraviolet irradiation. Floyd-Smith G, et al. **J Biol Chem** 1982 Aug 10; 257(15):8584–7

Photoreactivation of amanitin-inhibited RNA polymerase II. Lutter LC. **J Biol Chem** 1982 Feb 25;257(4):1577–8

Differential reactivation of zinc-mediated metallothionein induction in ultraviolet-irradiated normal and repair-deficient human cells. Hildebrand CE, et al. **J Cell Biochem** 1982;18(1):121–33

Dissociated occurrence of single-gene mutation and oncogenic transformation in C3H 10T1/2 cells exposed to ultraviolet light and caffeine. Chan GL, et al. **J Cell Physiol** 1982 Jun;111(3):309–14

Effect of ultra-violet irradiation on the oocystic zygotes of Eimeria stiedae. Mikhail EG, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):183–6

The epidermal melanocyte population in the skin of ultraviolet-irradiated crested newt. Losa M, et al. **J Exp Zool** 1982 Feb 1;219(2):139–45

Novel patterns of ultraviolet mutagenesis and Weigle reactivation in Staphylococcus aureus and phage phi 11. Thompson JK, et al. **J Gen Microbiol** 1981 May;124(Pt 1):147–57

Hospital hydrotherapy pools treated with ultra violet light: bad bacteriological quality and presence of thermophilic Naegleria. De Jonckheere JF. **J Hyg (Lond)** 1982 Apr; 88(2):205–14

Photoaugmentation in the hairless mouse: a study using ornithine decarboxylase activity and alteration of DNA synthesis as markers of epidermal response. Gange RW, et al. **J Invest Dermatol** 1981 Nov;77(5):393–6

Effect of chronologic aging and ultraviolet irradiation on Langerhans cells in human epidermis. Gilchrest BA, et al. **J Invest Dermatol** 1982 Aug;79(2):85–8

New melanogenesis and photobiological processes in activation and proliferation of precursor melanocytes after UV-exposure: ultrastructural differentiation of precursor melanocytes from Langerhans cells. Jimbow K, et al. **J Invest Dermatol** 1982 Feb;78(2):108–15

Retinoic acid modulation of ultraviolet light-induced epidermal ornithine decarboxylase activity. Lowe NJ, et al. **J Invest Dermatol** 1982 Feb;78(2):121–4

Microvascular leakage of plasma proteins after PUVA and UVA. Staberg B, et al. **J Invest Dermatol** 1982 Apr; 78(4):261–3

Sister chromatid exchange frequency in human epidermal cells in culture treated with 8-methoxypsoralen and long-wave UV radiation. West MR, et al. **J Invest Dermatol** 1982 Jan;78(1):67–8

Organic synthesis from reducing models of the atmosphere of the primitive earth with UV light and electric discharges. Bossard AR, et al. **J Mol Evol** 1982;18(3):173–8

Ultraviolet light and ultraviolet light-activated composite resins. Murray GA, et al. **J Prosthet Dent** 1981 Aug; 46(2):167–70

In vitro life span and UV sensitivity in cells obtained from a multimalformed premature human fetus. Ban S, et al. **J Radiat Res (Tokyo)** 1982 Mar;23(1):88–98

A study of the photobiogenesis of cholecalciferol in vivo and the constraint on its 25-hydroxylation in rat. Takada K, et al. **J Steroid Biochem** 1981 Dec;14(12):1361–7

Double-strand breaks in DNA caused by repair of damage due to ultraviolet light. Bradley MO. **J Supramol Struct Cell Biochem** 1981;16(4):337–43

Alteration of bacteriophage attachment capacity by near-UV irradiation. Hartman PS, et al. **J Virol** 1982 Aug; 43(2):529–32

Ultraviolet irradiation inhibits encapsidation of simian virus 40 chromatin. Roman A, et al. **J Virol** 1981 Dec; 40(3):729–34

The sensitivity of opiate receptors and ligands to short wavelength ultraviolet light. Glasel JA, et al. **Life Sci** 1981 Jul 20;29(3):221–8

DNA repair in a congeneic pair of mice with different longevities. Collier IE, et al. **Mech Ageing Dev** 1982 Jun; 19(2):141–6

Effect of age on sensitivity of human lymphocytes to radiation. A brief note. Kutlaca R, et al. **Mech Ageing Dev** 1982 Jun;19(2):97–101

The applications of ultraviolet photography in clinical forensic medicine. Hempling SM. **Med Sci Law** 1981 Jul; 21(3):215–22

Procedures to estimate the size of interferon mRNA and use of UV irradiation to estimate the size of its primary transcript. Sehgal PB. **Methods Enzymol** 1981;79(Pt B):111–24

A system for measuring the frequencies of tandem and non-tandem double base substitutions induced by ultraviolet irradiation. Dunst RW, et al. **MGG** 1981; 184(3):445–9

Weigle reactivation of the single-stranded DNA phage f1. Froehlich B. **MGG** 1981;184(3):416–20

The mechanism of untargeted mutagenesis in UV-irradiated yeast. Lawrence CW, et al. **MGG** 1982;186(1):1–9

Induced radioresistance: an aspect of induced repair. Pollard EC, et al. **MGG** 1981;184(3):421–9

Characterization of postreplication repair in Saccharomyces cerevisiae and effects of rad6, rad18, rev3 and rad52 mutations. Prakash L. **MGG** 1981;184(3):471–8

Mutability of bacteriophage M13 by ultraviolet light: role of pyrimidine dimers. Schaaper RM, et al. **MGG** 1982; 185(3):404–7

UV-repair is impaired in fibroblasts from patients with Fanconi's anemia. Schwaiger H, et al. **MGG** 1982; 185(3):454–6

Lysogenic induction of lambdoid phages in lexA mutants of Escherichia coli. Sedgwick SG, et al. **MGG** 1981; 184(3):457–9

UV-induced allevation of lambda restriction in Escherichia coli K-12: kinetics of induction and specificity of this SOS function. Thoms B, et al. **MGG** 1982;186(1):111–7

Evaluation of effects of ultraviolet, infrared, and fluorescent light on pH of local anesthetic solutions. Cooley RL, et al. **Milit Med** 1981 Nov;146(11):788–91

Ultraviolet light-induced crosslinking of HnRNA to informofer proteins in vitro. Marczinovits I, et al. **Mol Biol Rep** 1982 Mar 31;8(2):111–6

Plasminogen activator: analysis of enzyme induction by ultraviolet irradiation mapping. Miskin R, et al. **Mol Cell Biol** 1981 Oct;1(10):884–90

Cysteamine protection of SCEs induced by UV and fluorescent light. Bianchi M, et al. **Mutat Res** 1982 May-Jun;104(4–5):281–6

Induction and repair of psoralen cross-links in DNA of normal human and xeroderma pigmentosum fibroblasts. Bredberg A, et al. **Mutat Res** 1982 Mar;93(1):221–34

Differential effects of hydroxyurea on the survival of UV- and MNNG-treated adenovirus 5. Day RS 3d, et al. **Mutat Res** 1982 Jun;94(2):257–62

Recovery from post-irradiation inhibition of DNA synthesis in an ultraviolet-sensitive mutant mouse cell. Hama-Inaba H, et al. **Mutat Res** 1982 May-Jun;104(4–5):305–9

Extent of excision repair before DNA synthesis determines the mutagenic but not the lethal effect of UV radiation. Konze-Thomas B, et al. **Mutat Res** 1982 Jun;94(2):421–34

The effect of mutations in the uvrD cistron of Escherichia coli on repair resynthesis. Kuemmerle NB, et al. **Mutat Res** 1982 Jun;94(2):285–97

Host cell reactivation by excision repair is error-free in human cells. Lytle CD, et al. **Mutat Res** 1982 Jun; 94(2):405–12

3-Aminobenzamide synergistically increases sister-chromatid exchanges in cells exposed to methyl methanesulfonate but not to ultraviolet light. Morgan WF, et al. **Mutat Res** 1982 Jul;104(6):361–6

Comparative mutability of the Ames tester strains of Salmonella typhimurium by ultraviolet radiation and by 4-nitroquinoline 1-oxide. Nakano E, et al. **Mutat Res** 1982 Mar;93(1):35–44

Effect of split doses of radiation on mutation frequency in rodent cell lines. Radner BS, et al. **Mutat Res** 1982 Jun; 94(2):397–403

A deficiency in the repair of UV and gamma-ray damaged DNA in fibroblasts from Cockayne's syndrome. Rainbow AJ, et al. **Mutat Res** 1982 Mar;93(1):235–47

Effects of rifampin on the lethality and the mutation frequency of ultraviolet-irradiated Chinese hamster V79 cells. Shinohara K. **Mutat Res** 1982 Jun;94(2):393–6

Lack of ultraviolet mutagenesis in radiation-resistant bacteria. Tempest PR, et al. **Mutat Res** 1982 May-Jun; 104(4–5):275–80

Radiation-induced base substitution mutagenesis in single-stranded DNA phage M13. Brandenburger A, et al. **Nature** 1981 Nov 12;294(5837):180–2

UV-induced mutation hotspots occur at DNA damage hotspots. Brash DE, et al. **Nature** 1982 Jul 8; 298(5870):189–92

Specificity of UV mutagenesis in the lac promoter of M13lac hybrid phage DNA. LeClerc JE, et al. **Nature** 1982 Jun 17;297(5867):596–8

Birds, berries and UV. A note on some consequences of UV vision in birds. Burkhardt D. **Naturwissenschaften** 1982 Apr;69(4):153–7

Inhibitors of repair DNA synthesis. Collins AR, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1203–13

5,6-Saturated thymine lesions in DNA: production by ultraviolet light or hydrogen peroxide. Demple B, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3781–9

Mechanism of ultraviolet-induced mutagenesis: the coding properties of ultraviolet-irradiated poly(dC) replicated by E. coli DNA polymerase I. Lecomte P, et al. **Nucleic Acids Res** 1981 Jul 24;9(14):3491–501

Effect of UV-irradiation on DNA replication of the parvovirus minute-virus-of-mice in mouse fibroblasts. Rommelaere J, et al. **Nucleic Acids Res** 1982 Apr 24; 10(8):2577–96

Photoreaction of thymidine with primary amines. Application to specific modification of DNA. Saito I, et al. **Nucleic Acids Symp Ser** 1981;(10):61–4

Unscheduled DNA repair in human lens epithelium following 'in vivo' and 'in vitro' ultraviolet irradiation. Grabner G, et al. **Ophthalmic Res** 1982;14(3):160–6

Ultraviolet light transmission of the lens capsule. Keates RH, et al. **Ophthalmic Surg** 1982 May;13(5):374–6

Studies on the UV photodestruction of purine free base in aqueous solutions at 77 and 298K. Arce R, et al. **Photochem Photobiol** 1982 Mar;35(3):291–7

4,4'-Dimethylangelicin, a monofunctional furocoumarin showing high photosensitizing activity. Baccichetti F, et al. **Photochem Photobiol** 1981 Nov;34(5):649–51

Repair of ultraviolet-damaged transforming DNA in a mismatch repair-deficient strain of Haemophilus influenzae. Bagci H, et al. **Photochem Photobiol** 1982 Mar;35(3):331–5

Recovery from inhibition by UV-irradiation of ornithine decarboxylase induction in human cells: implication of excision repair. Ben-Hur E, et al. **Photochem Photobiol** 1982 May;35(5):671–4

A climatology of sunburning ultraviolet radiation. Berger DS, et al. **Photochem Photobiol** 1982 Feb;35(2):187–92

UV-induced reversion of adenovirus 5ts2 infecting human

cells. Day RS 3d, et al. **Photochem Photobiol** 1981 Sep; 34(3):403–6
Decreased host cell reactivation of UV–irradiated adenovirus 5 by fibroblasts from Cockayne's syndrome patients. Day RS 3d, et al. **Photochem Photobiol** 1981 Nov;34(5):603–7
Systemic influence of pre–irradiation of a limited skin area on UV–tumorigenesis. de Gruiji FR, et al. **Photochem Photobiol** 1982 Mar;35(3):379–83
The vacuum ultraviolet photochemistry of nucleotides. Dodonova NYa, et al. **Photochem Photobiol** 1982 Jan; 35(1):129–32
Photochemistry in human epidermis. A quantitative approach. Dubertret L, et al. **Photochem Photobiol** 1982 Jan;35(1):103–7
Photoreactivation associated with chromosomal abnormality in sea urchin eggs fertilized with ultraviolet–irradiated sperm. Ejima Y, et al. **Photochem Photobiol** 1982 Jul; 36(1):37–41
Photoreactivation associated with morphological abnormality in sea urchin embryos induced by ultraviolet–irradiated sperm. Ejima Y, et al. **Photochem Photobiol** 1982 Feb;35(2):175–80
Photocarcinogenesis in hairless mice: dose–response and the influence of dose–delivery. Forbes PD, et al. **Photochem Photobiol** 1981 Sep;34(3):361–5
Alterations in DNA irradiated with ultraviolet radiation–I. The formation process of cyclobutylpyrimidine dimers: cross sections, action spectra and quantum yields. Garcés F, et al. **Photochem Photobiol** 1982 Jan;35(1):9–16
Differing levels of excision repair in human fetal dermis and brain cells. Gibson RE, et al. **Photochem Photobiol** 1982 Feb;35(2):181–5
Alkali–labile lesion and uracil–DNA–glycosylase–sensitive site removal after BrdUrD and UVB treatment of Chinese hamster cells. Hagan MP, et al. **Photochem Photobiol** 1982 Mar;35(3):371–7
Near–UV radiation effects on microorganisms. Jagger J. **Photochem Photobiol** 1981 Dec;34(6):761–8 (80 ref.)
Correlation between inactivation of human cells and numbers of pyrimidine dimers induced by sun lamp and 254 nm radiation. Kantor GJ, et al. **Photochem Photobiol** 1982 Feb; 35(2):269–74
The effect of membrane fatty acid composition on the near–UV (300–400 nm) sensitivity of Escherichia coli K1060. Klamen DL, et al. **Photochem Photobiol** 1982 Feb; 35(2):167–73
Coal tar phototoxicity: active compounds and action spectra. Kochevar IE, et al. **Photochem Photobiol** 1982 Jul; 36(1):65–9
An instrument for action spectrum studies in dermatology. Lamola AA, et al. **Photochem Photobiol** 1982 Feb; 35(2):285–90
Tryptophan protection of phage from ultraviolet irradiation. Larcom LL, et al. **Photochem Photobiol** 1981 Nov; 34(5):583–7
Bovine ocular squamous cell carcinoma: UV sensitivity in lymphocytes. Lavin MF, et al. **Photochem Photobiol** 1982 May;35(5):685–9
Host cell reactivation and UV–enhanced reactivation in synchronized mammalian cells. Lytle CD, et al. **Photochem Photobiol** 1981 Sep;34(3):355–9
Loss of photoreactivation in UV–irradiated cultured fish cells under different conditions. Mano Y, et al. **Photochem Photobiol** 1982 May;35(5):753–5
Resistance of 3T3 mouse cells to UV light in relation to excision and transfer of dimers to daughter strands. Meneck CF, et al. **Photochem Photobiol** 1982 Apr;35(4):507–13
Photosensitization by antimalarial drugs. Moore DE, et al. **Photochem Photobiol** 1982 Jul;36(1):71–7
The wavelength dependence of the effect of 8–methoxypsoralen plus ultraviolet radiation on the induction of latent simian virus 40 from a mammalian cell. Moore SP, et al. **Photochem Photobiol** 1981 Nov; 34(5):609–15
Suppression of contact hypersensitivity by UV radiation and its relationship to UV–induced suppression of tumor immunity. Noonan FP, et al. **Photochem Photobiol** 1981 Dec;34(6):683–9
Photoreactivation and excision repair of UV induced pyrimidine dimers in the unicellular cyanobacterium Gloeocapsa alpicola (Synechocystis PCC 6308). O'Brien PA, et al. **Photochem Photobiol** 1982 Mar;35(3):359–64
Inactivation of nucleotide excision repair in Chinese hamster ovary cells by exposure to an alkylating agent. Park SD, et al. **Photochem Photobiol** 1982 Mar;35(3):419–21
Lethality in repair–proficient Escherichia coli after 365 nm ultraviolet light irradiation is dependent on fluence rate. Peak JG, et al. **Photochem Photobiol** 1982 Jul;36(1):103–5
Single–strand breaks induced in Bacillus subtilis DNA by ultraviolet light: action spectrum and properties. Peak MJ, et al. **Photochem Photobiol** 1982 May;35(5):675–80
DNA synthesis on phi X174 template damaged by proflavine and light treatment. Piette J, et al. **Photochem Photobiol** 1982 May;35(5):705–8
The action spectrum (313–435 nm) for killing Hoechst 33258 treated Chinese hamster ovary cells containing bromodeoxyuridine substituted DNA. Rosenstein BS. **Photochem Photobiol** 1982 Feb;35(2):163–6
The effects of high–intensity UV–radiation on nucleic acids and their components—I. Thymine. Rubin LB, et al. **Photochem Photobiol** 1981 Sep;34(3):339–44
Analytical characterization of spectral actinic flux and spectral irradiance in the middle ultraviolet. Schippnick PF, et al. **Photochem Photobiol** 1982 Jan;35(1):89–101
Ultraviolet radiation induced changes in macrophage activity. Schuller GB, et al. **Photochem Photobiol** 1981 Dec; 34(6):741–3
The effect of psoralens and angelicins on proteins in the presence of UV–A irradiation. Veronese FM, et al. **Photochem Photobiol** 1981 Sep;34(3):351–4
Recovery from damage induced by acridine plus near–ultraviolet light in Escherichia coli. Wagner S, et al. **Photochem Photobiol** 1982 Jan;35(1):73–81
Ultraviolet sensitivity of the addition, deletion and replacement of long nonhomologous DNA segments by genetic transformation of Haemophilus influenzae. Walter RB, et al. **Photochem Photobiol** 1982 Mar;35(3):337–41
Nonreciprocal synergistic lethal interaction between 365–nm and 405–nm radiation in wild type and uvrA strains of Escherichia coli. Webb RB, et al. **Photochem Photobiol** 1982 May;35(5):697–703
Phototoxicity from benoxaprofen: in vivo and in vitro studies. Webster GF, et al. **Photochem Photobiol** 1982 Jul; 36(1):59–64
Ultraviolet radiation and skin carcinoma: the Dead Sea paradox. Schrire SR. **Practitioner** 1982 Jul; 226(1369):1303–4
Inducibility of a gene product required for UV and chemical mutagenesis in Escherichia coli. Bagg A, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5749–53
Frequency of UV–induced neoplastic transformation of diploid human fibroblasts is higher in xeroderma pigmentosum cells than in normal cells. Maher VM, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2613–7
Induction of plasminogen activator by UV light in normal and xeroderma pigmentosum fibroblasts. Miskin R, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6236–40
Repair and mutagenesis of plasmid DNA modified by ultraviolet irradiation or N–acetoxy–N–2–acetylaminofluorene. Schmid SE, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4133–7
Cloning of the uvrC gene of Escherichia coli: expression of a DNA repair gene. Sharma S, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6033–7
Mutational specificity of UV light in Escherichia coli: indications for a role of DNA secondary structure. Todd PA, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4123–7
Inducible error–prone repair and induction of prophage lambda in Escherichia coli. Devoret R. **Prog Nucleic Acid Res Mol Biol** 1981;26:251–63
Comparative induction studies. Pollard EC, et al. **Prog Nucleic Acid Res Mol Biol** 1981;26:315–22
Multiprotein interactions in strand cleavage of DNA damaged by UV and chemicals. Seeberg E. **Prog Nucleic Acid Res Mol Biol** 1981;26:217–26
Radioimmune assay of induction and removal of uv lesions in total and staphylococcal nuclease–resistant DNA of mammalian chromatin. McConlogue LC, et al. **Radiat Res** 1982 Feb;89(2):381–95
Photoreactivation and excision repair of thymine dimers in ultraviolet–irradiated cultured fish cells. Mano Y, et al. **Radiat Res** 1982 Jun;90(3):501–8
Effects of 163–nm vacuum uv radiation on the initiation of mitosis in Physarum polycephalum. Matsumoto S, et al. **Radiat Res** 1981 Oct;88(1):86–95
Inhibition of semiconservative DNA synthesis in ICR 2A frog cells exposed to monochromatic uv wavelengths (252–313 nm) and photoreactivating light. Rosenstein BS. **Radiat Res** 1982 Jun;90(3):509–17
Ultraviolet–induced sister chromatid exchanges in V–79 cells with normal and BrdUrd–substituted DNA and the influence of intercalating substances and cysteine. Speit G, et al. **Radiat Res** 1982 Jun;90(3):538–46
Sensitization of mouse L cells to ultraviolet light by low amounts of bromodeoxyuridine. Thomas GH, et al. **Radiat Res** 1982 Jul;91(1):145–54
Preferential synthesis of low–molecular–weight RNA in uv–irradiated plasmodia of Physarum polycephalum. Valsala Kumari PA, et al. **Radiat Res** 1981 Oct;88(1):37–46
Effects of radiation on the survival of excision–defective cells from Drosophila melanogaster. Brown TC, et al. **Somatic Cell Genet** 1981 Nov;7(6):631–44
Isolation of UV–sensitive mutants of mouse L5178Y cells by a cell suspension spotting method. Shiomi T, et al. **Somatic Cell Genet** 1982 May;8(3):329–45
Suppression of contact hypersensitivity by ultraviolet radiation: an experimental model. Noonan FP, et al. **Springer Semin Immunopathol** 1981;4(3):293–304
Effect of beta–carotene on ultraweak chemiluminescence of UVB–irradiated squalene. Torinuki W, et al. **Tohoku J Exp Med** 1982 Apr;136(4):459–60
Host cell reactivation of uv– and X–ray–damaged herpes simplex virus by Epstein–Barr virus (EBV)–transformed lymphoblastoid cell lines. Henderson EE, et al. **Virology** 1981 Dec;115(2):237–48
Effect of combined treatment of serum containing hepatitis B virus with beta–propiolactone and ultraviolet irradiation. Stephan W, et al. **Vox Sang** 1981 Sep;41(3):134–8
The microscopical structure and quantitative changes of pituitary cell populations in frogs (Rana esculenta L.) irradiated by ultraviolet light. Kasprzyk JM, et al. **Z Mikrosk Anat Forsch** 1980;94(6):1090–104
Effects of ultraviolet light (2535 A) and dactinomycin upon hydra (Pelmatohydra oligactis). Znidarić D, et al. **Z Mikrosk Anat Forsch** 1981;95(5):865–75
Dark oxidation of unsaturated lipids by the photo–oxidized 8–methoxypsoralen. Potapenko AYa, et al. **Z Naturforsch** [C] 1982 Jan–Feb;37(1–2):70–4
[UV irradiation of a Streptomyces aureofaciens strain and the isolation of highly active chlortetracycline mutants] Valerianov Ts, et al. **Acta Microbiol Bulg** 1981;8:25–9 (Eng. Abstr.) **(Bul)**
[Light and bacterial growth] Favre A. **Biochimie** 1981 Jul; 63(7):III–VI **(Fre)**
[Different phenotypes of non–photosynthetic (photo–) phenotypes in Euglena gracilis: frequency of production by ultraviolet irradiation] Nicolas P, et al. **C R Seances Acad Sci [III]** 1982 Jan 18;294(3):145–8 (Eng. Abstr.) **(Fre)**
[Ultrastructure of the apical cells in Microsporum gypseum following growth inhibition by ultraviolet light (author's transl)] Buchníček J. **Mykosen** 1981 Aug;24(8):472–81 (Eng. Abstr.) **(Ger)**
[The effect of UV light on DNA metabolism of lymphocytes during radiotherapy (author's transl)] Klein W, et al. **Strahlentherapie** 1982 May;158(5):319–25 (Eng. Abstr.) **(Ger)**
[Phototherapy and solaria (author's transl)] Schuppli R. **Ther Umsch** 1982 Mar;39(3):218–21 (Eng. Abstr.) **(Ger)**
[Combination of equipment for UV detection of elutions in liquid chromatography] Thomann R. **Z Med Lab Diagn** 1982 Jan;23(1):70–1 **(Ger)**
[Comparative studies on susceptibility of viruses to ultraviolet rays] von Brodorotti HS, et al. **Zentralbl Veterinarmed [B]** 1982 Mar;29(2):129–36 (Eng. Abstr.) **(Ger)**
[Effect of the ultraviolet irradiation of rabbits on plasma proteins in the inflammatory process] Miętkiewski E, et al. **Ann Acad Med Stetin** 1981;27:331–41 (Eng. Abstr.) **(Pol)**
[Induction of bacteriocin synthesis in Erwinia cells] Lysak VV, et al. **Antibiotiki** 1982 Mar;27(3):165–70 (Eng. Abstr.) **(Rus)**
[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by UV rays at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Sep; 26(9):672–5 (Eng. Abstr.) **(Rus)**
[Mechanism of the inactivating effect of laser ultraviolet radiation on viruses and bacterial plasmids] Gurzadian GG, et al. **Biofizika** 1981 Jul–Aug;26(4):659–63 (Eng. Abstr.) **(Rus)**
[Photochemical stability of aromatic amino acids under picosecond laser UV–irradiation] Gurzadian GG, et al. **Biofizika** 1981 Nov–Dec;26(6):991–4 (Eng. Abstr.) **(Rus)**
[UV–induced lipid peroxidation in Ehrlich ascites carcinoma cells] Konev VV, et al. **Biofizika** 1981 Nov–Dec; 26(6):1098–100 (Eng. Abstr.) **(Rus)**
[UV–light–tested protein—DNA interactions in the nuclei during the cell cycle in Physarum polycephalum] Kostiuchenko DA, et al. **Biokhimiia** 1982 Mar; 47(3):497–501 (Eng. Abstr.) **(Rus)**
[Recording of optical interaction between phytohemagglutinin–activated lymphocytes using an yeast detector] Altynkov GP. **Biull Eksp Biol Med** 1982 Feb; 93(2):57–9 **(Rus)**
[Action of high–intensity UV radiation on DNA] Burchuladze TG, et al. **Dokl Akad Nauk SSSR** 1982; 264(4):983–6 **(Rus)**
[Photoprotection in Saccharomyces cerevisiae yeasts from the lethal action of ultraviolet light at 254 and 313 nm] Fraĭkin Gla, et al. **Dokl Akad Nauk SSSR** 1981; 261(5):1257–9 **(Rus)**
[Reaction of proliferating and resting tumor cells to pulsed periodic low–intensity laser UV radiation] Karu TI, et al. **Dokl Akad Nauk SSSR** 1982;262(6):1498–501 **(Rus)**
[Separation in space of primary UV damage and mutation site in bacteriophage phi X–174 DNA] Zavil'gel'skiĭ GB. **Dokl Akad Nauk SSSR** 1982;264(3):718–21 **(Rus)**
[Genetic control of mitotic crossing–over in yeasts. III. Induction by 8–methoxypsoralen and long–wave UV irradiation (lambda = 365 nm)] Fedorova IV, et al. **Genetika (Moskva)** 1982 Feb;18(2):207–14 (Eng. Abstr.) **(Rus)**
[Radiosensitive lines of Drosophila. V. The sensitivity of mutant mus(2) 201G1 to methyl methanesulfonate and UV radiation and disordered DNA repair in UV–irradiated cells] Luchkina LA, et al. **Genetika (Moskva)** 1982 Apr; 18(4):625–33 (Eng. Abstr.) **(Rus)**
[W–reactivation and W–mutagenesis in lambda and T7 bacteriophages: a comparative study of the action of ultraviolet radiation (254 nm) and of the photosensitizing agents, 8–methoxypsoralen and angelicin] Zavil'gel'skiĭ GB, et al. **Genetika (Moskva)** 1982;18(1):24–35 (Eng. Abstr.) **(Rus)**
[Influence of long–wave ultraviolet radiation on the experimental mutagenic and embryotoxic effects of chemicals] Prokopenko IuI, et al. **Gig Sanit** 1981 Jul; (7):12–5 (Eng. Abstr.) **(Rus)**
[Enhancement of bodily resistance to environmental pollutants] Prokopenko IuI. **Gig Sanit** 1981 Dec;(12):8–10 (Eng. Abstr.) **(Rus)**
[Effect of ultraviolet radiation on the electrochemical potential and fibrogenic properties of quartz dust] Kaleganov BA, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):17–21 **(Rus)**

[Mechanisms of microorganism protection from the action of ultraviolet rays] Lysenko SV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Nov-Dec;(6):845-53 (44 ref.) (Eng. Abstr.) **(Rus)**

[Variability of beta-1,3/1,4-glucanglucanohydrolase-forming Streptomyces narbonensis induced by UV rays and mitomycin C] Elinov NP, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):318-23 (Eng. Abstr.) **(Rus)**

[Resistance of resting cyst-like forms of Bacillus cereus to exposure to high temperature, ultraviolet rays and low-molecular alcohols] Pronin SV, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):314-7 (Eng. Abstr.) **(Rus)**

[Effect of triterpene glycosides and polyene antibiotics on cell membrane permeability for K+ ions and UV-absorbing substances] Anisimov MM, et al. **Prikl Biokhim Mikrobiol** 1981 Nov-Dec;17(6):890-5 (Eng. Abstr.) **(Rus)**

[Changes in the properties of the protein and nucleic acid components of an artificial nucleotide as affected by gamma and UV radiation] Kalabukhova TN, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):912-5 (Eng. Abstr.) **(Rus)**

[Effect of large ultraviolet radiation dosages on the tissue respiration of the skin] Kononov EI. **Radiobiologiia** 1981 Nov-Dec;21(6):909-11 (Eng. Abstr.) **(Rus)**

[Effect of short-wave UV irradiation on the genome mutation frequency in HeLa cell clone populations] Kucheriavaia NA, et al. **Radiobiologiia** 1981 May-Jun; 21(3):423-6 (Eng. Abstr.) **(Rus)**

[Accumulation and repair of single-stranded breaks in the DNA of blood lymphocytes in mice of varying age after the action of gamma and UV radiation] Malakhova LV, et al. **Radiobiologiia** 1981 Nov-Dec;21(6):903-6 (Eng. Abstr.) **(Rus)**

[Formation of UV-induced DNA-protein cross-links in bacterial cells and the potentials for their elimination] Sigaeva VA, et al. **Radiobiologiia** 1981;21(4):568-71 (Eng. Abstr.) **(Rus)**

[Action of gamma and UV irradiation on DNA synthesis in permeable Bacillus stearothermophilus cells] Trofimenko AF, et al. **Radiobiologiia** 1981 Sep-Oct;21(5):660-5 (Eng. Abstr.) **(Rus)**

[Variability of the number of nucleoli in the progeny of intact UV-irradiated clonogenic HeLa cells and the heritability of this trait] Kucheriavaia NA, et al. **Tsitol Genet** 1981 Sep-Oct;15(5):3-7 (Eng. Abstr.) **(Rus)**

[Effect of long-wave ultraviolet radiation on the cyclophosphamide-induced frequency of chromosome aberrations in mouse bone marrow cells] Zhurkov VS, et al. **Tsitol Genet** 1982 Mar-Apr;16(2):6-9 (Eng. Abstr.) **(Rus)**

[Intraclonal heterogeneity and instability of CHO-K1 Chinese hamster cells in sensitivity to ultraviolet light and resistance to 8-azaguanine] Abramian DS, et al. **Tsitologiia** 1981 Sep;23(9):1031-40 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone on the ultraviolet fluorescence of rat thymus lymphocytes] Reshchikov AM, et al. **Tsitologiia** 1981 Aug;23(8):960-4 **(Rus)**

[Ultraviolet fluorescence of rat thymocyte subpopulations isolated in a ficoll-verografin density gradient] Sungurrov AIu, et al. **Tsitologiia** 1982 Apr;24(4):484-7 **(Rus)**

[UV inactivation of the tick-borne encephalitis virus] Efimova VF, et al. **Vopr Virusol** 1982 Jan-Feb;(1):94-8 **(Rus)**

[RNA-protein interactions in influenza virus A ribonucleoprotein detected by UV radiation] Kolodkina VL, et al. **Vopr Virusol** 1981 Nov-Dec;(6):688-92 (Eng. Abstr.) **(Rus)**

[Specific activity of an UV-inactivated antirabies vaccine made from brain tissue administered in a shortened schedule] Morogova VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):98-101 (Eng. Abstr.) **(Rus)**

[Difference in photoreactivation of DNA inactivated by ultraviolet light or near-ultraviolet light] López-Bracho MA, et al. **Rev Latinoam Microbiol** 1980 Oct-Dec; 22(4):205-12 **(Spa)**

ADVERSE EFFECTS

Exanthema fixum due to ultraviolet radiation. Langeland J. **Acta Derm Venereol (Stockh)** 1982;62(2):169-71

Phototoxic reactions from some common drugs provoked by a high-intensity UVA lamp. Rosén K, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):246-8

The relationship between development of ultraviolet erythema and release of prostaglandins in guinea pig skin. Adams SS, et al. **Agents Actions** 1981 Nov;11(5):473-6

Solar-induced skin changes. Fenske NA, et al. **Am Fam Physician** 1982 Jun;25(6):109-17

Allopurinol therapy and cataractogenesis in humans. Lerman S, et al. **Am J Ophthalmol** 1982 Aug;94(2):141-6

Clinical evaluation of direct and photosensitized ultraviolet radiation damage to the lens. Hockwin O, et al. **Ann Ophthalmol** 1982 Mar;14(3):220-3

The influence of infrared radiation on short-term ultraviolet-radiation-induced injuries. Kaidbey KH, et al. **Arch Dermatol** 1982 May;118(5):315-8

Lack of enhancement of experimental photocarcinogenesis by topical retinoic acid. Kligman LH, et al. **Arch Dermatol Res** 1981;270(4):453-62

Lack of photosensitization of ocular tissues by allopurinol. Rudy MA, et al. **Arch Ophthalmol** 1981 Nov;99(11):2030-3

The mechanism of ultraviolet erythema. Shuster S. **Br J Dermatol** 1982 Feb;106(2):235-6

Do freckles protect the skin from actinic damage? Wilson PD, et al. **Br J Dermatol** 1982 Jan;106(1):27-32

Experimental induction of freckles by ultraviolet-B. Wilson PD, et al. **Br J Dermatol** 1982 Apr;106(4):401-6

Simulated stratospheric ozone depletion and increased ultraviolet radiation: effects on photocarcinogenesis in hairless mice. Forbes PD, et al. **Cancer Res** 1982 Jul; 42(7):2796-803

Environmental effects on cutaneous carcinogenesis. Knox JM, et al. **Cardiovasc Res Cent Bull** 1981 Oct-Dec; 20(2):25-30

The effects of heat and sun on the skin of the teenager and young adult. Meynadier J, et al. **Curr Med Res Opin** 1982; 7(Suppl 2):55-60

Perinuclear halo formation as an indication of phototoxic effects. Emerit I, et al. **Dermatologica** 1981;163(4):295-9

Genotoxicity of 5-methoxypsoralen and near ultraviolet light in repair-deficient strains of Escherichia coli WP2. Pool BL, et al. **Food Chem Toxicol** 1982 Apr;20(2):177-81

Chlorpromazine-induced corneal endothelial phototoxicity. Hull DS, et al. **Invest Ophthalmol Vis Sci** 1982 Apr; 22(4):502-8

Threat of ultraviolet radiation to the eye--how to protect against it. Pitts DG. **J Am Optom Assoc** 1981 Dec; 52(12):949-57

Sunlight-skin cancer association in the dog: a report of three cases. Madewell BR, et al. **J Cutan Pathol** 1981 Dec; 8(6):434-43

Prevention of ultraviolet damage to the dermis of hairless mice by sunscreens. Kligman LH, et al. **J Invest Dermatol** 1982 Feb;78(2):181-9

Inhibition of mixed leukocyte culture reaction by 8-methoxypsoralen and long-wavelength ultraviolet radiation. Kraemer KH, et al. **J Invest Dermatol** 1981 Aug; 77(2):235-9

Experimental photoallergic contact dermatitis: a mouse model. Maguire HC Jr, et al. **J Invest Dermatol** 1982 Sep; 79(3):147-52

In vitro assay for phototoxic chemicals. Morison WL, et al. **J Invest Dermatol** 1982 Jun;78(6):460-3

The proliferative and toxic effects of ultraviolet light and inflammation on epidermal pigment cells. Nordlund JJ, et al. **J Invest Dermatol** 1981 Oct;77(4):361-8

The interaction of UVA and UVB in the production of threshold erythema. Paul BS, et al. **J Invest Dermatol** 1982 May;78(5):371-4

Ultraviolet light sensitivity and prolonged UVR-erythema. Wilson PD, et al. **J Invest Dermatol** 1981 Dec;77(6):434-6

Photoreactivity of chlorpromazine with native DNA in an aqueous solution. Fujita H, et al. **J Radiat Res (Tokyo)** 1980 Dec;21(3-4):279-87

Enhanced lymphoma incidence in BALB/c mice after ultraviolet light treatment. Ebbesen P. **JNCI** 1981 Nov; 67(5):1077-8

Cell damage by near ultraviolet radiation: role of DNA-protein cross-links. Eisenstark A, et al. **JNCI** 1982 Jul;69(1):177-81

Histogenesis and progression in ultraviolet light-induced tumors in hairless mice. Kligman LH, et al. **JNCI** 1981 Dec;67(6):1289-93

In vitro assay of the effects of psoralens plus ultraviolet radiation on human lymphoid cells. Kraemer KH. **JNCI** 1982 Jul;69(1):219-27

Immunosuppressive effects of ultraviolet (280-320 nm) radiation and psoralen plus ultraviolet (320-400 nm) radiation in mice. Kripke ML. **JNCI** 1982 Jul;69(1):171-3

Toxic effect of ultraviolet light on melanocytes: use of animal models in pigment research. Szabo G, et al. **JNCI** 1982 Jul;69(1):245-50

Modification of photocarcinogenesis by chemical agents. Urbach F, et al. **JNCI** 1982 Jul;69(1):229-35 (15 ref.)

Ultraviolet radiation, T lymphocytes, and skin cancer [editorial] **Lancet** 1982 Sep 4;2(8297):530

Photosensitization to benoxaprofen not due to ultraviolet A alone [letter] Fenton DA, et al. **Lancet** 1981 Nov 28; 2(8257):1230-1

Cataract--the ultraviolet risk factor. Hollows F, et al. **Lancet** 1981 Dec 5;2(8258):1249-50

Artificial tanning and suntan salons. Watson AB. **Med J Aust** 1982 May 15;1(10):430-1

Human ultraviolet radiation cataracts [letter] Zigman S. **Ophthalmic Res** 1982 Jan-Feb;14(1):70-2

UV radiation [letter] Keates RH, et al. **Ophthalmic Surg** 1982 Apr;13(4):327

UV-induced chromosome aberrations, sister-chromatid exchanges and cell survival in cultured lymphocytes from malnourished children. Murthy PB, et al. **Pediatr Res** 1982 Aug;16(8):663-4

Mammalian cell viral capacity: an alternative assay for ultraviolet radiation damage. Coohill TP. **Photochem Photobiol** 1981 Oct;34(4):525-7

Lethal effects of natural solar ultraviolet radiation in repair proficient and repair deficient strains of Escherichia coli: actions and interactions. Tyrrell RM, et al. **Photochem Photobiol** 1981 Sep;34(3):331-7

A mathematical model of the biologically effective dose of solar UVA received by patients undergoing oral psoralen photochemotherapy for psoriasis. Diffey BL. **Phys Med Biol** 1981 Nov;26(6):1129-35

The consistency of studies of ultraviolet erythema in normal human skin. Diffey BL. **Phys Med Biol** 1982 May; 27(5):715-20

Current concepts in ultraviolet carcinogenesis. Granstein RD, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):115-25 (128 ref.)

Toxicity of ultraviolet-irradiated halothane in mice. O'Neal FO, et al. **Toxicology** 1982;23(2-3):223-34

[Solar protection (author's transl)] Ramelet AA. **Ther Umsch** 1982 Mar;39(3):222-5 (Eng. Abstr.) **(Fre)**

[On the influence of ultraviolet radiation on spontaneous tumors in NMRI mice (author's transl)] Königsmann G, et al. **Strahlentherapie** 1981 Dec;157(12):822-6 (Eng. Abstr.) **(Ger)**

[The influence of chronic exposure of the skin of NMRI*-mice (author's transl)] Bocionek P, et al. **Z Hautkr** 1981 Nov 1;56(21):1403-11 (Eng. Abstr.) **(Ger)**

[The influence of acetylosalicyclic acid on the cutaneous effect of UV-A (author's transl)] Jablonski KP, et al. **Z Hautkr** 1981 Nov 15;56(22):1437-46 (Eng. Abstr.) **(Ger)**

[A photosensitive disease with a defect in the recovery of DNA synthesis after UV irradiation (author's transl)] Ichihashi M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jun; 91(7):751-7 **(Jpn)**

[Role of Prostaglandin E2 and F2 alpha in UVB-induced erythema (author's transl)] Nagayo K. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):645-52 **(Jpn)**

[Experimental device for simultaneous dynamic dosing of pesticide aerosols of specific dispersities, exposure to high temperatures and a particular dose of ultraviolet radiation] Sapegin DI, et al. **Gig Tr Prof Zabol** 1982 Mar;(3):47-9 **(Rus)**

[Skin diseases in electric welders] Tsyrkunov LP. **Vestn Dermatol Venerol** 1981;(10):40-3 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Detection of Pseudomonas aeruginosa eye infections by ultraviolet light. Weiss JN, et al. **Ann Ophthalmol** 1982 Mar; 14(3):242-4

The polymorphic phototest reaction. Jansén C. **Arch Dermatol** 1982 Sep;118(9):638-42

A portable, economical ultraviolet lamp. Stubbs RH, et al. **Br J Plast Surg** 1981 Jul;34(3):271

Computer programming for nucleic acid studies. III. Calculated ultraviolet absorption spectra of protected oligodeoxyribonucleotides. Kan L, et al. **Comput Programs Biomed** 1981 Sep-Dec;13(3-4):185-90

Polymorphous light eruption. Experimental reproduction of skin lesions. Hölzle E, et al. **J Am Acad Dermatol** 1982 Jul;7(1):111-25

Horner's syndrome and the ultraviolet light as an aid in its detection. Brumberg JB. **J Am Optom Assoc** 1981 Aug; 52(8):641-6

Evaluation of a diagnostic test based on photographic photometry in infrared and ultraviolet radiation reflected by pigmented lesions of skin. Marshall RJ. **J Audiov Media Med** 1980 Jul;3(3):94-8

Infrared and ultraviolet reflectance measurement as an aid to the diagnosis of pigmented lesions of skin. Marshall RJ. **J Audiov Media Med** 1981 Jan;4(1):11-4

Ultraviolet photography in detecting 'latent' halos of pigmented lesions. Marshall RJ. **J Audiov Media Med** 1981 Oct;4(4):127-9

A television method for measuring infrared and ultraviolet reflectances of pigmented lesions. Marshall RJ. **J Audiov Media Med** 1982 Apr;5(2):51-5

Qualitative measurement of cerebral infarction using ultraviolet fluorescence. Laurent JP, et al. **Surg Neurol** 1982 May;17(5):320-4

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see related
PHOTOCHEMOTHERAPY

Influence of ultraviolet light on itch and flare reactions in human skin induced by histamine and the histamine liberator compound 48/80. Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):137-40

The effects of ultra-violet laser radiation on cancer. Wei XB, et al. **Acupunct Electrother Res** 1982;7(1):27-38

Ultraviolet A (UV-A) and cholestatic pruritus [letter] Person JR. **Arch Dermatol** 1981 Nov;117(11):684

UV-B doses received during different outdoor activities and UV-B treatment of psoriasis. Diffey BL, et al. **Br J Dermatol** 1982 Jan;106(1):33-41

An assessment of the effect of photochemotherapy (PUVA) and UV-B phototherapy in the treatment of psoriasis. Kenicer KJ, et al. **Br J Dermatol** 1981 Dec;105(6):629-39

UV-B phototherapy in the prophylaxis of polymorphous light eruption. Morison WL, et al. **Br J Dermatol** 1982 Feb;106(2):231-3

Impaired contact hypersensitivity in untreated psoriasis and the effects of photochemotherapy and dithranol/UV-B. Moss C, et al. **Br J Dermatol** 1981 Nov;105(5):503-8

Failure of periodic ultraviolet radiation treatments to prevent sensitization to nitrogen mustard: a case report. Vega FA, et al. **Br J Dermatol** 1982 Mar;106(3):361-6

Successful desensitization in case of solar urticaria with sensitivity to UVA and positive passive transfer test. Wolska H, et al. **Derm Beruf Umwelt** 1982;30(3):84–6
Mutagenicity of urine from psoriatic patients undergoing treatment with coal tar and ultraviolet light. Wheeler LA, et al. **J Invest Dermatol** 1981 Aug;77(2):181–5
Phototherapy for psoriasis. **Med Lett Drugs Ther** 1982 Aug 6;24(615):72–4
Vitamin-D synthesis and metabolism after ultraviolet irradiation of normal and vitamin-D-deficient subjects. Adams JS, et al. **N Engl J Med** 1982 Mar 25;306(12):722–5
The pattern of bilirubin response to phototherapy for neonatal hyperbilirubinaemia. Tan KL. **Pediatr Res** 1982 Aug;16(8):670–4
Ultraviolet phototherapy of psoriasis. Parrish JA. **Pharmacol Ther** 1981;15(2):313–20 (55 ref.)
Commercially available sun lamps and vitamin D formation. Devgun MS, et al. **Postgrad Med J** 1981 Mar; 57(665):159–63
[Clinical results of SHIP (specific high-intensity phototherapy) therapy in psoriasis] Kluge K, et al. **Dermatol Monatsschr** 1982 Apr;168(4):226–32 (Eng. Abstr.) **(Ger)**
[The principles of SHIP (specific high-intensity phototherapy) in psoriasis] Lang H. **Dermatol Monatsschr** 1982 Apr;168(4):218–25 (Eng. Abstr.) **(Ger)**
[Combined 1-hour therapy of psoriasis using anthralin and UV light] Schauder S, et al. **Hautarzt** 1982 Apr;33(4):206–9 (Eng. Abstr.) **(Ger)**
[One-hour-treatment of psoriasis with anthralin and UV-light (author's transl)] Schauder S, et al. **Z Hautkr** 1982 Jun 15;57(12):861–6 (Eng. Abstr.) **(Ger)**
[The effect of ultraviolet light supplemented by riboflavin (vitamin B2) in the therapy of pathologic neonatal jaundice] Pataki L, et al. **Orv Hetil** 1982 Jan 17;123(3):155–8 **(Hun)**
[Role of an increased number of cytoproteins in the effect of enhancing the ultraviolet fluorescence of irradiated Ehrlich ascitic carcinoma cells] Sungurov AIu. **Radiobiologiia** 1981;21(4):581–3 (Eng. Abstr.) **(Rus)**
[Combined use of sulfamonomethoxine and UV irradiation in chronic pneumonia] Matveeva SA. **Sov Med** 1981; (12):85–7 **(Rus)**
[Treatment of face and neck phlegmon by the reinfusion of UV-irradiated blood] Karandashov VI, et al. **Stomatologiia (Mosk)** 1982 May-Jun;61(3):41–2 (Eng. Abstr.) **(Rus)**
[Correction of rheologic disorders by ultraviolet irradiation of blood] Savel'ev VS, et al. **Vestn Akad Med Nauk SSSR** 1981;(10):72–4 (Eng. Abstr.) **(Rus)**
[Effect of ultraviolet laser radiation on long-term nonhealing wounds] Nemtsev IZ, et al. **Vestn Khir** 1982 Jan;128(1):95–8 **(Rus)**
[Effectiveness of the UV irradiation of printing industry wor'ers at a sanatorium-preventorium] Kareva VA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar-Apr; (2):60–1 **(Rus)**

ADVERSE EFFECTS

Methotrexate and ultraviolet radiation. Armstrong RB, et al. **Arch Dermatol** 1982 Mar;118(3):177–8
Erythema resulting from suberythemogenic doses of ultraviolet radiation and methotrexate. LeVine MJ. **Arch Dermatol** 1981 Oct;117(10):656–8
PUVA-induced UVB-tumor susceptibility [letter] Roberts LK, et al. **J Invest Dermatol** 1982 Jul;79(1):63
[Surgical problems resulting from actinotherapy (author's transl)] Spechter HJ. **Langenbecks Arch Chir** 1981; 355:193–7 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Attachment for mercury quartz lamps for irradiating paired ENT organs] Sorokin LI, et al. **Voen Med Zh** 1981 Aug; (8):68–9 **(Rus)**

METHODS

Outpatient phototherapy for psoriasis. Adrian RM, et al. **Arch Dermatol** 1981 Oct;117(10):623–6
Comparison of once-daily and twice-daily ultraviolet radiation treatments in psoriasis. Petrozzi JW, et al. **Arch Dermatol** 1981 Nov;117(11):695–7
Home ultraviolet phototherapy of early mycosis fungoides: preliminary observations. Milstein HJ, et al. **J Am Acad Dermatol** 1982 Mar;6(3):355–62
[Selective ultraviolet-phototherapy (SUP) in psoriasis, especially in exanthematic eruptions (author's transl)] Pinzer B, et al. **Dermatol Monatsschr** 1981 May; 167(5):293–7 (Eng. Abstr.) **(Ger)**
[Infrared and ultraviolet rays. Use in general practice] Gehrke A. **ZFA (Stuttgart)** 1981 Dec 20;57(35-36):2418–24 **(Ger)**
[Reinfusion of ultraviolet-irradiate blood in the treatment of chronic arterial insufficiency] Natsvilishvili GA, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):57–9 **(Rus)**

UMBELLIFERONES

Binding of 4-methylumbelliferyl-galactosides to peanut agglutinin. Decastel M, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):638–43
Binding kinetics of methyl alpha-D-mannopyranoside to concanavalin A: temperature-jump relaxation study with 4-methylumbelliferyl alpha-D-mannopyranoside as a fluorescence indicator ligand. Clegg RM, et al. **Biochemistry** 1981 Aug 4;20(16):4687–92
Binding of two molecules of 4-methylumbelliferyl galactose or 4-methylumbelliferyl N-acetylgalactosamine to the B chains of ricin and Ricinus communis agglutinin and to purified ricin B chain. Houston LL, et al. **J Biol Chem** 1982 Apr 25;257(8):4147–51
Comparison of the substrate 4-methylumbelliferyl-alpha-l-iduronide with phenyl-alpha-L-iduronide for the diagnosis of Hurler's disease in cultured cells. Butterworth J, et al. **J Inherited Metab Dis** 1980;2(3):71–4
Fluoroimmunoassay of 5alpha-dihydrotestosterone. Exley D, et al. **J Steroid Biochem** 1981 Dec;14(12):1297–302

ADVERSE EFFECTS

Laryngeal paralysis in Arabian foals associated with oral haloxon administration. Rose RJ, et al. **Equine Vet J** 1981 Jul;13(3):171–6

ANALYSIS

Occurrence of umbelliferone in the seeds of Dipteryx odorata (Aubl.) Willd. Sullivan G. **J Agric Food Chem** 1982 May-Jun;30(3):609–10
[Quantitative determination of aesculin and aesculetin in Qin-Pi (Cortex fraxini) by TLC-UV spectrophotometric method (author's transl)] Zeng MY. **Chung Yao Tung Pao** 1982 Jan;7(1):26–9 **(Chi)**

CHEMICAL SYNTHESIS

Preparation, properties, and uses of two fluorogenic substrates for the detection of 5'-(venom) and 3'-(spleen) nucleotide phosphodiesterases. Hawley DM, et al. **Anal Biochem** 1981 Oct;117(1):18–23
4-Methylumbelliferyl 2-acetamido-2-deoxy-alpha-D-glucopyranoside, a fluorogenic substrate for N-acetyl-alpha-D-glucosaminidase. Chow P, et al. **Carbohydr Res** 1981 Oct 1;96(1):87–93

DIAGNOSTIC USE

Determination of serum acid and alkaline phosphatase using 4-methylumbelliferyl phosphate. Omene JA, et al. **Afr J Med Med Sci** 1981 Mar-Jun;10(1-2):9–18
A fluorogenic method for the demonstration of human serum 5'-nucleotide phosphodiesterase isozymes after polyacrylamide gel electrophoresis. Lo KW, et al. **Anal Biochem** 1981 Oct;117(1):24–7
Miniaturization of beta-galactosidase immunoassays using chromogenic and fluorogenic substrates. Labrousse H, et al. **J Immunol Methods** 1982;48(2):133–47
False-negative results with methylumbelliferylguanidinobenzoate reactive proteases in cystic fibrosis pregnancies [letter] Schwartz M, et al. **Lancet** 1981 Nov 28;2(8257):1226

METABOLISM

Studies on 3-chloro-4-methyl-(4-14C)-7-hydroxycoumarin in rats. Malik JK, et al. **Adv Exp Med Biol** 1981;136 Pt A:839–46
Biotransformation and disposition of the coumaphos metabolite 3-chloro-4-methyl-(4-14C)-7-hydroxycoumarin in rats. Malik JK, et al. **Arch Toxicol** 1981 Aug;48(1):51–9
The stability and aggregation properties of human liver acid beta-D-galactosidase. Heyworth CM, et al. **Biochem J** 1981 Mar 1;193(3):773–9
Complex kinetics of bis(4-methylumbelliferyl)phosphate and hexadecanoyl(nitrophenyl)phosphorylcholine hydrolysis by purified sphingomyelinase in the presence of Triton X-100. Jones CS, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):261–8
Hydrolysis of triolein, cholesterol oleate, and 4-methylumbelliferyl stearate by acid and neutral ester hydrolases (lipases) from pigeon adipose tissue: effect of cAMP-dependent protein kinase. Severson DL, et al. **Can J Biochem** 1981 Jun;59(6):418–29
Hydrolysis of 4-methylumbelliferyl N-acetyl-chitooligosaccharides catalyzed by human lysozyme. Yang Y, et al. **J Biochem (Tokyo)** 1981 May; 89(5):1357–66
Acceleration of 7-[methoxy-14C]coumarin-derived carbon dioxide exhalation by cobalt pretreatment in mice. Legrum W, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):790–4
4-methylumbelliferylguanidinobenzoate reactive plasma 'protease' in cystic fibrosis is albumin [letter] Branchini BR, et al. **Lancet** 1982 Mar 13;1(8272):618–9

PHARMACODYNAMICS

Effect of 4-methylumbelliferyl-beta-d-xyloside on collagen synthesis in chick limb bud mesenchymal cell cultures. von der Mark K, et al. **Dev Biol** 1982 Mar;90(1):24–30
Fluid and glycosaminoglycan excretion by chick embryos treated with a beta-D-xyloside. Segen BJ, et al. **Teratology** 1982 Feb;25(1):89–94
[Influence of 4-methylesculetol on the response of segments of isolated coronary arteries to adrenaline, in presence of pyrogallol] Bettini V, et al. **Acta Vitaminol Enzymol** 1981; 3(4):236–43 (Eng. Abstr.) **(Ita)**
[Effect of prostaglandin-synthetase inhibitors on responses of segments of coronary arteries to 4-methylesculetol and/or to angiotensin II] Bettini V, et al. **Acta Vitaminol Enzymol** 1981;3(4):244–52 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Haloxon: critical tests of antiparasitic activity in equids. Lyons ET, et al. **Am J Vet Res** 1981 Jun;42(6):1043–5
[Clinical observations on the therapeutic activity of the preparation mendiaxon in diseases of the biliary tract] Ivanov S, et al. **Vutr Boles** 1982;21(3):17–21 (Eng. Abstr.) **(Bul)**

TOXICITY

Development of the biochemical and morphological changes induced by administration of a beta-xyloside to chick embryos. Kanke Y, et al. **Teratology** 1982 Feb;25(1):81–8

UMBILICAL ARTERIES

The risks of umbilical vessel catheterization in a neonatal intensive care unit. Omene JA, et al. **Afr J Med Med Sci** 1979 Sep-Dec;8(3-4):115–23
Sonographic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **AJR** 1982 Jun;138(6):1025–32
Pseudoaneurysm of the thoracic aorta: a late complication of umbilical artery catheterization. Wynn ML, et al. **Ann Thorac Surg** 1982 Aug;34(2):186–91
Infantile aortic aneurysm complicating umbilical arterial catheterisation. Colclough AB, et al. **Arch Dis Child** 1981 Oct;56(10):795–7
System for umbilical artery monitoring. Gardner RM, et al. **Crit Care Med** 1982 Jul;10(7):456–8
Semiquantitative cultures and routine tip cultures on umbilical catheters. Adam RD, et al. **J Pediatr** 1982 Jan; 100(1):123–6
Management of major thromboembolic complications of umbilical artery catheters. O'Neill JA Jr, et al. **J Pediatr Surg** 1981 Dec;16(6):972–8
Ultrasound positioning of umbilical arterial catheters [letter] Houston AB, et al. **Lancet** 1982 Oct 2;2(8301):759
Umbilical vascular catheters: localization by two-dimensional echocardio/aortography. George L, et al. **Pediatr Cardiol** 1982;2(3):237–43
Ultrasonic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **Radiology** 1982 Mar;142(3):781–2

ABNORMALITIES

Umbilical artery sinus. Rare cause of umbilical drainage. Mackie GG, et al. **Urology** 1982 Apr;19(4):414–5
[Compression of the pelvic ureter by a vascular obstacle. Case report] Stigliani V. **Minerva Urol** 1981 Oct-Dec; 33(4):277–80 (Eng. Abstr.) **(Ita)**
[The newborn infant with a single umbilical artery and other associated anomalies] Zivković S, et al. **Srp Arh Celok Lek** 1981 Apr;109(4):569–75 **(Scc)**

ANATOMY & HISTOLOGY

[Macroscopical and histological studies on the spontaneous dividing area in umbilical blood vessels of cattle (author's transl)] Tsumura I, et al. **Nippon Juigaku Zasshi** 1981 Oct; 43(5):715–23 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Smooth muscle effects of lidocaine, prilocaine, bupivacaine and etiodocaine on the human umbilical artery. Tuvemo T, et al. **Acta Anaesthesiol Scand** 1982 Apr;26(2):104–7
Regulation of prostacyclin and thromboxane production by human umbilical vessels: the effect of estradiol and progesterone in a superfusion model. Mäkilä UM, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):115–24

ENZYMOLOGY

Kinetics of prostacyclin synthetase in umbilical artery microsomes from normal and pre-eclamptic pregnancies. Downing I, et al. **Br J Clin Pharmacol** 1982 Feb;13(2):195–8
Induction of angiotensin I-converting enzyme by captopril in cultured human endothelial cells. Fyhrquist F, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):783–6

INJURIES

Umbilical vessel trauma: a potentially fatal complication of amniocentesis. Painter CJ, et al. **J Tenn Med Assoc** 1982 Mar;75(3):182–3
[Vasa praevia] Bennebroek Gravenhorst J, et al. **Ned Tijdschr Geneeskd** 1982 Mar 20;126(12):505–7 **(Dut)**

METABOLISM

Reduced prostacyclin production by cultured endothelial cells from umbilical arteries of babies born to women who smoke [letter] Busacca M, et al. **Lancet** 1982 Sep 11; 2(8298):609–10
Effect of homocysteine and homocystine on platelet and vascular arachidonic acid metabolism. Graeber JE, et al. **Pediatr Res** 1982 Jun;16(6):490–3

Human umbilical blood vessel converts all cis-5, 8, 11, 14, 17 eicosapentaenoic acid to prostaglandin I3. Dyerberg J, et al. **Prostaglandins** 1981 Dec;22(6):857-62

PATHOLOGY

[Scanning electron microscopic studies of the umbilical arteries and veins of newborn infants of smoking mothers] Giacchi M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15; 57(21):2191-5 (Eng. Abstr.) **(Ita)**

[Morphology of umbilical sepsis under present-day conditions] Ivanovskaia TE, et al. **Pediatriia** 1981 Sep; (9):5-8 **(Rus)**

PHYSIOLOGY

Aortic thrombosis after umbilical artery catheterization. Flanigan DP, et al. **Arch Surg** 1982 Mar;117(3):371-4

A comparative study of the relaxing effect of nitroprusside and verapamil on human umbilical vessels. Ozaki H, et al. **Blood Vessels** 1981;18(6):321-9

RADIOGRAPHY

Sirenomelia. Angiographic demonstration of vascular anomalies. Talamo TS, et al. **Arch Pathol Lab Med** 1982 Jul;106(7):347-8

SURGERY

Mycotic aneurysm in infancy: a complication of umbilical artery catheterization. Wind ES, et al. **J Pediatr Surg** 1982 Jun;17(3):324-5

UMBILICAL CORD

Management of labor with umbilical cord prolapse. Katz Z, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):239-41

Antenatal sonographic diagnosis of umbilical cord laceration. Romero R, et al. **Am J Obstet Gynecol** 1982 Jul 15; 143(6):719-20

Percutaneous absorption of chlorhexidine in neonatal cord care. Aggett PJ, et al. **Arch Dis Child** 1981 Nov; 56(11):878-80

Recurrent infections and delayed separation of the umbilical cord in an infant with abnormal phagocytic cell locomotion and oxidative response during particle phagocytosis. Abramson JS, et al. **J Pediatr** 1981 Dec;99(6):887-94

Vasa previa. Case report, review and presentation of a new diagnostic method. VanDrie DM, et al. **J Reprod Med** 1981 Nov;26(11):577-80

Ultrasonic diagnosis of nuchal encirclement by the umbilical cord: a case and methodological report. Jouppila P, et al. **JCU** 1982 Feb;10(2):59-62

Ultrasound demonstration of masses in a 15 week fetus: hydrops in a fetus with umbilical cord occlusion. Shenker L, et al. **Prenatal Diagn** 1981 Jul;1(3):217-21

[Detection of umbilical coils around the fetal neck by Doppler's ultrasound technic (report of 112 cases) (author's transl)] Qian ZL. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):31 **(Chi)**

[Vasa praevia] Børlum KG, et al. **Ugeskr Laeger** 1981 Nov 23;143(48):3231-2 (Eng. Abstr.) **(Dan)**

[IgG plasma levels in early and late cord clamping (author's transl)] Alexiou D, et al. **Monatsschr Kinderheilkd** 1982 Feb;130(2):98 (Eng. Abstr.) **(Ger)**

[Possibility for treating umbilical cord prolapse - case report] Gauwerky J, et al. **Z Geburtshife Perinatol** 1982 Apr-May; 186(2):108-10 **(Ger)**

[Personal observations and lymphographic aspects of a particular case of ossified lymphedema secondary to constriction by the umbilical cord] Accarpio G, et al. **Arch E Maragliano Patol Clin** 1978;34(2):229-30 **(Ita)**

[Accuracy of the diagnosis of umbilical cord pathology as measured by the amplitude of fetal phonocardiogram] Demidov VN, et al. **Akush Ginekol (Mosk)** 1982 Jan; (1):12-4 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Cord length and complications [letter] Fribourg S. **Obstet Gynecol** 1981 Oct;58(4):533

BLOOD SUPPLY

Sinusoidal fetal heart rate pattern with vasa previa in twin pregnancy. Antoine C, et al. **J Reprod Med** 1982 May; 27(5):295-300

Vascular and renal distribution of HLA--DR-like antigens. Scott H, et al. **Tissue Antigens** 1981 Sep;18(3):195-202

[Accessory blood vessels of the umbilical cord in the third trimester of physiological pregnancy] Krawczuk-Rybakowa M, et al. **Rocz Akad Med Bialymstoku** 1980;25:163-73 (21 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Detection of AB antigens on human endothelial cells derived from umbilical cord by measurement of 14C adenine uptake. Wautier JL, et al. **Rev Fr Transfus Immunohematol** 1981 Jun;24(3):273-9

INNERVATION

Some aspects of the innervation of the abdominal and pelvic organs in the human female fetus. Baljet B, et al. **Acta Anat (Basel)** 1982;111(3):222-30

[Autonomic innervation of the umbilical cord at the end of 3d trimester of pregnancy] Krawczur-Rybakowa M, et al. **Ginekol Pol** 1981 Jan;52(1):1-7 (Eng. Abstr.) **(Pol)**

METABOLISM

Effects of gastric nutritional supplementation on fetal umbilical uptake of nutrients. Charlton VE, et al. **Am J Physiol** 1981 Sep;241(3):E178-85

MICROBIOLOGY

Nonfermentative gram-negative bacilli encountered in specimens of obstetric patients: characterization, antibiotic sensitivity and clinical significance. Chen MS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):78-91

Effect of triple dye cord care on bacterial colonization in newborn infants. Kumar A, et al. **Ohio State Med J** 1981 Nov;77(11):667-9

PATHOLOGY

Constriction of the umbilical cord by an amniotic band after midtrimester amniocentesis. Ashkenazy M, et al. **Acta Obstet Gynecol Scand** 1982;61(1):89-91

Umbilical-cord torsion, thrombosis, and intrauterine death of a twin fetus [letter] Colgan TJ, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):101

Ultrasonographic findings of normal and pathologic placenta and umbilical cord. Yiu-Chiu V, et al. **CT** 1981 Jun; 5(2):136-85

Pathology of the placenta, membranes, and umbilical cord in bacterial, fungal, and viral infections in man. Blanc WA. **Monogr Pathol** 1981;(22):67-132 (106 ref.)

Umbilical cord length as an index of fetal activity: experimental study and clinical implications. Moessinger AC, et al. **Pediatr Res** 1982 Feb;16(2):109-12

PHYSIOLOGY

Umbilical care and cord separation. Arad I, et al. **Arch Dis Child** 1981 Nov;56(11):887-8

[Optimal times for tying off the umbilical cord of the newborn infant] Zubovich VK, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):16-8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Unusual antenatal diagnosis of cord entanglement [letter] Hofmeyer GJ, et al. **S Afr Med J** 1982 Sep 11;62(12):389-90

SURGERY

Variations in position and timing of umbilical cord ligation at caesarean section and blood volume of infants--a preliminary report. Adeleye JA, et al. **East Afr Med J** 1981 Dec;58(12):949-52

Neonatal adaptation: sympatho-adrenal response to umbilical cord cutting. Padbury JF, et al. **Pediatr Res** 1981 Dec; 15(12):1483-7

[Clamped umbilical cord. Effect on the puerperium and the newborn's hematocrit] Schindler AE, et al. **Fortschr Med** 1981 Nov 26;99(44):1849-51 (Eng. Abstr.) **(Ger)**

[Cord clamping at birth - considerations for choosing the right time (author's transl)] Künzel W. **Z Geburtshife Perinatol** 1982 Apr-May;186(2):59-64 (Eng. Abstr.) **(Ger)**

UMBILICAL CORD BLOOD see **FETAL BLOOD**

UMBILICAL CYST see **URACHAL CYST**

UMBILICAL HERNIA see **HERNIA, UMBILICAL**

UMBILICAL VEINS

The risks of umbilical vessel catheterization in a neonatal intensive care unit. Omene JA, et al. **Afr J Med Med Sci** 1979 Sep-Dec;8(3-4):115-23

Sonographic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **AJR** 1982 Jun;138(6):1025-32

Semiquantitative cultures and routine tip cultures on umbilical catheters. Adam RD, et al. **J Pediatr** 1982 Jan; 100(1):1, 3-6

Umbilical vessel catheters. Allaway AJ, et al. **J R Coll Surg Edinb** 1982 May;27(3):174-80

Catheter tip localization during umbilical venous exchange transfusion and necrotizing enterocolitis. Thangavel M, et al. **Pediatrics** 1982 Jun;69(6):799-800

Umbilical haemorrhage--an unusual complication of cirrhosis. Douglas JG. **Postgrad Med J** 1981 Jul; 57(669):461-2

Ultrasonic localization of neonatal umbilical catheters. Oppenheimer DA, et al. **Radiology** 1982 Mar;142(3):781-2

[The transumbilical approach in the cardiologic diagnosis of newborn infants - pros and cons] Vyhnálek J, et al. **Cesk Pediatr** 1981 Sep;36(9):533-5 (Eng. Abstr.) **(Cze)**

[Pulmonary infarct following umbilical vein catheterization (apropos of 3 cases)] Bourgeois J, et al. **Pediatrie** 1981 Dec; 36(8):631-8 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

[Macroscopical and histological studies on the spontaneous dividing area in umbilical blood vessels of cattle (author's transl)] Tsumura I, et al. **Nippon Juigaku Zasshi** 1981 Oct; 43(5):715-23 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Characterization and properties of cultured human von Willebrand umbilical vein endothelial cells. Booyse FM, et al. **Blood** 1981 Oct;58(4):788-96

Human endothelial cell proliferation inhibiting activity in the sera of patients suffering from 'shock' or 'sepsis'. Schöffel U, et al. **Eur J Clin Invest** 1982 Apr;12(2):165-71

The effect of dexamethasone on formation of intra and extracellular fibronectin matrix by human endothelial cells in culture. Piovella F, et al. **Haematologica (Pavia)** 1982 Feb;67(1):58-63

Serial propagation of human endothelial cells in vitro. Maciag T, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):420-6

[Primary culture of endothelial cells from the human umbilical vein: identification and characteristics of a growing and confluent culture] Antonov AS, et al. **Tsitologiia** 1981 Oct;23(10):1154-60 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Regulation of prostacyclin and thromboxane production by human umbilical vessels: the effect of estradiol and progesterone in a superfusion model. Mäkilä UM, et al. **Prostaglandins Leukotrienes Med** 1982 Feb;8(2):115-24

EMBRYOLOGY

Ultrasonic evaluation of fetal umbilical and hepatic vascular anatomy. Chinn DH, et al. **Radiology** 1982 Jul;144(1):153-7

IMMUNOLOGY

Thrombin-mediated release of factor VIII antigen from human umbilical vein endothelial cells in culture. Levine JD, et al. **Blood** 1982 Aug;60(2):531-4

Identification of cytoskeletal intermediate filaments of vascular endothelial cells as targets for autoantibodies in patient sera. Linder E, et al. **Clin Immunol Immunopathol** 1981 Nov;21(2):217-27

Endothelial cell presentation of antigen to human T cells. Burger DR, et al. **Hum Immunol** 1981 Nov;3(3):209-30

INJURIES

[Vasa praevia] Bennebroek Gravenhorst J, et al. **Ned Tijdschr Geneeskd** 1982 Mar 20;126(12):505-7 **(Dut)**

METABOLISM

Modulation of erythrocyte-endothelial interactions and the vasocclusive severity of sickling disorders. Hebbel RP, et al. **Blood** 1981 Nov;58(5):947-52

Cyclic AMP: a potent inhibitor of DNA synthesis in cultured arterial endothelial and smooth muscle cells. Stout RW. **Diabetologia** 1982 Jan;22(1):51-5

Partial characterization of a fibrinolytic inhibitor produced by cultured endothelial cells derived from human umbilical vein. Esnard F, et al. **Thromb Haemost** 1982 Apr 30; 47(2):128-31

PATHOLOGY

Dilation of the fetal umbilical vein in rhesus hemolytic anemia: a predictor of severe disease. DeVore GR, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):464-6

[Scanning electron microscopic studies of the umbilical arteries and veins of newborn infants of smoking mothers] Giacchi M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15; 57(21):2191-5 (Eng. Abstr.) **(Ita)**

[Morphology of umbilical sepsis under present-day conditions] Ivanovskaia TE, et al. **Pediatriia** 1981 Sep; (9):5-8 **(Rus)**

PHYSIOLOGY

Selective distribution of microspheres injected into the umbilical veins and inferior venae cavae of fetal sheep. Reuss ML, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):427-32

A comparative study of the relaxing effect of nitroprusside and verapamil on human umbilical vessels. Ozaki H, et al. **Blood Vessels** 1981;18(6):321-9

Microcarrier cultures in vascular endothelial research. Davies PF. **Dev Biol Stand** 1981;50:125-36

Thrombin - endothelial cell interactions: critical importance of endothelial cell vessel of origin. Goldsmith JC, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):131-6

PHYSIOPATHOLOGY

Effects of hemorrhage on umbilical venous return and oxygen delivery in fetal lambs. Itskovitz J, et al. **Am J Physiol** 1982 Apr;242(4):H543-8

RADIONUCLIDE IMAGING

Umbilical vein demonstration during liver imaging of a cirrhotic patient. Rogers CA, et al. **Clin Nucl Med** 1982 Jun;7(6):280-1

SECRETION

Endothelial cells from umbilical vein and a hemangioendothelioma secrete basement membrane largely to the exclusion of interstitial procollagens. Sage H, et al. **Arteriosclerosis** 1982 Jan–Feb;2(1):27–36

TRANSPLANTATION

Umbilical vein grafts and PTFE grafts for femoro–popliteal bypass. Preliminary results. Aamold J, et al. **Acta Chir Scand** 1981;147(2):121–3
Umbilical vein for aortocoronary bypass. Silver GM, et al. **Angiology** 1982 Jul;33(7):450–3
Human umbilical cord vein as arterial substitute in the dog. Karvonen E, et al. **Ann Chir Gynaecol** 1981;70(2):61–4
Rinse procedure simplifies graft preparation. Kukich E. **AORN J** 1982 Apr;35(5):899–902
Modified human umbilical vein arteriovenous fistula for maintenance hemodialysis: a 31/2–year experience. Rubio PA, et al. **Arch Surg** 1982 Jul;117(7):943–5
Umbilical vein graft for lower limb ischaemia. Thomas M, et al. **J R Soc Med** 1982 Apr;75(4):228–30
Morphologic and biophysical assessment of long term human umbilical cord vein implants used as vascular conduits. Dardik H, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):17–26
Technique of femoropopliteal and femorotibial grafts using umbilical vein. Hirsch SA, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):246–9
Use of modified human umbilical vein in arterial reconstructive procedures. Lee BY, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):222–4
Scanning electron microscopy evaluation of porous and nonporous arterial substitutes. Ratto GB, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):358–62
Aneurysm formation in human umbilical vein grafts. Giordano JM, et al. **Surgery** 1982 Mar;91(3):343–5
[Human umbilical cord as a vascular prosthesis? (author's transl)] Metz L, et al. **Zentralbl Chir** 1982;107(8):448–52 **(Ger)**
[Use of the human umbilical vein as arterial graft] de Araújo JD, et al. **AMB** 1981 Apr;27(4):116–8 (Eng. Abstr.) **(Por)**
[Comparative analysis of the biomechanical properties of human umbilical vein grafts and of the main major arteries] Pokrovskiĭ AV, et al. **Klin Khir** 1981 Jul;(7):15–7 **(Rus)**
[Clinicopathological assessment of the human umbilical vein as a vascular graft] Barinova VS, et al. **Vestn Khir** 1982 May;128(5):111–4 **(Rus)**

UMBILICUS

Metastatic Crohn's disease of the umbilicus. Phillips RK, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):887
Umbilical deposits from internal malignancy (the Sister Joseph's nodule). Sharaki M, et al. **Clin Oncol** 1981 Dec; 7(4):351–5
Pelvic and umbilical endometriosis presenting with hemorrhagic pleural effusion: a case report. Charles SX. **Int Surg** 1981 Jul–Sep;66(3):277–8
Vitelline duct remnant appearing as a hemorrhagic umbilical mass. Chiang LS. **JAMA** 1982 May 28;247(20):2812–3
A young gastric carcinoma patient with umbilical and scrotal metastasis. Miwa M, et al. **Tokai J Exp Clin Med** 1981 Jul;6(3):305–8
[Umbilical endometriosis] Merrild U, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):159 (Eng. Abstr.) **(Dan)**
[Echographic visualisation of the umbilical vesicle and the amniotic membrane (author's transl)] Salvetti A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(6):549–53 (Eng. Abstr.) **(Fre)**
[Rare localization of so–called 'external endometriosis' (intestinal, inguinal umbilical, cicatricial)] Astore L. **Arch De Vecchi Anat Patol** 1980;64(1):19–58 (327 ref.) **(Ita)**
[Congenital intestinal fistulae of the umbilicus in children] Misharev OS, et al. **Vestn Khir** 1981 Jul;127(7):89–91 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Simultaneous measurements of lactate turnover rate and umbilical lactate uptake in the fetal lamb. Sparks JW, et al. **J Clin Invest** 1982 Jul;70(1):179–92

MICROBIOLOGY

Bacillus cereus cross–infection in a maternity–unit. Birch BR, et al. **J Hosp Infect** 1981 Dec;2(4):349–54
Numbers of Brucella abortus in the placenta, umbilicus and fetal fluid of two naturally infected cows. Alexander B, et al. **Vet Rec** 1981 Jun 6;108(23):500

PATHOLOGY

Accelerations in 'intra–partum' cardiotocographic record. IV. Correlation with the presence of a funiculus pathology. Luerti M, et al. **Clin Exp Obstet Gynecol** 1981;8(1):31–3

SURGERY

Umbilical core–out operation for a completely patent vitelline duct. Asano S, et al. **Z Kinderchir** 1981 Jan;32(1):90–4
[Abdominoplasties. Personal technic for reconstruction of the umbilicus. Transfer of the scar to below the umbilicus] Caravel JB. **Ann Chir Plast** 1981;26(3):289–92 (Eng. Abstr.) **(Fre)**

UNCINARIA DUODENALE see ANCYLOSTOMA

UNCINARIA STENOCEPHALA see HOOKWORMS

UNCONSCIOUS (PSYCHOLOGY)

Unconscious and conscious processes during visual perception. Radil T, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(6):565–72
The unconscious and hypnosis. Chertok L. **Int J Clin Exp Hypn** 1982 Apr;30(2):95–107
Referring to the unconscious: a philosophical critique of Schafer's action language. Anscombe R. **Int J Psychoanal** 1981;62(Pt 2):225–41
G. & R. Blanck on 'Modes of cure' [letter] Blanck G, et al. **Int J Psychoanal** 1982;63(1):87
Infinite experiences, affects and the characteristics of the unconscious. Rayner E. **Int J Psychoanal** 1981;62(Pt 4):403–12
Hypochondriacal symptoms as derivatives of unconscious fantasies of being beaten or tortured. Broden AR, et al. **J Am Psychoanal Assoc** 1981;29(3):535–57
The 'subliminal' versus the 'subconscious' in the American acceptance of psychoanalysis, 1906–1910. Powell RC. **J Hist Behav Sci** 1979 Apr;15(2):155–65
The role of unconscious homosexuality in the paranoid constellation. Frosch J. **Psychoanal Q** 1981;50(4):587–613
The fate of the unconscious in the human sciences. Gabriel Y. **Psychoanal Q** 1982 Apr;51(2):246–83
Female self representation and the unconscious: a reply to Amy Galen. Waites EA. **Psychoanal Rev** 1982 Spring; 69(1):29–42
[Unconscious relation to the parental nucleus in disturbed children] Bour P. **Ann Med Psychol (Paris)** 1981 May; 139(5):560–5 **(Fre)**
[The Madonna–subconscious (author's transl)] Staehelin B. **Praxis** 1982 May 18;71(20):881–6 (Eng. Abstr.) **(Ger)**
[The unconscious and the emotions] Brauneck AE. **Psyche (Stuttg)** 1981 Nov;35(11):1034–54 (Eng. Abstr.) **(Ger)**
[Plunge into the unconscious. Construction of dreams and day dreams in Arno Schmidt's novel, 'Kaff auch mare Crisium' (1960)] Drews J. **Psyche (Stuttg)** 1981 Dec; 35(12):1103–21 **(Ger)**
[Freud's fantasies of grandeur, his concept of the unconscious, and Viennese decadence] Erdheim M. **Psyche (Stuttg)** 1981 Nov;35(11):1006–33 (Eng. Abstr.) **(Ger)**
[Freud's delusions of grandeur, his concept of the unconscious and the Vienna decadence] Erdheim M. **Psyche (Stuttg)** 1981 Oct;35(10):857–74 **(Ger)**
[Subconscious wishes and human relations] Sandler J. **Psyche (Stuttg)** 1982 Jan;36(1):59–74 **(Ger)**
[Neurophysiologic mechanisms of unconscious phenomena] Kostandov EA. **Usp Fiziol Nauk** 1981 Oct–Dec;12(4):3–27 (85 ref.) **(Rus)**
[Systems mechanisms of human subconscious activity] Umriukhin EA. **Vestn Akad Med Nauk SSSR** 1982; (2):88–95 (Eng. Abstr.) **(Rus)**
[Dynamics of interhemispheric functional relations during formation of a functional connection between a visual signal and an unrecognized word] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):899–908 (Eng. Abstr.) **(Rus)**

UNCONSCIOUSNESS

see related
SYNCOPE

A chronic epidemic of hysterical blackouts in a comprehensive school. Mohr PD, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):961–2
Pale face syndrome of loss of consciousness. Aita JF. **Nebr Med J** 1982 May;67(5):127–8

BLOOD

[A new method to estimate blood alcohol concentration from the breath of unconscious subjects (author's transl)] Schwarz J, et al. **Anaesthesist** 1982 Apr;31(4):177–80 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Thyrotrophin–releasing hormone test: an adverse reaction. McFarland KF, et al. **Arch Intern Med** 1982 Jan; 142(1):132–3
[Stuporous states during treatment with sodium valproate. Pathogenetic hypotheses] Marescaux C, et al. **Rev Neurol (Paris)** 1981;137(4):241–54 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Evaluation and outcome of emergency room patients with transient loss of consciousness. Day SC, et al. **Am J Med** 1982 Jul;73(1):15–23
Funny turns Neurological. Fowler T. **Br J Hosp Med** 1982 Mar;27(3):224, 227, 230, passim

ETIOLOGY

Loss of consciousness in aerobatic competitors [letter] **Aviat Space Environ Med** 1981 Nov;52(11 Pt 1):718–9
Reversible causes of altered consciousness after spontaneous subarachnoid haemorrhage. Al–Din AS, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):180–1
[Unconsciousness as a result of cardiac arrhythmias] Enke KU. **Ther Ggw** 1981 Nov;120(11):1010–25 **(Ger)**
[The lucid interval in epidural hematoma] Mohsenipour I, et al. **ZFA (Stuttgart)** 1981 Sep 30;57(27):1816–20 **(Ger)**
[A case of lysinuric protein intolerance with mental–physical retardation, intermittent stupor and hemiparesis (author's transl)] Mori H, et al. **Rinsho Shinkeigaku** 1982 Jan; 22(1):42–8 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

The unconsciousness defense as applied to post traumatic stress disorder in a Vietnam veteran. Apostle DT. **Bull Am Acad Psychiatry Law** 1980;8(4):426–30

RADIOGRAPHY

Neurological and CT evaluation of knocked–out boxers. Casson IR, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb; 45(2):170–4

UNCOUPLING AGENTS

Melittin inhibition and uncoupling of spinach thylakoids. Davies GE, et al. **Arch Biochem Biophys** 1981 Oct 1; 211(1):297–304
Membrane–potential changes caused by 2,4–DNP and related phenols in resting crayfish axons are not due to uncoupling of mitochondria. Kaila K, et al. **Comp Biochem Physiol [C]** 1981;69(2):235–42
[Comparison of protonophore and uncoupling functions of weak diacids (letter)] Topaly EE, et al. **Biofizika** 1982 May–Jun;27(3):535–7 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis and structure––activity relationship of nonyl 3–acyldithiocarbazates and related compounds for uncoupling activities. Uda M, et al. **J Med Chem** 1982 May; 25(5):557–60

PHARMACODYNAMICS

Uncoupling of acetylcholine uptake from the Torpedo cholinergic synaptic vesicle ATPase. Anderson DC, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):422–8
Effect of uncouplers on anaerobic adaptation of hydrogenase activity in C reinhardtii. Lien S, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):139–47
Defective nicotinamide nucleotide transhydrogenase reaction in hepatic mitochondria of N–(phosphonomethyl)–glycine treated rats. Olorunsogo O. **Biochem Pharmacol** 1982 Jun 15;31(12):2191–2
Uncoupler–reversible inhibition of mitochondrial ATPase by metal chelates of bathophenanthroline. II. Comparison with other inhibitors. Carlsson C, et al. **Biochim Biophys Acta** 1981 Dec 14;638(2):358–64
Uncoupler–reversible inhibition of mitochondrial ATPase by metal chelates of bathophenanthroline. I. General features. Carlsson C, et al. **Biochim Biophys Acta** 1981 Dec 14; 638(2):345–57
Specific requirement for inorganic phosphate for induction of bilayer membrane conductance by the cationic uncoupler carbocyanine dye. Terada H, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):488–90
The interaction of highly active uncouplers with mitochondria. Terada H. **Biochim Biophys Acta** 1981 Dec 30;639(3–4):225–42 (150 ref.)
Differential effects of ouabain and 2,4–dinitrophenol on contractile tension of and on sodium and calcium efflux from frog heart ventricular strips. Ocampo MC, et al. **Br J Pharmacol** 1981, Oct;74(2):341–51
Enhancement of hyperthermia–induced cytotoxicity upon ATP deprivation. Laval F, et al. **Cancer Lett** 1982 Jan; 15(1):61–5
Cell surface labeling of embryonic neural retina cells exposed to low temperature, energy inhibitors, cytochalasin B and colchicin. Cohen E, et al. **Cell Differ** 1981 Dec;10(6):333–42
2,4–Dinitrophenol––mechanism of action. El–Guindy MM, et al. **Cell Mol Biol** 1981;27(5):399–402
Isolation of Escherichia coli mutants which are resistant to an inhibitor of H+–ATPase, tributyltin and also to uncouplers of oxidative phosphorylation. Ito M, et al. **FEBS Lett** 1981 Dec 28;136(2):225–30
On the relationship between the uncoupler–induced efflux of K+ from heart mitochondria and the oxidation–reduction state of pyridine nucleotides. Jung DW, et al. **J Biol Chem** 1981 Oct 25;256(20):10490–6
A comparison of the activity of uncouplers of oxidative phosphorylation against the common liver fluke Fasciola hepatica. Campbell AJ, et al. **Mol Biochem Parasitol** 1981 Dec;4(3–4):139–47
Reorganization of HeLa cell cytoskeleton induced by an uncoupler of oxidative phosphorylation. Maro B, et al. **Nature** 1982 Jan 28;295(5847):334–6
[Comparison of the effects of some perminductors on mitochondria and chloroplasts] Shol'ts KF, et al. **Biokhimiia** 1982 Mar;47(3):447–54 (Eng. Abstr.) **(Rus)**

TOXICITY

Effect of 2,4 dinitrophenol on the rate of hepatic prostaglandin production. Flynn JT. **Adv Shock Res** 1981; 5:149–62

E–C coupling during poisoning with 2,4–dinitrophenol and recovery in papillary muscle of guinea–pig: 2. Effect on the cardiac electrical activity. Re GG, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1793–9

E–C coupling during poisoning with 2,4–dinitrophenol and recovery in papillary muscle of guinea–pig: 1. Effect on the cardiac mechanical activity. Re GG, et al. **Boll Soc Ital Biol Sper** 1981 Sep 15;57(17):1789–92

Inhibition of succinate–linking reduction of pyridine nucleotide in rat liver mitochondria 'in vivo' by N–(phosphonomethyl)glycine. Olorunsogo OO, et al. **Toxicol Lett** 1980 Dec;7(2):149–52

Inhibition of energy–dependent transhydrogenase reaction by N–)phosphonomethyl) glycine in isolated rat liver mitochondria. Olorunsogo OO. **Toxicol Lett** 1982 Jan; 10(1):91–5

UNDECYLENIC ACIDS

ADMINISTRATION & DOSAGE

[Clinical trial of LA–1225 shampoo and lotion in seborrheic dermatitis and of LA–1275 shampoo and lotion in pityriasis sicca] Cerdán M, et al. **Actas Dermosifiliogr** 1981 Sep–Oct; 72(9–10):505–10 **(Spa)**

PHARMACODYNAMICS

[Antimicrobial activity of various undecylenic acid derivatives and prospects for their use in hygienic preparations for the skin] Molochko VA, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):22–5 (Eng. Abstr.) **(Rus)**

UNDERACHIEVEMENT

A token system for a class of underachieving hyperactive children. Robinson PW, et al. **J Appl Behav Anal** 1981 Fall; 14(3):307–15

Academic contracting with emotionally disturbed children. Campbell–Goymer N, et al. **Psychol Rep** 1981 Apr; 43(2):605–6

Comparison of cue–controlled relaxation and cognitive restructuring versus study skills counseling in treatment of test–anxious college underachievers. Decker TW, et al. **Psychol Rep** 1981 Oct;49(2):459–69

UNDERTAKING see **MORTUARY PRACTICE**

UNDULANT FEVER see **BRUCELLOSIS**

UNEMPLOYMENT

Psychiatric disorder among the young unemployed. Finlay–Jones R, et al. **Aust NZ J Psychiatry** 1981 Sept; 15(3):265–70

Unemployment and health in the United States [letter] Frey JJ. **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1112–3

Medical aspects of unemployment [editorial] Rees WL. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1630–1

Unemployment in my practice. Whitehead, Carrickfergus. Wilson J. **Br Med J [Clin Res]** 1981 Sep 19;283(6294):770

Hospital jobless rates below national average [news] Mickel C, et al. **Hospitals** 1982 Apr 1;56(7):33

Psychological aspects of unemployment: an investigation into the emotional and social adjustment of school leavers. Donovan A, et al. **J Adolesc** 1982 Mar;5(1):15–30

Association of childhood mortality with housing status and unemployment. Brennan ME, et al. **J Epidemiol Community Health** 1978 Mar;32(1):28–33

Unemployment and depressive affect: a motivational and attributional analysis. Feather NT, et al. **J Pers Soc Psychol** 1981 Sep;41(3):422–36

The politics of dependency problems: labor market failure, youth and 'dependency problems' in the United Kingdom. Dorn N. **J Psychoactive Drugs** 1981 Jan–Mar;13(1):61–9

Geriatric medicine and medical unemployment. Lye M. **J R Coll Physicians Lond** 1982 Apr;16(2):129–31

Unemployment and health [letter] **Lancet** 1981 Oct 17; 2(8251):874–5

Health of unemployed middle–aged men in Great Britain. Cook DG, et al. **Lancet** 1982 Jun 5;1(8284):1290–4

Mortality and unemployment: A critique of Brenner's time–series analysis [editorial] Gravelle HS, et al. **Lancet** 1981 Sep 26;2(8248):675–9

Unemployment: the health consequences in children. Margolis LH, et al. **NC Med J** 1981 Dec;42(12):849–50

Help wanted. Margolis LH. **Pediatrics** 1982 Jun;69(6):816–8

Unemployment and hospitalization among bricklayers. Lajer M. **Scand J Soc Med** 1982;10(1):3–10

Report of the National Commission on Unemployment Compensation. Price DN. **Soc Secur Bull** 1981 Oct; 44(10):37–9

[The problem of unemployment in Denmark has changed to a scarcity of young doctors] Dehlholm J. **Nord Med** 1982 Jun;97(6–7):168–9 **(Dan)**

[Unemployment among hospitalized psychiatric patients in 2 Danish counties] Frederiksen L, et al. **Ugeskr Laeger** 1981 Jul 13;143(29):1861–4 (Eng. Abstr.) **(Dan)**

[Shortage of posts as a problem for Finnish doctors] Borgström GH. **Nord Med** 1982 Jun;97(6–7):170–1 **(Swe)**

UNESCO see **UNITED NATIONS**

UNICEF see **UNITED NATIONS**

UNITED NATIONS

Standards for nutritional adequacy of the diet: European and WHO/FAO viewpoints. Wretlind A. **Am J Clin Nutr** 1982 Aug;36(2):366–75

Consortium of scientists: an alternative working approach within the UNU World Hunger Programme [letter] de Oliveira JE. **Arch Latinoam Nutr** 1980 Dec;30(4):673–6

UNESCO experience in relation to the problems of drug use by young people **Bull Narc** 1981;33(4):47–56

United Nations/Burma Programme for Drug Abuse Control. The first phase: 1976 to 1981. Zealey P. **Bull Narc** 1981; 33(3):1–21

Medicine, torture, and the United Nations [letter] Bankowski Z. **Lancet** 1982 Jan 23;1(8265):229–30

[The handicapped, a normal member of contemporary society. The UNICEF strategy] Bosch Marín J. **An R Acad Nac Med (Madr)** 1981;98(4):709–24 **(Spa)**

UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION

Budget, policy changes: NIMH in transition. Pardes H. **Hosp Community Psychiatry** 1982 Jul;33(7):525–6

ORGANIZATION & ADMINISTRATION

A model for service delivery research and evaluation: management implications for alcohol, drug abuse and mental health organizations. Gregory D, et al. **Curr Alcohol** 1981;8:119–36

UNITED STATES CENTER FOR DISEASE CONTROL see **CENTER FOR DISEASE CONTROL**

UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES see **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE see **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES

Hypertension and the Department of Health and Human Services. Rubin RJ, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III152–6

The National Toxicology Program and immunological toxicology. Moore JA, et al. **Pharmacol Rev** 1982 Mar; 34(1):13–6

Strategies for disease prevention and health promotion in the Department of Health and Human Services. Schweiker RS. **Public Health Rep** 1982 May–Jun;97(3):196–8

HISTORY

A history and reminiscence of the Office of the Deputy Assistant Secretary for Population Affairs, Department of Health Education and Welfare, 1969–1977. Hellman LM. **Bull Hist Med** 1982 Spring;56(1):77–87

ORGANIZATION & ADMINISTRATION

Federal funding agencies and speech–language–hearing. Punch JL, et al. **ASHA** 1982 May;24(5):325–31

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY see under **GOVERNMENT AGENCIES**

UNITED STATES FEDERAL TRADE COMMISSION see under **GOVERNMENT AGENCIES**

UNITED STATES FOOD AND DRUG ADMINISTRATION

Relationship of USP–NF to NDA and ANDA 'Standards'. Belson JJ. **Am J Hosp Pharm** 1982 May;39(5):869–70

Current FDA directives for promoting public health. Hayes AH Jr. **Am J Hosp Pharm** 1982 Mar;39(3):427–31

Anticancer drug development and federal regulation: protection against progress? Muggia FM. **Am J Med** 1981 Sep;71(3):341–4

An interview with FDA commissioner Hayes. Small WE. **Am Pharm** 1981 Oct;21(10):27–36

How to comply with the Food and Drug Administration's 'Investigational Device Exemption (IDE)' regulations including an application form (revised January 1982). **Artif Organs** 1982 Feb;6(1):91–118

The FDA Maze. Levy J. **Cutis** 1982 Jan;29(1):54–60

The drug regulatory system: reflections and predictions. Crout JR. **Drug Intell Clin Pharm** 1981 Oct;15(10):793–8

Diagnostic applications of alpha–fetoprotein: government regulations prevent full application of a clinically useful test. Sell S. **Hum Pathol** 1981 Nov;12(11):959–63

Compliance with the new Food and Drug Administration regulations: an approach by industry. Ward JW. **J Dairy Sci** 1981 Sep;64(9):1874–81

Impact of new Food and Drug Administration regulations on college, university, and experiment station researchers. Willett LB. **J Dairy Sci** 1981 Sep;64(9):1882–5

FDA approves more medical devices [news] **JAMA** 1981 Nov 6;246(18):2014

Nitrates, package inserts, and the Food and Drug Administration. A clinical paradox. Abrams J. **JAMA** 1981 Oct 2;246(14):1557–8

Designer genes for producing drugs: will they wash? Miller HI. **JAMA** 1982 Sep 24;248(12):1503–4

Radiopharmaceuticals and FDA: a clinician's perspective. Siegel BA. **Med Instrum** 1981 Nov–Dec;15(6):355–60

Reliability factors in adverse drug reaction reporting. Marlin RL. **Methods Inf Med** 1981 Jul;20(3):157–62

The development of orphan products. Finkel MJ. **N Engl J Med** 1982 Oct 7;307(15):963–4

Investigational device exemptions: do they dictate the practice of medicine? Watts C. **Neurosurgery** 1981 Jul; 9(1):97–8

What to do until the FDA arrives. Riegelman RK. **Postgrad Med** 1981 Dec;70(6):103–8

Suspected drug–induced hepatic reactions reported to the FDA's adverse reaction system: an overview. Jones JK. **Semin Liver Dis** 1981 May;1(2):157–67 (22 ref.)

Role of the FDA in cancer therapy research. Young RS. **Semin Oncol** 1981 Dec;8(4):447–52

Regulatory aspects of teratology: role of the Food and Drug Administration. Kelsey FO. **Teratology** 1982 Apr; 25(2):193–9

HISTORY

Regulatory mass spectrometry. Brumley WC, et al. **Biomed Mass Spectrom** 1981 Sep;8(9):390–6

Symposium on mass spectrometry: the search for zero. Dedication of the Joseph N. Damico Mass Spectrometry Laboratory and the celebration of the seventy–fifth anniversary of the Food and Drug Administration, 15 October 1980. Richmond JB. **Biomed Mass Spectrom** 1981 Sep;8(9):374–5

Science and public policy. Hayes AH Jr. **J Assoc Off Anal Chem** 1982 Mar;65(2):202–5

Food and drug administration celebrates 75 years of consumer protection — an album from the archives. Janssen WF. **Public Health Rep** 1981 Nov–Dec; 96(6):487–94

ORGANIZATION & ADMINISTRATION

Research activities in the Bureau of Veterinary Medicine. Norcross MA. **J Am Vet Med Assoc** 1982 Jan 1;180(1):32

Advances in cardiovascular pharmacology. Hayes AH Jr. **JAMA** 1982 Aug 6;248(5):537–43

Political interference at FDA? New policy raises fears of meddling [news] Budiansky S. **Nature** 1982 Jun 17; 297(5867):527–8

UNITED STATES HEALTH CARE FINANCING ADMINISTRATION see under **UNITED STATES DEPT. OF HEALTH AND HUMAN SERVICES**

UNITED STATES HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION see **UNITED STATES ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION**

UNITED STATES NATIONAL HEALTH INSURANCE see **NATIONAL HEALTH INSURANCE, UNITED STATES**

UNITED STATES NATIONAL INSTITUTES OF HEALTH see **NATIONAL INSTITUTES OF HEALTH (U.S.)**

UNITED STATES NATIONAL LIBRARY OF MEDICINE see **NATIONAL LIBRARY OF MEDICINE (U.S.)**

UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

OSHA criteria for laboratory proficiency in blood lead analysis. **Arch Environ Health** 1982 Jan–Feb;37(1):58–60

Questions and answers about OSHA's Hearing Conservation Amendment and industrial audiology. White SC. **ASHA** 1982 Feb;24(2):115–7

'Blue jeans for you, brown lung for us': OSHA's cotton dust standard. Annas GJ. **Hastings Cent Rep** 1981 Oct;11(5):15–6

Health hazard evaluation program [letter] Thoburn TW. **JAMA** 1981 Nov 6;246(18):2033

Legal trends in occupational health. Provost GJ. **JOM** 1982 Feb;24(2):115–9

Auchter's management: equalizing the emphasis of OSHA [interview by Meg Van Meter] Auchter TG. **Occup Health Saf** 1981 Sep;50(9):12–5, 18, 21

Modern industrialization and the competitive edge. Denton DR. **Occup Health Saf** 1981 Sep;50(9):42–4

OSHA regulation of industrial applications of recombinant DNA technology. Korwek EL. **Recomb DNA Tech Bull** 1982 Mar;5(1):19–29

OSHA policy on carcinogens [letter] Cowan MD.

Science 1982 Sep 3;217(4563):884

UNITED STATES PUBLIC HEALTH SERVICE

Methodologic considerations of the National Health and Nutrition Examination Survey. Murphy RS, et al. **Am J Clin Nutr** 1982 May;35(5 Suppl):1255–8

The Surgeon General of the Public Health Service [editorial] McBeath WH. **J Public Health Policy** 1981 Sep;2(3):193–7

The origins of the report of the Advisory Committee on Smoking and Health to the Surgeon General. Schuman LM. **J Public Health Policy** 1981 Mar;2(1):19–27

NCHCT could impede health care advancement and delivery. Boyle JF. **Med Instrum** 1981 Sep–Oct;15(5):296–8

Need for timely information justifies NCHCT. Braun P. **Med Instrum** 1981 Sep–Oct;15(5):302–4

Health care technology assessment essential to effective medical care. Bunker JP. **Med Instrum** 1981 Sep–Oct; 15(5):289–90

Health practices assessment should include social, economic, and ethical implications. Robbins FC. **Med Instrum** 1981 Sep–Oct;15(5):293–5

National Center for Health Care Technology: an important resource for health care delivery. Sanders CA. **Med Instrum** 1981 Sep–Oct;15(5):299–301

Federal technology assessment programs should be limited. Schoellhorn RA. **Med Instrum** 1981 Sep–Oct;15(5):291–2

Data systems of the National Center for Health Statistics. Pearce ND. **Vital Health Stat [1]** 1981;Series 1(16):1–37

UNITED STATES VETERANS ADMINISTRATION

Symposium: optometry in the Veterans Administration. **Am J Optom Physiol Opt** 1981 Dec;58(12):1075–153

Assessment of Viet Nam veterans for posttraumatic stress disorder in Veterans Administration disability claims. Atkinson RM, et al. **Am J Psychiatry** 1982 Sep; 139(9):1118–21

The International Year of Disabled Persons. Murphy EF. **Bull Prosthet Res** 1981 Spring;18(1):1–3

Protection of patient rights and welfare in the VA cooperative studies program. Kathe BA, et al. **Controlled Clin Trials** 1981 Dec;2(4):267–74

Diagnostic electron microscopy in the U.S. Veterans Administration. Williams MJ. **Diagn Histopathol** 1981 Jul–Sep;4(3):279–83

A comparison between the Veteran Administration's long-term nursing home care program and three examples of similar care outside of the V.A. Epstein WM. **Int J Aging Hum Dev** 1981;13(1):61–9

A VA–medical school affiliation process from the standpoint of the affiliated. Musser AW. **J Med Educ** 1982 Feb; 57(2):123–5

The Veterans Administration and academic surgery. A report from the Committee on Issues of the Association for Academic Surgery 1979 meeting. Gurll NJ, et al. **J Surg Res** 1982 Jul;33(1):1–10

Federal medical chiefs on progress and plans. Veterans Administration. Custis DL. **Milit Med** 1981 Sep; 146(9):623–6

Nurse practitioners within the Veterans Administration. deWever MK. **Nurse Pract** 1982 Feb;7(2):24, 38

ORGANIZATION & ADMINISTRATION

American letter: double-standard treatment. Brass A. **Br J Hosp Med** 1981 Jul;26(1):66

The Veterans Administration's experience with geriatric centers of excellence (Geriatric Research, Education, and Clinical Centers). Haber PA, et al. **J Am Geriatr Soc** 1982 Mar;30(3):206–10

Implementation and Service error: Veterans Administration health care and the commercial market option. Thompson FJ, et al. **J Health Polit Policy Law** 1981 Fall;6(3):419–43

UNITHIOL see under **DIMERCAPROL**

UNIVERSITIES

Personality characteristics and mental health of university students. Jegede RO. **Afr J Med Med Sci** 1979 Mar–Jun; 8(1–2):51–60 (52 ref.)

The residency in radiopharmacy. Breslow K. **Am Pharm** 1981 Oct;21(10):46–7

The basic undergraduate nuclear pharmacy program. Coupal JJ. **Am Pharm** 1981 Oct;21(10):40

Nuclear pharmacy PhD programs. Ice RD, et al. **Am Pharm** 1981 Oct;21(10):44–5

The Master of Science in radiopharmacy. Wolf W, et al. **Am Pharm** 1981 Oct;21(10):41–3

The university sports medicine program. Gossling HR, et al. **Conn Med** 1981 Oct;45(10):619–20

Public health training programs at the University of the West Indies. Standard KL, et al. **Educ Med Salud** 1982;16(1):62–8

Exposure patterns and ALARA in U.K. universities. Harris S. **Health Phys** 1981 Nov;41(5):727–34

Occupational exposure in the academic sector of the R.O.C. Weng PS, et al. **Health Phys** 1982 Feb;42(2):151–8

The college years as a mini-life cycle: developmental tasks and adaptive options. Medalie J.

J Am Coll Health Assoc 1981 Oct;30(2):75–9

Reaching the region: a re-assessment of the educational technology service provided by Southampton University for the Wessex Health Region. Hart A. **J Audiov Media Med** 1981 Apr;4(2):62–5

Health and society education in a liberal arts college: a curricular strategy. Rango N. **J Med Educ** 1981 Dec; 56(12):994–1003

Identifying inservice training programs in university affiliated facilities. Bender M, et al. **Ment Retard** 1981 Aug; 19(4):173–5

Harvard guidelines for avoiding fraud [news] Dickson D. **Nature** 1982 Jan 28;295(5847):271

[Research in general medicine in German universities] Hamm H. **ZFA (Stuttgart)** 1982 Jan 31;58(3):Suppl 1011–3 **(Ger)**

[Scientific policy in Spain in relation to the university] Gallego Fernández A. **An R Acad Nac Med (Madr)** 1981; 98(3):441–58 **(Spa)**

[Participation of universities in the economic and social development of the Americas] Acuña HR. **Educ Med Salud** 1982;16(2):113–7 **(Spa)**

[Training of biomedical engineers] Muñoz-Bojalil B, et al. **Gac Med Mex** 1982 Feb;118(2):60–4 **(Spa)**

[The Ph.D. in sciences and the development of Chilean universities (author's transl)] **Rev Med Chil** 1981 Sep; 109(9):876–7 (Eng. Abstr.) **(Spa)**

ECONOMICS

Cost-effectiveness of undergraduate programs in dietetics. Sullivan CF, et al. **J Am Diet Assoc** 1982 Jun;80(6):561–5

Cost recovery for instructional resources—boon or bane? Klosevych S. **J Audiov Media Med** 1981 Apr;4(2):49–51

Threats to tax-exempt financing for hospitals and universities [editorial] Cooper JA. **J Med Educ** 1982 Aug;57(8):649–50

Stanford doctors try Consulting Inc [news] Culliton BJ. **Science** 1982 Sep 17;217(4565):1122–3

HISTORY

The Founders of the College. Leggett CA. **Aust NZ J Surg** 1981 Oct;51(5):508–12

[Vicissitudes of the University of Ferrara in the second half of the nineteenth century (author's transl)] Dondi RF. **Ann Osp Maria Vittoria Torino** 1980 Jul–Dec; 23(7–12):333–42 **(Ita)**

[Development of pharmacology of Moscow University] Dagurov VG, et al. **Farmakol Toksikol** 1981 Nov–Dec; 44(6):733–7 **(Rus)**

[50th anniversary of the Department of Genetics of the Lomonosov Moscow State University] **Genetika (Moskva)** 1981;17(7):1318–20 **(Rus)**

[Department of Genetics of the Lomonosov Moscow State University: 1930–1948] Alikhanian SI. **Genetika (Moskva)** 1981;17(7):1320–7 (Eng. Abstr.) **(Rus)**

[Development of medicine at Vilna University (on the 200th anniversary of higher medical education in Lithuania)] Biziuliavichius SK, et al. **Sov Zdravookhr** 1982;(4):54–8 **(Rus)**

[Role of Kazan University scientists in the development of social medicine] Grigorian NA. **Sov Zdravookhr** 1981; (7):48–51 **(Rus)**

LEGISLATION & JURISPRUDENCE

[The Andrés Bello University and Cultural Association on the new legislation for Chilean universities] **Rev Med Chil** 1981 Aug;109(8):785–7 (Eng. Abstr.) **(Spa)**

[New laws for Chilean universities (author's transl)] **Rev Med Chil** 1981 Aug;109(8):775–83 (Eng. Abstr.) **(Spa)**

MANPOWER

Careers of non-medical graduates in British medical research. Sadler J, et al. **Nature** 1981 Oct 8;293(5832):423–6

[Management and leading problems at institutes and clinics of Swiss universities, especially at the Medical Faculty of Berne (author's transl)] Aellen P. **Praxis** 1981 Dec 15; 70(51):2326–32 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

More Effective Living: a partnership approach to health education programming. Di Berto SN. **Health Educ Q** 1981 Winter;8(4):348–58

Taking university research into the marketplace. Omenn GS. **N Engl J Med** 1982 Sep 9;307(11):694–700

UNIVERSITY HEALTH SERVICES see **STUDENT HEALTH SERVICES**

UNIVERSITY MEDICAL CENTERS see **ACADEMIC MEDICAL CENTERS**

UPHILL TRANSPORT see **BIOLOGICAL TRANSPORT, ACTIVE**

UPPER RESPIRATORY INFECTIONS see **RESPIRATORY TRACT INFECTIONS**

URACHAL CYST

COMPLICATIONS

Prostatism, obstructive uropathy and uraemia associated with a urachal cyst. Standfield NJ, et al. **Br J Urol** 1981 Oct; 53(5):482

Pilonidal sinus of the umbilicus with urachal adenoma. Gupta S, et al. **Trop Geogr Med** 1981 Dec;33(4):393–6

CONGENITAL

[Congenital persisting urachus and other urachal abnormalities] de Waal Malefijt J, et al. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1572–6 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Vesicourachal diverticulum: CT diagnosis in two adults. Schnyder P, et al. **AJR** 1981 Nov;137(5):1063–5

[A large urachal cyst] Winkel KP, et al. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1566–9 (Eng. Abstr.) **(Dut)**

[Purulent cyst of the urachus in an elderly adult. A case (letter)] Vallancien G, et al. **Nouv Presse Med** 1982 Jun 5;11(26):2016–7 **(Fre)**

PATHOLOGY

[Cystadenocarcinoma complicating urachal cysts. A case report and review of the literature (author's transl)] Leborgne J, et al. **J Chir (Paris)** 1982 Jan;119(1):35–41 (Eng. Abstr.) **(Fre)**

URACHUS

Vesicourachal diverticulum: CT diagnosis in two adults. Schnyder P, et al. **AJR** 1981 Nov;137(5):1063–5

Patent urachus complicating pregnancy: a review and report of a case. Nielsen TP, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):61–8

Congenital patent urachus associated with complete (hypospadiac(duplication of the urethra and solitary crossed renal ectopia. Lane V. **J Urol** 1982 May; 127(5):990–1

Patent urachus associated with completely patent omphalomesenteric duct. Griffith GL, et al. **South Med J** 1982 Feb;75(2):252

Pilonidal sinus of the umbilicus with urachal adenoma. Gupta S, et al. **Trop Geogr Med** 1981 Dec;33(4):393–6

[Urachal carcinoma] van Luijt PA, et al. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1569–72 (Eng. Abstr.) **(Dut)**

[Adenocarcinoma of the urachus with cyst formation (author's transl)] Bannermann C, et al. **Urologe [Ausg A]** 1981 Nov;20(6):392–3 (Eng. Abstr.) **(Ger)**

[Spontaneous rupture of a diverticulum of the urachus] Martinez Torres JL, et al. **Actas Urol Esp** 1981 May–Jun; 5(3):193–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Tubular urachal remnants in adult bladders. Schubert GE, et al. **J Urol** 1982 Jan;127(1):40–2

RADIOGRAPHY

[Urachal malformation. Clinical and radiological findings in one case (author's transl)] Nicolas P, et al. **J Radiol** 1981 Oct;62(10):531–5 (Eng. Abstr.) **(Fre)**

SURGERY

Ruptured urachus in a foal. Ford J, et al. **VM SAC** 1982 Jan;77(1):94–5

Persistent urinary tract infection and urolithiasis in a cat with a urachal diverticulum. Gotthelf LN. **VM SAC** 1981 Dec; 76(12):1745–7

URACIL

Pyrimidine ribonucleoside phosphorylase activity vs 5- and/or 6-substituted uracil and uridine analogues, including conformational aspects. Krajewska E, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1097–102

Detection of separated amino proton resonance signals of adenine derivatives of low temperature and its application to estimation of population of the adenine-uracil dimers in solution. Iwahashi H, et al. **Biochemistry** 1982 Feb 16; 21(4):631–8

Detection of proton-acceptor sites of hydrogen bonding in adenine X uracil base pairs by the use of 15N magnetic resonance. Watanabe M, et al. **Eur J Biochem** 1981 Jul; 117(3):553–8

N-hydroxymethyl derivatives of nitrogen heterocycles as possible prodrugs I: N-hydroxymethylation of uracils. Bansal PC, et al. **J Pharm Sci** 1981 Aug;70(8):850–4

A covalent adduct between the uracil ring and the active site of an aminoacyl tRNA synthetase. Starzyk RM, et al. **Nature** 1982 Jul 8;298(5870):136–40

[Possible conformations of nucleic acid fragments containing the base pair guanine:uracil] Poltev VI, et al. **Biofizika** 1982 Mar–Apr;27(2):320–2 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

The complete separation of the base, nucleoside, mono-, di-, and triphosphonucleosides of uracil and cytosine by polyethyleneimine cellulose thin-layer chromatography. Payne RC, et al. **Anal Biochem** 1982 Mar 15;121(1):49-54

Improved colorimetric procedure for quantitating N-carbamoyl-beta-alanine with minimum dihydrouracil interference. West TP, et al. **Anal Biochem** 1982 May 15; 122(2):345-7

5-benzylacyclouridine and 5-benzyloxybenzylacyclouridine, potent inhibitors of uridine phosphorylase. Niedzwicki JG, et al. **Biochem Pharmacol** 1982 May 15;31(10):1857-61

Induction of DNA repair synthesis in isolated rat hepatocytes by 5-diazouracil and other DNA damaging compounds. Andrae U, et al. **Cancer Lett** 1981 Aug;13(3):187-93

Uracil derivatives. II. Syntheses and growth-inhibitory activity against L-1210 cells of 5-(4-substituted-phenylthiomethyl)-6-carbamoyluracils. Okada J, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov; 29(11):3112-7

Uracil derivatives. III. Synthesis and growth-inhibitory activity against L-1210 cells of 5,6-disubstituted uracils. Okada J, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan; 30(1):91-6

Hingh-performance reversed-phase liquid chromatography (HPLC) of favism-inducing factors in Vicia faba L. Lattanzio V, et al. **Experientia** 1982 Jul 15;38(7):789-90

Nonspecificity of some commonly used inhibitors of DNA synthesis in cultures of Streptococcus faecalis. Lahti R, et al. **Folia Microbiol (Praha)** 1982;27(1):7-10

VE-PPP study of C5, C6 hydroxy substituted derivatives of uracil. Srivastava SK. **Indian J Biochem Biophys** 1982 Feb;19(1):64-6

A novel, highly modified, bacteriophage DNA in which thymine is partly replaced by a phosphoglucuronate moiety covalently bound to 5-(4',5'-dihydroxypentyl)uracil. Ehrlich M, et al. **J Biol Chem** 1981 Oct 10;256(19):9966-72

Irreversible enzyme inhibitors. 202. Candidate active-site-directed irreversible inhibitors of 5-fluoro-2'-deoxyuridine phosphorylase from Walker 256 rat tumor derived from 1-benzyl-5-(3-ethoxybenzyl)uracil. Kelley JL, et al. **J Med Chem** 1982 May;25(5):600-3

Platinosomes produced in cultured cells by platinum coordination complexes. Ghadially FN, et al. **J Submicrosc Cytol** 1981 Apr;13(2):223-30

Inhibition of colony-forming cells from bone marrow of leukemic patients by 3-oxauracil. Reiner P, et al. **Neoplasma** 1981;28(5):533-9

The synthesis and properties of some 5-substituted uracil derivatives. Walker RT, et al. **Nucleic Acids Symp Ser** 1981; (9):21-4

In vitro and in vivo cytotoxicity of 6 amino-5-formyl-methylamino-1,3-dimethyl uracil, a uracilic metabolite of caffeine. Garattini S, et al. **Toxicol Lett** 1982 Feb;10(2-3):313-9

[Biotransformation of [2-14C]-1-alkyl-3,5-diethyl-6-chlorouracil and synthesis of some possible degradation products (author's transl)] Kiefer G, et al. **Arch Pharm (Weinheim)** 1982 May; 315(5):444-50 (Eng. Abstr.) **(Ger)**

[Identification of a third S-containing metabolite of 1-allyl-3,5-diethyl-6-chlorouracil and mechanism of formation of SCH3-metabolites (author's transl)] Kaul R, et al. **Arzneimittelforsch** 1982;32(6):610-2 (Eng. Abstr.) **(Ger)**

[Comparison of the accelerated stability test with the long-term stability of 1-allyl-3,5-diethyl-6-chlorouracil] Hempel B. **Pharm Acta Helv** 1982;57(2):34-6 **(Ger)**

[Effect of methyluracil on the course of the postoperative period after herniotomy and appendectomy] Marfin BI, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):15-7 (Eng. Abstr.) **(Rus)**

[Local activation of reparative processes in chronic gastroduodenal ulcer] Buianov VM, et al. **Klin Khir** 1981 Aug;(8):1-4 (Eng. Abstr.) **(Rus)**

[Prevention of tonsillitis and acute respiratory diseases by using dry immunostimulating aerosols] Zberovskaia NA, et al. **Sov Med** 1981;(8):94-8 **(Rus)**

[Dynamics of labelled pyromecaine diffusion from an ointment into tongue tissue] Konobevtsev OF, et al. **Stomatologiia (Mosk)** 1982 Jan-Feb;61(1):9-10 (Eng. Abstr.) **(Rus)**

[Bicillin treatment of rabbits with syphilis in combination with methyluracil] Ovchinnikov NM, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):31-3 (Eng. Abstr.) **(Rus)**

[Treatment of refractory pyodermas with rifampicin in combination with diucifon] Salekh BS. **Vestn Dermatol Venerol** 1982 Apr;(4):28-32 **(Rus)**

BIOSYNTHESIS

Arginine and pyrimidine biosynthetic defects in Neisseria gonorrhoeae strains isolated from patients. Shinners EN, et al. **J Bacteriol** 1982 Jul;151(1):295-302

ISOLATION & PURIFICATION

The complete separation of the base, nucleoside, mono-, di-, and triphosphonucleosides of uracil and cytosine by polyethyleneimine cellulose thin-layer chromatography. Payne RC, et al. **Anal Biochem** 1982 Mar 15;121(1):49-54

METABOLISM

Uridine and uracil transport in Escherichia coli and transport-deficient mutants. Roy-Burman S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):309-19

Studies on the metabolism of 1-(2-tetrahydrofuryl)-5-fluorouracil and uracil co-administered orally to tumor-bearing rats. Kawaguchi Y, et al. **Gan** 1980 Dec;71(6):889-99

Role of exonuclease III in the base excision repair of uracil-containing DNA. Taylor AF, et al. **J Bacteriol** 1982 Jul;151(1):351-7

Resistance to fluorouracil in Candida utilis: effects on the uptake of pyrimidines and amino acids. Wild DG, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:45-53

Isolation and mapping of a uracil-sensitive mutant of Salmonella typhimurium. Bussey LB, et al. **MGG** 1982; 185(3):513-4

PHARMACODYNAMICS

General pharmacological properties of UFT, a new type of anti-cancer agent consisting of 1-(2-tetrahydrofuryl)-5-fluorouracil (FT) and uracil. I: Pharmacological analysis of the combined effect of FT and uracil. Yamamoto J, et al. **Arzneimittelforsch** 1981; 31(8):1268-78

RADIATION EFFECTS

Determination of parameters of excited states of DNA and RNA bases by laser UV photolysis. Nikogosyan DN, et al. **Photochem Photobiol** 1982 May;35(5):627-35

THERAPEUTIC USE

[Effects of UFT administered preoperatively in cases of gastric cancer (author's transl)] Okada K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1417-22 (Eng. Abstr.) **(Jpn)**

URACIL NUCLEOTIDES

Syringes are unsuitable for pipetting submicromolar solutions of nucleoside triphosphates because of adsorption. Goswami T, et al. **Anal Biochem** 1981 Nov 1;117(2):336-8

5'-Mercuri-uridine triphosphate as a substrate for transcription. Miller DW, et al. **Anal Biochem** 1982 Jun; 123(1):94-100

Inhibitory effects of 3'-modified UTP analogues on DNA-dependent RNA polymerase I and II purified from cherry salmon (Onchorhynchus masou) liver. Nakayama C, et al. **Nucleic Acids Symp Ser** 1981;(10):143-6

Substrate specificity of CTP-synthetase from E. coli. Scheit KH, et al. **Nucleic Acids Symp Ser** 1981;(9):229-33

ANALYSIS

5'-Terminal cap structures of oligo(uridylic acid)-containing messenger ribonucleic acid from HeLa cells: comparison with other ribonucleic acid subpopulations. Wallace JC, et al. **Biochemistry** 1981 Sep 15;20(19):5364-8

The use of Taka-diastase in a[3H]poly(A) hybridization assay of oligo(U) sequences in RNA. De Herdt E, et al. **J Biochem Biophys Methods** 1981 Jul;5(1):51-5

Reversed-phase ion-pair high-performance liquid chromatographic assay of 5-fluorouracil, 5'-deoxy-5-fluorouridine, their nucleosides, mono-, di-, and triphosphate nucleotides with a mixture of quaternary ammonium ions. Au JL, et al. **J Chromatogr** 1982 Mar 12; 228:245-56

ISOLATION & PURIFICATION

Improved preparation of poly(A) Sepharose and the isolation of oligo(U) containing heterogeneous nuclear RNA from Friend erythroleukemic cells. Molloy GR, et al. **Prep Biochem** 1982;12(1):77-102

METABOLISM

Purification of a base-specific ribonuclease Ru from Rhizopus niveus. Horitsu H, et al. **Can J Biochem** 1980 Jun; 58(6):489-93

The incorporation of uridine label into the RNA of mouse embryo cells does not always reflect the labelling of the major cellular UTP pool. Piper PW. **FEBS Lett** 1981 Aug 31;131(2):373-6

Uridine phosphate binding proteins in the plasma membrane of rat liver. Tauber R, et al. **FEBS Lett** 1982 May 17; 141(2):198-202

Metabolism of exogenous uridine 5'-triphosphate, adenosine 5'-triphosphate and pyrophosphate by alkylsulfatase-producing bacteria. Stewart GJ, et al. **Int J Biochem** 1981;13(9):1019-26

Partial nucleotide limitation induces phosphodiesterase I and 5'-nucleotidase in Bacillus subtilis. Dhariwal KR, et al. **J Bacteriol** 1982 Mar;149(3):1146-9

Effects of early diabetes on uridine diphosphosugar synthesis in the rat renal cortex. Cortes P, et al. **Kidney Int** 1982 May;21(5):676-82

Isolation and partial characterization of a 5'-nucleotidase specific for orotidine-5'-monophosphate. El Kouni MH, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1037-41

PHARMACODYNAMICS

Regulation of rRNA synthesis and processing in animal cells. Effect of nucleoside analogues. Iapalucci-Espinoza S, et al. **Biochem J** 1982 Feb 15;202(2):325-32

Inhibition of deoxyribonucleic acid polymerases from murine cells and oncornavirus by 5-alkylated derivatives of 1-beta-D-arabinofuranosyluracil 5'-triphosphate: substituent effects on inhibitory action. Ono K, et al. **Biochemistry** 1981 Aug 18;20(17):5088-93

Dinucleosidetetraphosphatase from Ehrlich ascites tumour cells: inhibition by adenosine, guanosine and uridine 5'-tetraphosphates. Moreno A, et al. **Int J Biochem** 1982; 14(7):629-34

5-Mercaptopolyuridylic acid (MPU), a potent inhibitor of the reverse transcriptase from avian myeloblastosis virus. Kung MP, et al. **Res Commun Chem Pathol Pharmacol** 1982 May;36(2):215-28

[Affinity labeling of the ribosomes from Escherichia coli by 4-(N-2-chloroethyl-N-methyl-aminobenzyl-5'-phosphoa of heptauridylic acid] Gimautdinova OI, et al. **Mol Biol (Mosk)** 1981 Jul-Aug;15(4):797-804 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Uridine 5'-phosphate photohydrate formation in irradiated Escherichia coli 30S ribosomes: photochemistry and relation to ribonucleic acid-protein cross-linking. Gorelic L, et al. **Biochemistry** 1982 May 11;21(10):2344-8

Free radicals from X-irradiated single crystals of uridine-5'-phosphate disodium salt. Radons G, et al. **Int J Radiat Biol** 1981 Sep;40(3):245-63

THERAPEUTIC USE

[Effect of potassium orotate and the sodium salt of uridine monophosphate on the development of experimental adrenaline myocardial dystrophy] Kuznetsova LV, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):170-3 (Eng. Abstr.) **(Rus)**

URACIL POLYNUCLEOTIDES see **POLY U**

URAGOGA see **IPECAC**

URALENIC ACID see **GLYCYRRHETINIC ACID**

URANIUM

Measurements of environmental radiation exposure dose rates at selected sites in Brazil. Pfeiffer WC, et al. **An Acad Bras Cienc** 1981 Dec;53(4):683-91

TLD personal monitoring of external gamma-ray exposure in uranium mines using CaSO4:Dy in Teflon discs. Boas JF, et al. **Health Phys** 1982 Jun;42(6):865-8

An evaluation of working Level measurements using a generalized Kusnetz method. Borak TB, et al. **Health Phys** 1982 Apr;42(4):459-67

Radon daughter exposure to uranium miners. Cohen BL. **Health Phys** 1982 Apr;42(4):449-57

Health effects of radon emissions from uranium mill tailings. Cohen BL. **Health Phys** 1982 May;42(5):695-702

Development of lesions in Syrian golden hamsters following exposure to radon daughters and uranium ore dust. Cross FT, et al. **Health Phys** 1981 Jul;41(1):135-53

Carcinogenic effects of radon daughters, uranium ore dust and cigarette smoke in beagle dogs. Cross FT, et al. **Health Phys** 1982 Jan;42(1):33-52

Dissolution fractions and half-times of single source yellowcake in simulated lung fluids. Dennis NA, et al. **Health Phys** 1982 Apr;42(4):469-77

An experimental chamber simulating the equilibrium between radon and its daughters in mine air. Domanski T, et al. **Health Phys** 1981 Jul;41(1):175-8

Comparison of physical chemical properties of powders and respirable aerosols of industrial mixed uranium and plutonium oxide fuels. Eidson AF. **Health Phys** 1982 Apr; 42(4):531-6

On the radiological significance of inhaled uranium and thorium ore dust. Hannibal L. **Health Phys** 1982 Mar; 42(3):367-71

Internal emitter research and standard setting. Stannard JN. **Health Phys** 1981 Nov;41(5):703-8

Effect of moisture content on radon emanation from uranium ore and tailings. Strong KP, et al. **Health Phys** 1982 Jan; 42(1):27-32

The effect of freezing on the emanation of radon from uranium ore and tailings samples. Zettwoog P, et al. **Health Phys** 1981 Aug;41(2):410-1

The use of filters to reduce the potential alpha-energy due to radon daughters in the cabs of mining vehicles. Zettwoog P, et al. **Health Phys** 1982 Jan;42(1):85-9

The effect of heavy metal staining on resolution of electron microscope autoradiography. Ichikawa M, et al. **J Electron Microsc (Tokyo)** 1981;30(4):352-4

Uranyl-formol: a simple and reliable stain for routine electron microscope observation of ultrathin sections. Mazza A, et al. **J Submicrosc Cytol** 1981 Jul;13(3):473-8

Lung cancer screening programs in Canadian uranium mines. Band P, et al. **Recent Results Cancer Res** 1982;82:153-8

The contribution of uranium miners to lung cancer histogenesis. Saccomanno G. **Recent Results Cancer Res** 1982;82:43-52

[Malignant pulmonary neoplasm and inhalation radiation exposure (author's transl)] Sevc J. **Cas Lek Cesk** 1981 Dec 3;120(48):1440–1 (Eng. Abstr.) **(Cze)**

[Sociological study of the Czechoslovak uranium industry] Nedvidek A, et al. **Cesk Zdrav** 1982 Mar;30(3):102–6 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Morphologic changes in uranyl nitrate–induced acute renal failure in saline– and water–drinking rats. Haley DP. **Lab Invest** 1982 Feb;46(2):196–208

ADVERSE EFFECTS

Lung cancer among Navajo uranium miners. Gottlieb LS, et al. **Chest** 1982 Apr;81(4):449–52

Mining and deaths from chronic renal failure [letter] Thun M, et al. **Lancet** 1982 Sep 11;2(8298):606

[Broncho–alveolar lavage in uranium miners (author's transl)] Robalo Cordeiro AJ, et al. **Rev Fr Mal Respir** 1981; 9(3):241–56 (Eng. Abstr.) **(Fre)**

ANALYSIS

Uranium and plutonium in hair as an indicator of body burden in mice of different age and sex. Bentley KW, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):691–6

Uranium dispersion along roads paved with phosphate slag. Melville CM, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):470–3

Retention of uranium thorax burdens in fuel fabricators. Pomroy C, et al. **Health Phys** 1981 Aug;41(2):393–400

Trace content of uranium in spices and condiments. Sharma YP, et al. **Health Phys** 1981 Oct;41(4):680–2

METABOLISM

Observations on the bioaccumulation potential of thorium and uranium in rainbow trout (Salmo gairdneri). Poston TM. **Bull Environ Contam Toxicol** 1982 Jun;28(6):682–90

The behaviour of uranium–233 oxide and uranyl–233 nitrate in rats. Cooper JR, et al. **Int J Radiat Biol** 1982 Apr; 41(4):421–33

Uraniosomes produced in the synovial membrane by uranyl acetate. Ghadially FN, et al. **Pathology** 1982 Apr; 14(2):121–7

Influence of macrophages on microdistribution of inhaled UO2 aerosol in rat lung. Batchelor AL, et al. **Phys Med Biol** 1982 Jul;27(7):949–57

The gastrointestinal absorption of protactinium, uranium, and neptunium in the hamster. Harrison JD, et al. **Radiat Res** 1981 Oct;88(1):47–55

[Leaching of uranium containing phosphorites with heterotrophic microorganisms] Kullmann KH, et al. **Z Allg Mikrobiol** 1982;22(1):41–7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effect of uranyl acetate on human lymphoblastoid cells (RPMI 6410) and HeLa cells. Ghadially FN, et al. **Br J Exp Pathol** 1982 Jun;63(3):227–34

Influence of uranyl nitrate upon tubular reabsorption and glomerular filtration in blood perfused isolated dog kidneys. Nizet A. **Pflugers Arch** 1981 Oct;391(4):296–300

Uraniosomes produced in cultured rabbit kidney cells by uranyl acetate. Ghadially FN, et al. **Virchows Arch [Cell Pathol]** 1982;39(1):21–30

POISONING

Overestimation of predicted effects in mortality study of uranium workers [letter] Polednak AP. **JOM** 1982 May; 24(5):363

Tiron (sodium 4,5–dihydroxybenzene–1,3–disulfonate) as an antidote for acute uranium intoxication in mice. Basinger MA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Nov; 34(2):351–8

[A case of chronic neuropathy and traces of uranium (letter)] Fournier E. **Nouv Presse Med** 1982 Apr 17;11(18):1420–1 **(Fre)**

[Chronic neurological syndrome resulting from intoxication with metallic uranium (author's transl)] Goasguen J, et al. **Nouv Presse Med** 1982 Jan 16;11(2):119–21 (Eng. Abstr.) **(Fre)**

TOXICITY

Urinary enzyme excretion as a indicator of nephrotoxicity in dependence on age. Bräunlich H, et al. **Exp Pathol** 1981; 20(3):182–7

Effects of sodium intake and nephrotoxin dose on acute renaL failure in the young rat. Bidani A, et al. **Pediatr Res** 1982 Apr;16(4 Pt 1):277–81

URANYL NITRATE see under **URANIUM**

URATE OXIDASE

ANALYSIS

Ultrastructural localization of urate oxidase in nodules of Sesbania exaltata, Glycine max, and Medicago sativa. Vaughn KC, et al. **Histochemistry** 1982;74(3):309–18

DIAGNOSTIC USE

Uric acid determinations: reversed–phase liquid chromatography with ultraviolet detection compared with kinetic and equilibrium adaptations of the uricase method. Ingebretsen OC, et al. **Clin Chem** 1982 Mar;28(3):496–8

Spectrophotometric determination of serum uric acid by an enzymatic method with 2,2'–azino–di(3–ethylbenzthiazoline–6–sulfonate) (ABTS). Majkić–Singh N, et al. **Clin Chim Acta** 1981 Oct 8; 116(1):117–23

Evaluation of the Technicon bound uricase method for the determination of uric acid in urine. Thomasson CG, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):299–303

ISOLATION & PURIFICATION

Purification and properties of urate oxidase from Streptomyces cyanogenus. Ohe T, et al. **J Biochem (Tokyo)** 1981 Jun;89(6):1769–76

METABOLISM

Urate–oxidase in liver of oxonic acid treated mice Otta ME, et al. **Acta Physiol Lat Am** 1978;28(1):33–9

Uricase immobilized onto nylon tube for use in automated analysis of serum urate. Salleh AB, et al. **Anal Biochem** 1981 Sep 1;116(1):40–7

Properties of two urate oxidases modified by the covalent attachment of poly(ethylene glycol). Chen RH, et al. **Biochim Biophys Acta** 1981 Aug 13;660(2):293–8

Some kinetic studies on immobilized uricase. Salleh AB, et al. **Int J Biochem** 1981;13(10).1113–8

Physicochemical properties and states of sulfhydryl groups of uricase from Candida utilis. Nishimura H, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):41–8

PHARMACODYNAMICS

Reduction of plasma urate levels in the cockerel with polyethylene glycol–uricase. Abuchowski A, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):352–4

THERAPEUTIC USE

Urate–oxidase prophylaxis of uric acid–induced renal damage in childhood leukemia. Masera G, et al. **J Pediatr** 1982 Jan;100(1):152–5

[Urate–oxidase: a new therapy of cytotoxic–drug–induced hyperuricemia (author's transl)] Vigo P, et al. **Haematologica (Pavia)** 1981 Oct;66(5):656–66 (Eng. Abstr.) **(Ita)**

URBAN DEVELOPMENT see **URBAN RENEWAL**

URBAN HEALTH see under **HEALTH**

URBAN PLANNING see **CITY PLANNING**

URBAN POPULATION

Life events and mental disorder in an urban female population. Samuelsson S. **Acta Psychiatr Scand [Suppl]** 1982;299:1–76

The city and the child. Rutter M. **Am J Orthopsychiatry** 1981 Oct;51(4):610–25

Excess mortality from traffic accidents among elderly pedestrians living in the inner city. Allard R. **Am J Public Health** 1982 Aug;72(8):853–4

Age at menarche and its secular trend in urban and rural girls in Poland. Laska–Mierzejewska T, et al. **Ann Hum Biol** 1982 May–Jun;9(3):227–33

The mentally ill in an urban county jail. Lamb HR, et al. **Arch Gen Psychiatry** 1982 Jan;39(1):17–22

Adolescent self–assessment of sexual maturation: reassessment and evaluation in a mixed ethnic urban population. Neinstein LS. **Clin Pediatr (Phila)** 1982 Aug; 21(8):482–4

The working capacity of rural, urban and service personnel in the Sudan. Awad el Karim MA, et al. **Ergonomics** 1981 Dec;24(12):945–52

Blood pressure levels in urban school–age population in Chile. Norero C, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–238–41

Feeding practices and diarrheal episodes among rural and urban infants of Lucknow. Idris MZ, et al. **Indian Pediatr** 1981 May;18(5):311–6

Aminolevulinate dehydratase and blood lead levels in urban male adults. Sartor F, et al. **Int Arch Occup Environ Health** 1981;49(1):45–51

Residential mobility and living arrangements among the elderly: changing patterns in metropolitan and nonmetropolitan areas. Clifford WB, et al. **Int J Aging Hum Dev** 1981–82;14(2):139–56

Measuring social interaction of the urban elderly: a methodological synthesis. Sokolovsky J, et al. **Int J Aging Hum Dev** 1981;13(3):233–44

The welfare of urban youth in China 1949–79. Dixon J. **J Adolesc** 1981 Mar;4(1):1–12

Urban–rural fertility differentials in Pakistan. Yusuf F, et al. **J Biosoc Sci** 1981 Oct;13(4):491–9

Compliance with medication regimens among chronically ill, inner city patients. Greene JY, et al. **J Community Health** 1982 Spring;7(3):183–93

Perceived and objective conditions as predictors of the life satisfaction of urban and non urban elderly. Fengler AP, et al. **J Gerontol** 1981 Nov;36(6):750–2

Changing aged nonmetropolitan migration patterns, 1955 to 1960 and 1965 to 1970. Longino CF Jr. **J Gerontol** 1982 Mar;37(2):228–34

Sporadic non–A, non–B hepatitis: frequency and epidemiology in an urban U.S. population. Alter MJ, et al. **J Infect Dis** 1982 Jun;145(6):886–93

Characteristics of older patients in an urban teaching practice. Goodson JD, et al. **J Med Educ** 1981 Jun;56(6):459–66

Personal characteristics and achievements of medical students from urban and nonurban areas. Willoughby TL, et al. **J Med Educ** 1981 Sep;56(9 Pt 1):717–26

Symptoms of depression among blacks and whites in an urban community. Roberts RE, et al. **J Nerv Ment Dis** 1981 Dec; 169(12):774–9

Inner cities. Bolden KJ. **J R Coll Gen Pract [Occas Pap]** 1981 Dec;(19):1–13

Alcoholism as a folk disease. The paradox of beliefs and choice of therapy in an urban American community. Rodin MB. **J Stud Alcohol** 1981 Sep;42(9):822–35

A study of leprosy among urban and rural school children of Andhra Pradesh. Rao PS, et al. **Lepr India** 1982 Jan; 54(1):100–9

Leprosy in urban setting. Vijayshankar P. **Lepr India** 1982 Jan;54(1):155–61

Suicide in rural New South Wales: comparison with metropolitan experience. Renwick MY, et al. **Med J Aust** 1982 May 1;1(9):377–80

Child care patterns and preferences in urban peninsular Malaysia. Parameshvara Deva M, et al. **Med J Malaysia** 1981 Dec;36(4):259–62

Monitoring quality of care in urban and rural medical centers in Nebraska. Bernard–Stevens J, et al. **Nebr Med J** 1982 May;67(5):124–6

Apparent resurgence of tuberculosis in urban children. Inselman LS, et al. **Pediatrics** 1981 Nov;68(5):647–9

Health situation of persons aged over 80 years in the metropolitan population. Zaremba V. **Sante Publique (Bucur)** 1981;24(2–3):275–87

Correlation between T.S.P., F.S.P. and visibility in a high altitude city (Mexico City). Bravo H, et al. **Sci Total Environ** 1982 Jun;24(2):177–82

The distribution of oxidized nitrogen in urban air. Spicer CW. **Sci Total Environ** 1982 Jun;24(2):183–92

Black fertility in decline: urban differentials in 1900. Tolnay SE. **Soc Biol** 1980 Winter;27(4):249–60

Accessibility to medical care among urban American Indians in a large metropolitan area. Shannon GW, et al. **Soc Sci Med** 1982;16(5):571–5

Subjective evaluation and utilization of hospitals by low–income urban residents in Porto Alegre, Brazil. Enders WT. **Soc Sci Med [D]** 1981 Nov;15D(4):525–36

[Hygienic evaluation of the effectiveness of short–term suburban recreation from the viewpoint of natural climatic and demographic factors] Mechkuev R, et al. **Probl Khig** 1981;6:135–42 (Eng. Abstr.) **(Bul)**

[Mortality among elderly male city dwellers. 16 years following up men 60–64 year old at the beginning (author's transl)] Santruček M. **Cas Lek Cesk** 1982 Jun 4; 121(22):691–4 (Eng. Abstr.) **(Cze)**

[Effects of dental prophylaxis measures in Basel after 19 years of water fluoridation] Büttner M. **Rev Belge Med Dent** 1981 Nov;36(6):268–9 **(Fre)**

[Population biology of North Germany. Comparative growth study of school children in Bremen and the rural surroundings] Danker H, et al. **Anthropol Anz** 1981 Jun; 39(2):81–95 (Eng. Abstr.) **(Ger)**

[Growth and development of urban children with respect to sociodemographic factors] Pantó E. **Anthropol Anz** 1982 Mar;40(1):33–44 (Eng. Abstr.) **(Ger)**

[Does the size of a community affect psychiatric disease?] Faust V, et al. **Fortschr Med** 1981 Nov 19;99(43):1773–6 **(Ger)**

[Caries morbidity and caries incidence in 7– to 15–year–old Basel schoolchildren in 1977 after 15 years of drinking–water fluoridation] Gülzow HJ, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr; 92(4):255–62 (Eng. Abstr.) **(Ger)**

[Caries incidence in elementary school pupils in the city of Matera] Bradascio L, et al. **Minerva Stomatol** 1982 Jan–Feb; 31(1):55–9 (Eng. Abstr.) **(Ita)**

[Comparison of 5–year survival of patients with malignant neoplasms among urban population in Cracow and the rural population of the Nowy Sącz region] Kolodziejska H, et al. **Nowotwory** 1981;30(4):347–52 (Eng. Abstr.) **(Pol)**

[Mode of spending free time among Warsaw children 9– to 13–years–old] Goryński P, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):485–92 (Eng. Abstr.) **(Pol)**

[Effect of the choice of the day for study on the assessment of the dietary habits of Warsaw women] Narojek L, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):463–70 (Eng. Abstr.) **(Pol)**

[Chlorinated hydrocarbon residues in the blood of children from Warsaw and environs in 1980] Syrowatka T, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):433–7 (Eng. Abstr.) **(Pol)**

[Migration as a factor in the genetic heterogeneity of the population of large cities] Kalabushkin BA, et al. **Genetika (Moskva)** 1982 May;18(5):833–8 (Eng. Abstr.) **(Rus)**

[Congenital cleft lip and palate. Population frequency in

Moscow] Padrón Cáceres L, et al. **Genetika (Moskva)** 1982 May;18(5):844–7 (Eng. Abstr.) **(Rus)**

[Dynamics of the physical development of Smolensk schoolchildren] Dekhnich NA, et al. **Gig Sanit** 1981 Jun; (6):69 **(Rus)**

[Physical development of preschool children in Kirovsk, Murmansk Province] Oparin IA, et al. **Gig Sanit** 1982 Feb; (2):91–2 **(Rus)**

[Experimental prophylactic and prospective epidemiological studies of ischemic heart disease in Kaunas] Baubinene A, et al. **Kardiologiia** 1981 Sep;21(9):75–80 (Eng. Abstr.) **(Rus)**

[Registry data on acute myocardial infarct in Kaunas] Bluzhas IN, et al. **Kardiologiia** 1981 Sep;21(9):72–5 (Eng. Abstr.) **(Rus)**

[Assessment of ischemic heart disease risk factors in relation to mortality (data from a multiyear prospective study in Moscow)] Chubukova AL, et al. **Kardiologiia** 1982 Jan; 22(1):71–5 (Eng. Abstr.) **(Rus)**

[Results of the primary and secondary prevention of arterial hypertension among women at an industrial enterprise in Moscow] Eliseeva NA. **Kardiologiia** 1982 Mar;22(3):69–73 (Eng. Abstr.) **(Rus)**

[Multiyear prospective study of ischemic heart disease among a selected male population from one of the districts of Moscow. A comparison of the data from repeat examinations of the chosen population after 6 1/2 years] Kokurina EV, et al. **Kardiologiia** 1981 Sep;21(9):95–9 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of arterial hypertension at a city polyclinic with mass population screening] Shishova AM, et al. **Kardiologiia** 1982 Mar;22(3):66–9 (Eng. Abstr.) **(Rus)**

[Blood biochemical studies of Norilsk residents] Grinberg BA, et al. **Lab Delo** 1981;(10):607–8 (Eng. Abstr.) **(Rus)**

[Analysis of the injuries in road traffic accidents in a provincial center] Borisevich KN, et al. **Ortop Travmatol Protez** 1981 Nov;(11):47–9 **(Rus)**

[Family with 3 homozygotes with hereditary enzymopenic methemoglobinemia in the Uzbek population of Andizhan] Saliev KK, et al. **Probl Gematol Pereliv Krovi** 1981 Nov; 26(11):49–50 **(Rus)**

[Intensification of tuberculosis prevention measures in a large city] Al'khimovich VA. **Probl Tuberk** 1981 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

[Centralized control over the main tuberculosis prevention measures in a large city] Kornetov AS, et al. **Probl Tuberk** 1981 Jul;(7):3–6 (Eng. Abstr.) **(Rus)**

[Organization of follow-up fluorography of the Leningrad population] Vasil'ev AV, et al. **Probl Tuberk** 1982;(1):15–9 (Eng. Abstr.) **(Rus)**

[Consultation care for the urban population in government clinical hospitals] Kirillov VV, et al. **Sov Med** 1982; (1):68–71 **(Rus)**

[Medical first aid for the pediatric population in different types of cities] Buzova TS. **Sov Zdravookhr** 1981;(9):35–40 (Eng. Abstr.) **(Rus)**

[Urban population referrals for medical first aid because of acute gastrointestinal diseases] Korzenko VN, et al. **Sov Zdravookhr** 1981;(9):43–6 (Eng. Abstr.) **(Rus)**

[Experience in organizing preliminary medical examinations in large industrial cities] Kozliuk VM, et al. **Sov Zdravookhr** 1981;(11):17–20 (Eng. Abstr.) **(Rus)**

[Effect of water fluoridation on the prevalence and incidence of caries of the permanent teeth of Leningrad schoolchildren] Kliachkina LM, et al. **Stomatologiia (Mosk)** 1981;60(4):52–3 (Eng. Abstr.) **(Rus)**

[Characteristics of violent death in Moscow in 1974–1979] Velisheva LS, et al. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):19–22 **(Rus)**

[Determination of trace amounts of mercury in the hair of city inhabitants] Voronin VM, et al. **Sud Med Ekspert** 1981 Oct–Dec;24(4):47–8 **(Rus)**

[Polymorphism and population genetics of glyoxalase I in Moscow inhabitants] Zaretskaia EF. **Sud Med Ekspert** 1982 Apr–Jun;25(2):30–3 **(Rus)**

[Pseudotuberculosis in Leningrad] Bogoiavlenskii GV, et al. **Tr Inst Pastera** 1980;55:54–8 **(Rus)**

[Epidemiological aspects of toxoplasmosis in Leningrad and Leningrad Province] Riabova LF. **Tr Inst Pastera** 1980; 55:70–4 **(Rus)**

[Epidemiological characteristics of rubella in Leningrad] Rusanova AK, et al. **Tr Inst Pastera** 1979;53:58–65 **(Rus)**

[Characteristics of the epidemic process in mumps in cities differing in population size] Rykushin IuP, et al. **Tr Inst Pastera** 1979;53:43–50 (Eng. Abstr.) **(Rus)**

[Postvaccinal measles immunity characteristics of Leningrad children] Smorodinova IP, et al. **Tr Inst Pastera** 1979; 53:66–70 (Eng. Abstr.) **(Rus)**

[Family status and the educational level of urban and rural inhabitants with gonorrhea] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1981 Aug;(8):38–42 (Eng. Abstr.) **(Rus)**

[Prevalence of chronic upper respiratory tract and ear diseases among the adult and adolescent populations living in Moscow] Kuznetsov VS, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):55–9 (Eng. Abstr.) **(Rus)**

[Morbidity of leukemia and other hemoblastoses in an urban population] Baziian GV, et al. **Vopr Onkol** 1982;28(7):67–72 (Eng. Abstr.) **(Rus)**

[Analysis of the morbidity and status of surgical care in colonic cancer in Moscow] Brusilovskii MI, et al. **Vopr Onkol** 1982;28(8):74–7 **(Rus)**

[Rectal cancer morbidity in the city of Moscow] Brusilovskii MI, et al. **Vopr Onkol** 1981;27(8):65–8 **(Rus)**

[Energy expenditure, practical nutrition and the state of metabolic processes in the drivers of city passenger transportation] Smoliar VI, et al. **Vopr Pitan** 1982 Jan–Feb; (1):31–4 (Eng. Abstr.) **(Rus)**

[Respiratory tract diseases in city dwellers] Putintsev VI, et al. **Vrach Delo** 1981 Sep;(9):96–7 (Eng. Abstr.) **(Rus)**

URBAN RENEWAL

see related
HOUSING

[The urban environment and mental health. Evaluation problems] Charenzowski L, et al. **Arch Belg Med Soc** 1981 May;39(5):292–300 **(Fre)**

URBANIZATION

The influence of the process of urbanization on the prevalence of neurosis. A community survey. Vázquez Barquero JL, et al. **Acta Psychiatr Scand** 1982 Mar; 65(3):161–70

The relative influence of urban climates on outdoor human energy budgets and skin temperature. II. Man in an urban environment. Burt JE, et al. **Int J Biometeorol** 1982 Mar; 26(1):25–35

The relative influence of urban climates on outdoor human energy budgets and skin temperature. I. Modeling considerations. Burt JE, et al. **Int J Biometeorol** 1982 Mar; 26(1):3–23

Kava, alcohol and tobacco consumption among Tongans with urbanization. Finau SA, et al. **Soc Sci Med** 1982; 16(1):35–41

[Relation between emission density and environmental impact as exemplified by SO2 and sedimentation dust in heavily populated centers] Bredel H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):237–41 (Eng. Abstr.) **(Ger)**

[Social hygiene aspects of urbanization] Pogorelov IaD. **Sov Zdravookhr** 1981;(7):40–4 **(Rus)**

UREA

see related
BLOOD UREA NITROGEN

One-step separation of the subunits of alpha-crystallin by chromatofocusing in 6 M urea. Bloemendal H, et al. **Anal Biochem** 1981 Nov 1;117(2):327–9

A triton X-100 acid urea electrophoresis system for the rapid analysis of low specific activity globins. Mezl VA, et al. **Anal Biochem** 1981 Nov 1;117(2):452–8

The calculation of partial specific volumes of proteins in 8 M urea solution. Prakash V, et al. **Anal Biochem** 1981 Nov 1;117(2):330–5

Interactions of proteins with solvent components in 8 M urea. Prakash V, et al. **Arch Biochem Biophys** 1981 Sep; 210(2):455–64

Unfolding of lac repressor and its proteolytic fragment by urea: headpieces stabilize the core within lac repressor. Schnarr M, et al. **Biochemistry** 1981 Oct 13;20(21):6164–9

Properties of apolipoprotein B in urea and in aqueous buffers. The use of glutathione and nitrogen in its solubilization. Lee DM, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):133–46

Health implications of urea-formaldehyde foam insulation. Wiberg GS, et al. **Can J Public Health** 1981 Sep–Oct; 72(5):335–8

Differential effect of urea on the migration of collagenous and non-collagenous polypeptides in SDS gels: basis for their separation by two-dimensional electrophoresis. Duhamel RC, et al. **Coll Relat Res** 1981 Feb;1(2):201–7

Mutagenicity of pyrolysates from guanidine, ureide, secondary amines and polyamines found by the Salmonella/mammalian-microsome test. Ohe T. **Mutat Res** 1982 May;101(3):175–87

Lipid-nylon membrane artificial cells containing multienzyme systems, cofactors and substrates for the sequential conversion of ammonia and urea into glutamate. Yu YT, et al. **Trans Am Soc Artif Intern Organs** 1981; 27:535–8

ADMINISTRATION & DOSAGE

The treatment of active chronic psoriasis: a comparison of the effectiveness of a preparation containing 0.1% dithranol and 17% urea in a cream base and 0.1% dithranol in Lassar's past B.P.C. Portnoy B, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):459–61

Eleven years experience of oral urea treatment in liver malignancies. Danopoulos ED, et al. **Clin Oncol** 1981 Dec; 7(4):281–9

Liver arginase activity and urea metabolism in beef heifers fed urea diets and abomasally infused with arginine and(or) ammonium acetate. Koenig JM, et al. **J Anim Sci** 1982 Feb;54(2):426–33

A double-blind randomized trial of low-dose oral urea to prevent sickle cell crises. Gail M, et al. **J Chronic Dis** 1982 Feb;35(2):151–61

[Epidermal reaction against hydrocortisone in different ointment bases (author's transl)] Wohlrab W, et al. **Dermatol Monatsschr** 1982 Apr;168(4):236–42 (Eng. Abstr.) **(Ger)**

[Clinical trial of LA-1225 shampoo and lotion in seborrheic dermatitis and of LA-1275 shampoo and lotion in pityriasis sicca] Cerdán M, et al. **Actas Dermosifiliogr** 1981 Sep–Oct; 72(9–10):505–10 **(Spa)**

ADVERSE EFFECTS

Current status of urea-formaldehyde foam insulation [editorial] Campbell JS, et al. **Can Med Assoc J** 1981 Aug 15;125(4):329–31

Occupational asthma caused by cedar urea formaldehyde particle board. Cockcroft DW, et al. **Chest** 1982 Jul; 82(1):49–53

Skin reactions to a urea-containing cream. Cramers M, et al. **Contact Dermatitis** 1981 Jul;7(4):189–91

ANALOGS & DERIVATIVES

Importance of molecular size and hydrogen bonding in vasopressin-stimulated urea transport. Petrucelli RJ 2d, et al. **Am J Physiol** 1982 Jul;243(1):C27–34

Simple estimate of ureides in soybean tissue. Patterson TG, et al. **Anal Biochem** 1982 Jan 1;119(1):90–5

Iodination of proteins, glycoproteins, and peptides using a solid-phase oxidizing agent, 1,3,4,6-tetrachloro-3 alpha,6 alpha-diphenyl glycoluril (Iodogen). Salacinski PR, et al. **Anal Biochem** 1981 Oct;117(1):136–46

Use of iodo-gen and iodine-125 to label the outer membrane proteins of whole cells of Neisseria gonorrhoeae. Sullivan KH, et al. **Anal Biochem** 1982 Mar 1;120(2):254–8

2-Cyanoethyl urea and its derivatives as potential immunostimulants in experimental cancer therapy. von Ardenne M, et al. **Arch Geschwulstforsch** 1981;51(6):485–91

Interactions of human serum albumin with some alkylureas. Pavlič A, et al. **Biochim Biophys Acta** 1981 Jun 29; 669(1):60–4

Axonal transport of enzymes and labeled proteins in experimental axonopathy induced by p-bromophenylacetylurea. Jakobsen J, et al. **Brain Res** 1981 Dec 14;229(1):103–22

Effect of topical application of urea peroxide on caries incidence and plaque accumulation in rats. Firestone AR, et al. **Caries Res** 1982;16(2):112–7

Prostatic acid phosphatase, purification and iodination using Iodogen. Skinningsrud A, et al. **Clin Chim Acta** 1982 Mar 26;120(1):29–40

Pharmacokinetics of 14C-2-allophanyl-2-allyl -gamma-valero-lactone: a prodrug of proxibarbal in rats. Lambrey B, et al. **Eur J Drug Metab Pharmacokinet** 1981; 6(3):161–9

Clinical and electrophysiological characteristics of the experimental neuropathy caused by p-bromophenylacetylurea. Jakobsen J, et al. **Exp Neurol** 1982 Jan;75(1):158–72

Derivatives of 5,7,7-trimethyl-6-oxa-3-azabicyclo[3.2.2.] nonane with antiarrhythmic, local anesthetic and hypotensive activities. III. Mariani E, et al. **Farmaco [Sci]** 1982 Jan;37(1):36–47

Synthesise and neuropharmacology of butyrylureas. Zirvi KA, et al. **Farmaco [Sci]** 1982 May;37(5):335–42

Experiences using chloramine-T and 1, 3, 4, 6-tetrachloro-3 alpha, 6 alpha-diphenylglycoluril (Iodogen) for radioiodination of materials for radioimmunoassay. Wood WG, et al. **J Clin Chem Clin Biochem** 1981 Oct; 19(10):1051–6

Cyclic urea and thiourea derivatives as inducers of murine erythroleukemia differentiation. Li C, et al. **J Med Chem** 1981 Sep;24(9):1089–92

Inhibitors of gastric acid secretion: 3,4-diamino-1,2,5-thiadiazole 1-oxides and 1,1-dioxides as urea equivalents in a series of histamine H2-receptor antagonists. Lumma WC Jr, et al. **J Med Chem** 1982 Mar; 25(3):207–10

Thermodynamics of anti-sickling agents with hemoglobin S. Benedict RC, et al. **J Mol Biol** 1981 Aug 15; 150(3):423–34

Radioiodination of parasite antigens with 1,3,4,6-tetrachloro-3 alpha, 6 alpha-diphenylglycoluril (IODOGEN): studies with zygotes of Plasmodium gallinaceum. Howard RJ, et al. **J Protozool** 1982 Feb; 29(1):114–7

Radiolabeling of fibrinogen using the iodogen technique. Knight LC, et al. **Thromb Haemost** 1981 Oct;46(3):593–6

[On anticonvulsive properties of ethyl phenyl allophanate (SCS 35), (author's transl)] Foussard-Blanpin O, et al. **Ann Pharm Fr** 1980;38(6):521–8 (Eng. Abstr.) **(Fre)**

[Effect of collagen, hydroxylapatite and Geslastypt-S on a cell culture] Joos U, et al. **Dtsch Zahnarztl Z** 1982 Jan; 37(1):22–4 **(Ger)**

[The elevation of the leucocyte and thrombocyte counts produced by a thyme extract in the peripheral blood as compared to that caused by 2-cyanoethylurea (author's transl)] von Ardenne M, et al. **Pharmazie** 1981 Oct; 36(10):703–5 (Eng. Abstr.) **(Ger)**

[Ratio of the mutation spectrum to the physiological state of the Penicillium chrysogenum cell. Auxotrophic mutations induced by N-nitroso-N-methylbiuret in exposure at different stages of DNA replication] Zakharova GM, et al. **Antibiotiki** 1981 Aug;26(8):600–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Evaluation of a rapid method for the determination of urea in cow's milk. Oltner R, et al. **Acta Vet Scand** 1982; 23(1):39–45

Automated determination of urea and ammoniacal nitrogen (NPN) in animal feeds. Wall LL, et al. **J Assoc Off Anal Chem** 1981 Sep;64(5):1092–5

A colorimeter for measurement of picomole quantities of urea. Vurek GG, et al. **Kidney Int** 1982 Apr;21(4):656–8

[Effect of crude protein on fertility and urea content of the body fluids of high-yielding cows] Piatkowski B, et al. **Arch Tierernahr** 1981 Jul;31(7–8):497–504 (Eng. Abstr.) **(Ger)**

[Stability and stabilization of urea- and prednisolone-containing emulsion ointments] Horsch W, et al. **Pharmazie** 1981 Jun;36(6):447–8 **(Ger)**

[Determination of urea content in milk using test strips (REFLOTEST- Urea) and reflection photometer (REFLOMAT)] Schillinger D, et al. **Zentralbl Veterinarmed [A]** 1981;28(9–10):768–73 (Eng. Abstr.) **(Ger)**

[Concentration of creatinin, acidum uricum and urea in amniotic fluid is an indicator of gestational age (author's transl)] Todorovski C, et al. **God Zb Med Fak Skopje** 1979 Jan;25:219–26 (Eng. Abstr.) **(Mac)**

[Kinetics of continuous ambulatory peritoneal dialysis. III. Urea, creatinine, inulin, sodium, potassium and phosphorus in the blood plasma and dialysate] Majdan M, et al. **Pol Arch Med Wewn** 1981 Feb;65(2):131–40 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Arginine metabolism and urea synthesis in cultured rat skeletal muscle cells. Pardridge WM, et al. **Am J Physiol** 1982 Feb;242(2):E87–92

Control of urea synthesis in fetal rat liver slices. Husson A, et al. **Biol Neonate** 1981;40(5–6):224–31

Alpha 1-adrenoceptor activation stimulates ureogenesis in rat hepatocytes. Corvera S, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):387–90

Effects of peptide hormones on urea- and glycogen-synthesis of isolated hepatocytes and the influence of a toxic factor from burnt mouse and human skin. Schölmerich J, et al. **Horm Metab Res** 1982 Feb;14(2):80–4

Urea synthesis in moderate experimental uremia. Abitbol C, et al. **Kidney Int** 1981 May;19(5):648–53

Treatment of inborn errors of urea synthesis: activation of alternative pathways of waste nitrogen synthesis and excretion. Batshaw ML, et al. **N Engl J Med** 1982 Jun 10;306(23):1387–92

Increased ureagenesis and impaired nitrogen use during infusion of a synthetic amino acid formula: a controlled trial. Smith JL, et al. **N Engl J Med** 1982 Apr 29; 306(17):1013–8

Short-term regulation of urea synthesis. **Nutr Rev** 1981 May; 39(5):219–21

BLOOD

Postprandial changes in plasma urea and creatinine concentrations in dogs. Watson AD, et al. **Am J Vet Res** 1981 Nov;42(11):1878–80

Why plasma electrolytes? Morgan DB. **Ann Clin Biochem** 1981 Sep;18(Pt 5):275–80

Effects of different diuretics on tetracycline-induced hyperuraemia and hypercreatininaemia in the rat. Touvay C, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):307–18

Comparison of several laboratory tests for quantifying azotaemia in dogs. Watson AD, et al. **Aust Vet J** 1981 Sep;57(9):407–10

Effects of cold exposure on feed protein degradation, microbial protein synthesis and transfer of plasma urea to the rumen of sheep. Kennedy PM, et al. **Br J Nutr** 1982 May;47(3):521–35

The use of the Beckman BUN Analyser to determine the urea concentration in whole blood. Heick HM, et al. **Clin Biochem** 1981 Apr;14(2):102–3

Urea, glucose and alanine kinetics in man: effects of glucose infusion. Royle GT, et al. **Clin Sci** 1982 May;62(5):553–6

Plasma urea and creatinine status in chronic alcoholics. Majumdar SK, et al. **Drug Alcohol Depend** 1982 Apr; 9(2):97–100

Lesch-Nyhan syndrome-like behavior in rats from caffeine ingestion: changes in HGPRTase activity, urea and some nitrogen metabolism enzymes. Ferrer I, et al. **FEBS Lett** 1982 May 17;141(2):275–8

A multicentre european evaluation of the Kodak EKTACHEM GLU/BUN analyzer using NCCLS guidelines and other approaches. Burnett D, et al. **J Clin Chem Clin Biochem** 1982 Apr;20(4):207–15

Drug interference with reagent strip method for measuring urea [letter] Gregory J, et al. **Lancet** 1982 Aug 21; 2(8295):443

10. Normal values. O'Brien PC, et al. **Mayo Clin Proc** 1981 Oct;56(10):639–40

[Changes in total protein, protein fractions, urea and creatine in duodenal ulcer and cholelithiasis before and after surgery] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1981; 34(6):522–6 (Eng. Abstr.) **(Bul)**

[Urea content in the blood serum and fertility in cows] Marinov S. **Vet Med Nauki** 1981;18(1):32–8 (Eng. Abstr.) **(Bul)**

[Urea in psoriatic patients' blood (author's transl)] Konopík J, et al. **Cesk Dermatol** 1982 Feb;57(1):20–2 (Eng. Abstr.) **(Cze)**

[Concentration of urea in blood, a parameter for the assessment of protein metabolism of pregnant sows. 1. Development of the concentration of urea in blood after the intake of proteins and its relation to N-excretion in urine] Herrmann U, et al. **Arch Tierernahr** 1981 Jul; 31(7–8):471–9 (Eng. Abstr.) **(Ger)**

[The full enzyme determination of urea in the serum] Müller-Matthesius R, et al. **Internist (Berlin)** 1981 Dec; 22(12):758–61 **(Ger)**

[Effects of haemolysis, urea and bilirubin on the precision of digoxin and insulin radioimmunoassays (author's transl)] Dwenger A, et al. **J Clin Chem Clin Biochem** 1982 Jan; 20(1):29–38 (Eng. Abstr.) **(Ger)**

[The significance of transcellular transport kinetics of urea and creatinine for haemodialysis (author's transl)] Zimmermann E, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):519–21 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

How to catch urea? Considerations on urea removal from hemofiltrate. Lehmann HD, et al. **Artif Organs** 1981 Aug; 5(3):278–85

METABOLISM

Transfer of urea, sodium, and chloride across the perfused human placenta. Dancis J, et al. **Am J Obstet Gynecol** 1981 Nov 15;141(6):677–81

Active urea transport through isolated skins of frog and toad. Garcia-Romeu F, et al. **Am J Physiol** 1981 Sep; 241(3):R114–23

Dissociation of saline-induced natriuresis from urea washout in the rat. Gennari FJ, et al. **Am J Physiol** 1981 Sep; 241(3):F250–6

Amino acid release from the hindquarter and urea appearance in acute uremia. Mitch WE. **Am J Physiol** 1981 Dec; 241(6):E415–9

Ontogeny of blood-brain barrier permeability to, and cerebrospinal fluid sink action on, [14C]urea. Parandoosh Z, et al. **Am J Physiol** 1982 Sep;243(3):R400–7

Importance of molecular size and hydrogen bonding in vasopressin-stimulated urea transport. Petrucelli RJ 2d, et al. **Am J Physiol** 1982 Jul;243(1):C27–34

The thermodynamics of lysozyme denaturation by urea. Characterization of an unfolding intermediate by absorption spectrophotometry in the far and middle ultraviolet region. Hampe OG, et al. **An Acad Bras Cienc** 1981 Mar; 53(1):47–55

Interaction of urea with lysozyme: study by the far and middle ultraviolet region absorption spectra. Hampe OG, et al. **An Acad Bras Cienc** 1981 Mar;53(1):33–41

Gas chromatography/mass spectrometric determination of [15N]urea in plasma and application to urea metabolism study. Tserng KY, et al. **Anal Chem** 1982 Mar;54(3):489–91

Mass transfer of urea through blood. Steiner CA. **Ann Biomed Eng** 1981;9(3):217–25

The effect of burn wound size on ureagenesis and nitrogen balance. Kagan RJ, et al. **Ann Surg** 1982 Jan;195(1):70–4

Raised plasma urea levels after myocardial infarction. Errors. [letter] Gillespy WG. **Arch Intern Med** 1981 Nov; 141(12):1722

Development of means to augment peritoneal urea clearances: the synergistic effects of combining high dialysate temperature and high dialysate flow rates with dextrose and nitroprusside. De Santo NG, et al. **Artif Organs** 1981 Nov;5(4):409–14

Fibrin membrane endowed with biological function. VII. An approach to an artificial liver; conversion of ammonia to urea in vitro. Hagiwara H, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):507–11

Effect of streptozotocin diabetes on some urea cycle enzymes. Jordá A, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):37–43

Growth hormone and rat liver mitochondria: effects on urea cycle enzymes. Palekar AG, et al. **Biochem Biophys Res Commun** 1981 Jun;100(4):1604–10

Urea, altered renal function, and vasopressin in Reye-Johnson syndrome. Kang ES, et al. **Biochem Med** 1982 Feb;27(1):121–34

Foetal and maternal rates of urea production and disposal in well-nourished and undernourished sheep. Hodgson JC, et al. **Br J Nutr** 1982 Jul;48(1):49–58

Influences of dietary sucrose and urea on transfer of endogenous urea to the rumen of sheep and numbers of epithelial bacteria. Kennedy PM, et al. **Br J Nutr** 1981 Nov;46(3):533–41

Effects of removal of the forestomach and caecum on the utilization of dietary urea in golden hamsters (Mesocricetus auratus) given two different diets. Sakaguchi E, et al. **Br J Nutr** 1981 Nov;46(3):503–12

Urea handling by the distal tubule and collecting duct of the rat during urea--saline, isotonic saline, or urea diuresis. Sonnenberg H, et al. **Can J Physiol Pharmacol** 1982 Feb; 60(2):128–33

Disposition of urea following intravenous administration to rats. Iwamoto K, et al. **Chem Pharm Bull (Tokyo)** 1982 Apr;30(4):1422–9

Absorption and distribution of creatinine and urea in hereditary muscular dystrophic mice. Watanabe J, et al. **Chem Pharm Bull (Tokyo)** 1981 Nov;29(11):3356–62

The ornithine-urea cycle: biosynthesis and regulation of carbamyl phosphate synthetase I and ornithine transcarbamylase. Cohen PP. **Curr Top Cell Regul** 1981; 18:1–19 (117 ref.)

Diagnostic value of serum and urine urea in postoperative complications. Saksø P, et al. **Dan Med Bull** 1981 Aug; 28(3):126–7

Computer simulation of the urea cycle: trials for an appropriate model. Bachmann C, et al. **Enzyme** 1981; 26(5):259–64

Control of urea cycle enzymes in rat liver by glucagon. Brebnor L, et al. **Enzyme** 1981;26(5):265–70

Some regulatory aspects of urea synthesis. Colombo JP. **Enzyme** 1981;26(5):225–32 (44 ref.)

Changes in the levels of urea cycle enzymes and in metabolites thereof in diabetes. Jordá A, et al. **Enzyme** 1981; 26(5):240–4

Activity of orotate metabolizing enzyme complex and various urea-cycle enzymes in mutant mice with ornithine transcarbamylase deficiency. Qureshi IA, et al. **Experientia** 1982 Mar 15;38(3):308–9

An immobilized cyclic multi-step enzyme system -- the urea cycle. Siegbahn N, et al. **FEBS Lett** 1982 Jan 11;137(1):6–10

Effects of lactulose and neomycin on urea metabolism in cirrhotic subjects. Weber FL Jr, et al. **Gastroenterology** 1982 Feb;82(2):213–7

Increased excretion of urea and N tau -methylhistidine by rats and humans after a bout of exercise. Dohm GL, et al. **J Appl Physiol** 1982 Jan;52(1):27–33

Effects of lung inflation on alveolar epithelial solute and water transport properties. Kim KJ, et al. **J Appl Physiol** 1982 Jun;52(6):1498–505

Isotopic analysis of leucine and urea metabolism in exercising humans. Wolfe RR, et al. **J Appl Physiol** 1982 Feb; 52(2):458–66

Subcellular location of glutamine synthetase and urea cycle enzymes in liver of spiny dogfish (Squalus acanthias). Casey CA, et al. **J Biol Chem** 1982 Jul 25;257(14):8449–53

Induction of urea cycle enzymes by glucagon and dexamethasone in monolayer cultures of adult rat hepatocytes. Lin RC, et al. **J Biol Chem** 1982 May 10; 257(9):5061–7

Total and individual amino acids in strained ruminal liquor from cows fed graded amounts of urea. Broderick GA, et al. **J Dairy Sci** 1981 Aug;64(8):1731–7

Factors influencing intake of high urea-containing rations by lactating dairy cows. Kertz AF, et al. **J Dairy Sci** 1982 Apr;65(4):587–604

Urea cycle enzymes and glutamate dehydrogenase in Xenopus laevis and Bufo viridis adapted to high salinity. Lee AR, et al. **J Exp Zool** 1982 Jun 10;221(2):169–72

Evidence of lack of toxicity of sodium phenylacetate and sodium benzoate in treating urea cycle enzymopathies. Batshaw ML, et al. **J Inherited Metab Dis** 1981;4(4):231

Absorption, distribution and elimination of creatinine and urea in hyperthyroid mice. Hirate J, et al. **J Pharmacobiodyn** 1982 Mar;5(3):179–86

Disposition of creatinine and urea in bilaterally nephrectomized rats. Watanabe J, et al. **J Pharmacobiodyn** 1981 Aug;4(8):596–603

Benzoate-induced changes in glycine and urea metabolism in patients with chronic renal failure. Mitch WE, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):572–5

Nitrogen and urea metabolism during continuous ambulatory peritoneal dialysis. Blumenkrantz MJ, et al. **Kidney Int** 1981 Jul;20(1):78–82

Ammonia partitioning between glutamine and urea: interorgan participation in metabolic acidosis. Phromphetcharat V, et al. **Kidney Int** 1981 Nov; 20(5):598–605

Metabolism of urea and glucose in normal and diabetic pregnancy. Kalhan SC, et al. **Metabolism** 1982 Aug; 31(8):824–33

Urea cycle enzymes in human liver: ontogenesis and interaction with the synthesis of pyrimidines and polyamines. Karsai T, et al. **Mol Cell Biochem** 1982 Mar 19;43(2):105–10

The urinary concentrating mechanism: advances and unsolved problems. Berliner RW. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):839–47 (34 ref.)

Antenatal diagnosis of defects of ureagenesis. Goodman SI. **Pediatrics** 1981 Sep;68(3):446–7

Newborn screening of urea cycle disorders. Naylor EW. **Pediatrics** 1981 Sep;68(3):453–7

Carrier detection of urea cycle disorders. Ng WG, et al. **Pediatrics** 1981 Sep;68(3):448–52

Influence of hypertonic bolus injection on capillary transport of water, urea and albumin in dog lung. Theven D, et al. **Pflugers Arch** 1982 Feb;392(4):388–93

Routine clinical use of urea kinetics (UK) to guide the individualized dialysis (D) prescription. Cestero RV, et al. **Proc Clin Dial Transplant Forum** 1980;10:308–10

Urea removal in closed-loop hemodialysis by direct electrolysis. Wolfson SK Jr, et al. **Proc Clin Dial Transplant Forum** 1980;10:29–34

Arachidonic acid increases peritoneal clearances. Hirszel P, et al. **Trans Am Soc Artif Intern Organs** 1981;27:61–3

Effects of abomasal infusions of casein on N excretion and urea turnover in sheep. Moctar M, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(1–2):33–8

[Utilization of urea infused into the abomasum in growing

lambs] Becker K, et al. **Arch Tierernahr** 1982 Jan; 32(1):27–32 (Eng. Abstr.) **(Ger)**

[Studies on the effect of phosphoric phenyl ester diamide as inhibitor of the rumen urease of diary cows. 2. The metabolism of 15N-urea] Voigt J, et al. **Arch Tierernahr** 1980 Dec;30(10–12):825–34 (Eng. Abstr.) **(Ger)**

[Penetration kinetic of urea in human skin (author's transl)] Wohlrab W, et al. **Dermatol Monatsschr** 1981 May; 167(5):277–83 (Eng. Abstr.) **(Ger)**

[Urea as a substrate for the intestinal flora of the infant (author's transl)] Heine W, et al. **Monatsschr Kinderheilkd** 1982 May;130(5):284–6 (Eng. Abstr.) **(Ger)**

[The nature of urea transport across the skin of of Rana esculenta] Svelto M, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):752–5 (Eng. Abstr.) **(Ita)**

[Urea generation in dialysis treatment. Comparison of 2 methods] Arisi L, et al. **Minerva Nefrol** 1982 Jan–Mar; 29(1):37–42 (Eng. Abstr.) **(Ita)**

[A comment on the evolution of urea cycle (author's transl)] Matsuzawa T. **Seikagaku** 1981;53(5):333–6 **(Jpn)**

[Inhibition of ureolysis in rat intestine with thiopeptin and bicyclomycin in vivo and in vitro (author's transl)] Takebe S, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1124–8 (Eng. Abstr.) **(Jpn)**

[Effect of typical representatives of urinary and manned sealed-cabin microflora on the hydrolysis of urea] Lebedeva TE, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):84–6 **(Rus)**

[Secretion of endogenous urea into the cecum in sheep] Feješ J, et al. **Vet Med (Praha)** 1982 Feb;27(2):75–80 (Eng. Abstr.) **(Slo)**

[Urea cycle enzymes in rats fed with corn] Noriega Ponce P, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):698–713 (Eng. Abstr.) **(Spa)**

[Elevation of plasma urea by selective reduction of urea clearance] Praga M, et al. **Rev Clin Esp** 1981 Sep 30; 162(6):297–9 **(Spa)**

PHARMACODYNAMICS

Effects of vasopressin and urea on Ca2+-calmodulin-dependent renal prostaglandin E. Craven PA, et al. **Am J Physiol** 1981 Dec;241(6):F649–58

NaCl transport in mouse medullary thick ascending limbs. III. Modulation of the ADH effect by peritubular osmolality. Hebert SC, et al. **Am J Physiol** 1981 Oct; 241(4):F443–51

Electron microscopic studies of rat sperm heads treated with urea, dithiothreitol, and micrococcal nuclease. Sobhon P, et al. **Anat Rec** 1981 Oct;201(2):225–35

Distribution and changes in urease (EC 3.5.1.5) activity in Rumen Simulation Technique (Rusitec). Czerkawski JW, et al. **Br J Nutr** 1982 Mar;47(2):331–48

Stepwise dissociation/denaturation and reassociation/renaturation of bovine alpha-crystallin in urea and guanidine hydrochloride: sedimentation, fluorescence, near-ultraviolet and far-ultraviolet circular dichroism studies. Siezen RJ, et al. **Exp Eye Res** 1982 Jun; 34(6):969–83

Dissociation of CNPase dimer into catalytically active monomers by 1,4-dithiothreitol and urea. Protein-promoted reassembly. Müller HW. **FEBS Lett** 1982 Jul 19;144(1):77–80

The genetics of Drosophila subobscura populations. XVII. Further genic heterogeneity within electromorphs by urea denaturation and the effect of the increased genic variability on linkage disequilibrium studies. Loukas M, et al. **Genetics** 1981 Feb;97(2):429–41

Role of aliphatic alcohols & alkyl ureas on the stability & aggregation of skin collagen of Ophiocephalus striatus. Rama S, et al. **Indian J Biochem Biophys** 1981 Oct; 18(5):375–6

Ammonia toxicity in cattle. V. Ammonia concentration of lymph and portal, carotid and jugular blood after the ingestion of urea. Bartley EE, et al. **J Anim Sci** 1981 Aug; 53(2):494–8

Reconstitution of urea-dissociated subunits of a pig heart phosphoprotein phosphatase. Imazu M, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):851–62

Urea and methylamine effects on rabbit muscle phosphofructokinase. Catalytic stability and aggregation state as a function of pH and temperature. Hand SC, et al. **J Biol Chem** 1982 Jan 25;257(2):734–41

Effects of hyperosmolality on calcium mobilization in renal inner medulla: relationship to alterations in prostaglandin E synthesis. Craven PA, et al. **J Lab Clin Med** 1982 Jun; 99(6):806–15

Contraction and dissociation of the bacteriophage T4 tail sheath induced by heat and urea. Arisaka F, et al. **Prog Clin Biol Res** 1981;64:365–79

A rapid method for the determination of urea stable lactate dehydrogenase on the 'Cobas Bio' centrifugal analyser. Karlsen RL, et al. **Scand J Clin Lab Invest** 1981 Sep; 41(5):513–6

Jk(a–b–) red blood cells resist urea lysis. Heaton DC, et al. **Transfusion** 1982 Jan–Feb;22(1):70–1

[Effect of urea and heating on lactate dehydrogenase and glucose-6-phosphate dehydrogenase activity] Stabrovskaia VI, et al. **Biofizika** 1982 May–Jun;27(3):371–4 (Eng. Abstr.) **(Rus)**

[Dependence of muscle protein ATPase and creatine kinase activities and actomyosin filaments contractility on urea concentration] Suzdal'skaia IP, et al. **Biofizika** 1982 Mar–Apr;27(2):230–2 (Eng. Abstr.) **(Rus)**

[Mechanisms of the change in blood electrical conductivity on the administration of dehydrating substances] Vainshtein GB, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):45–51 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Urea elimination using a cold activated-carbon artificial tubulus for hemofiltration. Lehmann HD, et al. **Artif Organs** 1981 Nov;5(4):351–6

Effects of urea on electrolyte transport in the dog kidney. Wong NL, et al. **J Lab Clin Med** 1981 Nov;98(5):741–50

SECRETION

[Secretion of endogenous urea into the rumen in ruminants (author's transl)] Várady J. **DTW** 1981 Oct 5;88(10):443–5 (38 ref.) **(Ger)**

THERAPEUTIC USE

The treatment of active chronic psoriasis: a comparison of the effectiveness of a preparation containing 0.1% dithranol and 17% urea in a cream base and 0.1% dithranol in Lassar's past B.P.C. Portnoy B, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):459–61

Urea for long-term treatment of syndrome of inappropriate secretion of antidiuretic hormone. Decaux G, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1081–3

The treatment of fungus and yeast infections of nails by the method of 'chemical removal'. White MI, et al. **Clin Exp Dermatol** 1982 May;7(3):273–6

Urea--treatment of liver metastases [letter] Danopoulos ED, et al. **Clin Oncol** 1981 Dec;7(4):385–7

Comparative trial of benzoyl peroxide versus benzoyl peroxide with urea in inflammatory acne. Prince RA, et al. **Cutis** 1982 Jun;29(6):638–40, 644–5

The effects of urea treatment in combination with curettage in extensive lip cancers. Danopoulos ED, et al. **J Surg Oncol** 1982 Mar;19(3):127–31

Hyponatremia in the syndrome of inappropriate secretion of antidiuretic hormone. Rapid correction with urea, sodium chloride, and water restriction therapy. Decaux G, et al. **JAMA** 1982 Jan 22–29;247(4):471–4

Treatment of chronic plaque psoriasis with dithranol and urea creams: a double-blind study. Young MM. **Pharmatherapeutica** 1982;3(2):86–92

The treatment of chronic psoriasis a two-centre comparative study. Khan SA, et al. **Practitioner** 1981 Jun; 225(1356):932–4

[Effects of urea containing ointments on epidermis (author's transl)] Wohlrab W. **Dermatol Monatsschr** 1981 Sep; 167(9):551–7 (Eng. Abstr.) **(Ger)**

[Dithranol-urea treatment of chronic psoriasis. A comparison of 0,1% dithranol + 17% urea with triamcinolone acetonite 0,1% and phototherapy (author's transl)] Ernst TM. **Z Hautkr** 1981 Sep 15;56(18):1197–206 (Eng. Abstr.) **(Ger)**

TOXICITY

Absence of urea toxicity in young pigs. Button C, et al. **J S Afr Vet Assoc** 1982 Mar;53(1):67–8

URINE

Urinary urea: are currently available methods adequate for revival of an almost abandoned test? Eckfeldt J, et al. **Clin Chem** 1982 Jul;28(7):1500–2

Renal urea handling in goats fed high and low protein diets. Eriksson L, et al. **J Dairy Sci** 1982 Mar;65(3):385–9

An evaluation of the diurnal rhythm of urea excretion in healthy young adults. Steffee WP, et al. **JPEN** 1981 Sep-Oct;5(5):378–84

15N end-product methods for the study of whole body protein turnover. Waterlow JC. **Proc Nutr Soc** 1981 Sep; 40(3):317–20 (18 ref.)

[Correlation between total urinary nitrogen and urinary carbamide] Jensen S. **Ugeskr Laeger** 1982 Feb 22; 144(8):550–2 (Eng. Abstr.) **(Dan)**

[Urea production rate - a parameter of the catabolism in burns] Balogh D, et al. **Z Plast Chir** 1981 Sep;5(3):190–4 (Eng. Abstr.) **(Ger)**

[Experimental and clinical observations on urea excretion in renal failure (author's transl)] Ando A. **Nippon Jinzo Gakkai Shi** 1981 Oct;23(10):1303–18 (Eng. Abstr.) **(Jpn)**

UREAPLASMA

[Triple bacterial infection of the cervix uteri in benign gonococcal sepsis] Korting HC, et al. **Fortschr Med** 1982 Apr 22;100(15):693–5 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

Comparison of human and animal Ureaplasmas by one- and two-dimensional protein analysis on polyacrylamide slab gel. Mouches C, et al. **Ann Microbiol (Paris)** 1981 Sep-Oct; 132B(2):171–96

Fourteen serotypes of ureaplasma urealyticum (T-mycoplasmas) demonstrated by the complement-dependent mycoplasmacidal test. Lin JS, et al. **Infection** 1980;8(4):152–5

Expanded serotyping scheme for Ureaplasma urealyticum strains isolated from humans. Robertson JA, et al. **J Clin Microbiol** 1982 May;15(5):873–8

Modified colony indirect epifluorescence test for serotyping Ureaplasma urealyticum and an adaptation to detect common antigenic specificity. Stemke GW, et al. **J Clin Microbiol** 1981 Nov;14(5):582–4

Serological characterisation of Ureaplasma urealyticum strains by enzyme-linked immunosorbent assay (ELISA). Turunen H, et al. **J Clin Pathol** 1982 Apr;35(4):439–43

Identification of ureaplasmas from cattle using antisera prepared in gnotobiotic calves. Howard CJ, et al. **J Gen Microbiol** 1981 Oct;126(Pt 2):365–9

DRUG EFFECTS

Standardized method for determining antimicrobial susceptibility of strains of Ureaplasma urealyticum and their response to tetracycline, erythromycin, and rosaramicin. Robertson JA, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):53–8

ENZYMOLOGY

Adenosine triphosphatase activity of Ureaplasma urealyticum. Romano N, et al. **Microbiologica** 1982 Jan; 5(1):25–33

GROWTH & DEVELOPMENT

High-density lipoprotein that supports Ureaplasma urealyticum growth. Sayed IA, et al. **J Bacteriol** 1982 Aug; 151(2):629–35

Attempts to produce gynaecological disease in grivet monkeys with Ureaplasma urealyticum. Møller BR, et al. **J Med Microbiol** 1981 Nov;14(4):475–8

ISOLATION & PURIFICATION

Infertility and uterine colonization with Ureaplasma urealyticum. Stray-Pedersen B, et al. **Acta Obstet Gynecol Scand** 1982;61(1):21–4

Isolation of ureaplasma urealyticum from seminal plasma in relation to sperm antibody levels and sperm motility. Hargreave TB, et al. **Andrologia** 1982 May-Jun;14(3):223–7

Survival of genital mycoplasma on various bacteriological swabs and transport media. Busolo F, et al. **Boll Ist Sieroter Milan** 1981;60(1):31–40

The genital Mycoplasma and Ureaplasma flora of healthy and diseased dogs. Doig PA, et al. **Can J Comp Med** 1981 Jul;45(3):233–8

The association of semen factors with the recovery of Ureaplasma urealyticum. Cintron RD, et al. **Fertil Steril** 1981 Nov;36(5):648–52

Mycoplasma hominis, Ureaplasma urealyticum, and Corynebacterium genitalium recovered from the lower genital tracts of adolescent women. Russo JF, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):461–6

Recovery and identification of human genital tract mycoplasmas. Taylor-Robinson D, et al. **Isr J Med Sci** 1981 Jul;17(7):648–53

Effect of gaseous conditions on isolation and growth of Ureaplasma urealyticum on agar. Robertson JA. **J Clin Microbiol** 1982 Feb;15(2):200–3

Ureaplasma urealyticum in the upper urinary tracts of renal allograft recipients. Birch DF, et al. **J Infect Dis** 1981 Aug; 144(2):123–7

Pyosemia and carriage of chlamydia and ureaplasma in infertile men. Bennett AH, et al. **J Urol** 1982 Jul;128(1):54–6

Isolation and serological characterization of ureaplasmas from nonhuman primates. Ogata M, et al. **Nippon Juigaku Zasshi** 1981 Aug;43(4):521–9

Experimental production of vulvitis in ewes with a ureaplasma isolate. Ball HJ, et al. **Vet Rec** 1982 Jun 19; 110(25):581

Isolation of ureaplasmas from poultry and experimental infection in chickens. Koshimizu K, et al. **Vet Rec** 1982 May 1;110(18):426–9

Distribution of ureaplasmas in the urogenital tract of ewes. McCaughey WJ, et al. **Vet Rec** 1981 Nov 21;109(21):472

[The etiological importance of cell wall-free microorganisms in pyelonephritis] Schabinski G, et al. **Z Urol Nephrol** 1981 Aug;74(8):609–12 **(Ger)**

[Evaluation of nutrient culture media for isolation and growth of Ureaplasma urealyticum] Jagielski M. **Med Dosw Mikrobiol** 1980;32(4):271–84 (Eng. Abstr.) **(Pol)**

[Characteristics of Ureaplasma urealyticum strains isolated from patients with inflammation of the urogenital tract] Zgórniak-Nowosielska I, et al. **Med Dosw Mikrobiol** 1980; 32(4):285–93 (Eng. Abstr.) **(Pol)**

[Isolation of mycoplasmas in nonspecific urethritis in a military camp] Vučković I. **Vojnosanit Pregl** 1982 May-Jun;39(3):168–72 **(Scr)**

PATHOGENICITY

Failure to produce pneumonia in calves by inhalation of Mycoplasma bovirhinis and Ureaplasma aerosols. Friis NF. **Acta Vet Scand** 1981;22(2):283–5

UREASE

Polysaccharide derivatives as coats for nylon tube urease.

Onyezili FN, et al. **Anal Biochem** 1981 Oct;117(1):121–5

ADMINISTRATION & DOSAGE

Synthesis of enzyme reactors consisting of xenocells. Schmer G, et al. **Trans Am Soc Artif Intern Organs** 1981;27:544–6

ANALYSIS

Jack bean urease (EC 3.5.1.5). I. A simple dry ashing procedure for the microdetermination of trace metals in proteins. The nickel content of urease. Dixon NE, et al. **Can J Biochem** 1980 Jun;58(6):469–73

Urease testing of mycobacteria with BACTEC radiometric instrumentation. Damato JJ, et al. **J Clin Microbiol** 1982 Mar;15(3):478–80

ANTAGONISTS & INHIBITORS

Effect of selected environmental pollutants and other chemicals on the activity of urease (in vitro). Olson DL, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):439–45

Jack bean urease (EC 3.5.1.5). III. The involvement of active-site nickel ion in inhibition by beta-mercaptoethanol, phosphoramidate, and fluoride. Dixon NE, et al. **Can J Biochem** 1980 Jun;58(6):481–8

Therapy for urolithiasis with hydroxamic acids. IV. Prevention of infected urinary stone formation with N-(pivaloyl)glycinohydroxamic acid. Satoh M, et al. **J Pharmacobiodyn** 1981 Jul;4(7):469–74

Flurofamide: a potent inhibitor of bacterial urease with potential clinical utility in the treatment of infection induced urinary stones. Millner OE Jr, et al. **J Urol** 1982 Feb;127(2):346–50

BIOSYNTHESIS

A rapid, simple and reliable test for the routine identification of urease producing gram-negative bacteria. Lee JS, et al. **Ann Acad Med Singapore** 1982 Jan;11(1):94–7

Regulation by repression of urease biosynthesis in Proteus rettgeri. Zorn C, et al. **Z Allg Mikrobiol** 1982;22(3):197–203

BLOOD

[The full enzyme determination of urea in the serum] Müller-Matthesius R, et al. **Internist (Berlin)** 1981 Dec; 22(12):758–61 **(Ger)**

GENETICS

The genetics an biochemistry of urease in Ustilago violacea. Baird ML, et al. **Biochem Genet** 1981 Dec; 19(11–12):1101–14

Nitrogen control in Pseudomonas aeruginosa: mutants affected in the synthesis of glutamine synthetase, urease, and NADP-dependent glutamate dehydrogenase. Janssen DB, et al. **J Bacteriol** 1982 Jul;151(1):22–8

METABOLISM

Urease activity in the genus Bifidobacterium. Crociani F, et al. **Ann Microbiol (Paris)** 1982 May-Jun;133(3):417–23

Distribution and changes in urease (EC 3.5.1.5) activity in Rumen Simulation Technique (Rusitec). Czerkawski JW, et al. **Br J Nutr** 1982 Mar;47(2):331–48

Jack been urease (EC 3.5.1.5). II. The relationship between nickel, enzymatic activity, and the 'abnormal' ultraviolet spectrum. The nickel content of jack beans. Dixon NE, et al. **Can J Biochem** 1980 Jun;58(6):474–80

Application of polyethylene imine as carrier material for enzyme immobilization. Grunwald P, et al. **Naturwissenschaften** 1981 Oct;68(10):525–6

Activity of enzymes in organic carbon-amended soils treated with varying levels of salts. Shehata SM, et al. **Zentralb Mikrobiol** 1982;137(2):76–85

Enzymatic activities during incubation of remoistened soil samples stored for different periods. El-Shinnawi MM, et al. **Zentralb Mikrobiol** 1982;137(2):86–90

Immunological control of endogenous urease activity in buffalo calves. Sahota RS, et al. **Zentralbl Veterinarmed** [A] 1981;28(3):247–51

[Determination of the activity of urease in the gastric mucosa] Malov IuS. **Lab Delo** 1981;(12):713–5 (Eng. Abstr.) **(Rus)**

[Properties of urease immobilized on the functional organic silica surface] Liubinskil GV, et al. **Ukr Biokhim Zh** 1982 Mar-Apr;54(2):145–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

On the clinical use of microencapsulated zirconium phosphate-urease for the treatment of chronic uremia. Kjellstrand C, et al. **Trans Am Soc Artif Intern Organs** 1981;27:24–30

URECHOLINE see **BETHANECHOL COMPOUNDS**

UREMIA

Which mathematical model to study uremic toxicity? National Cooperative Dialysis Study. Sargent JA, et al. **Clin Nephrol** 1982 Jun;17(6):303–14

Local hypothermia in surgery on poorly functioning kidneys. Pintér J, et al. **Int Urol Nephrol** 1981;13(1):15–24

BLOOD

Ion exchange chromatographic, gel filtration and isotachophoretic analysis of normal and uraemic sera. Menyhárt J, et al. **Acta Chir Acad Sci Hung** 1981; 22(1–2):47–60

The effect of uraemic serum and plasma on proliferating cells in vitro. Wessel-Aas T. **Acta Pathol Microbiol Scand** [C] 1981 Dec;89(6):353–8

Serum phenytoin concentrations in uremia [letter] Aldwin L, et al. **Ann Intern Med** 1981 Dec;95(6):785

Zinc, prolactin, gonadotropins, and androgen levels in uremic men. Paniagua R, et al. **Arch Androl** 1982 Jun;8(4):271–5

Effect of uremic serum on sperm motility: evaluation by multiple exposure photography. Panidis DK, et al. **Arch Androl** 1982 Jun;8(4):307–10

Studies of carbohydrate metabolism after hemodialysis and hemofiltration in uremic patients. Geronemus R, et al. **Arch Intern Med** 1982 Apr;142(4):707–10

Plasma middle molecules in asymptomatic and 'sick' uremic patients. Asaba H, et al. **Artif Organs** 1981;4 Suppl:137–42

Large-scale isolation of middle and higher molecular weight uremic toxins. Brunner H, et al. **Artif Organs** 1981;4 Suppl:41–5

Serum middle molecules in uremia. Buzio C, et al. **Artif Organs** 1981;4 Suppl:143–50

Methodology for identification of serum middle molecules. Buzio C, et al. **Artif Organs** 1981;4 Suppl:22–7

Middle molecules in hepatic coma and uremia. Chang TM, et al. **Artif Organs** 1981;4 Suppl:169–72

Characterization of sub-peak b4.2, middle molecule. Cueille G, et al. **Artif Organs** 1981;4 Suppl:28–32

Technical aspects on middle molecules: separation, isolation, and identification. Cueille G, et al. **Artif Organs** 1981;4 Suppl:8–12

Uremic middle molecules: analytical study of middle molecular weight fractions subpeak b4–2. Le Moel G, et al. **Artif Organs** 1981;4 Suppl:17–21

Middle molecule accumulation in uremia: an 'extra uremic factor'. Oulès R, et al. **Artif Organs** 1981;4 Suppl:177–83

Analytical study for separation of middle molecules. Sai> A, et al. **Artif Organs** 1981;4 Suppl:13–6

Characterization of middle molecule compounds. Zimmerman L, et al. **Artif Organs** 1981;4 Suppl:33–6

Serum pepsinogens and gastrins in chronic hemodialysis patients. Swamy AP, et al. **Biochem Med** 1981 Apr; 25(2):227–33

Decreased drug binding in uraemia: effect of indoxyl sulphate and other endogenous substances on the binding of drugs and dyes to human albumin. Bowmer CJ, et al. **Biochem Pharmacol** 1982 Feb 1;31(3):319–23

Precision of digoxin radioimmunoassays and matrix effects: four kits compared. Bergdähl B, et al. **Clin Biochem** 1981 Apr;14(2):67–71

Serum triglyceride levels in uremic patients receiving polyacrylonitrile dialysis. Severini G, et al. **Clin Biochem** 1981 Apr;14(2):72–3

Colorimetry of serum acetaminophen (paracetamol) in uremia. Bailey DN. **Clin Chem** 1982 Jan;28(1):187–90

Simpler colorimetry of serum acetaminophen [letter] Gupta RN. **Clin Chem** 1982 Jun;28(6):1392–3

Liquid-chromatographic determination of guanidino compounds in plasma and erythrocyte of normal persons and uremic patients. Kikuchi T, et al. **Clin Chem** 1981 Nov; 27(11):1899–902

Potentiometric analysis for sodium and potassium in biological fluids. Langhoff E, et al. **Clin Chem** 1982 Jan; 28(1):170–2

Many hitherto unknown peptides are principal constituents of uremic 'middle molecules'. Menyhárt J, et al. **Clin Chem** 1981 Oct;27(10):1712–6

Characterization of uremic 'middle molecular' fractions by gas chromatography, mass spectrometry, isotachophoresis, and liquid chromatography. Schoots AC, et al. **Clin Chem** 1982 Jan;28(1):45–9

Determination of free and conjugated catecholamines and L-3,4-dihydroxyphenylalanine in plasma and urine: evidence for a catechol-O-methyltransferase inhibitor in uraemia. Demassieux S, et al. **Clin Chim Acta** 1981 Sep; 115(3):377–91

Evaluation of blood toxicity in chronic uremia by an improved chromatographic method. Politi L, et al. **Clin Exp Dial Apheresis** 1981;5(3):277–84

Uremic middle molecules in non-dialyzed azotemic patients: relation to symptoms and clinical biochemistries. Asaba H, et al. **Clin Nephrol** 1982 Feb;17(2):90–5

Impaired fibrinolysis in uremia: partial and variable correction by four different dialysis regimes. Canavese C, et al. **Clin Nephrol** 1982 Feb;17(2):82–9

In vitro cytotoxic properties of plasma samples from uremic patients. Delaporte C, et al. **Clin Nephrol** 1982 May; 17(5):247–53

Iron absorption measured by whole body counting and the relation to marrow iron stores in chronic uremia. Milman N. **Clin Nephrol** 1982 Feb;17(2):77–81

The effect of minimal exercise on the blood lactate in azotemic subjects. Parrish AE. **Clin Nephrol** 1981 Jul; 16(1):35–9

Postheparin lipolytic activity in uremic patients treated by hemofiltration. Di Giulio S, et al. **Contrib Nephrol** 1982; 29:143–8

Hemoglobin A1 properties of diabetic and uremic patients. Oimomi M, et al. **Diabetes Care** 1982 Jul-Aug;4(4):484–6

Elevated serum phenytoin concentrations in a uremic patient when measured by enzyme-multiplied immunoassay. Matzke GR, et al. **Drug Intell Clin Pharm** 1981 May; 15(5):386–8

Erythrocyte deformability in dialysed and non-dialysed uraemic patients. Inauen W, et al. **Eur J Clin Invest** 1982 Apr;12(2):173–6

Protein binding of piretanide in normal and uraemic serum. Elliott HL, et al. **Eur J Clin Pharmacol** 1982;21(4):311–3

Cimetidine-induced PTH variations in uraemic patients evaluated with the aid of antisera against the terminal carboxyl and amino groups of the hormone molecule. Fiore CE, et al. **Horm Metab Res** 1981 Nov;13(11):642–5

Minor hemoglobin components in diabetic and uremic patients. Lantz B, et al. **Horm Metab Res** 1981 Dec; 13(12):660–4

Uremic middle molecules [editorial] Chapman GV, et al. **Int J Artif Organs** 1981 Mar;4(2):52–3

Absence of anemia in maintenance hemodialysis. Charles G, et al. **Int J Art.f Organs** 1981 Nov;4(6):277–9

Studies on cyanide and thiocyanate in uraemia. Yatzidis H, et al. **Int J Artif Organs** 1981 Mar;4(2):60–1

Effect of uremic serum on E-rosette formation of normal lymphocytes modulated by levamisole. Modai D, et al. **Isr J Med Sci** 1981 Dec;17(12):1115–8

Analysis of small peptide in uremic serum by high-performance liquid chromatography. Mabuchi H, et al. **J Chromatogr** 1982 Mar 12;228:292–7

Liquid chromatographic determination and time—concentration studies of riboflavin in hemodialysate from uremic patients. Mohammed HY, et al. **J Chromatogr** 1981 Dec 11;226(2):471–6

Effects of synthetic salmon calcitonin administration on gastrin, immunoreactive insulin and growth hormone release after protein meal in uremic patients. Lunetta M, et al. **J Endocrinol Invest** 1981 Apr-Jun;4(2):185–8

Depression of nerve-mediated smooth muscle contractions in vitro by plasma of an anephric rabbit and uremic patients. Matsumoto A, et al. **Jpn J Physiol** 1981;31(6):947–56

Glycosylated or carbamylated hemoglobin in uremia? [letter] Tesio F, et al. **N Engl J Med** 1982 Apr 29;306(17):1053–4

Thiobarbituric acid reactive material in uremic blood. Fillit H, et al. **Nephron** 1981;29(1–2):40–3

Major determinants of plasma aldosterone levels in chronic uremia on dialytic treatment. Ghione S, et al. **Nephron** 1982; 30(2):110–3

The determination of whole blood magnesium concentration in uremics on chronic dialysis. Gonella M, et al. **Nephron** 1981;28(2):88–9

Molecular weight distribution, diffusibility and comparability of middle molecular fractions prepared from normal and uremic sera by different fractionation procedures. Gróf J, et al. **Nephron** 1982;30(1):60–7

Elevated thrombocyte calcium content in uremia and its correction by 1 alpha(OH) vitamin D treatment. Gura V, et al. **Nephron** 1982;30(3):237–9

Serum alpha-1-acid glycoprotein (orosomucoid) in uremic patients on hemodialysis. Henriksen HJ, et al. **Nephron** 1982;31(1):24–6

Renin, aldosterone and other mineralocorticoids in hyperkalemic patients with chronic renal failure showing mild azotemia. Saruta T, et al. **Nephron** 1981;29(3–4):128–32

The toxicity of guanidino compounds in the red blood cell in uremia and the effects of hemodialysis. Shainkin-Kestenbaum R, et al. **Nephron** 1982;31(1):20–3

Platelet and vascular prostaglandins in uraemia, thrombotic microangiopathy and pre-eclampsia. de Gaetano G, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 18; 294(1072):339–42

Imp ovement of bleeding time, platelet aggregation and platelet count during CAPD treatment. Arends JP, et al. **Proc Eur Dial Transplant Assoc** 1981;18:280–5

Erythrocyte transport of middle molecular substances. Gajdoš M, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:183–7

Prostacyclin prevents endothelial and platelet damage during dialysis. Turney JH, et al. **Proc Eur Dial Transplant Assoc** 1981;18:111–6

Urea cycle and protein content in leucocytes from normal persons and uraemics. Vlaho M, et al. **Proc Eur Dial Transplant Assoc** 1981;18:638–41

Peripheral haematocrit modulates erythropoietin production and kinetics of reticulocytes in chronic uraemic patients. Walle A, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:633–7

[Biochemical definition of uremia] Ringoir S. **Verh K Acad Geneeskd Belg** 1981;43(2):105–19 **(Dut)**

[Genesis of microcytes in hemodialysis patients with chronic uremia] Fröber R, et al. **Gegenbaurs Morphol Jahrb** 1981; 127(5):654–8 (Eng. Abstr.) **(Ger)**

[How far should the serum concentration of inorganic phosphate be lowered in patients with chronic uremia?] Eigler J, et al. **Med Welt** 1982 Jan 29;33(4):115–6 **(Ger)**

[A gas chromatographic-mass spectrometric analysis of organic acids in uremic ultrafiltrate (author's transl)] Maeda K, et al. **Nippon Jinzo Gakkai Shi** 1981 Jan;23(1):75–88 (Eng. Abstr.) **(Jpn)**

[Effect of low-molecular uremic toxins on the metabolic systems of human erythrocytes] Kopczyński Z. **Pol Tyg Lek** 1982 Mar 15;37(1):21–4 **(Pol)**

[Effect of hemoperfusion on various blood coagulation and fibrinolysis factors in chronic uremia] Lewicki R, et al.

Pol Tyg Lek 1981 Aug 31;36(35):1325-7 (Eng. Abstr.) (Pol)

[Effect of medium-sized molecules fro uremic serum on hemopoiesis in intact mice] Moskaleva GP, et al. Biull Eksp Biol Med 1981 Nov;92(11):542-4 (Eng. Abstr.) (Rus)

[Diagnostic value of determining middle molecules in the blood plasma in nephrological diseases] Gabriélian NI, et al. Klin Med (Mosk) 1981 Oct;59(10):38-42 (Eng. Abstr.) (Rus)

[Value of serum ferritin assessment in the diagnosis of iron lack in uraemic patients (author's transl)] Quereda C, et al. Sangre (Barc) 1981;26(4):447-55 (Eng. Abstr.) (Spa)

CEREBROSPINAL FLUID

Middle molecular weight substances in the cerebrospinal fluid of uremic patients. Sperschneider H, et al. Clin Nephrol 1982 Jun;17(6):298-302

[Analysis of middle molecules in the cerebrospinal fluid of uremic patients] Sperschneider H, et al. Z Gesamte Inn Med 1981 Dec 1;36(23):926-30 (Eng. Abstr.) (Ger)

CHEMICALLY INDUCED

Renal glycosuria and azotemia after enalapril maleate (MK-421) [letter] Cressman MD, et al. Lancet 1982 Aug 21;2(8295):440

Indomethacin-induced azotaemia and hyperkalaemia: a case study. Nicholls MG, et al. NZ Med J 1981 Nov 25; 94(696):377-9

COMPLICATIONS

Uremic pericarditis. Treatment by limited pericardiectomy. Nevelsteen A, et al. Acta Chir Belg 1981 Sep-Oct; 80(5):299-302

Encephalopathy with myoclonus in an uremic non dialysed patient. A case report. Tedeschi F, et al. Acta Neurol (Napoli) 1982 Apr;37(2):129-34

The importance of dietary protein in the zinc deficiency of uremia. Blendis LM, et al. Am J Clin Nutr 1981 Dec; 34(12):2658-61

Therapeutic problems relating to azotaemic osteodystrophy. Chan YL, et al. Ann Acad Med Singapore 1982 Jan; 11(1):69-76

Osteomalacia after parathyroidectomy in patients with uremia. Felsenfeld AJ, et al. Ann Intern Med 1982 Jan; 96(1):34-9

Fibrosing uremic pleuritis complicated by thoracic empyema. McCabe TA, et al. Arch Intern Med 1982 Jul; 142(7):1369-70

Potential role of middle molecular compounds in the development of uremic anemia. Leber HW, et al. Artif Organs 1981;4 Suppl:63-7

Atherogenesis in experimental uremia. Horsch A, et al. Atherosclerosis 1981 Nov-Dec;40(3-4):279-89

Surgical management of uremic pericarditis. Nik-Akhtar B, et al. Br J Clin Pract 1981 Sep;35(9):294-6

Clonazepam: effective treatment for restless legs syndrome in uraemia. Read DJ, et al. Br Med J [Clin Res] 1981 Oct 3;283(6296):885-6

Transcatheter embolization in the management of intractable uremic epistaxis. Gagnon RF, et al. Can Med Assoc J 1982 Jan 15;126(2):158-9

Lymphocyte kinetics in acute uremia: redistribution of circulating lymphocytes to the bone marrow. Slavin RG, et al. Int Arch Allergy Appl Immunol 1982;69(2):156-8

Kyrle-like lesions in two patients with renal failure undergoing dialysis [letter] Stone RA. J Am Acad Dermatol 1981 Dec;5(6):707-9

Prurigo nodularis: as association with uremia. Rien BE, et al. J Am Podiatry Assoc 1982 Jun;72(6):321-3

Coronary risk in patients with endstage renal disease: interaction of hypertension with hyperlipidemia. Goldberg AP, et al. J Cardiovasc Pharmacol 1982;4 Suppl 2:S257-61

Femoral head necrosis in uremic children without steroid treatment or transplantation. Mehls O, et al. J Pediatr 1981 Dec;99(6):926-9

Qualitative bone defect in uremic osteosclerosis. Weinstein RS, et al. Metabolism 1982 Aug;31(8):805-11

Case 48-1981:ultrasound in the diagnosis of uremic disease in adults [letter] Landais P, et al. N Engl J Med 1982 Apr 22;306(16):995-6

Effect of the hemodialysis prescription of patient morbidity: report from the National Cooperative Dialysis Study. Lowrie EG, et al. N Engl J Med 1981 Nov 12; 305(20):1176-81

Ischemic colitis in chronic uremia. Aubia J, et al. Nephron 1981;29(3-4):146-50

Reversal of hyperparathyroidism in severe uremics following very low-protein and low-phosphorus diet. Barsotti G, et al. Nephron 1982;30(4):310-3

Eosinophilia in uremia. Gabizon D, et al. Nephron 1981; 29(1-2):36-9

Absence of zinc testicular deficiency in the sexual dysfunction of experimentally induced uremic rats. Ribeiro RC, et al. Nephron 1982;30(4):361-3

Neurophysiological abnormalities in uraemic encephalopathy. Albertazzi A, et al. Proc Eur Dial Transplant Assoc 1981;18:652-7

Tumour-like growth of parathyroid autografts in uraemic patients. Frei U, et al. Proc Eur Dial Transplant Assoc 1981; 18:548-55

Blockers of beta and H2 receptors and secondary hyperparathyroidism in uraemia. Makdassi R, et al. Proc Eur Dial Transplant Assoc 1981;18:642-7

Complications of uremia. Hull AR. Urol Clin North Am 1982 Jun;9(2):275-8

Does uremic enterocolitis exist? A morphological and functional investigation of rat intestine in chronic renal insufficiency. Gabbert H, et al. Virchows Arch [Cell Pathol] 1981;37(3):285-96

[Cardiac complications of uremia and report of 4 cases (author's transl)] Zhang X. Chung Hua Nei Ko Tsa Chih 1981 Jun;20(6):336-8 (Chi)

[Surgical therapy of uremic pericarditis (author's transl)] Van Bastelaere W, et al. Acta Chir Belg 1981 Sep-Oct; 80(5):293-8 (Eng. Abstr.) (Dut)

[Cardiomyopathy in uremia: hemodynamic and metabolic aspects (author's transl)] Drüeke T, et al. Nephrologie 1981; 2(2):63-6 (Eng. Abstr.) (Fre)

[Uremic cardiomyopathy] Drüeke T. Med Klin 1981 Sep 25; 76(20):560-2 (Ger)

[Uremic polyneuropathy. Case studies] Fierro B, et al. Arch Sci Med (Torino) 1981 Oct-Dec;138(4):609-14 (Ita)

[Evaluation of autonomic neuropathy in uremic patients by electrocardiographic study of the R-R interval] Maiorano G, et al. Boll Soc Ital Cardiol 1981;26(5):481-7 (Ita)

[Uremic neuropathy: clinical evolution and therapeutic results in a 5-year period of observation] Bernardi A, et al. G Clin Med 1982 Jan;63(1):29-36 (Eng. Abstr.) (Ita)

[Effects of 1-alpha-hydroxyvitamin D 3 treatment of osteodystrophy in uremic patients treated with periodic hemodialysis] Palmieri P, et al. G Clin Med 1981 Jul; 62(7):443-60 (Eng. Abstr.) (Ita)

[Double-bag CAPD with intraperitoneal insulin. Satisfactory management of diabetes and its major complications in uremic patients] Bazzato G, et al. Minerva Nefrol 1981 Jul-Sep;28(3):345-52 (Eng. Abstr.) (Ita)

[Ultrastructural bases of the muscular damage in uremia] Savazzi GM, et al. Minerva Nefrol 1981 Apr-Jun; 28(2):151-6 (Eng. Abstr.) (Ita)

[Uremic myopathy] Savazzi GM, et al. Minerva Nefrol 1981 Jul-Sep;28(3):331-8 (Eng. Abstr.) (Ita)

[Differential effects of 1,25-hydroxycholecalciferol in uremic osteodystrophy] Tarchini R, et al. Minerva Nefrol 1981 Apr-Jun;28(2):147-50 (Eng. Abstr.) (Ita)

[Studies of apoprotein profiles in lipoprotein fractions in uremic patients on hemodialysis with a dyslipoproteinemia. A possible mechanism for accumulated abnormal low density lipoprotein subfractions (author's transl)] Unoki T, et al. Nippon Jinzo Gakkai Shi 1982 Jan;24(1):37-51 (Eng. Abstr.) (Jpn)

[Azotemic pericarditis (author's transl)] Cakalaroski K. God Zb Med Fak Skopje 1979 Jan;25:395-402 (Eng. Abstr.) (Mac)

[The etiology of the uremic lung. Etiology of pulmonary changes in rats after administration of concentrated post-hemodialysis fluid] Mianowska A, et al. Pol Arch Med Wewn 1981 Sep;66(3):201-21 (Eng. Abstr.) (Pol)

[Diagnosis and management of pericarditis in uremic patients (author's transl)] Morlans M, et al. Med Clin (Barc) 1981 Oct 25;77(7):269-73 (Eng. Abstr.) (Spa)

DIAGNOSIS

Septic obstruction and uremia in the newborn. Gonzalez R, et al. Urol Clin North Am 1982 Jun;9(2):297-303

How accurate is ultrasonography in detecting hydronephrosis in azotemic patients? Talner LB, et al. Urol Radiol 1981; 3(1):1-6

[Importance of gastroscopy in chronic uremic patients (author's transl)] Rey JF, et al. Sem Hop Paris 1982 Apr 1;58(13):788-92 (Eng. Abstr.) (Fre)

DIET THERAPY

The roles of phosphorus deficiency and low food intake in the preservation of renal function in uraemic rats. Laouari D, et al. Experientia 1982 Jun 15;38(6):681-2

DRUG THERAPY

Diuretic potency of combined hydrochlorothiazide and furosemide therapy in patients with azotemia. Wollam GL, et al. Am J Med 1982 Jun;72(6):929-38

Gastrointestinal sorbents for the treatment of uremia. I. Lightly cross-linked carboxyvinyl polymers. Imondi AR, et al. Ann Nutr Metab 1981;25(5):311-9

Forward on hemoperfusion and artificial cells. Chang TM. Contrib Nephrol 1982;29:3-6

Hemoperfusion in 1981. Chang TM. Contrib Nephrol 1982; 29:11-22 (69 ref.)

Potential for hemoperfusion in uremia. Winchester JF. Contrib Nephrol 1982;29:114-22 (24 ref.)

Inhibition by anticoagulant drugs of the progressive hypertension and uremia associated with renal infarction in rats. Purkerson ML, et al. Thromb Res 1982 May 15; 26(4):227-40

On the clinical use of microencapsulated zirconium phosphate-urease for the treatment of chronic uremia. Kjellstrand C, et al. Trans Am Soc Artif Intern Organs 1981;27:24-30

[Anti-inflammatory, antitoxic, and hypoazotemic effect of a Stachys recta preparation, stachyrene] Zinchenko TV, et al. Farmakol Toksikol 1981 Mar-Apr;44(2):191-4 (Rus)

ENZYMOLOGY

The isolation, purification, and properties of a ribonuclease (Mr 18 000) from human uremic serum, and its relation to the human urinary ribonuclease (Mr 33 000). I. Isolation of the low molecular weight ribonuclease. Rabin EZ, et al. Biochim Biophys Acta 1982 Feb 4;701(1):127-31

The isolation, purification, and properties of a ribonuclease (Mr 18 000) from human uremic serum, and its relation to the human urinary ribonuclease (Mr 33 000). II. Properties of the enzymes. Rabin EZ, et al. Biochim Biophys Acta 1982 Feb 4;701(1):132-7

Plasma lecithin-cholesterol acyltransferase activities in uraemic patients. Chan MK, et al. Clin Chim Acta 1982 Feb 26;119(1-2):65-72

Influence of protein intake on S-adenosyl methionine decarboxylase activity in normal and chronically uremic rats. Skapski B, et al. J Nutr 1981 Sep;111(9):1658-61

Circadian rhythms of intestinal disaccharidases in experimental uremia in rats. Inagaki O, et al. Nephron 1982; 30(4):345-7

ETIOLOGY

The effect of a low-phosphate diet on hematocrit and oxygen transport in uremic rats. Connelly TJ, et al. Am J Hematol 1982 Feb;12(1):55-61

Do middle molecules cause uremic intoxication? (Con). Kjellstrand CM. Am J Kidney Dis 1981 Jul;1(1):51-6

Prostatism, obstructive uropathy and uraemia associated with a urachal cyst. Standfield NJ, et al. Br J Urol 1981 Oct; 53(5):482

Low-molecular-weight toxins in uraemia [letter] Taylor WH. Lancet 1982 Mar 13;1(8272):630

[Pathogenesis of the uremic syndrome] Mioli V, et al. Minerva Med 1982 Feb 18;73(6):239-48 (Eng. Abstr.) (Ita)

[Role of polyamines in the pathogenesis of uremia] Lutz W, et al. Postepy Hig Med Dosw 1980 Sep-Oct;34(5):431-52 (108 ref.) (Pol)

IMMUNOLOGY

The effect of zinc on cellular immunity in chronic uremia. Antoniou LD, et al. Am J Clin Nutr 1981 Sep;34(9):1912-7

Fractions of middle molecular weight responsible for immunodeficiency in malnourished and burnt patients. Gay G, et al. Artif Organs 1981;4 Suppl:71-5

Effect of middle molecules on immunological functions. Navarro J, et al. Artif Organs 1981;4 Suppl:76-81

The effect of ubiquitin hexadecapeptide fragment on E-rosette forming cells of a uremic patient. Abiko T, et al. Chem Pharm Bull (Tokyo) 1981 Oct;29(10):2949-55

Antibody production and antigenic specific suppression to bovine serum albumin in uremic rats. Mezzano S, et al. Clin Exp Immunol 1982 Apr;48(1):111-7

Humoral inhibitors of the immune response in uremia. IV. Effects of serum and of isolated serum very low density lipoprotein from uremic rats on cellular immune reactions in vitro. Raskova J, et al. Lab Invest 1981 Nov;45(5):410-7

Uremic escape of renal allograft rejection. van Schilfgaarde R, et al. Neth J Surg 1981 Oct;33(4):173-80

An immunosuppressive factor(s) in uremic sera. Kamata K, et al. Proc Clin Dial Transplant Forum 1980;10:47-50

Interferon production by leucocytes of dialysed chronic uraemic patients. Gál G, et al. Proc Eur Dial Transplant Assoc 1981;18:188-92

Effects of blood transfusion on cellular immunity. Giacchino F, et al. Proc Eur Dial Transplant Assoc 1981;18:465-8

Lymphocytes from multitransfused uremic patients have poor MLC reactivity. Fehrman I, et al. Tissue Antigens 1981; 17(4):386-95

Reduced immunologic responsiveness in multitransfused anemic nonuremic patients. Fehrman I, et al. Transplant Proc 1982 Jun;14(2):341-3

[The immunologic state in chronic uremia (editorial)] Modai D, et al. Harefuah 1982 Jan 1;102(1):30-1 (Heb)

[Effect of vitamin B6 on some immune responses in chronic uremia (author's transl)] Sorice F, et al. Acta Vitaminol Enzymol 1980;2(5-6):171-8 (Eng. Abstr.) (Ita)

[Rosette E and active rosette E tests in the evaluation of cell-mediated immunity in uremic patients] Giacchino F, et al. Arch Sci Med (Torino) 1982 Jan-Mar;139(1):19-22 (Eng. Abstr.) (Ita)

[Possible effects of chronic lymphoproliferative diseases and pre-dialytic uremic states on cellular immunity. Their importance in anesthesiology] Celleno D, et al. Minerva Anestesiol 1981 Aug;47(8):455-66 (41 ref.) (Ita)

[Alloantigens of subpopulations of T lymphocytes in uremic patients with chronic glomerulonephritis] Adorno D, et al. Minerva Nefrol 1981 Jul-Sep;28(3):187-93 (Eng. Abstr.) (Ita)

[Effect of uremia middle molecule serum on the proliferative activity of erythroid cells] Gudim VI, et al. Probl Gematol Pereliv Krovi 1982 Feb;27(2):37-9 (Eng. Abstr.) (Rus)

METABOLISM

14CO2 expiration after 14C-histidine administration in

normal and uremic men ingesting two levels of histidine. Jones MR, et al. **Am J Clin Nutr** 1982 Jan;35(1):15–23
The middle molecule hypothesis in perspective. Babb AL, et al. **Am J Kidney Dis** 1981 Jul;1(1):46–50
The effect of hemodialysis on oxygen transport in chronic uremics. Szwed JJ, et al. **Am J Med Sci** 1982 Mar–Apr; 283(2):50–6
Calcium transport in the ileum of uremic rats. Koller M, et al. **Am J Physiol** 1982 Feb;242(2):G128–34
Amino acid release from the hindquarter and urea appearance in acute uremia. Mitch WE. **Am J Physiol** 1981 Dec; 241(6):E415–9
An automatic analytical system for quantitative determination of uremic middle molecules. Fürst P, et al. **Anal Biochem** 1982 May 15;122(2):394–403
Trace element abnormalities in chronic uremia. Smythe WR, et al. **Ann Intern Med** 1982 Mar;96(3):302–10
Middle molecules in uremia and other diseases. Analytical techniques, metabolic toxicity, and clinical aspects. Proceedings of the symposium, November 28–29, 1980, Avignon, France. **Artif Organs** 1981;4 Suppl:1–192
Separation, isolation, and identification of middle molecules. Bergström J, et al. **Artif Organs** 1981;4 Suppl:5–7
An overview of clinical implications of middle molecules and their kinetics in uremia. Funck-Brentano JL, et al. **Artif Organs** 1981;4 Suppl:125–32
Modeling of middle molecules in clinical studies. Gotch FA, et al. **Artif Organs** 1981;4 Suppl:133–6
Middle molecules and unanswered questions. Klinkmann H. **Artif Organs** 1981;4 Suppl:1–2
Gel-filtration on psoriasic and uremic serum and dialysis fluid. Lamperi S, et al. **Artif Organs** 1981;4 Suppl:156–9
Carbohydrate content of middle molecular weight substances (MMWS) in uraemic patients: preliminary results. Le Moel G, et al. **Artif Organs** 1981;4 Suppl:37–40
Renal handling of middle molecules in uremic patients and in the isolated rat kidney. Lustenberger N, et al. **Artif Organs** 1981;4 Suppl:110–4
Zinc tolerance tests in chronic uremia. Antoniou LD, et al. **Clin Nephrol** 1981 Oct;16(4):181–7
Plasma transferrin and the relation to iron status in patients with chronic uremia. Milman N. **Clin Nephrol** 1981 Dec; 16(6):314–20
Effects of thyroparathyroidectomy, phosphate depletion and diphosphonate therapy on acute uraemic extra-osseous calcification in the rat. Ibels LS, et al. **Clin Sci** 1981 Nov; 61(5):621–6
Effect of dihydroxylated metabolites of vitamin D3 on calcium absorption in uraemic man. Muirhead N, et al. **Clin Sci** 1981 Dec;61(6):723–7
Excess in vitro secretion of the free alpha-subunit of the glycoprotein hormones by pituitary cells from chronically uremic rats. Blackman MR, et al. **Endocrinology** 1982 Jun; 110(6):1964–71
Decreased in vitro testosterone production by isolated Leydig cells from uremic rats. Briefel GR, et al. **Endocrinology** 1982 Mar;110(3):976–81
Characterization of a double conjugate in uremic body fluids. Zimmerman L, et al. **FEBS Lett** 1981 Jul 6;129(2):237–40
Iron overload in patients on maintenance hemodialysis [editorial] Bregman H, et al. **Int J Artif Organs** 1981 Mar; 4(2):56–7
Studies on amino acids in diabetic patients undergoing CAPD. Giordano C, et al. **Int J Artif Organs** 1981 Mar; 4(2):62–7
Body composition in a rat model of moderate uremia. Adelman RD. **Int J Pediatr Nephrol** 1981 Jun;2(2):79–84
Nitrogen metabolism and growth in experimental uremia. Mehls O, et al. **Int J Pediatr Nephrol** 1980 Mar;1(1):34–41
Impaired clearance of beta-lipotropin in uremia. Aronin N, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):797–800
Pharmacokinetics of primidone elimination by uremic patients. Lee CS, et al. **J Clin Pharmacol** 1982 Jul; 22(7):301–8
Endogenous accumulation products and serum protein binding in uremia. McNamara PJ, et al. **J Lab Clin Med** 1981 Nov;98(5):730–40
Impaired glucagon-stimulated glucose output in livers of acutely uremic rats. Perez GO, et al. **J Lab Clin Med** 1982 May;99(5):669–77
Urea synthesis in moderate experimental uremia. Abitbol C, et al. **Kidney Int** 1981 May;19(5):648–53
Lipid abnormalities in uremia, dialysis, and transplantation. Chan MK, et al. **Kidney Int** 1981 May;19(5):625–37 (119 ref.)
Muscle degradation in uremia: 3-methylhistidine release in fed and fasted rats. Li JB, et al. **Kidney Int** 1981 Sep; 20(3):321–5
Tetrahydrobiopterin metabolism in chronic uraemia: possible explanation of dialysis encephalopathy [letter] Dhondt JL, et al. **Lancet** 1982 Aug 28;2(8296):491
Metabolic studies of adipose tissue in acute uremia. Ransom J, et al. **Metabolism** 1981 Dec;30(12):1165–9
Reversal of the normal pattern of renal choline metabolism during uremia in rats. Bean GH, et al. **Nephron** 1981; 28(4):204–6
Uremia and the liver. III. Uremia and hepatic metabolism of carbohydrates, lipids, and proteins. Brissot P, et al. **Nephron** 1981;29(1–2):14–17 (58 ref.)
Hypertriglyceridemia and lipoprotein lipase activity in experimental uremia. Kraemer FB, et al. **Nephron** 1982; 30(3):274–8
Uremia and the liver [editorial] Meyrier A. **Nephron** 1981; 29(1–2):1–2
A comparison of peritoneal transport in patients with psoriasis and uremia. Rubin J, et al. **Nephron** 1981; 29(3–4):185–9
Renal handling of uremic middle molecules. a study with the isolated perfused rat kidney. Schindhelm K, et al. **Nephron** 1982;30(2):166–72
Uremia and the liver. II. Drugs and the liver in the uremic patient. Simon P, et al. **Nephron** 1981;29(1–2):7–13 (89 ref.)
The gluconeogenetic ability of hepatocytes in various types of acute uraemia. Stepinski J, et al. **Nephron** 1982; 31(1):75–81
Uremic 'toxins' and blood platelet carbohydrate metabolism. Tisoň P, et al. **Nephron** 1981;28(4):192–5
Impaired intestinal digoxin absorption in experimental chronic uremia. Wizemann V, et al. **Nephron** 1981; 28(6):297–9
Effects of carbamylation of plasma proteins and competitive displacers on drug binding in uremia. Calvo R, et al. **Pharmacology** 1982;24(4):248–52
Isolation of protein-glycogen complexes from rat skeletal muscle in acute uremia: role of serine. Schäfer RM, et al. **Proc Soc Exp Biol Med** 1982 Apr;169(4):519–26
Effect of prostaglandin inhibition on glomerular filtration rate in normal and uremic rabbits. Kirschenbaum MA, et al. **Prostaglandins** 1981 Aug;22(2):245–54
Diagnostic efficiency of various laboratory tests in the assessment of bone marrow iron stores in patients with chronic uraemia. Milman N, et al. **Scand J Haematol** 1981 Apr;26(4):257–64
Is more heparin necessary for low-dose heparin prophylaxis in uremic patients? Andrassy K, et al. **Thromb Haemost** 1981 Dec 23;46(4):740–2
[Pharmacokinetics and antilipolytic effect of a derivative of nicotinic acid (sorbinicate) in dialyzed uremic patients] Zuliani U, et al. **Farmaco [Prat]** 1981 Sep;36(9):416–23 (Eng. Abstr.) **(Ita)**
[Peptic activity of the gastric juice in patients with chronic uremia] Guarini G, et al. **Minerva Med** 1982 Feb 18; 73(6):285–7 **(Ita)**
[Studies on uremic neuropathy: with reference to uremic toxin (author's transl)] Otsuka H. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):816–24 (Eng. Abstr.) **(Jpn)**
[Disruption of renal osmoregulation in uremia] Grigor'ev EA. **Urol Nefrol (Mosk)** 1982 May-Jun;(3):44–8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pancreatic ectasia in uremic macaques. Bronson RT, et al. **Am J Pathol** 1982 Mar;106(3):342–7
Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 48–1981. A 27-year-old man with relentless renal failure. **N Engl J Med** 1981 Nov 26;305(22):1334–9
[Immunomorphological studies of the central nervous system in uremia] Krajewski S. **Neuropatol Pol** 1981 Jan–Mar; 19(1):49–66 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Hypothalamic-pituitary function in uraemia. Cowden EA, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):488–95
Acetate: inhibitor of growth hormone hypersecretion in diabetic and non-diabetic uraemic subjects. Orskov H, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):551–8
Pattern visual evoked potentials and brainstem auditory evoked responses in uremic patients. Rizzo PA, et al. **Acta Neurol Belg** 1982 Mar–Apr;82(2):72–9
No effect of low-dose 1 alpha-hydroxycholecalciferol treatment on the renal function deterioration rate in long-term uraemic rabbits. Tvedegaard E, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):385–90
Quantitative survey of uremic brain dysfunction by auditory evoked potentials. Knoll O, et al. **Adv Neurol** 1982; 32:227–32
Blood levels of middle molecules and their effects on motor nerve conduction velocity. Botella J, et al. **Artif Organs** 1981;4 Suppl:151–5
In vitro cytotoxic properties of plasma fractions from uremic patients. Delaporte C, et al. **Artif Organs** 1981;4 Suppl:68–70
Metabolic actions of middle molecules. Dzúrik R, et al. **Artif Organs** 1981;4 Suppl:59–62
Morphological microcirculatory aspects in chronic uremia. Trevisan G, et al. **Biochem Exp Biol** 1980;16(3):227–37
Acute hemodynamic effects of Brescia-Cimino arteriovenous fistula for hemodialysis. Balbarini A, et al. **Clin Exp Dial Apheresis** 1982;6(1):1–14
The kidney in health and disease XXIII. The pathophysiology of uremia. Knochel JP. **Hosp Pract** 1981 Nov;16(11):65–76
Nerve conduction times in uremia. Savazzi GM. **Int J Artif Organs** 1981 Sep;4(5):211–2
EMG changes in chronically dialyzed uraemic subjects undergoing d, l-Carnitine treatment. Rossini PM, et al. **Ital J Neurol Sci** 1981 Aug;2(3):255–62
Functional profile of the isolated uremic nephron. Evidence of proximal tubular 'memory' in experimental renal disease. Trizna W, et al. **J Clin Invest** 1981 Sep;68(3):760–7
Mechanisms of autonomic nervous system dysfunction in uremia. Campese VM, et al. **Kidney Int** 1981 Aug; 20(2):246–53
Diminished vascular response to noradrenaline in experimental chronic uremia. Rascher W, et al. **Kidney Int** 1982 Jan;21(1):20–7
Role of glucagon as a contributor to glucose intolerance in acute and chronic uremia. Mondon CE, et al. **Metabolism** 1982 Apr;31(4):374–9
Uremia and the BUN [editorial] Luke RG. **N Engl J Med** 1981 Nov 12;305(20):1213–5
Liver function tests and pyridoxine levels in uremia. Heaf JG. **Nephron** 1982;30(2):131–6
Pituitary and ovarian dysfunctions in women on haemodialysis. Zingraff J, et al. **Nephron** 1982;30(2):149–53
Pathophysiology of chronic renal failure. Lewis SM. **Nurs Clin North Am** 1981;16(3):501–13
Blood-brain barrier derangement in uremic encephalopathy. Jeppsson B, et al. **Surgery** 1982 Jul;92(1):30–5
[The effect of inhibition of angiotensin II synthesis on the response of plasma antidiuretic hormone (ADH) to the osmotic and volume-dependent stimuli in uremic patients (author's transl)] Benmansour M, et al. **Nephrologie** 1980; 1(3):109–12 (Eng. Abstr.) **(Fre)**
[Disturbance of liver blood flow in uremic children] Zoellner K, et al. **Acta Biol Med Ger** 1981;40(9):1191–3 **(Ger)**
[Uremia and intestinal cicatrization: experimental study in rats] Vianna AL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):27–30 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

[Nephrologic screening of patients of school age in the community of Aquila] Giardini L, et al. **Minerva Med** 1982 Feb 18;73(6):273–4 **(Ita)**

PSYCHOLOGY

Intellectual functioning in renal failure and chronic dialysis. Osberg JW, et al. **J Chronic Dis** 1982;35(6):445–57 (45 ref.)
Neuropsychological patterns in uremia. Souheaver GT, et al. **J Clin Psychol** 1982 Jul;38(3):490–6
[Death fantasies in a group of uremic children] Blum de Gordillo B, et al. **Bol Med Hosp Infant Mex** 1982 Mar; 39(3):187–96 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Predictive value of 99mTc pyrophosphate bone scintigraphy for vitamin D trials in uraemia. Vanherweghem JL, et al. **Proc Eur Dial Transplant Assoc** 1981;18:648–51

REHABILITATION

[The rehabilitation of the uremic child] Gordillo-Paniagua G. **Bol Med Hosp Infant Mex** 1981 May-Jun;38(3):401–5 **(Spa)**

SURGERY

Kidney transplantation in uremic children with cystinosis. Langlois RP, et al. **Nephron** 1981;28(6):273–5

THERAPY

Kidney transplantation in the treatment of terminal uremia. Strom TB, et al. **Ann Clin Res** 1981;13(4–5):224–43 (110 ref.)
Continuous measurement of DTPA-clearance in extracorporeal detoxification circuits. Falkenhagen D, et al. **Artif Organs** 1981;4 Suppl:166–8
Toxicity of middle molecules: clinical evaluation using a selective filtration artificial kidney. Jörstad S, et al. **Artif Organs** 1981;4 Suppl:98–103
Transport of small, middle, and large molecular weight substances in a dual filtration artificial kidney. Smeby LC, et al. **Artif Organs** 1981;4 Suppl:104–9
Concentration of plasma middle molecular weight substances and clinical condition of patients undergoing short-time regular dialysis treatment. Válek A, et al. **Artif Organs** 1981;4 Suppl:173–6
Changes in bone mineral content evaluated by photon absorptiometry before the start of active uremia treatment. Lindergård B. **Clin Nephrol** 1981 Sep;16(3):126–30
Platelet function in patients on maintenance hemodialysis: depressed or enhanced? Remuzzi G, et al. **Clin Nephrol** 1982 Feb;17(2):60–3
Inhibition of arginine- and hypoglycemia- induced growth hormone release by acetate in dialyzed patients. Schmitz O, et al. **Clin Nephrol** 1982 Feb;17(2):70–6
Foreword on hemoperfusion and uremia. Bonomini V. **Contrib Nephrol** 1982;29:1–2
Multicentric experience with combined hemodialysis/hemoperfusion in chronic uremia. Bonomini V, et al. **Contrib Nephrol** 1982;29:133–42
Sorbent membrane dialysis in uremia. Randerson DH, et al. **Contrib Nephrol** 1982;29:53–64
Use of combined hemodialysis/hemoperfusion in chronic uremia. Stefoni S, et al. **Contrib Nephrol** 1982;29:123–32
'Physiological' and 'pharmacological' dialysate sodium concentrations. Locatelli F, et al. **Int J Artif Organs** 1982 Jan;5(1):17–24
Terminal uremia and arteriovenous fistula patency. Iuchtman M, et al. **Int Surg** 1981 Jul–Sep;66(3):241–2
Peritoneal dialysability of 'uraemic substances'. Taraba I, et al. **Int Urol Nephrol** 1981;13(2):193–8

Longitudinal study on hyperlipidaemia and diet in RDT patients. Palmo A, et al. **Minerva Nefrol** 1982 Jan–Mar; 29(1):29–35

The use of hemoperfusion in children. Past, present, and future. Papadopoulou ZL, et al. **Pediatr Clin North Am** 1982 Aug;29(4):1039–52 (64 ref.)

Informed consent in uremia therapy. Friedman EA. **Proc Clin Dial Transplant Forum** 1980;10:181–5

Continuous ambulatory peritoneal dialysis vs home hemodialysis. Rubin J, et al. **Proc Clin Dial Transplant Forum** 1980;10:114–8

Two years clinical experience with short hour high efficiency hemofiltration. Shaldon S, et al. **Proc Clin Dial Transplant Forum** 1980;10:285–8

High efficiency haemofiltration (ultrafiltration of more than 250ml/min for two hours) in eight uraemic patients. Dongradi G, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:176–82

Long-term haemodialysis treatment with sodium removal by convection. Locatelli F, et al. **Proc Eur Dial Transplant Assoc** 1981;18:146–52

How to prevent vascular instability: haemofiltration. Quellhorst E, et al. **Proc Eur Dial Transplant Assoc** 1981; 18:243–9

Cell-mediated immunity during RDT and the outcome of transplantation. Watson MA, et al. **Proc Eur Dial Transplant Assoc** 1981;18:387–93

Development of malignant hypertension in patients with uremia under hemodialysis: a case report and discussions on its etiology. Kaneda H, et al. **Tohoku J Exp Med** 1981 Nov;135(3):291–9

[The problems concerning the prevention and treatment of uremia (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):358–63 **(Chi)**

[The treatment of uremia 1980] Ringoir S. **Verh K Acad Geneeskd Belg** 1981;43(2):122–8 **(Dut)**

[Emergencies in acute medical uremias] Richet G, et al. **Nephrologie** 1980;1(2):55–6 **(Fre)**

[Continuous ambulatory peritoneal dialysis in children. 2 years' experience] Heller-Ackeret C, et al. **Schweiz Med Wochenschr** 1982 Jun 12;112(24):8.9–64 (Eng. Abstr.) **(Ger)**

[Alternative procedures in the therapy of chronic uremia (hemofiltration, continuing ambulatory peritoneal dialysis)] Scheler F. **Verh Dtsch Ges Inn Med** 1981;87:1405–8 **(Ger)**

[Regular dialytic treatment in the Piedmont region. Results and prospects] Quarello F, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):533–42 (Eng. Abstr.) **(Ita)**

[Dopamine 17-beta-hydroxylase in chronic uremic patients under periodic hemodialytic treatment] Cagossi M, et al. **Chir Patol Sper** 1979 Dec;27(6):579–89 (Eng. Abstr.) **(Ita)**

[Morphofunctional changes in the primary passages of the digestive system in uremic patients under long-term periodic hemodialysis] Pigliucci GM, et al. **Chir Patol Sper** 1979 Dec;27(6):590–601 **(Ita)**

[19-norandrostenolone undecylate in the treatment of anemia in patients treated with periodic hemodialysis] Docci D, et al. **G Clin Med** 1981 Aug;62(8):567–75 (Eng. Abstr.) **(Ita)**

[Acid-base equilibrium in uremia: effect of continuous ambulatory peritoneal dialysis and hemodialysis] Nin Ferrari J, et al. **G Clin Med** 1981 Sep;62(9):624–33 (Eng. Abstr.) **(Ita)**

[Autogenic training as a complementary therapy in unstable arterial hypertension in chronic uremics under periodic dialysis] Lucarelli AM, et al. **Minerva Med** 1982 Mar 10; 73(10):539–45 (Eng. Abstr.) **(Ita)**

[Effects of different types of substitutive treatment on fibrinolytic potential of chronic uremic patients] Canavese C, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):339–43 (Eng. Abstr.) **(Ita)**

[The calcium-phosphorus balance and parathormone behavior in 7 patients treated with integral hemofiltration] Civati G, et al. **Minerva Nefrol** 1981 Apr–Jun;28(2):171–4 (Eng. Abstr.) **(Ita)**

[22 months of experience with CAPD with the double-bag system] Coli U, et al. **Minerva Nefrol** 1981 Jul–Sep; 28(3):353–8 (Eng. Abstr.) **(Ita)**

[HDL-cholesterol in chronic uremia during hemodialytic treatment] Solinas A, et al. **Minerva Nefrol** 1981 Oct–Dec; 28(4):455–60 (Eng. Abstr.) **(Ita)**

[Substitutive treatment of the uremic diabetic. 8 years of experience and new prospects] Triolo G, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):315–20 (Eng. Abstr.) **(Ita)**

[Use of isolated ultrafiltration in patients with protracted uremia] Luciak M. **Pol Tyg Lek** 1982 Apr 5;37(4–5):135–7 (28 ref.) **(Pol)**

[Hemosorption as a treatment method for uremic complications] Pilotovich VS, et al. **Klin Med (Mosk)** 1982 Apr;60(4):77–80 (Eng. Abstr.) **(Rus)**

[Chronic peritoneal dialysis in childhood] Feiman R, et al. **Bol Med Hosp Infant Mex** 1981 May–Jun;38(3):415–24 (Eng. Abstr.) **(Spa)**

VETERINARY

Nephelometric determination of serum amylase and lipase in naturally occurring azotemia in the dog. Wagner AE, et al. **Am J Vet Res** 1982 Apr;43(4):697–9

Comparison of several laboratory tests for quantifying azotaemia in dogs. Watson AD, et al. **Aust Vet J** 1981 Sep;57(9):407–10

Diagnosing azotemia in horses [letter] Easley R. **J Am Vet Med Assoc** 1982 May 1;180(9):980, 982

Urinary indices for differentiation of prerenal azotemia and renal azotemia in horses. Grossman BS, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):284–8

URETER

Ureteral splints: results of a survey. Turner MD, et al. **J Urol** 1982 Apr;127(4):654–6

Transrenal ureteral occlusion with a detachable balloon. Günther R, et al. **Radiology** 1982 Feb;142(2):521–3

Ureterorenoscopy. Bush IM, et al. **Urol Clin North Am** 1982 Feb;9(1):131–6

Double-J and diversion stents. Finney RP. **Urol Clin North Am** 1982 Feb;9(1):89–94

Gibbons ureteral stents. Gibbons RP. **Urol Clin North Am** 1982 Feb;9(1):85–8

Polyethylene double-pigtail ureteral stents. Mardis HK, et al. **Urol Clin North Am** 1982 Feb;9(1):95–101

Percutaneous approach to the ureter. Miller RP, et al. **Urol Clin North Am** 1982 Feb;9(1):31–40

Percutaneous pyeloureteral urodynamics. Pfister RC, et al. **Urol Clin North Am** 1982 Feb;9(1):41–9

Circle tube nephrostomy and nephroureterostomy. Reddy P, et al. **Urol Clin North Am** 1982 Feb;9(1):69–73

Retrieval of ureteral stents. Smith AD. **Urol Clin North Am** 1982 Feb;9(1):109–12

The universal ureteral stent. Smith AD. **Urol Clin North Am** 1982 Feb;9(1):103–7

Technique for removal of foreign body from genitourinary tract. Zollinger RW 2d, et al. **Urology** 1982 Apr;19(4):431–2

Vaginal ectopic ureter: a continuing diagnostic challenge. Giles DJ, et al. **West J Med** 1982 May;136(5):436–9

[Transrenal ureteric embolisation. Experimental and clinical results (author's transl)] Günther R, et al. **ROFO** 1980 Nov; 133(5):471–6 (Eng. Abstr.) **(Ger)**

[Fiber pyeloureteroscopy in the diagnosis of urologic diseases] Shevtsov IP, et al. **Voen Med Zh** 1982 Mar; (3):48–50 **(Rus)**

ABNORMALITIES

Surgical correction of bilateral ureteral ectopia in a male Appaloosa foal. Christie B, et al. **Aust Vet J** 1981 Jul; 57(7):336–40

Late presentation of ectopic ureter. Blacklock AR, et al. **Br J Urol** 1982 Apr;54(2):106–10

Congenital ureteric valves—a cause of urinary obstruction. Dajani AM, et al. **Br J Urol** 1982 Apr;54(2):98–102

Retrocaval ureter: radiographic techniques directing surgical management. Feldman SL, et al. **Br J Urol** 1982 Jun; 54(3):212–5

Single bifid ectopic left ureter presenting clinically as a vaginal cyst. Kjaeldgaard A, et al. **Diagn Gynecol Obstet** 1981 Winter;3(4):321–4

Excretory urography as a screening method for abnormalities of the upper urinary tract in asymptomatic boys with undescended testicles. Kleinteich B, et al. **Int Urol Nephrol** 1981;13(1):77–80

Uretero-ureteral outflow (yo-yo syndrome) as a cause of abdominal pain. Krzeska I, et al. **Int Urol Nephrol** 1981; 13(2):131–6

The pathogenesis of renal dysplasia. II. The significance of lateral and medial ectopy of the ureteric orifice. Schwarz RD, et al. **Invest Urol** 1981 Sep;19(2):97–100

What is your diagnosis? Hawk LM. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1485–6

Bifid blind-ending ureter. Brennan RE, et al. **J Can Assoc Radiol** 1982 Jun;33(2):98–100

McCune-Albright's syndrome. Laditan AA, et al. **J Natl Med Assoc** 1981 Dec;73(12):1154–6

Horseshoe kidney with retrocaval ureter: a case report. Kumeda K, et al. **J Urol** 1982 Aug;128(2):361–2

Two supernumerary kidneys with ureteral atresia. Pintér AB, et al. **J Urol** 1982 Jan;127(1):119–20

Single vaginal ectopic ureter and the VATER syndrome. Sotolongo JR Jr, et al. **J Urol** 1982 Jun;127(6):1181–2

Morphologic study of primary nonreflux megaureters with particular emphasis on the role of ureteral sheath and ureteral dysplasia. Tokunaka S, et al. **J Urol** 1982 Aug; 128(2):399–402

Crossed renal ectopia with solitary kidney. Cranidis A, et al. **Urol Radiol** 1982;4(1):45–6

Primary megaureter in a mother and daughter. Tatu W, et al. **Urol Radiol** 1981;3(3):185–7

Ectopic vas deferens communicating with lower ureter. Ayyat F, et al. **Urology** 1982 Apr;19(4):423–6

Triplication and contralateral duplication of ureter. Delaere K, et al. **Urology** 1982 Mar;19(3):302–3

Management of massively dilated ureters in children. Lockhart JL, et al. **Urology** 1981 Sep;18(3):229–34 (69 ref.)

Spectrum of bilateral ureteral ectopia. Noseworthy J, et al. **Urology** 1982 May;19(5):489–94

Case profile: recurrent urinary tract infection due to rudimentary branched ureter. Taylor WN, et al. **Urology** 1982 Jun;19(6):665

Bilateral blind-ending ureters. Yokoyama M, et al. **Urology** 1982 Jan;19(1):78–9

[Ectopic ureter. Delayed diagnosis in females] Eldon KH, et al. **Ugeskr Laeger** 1981 Oct 19;143(43):2807–10 **(Dan)**

[Congenital ureteropelvic stenosis in identical twins] Ingvardsen A. **Ugeskr Laeger** 1982 Jan 11;144(2):104 **(Dan)**

[Unusual aspect of duplication of the renal system] Peyer P, et al. **Helv Chir Acta** 1981 Aug;48(3–4):301–5 (Eng. Abstr.) **(Fre)**

[Complete triplication of the ureter associated with an ectopic ureterocele (author's transl)] Arap S, et al. **J Urol (Paris)** 1982;88(3):167–9 **(Fre)**

[Hydronephrosis due to abnormality of the pelvi-ureteric junction (P.U.J.). Based upon 162 cases representing 181 P.U.J. syndromes (author's transl)] De Petriconi R, et al. **J Urol (Paris)** 1982;88(2):81–90 (Eng. Abstr.) **(Fre)**

[Extravesical openings of ectopic ureters: diagnostic problems (author's transl)] Mangin P, et al. **Nouv Presse Med** 1982 Apr 3;11(15):1135–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of ureterectasia] Szokoly V, et al. **Acta Chir Acad Sci Hung** 1980;21(3):213–8 (Eng. Abstr.) **(Ger)**

[Retrocaval ureter – diagnosis and surgical management] Sumarac-Petronić Z, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):311–4 (Eng. Abstr.) **(Ger)**

[Primary obstructive mega-ureter in adults] Walz PH, et al. **Helv Chir Acta** 1981 Aug;48(3–4):327–30 (Eng. Abstr.) **(Ger)**

[Obstructive and non-obstructive ureteral valves in early infancy (author's transl)] Arlart I, et al. **ROFO** 1981 Sep; 135(3):282–4 (Eng. Abstr.) **(Ger)**

[A case of blind bifid ureter] Kaposi NP. **ROFO** 1982 Jun; 136(6):735–7 **(Ger)**

[Three cases of ectopia of the ureter opening into the seminal vesicle and the epididymis (author's transl)] Ostermayer H, et al. **Urologe [Ausg A]** 1981 Nov;20(6):389–91 (Eng. Abstr.) **(Ger)**

[Repair of megaureter by tailoring in two layers while preserving vascular supply (author's transl)] Schrott KM, et al. **Z Kinderchir** 1982 Mar;35(3):100–2 (Eng. Abstr.) **(Ger)**

[Causes of proximal atresia of the ureter in congenital hydronephrosis] Willnow U, et al. **Z Urol Nephrol** 1981 Jul;74(7):521–7 (Eng. Abstr.) **(Ger)**

[Hook-shaped ureter in patients with adenoma of the bladderneck] Vecsey D, et al. **Orv Hetil** 1982 Jan 3; 123(1):19–25 **(Hun)**

[Clinical study of the ipsilateral termino-lateral uretero-ureterostomy operation in patients with complete pyelo-ureteral duplication] Criniti P, et al. **Ann Ital Chir** 1981;53(3):309–20 (26 ref.) (Eng. Abstr.) **(Ita)**

[A case of megalocystis and megaloureter diagnosed during gestation by means of ultrasonography] Di Meglio A, et al. **Minerva Ginecol** 1981 Oct;33(10):973–6 (Eng. Abstr.) **(Ita)**

[A parturient with urogenital abnormalities] Karpiel W, et al. **Ginekol Pol** 1981 May;52(5):457–9 (Eng. Abstr.) **(Pol)**

[Involuntary ureteral enuresis] Borówka A, et al. **Wiad Lek** 1982 May 1;35(3–4):207–10 **(Pol)**

[Diagnosis of a retrocaval ureter by CAT] Arango Toro OJ, et al. **Actas Urol Esp** 1982 May–Jun;6(3):181–2 (Eng. Abstr.) **(Spa)**

[Cranially blind, bifid ureter. Presentation of 3 new cases] Muruamendiaraz V, et al. **Actas Urol Esp** 1982 May–Jun; 6(3):171–6 (Eng. Abstr.) **(Spa)**

[Bifid ureter with a blind superior branch. Diagnosis by intravenous urography] Alvarez Moro FJ, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):301–4 (Eng. Abstr.) **(Spa)**

[Ureteral triplication and duplication of the bladder] Sánchez de Badajoz Chamorro E. **Arch Esp Urol** 1982 Mar–Apr; 35(2):139–42 (Eng. Abstr.) **(Spa)**

ANALYSIS

Total [Na+] and [K+] gradient in the pyeloureter. Reimnitz J, et al. **Urol Int** 1981;36(4):235–44

ANATOMY & HISTOLOGY

Applied anatomy of the kidney and ureter. Kaye KW, et al. **Urol Clin North Am** 1982 Feb;9(1):3–13

[The study on anatomical structure in the ureterovesical junction (author's transl)] Morishita F. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr;72(4):423–34 (Eng. Abstr.) **(Jpn)**

[Anatomico-clinical basis for transvaginal ureterolithotomy] Kan DV, et al. **Sov Med** 1982;(4):33–6 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Fluorescein sodium injection for evaluation of ureteric vasculature prior to cadaveric renal transplantation. Kirchner KA, et al. **Transplantation** 1982 Jan;33(1):100–1

[Unusual cause of hematuria: 'periureteral varices'] Figueiredo Godoy L, et al. **Actas Urol Esp** 1981 Nov–Dec; 5(6):385–8 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Effects of various osmotic solutions on membrane properties of smooth muscle cells of the guinea pig ureter. Ohshima K. **Invest Urol** 1981 Sep;19(2):79–84

[Lavage-cytology of the renal pelvis and ureter with special reference to tumors (author's transl)] Leistenschneider W, et al. **Urologe [Ausg A]** 1982 Mar;21(2):84–91 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Study of the effects of tropical hemostatic agents on the retroperitoneum and ureters of dogs. Magrina JF, et al. **Arch Gynecol** 1982;231(2):135–40

The effect of glucagon and diazoxide on the normal and obstructed upper urinary tract. Mayo ME, et al. **Urol Int** 1981;36(2):100–9

The effect of autonomic drugs on ureteric peristalsis: a canine in vivo study. Mayo ME, et al. **Urol Res** 1981;9(5):209–16

[Spasmolytics and analgesics in a model of ureteral hyperactivity in dogs] Salinas Casado J. **Arch Esp Urol** 1982 Jan–Feb;35(1):1–4 **(Spa)**

[Ureteral response, through adrenergic stimulation, to the action of progesterone and estradiol] García Sacristán A, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):129–32 **(Spa)**

EMBRYOLOGY

[Muscular development of ureter and bladder with particular emphasis on the construction of ureterovesical junction (author's transl)] Matsuno T. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct;72(10):1245–55 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Resistance of a separated form of canine ureteral phosphodiesterase activity to inhibition by xanthines and papaverine. Weiss RM, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2371–4

[A histochemical study of the obstructed refluxing ureters experimentally induced in dogs (author's transl)] Kawaguchi K. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr; 72(4):395–406 (Eng. Abstr.) **(Jpn)**

INJURIES

Management of renal and ureteric injuries, and retroperitoneal haematoma. Kvarstein B, et al. **Ann Chir Gynaecol** 1981;70(5):283–6

Genito-urinary tract injuries of civil hostilities. Archbold JA, et al. **Br J Surg** 1981 Sep;68(9):625–31

Renal embolisation for urinary fistula caused by irreparable ureteric injury. May AR, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1086–7

Vesicoposoas hitch: a versatile procedure. Sullivan LD, et al. **Can J Surg** 1982 Jan;25(1):26–9

Use of ureteral catheters in colonic and rectal surgery. Leff EI, et al. **Dis Colon Rectum** 1982 Jul–Aug;25(5):457–60

Penetrating injuries of the ureter. Pitts JC 3d, et al. **J Trauma** 1981 Nov;21(11):978–82

Ureteral entrapment injury in blunt pelvic trauma: a case report. Noakes JE, et al. **J Urol** 1982 Apr;127(4):764–5

Penetrating injuries of the ureter. Peterson NE, et al. **J Urol** 1981 Nov;126(5):587–90

Ureteral injury: complication of partial excision of aortofemoral vascular prosthesis. Selman SH, et al. **J Urol** 1981 Dec;126(6):817–8

The role of conservative treatment in blunt ureteral trauma: case report. Kim SW, et al. **Milit Med** 1981 Jul; 146(7):516–7, 520

Emergency management of the injured ureter. Bright TC 3d. **Urol Clin North Am** 1982 Jun;9(2):285–91

Ureteral injuries in colonic surgery. Cass AS, et al. **Urology** 1981 Oct;18(4):359–64

Bilateral ureteral injury secondary to single, low velocity gunshot wound. Kirchner FK Jr, et al. **Urology** 1981 Sep; 18(3):282–3

Isolated bilateral blunt renal trauma with pelviureteric disruption. Lowe P, et al. **Urology** 1982 Apr;19(4):420–2

Ureteral severance during retropubic prostatectomy. Rare complication of bladder herniation. Meiraz D, et al. **Urology** 1982 Feb;19(2):195–6

Ureteral transection secondary to lumbar disk surgery. Noyes DT, et al. **Urology** 1982 Jun;19(6):651–2

[Traumatic urothorax in childhood: report of 3 cases (author's transl)] Xue F. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):561–2 (Eng. Abstr.) **(Chi)**

[Ureteric injury: an analysis of 52 cases (author's transl)] Zhang RA. **Chung Hua Wai Ko Tsa Chih** 1981 Dec; 19(12):710–2 (Eng. Abstr.) **(Chi)**

[Ureteral injuries in gynecologic surgery] Vrubel F, et al. **Rozhl Chir** 1982 Jan;61(1):47–50 (Eng. Abstr.) **(Cze)**

[Ureteral injury following disk surgery] Gaucher A, et al. **Rev Rhum Mal Osteoartic** 1982 Jan;49(1):51–4 **(Fre)**

[Avulsion of the ureter due to external violence. Report of four cases (author's transl)] Lobel B, et al. **Sem Hop Paris** 1982 Jan 7;58(1):25–7 (Eng. Abstr.) **(Fre)**

[Ureteral risk during prostatectomies] Rovinescu I. **Union Med Can** 1981 Sep;110(9):815–6 (Eng. Abstr.) **(Fre)**

[Complete avulsion of the ureter– a rare injury due to blunt abdominal trauma in children (author's transl)] Feller AM, et al. **Aktuel Traumatol** 1982 Jun;12(3):117–21 **(Ger)**

[Complete subpelvine rupture of ureter as the only sequela of a trauma (case report and references) (author's transl)] Stosch M, et al. **Aktuel Traumatol** 1980 Dec;10(6):295–302 (Eng. Abstr.) **(Ger)**

[Spontaneous recanalization of the ureter injured during gynecological surgery] Sapeta K, et al. **Ginekol Pol** 1981 Jun;52(6):553–6 (Eng. Abstr.) **(Pol)**

[Gunshot wounds of the ureters] Gekhman BS. **Voen Med Zh** 1982 Apr;(4):53–5 **(Rus)**

[Ureteral complications following an aorto–femoral by–pass. Presentation of a case of ureteral lesion with urinary extravasation] Tramoyeres Celma A, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):305–10 (Eng. Abstr.) **(Spa)**

INNERVATION

Innervation of the cat ureter. An experimental study. Fehér E, et al. **Acta Morphol Acad Sci Hung** 1981;29(4):353–9

Substance P–like immunoreactivity in the intramural nerve plexuses of the guinea–pig ureter: a light and electron microscopical study. Sikri KL, et al. **J Anat** 1981 Oct; 133(Pt 3):425–42

Ultrastructure of vesicourethral innervation. I. Neuroeffector and cell junctions in the male internal sphincter. Elbadawi A. **J Urol** 1982 Jul;128(1):180–8

Effects of field stimulation on submucosal plexus in the isolated guinea pig ureter. Yoshida S. **Jpn J Physiol** 1981; 31(3):439–43

Degeneration of axons in the ureteric and duodenal nerve plexuses of the adult rat following in vivo treatment with capsaicin. Hoyes AD, et al. **Neurosci Lett** 1981 Aug 7; 25(1):19–24

MICROBIOLOGY

Antibody coating of bacteria persisting in a ureteral stump 10 years after nephrectomy. Messing E, et al. **J Urol** 1981 Sep;126(3):406–8

PATHOLOGY

Squamous metaplasia in cutaneous ureterostomy stomas. A reaction in everted ureteral mucosa. Ferrer–Roda J, et al. **Eur Urol** 1982;8(1):18–22

Systematic mapping of nephroureterectomy specimens removed for urothelial cancer: pathological findings and clinical correlations. McCarron JP Jr, et al. **J Urol** 1982 Aug;128(2):243–6

Diagnosis and management of pyeloureteral necrosis following renal transplantation. Mandell J, et al. **NC Med J** 1981 May;42(5):327–30

Urothelial neoplasia of the upper urinary tract. Chasko SB, et al. **Pathol Annu** 1981;16(Pt 2):127–53

Retroperitoneal fibrosis infiltrating ureter. Frens PH, et al. **Urology** 1982 Mar;19(3):300–1

PHYSIOLOGY

Pyeloureteral dynamics in the intact and chronically obstructed multicalyceal kidney. Constantinou CE, et al. **Am J Physiol** 1981 Nov;241(5):R398–411

Multiple–coupled pacemaker system in renal pelvis of the unicalyceal kidney. Constantinou CE, et al. **Am J Physiol** 1981 Nov;241(5):R412–8

Altered prostaglandin synthesis by glomeruli from rats with unilateral ureteral ligation. Folkert VW, et al. **Am J Physiol** 1981 Sep;241(3):F289–99

Uptake of Pi in brush border vesicles after release of unilateral ureteral obstruction. Weinreb S, et al. **Am J Physiol** 1982 Jul;243(1):F29–35

Initiation and propagation of stimulus from the renal pelvic pacemaker in pig kidney. Morita T, et al. **Invest Urol** 1981 Nov;19(3):157–60

Urinary concentration in the papillary collecting duct of the rat. Role of the ureter. Oliver RE, et al. **J Clin Invest** 1982 Jan;69(1):157–64

DNA synthesis in the urinary tract epithelium of the rat induced by ureteric ligation. Herbertson BM, et al. **Lab Invest** 1981 Sep;45(3):285–94

Urodynamics of the pyeloureteral system. Constantinou CE. **Prog Clin Biol Res** 1981;78:389–92

Clinical implications of ureteral physiology. Weiss RM, et al. **Prog Clin Biol Res** 1981;78:399–403

Ultrasonic in vivo and in vitro studies on the nature of the ureteral jet phenomenon. Kremer H, et al. **Radiology** 1982 Jan;142(1):175–7

The normal pressure–flow relationship of pyeloureter in the pig. Mortensen J, et al. **Urol Int** 1982;37(1):68–72

Variation of passive mechanical properties of the ureter along its length. van Mastrigt R, et al. **Urol Int** 1981;36(3):145–51

Potassium–induced contractions in pig ureter strips. Consequences for helical muscle–fiber model of ureter. van Duyl WA, et al. **Urology** 1982 Jul;20(1):53–8

[Pyeloplasty with reference to pyeloureteral function (author's transl)] Tsuchida S. **Nippon Hinyokika Gakkai Zasshi** 1982 Jan;73(1):1–9 **(Jpn)**

PHYSIOPATHOLOGY

Ureteral motility after renal autotransplantation. Selli C, et al. **Eur Urol** 1982;8(1):11–3

Evaluation of normal and pathologic ureteral dynamics: comparison of a radioisotopic method with ureteral pressure/flow perfusion study. Braren V, et al. **J Urol** 1982 May;127(5):1014–6

Effects of obstruction on the ureter. Biancani P, et al. **Prog Clin Biol Res** 1981;78:405–7

Peristaltic activity of the upper urinary tract in obstruction. Djurhuus JC. **Prog Clin Biol Res** 1981;78:393–7

[Diagnosis of the ureteral function pre and after gynaecological radical surgery by means of urokinetogram (author's transl)] Philipp K. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):174–7 (Eng. Abstr.) **(Ger)**

[Functional ability of the ileo–ureter determined by camera function scintigraphy] Gervain M, et al. **Z Exp Chir** 1982; 15(2):108–16 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Surgical problems following irradiation therapy: urology (author's transl)] Albrecht KF. **Langenbecks Arch Chir** 1981;355:199–204 (Eng. Abstr.) **(Ger)**

[Evaluation of the effect of preoperative irradiation at a dose of 2000 rad on the state of the ureterosigmoidostomy in patients subjected to total cystectomy for bladder cancer] Borówka A, et al. **Nowotwory** 1981 Jul–Dec;31(3–4):237–42 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Ureteral dilatation in children [letter] Clark RL. **AJR** 1982 Jun;138(6):1221

Normal dilatation of the proximal ureters in children. Kaufman RA, et al. **AJR** 1981 Nov;137(5):945–9

Radiologic evaluation of the ureteral stump. Pollack HM, et al. **Radiology** 1982 Jul;144(2):225–30

Case profile: generalized bilateral vascular impressions on renal collecting systems. Schapira HE, et al. **Urology** 1981 Oct;18(4):410–1

Corkscrew distal ureter: sign of extrinsic ureteral obstruction. Stein BS, et al. **Urology** 1982 Aug;20(2):216–7

RADIONUCLIDE IMAGING

Renal scan in papillary necrosis. Chandeysson PL, et al. **Clin Nucl Med** 1982 Jun;7(6):294

Diuretic radionuclide methods for investigating hydroureteronephrosis. Koff SA, et al. **Eur Urol** 1982; 8(2):82–7

SURGERY

Dilatation of a surgically ligated ureter through a percutaneous nephrostomy. Kaplan JO, et al. **AJR** 1982 Jul;139(1):188–9

Removal of a dislodged ureteral stent through a percutaneous nephrostomy. Zegel HG, et al. **AJR** 1981 Sep;137(3):629–30

Endoscopic lower ureterectomy. Heslop R. **Ann R Coll Surg Engl** 1982 Mar;64(2):108–10

Transperitoneal ureterolithotomy for stones in the lower third of the ureter. Bristol JB, et al. **Br J Urol** 1982 Jun; 54(3):220–2

Reflux—a retrospective study of 100 ureteric reimplantations by the Politano–Leadbetter method and 100 by the Cohen technique. Carpentier PJ, et al. **Br J Urol** 1982 Jun; 54(3):230–3

Replacement of segments of excised ureters by omentally wrapped partial thickness bladder grafts in dogs. A preliminary report. Gardiner RA, et al. **Br J Urol** 1982 Jun;54(3):216–9

Long–term results after uretero–ileo–urethrostomy. Kirkegaard P, et al. **Br J Urol** 1982 Jun;54(3):226–9

The use of the renal capsule in renal and ureteric surgery. Morelle VR, et al. **Br J Urol** 1981 Oct;53(5):403–5

Improvement in renal function following ureteric reimplantation for vesicoureteric reflux. Mundy AR, et al. **Br J Urol** 1981 Dec;53(6):542–4

Overt diabetes mellitus without glycosuria in a patient with cutaneous ureteroileostomy. Onwubalili JK. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1836–7

Bilateral Cohen's antireflux procedure with a single submucosal tunnel. Faure G, et al. **Eur Urol** 1982;8(4):193–5

Lower urinary tract resection as part of cytoreductive surgery for ovarian cancer. Berek JS, et al. **Gynecol Oncol** 1982 Feb;13(1):87–92

Uretero–ureterostomy, transuretero–ureterostomy. Borkowski A, et al. **Int Urol Nephrol** 1981;13(3):261–70

Ureteral replacement in the dog using ethanol preserved glutaraldehyde umbilical vein. Donovan MG, et al. **Ir J Med Sci** 1982 Jan;151(1):12–5

Complications of transverse advancement ureteral reimplantation: diverticulum formation. Ahmed S, et al. **J Urol** 1982 May;127(5):970–3

Secondary pyeloureterostomy with an intact ureter. Anderson MJ, et al. **J Urol** 1982 Aug;128(2):247–8

Ureterocalicostomy for renal salvage. Duckett JW, et al. **J Urol** 1982 Jul;128(1):98–101

Epithelial lesions of bladder mucosa following ureteral reimplantation. Kroovand RL, et al. **J Urol** 1981 Dec; 126(6):822–3

Primary calycoureterostomy for pelviureteral junction obstruction: indications and results. Levitt SB, et al. **J Urol** 1981 Sep;126(3):382–6

Ileal substitution of the ureter in renal transplantation. Orton KR, et al. **J Urol** 1982 Aug;128(2):374–5

Further experience with the ileocecal segment in urinary reconstruction. Skinner DG. **J Urol** 1982 Aug;128(2):252–6

Percutaneous circle–tube nephroureterostomy. Smith AD, et al. **J Urol** 1982 Jan;127(1):29–30

Assessing ureteral wound healing by pressure flow technique.

Smith MW, et al. **J Urol** 1982 Apr;127(4):791–4
Surveillance colonoscopy after ureterosigmoidostomy. Uehling DT, et al. **J Urol** 1982 Jan;127(1):34–6
Re: evaluation of anterior extravesical ureteroneocystostomy in kidney transplantation [letter] Van Cangh PJ, et al. **J Urol** 1982 Jul;128(1):153
Ureteral replacement with a new synthetic material: Gore-Tex. Varady S, et al. **J Urol** 1982 Jul;128(1):171–5
Evaluation of anterior extravesical ureteroneocystostomy in kidney transplantation. Wasnick RJ, et al. **J Urol** 1981 Sep; 126(3):306–7
Ureteral reimplantation in myelodysplasia children. Woodard JR, et al. **J Urol** 1981 Sep;126(3):387–8
The use of grasping forceps in the upper urinary tract: technique and radiologic implications. Meranze SG, et al. **Radiology** 1982 Jul;144(1):171–3
Surgical treatment of retroperitoneal fibrosis with omentoplasty. Carini M, et al. **Surgery** 1982 Feb; 91(2):137–41
Human applications of a self-pumping ureteral prosthesis. Leandri J, et al. **Trans Am Soc Artif Intern Organs** 1981; 27:336–40
Splintless microsurgical anastomosis of the ureter in the dog. Jonas D, et al. **Urol Res** 1981;9(6):271–9
Misconceptions about posterior approach for renoureteral surgery. Bensimon H, et al. **Urology** 1982 May;19(5):462–6
Recent advances and further experience with surgical techniques for one-stage total remodeling of massively dilated ureters. Hanna MK. **Urology** 1982 May; 19(5):495–504
Bilateral or unilateral ureteroneocystostomy for unilateral reflux. Harty JI, et al. **Urology** 1981 Sep;18(3):241–3
Contralateral reflux after unilateral reimplantation [letter] Nasrallah PF. **Urology** 1982 Apr;19(4):454
Results in children managed by cutaneous ureterostomy. Sarduy GS, et al. **Urology** 1982 May;19(5):486–8
Experience with ureterocalyceal anastomosis. Selli C, et al. **Urology** 1982 Jul;20(1):7–12
Experience of the Cohen method for ureteral reimplantation in complicated cases. Gierup J, et al. **Z Kinderchir** 1981 Nov;34(3):255–9
[Transureterostomy in urological reoperations] Simon J, et al. **Acta Urol Belg** 1981 Oct;49(4):432–40 (Eng. Abstr.) **(Fre)**
[Experience with 'internal and external urinary diversion' in operative treatment of renal and ureteral stones (author's transl)] Böcker R, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):241–5 (Eng. Abstr.) **(Ger)**
[Free peritoneal patch grafts in surgery on renal pelvis and ureter (author's transl)] Stadie G, et al. **Urologe [Ausg A]** 1981 Sep;20(5):246–9 (Eng. Abstr.) **(Ger)**
[The diagnostic problem caused by a fibrous polyp appearing on the site of a ureteral implant in the large intestine] Frea B, et al. **Minerva Urol** 1981 Apr-Jun;33(2):63–5 **(Ita)**
[I – Cost/benefit analysis of the postoperative transanastomotic splint in Cohen uretero-vesical reimplants] Dell'Agnola CA, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1–2):83–7 **(Ita)**
[Bilateral high ligation of the ureters after gynecological surgery] Olszewski S, et al. **Ginekol Pol** 1981 Sep; 52(9):833–6 (Eng. Abstr.) **(Pol)**
[Value of the ring-shaped uretero-cutaneous fistula in supracystic urinary diversion in children] Borówka A, et al. **Pediatr Pol** 1981 Jul;56(7):831–3 (Eng. Abstr.) **(Pol)**
[The take of a protein graft at the site of a ureteral injury in dogs. Morphological and clinical evaluation] Gabryelewicz MB, et al. **Pol Tyg Lek** 1981 Oct–Dec; 36(42–52):1617–22 **(Pol)**
[Reconstructive operations on the pyeloureteral junction in patients with a solitary kidney] Witeska A, et al. **Wiad Lek** 1981 Sep 15;34(18):1529–32 (Eng. Abstr.) **(Pol)**
[Value of the Anderson-Hynes plastic operation in the treatment of the pyelo-ureteral junction syndrome] Minecan N, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):469–71 (Eng. Abstr.) **(Rum)**
[Method of tunnel replantation of the ureter into the bladder] Roman LI. **Vestn Khir** 1981 Sep;127(9):69–72 **(Rus)**
[Results in the reconstruction of the pyeloureteral segment using the Anderson-Hynes method] Hromadko M, et al. **Acta Chir Iugosl** 1981;28(2):219–25 (Eng. Abstr.) **(Scr)**
[Surgery of the ureterovesicular junction in children] Petrović S, et al. **Med Pregl** 1981;34(3–4):123–30 (Eng. Abstr.) **(Scr)**
[Drainage, nephrostomy and controls in reconstructive surgery of the upper urinary tract] Vela Navarrete R. **Arch Esp Urol** 1982 Mar-Apr;35(2):63–72 **(Spa)**

TRANSPLANTATION

Ultrasound examination of the kidney after Politano-Leadbetter ureteroneocystostomy. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):349–51
The technique of ureterocystoneostomy in experimental renal orthotopic allotransplantation in the pig. Fortýn K, et al. **Z Exp Chir** 1982;15(2):58–66
[Stenosis of the ureteral meatus on the side opposite to a ureteral replacement. Report of a rare complication of the Boari operation. One case (author's transl)] Borkowski A, et al. **J Urol (Paris)** 1982;88(3):163–5 **(Fre)**

ULTRASTRUCTURE

Morphologic study of primary nonreflux megaureters with particular emphasis on the role of ureteral sheath and ureteral dysplasia. Tokunaka S, et al. **J Urol** 1982 Aug; 128(2):399–402
Histopathology of the nonrefluxing megaloureter: a clue to its pathogenesis. Tokunaka S, et al. **J Urol** 1982 Feb; 127(2):238–44
[The ultrastructural changes of experimental hydroureter in rats (author's transl)] Kawaguchi S. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov; 72(11):1399–412 (Eng. Abstr.) **(Jpn)**

URETERAL CALCULI

COMPLICATIONS

Cessation of premature labor following removal of distal ureteral calculus. Broaddus SB, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):846–8
Chronic peripelvic extravasation treated conservatively. Davies P, et al. **Br J Urol** 1981 Oct;53(5):412–5
Simultaneous presentation of untreated hyperparathyroidism and obstructing ureteral calculi: surgical considerations. Sonda LP 3d, et al. **J Urol** 1982 Jan;127(1):26–8
Case profile: spontaneous urinary extravasation associated with renal colic. DeRidder PA. **Urology** 1982 Jan; 19(1):96–7
[Reflex anuria] Braam PF, et al. **Ned Tijdschr Geneeskd** 1982 Jan 23;126(4):141–3 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

The prognostic value of probe renography in ureteric stone obstruction. Holm-Nielsen A, et al. **Br J Urol** 1981 Dec; 53(6):504–7

DRUG THERAPY

Aminophylline in ureterolithiasis: preliminary report. Katevuo K, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov;19(11):512–3
[Glucagon and hyperdiuresis in the treatment of ureteral calculi] Muraro GB, et al. **Minerva Urol** 1982 Apr-Jun; 34(2):111–5 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Ureteric stone formed upon polyester suture: case report. Androulakakis P, et al. **Int Surg** 1982 Jan-Mar;67(1):83–4

METABOLISM

[Studies on uric acid disorders in patients with urinary calculi (author's transl)] Morimoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):271–7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Spontaneous shifting of concrements in the ureter] Strzyżowski J. **Wiad Lek** 1982 Jan 1;35(1):71–4 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Ureteral calculi. Thornbury JR, et al. **Semin Roentgenol** 1982 Apr;17(2):133–9
Case profile: appendicitis and appendicolithiasis presenting as ureteral stone and colic. Cohen MS, et al. **Urology** 1981 Dec;18(6):623–4
[Subpelvic contrast medium extravasation after urography] Brunzema F. **Z Urol Nephrol** 1981 Nov;74(11):835–6 (Eng. Abstr.) **(Ger)**
[Seventeen cases of urolithiasis in children (author's transl)] Kawamura T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):288–95 (Eng Abstr.) **(Jpn)**

SURGERY

Percutaneous fragmentation and extraction of a large renal calculus. Lieberman RP, et al. **AJR** 1982 Feb;138(2):363–5
Transperitoneal ureterolithotomy for stones in the lower third of the ureter. Bristol JB, et al. **Br J Urol** 1982 Jun; 54(3):220–2
Delivery of low ureteric stones with the Zeiss indwelling probe. Ipiéns-Aznar A. **Br J Urol** 1982 Jun;54(3):223–5
Stone manipulation: a fourteen-year look. Cooner WH, et al. **J Med Assoc State Ala** 1982 Feb;51(8):38–47
Stricture of ureter caused by stone basket manipulation. Altebarmakian VK, et al. **Urology** 1982 Jan;19(1):13–5
[Experience with 'internal and external urinary diversion' in operative treatment of renal and ureteral stones (author's transl)] Böcker R, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):241–5 (Eng. Abstr.) **(Ger)**
[Percutaneous kidney calculus removal] Frang D, et al. **Z Urol Nephrol** 1982 Apr;75(4):275–7 (Eng. Abstr.) **(Ger)**
[Anatomico-clinical basis for transvaginal ureterolithotomy] Kan DW, et al. **Z Urol Nephrol** 1982 May;75(5):341–6 (Eng. Abstr.) **(Ger)**
[Anatomico-clinical basis for transvaginal ureterolithotomy] Kan DV, et al. **Sov Med** 1982;(4):33–6 (Eng. Abstr.) **(Rus)**
[Surgical treatment of patients with ureteral calculi] Taubekova TK. **Sov Med** 1981;(11):54–8 (Eng. Abstr.) **(Rus)**

THERAPY

Percutaneous extraction of renal and ureteral calculi. Banner MP, et al. **Radiology** 1982 Sep;144(4):753–8
Percutaneous nephrostomy as an adjunct in the management of ureteral calculi. Narayan P, et al. **Urol Clin North Am** 1982 Feb;9(1):137–43
Antegrade catheter technique to dissolve uric acid ureteral calculi. Hedgcock MW, et al. **Urology** 1982 Apr; 19(4):407–9
Stone basket retrieval [letter] Huffman J. **Urology** 1981 Sep; 18(3):325
[Removal of ureteral calculi transurethrally with special reference to the so-called 'indwelling Zeiss loop' (author's transl)] Karcher G. **Urologe [Ausg A]** 1981 Sep;20(5):269–73 (Eng. Abstr.) **(Ger)**
[Conservative treatment of ureteral calculi] Karpukhin VT, et al. **Vestn Khir** 1981 Jul;127(7):117–20 **(Rus)**
[Use of magnetotherapy in ureteral calculi] Karpukhin VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul-Aug; (4):58–9 **(Rus)**
[Use of the Fogarty catheter in endoscopic therapy of ureteral calculi] Giannotti P, et al. **Arch Esp Urol** 1981 May-Jun;34(3):217–24 (Eng. Abstr.) **(Spa)**

URINE

[The significance of hypercalciuria in idiopathic calcium urolithiasis (author's transl)] Matsushita K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):590–6 (Eng. Abstr.) **(Jpn)**

URETERAL DISEASES

COMPLICATIONS

A case of uretero-arterial fistula. Goldberg PL, et al. **Br J Urol** 1982 Apr;54(2):196
Anuria in a newborn secondary to bilateral ureteropelvic fungus balls. Eckstein CW, et al. **J Urol** 1982 Jan; 127(1):109–10
The syndrome of diabetes insipidus, diabetes mellitus, optic atrophy, deafness, and other abnormalities (DIDMOAD-syndrome). Two affected sibs and a short review of the literature (98 cases). Dreyer M, et al. **Klin Wochenschr** 1982 May 3;60(9):471–5 (42 ref.)
Malacoplakia: an unusual etiology of ureteral obstruction. Rudd EG, et al. **Obstet Gynecol** 1982 Jul;60(1):134–6
[A spontaneous fistula between an aneurysm of the iliac artery and the right ureter – a case report] Lastre Roye V, et al. **Z Urol Nephrol** 1982 Jan;75(1):43–6 (Eng. Abstr.) **(Ger)**
[Cystic pyelo-ureteritis. Case report and review] Frea B, et al. **Minerva Urol** 1981 Oct-Dec;33(4):271–6 (28 ref.) (Eng. Abstr.) **(Ita)**
[Spontaneous extravasation of urine in pyelo-ureteral colic. Etiopathogenetic and clinico-radiologic aspects] Guariglia A, et al. **Recenti Prog Med** 1981 Oct;71(4):381–99 **(Ita)**

CONGENITAL

[Treatment of neuromuscular dysplasia of the ureter in congenital single kidney in children] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1981 Nov-Dec;(6):50–2 **(Rus)**

DIAGNOSIS

Ureteral and renal endoscopy. A new-approach. Pérez-Castro Ellendt E, et al. **Eur Urol** 1982;8(2):117–20
Giant pelvi-ureteric diverticulum presenting as ascites: (a case report). Desai MB, et al. **J Postgrad Med** 1981 Oct; 27(4):243–4
Obstructed ureterocele with milk of calcium. Engel IA, et al. **Urol Radiol** 1981;3(1):35–7
Observations on persistently dilated ureter after posterior urethral valve ablation. Glassberg KI, et al. **Urology** 1982 Jul;20(1):20–8
[Transurethral uretero-pyeloscopy. Preliminary report (author's transl)] Ellendt EP, et al. **Urologe [Ausg A]** 1981 Sep;20(5):258–60 (Eng. Abstr.) **(Ger)**
[Inspection of the urinary tract by flexible instruments (author's transl)] Wagenknecht LV. **Urologe [Ausg A]** 1982 Mar;21(2):112–4 (Eng. Abstr.) **(Ger)**
[Intrascrotal herniation of the ureter (case report)] Stösslein F, et al. **Z Urol Nephrol** 1981 Sep;74(9):675–7 **(Ger)**
[Our initial experiences with rigid transurethral ureteronephroscopy] Reuter MA, et al. **Arch Esp Urol** 1981 Sep-Oct;34(5):389–92 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Prospective double-blind comparison of buprenorphine and pethidine in ureteric colic. Finlay IG, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1830–1

ETIOLOGY

Ureteric colic due to migrating shotgun pellet. Gawande AS, et al. **Br J Urol** 1982 Apr;54(2):191
Iliioureteric fistula. Joost J, et al. **Br J Urol** 1981 Oct;53(5):477
Uretero-appendiceal fistula, a complication of radical hysterectomy. Nissenkorn I, et al. **Br J Urol** 1982 Apr; 54(2):193
Ureteral 'kinking' following colposuspension [letter] Watt LO. **Can Med Assoc J** 1982 Feb 15;126(4):360,362
Distal ureteral papilloma associated with extensive

proliferative ureteritis. Fourcroy JL, et al. **J Urol** 1981 Dec; 126(6):819–21

A case report: ureterouterine fistula as a complication of elective abortion. Keegan GT, et al. **J Urol** 1982 Jul; 128(1):137–8

Histopathology of the nonrefluxing megaloureter: a clue to its pathogenesis. Tokunaka S, et al. **J Urol** 1982 Feb; 127(2):238–44

Ureteral intussusception caused by fibrous ureteral polyp. Vogelzang RL, et al. **Urol Radiol** 1981;3(1):47–9

Cholesterol embolization — a cause of ureteral stricture. Sayegh NJ, et al. **Urology** 1982 Aug;20(2):166–7

Case profile: medial deviation of ureters secondary to large inguinal hernia. Williamson JC, et al. **Urology** 1982 Feb; 19(2):215–6

[Uretero–vaginal fistula following cesarean section] Rosdy E, et al. **Orv Hetil** 1982 Apr 4;123(14):857–8 **(Hun)**

[Cystic pyeloureteritis. Presentation of 10 cases] Ricós Torrent J, et al. **Arch Esp Urol** 1981 May–Jun;34(3):183–92 (Eng. Abstr.) **(Spa)**

[Spontaneous pneumopyelography: ureterocolic fistula caused by rectosigmoid carcinoma] Virseda JA, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):289–96 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Eosinophilic ureteritis? Regional ureteritis with marked infiltration of eosinophils. Uyama T, et al. **Urology** 1981 Dec;18(6):615–7

[Ureter disorders, patho–anatomical findings with special regard to secondary disorders (author's transl)] Schubert GE, et al. **Urologe [Ausg A]** 1981 Nov;20(6):375–83 (Eng. Abstr.) **(Ger)**

[The ultrastructural changes of experimental hydroureter in rats (author's transl)] Kawaguchi S. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov; 72(11):1399–412 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Radiologic evaluation of the ureteral stump. Pollack HM, et al. **Radiology** 1982 Jul;144(2):225–30

Milk of calcium and ureterocele. Becker JM, et al. **Urol Radiol** 1981;3(1):31–3

Ureteroarterial fistula. Wheatley JK, et al. **Urology** 1981 Nov; 18(5):498–502

RADIONUCLIDE IMAGING

Demonstration of ureteroenteric fistula by MDP imaging. Wechsler RJ, et al. **Clin Nucl Med** 1982 Feb;7(2):75–6

SURGERY

Replacement of segments of excised ureters by omentally wrapped partial thickness bladder grafts in dogs. A preliminary report. Gardiner RA, et al. **Br J Urol** 1982 Jun;54(3):216–9

The surgical management of bilharzial strictures of the ureter. Mee AD, et al. **Br J Urol** 1982 Apr;54(2):103–5

Vesicopsoas hitch: a versatile procedure. Sullivan LD, et al. **Can J Surg** 1982 Jan;25(1):26–9

The vesico–psoas hitch as an adjunct to megaureter repair in childhood. Gearhart JP, et al. **J Urol** 1982 Mar; 127(3):505–7

A second look at ureteral plication. Wan SP, et al. **J Urol** 1982 Apr;127(4):803–4

Ureteric orifice deformation causing secondary reflux. Kullendorff CM. **Scand J Urol Nephrol** 1982;16(1):73–5

Early surgical correction of massive refluxing megaureter in babies by total ureteral reconstruction and reimplantation. Hanna MK. **Urology** 1981 Dec;18(6):562–6

[Treatment of uretero–vaginal fistula by percutaneous nephrostomy and ureteral stent] Courtois C. **Acta Urol Belg** 1982 Jan;50(1):76–86 (Eng. Abstr.) **(Fre)**

[Transureterostomy in urological reoperations] Simon J, et al. **Acta Urol Belg** 1981 Oct;49(4):432–40 (Eng. Abstr.) **(Fre)**

[The intraureteral incision for treatment of ureteral stenosis (author's transl)] Matouschek E. **Urologe [Ausg A]** 1981 Sep;20(5):261–2 (Eng. Abstr.) **(Ger)**

[Therapeutic considerations on primary pathology of the pyelo–ureteral junction] Benelli R, et al. **Minerva Urol** 1981 Oct–Dec;33(4):227–31 (Eng. Abstr.) **(Ita)**

[Remote results of the surgical treatment of vesico–ureteral reflux and ureteral stenosis] Kaliciński ZH, et al. **Pediatr Pol** 1981 Jun;56(6):629–33 (Eng. Abstr.) **(Pol)**

THERAPY

Renal autotransplantation for localized amyloidosis of the ureter. Yazaki T, et al. **J Urol** 1982 Jul;128(1):119–21

[Ureteral colic and zone therapy] Baekgaard N, et al. **Ugeskr Laeger** 1981 Mar 15;143(11):676–8 (Eng. Abstr.) **(Dan)**

[Intensive therapy of patients with bilateral diseases of the kidneys and upper urinary tract] Borzhievskii TsK, et al. **Vrach Delo** 1981 Nov;(11):48–51 (Eng. Abstr.) **(Rus)**

URETERAL NEOPLASMS

COMPLICATIONS

Anuric renal failure due to encasement of the ureters by lymphoma—ureteric obstruction without dilatation. Chong BH, et al. **Aust NZ J Med** 1981 Oct;11(5):542–4

An unusual case of unilateral ureteral obstruction. Mercer LJ, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):234–7

Distal ureteral papilloma associated with extensive proliferative ureteritis. Fourcroy JL, et al. **J Urol** 1981 Dec; 126(6):819–21

Benign ureteral polyp as a cause of intermittent hydronephrosis in a child. Thorup J, et al. **J Urol** 1981 Dec;126(6):796–7

Ureteral intussusception caused by fibrous ureteral polyp. Vogelzang RL, et al. **Urol Radiol** 1981;3(1):47–9

Spontaneous urinary extravasation secondary to primary ureteric carcinoma. Bryniak SR, et al. **Urology** 1982 Jun; 19(6):645–7

[Hematuria caused by fibrous polyps of the ureter in childhood] García Alonso J, et al. **Actas Urol Esp** 1981 Nov–Dec;5(6):381–4 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

The use of the red cell surface antigen to predict the malignant potential of transitional cell carcinoma of the ureter and renal pelvis. Hall L, et al. **J Urol** 1982 Jan; 127(1):23–5

Retrograde brushing to the urothelial tumors of the upper urinary tract for early diagnosis and treatment. Hayakawa M, et al. **Keio J Med** 1981 Apr;30(2):97–103

Ureteral endometriosis in postmenopausal woman. Madgar I, et al. **Urology** 1982 Aug;20(2):174–6

Carcinoma of the ureter: case reports and review. Walsh JA. **Va Med** 1981 Nov;108(11):728–31

[Tumours of the upper excretory tract. A series of 130 cases (author's transl)] Cukier J, et al. **J Urol (Paris)** 1981; 87(2):57–66 (Eng. Abstr.) **(Fre)**

[Malignant tumors of the upper urinary passages (author's transl)] Renner H, et al. **Strahlentherapie** 1981 Dec; 157(12):786–92 (Eng. Abstr.) **(Ger)**

[Lavage–cytology of the renal pelvis and ureter with special reference to tumors (author's transl)] Leistenschneider W, et al. **Urologe [Ausg A]** 1982 Mar;21(2):84–91 (Eng. Abstr.) **(Ger)**

[The diagnostic problem caused by a fibrous polyp appearing on the site of a ureteral implant in the large intestine] Frea B, et al. **Minerva Urol** 1981 Apr–Jun;33(2):63–5 **(Ita)**

[Primary tumors of the ureter. Presentation of an illustrative new case] Laguna E, et al. **Arch Esp Urol** 1981 May–Jun; 34(3):231–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Specific red cell adherence test applied to tumors of ureter and renal pelvis. Gruber MB, et al. **Urology** 1982 Apr; 19(4):361–5

OCCURRENCE

Tumours in Iceland. 6. Tumours of the urinary bladder, ureter and urethra. A histological classification and some epidemiological and environmental factors. Perry SB, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May; 90(3):175–83

Papillary transitional cell tumours, Balkan nephropathy, and beta 2–microglobulin [letter] Radovanović Z, et al. **Lancet** 1981 Sep 26;2(8248):689

[Territorial distribution of Balkan endemic nephropathy and tumors of the kidney pelvis and ureter] Nikolić J, et al. **Urol Nefrol (Mosk)** 1981;(5):20–4 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Intrinsic endometriosis of the ureter. Kokotas N, et al. **Int Urol Nephrol** 1981;13(2):127–30

Urothelial neoplasia of the upper urinary tract. Chasko SB, et al. **Pathol Annu** 1981;16(Pt 2):127–53

Papillary adenocarcinoma of ureter. Brawer MK, et al. **Urology** 1982 Feb;19(2):205–9

[A case of bilateral urothelial carcinoma of the upper urinary tract (author's transl)] Honma Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):349–54 (Eng. Abstr.) **(Jpn)**

[A case of multiple ureteral polyps in childhood (author's transl)] Yoshida M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):601–6 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

A case of intraluminal endometriosis of the ureter. Slomic AM, et al. **J Can Assoc Radiol** 1981 Dec;32(4):244–8

CT demonstration of periureteral fibrosis of malignant etiology. Mieza M, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):290–3

Computed tomography of transitional–cell carcinoma of the renal pelvis and ureter. Baron RL, et al. **Radiology** 1982 Jul;144(1):125–30

[Primary ureter tumor causing diagnostic difficulties] Fél P, et al. **Orv Hetil** 1981 Nov 22;122(47):2911–3 **(Hun)**

[Diagnostic considerations on tumors of the upper excretory passages. Personal experience of the past 4 years] Esposito C, et al. **Minerva Urol** 1981 Jul–Sep;33(3):137–42 **(Ita)**

RADIOTHERAPY

[Primary tumors of the renal pelvis and ureter: value of postoperative external radiotherapy (author's transl)] Nguyen TD, et al. **Sem Hop Paris** 1982 Mar 18;58(11):661–4 (Eng. Abstr.) **(Fre)**

SECONDARY

Metastasis of a renal adenocarcinoma to the residual ureteral stump. Zachwiej J. **Eur Urol** 1981;7(6):371–2

Metastatic malignant melanoma. Symmetrical involvement of both ureters. Downing GC, et al. **J Kans Med Soc** 1982 May;83(5):237–8

Spontaneous urinoma with peripheral neuropathy. Kogan J. **Postgrad Med** 1982 Feb;71(2):103–5, 108

Secondary foci of primary tumors of the bladder in the upper urinary tract. Affre J, et al. **Urol Radiol** 1981;3(1):7–12

[Carcinoma of the pancreas presenting with urological symptoms. Report of two cases (author's transl)] Stosch M, et al. **Urologe [Ausg A]** 1981 Nov;20(6):394–6 (Eng. Abstr.) **(Ger)**

SURGERY

The late results of conservative surgery for upper tract urothelial carcinomas. Wallace DM, et al. **Br J Urol** 1981 Dec;53(6):537–41

Transitional cell tumours of the upper urinary tract—radical or conservative treatment? Kjaer TB, et al. **Scand J Urol Nephrol** 1981;15(3):235–8

Bilateral simultaneous ureteral tumors. McDonald MW, et al. **Urology** 1982 Aug;20(2):168–9

[Ureteral hemangiomas: the intramural arteriovenous hemangioma] Chladt J, et al. **Z Urol Nephrol** 1982 Mar; 75(3):193–6 (Eng. Abstr.) **(Ger)**

[Conservative operations for pyelocaliceal transitional carcinomas] Proca E, et al. **Rev Chir [Chir]** 1981 Nov–Dec; 30(6):401–9 **(Rum)**

ULTRASTRUCTURE

[Inverted papilloma of the ureter. A histochemical and ultrastructural study with discussion of the histogenetic aspects (author's transl)] Pluot M, et al. **Arch Anat Cytol Pathol** 1982;30(1):39–44 (Eng. Abstr.) **(Fre)**

URETERAL OBSTRUCTION

BLOOD

[Plasma levels of free fatty acids, triglycerides and cholesterol in acute subrenal kidney failure] Gyöngyössi G. **Acta Chir Acad Sci Hung** 1980;21(3):245–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

The diagnosis of obstruction in experimental hydroureteronephrosis. Mechanisms for progressive urinary tract dilation. Koff SA. **Invest Urol** 1981 Sep; 19(2):85–8

Pharmacologic preservation of renal mass and function in obstructive uropathy. McDougal WS. **J Urol** 1982 Aug; 128(2):418–21

Pleural effusion associated with urinary tract obstruction: support for a hypothesis. Leung FW, et al. **Thorax** 1981 Aug;36(8):632–3

CONGENITAL

[Hydronephrosis caused by congenital stenosis of the ureteropelvic junction. Hynes–Anderson technic] de la Muela PS, et al. **Arch Esp Urol** 1981 May–Jun;34(3):225–30 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Aortic dissection: presentation as a renal problem in three patients. Demos TC, et al. **AJR** 1981 Dec;137(6):1268–70

Ureteropelvic junction obstruction. Butler ML. **J Clin Gastroenterol** 1979 Dec;1(4):337–40

Ureteropelvic junction obstruction: role of newer diagnostic methods. Koff SA. **J Urol** 1982 May;127(5):898–901

Late followup of dynamic evaluation of upper urinary tract obstruction. Wolk FN, et al. **J Urol** 1982 Aug;128(2):346–7

Effects of obstruction on single–kidney function: clinical and experimental results with 131I–hippurate and 99mTc–DMSA. Moser E, et al. **Nuklearmedizin** 1980 Dec; 19(6):257–62

Resistances of various renal instruments used in ureteral perfusion. Amis ES Jr, et al. **Radiology** 1982 Apr; 143(1):267–8

Ovarian remnant syndrome. Phillips HE, et al. **Radiology** 1982 Feb;142(2):487–8

Retrospective study of ureteral obstruction following vascular bypass surgery. Kaufman JE, et al. **Urology** 1982 Mar;19(3):278–83

EMBRYOLOGY

The pathogenesis of renal dysplasia. III. Complete and incomplete urinary obstruction. Schwarz RD, et al. **Invest Urol** 1981 Sep;19(2):101–3

[Comparative experimental study of the renal consequences of vesico–ureteric reflux and of ureteric obstruction in the sheep foetus (author's transl)] Vallancien G, et al. **J Urol (Paris)** 1982;88(1):27–30 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

[A histochemical study of the obstructed refluxing ureters experimentally induced in dogs (author's transl)] Kawaguchi K. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr; 72(4):395–406 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Ureteric obstruction secondary to 'hour-glass' shaped bladder prolapse. Delaere KP. **Acta Urol Belg** 1982 Jan; 50(1):71–5

Recurrence of ureteral obstruction caused by endometriosis after danazol therapy. Pittaway DE, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):720–2

Anuric renal failure due to encasement of the ureters by lymphoma--ureteric obstruction without dilatation. Chong BH, et al. **Aust NZ J Med** 1981 Oct;11(5):542–4

Pelvic actinomycosis causing ureteric obstruction. Case reports. Fulton IC, et al. **Br J Obstet Gynaecol** 1981 Oct; 88(10):1044–50

Ureteric obstruction due to pelvic actinomycosis. Brown R, et al. **Br J Surg** 1982 Mar;69(3):156

Congenital ureteric valves--a cause of urinary obstruction. Dajani AM, et al. **Br J Urol** 1982 Apr;54(2):98–102

A case of ureteric obstruction due to a double right vena cava forming a periureteric venous ring. Radcliffe A, et al. **Br J Urol** 1981 Oct;53(5):478

Prostatism, obstructive uropathy and uraemia associated with a urachal cyst. Standfield NJ, et al. **Br J Urol** 1981 Oct; 53(5):482

Ureteric obstruction of solitary kidneys by aneurysms of the iliac artery. Thompson PM, et al. **Br J Urol** 1981 Oct; 53(5):421–3

An unusual case of unilateral ureteral obstruction. Mercer LJ, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):234–7

Retroperitoneal fibrosis: a two decade experience and gynecologic manifestations. Kurzel RB, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):271–80

Ureteral obstruction as primary manifestation of metastasizing gastric carcinoma. Oesterwitz H, et al. **Int Urol Nephrol** 1981;13(2):123–6

Kidney function and histopathological changes in unilateral hydronephrosis with special reference to bilharzial ureter. Ragi I, et al. **Int Urol Nephrol** 1981;13(3):237–48

A new approach to ureteral obstruction and pelvic lipomatosis. Baum N, et al. **J La State Med Soc** 1981 Aug; 133(8):118–20

Ureteral stenosis secondary to retroperitoneal rheumatoid nodules. Adelson GL, et al. **J Urol** 1982 Jan;127(1):124–5

Unusual cause of bilateral ureteral obstruction. Bernath AS, et al. **J Urol** 1982 Jun;127(6):1169–71

The lengthy type of post-bilharzial ureteral stricture. Elbaz MG, et al. **J Urol** 1982 May;127(5):894–7

Ureteral obstruction secondary to urethral meatal orifice mass. Goldberg S. **J Urol** 1982 Jul;128(1):142

Ureteral strictures following radiotherapy: incidence, etiology and treatment guidelines. Goodman M, et al. **J Urol** 1982 Jul;128(1):21–4

Conservative management of ureteral obstruction secondary to suture entrapment. Harshman MW, et al. **J Urol** 1982 Jan;127(1):121–3

Malacoplakia presenting as complete unilateral ureteral obstruction. Sexton CC, et al. **J Urol** 1982 Jul;128(1):139–41

Evaluation of anterior extravesical ureteroneocystostomy in kidney transplantation. Wasnick RJ, et al. **J Urol** 1981 Sep; 126(3):306–7

Ureteral stenosis in Wegener's granulomatosis. Report of a case. Ronco P, et al. **Nephron** 1982;30(3):201–4

Malacoplakia: an unusual etiology of ureteral obstruction. Rudd EG, et al. **Obstet Gynecol** 1982 Jul;60(1):134–6

Spontaneous urinoma with peripheral neuropathy. Kogan J. **Postgrad Med** 1982 Feb;71(2):103–5, 108

Management of bilharzial strictures of the lower ureter. Bazeed MA, et al. **Urol Int** 1982;37(1):19–25

Ureteral obstruction following vascular graft surgery. Manco LG, et al. **Urol Radiol** 1982;4(1):47–8

Stricture of ureter caused by stone basket manipulation. Altebarmakian VK, et al. **Urology** 1982 Jan;19(1):13–5

Ureteral obstruction secondary to acute sigmoid diverticulitis. Ruggiero R, et al. **Urology** 1982 Jan; 19(1):63–5

Mycosis fungoides causing ureteral obstruction. Seidman B, et al. **Urology** 1982 Aug;20(2):170–1

Ureteral obstruction secondary to acute sigmoid diverticulitis [letter] Siminovitch JM, et al. **Urology** 1982 Apr;19(4):455

Corkscrew distal ureter: sign of extrinsic ureteral obstruction. Stein BS, et al. **Urology** 1982 Aug;20(2):216–7

[Obstructive uropathy complicating Crohn's disease (author's transl)] Jacobs E, et al. **Acta Gastroenterol Belg** 1981 Nov–Dec;44(11–12):483–93 (Eng. Abstr.) **(Fre)**

[Ureteral obstruction secondary to septic ovarian vein thrombophlebitis] Opsomer RJ, et al. **Acta Urol Belg** 1982 Jan;50(1):65–70 (Eng. Abstr.) **(Fre)**

[Stenosis of the ureteral meatus on the side opposite to a ureteral replacement. Report of a rare complication of the Boari operation. One case (author's transl)] Borkowski A, et al. **J Urol (Paris)** 1982;88(3):163–5 **(Fre)**

[The ureter and retroperitoneal vascular pathology] Lhez JM, et al. **J Urol (Paris)** 1981;87(2):123–5 **(Fre)**

[Utero-hydro nephrosis in rheumatoid purpura, ureteral stenosis?] Piot M, et al. **Pediatrie** 1981 Jun;36(4):277–81 (Eng. Abstr.) **(Fre)**

[Ureteral risk during prostatectomies] Rovinescu I. **Union Med Can** 1981 Sep;110(9):815–6 (Eng. Abstr.) **(Fre)**

[Functional dynamics of obstructive ileal conduits in children (author's transl)] Festge OA, et al. **Z Kinderchir** 1981 Nov; 34(3):260–9 (Eng. Abstr.) **(Ger)**

[Pyometra in rudimentary uterine horn with obstructive dilatation of the urinary tract (author's transl)] Dieminger HJ, et al. **Zentralbl Gynakol** 1981;103(21):1329–33 (Eng. Abstr.) **(Ger)**

[Compression of the pelvic ureter by a vascular obstacle. Case report] Stigliani V. **Minerva Urol** 1981 Oct–Dec; 33(4):277–80 (Eng. Abstr.) **(Ita)**

[Ureteral obstruction by mesenchymoma in children] Derevianko IM, et al. **Urol Nefrol (Mosk)** 1982 May–Jun; (3):61–3 **(Rus)**

[Obstructive uropathy caused by iliac vascular disease] Burgos R, et al. **Actas Urol Esp** 1982 May–Jun;6(3):177–80 (Eng. Abstr.) **(Spa)**

[Periureteral venous ring] Escudero Barrilero A, et al. **Actas Urol Esp** 1981 May–Jun;5(3):153–60 (Eng. Abstr.) **(Spa)**

METABOLISM

Thromboxane B2 and prostaglandin E2 in the rat kidney with unilateral ureteral obstruction. Whinnery MA, et al. **Am J Physiol** 1982 Mar;242(3):F220–5

Renal localization of Tamm-horsfall protein in unilateral obstructive uropathy in rats. Dziukas LJ, et al. **Lab Invest** 1982 Aug;47(2):185–93

PATHOLOGY

Susceptibility of the proximal tubular brush border to acute obstructive injury. Zager RA. **J Urol** 1982 Feb; 127(2):383–6

Structural changes associated with obstruction of the urinary tract: A comparison between upper and lower systems. Gosling JA, et al. **Prog Clin Biol Res** 1981;78:283–4

Left Ureteral obstruction associated with uterine mass [clinical conference] Blight EM Jr, et al. **Urology** 1982 Aug; 20(2):202–5

[Morphological lesions of the kidney in acute bilateral subrenal occlusion] Gyöngyössi G. **Acta Chir Acad Sci Hung** 1980;21(1):55–67 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Effect of obstruction on ureteral circumferential force–length relations. Biancani P, et al. **Am J Physiol** 1982 Aug; 243(2):F204–10

The predictive accuracy of antegrade pressure flow studies in equivocal upper tract obstruction. Witherow RO, et al. **Br J Urol** 1981 Dec;53(6):496–9

Estimation of recuperation of renal function in obstructive uropathy: an experimental study in rats with the use of renoscan. Servadio C, et al. **Int Surg** 1981 Oct–Dec; 66(4):335–8

Isolated nephron segments from rabbit models of obstructive nephropathy. Hanley MJ, et al. **J Clin Invest** 1982 Jan; 69(1):165–74

Gentamicin concentration in the obstructed urinary tract. Bagley DH, et al. **J Urol** 1982 Apr;127(4):657–9

Evaluation of normal and pathologic ureteral dynamics: comparison of a radioisotopic method with ureteral pressure/flow perfusion study. Braren V, et al. **J Urol** 1982 May;127(5):1014–6

Recovery of renal function in a child after prolonged, complete ureteral obstruction. Dhabuwala CB, et al. **J Urol** 1982 Apr;127(4):756–7

Ureteropelvic junction obstruction in infants and children: functional evaluation of the obstructed kidney preoperatively and postoperatively. Parker RM, et al. **J Urol** 1981 Oct;126(4):509–12

The effect of indomethacin on glomerular capillary pressure and pelvic pressure during ureteral obstruction. Sjödin JG, et al. **J Urol** 1982 May;127(5):1017–20

Inhibition by indomethacin of adaptive changes in the contralateral kidney after release of unilateral ureteral occlusion. Siegel NJ, et al. **Kidney Int** 1981 Dec;20(6):691–4

Effects of obstruction on the ureter. Biancani P, et al. **Prog Clin Biol Res** 1981;78:405–7

Peristaltic activity of the upper urinary tract in obstruction. Djurhuus JC. **Prog Clin Biol Res** 1981;78:393–7

The effect of glucagon and diazoxide on the normal and obstructed upper urinary tract. Mayo ME, et al. **Urol Int** 1981;36(2):100–9

[Monolateral ureteral obstruction. Glomerular hemodynamics after 24-hour contralateral ureteral obstruction. A micropuncture study on rat kidney] Corradi A, et al. **Minerva Nefrol** 1981 Jan–Mar;28(1):67–9 (Eng. Abstr.) **(Ita)**

[Blood coagulation disorders in acute obstructive kidney failure] Borzhievskiĭ TsK, et al. **Vrach Delo** 1981 Dec; (12):81–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography of ureteral obstruction. Bosniak MA, et al. **AJR** 1982 Jun;138(6):1107–13

Transient ureteral obstruction after ureteral stenting. Levine RS, et al. **AJR** 1982 Feb;138(2):323–7

Case of the month 49: is this 'ovarian vein syndrome'? Creed L, et al. **Ariz Med** 1981 Jan;38(1):32, 37

Nonrefluxing colonic conduit: efficiency and complications of ureterocolic anastomosis. Arap S, et al. **Eur Urol** 1982; 8(4):196–200

The ureteral 'J' sign: radiographic demonstration of iatrogenic distal ureteral obstruction after ureteral reimplantation. Hensle TW, et al. **J Urol** 1982 Apr; 127(4):766–8

[Loading urography with furesis in ureteral stenosis and its value for the indication of surgery] Moldenhauer W, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):159–66 (Eng. Abstr.) **(Ger)**

[Obstructive and non-obstructive ureteral valves in early infancy (author's transl)] Arlart I, et al. **ROFO** 1981 Sep; 135(3):282–4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Ureteral obstruction in a transplanted kidney renal dynamic study (99m Tc-DTPA). García M, et al. **Bol Asoc Med PR** 1981 Mar;73(3):109–10

Renal transit time measurements in the diagnosis of ureteric obstruction. Whitfield HN, et al. **Br J Urol** 1981 Dec; 53(6):500–3

Radionuclide determination of individual kidney function in the treatment of chronic renal obstruction. Belis JA, et al. **J Urol** 1982 Apr;127(4):636–41

SURGERY

Pelvi-ureteric junction obstruction in children. Harman J, et al. **Aust NZ J Surg** 1982 Apr;52(2):198–202

Pelviureteric obstruction in infancy and childhood. A review of 117 patients. Thomas DF, et al. **Br J Urol** 1982 Jun; 54(3):204–8

Results of the surgical treatment of congenital hydronephrosis caused by subpelvic obstruction. Zachwiej J, et al. **Int Urol Nephrol** 1981;13(4):337–43

Self-retaining ureteral stent catheters in the management of urologic complications of gynecologic malignancies. Yoonessi M, et al. **J Surg Oncol** 1982 Jun;20(2):95–8

Vesicopyelostomy using a tubed bladder flap–multiple psoas hitch technique to an orthotopic kidney. Chary KS, et al. **J Urol** 1982 Jan;127(1):129–31

Primary calycoureterostomy for pelvioureteral junction obstruction: indications and results. Levitt SB, et al. **J Urol** 1981 Sep;126(3):382–6

The universal ureteral stent. Smith AD. **J Urol** 1982 May; 127(5):892–3

Percutaneous nephrostomy: case reports. Matsuda GT. **Mo Med** 1982 May;79(5):279–84, 296

Management of ureteral obstruction after transplantation by percutaneous antegrade pyelography and pyeloureterostomy. Glass NR, et al. **Urology** 1982 Jul; 20(1):15–9

Recent advances and further experience with surgical techniques for one-stage total remodeling of massively dilated ureters. Hanna MK. **Urology** 1982 May; 19(5):495–504

Management of massively dilated ureters in children. Lockhart JL, et al. **Urology** 1981 Sep;18(3):229–34 (69 ref.)

Advancing V-flap dismembered pyeloplasty. Tynes WV 2d, et al. **Urology** 1981 Sep;18(3):235–7

[Surgical treatment of the horseshoe kidney] Kučera J. **Rozhl Chir** 1982 Jan;61(1):11–8 (Eng. Abstr.) **(Cze)**

[Role of urinary diversion in pyeloplasty (author's transl)] Homsy Y, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):37–42 (Eng. Abstr.) **(Fre)**

[Surgical treatment of ureterectasia] Szokoly V, et al. **Acta Chir Acad Sci Hung** 1980;21(3):213–8 (Eng. Abstr.) **(Ger)**

[Primary obstructive mega-ureter in adults] Walz PH, et al. **Helv Chir Acta** 1981 Aug;48(3–4):327–30 (Eng. Abstr.) **(Ger)**

[Significance of a transurethrally implanted PVC splints in the treatment of ureteral obstructions] Patel VJ, et al. **Med Welt** 1982 Jun 18;33(24):879–82 **(Ger)**

[Internal ureteric drainage by antegrade ureteric splinting (author's transl)] Günther R, et al. **ROFO** 1980 Nov; 133(5):479–84 (Eng. Abstr.) **(Ger)**

[External urinary diversion for ureteral obstruction. A simple technical procedure (author's transl)] Sommerkamp H. **Urologe [Ausg A]** 1982 Mar;21(2):106–7 (Eng. Abstr.) **(Ger)**

[Pyelonephrostomy as a life-extending measure in terminal cancer] Kratzik C, et al. **Z Urol Nephrol** 1982 Mar; 75(3):159–65 (Eng. Abstr.) **(Ger)**

[Surgical therapy in the prevention of chronic renal failure] Micali F, et al. **Minerva Med** 1982 Feb 18;73(6):261–4 **(Ita)**

[Value of the Anderson-Hynes plastic operation in the treatment of the pyelo-ureteral junction syndrome] Minecan N, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):469–71 (Eng. Abstr.) **(Rum)**

THERAPY

Management of ureteral obstruction secondary to prior aortic bypass grafts. Gibbons RP, et al. **Am Surg** 1981 Nov; 47(11):465–9

Management of the choked ureter in obstructive renal failure due to uric acid lithiasis. Ansari ER, et al. **J Urol** 1982 Aug;128(2):257–61

Percutaneous antegrade transluminal ureteroplasty for renal allograft ureteral stenosis. Lieberman SF, et al. **J Urol** 1982 Jul;128(1):122–4
Renal autotransplantation for localized amyloidosis of the ureter. Yazaki T, et al. **J Urol** 1982 Jul;128(1):119–21
Percutaneous nephrostomy in a child with obstructive uropathy. Teplick SK, et al. **Postgrad Med** 1982 Jan; 71(1):217–9
Balloon dilatation of a ureteropelvic junction obstruction. Kadir S, et al. **Radiology** 1982 Apr;143(1):263–4
Gibbons ureteral stents. Gibbons RP.
Urol Clin North Am 1982 Feb;9(1):85–8
Indications for palliative urinary diversion in patients with cancer. Ortlip SA, et al. **Urol Clin North Am** 1982 Feb; 9(1):79–84
Percutaneous dilatation of ureteroenteric strictures or occlusions in ileal conduits. Martin EC, et al.
Urol Radiol 1982;4(1):19–21
Easier way to introduce pigtail ureteral stents. Camacho MF, et al. **Urology** 1981 Oct;18(4):402
Technique for replacing indwelling double-J ureteral stents. Chodak G, et al. **Urology** 1982 May;19(5):544–5
Successful dilatation of ureteroileal anastomotic stenosis using Grüntzig catheter. Dixon GD, et al. **Urology** 1982 May; 19(5):555–8

URETEROCELE

CLASSIFICATION

[Ureteroceles in childhood : attempted reclassification and management. Report of twenty-four cases (author's transl)] Bondonny JM, et al. **Ann Pediatr (Paris)** 1981 Dec; 28(10):763–6 **(Fre)**

COMPLICATIONS

Crossed fused renal ectopia with single crossed ectopic ureterocele. Fishman M, et al. **J Urol** 1982 Jan;127(1):117–8
Urethral obstruction in boys caused by prolapse of simple ureterocele. Diard F, et al. **Pediatr Radiol** 1981; 11(3):139–42
[Complete triplication of the ureter associated with an ectopic ureterocele (author's transl)] Arap S, et al.
J Urol (Paris) 1982;88(3):167–9 **(Fre)**

CONGENITAL

Clinicopathological conference: severe oliguria, renal failure and urinary ascites in a 12-day-old newborn. Keegan GT, et al. **J Urol** 1982 Jul;128(1):106–9

DIAGNOSIS

Obstructed ureterocele with milk of calcium. Engel IA, et al. **Urol Radiol** 1981;3(1):35–7
[A case of infantile ectopic ureterocele] Carozzino L, et al. **Minerva Pediatr** 1981 Sep 15;33(17):861–6 **(Ita)**

EMBRYOLOGY

Ureteroceles in single versus duplicated systems. An embryologic hypothesis. Magee MC. **Urology** 1981 Oct; 18(4):365–7

ETIOLOGY

Ureterocele in bilharziasis of the urinary tract. Elem B, et al. **Br J Urol** 1981 Oct;53(5):428–9

PATHOLOGY

Orthotopic ureterocele presenting as swelling at the external urinary meatus. Moore T. **Br J Urol** 1982 Apr;54(2):197
Morphological study of the ureterocele: a possible clue to its embryogenesis as evidenced by a locally arrested myogenesis. Tokunaka S, et al. **J Urol** 1981 Dec; 126(6):726–9

RADIOGRAPHY

Milk of calcium ureterocele. Poulos A, et al.
South Med J 1982 Aug;75(8):1012–3
Milk of calcium and ureterocele. Becker JM, et al.
Urol Radiol 1981;3(1):31–3
Unusual radiographic findings in ectopic ureterocele. Weinberg B, et al. **Urology** 1981 Sep;18(3):302–4
[Radiography of the urinary tract in children: possible misinterpretations] Richter E. **Rontgenpraxis** 1982 Jun; 35(6):199–206 **(Ger)**

SURGERY

Simplified treatment of ectopic ureterocele in 35 children. Cendron J, et al. **Eur Urol** 1981;7(6):321–3
Endoscopic ureteroneocystostomy for orthotopic ureteroceles. Tortora FL Jr, et al. **J Urol** 1982 Jan; 127(1):31–3
Ureterocele in adults. A follow-up study of 28 adult patients treated with transurethral diathermy incision. Abrahamsson LO, et al. **Scand J Urol Nephrol** 1981;15(3):239–42
The management of ureteroceles--a review of 45 patients. Clason AE, et al. **Scott Med J** 1982 Jul;27(3):229–33
[Remarks on the management of ectopic ureteroceles (author's transl)] Jenny P, et al. **Z Kinderchir** 1982 Mar; 35(3):106–8 (Eng. Abstr.) **(Ger)**

URETHANE

see related
POLYURETHANES

Effect of positive end-expiratory pressure on lung compliance in dogs after acute alveolar injury. Barrett CR Jr, et al. **Am Rev Respir Dis** 1981 Dec;124(6):705–8
Inhibition of 7,12-dimethylbenz[a]anthracene- and urethan-induced lung tumor formation in A/J mice by long-term treatment with dehydroepiandrosterone. Schwartz AG, et al. **Carcinogenesis** 1981;2(12):1335–7

ADVERSE EFFECTS

Hyperglycemia in urethane-anesthetized rats: involvement of the adrenal gland. Hinton BT. **Lab Anim Sci** 1982 Jun; 32(3):251–2

ANALOGS & DERIVATIVES

Lysolecithin acyltransferase and alveolar phosphatidylcholine palmitate in experimental acute alveolar injury in the dog lung. Liau CF, et al.
Biochim Biophys Acta 1982 Jan 15;710(1):76–81
Comparison of sister chromatid exchange induction and known carcinogenic activities of vinyl and allyl carbamates. Cheng M, et al. **Cancer Res** 1982 Jun;42(6):2165–7
Correlations of DNA damage and repair with nuclear and chromosomal damage in HeLa cells caused by methylnitrosamides. Collins AR, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5176–87
Transplacental and neonatal carcinogenesis by 1-butyl-1-nitrosourethan in the ACI/N rat. Maekawa A, et al. **Gan** 1980 Dec;71(6):811–5
Ultrastructure of pulmonary tumors induced in rats by N-nitrosomethylurethane. Reznik-Schüller HM, et al.
J Toxicol Environ Health 1981 Sep;8(3):501–6

METABOLISM

Formation of precancerous islands in rat liver and modification of DNA by ethyl carbamate: implications for its metabolism. Scherer E, et al.
Dev Toxicol Environ Sci 1980;8:249–54

PHARMACODYNAMICS

Labeled 1,N6-ethenoadenosine and 3,N4-ethenocytidine in hepatic RNA of mice given[ethyl-1,2(-3)H or ethyl-1(-14)C]ethyl carbamate (urethan). Ribovich ML, et al. **Carcinogenesis** 1982;3(5):539–46
The effect of local anesthetics and ammonia on cortical granule-plasma membrane attachment in the sea urchin egg. Hylander BL, et al. **Dev Biol** 1981 Aug;86(1):1–11
Differential effect of althesin versus chloralose-urethane anesthesia on in vivo LHRH and LH release in the proestrous rat. Ching M. **Endocr Res Commun** 1982; 9(1):37–46
Tissue-specific induction of sister chromatid exchanges by ehtyl carbamate in mice. Roberts GT, et al.
Environ Mutagen 1980;2(1):17–26
Effect of urethane, dimethylnitrosamine, paraquat and butylated hydroxytoluene on the activities of glycolytic key enzymes in mouse lung. Arany I, et al.
Environ Res 1981 Dec;26(2):335–9
Unsuitability of urethane anesthetized rats for testing potential beta-adrenoreceptor blockers. Maggi CA, et al. **Experientia** 1982 Apr 15;38(4):517–9
Thiamine whole blood and urinary pharmacokinetics in rats: urethan-induced dose-dependent pharmacokinetics. Pipkin JD, et al. **J Pharm Sci** 1982 Feb;71(2):169–72
Susceptibility of various strains of mice to urethan-induced lung tumors and depressed natural killer cell activity. Gorelik E, et al. **JNCI** 1981 Dec;67(6):1317–22
Mechanism of the effect of urethane on the secretion of prolactin in the male rat. Findell PR, et al. **Life Sci** 1981 Oct 12;29(15):1515–22
Absence of synergism between mutagenic treatments, given one generation apart, in Drosophila melanogaster. Knaap AG, et al. **Mutat Res** 1982 Feb 22;92(1-2):117–21

THERAPEUTIC USE

[Quinine and urethane sclerosing agents in the treatment of oral and facio-cervical hemangioma (analysis of 110 cases) (author's transl)] Liu SH.
Chung Hua Kou Chiang Ko Tsa Chih 1980 Mar;15(1):26–8 **(Chi)**

URETHRA

Urethral insertion of foreign bodies. A report of contagious self-mutilation in a maximum-security hospital. Rada RT, et al. **Arch Gen Psychiatry** 1982 Apr;39(4):423–9
Treatment of infection in the presence of an indwelling urethral catheter. Jones RF, et al. **Br J Urol** 1982 Jun; 54(3):316–9
Human application of an original interchangeable urethral prosthesis without surgical act. Rey P, et al.
Int J Artif Organs 1982 May;5(3):217–20
Bladder perforation and urethral catheter extrusion: an unusual complication of cerebrospinal fluid-peritoneal shunting. Burnette DG Jr. **J Urol** 1982 Mar;127(3):543–4
On reconstruction of the penis with urethra and a dorsal skin-lined socket socket for a removable prosthesis: a new approach. Mukherjee GD. **Plast Reconstr Surg** 1982 Feb; 69(2):377–8
Semi-quantitative cystourethroscopic assessment of infravesical obstruction: a valid substitute for pressure-flow recordings? Andersen JT, et al. **Prog Clin Biol Res** 1981; 78:277–81
Implantation of a new semi-automatic artificial genitourinary sphincter: experience with patients utilizing a new concept of primary and secondary activation. Barrett DM, et al. **Prog Clin Biol Res** 1981;78:375–86
[Multiple foreign bodies in the urethra] Piasecki Z, et al. **Przegl Lek** 1981;38(12):883–4 **(Pol)**

ABNORMALITIES

Accessory duct of the urethra: report of a case. Tallarigo C, et al. **Acta Urol Belg** 1982 Jan;50(1):133–6
Radiological case of the month. Urethral duplication: perineal urethra. Sty JR, et al. **Am J Dis Child** 1982 Mar; 136(3):265–6
Y-type urethral triplication. Zattoni F, et al. **Br J Urol** 1982 Apr;54(2):195
Prenatal diagnosis of fetal megabladder and urethral agenesis. Mariona FG, et al. **Diagn Gynecol Obstet** 1981 Fall; 3(3):259–63
Blind-ending vesicoperineal accessory urethra presenting with urinary obstruction and infertility. Sharma SK, et al. **Eur Urol** 1982;8(3):191–2
Accessory phallic urethra in the female patient. Bellinger MF, et al. **J Urol** 1982 Jun;127(6):1159–64
The protean aspects of posterior urethral valves. Crooks KK. **J Urol** 1981 Dec;126(6):763–6
Urethral strictures following transurethral resection of posterior urethral valves. Crooks KK. **J Urol** 1982 Jun; 127(6):1153–4
Anterior urethral diverticulum associated with posterior urethral valves. Graham SD Jr, et al. **J Urol** 1982 Aug; 128(2):376–8
Clitoromegaly and megalourethra in idiopathic female intersex. Huben RP, et al. **J Urol** 1981 Dec;126(6):849–51
Vaginal urethra, clitoral hypertrophy and accessory phallic urethra: a rare syndrome of female pseudohermaphroditism. Hurwitz RS, et al. **J Urol** 1982 Jun;127(6):1165–8
Urethral and genital malformations in prune belly syndrome. Kroovand RL, et al. **J Urol** 1982 Jan;127(1):94–6
Major and minor complications of posterior urethral valves. Kurth KH, et al. **J Urol** 1981 Oct;126(4):517–9
Congenital patent urachus associated with complete (hypospadiac(duplication of the urethra and solitary crossed renal ectopia. Lane V. **J Urol** 1982 May; 127(5):990–1
Prevention of urethral strictures in the management of posterior urethral valves. Myers DA, et al. **J Urol** 1981 Nov;126(5):655–7
Trifurcation of the urethra: a case report. Schmeller NT, et al. **J Urol** 1982 Mar;127(3):545–6
Ultrasonic detection of an abnormal mass in a fetus later shown to have trisomy 18. Heller RH, et al.
Prenatal Diagn 1981 Jul;1(3):223–6
Urodynamic studies in boys with disorders of the lower urinary tract. V. Posterior urethral folds. A pre- and postoperative study. von Hedenberg C, et al.
Scand J Urol Nephrol 1981;15(3):215–21
Urologic anomalies associated with hypospadias. Khuri FJ, et al. **Urol Clin North Am** 1981 Oct;8(3):565–71
Complete duplication of bladder and urethra with related anomalies. Bianchi G, et al. **Urology** 1981 Dec;18(6):596–8
Neonatal perirenal urinary extravasation with posterior urethral valves. Cass AS, et al. **Urology** 1981 Sep; 18(3):258–61
Observations on persistently dilated ureter after posterior urethral valve ablation. Glassberg KI, et al. **Urology** 1982 Jul;20(1):20–8
Megalourethra with posterior urethral valves. Krueger RP, et al. **Urology** 1981 Sep;18(3):279–81
Anterior urethral valves. Lewis EL, et al. **Urology** 1981 Nov; 18(5):494–5
[Aplastic vulva and masculine urethra: masculinization effects of the urogenital sinus in genetically female cattle due to chimerism with the XXY gonosomal complement] Rieck GW, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15;95(10):181–5 (Eng. Abstr.) **(Ger)**
[A case report of posterior urethral valve complaining of retrograde ejaculation (author's transl)] Hama T, et al.
Nippon Hinyokika Gakkai Zasshi 1981 Sep;72(9):1184–7 (Eng. Abstr.) **(Jpn)**

ANALYSIS

[Adrenergic receptors in sheep urethra (author's transl)] García-Sacristán A, et al. **Rev Esp Fisiol** 1981 Dec; 37(4):497–500 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Prominent lateral mucosal folds in the bulbous urethra. Bourne CW, et al. **J Urol** 1981 Sep;126(3):326–30
Urethral plug--a new secondary male sex characteristic in rat and other rodents. Kunstýř I, et al. **Lab Anim** 1982 Apr;16(2):151–5

BLOOD SUPPLY

Massive hemospermia: a new etiology and simplified

treatment. Cattolica EV. **J Urol** 1982 Jul;128(1):151–2

The function of the urethral blood flow in maintaining urinary continence. A preliminary report. Rud T. **Zentralbl Gynakol** 1981;103(22):1337–43

CYTOLOGY

Structure of the prostate and the pelvic urethra in barrows and the changes induced by diethylstilbestrol. Lauwers H, et al. **Acta Anat (Basel)** 1981;110(4):327–37

Histochemical study of urethral striated musculature in the dog. Bazeed MA, et al. **J Urol** 1982 Aug;128(2):406–10

DRUG EFFECTS

The action of imipramine on the lower urinary tract of the dog. Creed KE, et al. **Br J Urol** 1982 Feb;54(1):5–10

Influence of indomethacin and aspirin on the vesicosphincteric dynamics of prostatectomized patients. Matos-Ferreira A, et al. **Eur Urol** 1982;8(3):163–72

Lowering of maximum urethral closure pressure by phentolamine and by terbutaline. Bapna BC, et al. **Indian J Med Res** 1981 Mar;73:439–42

Decentralization supersensitivity of the urethra: a urodynamic study with urethral instillation of phenylephrine. Rao MS, et al. **Indian J Med Res** 1982 Feb; 75:294–300

In vitro effects of prostaglandins on the guinea pig detrusor and bladder outlet. Finkbeiner AE, et al. **Urol Res** 1981; 9(6):281–8

The effect of danazol on the human female urethra. Iosif S, et al. **Zentralbl Gynakol** 1981;103(22):1344–7

[Studies of urodynamics. VIII. Clinical and experimental studies of effects of prostaglandin E2 and prostaglandin F2 alpha on lower urinary tract (author's transl)] Kaneko S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct; 72(10):1221–6 (Eng. Abstr.) **(Jpn)**

INJURIES

Urethro-rectal perforation at cystoscope. Manenti A, et al. **Acta Urol Belg** 1981 Oct;49(4):452–3

Posterior urethral injuries after pelvic fracture. Sandler CM, et al. **AJR** 1981 Dec;137(6):1233–7

Genito-urinary tract injuries of civil hostilities. Archbold JA, et al. **Br J Surg** 1981 Sep;68(9):625–31

Bladder and urethral injuries in patients with pelvic fractures. Antoci JP, et al. **J Urol** 1982 Jul;128(1):25–6

Management of urethral injuries in University of Nigeria Teaching Hospital. Attah CA, et al. **J Urol** 1982 Aug; 128(2):287–9

Urethrocavernosus fistula. Ochsner MG, et al. **J Urol** 1982 Jun;127(6):1190

Recognition and treatment of bulbous urethral trauma: case report. Kossow AS. **Milit Med** 1981 Dec;146(12):882–4

Immediate transpubic approach to avulsions of the prostatomembranous urethra. Dunlap DJ. **Minn Med** 1981 Dec;64(12):759–60

Emergency management of urethral trauma. Morehouse DD. **Urol Clin North Am** 1982 Jun;9(2):251–4

Urethral coitus. Shukla VK, et al. **Urology** 1982 May; 19(5):542–3

Ruptured urethra caused by trauma in a dog. Jones GH, et al. **VM SAC** 1981 May;76(5):672–3

[Reconsideration of several problems in management of urethral injuries and traumatic urethral strictures (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):705–9 (Eng. Abstr.) **(Chi)**

[Urethra disorders due to bicycle riding] van Gooswilligen JC. **Ned Tijdschr Geneeskd** 1982 Mar 27;126(13):565–6 **(Dut)**

[Immediate and delayed treatment of traumatic rupture of the posterior urethra. An evaluation of 69 cases] Chatelain C, et al. **Acta Urol Belg** 1982 Apr;50(2):201–11 (Eng. Abstr.) **(Fre)**

[Early repair of rupture of the posterior urethra in males. Report on 10 cases (author's transl)] Filimon C, et al. **J Urol (Paris)** 1981;87(7):419–26 (Eng. Abstr.) **(Fre)**

[Complete or incomplete rupture of the urethra (author's transl)] Petkovic S. **J Urol (Paris)** 1982;88(1):43–4 (Eng. Abstr.) **(Fre)**

[Urethral injuries due to windsurfing] Senn E, et al. **Schweiz Z Sportmed** 1982 Mar;30(1):18–20 (Eng. Abstr.) **(Ger)**

[Paediatric urethral injures: initial management and long-term results (author's transl)] Kehrer B, et al. **Z Kinderchir** 1982 Mar;35(3):115–7 (Eng. Abstr.) **(Ger)**

[Urethroplasty with free cutaneous patch graft in traumatic lesions of the anterior urethra] Carmignani G, et al. **Minerva Urol** 1981 Oct-Dec;33(4):233–8 **(Ita)**

[Urethroplasty with a dura mater patch in rupture of the urethra] Ferrando U, et al. **Minerva Urol** 1981 Jul-Sep; 33(3):163–8 **(Ita)**

[Urinary tract injuries treated at a hospital surgical department] Dutkiewicz A, et al. **Wiad Lek** 1981 Jun 1; 34(11):911–5 (Eng. Abstr.) **(Pol)**

[Sexual function failures after injuries of the posterior urethra (author's transl)] Vrabec J, et al. **Bratisl Lek Listy** 1982 Mar;77(3):343–6 (Eng. Abstr.) **(Slo)**

INNERVATION

Relevance of sympathetic dyssynergia in the region of external urethral sphincter: possible mechanism of voiding dysfunction in the absence of (somatic) sphincter dyssynergia. Koyanagi T, et al. **J Urol** 1982 Feb; 127(2):277–82

Sympathetic influence on striated urethral sphincter in urinary incontinence. Nordling J, et al. **Prog Clin Biol Res** 1981;78:101–3

Sympatholytic effect on striated urethral sphincter. A peripheral or central nervous system effect? Nordling J, et al. **Scand J Urol Nephrol** 1981;15(3):173–80

Flexor reflex control of the external sphincter of the urethra in paraplegia. Jolesz FA, et al. **Science** 1982 Jun 11; 216(4551):1243–5

Urethral responses to nerve stimulation measured by strain gauge force transducer. Koinuma N, et al. **Tohoku J Exp Med** 1982 Jun;137(2):229–30

[Studies on the autonomic innervation of the proximal urethra in the female dog (author's transl)] Nishizawa O. **Nippon Hinyokika Gakkai Zasshi** 1981 Jan;72(1):32–41 **(Jpn)**

METABOLISM

Nitroimidazoles in the canine prostate, vagina, and urethra. Nielsen OS, et al. **Prostate** 1981;2(1):71–8

MICROBIOLOGY

Isolation of Chlamydia trachomatis from the urethra and from prostatic fluid in men with signs and symptoms of acute urethritis. Nilsson S, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):456–9

Male carriage of Gardnerella vaginalis. Dawson SG, et al. **Br J Vener Dis** 1982 Aug;58(4):243–5

Provision of a chlamydial culture service to a sexually transmitted diseases clinic. Ridgway GL, et al. **Br J Vener Dis** 1982 Aug;58(4):236–8

The bacterial flora of the vaginal vestibule, urethra and vagina in premenopausal women with recurrent urinary tract infections. Pfau A, et al. **J Urol** 1981 Nov;126(5):630–4

Impact of neonatal intensive care [letter] Fontaine EA, et al. **Lancet** 1982 Jan 30;1(8266):281

Structure of carbohydrate part of receptor on human uroepithelial cells for pyelonephritogenic Escherichia coli. Källenius G, et al. **Lancet** 1981 Sep 19;2(8247):604–6

Microbiology of the urethral syndrome [letter] Maskell R, et al. **Lancet** 1982 Feb 6;1(8267):343

Doubtful significance of fastidious bacteriuria in the urethral syndrome [letter] Seal DV, et al. **Lancet** 1982 Jan 9; 1(8263):115

Bacterial colonization of human urethral mucosa. II. Adherence tests using tissue organ cultures. Colleen S, et al. **Scand J Urol Nephrol** 1981;15(3):181–7

[Altered bacterial periurethral flora in young girls with chronic, recurrent urinary tract infections? (author's transl)] Hofmann K, et al. **Infection** 1981;9(5):252–4 (Eng. Abstr.) **(Ger)**

[On the practical value of microscopic examination of urethral and cervical smears in gonorrhoea] Weismann K, et al. **Z Hautkr** 1982 Jun 1;57(11):803–9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

'Adenomatoid' versus 'nephrogenic' metaplasia [letter] Imahori SC. **Am J Clin Pathol** 1981 Sep;76(3):366

Long-term evaluation of the effect of catheter materials on urethral tissue in dogs. Goodpasture JC, et al. **Lab Anim Sci** 1982 Apr;32(2):180–2

[The effects of some types of urethritis on the cytology of the fossa navicularis of the human masculine urethra (author's transl)] Fabre J, et al. **Arch Anat Cytol Pathol** 1981;29(4):233–8 (Eng. Abstr.) **(Fre)**

[Changes in urethral and bladder mucosa in a urethral syndrome] Permiakov AN, et al. **Arkh Patol** 1982; 44(2):42–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Urodynamic studies in the normal menstrual cycle: the relationship between hormonal changes during the menstrual cycle and the urethral pressure profile. Van Geelen JM, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):384–92

Electrical and mechanical activity of the isolated lower urinary tract of the guinea-pig. Callahan SM, et al. **Br J Pharmacol** 1981 Oct;74(2):353–8

Urethral pressure profilometry: a low compliant recording system with perfused catheter. Engberg A, et al. **Clin Physiol** 1981 Jun;1(3):313–21

Principles and methods of clinical urodynamic investigations. Constantinou CE. **Crit Rev Biomed Eng** 1982 Mar; 7(3):229–64

Spectral analysis of perineal muscles EMG. Vereecken RL, et al. **Electromyogr Clin Neurophysiol** 1982 May-Jun; 22(4):321–6

Spatial distribution and timing of transmitted and reflexly generated urethral pressures in healthy women. Constantinou CE, et al. **J Urol** 1982 May;127(5):964–9

Mechanisms of urinary continence: an animal model to study urethral responses to stress conditions. Thüroff JW, et al. **J Urol** 1982 Jun;127(6):1202–6

Functional pattern of sacral root stimulation in dogs. II. Urethral closure. Thüroff JW, et al. **J Urol** 1982 May; 127(5):1034–8

Bulbo-sphincteric reflex latency: technique. Awad EA, et al. **Prog Clin Biol Res** 1981;78:145–50

Contribution and timing of transmitted and generated pressure components in the female urethra. Constantinou CE, et al. **Prog Clin Biol Res** 1981;78:113–20

Reexamination of the intraurethral pressure determination using CO2 perfusion: its monitoring mechanism, standardization, and employment for the determination of the urethral constitutive property. Ghista DN, et al. **Prog Clin Biol Res** 1981;78:243–51

How to measure inner urethral wall softness. Plevnik S, et al. **Prog Clin Biol Res** 1981;78:253–8

Frequency power spectrum analysis of sphincter electromyography. Puers B, et al. **Prog Clin Biol Res** 1981; 78:151–60

Carbon fiber used as urethral electromyographic electrodes and a urethral sensor. Takaiwa M, et al. **Prog Clin Biol Res** 1981;78:179–97

[Computer analysis of the electromyogram of the external urethral sphincter (author's transl)] Morita T, et al. **Nippon Heikatsukin Gakkai Zasshi** 1981 Sep;17(3):107–13 (Eng. Abstr.) **(Jpn)**

[Pharmacologic study of the external urethral sphincter through recordings of the electromyogram (author's transl)] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 May;72(5):559–63 (Eng. Abstr.) **(Jpn)**

[Direct visual observation of the contraction of the urinary bladder and urethra during stimulating pelvic nerve, hypogastric nerve and pudendal nerve electrically--a new in vivo method (author's transl)] Morita T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):306–12 (Eng. Abstr.) **(Jpn)**

[Study of the profile of intraurethral pressure] Zakhmatov IuM, et al. **Urol Nefrol (Mosk)** 1982 Jan-Feb;(1):44–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The role of urethral pressure profile measurement in female patients with urethral carcinoma. Asmussen M, et al. **Ann Chir Gynaecol** 1982;71(2):122–5

Dynamic urethral function in the assessment of spinal injury patients. Bary PR, et al. **Br J Urol** 1982 Feb;54(1):39–44

Diagnosis of urinary incontinence in dogs: role of the urethral pressure profile. Rosin AE, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):814–22

Neurologic aspects of detrusor-sphincter dyssynergia, with reference to the guarding reflex. Siroky MB, et al. **J Urol** 1982 May;127(5):953–7

Etiologic possibilities for increased pelvic floor electromyography activity during cystometry. Wein A, et al. **J Urol** 1982 May;127(5):949–52

Urethral pressure profiles following radical hysterectomy. Sasaki H, et al. **Obstet Gynecol** 1982 Jan;59(1):101–4

Urethral diverticula: urethral closure pressure profile: a preliminary report. Bhatia NN, et al. **Prog Clin Biol Res** 1981;78:239–42

The impact of bladder neck suspension on the mode of distribution of abdominal pressure along the female urethra. Constantinou CE, et al. **Prog Clin Biol Res** 1981;78:121–32

The static urethral closure pressure profile in female incontinence. A comparison between sphincter and detrusor incontinence. de Jonge MC, et al. **Prog Clin Biol Res** 1981;78:231–8

Urinary cerebral-evoked potentials mediated through urethral sensory nerves--a preliminary report. Gerstenberg T, et al. **Prog Clin Biol Res** 1981;78:141–3

Urodynamic and neurophysiologic significance of sacral somatic activity in the retention state of spinal shock patients. Rossier AB, et al. **Prog Clin Biol Res** 1981; 78:161–78

Urethral sphincter electromyography in urinary voiding disorders. Whitfield HN, et al. **Prog Clin Biol Res** 1981; 78:85–90

Incompetent urethral closure mechanism in females. Experimental and clinical studies with special reference to diagnosis and classification. Fossberg E, et al. **Urol Int** 1982; 37(1):34–41

A planimetric study on the female urethral closure pressure profile. Mortensen S, et al. **Urol Int** 1982;37(2):134–8

Cystometry and UPP measurement under fluoroscopic visualization by means of X-ray television in patients with a traumatic spinal cord lesion. Namiki T. **Urol Int** 1981; 36(4):248–55

Evaluation of women with chronic voiding discomfort. Mabry EW, et al. **Urology** 1981 Sep;18(3):244–6

Urethral syndrome or urinary tract infection? Schmidt RA, et al. **Urology** 1981 Oct;18(4):424–7

[The results of measurement of postoperative urethrovesical profiles in women suffering with urinary incontinence (author's transl)] Sindlář M, et al. **Cesk Gynekol** 1981 Feb; 46(1):31–4 (Eng. Abstr.) **(Cze)**

[Electromyographic study of the striated sphincter of the urethra in 150 patients with prostatic pathology] Hublet D, et al. **Acta Urol Belg** 1981 Oct;49(4):483–7 (Eng. Abstr.) **(Fre)**

[An urethromanometric study using micro-pressures gauges for female urinary incontinence. A definition of the index of continence. Applications (author's transl)] Petipré C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):785–95 (Eng. Abstr.) **(Fre)**

[Relevance of urethral pressure profile to diagnosis of stress

incontinence (author's transl)] Voigt R, et al. **Zentralbl Gynakol** 1981;103(22):1348–56 (Eng. Abstr.) **(Ger)**

[Lower urinary tract disturbance due to cerebrovascular accidents with special reference to the findings by brain computed tomography (author's transl)] Tsuchida S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):880–91 (Eng. Abstr.) **(Jpn)**

[Electromyography of the urethral and anal sphincter] Jušić A. **Acta Med Iugosl** 1981;35(5):311–8 (Eng. Abstr.) **(Scr)**

RADIOGRAPHY

Pre- and postoperative bead chain urethrocystography in female stress urinary incontinence. Ala-Ketola L, et al. **Acta Obstet Gynecol Scand** 1981;60(4):369–74

Urethrography: recognition of Cowper's glands and ducts. Flanagan JJ. **Clin Radiol** 1982 Jan;33(1):71–3

Evaluation of the urethra in males with spinal cord injury. Calenoff L, et al. **Radiology** 1982 Jan;142(1):71–6

Endourologic techniques for the bladder and urethra. Schwartz BA, et al. **Urol Clin North Am** 1982 Feb; 9(1):165–7

[Interpretation and meaning of urethrocystographic findings in the diagnosis of urinary incontinence in women] Voigt R, et al. **Z Urol Nephrol** 1981 Dec;74(12):873–8 (Eng. Abstr.) **(Ger)**

[Method of colpo-urethrocystography. Part I: Method-dependent reproducibility and interpretation of colpo-urethrocystograms – comparison between chain and wick techniques (author's transl)] Abet L, et al. **Zentralbl Gynakol** 1981;103(22):1373–82 (Eng. Abstr.) **(Ger)**

[Method of colpo-urethrocystography. Part II: Physico-technical conditions for optimum colpo-urethrocystography (author's transl)] Richter J, et al. **Zentralbl Gynakol** 1981;103(22):1383–94 (Eng. Abstr.) **(Ger)**

[Cystography in female incontinence] Ballerini G, et al. **Minerva Ginecol** 1981 Sep;33(9):831–40 (Eng. Abstr.) **(Ita)**

[A new modified catheter for voiding cystourethrography (author's transl)] Tsuchida S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):967–72 (Eng. Abstr.) **(Jpn)**

[Clinical significance of urethrovenous reflux] Skotnikov VI, et al. **Vrach Delo** 1982 Feb;(2):89–91 **(Rus)**

SURGERY

Long-term results after uretero-ileo-urethrostomy. Kirkegaard P, et al. **Br J Urol** 1982 Jun;54(3):226–9

Use of internal urethrotomy to reverse upper renal tract dilatation in children with neurogenic bladder dysfunction. Rickwood AM. **Br J Urol** 1982 Jun;54(3):292–4

Urethrolysis in the management of females with recurrent frequency and dysuria. Smith PJ, et al. **Br J Urol** 1981 Dec;53(6):634–6

Skin patch urethroplasty: 5-year followup. Blum JA, et al. **J Urol** 1982 May;127(5):909

An objective comparison of transurethral resection and bladder neck incision in the treatment of prostatic hypertrophy. Edwards L, et al. **J Urol** 1982 Aug; 128(2):325–7

Internal urethrotomy without a catheter: use of a urethral stent. Fair WR. **J Urol** 1982 Apr;127(4):675–6

Long-term results with the Kaufman prosthesis. Graham S., Jr, et al. **J Urol** 1982 Aug;128(2):328–30

A rare complication of transpubic urethroplasty [letter] Lau WY, et al. **J Urol** 1982 Feb;127(2):342

Retreat from transpubic urethroplasty for obliterated membranous urethral strictures. Lieberman SF, et al. **J Urol** 1982 Aug;128(2):379–81

Primary management of urinary stress incontinence by the Marshall-Marchetti-Krantz vesicourethropexy. Parnell JP 2d, et al. **J Urol** 1982 Apr;127(4):679–82

Pubourethral supports in perspective: modified pereyra procedure for urinary incontinence. Pereyra AJ, et al. **Obstet Gynecol** 1982 May;59(5):643–8

Urethral advancement for distal hypospadias repair in circumcised patients. Baran NK. **Plast Reconstr Surg** 1982 Oct;70(4):496–504

The type of current frequency used in transurethral resection of prostate (TURP) affects the androgen receptor. Albert J, et al. **Prostate** 1982;3(3):221–4

Transurethral resection of the prostate for chronic bacterial prostatitis. Barnes RW, et al. **Prostate** 1982;3(3):215–9

Hydrodynamics of micturition following Marshall-Marchetti-Krantz procedure for stress urinary incontinence. Sjöberg B. **Scand J Urol Nephrol** 1982; 16(1):11–20

Urodynamic studies before and after retropubic urethropexy for stress incontinence in females. Beisland HO, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):333–6

Mobilization of the anterior urethra as an aid in the one-stage repair of hypospadias. Waterhouse K, et al. **Urol Clin North Am** 1981 Oct;8(3):521–5

One-stage urethroplasty for hypospadias using a tube constructed with bladder mucosa— a new procedure. Zhong-Chu L, et al. **Urol Clin North Am** 1981 Oct; 8(3):463–70

Renal scarring in vesicoureteric reflux and distal urethral stenosis treated by urethrotomy. Andresen J, et al. **Urol Int** 1982;37(2):121–4

Doe. internal urethrotomy influence susceptibility to recurrent urinary tract infection? Busch R, et al. **Urology** 1982 Aug;20(2):134–7

Visual urethrotomy in management of male urethral duplication. Goldstein HR, et al. **Urology** 1981 Oct; 18(4):374–6

Erectile impotence as complication of direct vision cold knife urethrotomy. McDermott DW, et al. **Urology** 1981 Nov; 18(5):467–9

Perineal urethrostomy [letter] Mador DR, et al. **Urology** 1982 Jul;20(1):109

Simple, quick technique of perineal urethrostomy. Marsidi PJ, et al. **Urology** 1981 Dec;18(6):610–1

[Urethroplasty for hypospadias. Complications of one-stage and several-stage operations (author's transl)] Kelalis PP. **J Urol (Paris)** 1981;87(2):93–6 (Eng. Abstr.) **(Fre)**

[Persistent urinary incontinence after posterior urethral valve endoscopic section in boys. Urodynamic study (author's transl)] Ruarte AC, et al. **J Urol (Paris)** 1981;87(5):309–15 (Eng. Abstr.) **(Fre)**

[Angina pectoris — an early sign of water intoxication during transurethral prostatectomy (author's transl)] Van Aken H, et al. **Anaesthesist** 1982 May;31(5):255–6 (Eng. Abstr.) **(Ger)**

[Thoughts on the radical intervention of transurethral electroresection in bladder cancer] Matz M. **Z Urol Nephrol** 1982 Apr;75(4):259–64 (Eng. Abstr.) **(Ger)**

[Urethral plastic surgery in hypospadias] Cavaliere P, et al. **Minerva Urol** 1981 Apr–Jun;33(2):77–84 **(Ita)**

[Urethroplasty with a dura mater patch in rupture of the urethra] Ferrando U, et al. **Minerva Urol** 1981 Jul–Sep; 33(3):163–8 **(Ita)**

[Results of treatment of urinary stress incontinence in women by urethrocystopexy] Borówka A. **Pol Tyg Lek** 1981 Feb 9;36(6):217–8 (Eng. Abstr.) **(Pol)**

[Internal urethrotomy with cold knife under direct vision] Freire GC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct;36(5):198–201 (Eng. Abstr.) **(Por)**

[Experience with the treatment of hypospadias in children] Dzhavad-zade MD, et al. **Vestn Khir** 1981 Dec; 127(12):99–103 (Eng. Abstr.) **(Rus)**

[On some problems in the modern surgery of the urethra (author's transl)] Novak R. **Lijec Vjesn** 1982 Jan; 104(1):19–20 **(Scr)**

[Therapeutic results of internal optic urethrotomy in strictures of the male urethra (author's transl)] Horňák M, et al. **Bratisl Lek Listy** 1982 Feb;77(2):192–6 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

A histochemical and ultrastructural study of human urethral uroepithelium. Alm P, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 Mar; 90(2):103–11

URETHRAL DISEASES

[Diverticula of the female urethra. Review] Roa Luzuriaga M. **Arch Esp Urol** 1981 Jul–Aug;34(4):253–66 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Carcinoma in diverticulum of the female urethra. Tines SC, et al. **AJR** 1982 Mar;138(3):582–5

Giant calculus in urethral diverticulum. Sinha A, et al. **Br J Urol** 1982 Feb;54(1):62

The coexistence of Wilms' tumor and imperforate anus with rectourethral fistula. Early CK, et al. **J Pediatr Surg** 1981 Oct;16(5):756–7

Ureteral obstruction secondary to urethral meatal orifice mass. Goldberg S. **J Urol** 1982 Jul;128(1):142

Paired cystic masses communicating with the posterior urethra producing urinary obstruction. Haynes AJ Jr, et al. **J Urol** 1981 Nov;126(5):700–1

[Cancer in an urethral diverticulum. Review of the literature and report of 2 cases] Jensen KM, et al. **Ugeskr Laeger** 1981 Sep 21;143(39):2485–7 (Eng. Abstr.) **(Dan)**

CONGENITAL

Anterior urethral diverticulum associated with posterior urethral valves. Graham SD Jr, et al. **J Urol** 1982 Aug; 128(2):376–8

[Congenital anterior urethral fistulas (author's transl)] Merlini E, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):223–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Technique for detection of detrusor hypertonia in the presence of urethral sphincteric incompetence. Woodside JR, et al. **J Urol** 1982 Apr;127(4):740–3

Urethral diverticula: urethral closure pressure profile: a preliminary report. Bhatia NN, et al. **Prog Clin Biol Res** 1981;78:239–42

[Diverticulum of the female urethra] Benchekroun A, et al. **Maroc Med** 1981 Mar;3(1):541–5 (Eng. Abstr.) **(Fre)**

[Female urethral diverticulum] Adolphs HD, et al. **Gynakologe** 1982 Mar;15(1):45–50 (42 ref.) **(Ger)**

[Diverticula of the female urethra (author's transl)] Lazarevski M, et al. **Jugosl Ginekol Opstet** 1981 May–Aug; 21(3–4):83–5 (Eng. Abstr.) **(Scr)**

[Urethral diverticula in the female] Verdú F, et al. **Arch Esp Urol** 1981 May–Jun;34(3):175–82 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Dysfunction of the detrusor and urethra in multiple sclerosis: the role of drug therapy. Awad SA, et al. **Can J Surg** 1982 May;25(3):259–62

Conservative management of urethral prolapse in female children. Redman JF. **Urology** 1982 May;19(5):505–6

[Urethral caruncle treated with local application of stilbestrol (author's transl)] Chen YM, et al. **Chung Hua Wai Ko Tsa Chih** 1981 Jan;19(1):48 (Eng. Abstr.) **(Chi)**

ETIOLOGY

Recto-urethral fistula in Crohn's disease. Rampton DS, et al. **Br J Surg** 1982 Apr;69(4):233

Complete transurethral inversion of the urinary bladder. Nasr MF, et al. **J Reprod Med** 1981 Nov;26(11):585–7

Urethrocavernosus fistula. Ochsner MG, et al. **J Urol** 1982 Jun;127(6):1190

Acquired urethral diverticula in the male. Bazeed MA, et al. **Urol Int** 1981;36(6):380–5

Case profile: radiolucent urethral calculus with hemostatic clip nidus. Miedema EB, et al. **Urology** 1982 Mar;19(3):328

[Urethra disorders due to bicycle riding] van Gooswilligen JC. **Ned Tijdschr Geneeskd** 1982 Mar 27;126(13):565–6 **(Dut)**

[Urethral fistulas after circumcision: apropos of 15 cases] Benchekroun A, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):715–8 (Eng. Abstr.) **(Fre)**

[Hemospermia caused by proliferative papillary urethritis] Navio Niño S, et al. **Actas Urol Esp** 1981 Sep–Oct; 5(5):331–4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Isolation of Chlamydia trachomatis from women with urethral syndrome. Weil A, et al. **Arch Gynecol** 1981; 230(4):329–33

Urethral syndrome or dysuria/frequency syndrome: a terminological and microbiological dilemma [letter] Brumfitt W, et al. **Lancet** 1982 May 8;1(8280):1066–7

PHYSIOPATHOLOGY

Urethral syndrome or urinary tract infection? Schmidt RA, et al. **Urology** 1981 Oct;18(4):424–7

RADIOGRAPHY

Dorsal diverticulum of the distal male urethra. Duszlak EJ Jr, et al. **AJR** 1982 May;138(5):931–3

Evaluation of the urethra in males with spinal cord injury. Calenoff L, et al. **Radiology** 1982 Jan;142(1):71–6

[Opacification of accessory structures of the urethra in urethrography] Alessi V, et al. **Minerva Urol** 1981 Oct–Dec;33(4):259–65 (Eng. Abstr.) **(Ita)**

SURGERY

Urethrovaginal and vesicovaginal fistula. A review of 29 patients. Henriksson C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):143–8

A method of closing urethral fistulae using a purse-string or interrupted silk sutures. Fatah MF. **Br J Plast Surg** 1982 Jan;35(1):102–3

Double-breasted technique for the repair of urethral fistulas after hypospadias surgery. Lau JT, et al. **Br J Urol** 1982 Apr;54(2):111–3

Experience with a laterally based vaginal flap approach for urethral diverticulum. Appell RA, et al. **J Urol** 1982 Apr; 127(4):677–8

Cryoprecipitate coagulum as an adjunct to surgery for diverticula of the female urethra. Feldstein MS. **J Urol** 1981 Nov;126(5):698–9

Subglandular urethral fistula following circumcision: repair by the advancement method. Lau JT, et al. **J Urol** 1981 Nov;126(5):702–3

The development of microsurgical techniques in experimental and clinical repair of urethrocutaneous fistulas. Masterson JS, et al. **J Urol** 1982 Aug;128(2):285–6

Cryosurgical treatment of urethral prolapse. Adducci JE. **Minn Med** 1981 Dec;64(12):769–70

Urethral prolapse in girls. Venable DD, et al. **South Med J** 1982 Aug;75(8):951–3, 958

Coagulum-facilitated urethral diverticulectomy [letter] Berger RM, et al. **Urology** 1982 Aug;20(2):227

Simplified closure of hypospadias fistulas. Goldstein HR, et al. **Urology** 1981 Nov;18(5):504–5

[Closure of large vesico—urethra—vaginal defect with pedicled myocutaneous gracilis flap (author's transl)] Tölle E, et al. **Urologe [Ausg A]** 1981 Sep;20(5):274–7 (Eng. Abstr.) **(Ger)**

[Postoperative urethrorectal fistula and closure by Kraske's approach] Ginesin Y, et al. **Harefuah** 1981 Sep; 101(5–6):114–5 (Eng. Abstr.) **(Heb)**

THERAPY

Medical treatment of urethral prolapse in children. Richardson DA, et al. **Obstet Gynecol** 1982 Jan;59(1):69–74

VETERINARY

Common occurrence of urethral cysts in older female ranch mink. Hadlow WJ, et al. **Vet Pathol** 1981 Sep;18(5):599–607

Ruptured urethra caused by trauma in a dog. Jones GH, et al. **VM SAC** 1981 May;76(5):672–3

URETHRAL NEOPLASMS

COMPLICATIONS

Carcinoma in diverticulum of the female urethra. Tines SC, et al. **AJR** 1982 Mar;138(3):582–5

Papillary adenocarcinoma arising in a urethral diverticulum accompanied by adenocarcinoma of the bladder: case report and review of the literature. Reheis JP, et al. **J Urol** 1981 Nov;126(5):695–7

[Cancer in an urethral diverticulum. Review of the literature and report of 2 cases] Jensen KM, et al. **Ugeskr Laeger** 1981 Sep 21;143(39):2485–7 (Eng. Abstr.) **(Dan)**

[Urethral leiomyoma in a patient with scrotal hypospadias] El'terman MF, et al. **Urol Nefrol (Mosk)** 1982 Jan–Feb;(1):59–60 **(Rus)**

[Hemospermia caused by proliferative papillary urethritis] Navío Niño S, et al. **Actas Urol Esp** 1981 Sep–Oct;5(5):331–4 (Eng. Abstr.) **(Spa)**

CONGENITAL

Transurethral resection of pedunculated congenital polyps of the posterior urethra. Zulian RA, et al. **Br J Urol** 1982 Feb;54(1):45–8

Polyp of the posterior urethra. Murphy DM, et al. **Eur Urol** 1982;8(4):204–6

Posterior urethral polyp in a neonate. Rao PL, et al. **J Postgrad Med** 1981 Apr;27(2):125–6, 125A

Congenital polyp of the prostatic urethra. Kimche D, et al. **J Urol** 1982 Jan;127(1):134

Congenital polyp of the verumontanum. Eakins M, et al. **Urol Radiol** 1982;4(1):49–50

[Urethral polyps in boys] Rumiantseva GN, et al. **Urol Nefrol (Mosk)** 1982 Jan–Feb;(1):60–1 **(Rus)**

DIAGNOSIS

Nephrogenic adenoma: clinical features and therapeutic considerations. Berger BW, et al. **J Urol** 1981 Dec;126(6):824–6

Urinoma formation secondary to tumor obstruction of the ureter. Cricco RP, et al. **W Va Med J** 1980 Dec;76(12):311–4

[Benign neoplasms of the urethra in women] Uzunova I, et al. **Khirurgiia (Sofiia)** 1982;35(1):88–9 **(Bul)**

[Primary melanoma of the female urethra. Personal case and review of the literature] Losappio M, et al. **Arch De Vecchi Anat Patol** 1981 Dec;64(3):521–7 **(Ita)**

[Carcinoma of the male urethra. Considerations on a clinical case] Maione G, et al. **Minerva Urol** 1982 Apr–Jun;34(2):121–6 **(Ita)**

DRUG THERAPY

5-fluorouracil cream 5% in the treatment of intraurethral condylomata acuminata. Bringel PJ, et al. **Br J Urol** 1982 Jun;54(3):295

[Local treatment of urethral condylomata by 5-fluorouracil] Mayer P, et al. **Urologe [Ausg A]** 1981 Mar;20(2):93–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Zinc concentration and content of the dorsal, lateral and medical prostatic lobes and of periurethral adenomas in man. Tisell LE, et al. **J Urol** 1982 Aug;128(2):403–5

OCCURRENCE

Tumours in Iceland. 6. Tumours of the urinary bladder, ureter and urethra. A histological classification and some epidemiological and environmental factors. Perry SB, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May;90(3):175–83

PATHOLOGY

Intestinal mucosal heterotopia of an urethral caruncle. Järvi OH, et al. **Acta Pathol Microbiol Immunol Scand [A]** 1982 May;90(3):213–9 (82 ref.)

Papillary adenocarcinoma of the prostatic urethra with clear-cell appearance. Cantrell BB, et al. **Cancer** 1981 Dec 15;48(12):2661–7

Clear cell adenocarcinoma of the female urethra: clinical and ultrastructural study suggesting a unique neoplasm. Tanabe ET, et al. **Cancer** 1982 Jan 15;49(2):372–8

Nephrogenic adenoma of the urinary bladder and urethra. Bhagavan BS, et al. **Hum Pathol** 1981 Oct;12(10):907–16

Plasmacytoma of the urethra. Campbell CM, et al. **J Urol** 1982 May;127(5):986

Melanoma of the female urethra. Godec CJ, et al. **J Urol** 1981 Oct;126(4):553–5

Squamous cell carcinoma of the male urethra: case report. Clark MA, et al. **Milit Med** 1982 Jun;147(6):501–3

Clear cell adenocarcinoma of the urethra. A case report. Philipson BM, et al. **Scand J Urol Nephrol** 1981;15(3):327–9

Villous adenoma and adenocarcinoma of female urethra. Powell I, et al. **Urology** 1981 Dec;18(6):612–4

[Juvenile urethral polyp with prostatic glandular tissue] Felding JU, et al. **Ugeskr Laeger** 1981 Dec 21;143(52):3553–4 (Eng. Abstr.) **(Dan)**

[Female urethral leiomyoma (author's transl)] Montellato N, et al. **J Urol (Paris)** 1982;88(1):45–6 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The role of urethral pressure profile measurement in female patients with urethral carcinoma. Asmussen M, et al. **Ann Chir Gynaecol** 1982;71(2):122–5

RADIOGRAPHY

Case profile: double-contrast urethrography for visualizing small lesions in distal urethra. Yokoyama M, et al. **Urology** 1982 Apr;19(4):440

SURGERY

Continuous wave carbon dioxide laser treatment of giant condylomata acuminata of the distal urethra and perineum: technique. Rosemberg SK, et al. **J Urol** 1981 Dec;126(6):827–9

Some guidelines in the treatment of urethral condylomata with carbon dioxide laser. Rosemberg SK, et al. **J Urol** 1982 May;127(5):906–8

Melanoma of the male urethra: surgical approach and pathological analysis. Weiss J, et al. **J Urol** 1982 Aug;128(2):382–5

Exenterative surgery for posterior urethral cancer. Bracken RB. **Urology** 1982 Mar;19(3):248–51

Pubic rami resection for urologic cancer [letter] Klein FA, et al. **Urology** 1982 Jul;20(1):109–10

Primary malignant melanoma of male urethra. Kokotas NS, et al. **Urology** 1981 Oct;18(4):392–4

[External application of neodymium-YAG-laser in urology (author's transl)] Staehler G. **Urologe [Ausg A]** 1981 Sep;20 Suppl:323–7 (Eng. Abstr.) **(Ger)**

VETERINARY

Urethral adenocarcinoma in a dog. Ryan CP, et al. **VM SAC** 1981 Sep;76(9):1315–7

URETHRAL OBSTRUCTION

COMPLICATIONS

Progression to end-stage renal disease in children with obstructive uropathy. Warshaw BL, et al. **J Pediatr** 1982 Feb;100(2):183–7

Urinoma formation secondary to tumor obstruction of the ureter. Cricco RP, et al. **W Va Med J** 1980 Dec;76(12):311–4

[A method of producing open hydronephrosis in the rat (author's transl)] Ikeda A. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):1056–63 (Eng. Abstr.) **(Jpn)**

CONGENITAL

The varied sonographic appearance of the urinary tract in the fetus and newborn with urethral obstruction. Glazer GM, et al. **Radiology** 1982 Aug;144(3):563–8

Neonatal perirenal urinary extravasation with posterior urethral valves. Cass AS, et al. **Urology** 1981 Sep;18(3):258–61

EMBRYOLOGY

The pathogenesis of renal dysplasia. III. Complete and incomplete urinary obstruction. Schwarz RD, et al. **Invest Urol** 1981 Sep;19(2):101–3

ETIOLOGY

Paired cystic masses communicating with the posterior urethra producing urinary obstruction. Haynes AJ Jr, et al. **J Urol** 1981 Nov;126(5):700–1

Bladder-sphincter dysfunction in childhood. Koff SA. **Urology** 1982 May;19(5):457–61

PATHOLOGY

[Obstructive urethral valves in adults] Cranidis A, et al. **Helv Chir Acta** 1981 Aug;48(3–4):335–8 **(Ger)**

PHYSIOPATHOLOGY

[Urine stream pressure and urethral energy loss] Festge OA, et al. **Z Urol Nephrol** 1981 Sep;74(9):643–9 (Eng. Abstr.) **(Ger)**

[Lower urinary obstruction in women. Urodynamic aspects] Tallada M, et al. **Arch Esp Urol** 1982 Mar–Apr;35(2):115–24 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Urethral obstruction in boys caused by prolapse of simple ureterocele. Diard F, et al. **Pediatr Radiol** 1981;11(3):139–42

SURGERY

Intrauterine treatment of fetal hydronephrosis. Levine AH, et al. **AORN J** 1982 Mar;35(4):655–62

A study of the sequelae of posterior urethral valves. Egami K, et al. **J Urol** 1982 Jan;127(1):84–7

[Management of the upper urinary tract in boys with posterior urethral valves (65 cases) (author's transl)] Mollard P, et al. **Chir Pediatr** 1981;22(6):411–5 (Eng. Abstr.) **(Fre)**

THERAPY

Tube-bouginage technic in the management of urethral stone (case reports). Dasgupta HK, et al. **J Postgrad Med** 1981 Jul;27(3):187–188b

Iatrogenic ureteral obstruction treated with balloon dilation. Reimer DE, et al. **J Urol** 1981 Nov;126(5):689–90

URETHRAL STRICTURE

Urethral stricture disease in children. Harshman MW, et al. **J Urol** 1981 Nov;126(5):650–4

CHEMICALLY INDUCED

Urethral stricture following antiandrogen therapy [letter] Yokoyama M, et al. **J Urol** 1982 Feb;127(2):342–3

COMPLICATIONS

Urethral stricture following indwelling catheter in hypospadias repair. Shafir R, et al. **Ann Plast Surg** 1982 May;8(5):416–9

An unusual case of retrograde ejaculation and a brief review of management. Virupannavar C, et al. **Fertil Steril** 1982 Feb;37(2):275–6

[Pathogenic importance of stenosis of the female urinary meatus in recurrent urinary infection] Rioja Sanz C, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):233–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Urethral stenosis in the young girl, myth or reality? Comparison of clinical, radiological, instrumental and urodynamic data (author's transl)] Averous M, et al. **J Urol (Paris)** 1981;87(2):67–75 (Eng. Abstr.) **(Fre)**

[Diagnosis and therapy of postoperative stricture of the posterior urethra] Flamm J, et al. **Z Urol Nephrol** 1982 Mar;75(3):145–51 (Eng. Abstr.) **(Ger)**

[Female urethral stenosis] Lux B, et al. **Z Urol Nephrol** 1982 Apr;75(4):281–9 (45 ref.) **(Ger)**

ETIOLOGY

Urethral strictures following transurethral resection of posterior urethral valves. Crooks KK. **J Urol** 1982 Jun;127(6):1153–4

An uncommon type of bulbar urethral stricture, sometimes familial, of unknown cause: congenital versus acquired. Currarino G, et al. **J Urol** 1981 Nov;126(5):658–62

Urethral strictures after open heart surgery [letter] **Lancet** 1982 Feb 13;1(8268):392

Catheters and postoperative urethral stricture [letter] **Lancet** 1982 Mar 13;1(8272):622–3

'Epidemic' of acute urethral stricture after open-heart surgery [letter] Ruutu M, et al. **Lancet** 1982 Jan 23;1(8265):218

Incidence of urethral stricture after transurethral resection of prostate. Effects of urinary infection, urethral flora, and catheter material and size. Hart AJ, et al. **Urology** 1981 Dec;18(6):588–91

[Urethral shortening after intemperate catheterisation (author's transl)] Alno L, et al. **Chirurgie** 1981;107(9):675–9 (Eng. Abstr.) **(Fre)**

[Urethral stenosis after transurethral bladder catheterisation (author's transl)] Testas P, et al. **Chirurgie** 1981;107(9):680–4 (Eng. Abstr.) **(Fre)**

[Iatrogenic stenosis of the male urethra. 50 cases (author's transl)] Viville C, et al. **J Urol (Paris)** 1981;87(7):413–8 (Eng. Abstr.) **(Fre)**

[Complication of adenomectomy of the prostate and methods of their treatment] Lopatkin NA. **Urol Nefrol (Mosk)** 1982 Jan–Feb;(1):3–9 (Eng. Abstr.) **(Rus)**

HISTORY

The historical evolution of the internal urethrotomy. Schultze-Seemann F. **Eur Urol** 1982;8(1):54–60

PHYSIOPATHOLOGY

Urodynamic assessment of anterior urethral constrictions. Studies with micturitional vesicourethral static pressure profile. Yalla SV, et al. **Urology** 1982 Jan;19(1):106–13

[Urine stream pressure and urethral energy loss] Festge OA, et al. **Z Urol Nephrol** 1981 Sep;74(9):643–9 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Prevention of urethral strictures in the management of posterior urethral valves. Myers DA, et al. **J Urol** 1981 Nov;126(5):655–7

RADIOGRAPHY

Recognition and treatment of bulbous urethral trauma: case report. Kossow AS. **Milit Med** 1981 Dec;146(12):882–4

SURGERY

Postoperative treatment following internal urethrotomy.

Chiari R. **Acta Urol Belg** 1982 Apr;50(2):153–63
The Sachse optical urethrotomy. Long term follow-up results. Van Dessel J, et al. **Acta Urol Belg** 1982 Apr; 50(2):179–88
Gas embolism associated with use of lasers for urethral surgery [letter] Vourc'h G, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):160
Critical evaluation of direct vision urethrotomy by urine flow measurement. Desmond AD, et al. **Br J Urol** 1981 Dec; 53(6):630–3
Internal urethrotomy under direct vision in men. Bekirov HM, et al. **J Urol** 1982 Jul;128(1):37–8
Skin patch urethroplasty: 5-year followup. Blum JA, et al. **J Urol** 1982 May;127(5):909
Endoscopic urethrotomy: does it live up to its promises? Boccon Gibod L, et al. **J Urol** 1982 Mar;127(3):433–5
Transpubic urethroplasty in children. Kramer SA, et al. **J Urol** 1981 Dec;126(6):767–9
Retreat from transpubic urethroplasty for obliterated membranous urethral strictures. Lieberman SF, et al. **J Urol** 1982 Aug;128(2):379–81
Internal urethrotomy with the Sachse urethrotome. Iversen Hansen R, et al. **Scand J Urol Nephrol** 1981;15(3):189–91
Renal scarring in vesicoureteric reflux and distal urethral stenosis treated by urethrotomy. Andresen J, et al. **Urol Int** 1982;37(2):121–4
Does internal urethrotomy influence susceptibility to recurrent urinary tract infection? Busch R, et al. **Urology** 1982 Aug;20(2):134–7
Visual internal urethrotomy under local anesthesia. Macso E. **Urology** 1982 Aug;20(2):189
Surgical management of urethral stricture in the male. Smith PJ, et al. **Urology** 1981 Dec;18(6):582–7
[Reconsideration of several problems in management of urethral injuries and traumatic urethral strictures (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):705–9 (Eng. Abstr.) **(Chi)**
[Treatment of traumatic urethral stricture in children (author's transl)] Wu GQ. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):603–4 (Eng. Abstr.) **(Chi)**
[Internal urethrotomy by Otis method. A prospective study] Hjortrup A, et al. **Ugeskr Laeger** 1982 Apr 19; 144(16):1157–60 (Eng. Abstr.) **(Dan)**
[Treatment of urethral stenosis in men] Denis L, et al. **Acta Urol Belg** 1982 Apr;50(2):164–7 (Eng. Abstr.) **(Fre)**
[Use of a free graft for the treatment of urethral stricture] De Sy W, et al. **Acta Urol Belg** 1982 Apr;50(2):196–200 (Eng. Abstr.) **(Fre)**
[The trans-symphysis route in posterior urethral stricture] Le Gillou M, et al. **Acta Urol Belg** 1982 Apr;50(2):212–6 (Eng. Abstr.) **(Fre)**
[Surgical treatment of urethral stenosis using the Monseur technic. Apropos of 30 cases] Lufuma LN, et al. **Acta Urol Belg** 1982 Apr;50(2):189–95 (Eng. Abstr.) **(Fre)**
[Long-term results of internal urethrotomy] Van Cangh PJ, et al. **Acta Urol Belg** 1982 Apr;50(2):168–70 (Eng. Abstr.) **(Fre)**
[Significance of endoscopic urethrotomy] Vanwelkenhuyzen P, et al. **Acta Urol Belg** 1982 Apr;50(2):171–8 (Eng. Abstr.) **(Fre)**
[Round table: what is new on the subject of urethral stenosis in 1980?] **J Urol (Paris)** 1980;86(10):757–65 **(Fre)**
[Present status of transurethral laser technique in the treatment of urethral strictures (author's transl)] Bülow H, et al. **Urologe [Ausg A]** 1981 Sep;20 Suppl:328–32 (Eng. Abstr.) **(Ger)**
[Strictures of the urethra: operative treatment and results (author's transl)] Schoenenberger A, et al. **Urologe [Ausg A]** 1981 Sep;20(5):250–4 (Eng. Abstr.) **(Ger)**
[Visible urethrotomy with a sharp incision in the treatment of post-traumatic urethral strictures] Adamkiewicz K, et al. **Z Urol Nephrol** 1982 Mar;75(3):189–91 (Eng. Abstr.) **(Ger)**
[Surgical treatment of urethral stricture. 4th report: Sexual disturbances following surgical repair of membranous urethral stricture associated with pelvic fracture (author's transl)] Inoue T, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):979–85 (Eng. Abstr.) **(Jpn)**
[Internal urethrotomy with cold knife under direct vision] Freire GC, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct;36(5):198–201 (Eng. Abstr.) **(Por)**
[Multiple urethral strictures] Tarakanov VP. **Klin Khir** 1981 Dec;(12):26–8 (Eng. Abstr.) **(Rus)**
[On some problems in the modern surgery of the urethra (author's transl)] Novak R. **Lijec Vjesn** 1982 Jan; 104(1):19–20 **(Scr)**
[Therapeutic results of internal optic urethrotomy in strictures of the male urethra (author's transl)] Horňák M, et al. **Bratisl Lek Listy** 1982 Feb;77(2):192–6 (Eng. Abstr.) **(Slo)**

THERAPY

Management of urethral strictures in a rural hospital in Ghana. Stom JH. **Trop Doct** 1982 Jan;12(1):32–4
Endourologic techniques for the bladder and urethra. Schwartz BA, et al. **Urol Clin North Am** 1982 Feb; 9(1):165–7
Percutaneous transvesical antegrade passage of urethral strictures. Hare WS, et al. **Urol Radiol** 1981;3(2):107–12

URETHRITIS

Gonorrhoea and non gonococcal urethritis. The GP view. Wolfe C. **Aust Fam Physician** 1982 Mar;11(3):178–81
Nongonococcal urethritis. A clinical problem of the 80's. Bouis PJ Jr, et al. **J Fla Med Assoc** 1981 Dec;68(12):965–7 (10 ref.)
[Urethritis in males. Comparison of some social and sexual conditions in males with gonorrhea and non-gonococcal urethritis] Andersen BL. **Ugeskr Laeger** 1981 Oct 19; 143(43):2845–7 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Gonorrhoea and non gonococcal urethritis in the male. The specialist view. Young PS. **Aust Fam Physician** 1982 Mar; 11(3):182–3, 186–7
Some factors affecting the incubation period and duration of symptoms of urethritis in men. Schofield CB. **Br J Vener Dis** 1982 Jun;58(3):184–7
Application of a Limulus test device in rapid evaluation of gonococcal and nongonococcal urethritis in males. Prior RB, et al. **J Clin Microbiol** 1981 Sep;14(3):256–60
Rapid presumptive diagnosis of gonococcal urethritis in males: evaluation of a prototype limulus lysate test kit. Nachum R, et al. **Med Lab Sci** 1982 Jan;39(1):83–5
[Prostato-urethritis due to chlamydia] Grossgebauer K, et al. **Z Hautkr** 1982 Jun 1;57(11):790–802 (Eng. Abstr.) **(Ger)**
[Anterior urethritis: diagnosis and treatment (letter)] Hofmann N. **Z Hautkr** 1982 May 15;57(10):705 **(Ger)**
[Gonococcal and non-gonococcal urethritis (author's transl)] **Nippon Hinyokika Gakkai Zasshi** 1982 Jan;73(1):18–23 **(Jpn)**
[Prostatitis and urethritis (author's transl)] Nishimura T, et al. **Nippon Ika Daigaku Zasshi** 1981 Dec;48(6):841–3 **(Jpn)**
[Dilemmas and difficulties in the etiological diagnosis of the nonspecific urethritis in practice (author's transl)] Bitoljanu V, et al. **God Zb Med Fak Skopje** 1979 Jan;25:373–9 (Eng. Abstr.) **(Mac)**
[Non-gonorrheal urethritis among male patients of the District Dermatological Clinic in Szczecin] Lambert M. **Przegl Dermatol** 1981 May–Jun;68(3):371–7 (Eng. Abstr.) **(Pol)**
[Nongonococcal urethritis and other diseases transmitted by sexual contact] Radojčić V. **Srp Arh Celok Lek** 1982 Nov; 109(11):1554–7 **(Scc)**
[The urethral syndrome--diagnostic procedures (author's transl)] Bolonja A, et al. **Lijec Vjesn** 1980 Jul–Aug; 102(7–8):392–4 (Eng. Abstr.) **(Scr)**
[Present-day possibilities of aetiological diagnosis of urethritis using microbiological testing methods and its significance for specific pharmacotherapy and relapse and reinfection prevention (author's transl)] Farkaš J. **Cesk Dermatol** 1981 Jun;56(3):183–7 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Efficacy of treatment regimens for lower urogenital Chlamydia trachomatis infection in women. Bowie WR, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):125–9
Comparative efficacy of piperacillin and penicillin G in treatment of gonococcal urethritis. Landis SJ, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):693–5
Rosaramicin and tetracycline in the treatment of non-gonococcal urethritis. A comparison of clinical and microbiological results. Darne JF, et al. **Br J Vener Dis** 1982 Apr;58(2):117–20
Clinical and microbiological study of non-gonococcal urethritis with particular reference to non-chlamydial disease. Munday PE, et al. **Br J Vener Dis** 1981 Oct; 57(5):327–33
Gonococcal infections: new methods of treatment. Lutz B. **Compr Ther** 1982 Jun;8(6):47–52
Doxycycline in non-specific urethritis [letter] Gollow MM, et al. **Med J Aust** 1981 Dec 12–26;2(12–13):644–5
Single-dose oral ampicillin in the treatment of gonococcal urethritis in males. Bakar R, et al. **Med J Malaysia** 1981 Dec;36(4):202–4
Tetracycline and minocycline in the management of non-gonococcal urethritis: a comparison. Turnbull BC, et al. **NZ Med J** 1982 Jul 14;95(711):460–2
Single-dose treatment of uncomplicated gonococcal urethritis: a comparison of cefonicid and penicillin. Duncan WC, et al. **Sex Transm Dis** 1982 Apr–Jun;9(2):93–5
Use of oral metronidazole HCl (Flagyl) for posturethritis syndrome. Toth A. **Urology** 1982 Mar;19(3):256–8
[Studies on the aetiology of non-gonococcal urethritis (author's transl)] Weidner W, et al. **Dtsch Med Wochenschr** 1982 Aug 20;107(33):1227–31 (Eng. Abstr.) **(Ger)**
[Effectiveness of the bicillin-3 single-application treatment method in gonorrheal urethritis in men] Skuratovich AA, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):67–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Chronic cystitis and urethritis associated with ureaplasmal and mycoplasmal infection in primary hypogammaglobulinaemia. Webster AD, et al. **Br J Urol** 1982 Jun;54(3):287–91
Post-gonococcal cervicitis and post-gonococcal urethritis. A study of their epidemiological correlation and the role of Chlamydia trachomatis in their aetiology. Arya OP, et al. **Br J Vener Dis** 1981 Dec;57(6):395–9
Non-gonococcal urethritis in males--a preliminary study. Bhujwala RA, et al. **Indian J Med Res** 1982 Apr;75:485–8
Diagnosis and treatment of chlamydial venereal disease. Thelin I. **Infection** 1982;10 Suppl 1:S53–6
Another aspect of nonspecific urethritis. Cass AS. **J Urol** 1982 Apr;127(4):780
Genital and neonatal chlamydial infection in a trachoma endemic area. Mabey DC, et al. **Lancet** 1982 Aug 7; 2(8293):300–1
Schistosoma urethritis: pseudo-gonorrhoeal disease in Northern Nigeria. Bello CS, et al. **Trop Doct** 1982 Jul; 12(3):141–2
[Mycoplasmas and Chlamydias pathogeny (author's transl)] Bonissol C. **J Urol (Paris)** 1982;88(4):231–7 (Eng. Abstr.) **(Fre)**
[Urethro-prostatitis caused by Trichomonas vaginalis] Sefer M. **Rev Ig [Bacteriol]** 1981 Oct–Dec;26(4):243–6 **(Rum)**

IMMUNOLOGY

Cellular immune response during uncomplicated genital infection with Chlamydia trachomatis in humans. Brunham RC, et al. **Infect Immun** 1981 Oct;34(1):98–104

MICROBIOLOGY

Isolation of Chlamydia trachomatis from the urethra and from prostatic fluid in men with signs and symptoms of acute urethritis. Nilsson S, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):456–9
Quantitative study of Chlamydia trachomatis in genital infection. Mallinson H, et al. **Br J Vener Dis** 1982 Feb; 58(1):36–9
Impact of neonatal intensive care [letter] Fontaine EA, et al. **Lancet** 1982 Jan 30;1(8266):281
Pattern of urethritis in males in a Kuala Lumpur STD (sexually transmitted diseases) clinic. Lim VK, et al. **Med J Malaysia** 1981 Dec;36(4):199–201
Chlamydial infections in Italy. Cevenini R, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):349–52
[Chlamydia as a cause of bacterial urethritis] Paavonen J, et al. **Duodecim** 1981;97(8):511–5 (Eng. Abstr.) **(Fin)**
[Studies on the aetiology of non-gonococcal urethritis (author's transl)] Weidner W, et al. **Dtsch Med Wochenschr** 1982 Aug 20;107(33):1227–31 (Eng. Abstr.) **(Ger)**
[Characteristics of Ureaplasma urealyticum strains isolated from patients with inflammation of the urogenital tract] Zgórniak-Nowosielska I, et al. **Med Dosw Mikrobiol** 1980; 32(4):285–93 (Eng. Abstr.) **(Pol)**
[Urogenital Chlamydia infections (halprowiosis). Atypical forms of the bacteria and their possible role in the etiology of infection] Popov VL, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):26–8 (Eng. Abstr.) **(Rus)**
[Isolation of mycoplasmas in nonspecific urethritis in a military camp] Vučković I. **Vojnosanit Pregl** 1982 May–Jun;39(3):168–72 **(Scr)**

OCCURRENCE

The epidemiology and aetiology of urethritis in Swaziland [letter] Burney P. **Int J Epidemiol** 1981 Sep;10(3):295–6

PATHOLOGY

[The effects of some types of urethritis on the cytology of the fossa navicularis of the human masculine urethra (author's transl)] Fabre J, et al. **Arch Anat Cytol Pathol** 1981;29(4):233–8 (Eng. Abstr.) **(Fre)**
[Changes in urethral and bladder mucosa in a urethral syndrome] Permiakov AN, et al. **Arkh Patol** 1982; 44(2):42–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Changes in fertility in men with urethritis and prostatitis of different etiology] Iunda IF, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):53–8 **(Rus)**
[Effect of inflammatory genital diseases on male fertility] Israilov SR. **Vrach Delo** 1981 Jul;(7):89–91 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Post-gonococcal cervicitis and post-gonococcal urethritis [letter] Balsdon MJ, et al. **Br J Vener Dis** 1982 Aug; 58(4):275

URINE

Urinary abnormalities in non gonococcal urethritis. Munday PE, et al. **Br J Vener Dis** 1981 Dec;57(6):387–90

URIC ACID

The effect of lead upon urate nucleation. Tak HK, et al. **Arthritis Rheum** 1981 Oct;24(10):1291–5
Evaluation of the activity of anti-inflammatory agents by means of skin tests (M.S.U., SK–SD): comparison with clinical results. Ferraccioli GF, et al. **Eur J Rheumatol Inflamm** 1981;4(1):49–52
Rheumatoid factor and monosodium urate crystal-neutrophil interactions in gouty inflammation. Turner RA, et al.

Inflammation 1981 Dec;5(4):353–61

The importance of Magurlit in the prevention and dissolution of uric acid stones. Balogh F, et al. **Ther Hung** 1980; 28(1):28–31

Studies on the morphology of human uric acid stones. Kleeberg J, et al. **Urol Res** 1981;9(6):259–61

[Uric lithiasis. Further experience with the kinetics of dissolution] Tizzani A, et al. **Minerva Urol** 1981 Oct–Dec; 33(4):211–6 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Urate-oxidase prophylaxis of uric acid-induced renal damage in childhood leukemia. Masera G, et al. **J Pediatr** 1982 Jan;100(1):152–5

ANALOGS & DERIVATIVES

An automated HPLC assay for simultaneous quantitation of methylated xanthines and uric acids in urine. Tang-Liu DD, et al. **J Chromatogr Sci** 1982 Apr;20(4):155–9

ANALYSIS

Aspiration of the asymptomatic metatarsophalangeal joint in gout patients and hyperuricemic controls. Rouault T, et al. **Arthritis Rheum** 1982 Feb;25(2):209–12

Effects of two diphosphonates (EHDP and Cl2MDP) on serum uric acid in pagetic patients. Arlot ME, et al. **Calcif Tissue Int** 1981;33(3):195–8

The application of a sensitive uricase-peroxidase couple reaction to a centrifugal fast analyser for the determination of uric acid. Artiss JD, et al. **Clin Chim Acta** 1981 Nov 11;116(3):301–9

Screening procedure for uric acid as indicator of infestation in spices. Brown SM, et al. **J Assoc Off Anal Chem** 1982 Mar;65(2):270–2

[Concentration of creatinin, acidum uricum and urea in amniotic fluid is an indicator of gestational age (author's transl)] Todorovski C, et al. **God Zb Med Fak Skopje** 1979 Jan;25:219–26 (Eng. Abstr.) **(Mac)**

BIOSYNTHESIS

Simultaneous stimulation of uric acid synthesis and gluconeogenesis in chicken hepatocytes by alpha-adrenergic action of epinephrine and calcium. Fister P, et al. **FEBS Lett** 1982 Mar 8;139(1):27–31

BLOOD

The influence of dietary molybdenum and copper supplementation on the contents of serum uric acid and some trace elements in cocks. Karring M, et al. **Acta Vet Scand** 1981;22(3–4):289–95

Hyperuricemia and gout: an update. Khachadurian AK. **Am Fam Physician** 1981 Dec;24(6):143–8

Hypouricemia--a transient biochemical phenomenon of total parenteral nutrition. Koretz RL. **Am J Clin Nutr** 1981 Nov; 34(11):2493–8

Uric acid in the etiology of psoriasis. Goldman M. **Am J Dermatopathol** 1981 Winter;3(4):397–404

Hyperuricemia in diarrheal dehydration. Adler R, et al. **Am J Dis Child** 1982 Mar;136(3):211–3

Hyperuricemia in acute illness: a poor prognostic sign. Woolliscroft JO, et al. **Am J Med** 1982 Jan;72(1):58–62

Uricase immobilized onto nylon tube for use in automated analysis of serum urate. Salleh AB, et al. **Anal Biochem** 1981 Sep 1;116(1):40–7

Effect of drinking on correlations between biochemical variables. Whitfield JB, et al. **Ann Clin Biochem** 1981 May; 18(Pt 3):143–5

A long-term study of the absorption of large oral doses of folic acid. Zettner A, et al. **Ann Clin Lab Sci** 1981 Nov–Dec;11(6):516–24

Serum uric acid levels among thirty-four thousand people in Japan. Akizuki S. **Ann Rheum Dis** 1982 Jun;41(3):272–4

Frequency of chondrocalcinosis of the knees in asymptomatic hyperuricaemia and rheumatoid arthritis: a controlled study. Hollingworth P, et al. **Ann Rheum Dis** 1982 Aug; 41(4):344–6

Serum uric acid as a prognostic indicator in Reye's syndrome? [letter] Bhuvaneswaran C, et al. **Biochem Med** 1980 Dec;24(3):361–3

Birth order and uric concentrations. Raina MK, et al. **Biol Psychol** 1980 Nov–Dec;11(3–4):257–9

A candidate reference method for uric acid in serum. II. Interlaboratory testing. Duncan P, et al. **Clin Chem** 1982 Feb;28(2):291–3

A candidate reference method for uric acid in serum. I. Optimization and evaluation. Duncan PH, et al. **Clin Chem** 1982 Feb;28(2):284–90

Xanthine oxidase in serum of viral hepatitis patients may interfere in urate determination by endpoint measurement with xanthine in the reagent mixture [letter] Harff GA, et al. **Clin Chem** 1981 Oct;27(10):1771

Uric acid determinations: reversed-phase liquid chromatography with ultraviolet detection compared with kinetic and equilibrium adaptations of the uricase method. Ingebretsen OC, et al. **Clin Chem** 1982 Mar;28(3):496–8

Critical evaluation of serum uric acid levels in acute myocardial infarction. Chapelle JP, et al. **Clin Chim Acta** 1982 May 20;121(2):147–57

Renal hypouricaemia in insulin treated diabetes mellitus. Gotfredsen A, et al. **Clin Chim Acta** 1982 Apr 23; 120(3):355–61

Spectrophotometric determination of serum uric acid by an enzymatic method with 2,2'-azino-di(3-ethylbenzthiazoline-6-sulfonate) (ABTS). Majkić-Singh N, et al. **Clin Chim Acta** 1981 Oct 8; 116(1):117–23

Psoriasis and normouricemic gout. Lundquist CD, et al. **Dermatologica** 1982 Feb;164(2):104–8

The effect of acute guaifenesin administration on serum uric acid. Matheson CE, et al. **Drug Intell Clin Pharm** 1982 Apr;16(4):332–4

The Clinical Lipid Research Clinic Family Study: familial determinants of plasma uric acid. Rao DC, et al. **Hum Genet** 1982;60(3):257–61

The relationship of serum uric acid to hypertension and ischemic heart disease in Hisayama population, Japan. Okada M, et al. **J Chronic Dis** 1982;35(3):173–8

The likelihood quotient line, a tool for the assessment of diagnostic validity of clinical chemical tests. Keller H, et al. **J Clin Chem Clin Biochem** 1981 Dec;19(12):1211–2

Serum urate concentrations in homozygous sickle cell disease. De Ceulaer K, et al. **J Clin Pathol** 1981 Sep;34(9):965–9

Hyperuricemia and gout. Sloan RW. **J Fam Pract** 1982 May; 14(5):923–6, 930–1, 934 (29 ref.)

Biochemical variability in a tem sports situation. Biersner RJ, et al. **J Human Stress** 1981 Sep;7(3):12–7

Benzbromarone therapy in hyperuricaemia; comparison with allopurinol and probenecid. Schepers GW. **J Int Med Res** 1981;9(6):511–5

Reduction of plasma urate levels in the cockerel with polyethylene glycol-uricase. Abuchowski A, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):352–4

Adjuvant polyarthritis. VI. Effect of oxonate-induced hyperuricemia on the development of acute inflammation, immune response and adjuvant arthritis. Chang YH, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):731–4

Persistent hypouricemic effect of longterm diflunisal administration. van Loenhout JW, et al. **J Rheumatol** 1981 Jul–Aug;8(4):639–42

Management of asymptomatic hyperuricemia. Duffy WB, et al. **JAMA** 1981 Nov 13;246(19):2215–6

Genetic heterogeneity of familial hypouricemia due to isolated renal tubular defect. Suzuki T, et al. **Jinrui Idengaku Zasshi** 1981 Sep;26(3):243–8

Serum uric acid as a risk factor for stroke in a fishing village of rural southern Japan. Takagi M. **Jpn Circ J** 1982 Feb; 46(2):131–6

Hyperuricemic effects of cholinergic agents in rats. Iwaki K, et al. **Jpn J Pharmacol** 1982 Apr;32(2):343–9

Catecholamine-induced hyperuricemia in eviscerated rats with functional hepatectomy. Yonetani Y, et al. **Jpn J Pharmacol** 1981 Jun;31(3):323–32

Uric acid and diabetes: observations in a population study. Herman JB, et al. **Lancet** 1982 Jul 31;2(8292):240–3

An X-linked syndrome characterised by hyperuricaemia, deafness, and neurodevelopmental abnormalities. Simmonds HA, et al. **Lancet** 1982 Jul 10;2(8289):68–70

Hyperuricemia. Colton RS. **Minn Med** 1982 Jul;65(7):432–3

Renal handling of urate in patients with calcium stone disease. Fellström B, et al. **Nephron** 1982;31(1):31–6

A case of familial renal hypouricemia associated with increased secretion of para-aminohippurate and idiopathic edema. Matsuda O, et al. **Nephron** 1982;30(2):178–86

Hypouricemia due to renal urate wasting. Two types of tubular transport defect. Tofuku Y, et al. **Nephron** 1982; 30(1):39–44

Renal pathogenesis of familial hyperuricemia: studies in two kindreds. Stapleton FB, et al. **Pediatr Res** 1981 Nov; 15(11):1447–53

The relationship of serum uric acid to subclinical blood lead. Baker MD, et al. **Rheumatol Rehabil** 1981 Nov;20(4):208–10

Epidemiology of Rheumatic disorders in the Pacific with particular emphasis on hyperuricaemia and gout. Prior L. **Semin Arthritis Rheum** 1981 Aug;11(1):213–29

Serum uric acid concentrations and arthralgia among patients treated with pyrazinamide-containing regimens in Hong Kong and Singapore. Jenner PJ, et al. **Tubercle** 1981 Sep; 62(3):175–9

Acute urate nephropathy induced by Ticrynafen and exacerbated by urographic contrast medium. Karasick S, et al. **Urol Radiol** 1981;3(1):51–3

[Principles of treatment of gout and hyperuricemia] Schorn D. **S Afr Med J** 1982 Jan 9;61(2):37–9 (Eng. Abstr.) **(Afr)**

[Blood uric acid and coronary disease. Direct role or statistical relation to lipid disorders] Bartolin R, et al. **Arch Mal Coeur** 1981 Nov;74(11):1307–13 (Eng. Abstr.) **(Fre)**

[Hypoxia, uricemia and arachidonic acid metabolism] Deby C, et al. **Bull Mem Acad R Med Belg** 1981;136(4):226–36 (Eng. Abstr.) **(Fre)**

[Hypouricaemia in the syndrome of inappropriate ADH secretion (SIADH) (author's transl)] Ducobu J, et al. **Nouv Presse Med** 1982 Mar 13;11(12):915–6 (Eng. Abstr.) **(Fre)**

[Hypertension and hyperuricemia: how are they related?] Godin M. **Nouv Presse Med** 1982 Feb 27;11(9):643–5 **(Fre)**

[Diuretics and uric acid (author's transl)] Ben Maiz H, et al. **Sem Hop Paris** 1981 Dec 18–25;57(47–48):1987–91 (Eng. Abstr.) **(Fre)**

[Management of hypo-uricemia (author's transl)] Dellas JA, et al. **Sem Hop Paris** 1981 Oct 8–15;57(37–38):1557–60 (Eng. Abstr.) **(Fre)**

[Hyperuricemia during treatment with diuretics] Kheder A, et al. **Tunis Med** 1981 Sep–Oct;59(5):351–3 (Eng. Abstr.) **(Fre)**

[Significance of uric acid concentration in the serum for the early recognition of the risk of EPH gestosis] Riedel H. **Fortschr Med** 1981 Oct 1;99(37):1505–10 (Eng. Abstr.) **(Ger)**

[Life-threatening hyperuricemia during cytostatic leukemia therapy] Schwenk HU, et al. **Fortschr Med** 1982 Mar 18; 100(11):454–8 (Eng. Abstr.) **(Ger)**

[The value of a single determination of serum uric acid concentration in the early diagnosis of hypertensive disorders in pregnancy (author's transl)] Oney T, et al. **Geburtshilfe Frauenheilkd** 1982 Jun;42(6):440–3 (Eng. Abstr.) **(Ger)**

[Asymptomatic hyperuricaemia: to treat or not to treat? (author's transl)] Gerber NJ. **Praxis** 1981 Nov 17; 70(47):2111–6 **(Ger)**

[Elevated serum uric acid in a normal population and in patients (author's transl)] Hägeli S, et al. **Praxis** 1981 Nov 17;70(47):2124–8 (Eng. Abstr.) **(Ger)**

[The serum uric acid level in the Viennese population (author's transl)] Müller M, et al. **Wien Klin Wochenschr** 1981 Aug 7;93(15):492–500 (Eng. Abstr.) **(Ger)**

[Comparative biochemical studies in asymptomatic hyperuricemia and manifest gout with special reference to renal change] Beenken O, et al. **Z Gesamte Inn Med** 1981 May 1;36(9):294–8 (Eng. Abstr.) **(Ger)**

[The effect of diets with defined nucleic acid and purine content on the blood-level of uric acid in Dalmation dogs] Gaebler S, et al. **Zentralbl Veterinarmed [A]** 1981; 28(6):494–503 (Eng. Abstr.) **(Ger)**

[Uric acid load test. Proof of its value using the sequential probability ratio test] Dewes W, et al. **ZFA (Stuttgart)** 1982 Feb 28;58(6):351–6 **(Ger)**

[The effect on uric acid and other laboratory parameters. A long-term study] Dorn M. **ZFA (Stuttgart)** 1982 Feb 20;58(5):296–300 **(Ger)**

[Hemolytic uremic syndrome with extreme hyperuricemia] Goldberg A, et al. **Harefuah** 1981 Dec 1;101(11):307–9 (Eng. Abstr.) **(Heb)**

[Changes in the blood uric acid level in hypertensive gestosis] Borrelli AL, et al. **Arch Ostet Ginecol** 1980 May–Jun; 85(3):103–8 **(Ita)**

[Inhibition of fructose-induced hyperuricacidemia by pretreatment with phosphates] Morozzi G, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):491–6 (Eng. Abstr.) **(Ita)**

[Pathogenesis and therapy of nitrogen catabolism disorders: hyperazotemia versus hyperammonemia versus hyperuricemia] Lattanzi A. **Clin Ter** 1981 Jun 15; 97(5):441–65 (33 ref.) (Eng. Abstr.) **(Ita)**

[Variations of uricemia in chronic alcoholism] Bottoni A, et al. **G Clin Med** 1982 Jan;63(1):51–6 **(Ita)**

[The Brisighella study. II. Metabolic risk factors] Descovich GC, et al. **G Ital Cardiol** 1982;11(11):1591–603 (20 ref.) (Eng. Abstr.) **(Ita)**

[Urate-oxidase: a new therapy of cytotoxic-drug-induced hyperuricemia (author's transl)] Vigo P, et al. **Haematologica (Pavia)** 1981 Oct;66(5):656–66 (Eng. Abstr.) **(Ita)**

[The effect of vitamin E on the serum lipid-peroxide and uric acid in the hemorrhagic shock rabbit (author's transl)] Adachi H, et al. **Masui** 1982 Apr;31(4):360–3 (Eng. Abstr.) **(Jpn)**

[A population study on hyperuricaemia by multivariate analysis - analysis of factors concerning hyperuricaemia by the linear discriminant function test (author's transl)] Akizuki S. **Ryumachi** 1981 May;21(3):173–84 (Eng. Abstr.) **(Jpn)**

[Changes in blood biochemical indices caused by ascorbic acid] Aleksandrovskaia TN, et al. **Lab Delo** 1981;(6):346–9 (Eng. Abstr.) **(Rus)**

[Tienilic acid in the treatment of hyperuricemia syndrome (author's transl)] Daněková H, et al. **Bratisl Lek Listy** 1981 Dec;76(6):673–82 (Eng. Abstr.) **(Slo)**

[Advances in the treatment of gout and hyperuricemia] Rapado A. **Rev Clin Esp** 1981 May 31;161(4):269–73 **(Spa)**

[Comparative study of the hypouricemic effects of calcitonin and sulfinpyrazone] Rico Lenza H, et al. **Rev Clin Esp** 1982 Feb 28;164(4):249–52 (Eng. Abstr.) **(Spa)**

[Diagnosis and therapy of gout and hyperuricemia] Guzmán L. **Rev Med Chil** 1981 Dec;109(12):1191–7 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Cerebrospinal fluid investigations in multi-infarct dementia and senile dementia. Wikkelsø C, et al. **Acta Neurol Scand** 1981 Jul;64(1):1–11

Dystonia musculorum deformans with hyperuricaemia - study of a family. Mehta BC, et al. **Clin Neurol Neurosurg** 1982;84(1):29–36

METABOLISM

Caecal decomposition of uric acid in captive and free ranging willow ptarmigan (Lagopus lagopus lagopus). Mortensen A, et al. **Acta Physiol Scand** 1981 Feb;111(2):129–33

Mechanism of intervention of uric acid metabolism in PG biosynthesis. Deby C, et al. **Agents Actions** 1981 Dec; 11(6-7):651-2

Effects of prolonged, purine-free total parenteral and enteral nutrition on urate homeostasis in man. Morichau-Beauchant M, et al. **Am J Clin Nutr** 1982 May; 35(5):997-1002

Urate uptake in membrane vesicles of rat renal cortex: effect of copper. Abramson RG, et al. **Am J Physiol** 1982 Feb; 242(2):F158-70

Uptake of [3H]PAH and [14C]urate into isolated proximal tubular segments of the pig kidney. Schäli C, et al. **Am J Physiol** 1981 Dec;241(6):F591-6

Nature of urate transport in isolated rabbit proximal tubules. Shimomura A, et al. **Am J Physiol** 1981 Nov; 241(5):F565-78

Kinetic constants for urate transport [letter] Weiner IM, et al. **Am J Physiol** 1982 Jan;242(1):F100-1

Anaerobic degradation of uric acid via pyrimidine derivatives by selenium-starved cells of Clostridium purinolyticum. Dürre P, et al. **Arch Microbiol** 1982 May;131(3):255-60

Plasterer's tophi [letter] Kraines JL, et al. **Arthritis Rheum** 1982 Apr;25(4):472-3

Effect of glutaurine (gamma-L-glutamyl-taurine) on serum, hepatic, and renal uric acid levels. Feuer L, et al. **Biochem Med** 1981 Dec;26(3):326-9

Uric acid metabolism of children who undergo cardiopulmonary bypass. Hamilton RM, et al. **Can J Surg** 1982 Mar;25(2):131-2

Influence of propranolol upon serum and urinary uric acid in diabetic patients. Fekete T, et al. **Horm Metab Res** 1982 Apr;14(4):220-1

The effect of prednisone and azathioprine (Imuran) on renal excretion of uric acid. Malý J, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Jan;20(1):44-6

Enhanced renal clearance of uric acid in hepatic cirrhosis. Higuchi T, et al. **Isr J Med Sci** 1981 Nov;17(11):1015-8

In vitro studies on the formation of uric acid staghorn calculi. Kleeberg J, et al. **Isr J Med Sci** 1982 Jun;18(6):731-2

Abnormality in renal urate handling in the syndrome of inappropriate secretion of antidiuretic hormone. Weinberger A, et al. **Isr J Med Sci** 1982 Jun;18(6):711-3

Surgical management of tophaceous gout: a literature review and case report. Martin SM, et al. **J Am Podiatry Assoc** 1982 Apr;72(4):195-9

Urate nephrolithiasis in ranch mink. Tomlinson MJ, et al. **J Am Vet Med Assoc** 1982 Mar 15;180(6):622-6

Uric acid, gout and the kidney. Cameron JS, et al. **J Clin Pathol** 1981 Nov;34(11):1245-54

Degradation of perfused adenine compounds up to uric acid in isolated rat heart. Ronca-Testoni S, et al. **J Mol Cell Cardiol** 1982 Mar;14(3):177-80

Effects of azaserine treatment on plasma glutamine concentration and uric acid production in chickens fed low and high protein diets. Karasawa Y, et al. **J Nutr** 1982 Sep;112(9):1733-40

Uric acid crystal-induced nephropathy: evidence for a specific renal lesion in a gouty family. Farebrother DA, et al. **J Pathol** 1981 Oct;135(2):159-68

Comparative accumulation of uric acid and hypoxanthine by slices of avian renal cortex. Cacini W. **J Pharmacol Exp Ther** 1982 Jan;220(1):86-90

Competitive action of contrast media on the uric acid-albumin binding. Boldrini E, et al. **J Pharmacol Methods** 1982 Jan;7(1):1-6

Effects of bendroflumethiazide on urate metabolism during treatment of patients with renal stones. Ljunghall S, et al. **J Urol** 1982 Jun;127(6):1207-10

Uric acid formation in the dog lung. Fawaz G, et al. **Mol Cell Biochem** 1982 Mar 19;43(2):111-2

Urate deposits in the renal medulla. Prevalence and associations. Linnane JW, et al. **Nephron** 1981; 29(5-6):216-22

Ontogeny of renal uric acid excretion in the mongrel puppy. Stapleton FB, et al. **Pediatr Res** 1981 Dec;15(12):1513-6

Uric acid provides an antioxidant defense in humans against oxidant- and radical-caused aging and cancer: a hypothesis. Ames BN, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):6858-62

The transport of urate in frog gastric mucosa. Sansom SC, et al. **Proc Soc Exp Biol Med** 1982 Jul;170(3):363-6

Urate metabolism in primary hyperparathyroidism. Ljunghall S, et al. **Urol Int** 1982;37(2):73-8

[Uric acid nephropathy---report of 20 cases (author's transl)] Liu P. **Chung Hua Nei Ko Tsa Chih** 1981 Apr;20(4):221-4 **(Chi)**

[Uricemia and uric acid quantities in urine under unbalanced diet (author's transl)] Ruiz-Torres A, et al. **Aktule Gerontol** 1981 Jul;11(4):129-31 (Eng. Abstr.) **(Ger)**

[Studies on uric acid disorders in patients with urinary calculi (author's transl)] Morimoto S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):271-7 (Eng. Abstr.) **(Jpn)**

[Uric acid metabolism in patients with liver disease (author's transl)] Higuchi T, et al. **Ryumachi** 1980 Nov;20(5):344-9 (Eng. Abstr.) **(Jpn)**

[Evaluation of urate homeostasis in chronic glomerulonephritis] Burian AE. **Klin Med (Mosk)** 1980 Jul; 58(7):100-4 **(Rus)**

[Acute, massive urate crystal deposition into the subcutaneous tissues of patients with gout (author's transl)] Klarica J. **Lijec Vjesn** 1981 Sep;103(9):384-6 (Eng. Abstr.) **(Scr)**

[Renal physiopathology of uric acid. Pharmacologic study] Muñoz Sanz A, et al. **Med Clin (Barc)** 1982 Jan 25; 78(2):70-4 **(Spa)**

[Effect of salmon calcitonin on urinary excretion in patients with chronic renal insufficiency (author's transl)] Rico H, et al. **Med Clin (Barc)** 1981 Nov 25;77(9):389-92 (Eng. Abstr.) **(Spa)**

[Uric acid and arterial hypertension] Rapado A. **Rev Clin Esp** 1981 Dec 31;163(6):363-8 (85 ref.) **(Spa)**

PHARMACODYNAMICS

Superoxide anion generation by human neutrophils exposed to monosodium urate. Abramson S, et al. **Arthritis Rheum** 1982 Feb;25(2):174-80

The role of cell surface proteins in platelet stimulation by monosodium urate crystals. Jaques BC, et al. **Arthritis Rheum** 1982 May;25(5):508-21

Stimulation of the respiratory burst in human neutrophils by crystal phagocytosis. Simchowitz L, et al. **Arthritis Rheum** 1982 Feb;25(2):181-8

In vitro and in vivo arachidonic acid conversions into biologically active derivatives are enhanced by uric acid. Deby C, et al. **Biochem Pharmacol** 1981 Aug 15; 30(16):2243-9

Increased level of translatable collagenase messenger ribonucleic acid in rabbit synovial fibroblasts treated with phorbol myristate acetate or crystals of monosodium urate monohydrate. Brinckerhoff CE, et al. **Biochemistry** 1982 May 25;21(11):2674-9

Inhibitory activity of human urine on calcium oxalate crystal growth: effects of sodium urate and uric acid. Fellström B, et al. **Clin Sci** 1982 May;62(5):509-14

Urate does not influence the formation of calcium oxalate crystals in whole human urine at pH 5.3. Hallson PC, et al. **Clin Sci** 1982 Apr;62(4):421-5

Nucleation kinetics in the calcium oxalate-sodium urate monohydrate system. Meyer JL. **Invest Urol** 1981 Nov; 19(3):197-201

Spin label reduction kinetics, a procedure to study the effect of drugs on membrane permeability: the effects of monosodium urate, dimethyl sulfoxide and amphotericin B. Aracava Y, et al. **J Biochem Biophys Methods** 1981 Aug; 5(2):83-94

Interactions of murine macrophages with monosodium urate crystals: stimulation of lysosomal enzyme release and prostaglandin synthesis. McMillan RM, et al. **J Rheumatol** 1981 Jul-Aug;8(4):555-62

The effect of soluble sodium urate on the proliferation and proteoglycan synthesis of lapine articular chondrocytes in monolayer culture. Kirkpatrick CJ, et al. **Rheumatol Int** 1981;1(3):131-3

TOXICITY

Stimulation of secretion of collagenase and prostaglandin E2 by synovial fibroblasts in response to crystals of monosodium urate monohydrate: a model for joint destruction in gout. Hasselbacher P, et al. **Trans Assoc Am Physicians** 1981;94:243-52

URINE

Renal handling of uric acid in man. Levinson DJ, et al. **Ann Clin Lab Sci** 1982 Jan-Feb;12(1):73-7

Quantitation of urinary uric acid by reversed-phase liquid chromatography. Hausen A, et al. **Clin Chem** 1981 Aug; 27(8):1455-6

Parathyroid hormone, cAMP, electrolytes and uric acid after high dose CaCl2 in patients with idiopathic stone formation. Dunzendorfer U, et al. **Endokrinologie** 1981 Mar; 77(3):353-9

Simultaneous determination of allopurinol, oxipurinol and uric acid in human plasma by high-performance liquid chromatography. Nissen P. **J Chromatogr** 1982 Mar 12; 228:382-6

Evaluation of the Technicon bound uricase method for the determination of uric acid in urine. Thomasson CG, et al. **J Clin Chem Clin Biochem** 1982 May;20(5):299-303

Urinary excretion of urate in renal calcium stone disease and in renal tubular acidification disturbances. Fellström B, et al. **J Urol** 1982 Mar;127(3):589-92

Renal handling of urate in patients with calcium stone disease. Fellström B, et al. **Nephron** 1982;31(1):31-6

[Hyperuricosuria and urinary lithiasis in paraplegic patients (author's transl)] Minaire P, et al. **Sem Hop Paris** 1981 Sep 18-25;57(33-36):1409-12 (Eng. Abstr.) **(Fre)**

[Stress and risk of urolith formation. I. The influence of stress on lithogenous urinary substances (author's transl)] Brundig P, et al. **Urol Int** 1981;36(3):199-207 (Eng. Abstr.) **(Ger)**

[Urinary excretion of uric acid in patients with calcium nephrolithiasis] Surian M, et al. **Minerva Nefrol** 1981 Jan-Mar;28(1):93-6 (Eng. Abstr.) **(Ita)**

[A schedule for the detection of metabolic disorders in subjects with urolithiasis] Guigliani R, et al. **AMB** 1981 May;27(5):163-4 **(Por)**

URICASE see **URATE OXIDASE**

URICOSURIC AGENTS

ADVERSE EFFECTS

Hepatotoxicity associated with ticrynafen--a uricosuric diuretic. Manier JW, et al. **Am J Gastroenterol** 1982 Jun; 77(6):401-4

BLOOD

[Pharmacokinetic of psychopharmaca, sleeping agents, analgesics, antidiabetics, uric acid- and lipid lowering agents] Mertz DP. **Internist (Berlin)** 1981 Oct;22(10):636-41 **(Ger)**

CHEMICAL SYNTHESIS

(Acylaryloxy)acetic acid diuretics. 3. 2,3-Dihydro-5-acyl-2-benzofurancarboxylic acids, a new class of uricosuric diuretics. Hoffman WF, et al. **J Med Chem** 1981 Jul;24(7):865-73

(Acylaryloxy)acetic acid diuretics. 4. Indeno[5,4-b]furan-2-carboxylic acids. Woltersdorf OW Jr, et al. **J Med Chem** 1981 Jul;24(7):874-8

METABOLISM

Stereoselectivity in the disposition and metabolism of the uricosuric-diuretic agent, indacrinone, in Rhesus monkeys. Zacchei AG, et al. **Drug Metab Dispos** 1982 Jan-Feb; 10(1):20-7

PHARMACODYNAMICS

Enantiomers of indacrinone: a new approach to producing an isouricemic diuretic. Blaine EH, et al. **Clin Exp Hypertens [A]** 1982;4(1-2):161-76

[Renal physiopathology of uric acid. Pharmacologic study] Muñoz Sanz A, et al. **Med Clin (Barc)** 1982 Jan 25; 78(2):70-4 **(Spa)**

[Effect of salmon calcitonin on urinary excretion in patients with chronic renal insufficiency (author's transl)] Rico H, et al. **Med Clin (Barc)** 1981 Nov 25;77(9):389-92 (Eng. Abstr.) **(Spa)**

[Comparative study of the hypouricemic effects of calcitonin and sulfinpyrazone] Rico Lenza H, et al. **Rev Clin Esp** 1982 Feb 28;164(4):249-52 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Management of asymptomatic hyperuricemia. Duffy WB, et al. **JAMA** 1981 Nov 13;246(19):2215-6

[Asymptomatic hyperuricaemia: to treat or not to treat? (author's transl)] Gerber NJ. **Praxis** 1981 Nov 17; 70(47):2111-6 **(Ger)**

URIDINE

Pyrimidine ribonucleoside phosphorylase activity vs 5- and/or 6-substituted uracil and uridine analogues, including conformational aspects. Krajewska E, et al. **Biochem Pharmacol** 1982 Mar 15;31(6):1097-102

Fluorinated nucleic acid constituents: a carbon-13 nuclear magnetic resonance study of adenosine, cytidine, uridine, and their fluorinated analogues. Alderfer JL, et al. **Biochemistry** 1982 May 25;21(11):2738-45

Proton Nuclear magnetic resonance study on uridine imido proton exchange. Fritzsche H, et al. **Biochemistry** 1981 Oct 13;20(21):6118-22

Structure and conformation of pseudouridine analogues. Lipnick RL, et al. **Biochemistry** 1981 Dec 8;20(25):7319-27

Peroxidase-generated triplet indole-3-aldehyde adds to uridine bases and excites the 4-thiouridine group in t-RNAPhe. de Mello MP, et al. **Photochem Photobiol** 1982 Jul;36(1):21-4

Optical activity and electronic absorption spectra of some simple nucleosides related to cytidine and uridine: all-valence-shell molecular orbital calculations. Miles DW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7521-5

ANALOGS & DERIVATIVES

18F-5-Fluorouridine, a new probe for measuring the proliferation of tissue in vivo. Crawford EJ, et al. **Adv Enzyme Regul** 1982;20:3-22

Influence of pyrazofurin on the toxicity and antitumor activity of fluorinated pyrimidines in vivo. Johnson RK, et al. **Adv Enzyme Regul** 1980;19:309-33

Phase II study of 3-deazauridine in advanced colorectal adenocarcinoma. Bruno S, et al. **Am J Clin Oncol** 1982 Feb;5(1):69-71

Antiherpesviral and anticellular effects of 1-beta-D-arabinofuranosyl-E-5-(2-halogenovinyl) uracils. Machida H, et al. **Antimicrob Agents Chemother** 1981 Jul;20(1):47-52

Antiherpes activity of [E]-5-(1-propenyl)-2'-deoxyuridine and 5-(1-propenyl)-1-beta-D-arabinofuranosyluracil. Stening G, et al. **Antiviral Res** 1981 Nov;1(4):213-23

Regulation of rRNA synthesis and processing in animal cells. Effect of nucleoside analogues. Iapalucci-Espinoza S, et al. **Biochem J** 1982 Feb 15;202(2):325-32

Urinary excretion of purines, purine nucleosides, and pseudouridine in immunodeficient children. Mills GC, et al. **Biochem Med** 1982 Feb;27(1):37-45

Inhibitory effects of pseudouridinedicarboxaldehyde on tubulin metabolism. Lewis ML, et al.

Biochem Pharmacol 1982 Jan 15;31(2):273–6

Inhibitory effects of various 5–halogenated derivatives of 1–beta–D–arabinofuranosyluracil 5'–triphosphate on DNA poiymerases from murine cells and oncornavirus: substituent effects on inhibitory action. Ono K, et al. **Biochemistry** 1982 Mar 2;21(5):1019–24

Synthesis and molecular conformation of 2',3'–O–isopropylidene–5'–deoxy–6(R),5'–cyclo–5,6–dihyd Yamagata Y, et al. **Biochim Biophys Acta** 1981 Jul 27; 654(2):242–8

Biochemical effects of 2'–fluoro–5–methyl–1–beta–D–arabinofuranosyluracil and 2'–fluoro–5–iodo–1–beta–D–arabinofuranosylcytosine in mouse leukemic cells sensitive and resistant to 1–beta–D–arabinofuranosylcytosine. Chou TC, et al. **Cancer Res** 1982 Oct;42(10):3957–63

Modulation of 1–beta–D–arabinofuranosylcytosine metabolism and cytotoxicity in L1210 cells by fluoropyrimidine pretreatment. Grant S, et al. **Cancer Res** 1982 Sep;42(9):3550–6

Influence of tetrahydrouridine on the pharmacokinetics of intrathecally administered 1–beta–D–arabinofuranosylcytosine. Riccardi R, et al. **Cancer Res** 1982 May;42(5):1736–9

Phase I trial and pharmacokinetics of a daily x 5 schedule of 3–deazauridine. Creaven PJ, et al. **Cancer Treat Rep** 1982 Jan;66(1):81–4

Synthesis of 3–methylpseudouridine and 2'–deoxy–3–methyl–pseudouridine. Matsuda A, et al. **Carbohydr Res** 1982 Mar 1;100:297–302

Potent antiviral 2'–fluoro–arabinosyl pyrimidine nucleosides: lack of mutagenic activity. Marquardt H, et al. **Carcinogenesis** 1982;3(5):593–6

Structure of a modified nucleoside in archaebacterial tRNA which replaces ribosylthymine. 1–Methylpseudouridine. Pang H, et al. **J Biol Chem** 1982 Apr 10;257(7):3589–92

Reversed–phase ion–pair high–performance liquid chromatographic assay of 5–fluorouracil, 5'–deoxy–5–fluorouridine, their nucleosides, mono–, di–, and triphosphate nucleotides with a mixture of quaternary ammonium ions. Au JL, et al. **J Chromatogr** 1982 Mar 12; 228:245–56

Determination of cytarabine and uracil arabinoside in human plasma and cerebrospinal fluid by high–performance liquid chromatography. Breithaupt H, et al. **J Chromatogr** 1981 Sep 11;225(1):99–106

Synthesis and biological activity of certain derivatives of oxazinomycin and related oxadiazole nucleosides. Srivastava PC, et al. **J Med Chem** 1981 Oct;24(10):1172–7

Nucleosides. 114. 5'–O–Glucuronides of 5–fluorouridine and 5–fluorocytidine. Masked precursors of anticancer nucleosides. Watanabe KA, et al. **J Med Chem** 1981 Jul; 24(7):893–7

Association of cell lethality with incorporation of 5–fluorouracil and 5–fluorouridine into nuclear RNA in human colon carcinoma cells in culture. Glazer RI, et al. **Mol Pharmacol** 1982 Mar;21(2):468–73

Dihydrouridine–deficient tRNAs in Saccharomyces cerevisiae. Lo RY, et al. **Nucleic Acids Res** 1982 Feb 11; 10(3):889–902

Quantitative autoradiographic mapping of herpes simplex virus encephalitis with a radiolabeled antiviral drug. Saito Y, et al. **Science** 1982 Sep 17;217(4565):1151–3

[The simultaneous determination of Ara–U and Ara–C, urinary metabolites of N4–behenoyl–1–beta–D–arabinofuranosylcytosine by mass fragmentography (author's transl)] Makino Y, et al. **Yakugaku Zasshi** 1982 Jan;102(1):49–55 (Eng. Abstr.) **(Jpn)**

BLOOD

Radioimmunoassays of plasma thymidine, uridine, deoxyuridine, and cytidine/deoxycytidine. Dudman NP, et al. **Anal Biochem** 1981 Aug;115(2):428–37

Effect of inhibitors of the de novo pyrimidine biosynthetic pathway on serum uridine levels in mice. Karle JM, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4952–5

METABOLISM

Inhibition of uridine transport through sarcoma–180 cell membrane by anthracycline antibiotics. Choudhury SR, et al. **Biochem Pharmacol** 1982 May 1;31(9):1811–4

Uridine transport in concanavalin A– and lipopolysaccharide–activated mouse lymphocytes. Wierda D, et al. **Biochem Pharmacol** 1981 Dec 15;30(24):3295–303

Selective uptake of liposomes by different cell types of liver through the involvement of liposomal surface glycosides. Ghosh P, et al. **Biochem Soc Trans** 1981 Dec;9(6):512–4

Uridine and uracil transport in Escherichia coli and transport–deficient mutants. Roy–Burman S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):309–19

Effect of myocardial ischemia on uridine incorporation and histone acetylation. Taylor PB, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):313–8

Estimation of the turnover rates of (3)H–uridine in mouse skeletal tissues during aging. Singh IJ, et al. **Exp Gerontol** 1981;16(4):317–23

The incorporation of uridine label into the RNA of mouse embryo cells does not always reflect the labelling of the major cellular UTP pool. Piper PW. **FEBS Lett** 1981 Aug 31;131(2):373–6

Uridine phosphate binding proteins in the plasma membrane of rat liver. Tauber R, et al. **FEBS Lett** 1982 May 17; 141(2):198–202

Microsystem to evaluate the incorporation of 3H–uridine in macrophage RNA. Varesio L, et al. **Immunol Commun** 1981;10(7):577–89

Ribose–1–P is the essential precursor for nucleic acid synthesis in animal cells growing on uridine in the absence of sugar. Wice BM, et al. **J Biol Chem** 1982 Mar 10; 257(5):2578–83

Evaluation of Mg2+ as an intracellular regulator of uridine uptake. Vidair C, et al. **J Cell Physiol** 1981 Sep; 108(3):317–25

Age–related changes in 3H–uridine uptake in the mouse. Fog R, et al. **J Gerontol** 1981 Nov;36(6):680–1

Double labelling of neuronal somata by [3H]uridine and horseradish peroxidase: a technique to demonstrate two–stage connections with the light microscope. Robertson RT, et al. **J Neurosci Methods** 1982 Mar; 5(3):227–33

Effects of aminoguanidine sulfate on the incorporation of amino acids and bases into chick embryonic liver and body. Sugiyama T, et al. **J Pharmacobiodyn** 1980 Dec; 3(12):649–58

[Incorporation of H3 uridine in chick embryo skin cultured in media containing histones] Locci P, et al. **Boll Soc Ital Biol Sper** 1981 Apr 30;57(8):853–6 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Uridine rescue from the lethal toxicity of 5–fluorouracil in mice. Klubes P, et al. **Cancer Chemother Pharmacol** 1982; 8(1):17–21

PHYSIOLOGY

Uridine regulation by the isolated rat liver: perfusion with an artificial oxygen carrier. Monks A, et al. **Am J Physiol** 1982 May;242(5):R465–70

THERAPEUTIC USE

High–dose 5–fluorouracil with delayed uridine 'rescue' in mice. Martin DS, et al. **Cancer Res** 1982 Oct;42(10):3964–70

URIDINE DIPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE DIPHOSPHATE N–ACETYLGALACTOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N–ACETYLGLUCOSAMINE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE N–ACETYLMURAMIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GALACTOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE GLUCOSE DEHYDROGENASE see under **CARBOHYDRATE DEHYDROGENASES**

URIDINE DIPHOSPHATE GLUCOSE EPIMERASE see under **CARBOHYDRATE ISOMERASES**

URIDINE DIPHOSPHATE GLUCURONIC ACID see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE DIPHOSPHATE SUGARS

ANALYSIS

Determination of hepatic uridine 5'–diphosphoglucuronic acid concentration by conjugation with diethylstilbestrol. Watkins JB, et al. **J Pharmacol Methods** 1982 Mar; 7(2):145–51

BIOSYNTHESIS

Effects of early diabetes on uridine diphosphosugar synthesis in the rat renal cortex. Cortes P, et al. **Kidney Int** 1982 May;21(5):676–82

ISOLATION & PURIFICATION

Reverse–phase high–pressure liquid chromatography of uridine diphosphate N–acetylmuramyl peptide precursors of bacterial cell wall peptidoglycan. Flouret B, et al. **Anal Biochem** 1981 Jun;114(1):59–63

Uridine diphospho–N–acetylgalactosamine 4–sulfate: isolation and high performance liquid chromatography assay of its reaction with arylsulfatase B. Fluharty AL, et al. **Anal Biochem** 1982 Apr;121(2):310–4

METABOLISM

Differential labelling of UDP–N–acetylglucosamine in Huntington's–chorea fibroblasts. Hung WY, et al. **Biochem J** 1981 May 15;196(2):495–8

Effect of cycloheximide on the incorporation of [14C]glucosamine into UDP–N–acetylglucosamine, cell free and protein–bound N–acetylneuraminic acid, and plasma membrane glycoproteins of chicken liver. Chelibonova–Lorer H, et al. **Biochem Pharmacol** 1982 Jun 1;31(11):2123–5

Dependence of glucuronidation rate on UDP–glucuronic acid levels in isolated hepatocytes. Singh J, et al. **Biochem Pharmacol** 1981 Dec 1;30(23):3252–4

Extensive radioactive labeling of glycolipids in cultured hamster fibroblasts by incubation of whole cells with UDP–[14C]glucose and UDP–[14C]galactose. Sasaki T. **Biochim Biophys Acta** 1981 Dec 23;666(3):418–25

Sequential glycosylations of endogenous glycosphingolipids in hamster fibroblasts incubated with nucleotide sugars. Sasaki T. **Biochim Biophys Acta** 1981 Dec 23;666(3):426–32

Cycles in polysaccharide biosynthesis. Leloir LF. **Curr Top Cell Regul** 1981;18:211–20

Glycoprotein synthesis in lysolecithin–treated cells using sugar nucleotides as glycosyl donors. Rudick M, et al. **In Vitro** 1981 Feb;17(2):173–7

Uridine diphosphate–glucuronic acid–independent conversion of bilirubin monoglucuronides to diglucuronide in presence of plasma membranes from rat liver is nonenzymic. Sieg A, et al. **J Clin Invest** 1982 Feb; 69(2):347–57

UDP–N–acetyl–D–glucosamine 2'–epimerase from Escherichia coli. Kawamura T, et al. **Methods Enzymol** 1982;83 Pt D:515–9

UDPgalactose: ceramide galactosyltransferase from rat brain. Neskovic NM, et al. **Methods Enzymol** 1981;71 Pt C:521–36

PHARMACODYNAMICS

Effect of glutathione and uridine 5'–diphosphoglucuronic acid on benzo(a)pyrene mutagenesis in the Salmonella/microsome assay. Malaveille C, et al. **Dev Toxicol Environ Sci** 1980;8:175–80

UDP–glucose effect on phrenic diaphragm preparation of the rat. Pastoris O, et al. **Farmaco [Sci]** 1981 Aug; 36(8):721–8

Effect of glutathione and uridine 5'–diphosphoglucuronic acid on mutagenesis by benzo[a]pyrene and aflatoxin B1 in the Salmonella/microsome assay. Malaveille C, et al. **Mutat Res** 1981 Aug;83(1):15–24

THERAPEUTIC USE

[Proposed biotherapy of hyperlipidemia] Girotto T, et al. **Clin Ter** 1981 Mar 31;96(6):393–604 (Eng. Abstr.) **(Ita)**

[Uridine diphosphate glucose in acute viral hepatitis] Crispo C, et al. **Minerva Med** 1982 Feb 11;73(5):187–90 (Eng. Abstr.) **(Ita)**

URIDINE DIPHOSPHATE XYLOSE see under **URIDINE DIPHOSPHATE SUGARS**

URIDINE KINASE see under **PHOSPHOTRANSFERASES, ATP**

URIDINE MONOPHOSPHATE see under **URACIL NUCLEOTIDES**

URIDINE PHOSPHATES see **URACIL NUCLEOTIDES**

URIDINE PHOSPHORYLASE see under **PENTOSYLTRANSFERASES**

URIDINE TRIPHOSPHATE see under **URACIL NUCLEOTIDES**

URINARY CALCULI

Crystal morphologies in whewellite stones: electron microscopy. Ogbuji LU, et al. **Invest Urol** 1981 Nov; 19(3):182–6

Use of a density gradient column in the analysis of urinary calculi. Rodgers AL, et al. **Invest Urol** 1981 Nov; 19(3):154–6

Calculous disease [editorial] Boyce WH. **J Urol** 1982 May; 127(5):859

Characterisation of urinary crystals and thin polished sections of urinary calculi by means of an optical microscopic and scanning electron microscopic arrangement. Hesse A, et al. **Urol Int** 1981;36(5):281–91

[Progress in urolithiasis research. Report and comments on the Urolithiasis Symposium 1981, Bonn (author's transl)] Asper R. **Urol Int** 1981;36(6):346–52 (Eng. Abstr.) **(Ger)**

[Urolithiasis (author's transl)] **Nippon Hinyokika Gakkai Zasshi** 1982 Jan;73(1):47–55 **(Jpn)**

CHEMICALLY INDUCED

Chemically induced urolithiasis in weanling rats. Wolkowski–Tyl R, et al. **Am J Pathol** 1982 Jun; 107(3):419–21

Role of fluoride in formation of urinary calculi: studies in rats. Anasuya A. **J Nutr** 1982 Sep;112(9):1787–95

[Triamterene induced nephrolithiasis (author's transl)] Lucas C, et al. **J Urol (Paris)** 1982;88(1):37–42 (74 ref.) (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Calcium lithiasis I. Idiopathic or hypophosphatemic hypercalciuria? Vitamin D metabolism and orthophosphate therapy] Horn HD. **Z Urol Nephrol** 1981 Dec;74(12):903–11 **(Ger)**

[Calculi with large oxalate crystals. II] Guillén Cavero M. **Arch Esp Urol** 1982 Jan–Feb;35(1):39–46 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Giant calculus in urethral diverticulum. Sinha A, et al. **Br J Urol** 1982 Feb;54(1):62

Management of the choked ureter in obstructive renal failure due to uric acid lithiasis. Ansari ER, et al. **J Urol** 1982 Aug;128(2):257–61

Urinary tract infection in stone patients and in patients with indwelling urethral catheters. Khan FA, et al. **JPMA** 1981 Nov;31(11):254–8

[Obstructive anuria. Apropos of 57 cases in 53 patients] Benchekroun A, et al. **Maroc Med** 1981 Mar;3(1):527–32 (Eng. Abstr.) **(Fre)**

[Infected calculosis: prevention of recurrences with the use of hydroxyurea] Tizzani A, et al. **Minerva Urol** 1982 Jan–Mar;34(1):55–8 **(Ita)**

DIAGNOSIS

An improved method for the routine biochemical evaluation of patients with recurrent calcium oxalate stone disease. Tiselius HG. **Clin Chim Acta** 1982 Jul 15;122(3):409–18

Histochemical analysis of urinary stone: part I--specificity & sensitivity of microchemical staining reactions to identify chemical constituents. Kabra V, et al. **Indian J Exp Biol** 1981 Nov;19(11):1050–3

Current trends in urolithiasis. Wilkiemeyer RM. **J Med Assoc Ga** 1982 May;71(5):325–8

What is a urolith and what is a recurrent urolith? Schneider HJ. **J Urol** 1982 Jan;127(1):72–4

[Diagnosis and conservative treatment of calcium lithiasis] Baše J, et al. **Rozhl Chir** 1982 Jan;61(1):4–10 (Eng. Abstr.) **(Cze)**

[Cystinuria – a forgotten urinary calculosis] Otonkoski T, et al. **Duodecim** 1981;97(17):1404–13 **(Fin)**

[Urinary lithiasis in children: 54 cases] Mairy Y, et al. **Acta Urol Belg** 1982 Jan;50(1):5–14 (Eng. Abstr.) **(Fre)**

[Oral purine loading in the routine diagnosis of patients with urinary calculi] Pflüger H, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):485–8 (Eng. Abstr.) **(Ger)**

[Ultrasonic scanning potentials in the differential diagnosis of urate stones and papillary kidney tumors] Pytel' IuA, et al. **Urol Nefrol (Mosk)** 1981 Nov–Dec;(6):8–12 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of calcium treatment on urinary stone index after intestinal bypass for obesity. Holm CN, et al. **Digestion** 1981;22(5):255–8

Acetohydroxamic acid--dissolution of urinary stones? Safani MM, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):886

Idiopathic hypercalciuria: hydrochlorothiazide decrease urinary calcium without altered renal response to parathyroid hormone. Van Den Berg CJ, et al. **J Clin Endocrinol Metab** 1982 Jul;55(1):23–6

Flurofamide: a potent inhibitor of bacterial urease with potential clinical utility in the treatment of infection induced urinary stones. Millner OE Jr, et al. **J Urol** 1982 Feb;127(2):346–50

Calcium and magnesium metabolism during long-term treatment with thiazides. Ljunghall S, et al. **Scand J Urol Nephrol** 1981;15(3):257–62

[The use of mercapto-propionyl-glycine in the treatment of cystine lithiasis (author's transl)] Dimopoulos C, et al. **J Urol (Paris)** 1981;87(5):265–8 (Eng. Abstr.) **(Fre)**

[Long-term treatment and prevention of uric acid urolithiasis with allopurinol] Jarrar K. **Fortschr Med** 1982 May 27; 100(20):967–8 (Eng. Abstr.) **(Ger)**

[Test of efficacy of an oxalate-binding anion exchanger Colestid in healthy subjects for use in idiopathic calcium-oxalate urolithiasis] Hagmaier V, et al. **Helv Chir Acta** 1981 Aug;48(3–4):421–4 (Eng. Abstr.) **(Ger)**

[Results of short-term and long-term studies of dissolving of urinary stones] Leskovar P, et al. **Med Welt** 1982 Jan 29;33(4):123–6 **(Ger)**

[In vitro and first in vivo experiments for the dissolution of calcium-containing urinary calculi (author's transl)] Leskovar P, et al. **Urol Int** 1981;36(5):325–34 (Eng. Abstr.) **(Ger)**

[Search for a new rinsing solution for the local lysis of calcium-containing urinary calculi] Leskovar P, et al. **Z Urol Nephrol** 1982 Apr;75(4):245–52 (Eng. Abstr.) **(Ger)**

[Induced crystalluria. A method of investigating patients with urinary lithiasis undergoing medical treatment] Fantastico T. **Minerva Urol** 1982 Apr–Jun;34(2):95–9 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

[Metabolic causes of urolithiasis in childhood] Joost J. **Z Urol Nephrol** 1981 Nov;74(11):839–45 **(Ger)**

ETIOLOGY

Urolithiasis [editorial] Malek RS. **Arch Intern Med** 1982 Jun; 142(6):1089

Investigation of urinary calculi. Marshall VR, et al. **Br J Hosp Med** 1981 Oct;26(4):389–92

Incidence of normocalcemic hyperparathyroidism in idiopathic hypercalciuria: evaluation by dietary calcium deprivation test. Mazzuoli GF, et al. **Eur Urol** 1981; 7(6):331–4

Nutrition & urolithiasis: Part I–intestinal absorption of oxalate in vitamin B6 deficient rats. Farooqui S, et al. **Indian J Exp Biol** 1981 Jun;19(6):551–4

Calculosis in paraplegia. Burr RG. **Int Rehabil Med** 1981; 3(3):162–7

Homozygous cystinuria--evaluation of 35 patients. Evans WP, et al. **J Urol** 1982 Apr;127(4):707–9

Water hardness and urinary stone disease. Shuster J, et al. **J Urol** 1982 Aug;128(2):422–5

Urolithiasis due to 2,8-dihydroxyadenine in an adult. Gault MH, et al. **N Engl J Med** 1981 Dec 24;305(26):1570–2

Urolithiasis in patients with spinal cord injury. Nikakhtar B, et al. **Paraplegia** 1981;19(6):363–6

Dihydroxyadenine urolithiasis in children with partial deficiency of adenine phosphoribosyltransferase. Sakamoto K, et al. **Urol Int** 1981;36(4):274–80

Case profile: radiolucent urethral calculus with hemostatic clip nidus. Miedema EB, et al. **Urology** 1982 Mar;19(3):328

[Hyperuricosuria and urinary lithiasis in paraplegic patients (author's transl)] Minaire P, et al. **Sem Hop Paris** 1981 Sep 18–25;57(33–36):1409–12 (Eng. Abstr.) **(Fre)**

[Factors affecting urinary lithogenesis following tienilic acid administration in man (author's transl)] Richard O, et al. **Therapie** 1981 Jul–Aug;36(4):429–34 (Eng. Abstr.) **(Fre)**

[The role of calcium in the pathogenesis of urinary calculi (author's transl)] Hering F, et al. **Urologe [Ausg A]** 1982 May;21(3):150–2 **(Ger)**

[Calcium lithiasis after renal transplant] Casati S, et al. **Minerva Nefrol** 1981 Jan–Mar;28(1):85–8 (Eng. Abstr.) **(Ita)**

[Uric lithiasis. Further experience with the kinetics of dissolution] Tizzani A, et al. **Minerva Urol** 1981 Oct–Dec; 33(4):211–6 (Eng. Abstr.) **(Ita)**

[Cystinic lithiasis. Current therapeutic trends. Personal experience] Tizzani A, et al. **Minerva Urol** 1981 Oct–Dec; 33(4):253–8 (Eng. Abstr.) **(Ita)**

[Investigations of the causes of urolithiasis. 2. The influence of menstrual cycle on the excretion of citric acid and electrolytes (author's transl)] Iguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):856–64 (Eng. Abstr.) **(Jpn)**

[Hyperparathyroidism in urology] Giuliani L, et al. **Arch Esp Urol** 1982 Jan–Feb;35(1):27–38 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Group-specific component and haptoglobin phenotypes in urinary calculous disease. Babionitakis A, et al. **Eur Urol** 1982;8(3):173–5

HISTORY

Urolithiasis [editorial] Griffith DP. **J Urol** 1981 Oct; 126(4):431

[History of the microscopic study of calculi of the urinary system in the 19th century] Cifuentes Delatte L. **Arch Esp Urol** 1981 Sep–Oct;34(5):375–84 (Eng. Abstr.) **(Spa)**

METABOLISM

10,000 analyses of urinary calculi using X-ray diffraction and polarizing microscopy. Brien G, et al. **Eur Urol** 1982; 8(4):251–6

Occurrence of immunoglobulins in organic matrices of some urinary calculi. Monga JN, et al. **Indian J Med Res** 1981 Nov;74:729–32

Crystallographic investigations of urinary calcium oxalate calculi. Schubert G, et al. **Int Urol Nephrol** 1981; 13(3):249–60

Metabolic effects of bendroflumethiazide in patients with recurrent calcium oxalate stone disease. Ahlstrand C, et al. **J Urol** 1981 Nov;126(5):635–9

Powder diffraction analysis of urinary calculi: the advantages of using a cobalt x-ray tube. Gray D, et al. **J Urol** 1982 Feb;127(2):387–8

Composition of urinary calculi collected in the Durban area. Gray D, et al. **S Afr Med J** 1982 Jan 23;61(4):121–5

Analysis of urinary calculi; a quality control programme. Uldall A. **Scand J Clin Lab Invest** 1981 Jun;41(4):339–45

The composition of urinary stones analysed by infrared spectrophotometry and the precipitation of calcium phosphates from saturated solutions. Try K **Scand J Urol Nephrol** 1981;15(3):263–7

Genitourinary calcification: an overview. Margolin EG, et al. **Semin Roentgenol** 1982 Apr;17(2):95–100

Effects of a cation exchange resin on intestinal calcium absorption and urinary calcium in calcium stone formers. Scholz D, et al. **Urol Res** 1981;9(6):263–9

[Urinary calculi analysis using X-ray diffraction: selection, use and advantages] Asper R, et al. **Helv Chir Acta** 1981 Aug;48(3–4):467–75 (Eng. Abstr.) **(Ger)**

[Clinical significance of urinary calculi analysis] Schmucki O. **Helv Chir Acta** 1981 Aug;48(3–4):477–83 (Eng. Abstr.) **(Ger)**

[Quantitative roentgen diffraction urinary calculi analysis] Keller F, et al. **Z Med Lab Diagn** 1982 Jan;23(1):20–9 (Eng. Abstr.) **(Ger)**

[Analytic reliability and diagnostic precision of x-ray diffractometric analysis of urinary calculi] Rebentisch G, et al. **Z Med Lab Diagn** 1981;22(6):324–32 (Eng. Abstr.) **(Ger)**

[Problems in quantitative x-ray diffractometric analysis of urinary calculi] Schubert G. **Z Med Lab Diagn** 1981; 22(6):333–9 (Eng. Abstr.) **(Ger)**

[Calcium lithiasis II. Idiopathic or hypophosphatemic hypercalciuria? Vitamin D – metabolism and othophosphate therapy] Horn HD. **Z Urol Nephrol** 1982 Jan;75(1):53–61 (Eng. Abstr.) **(Ger)**

[Growth of urinary calculi studied by observation of thin sections] Tizzani A, et al. **Minerva Urol** 1982 Jan–Mar; 34(1):1–16 **(Ita)**

[Studies on oxalate in urolithiasis. III. Effect of xylitol infusion on plasma and urinary oxalate (author's transl)] Ogawa Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1553–8 (Eng. Abstr.) **(Jpn)**

[Studies on urolithiasis: crystal aggregation in calcium oxalate stone formers (author's transl)] Suzuki K. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):842–55 (Eng. Abstr.) **(Jpn)**

[A schedule for the detection of metabolic disorders in subjects with urolithiasis] Guigliani R, et al. **AMB** 1981 May;27(5):163–4 **(Por)**

[Levels of oxalates in serum and urine in calcium oxalate urinary calculi] Januzović N. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):143–5 **(Ser)**

MICROBIOLOGY

[Detection of ureolytic bacteria in urine in urinary calculi] Haussmann A, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):495–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Frequency of urolithiasis in a prepaid medical care program. Hiatt RA, et al. **Am J Epidemiol** 1982 Feb;115(2):255–65

A high incidence of urolithiasis in male marathon runners. Milvy P, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):295–8

A review of 171 consecutive patients with urinary lithiasis. Rous SN. **J Urol** 1981 Sep;126(3):376–9

Incidence of urinary stones in the various states of mainland Malaysia. Sreenevasan G. **Med J Malaysia** 1981 Sep; 36(3):142–7

PATHOLOGY

Staining with glyoxal-bis-(2-hydroxy-anil) to identify calcium oxalate in urinary stones. Kabra V, et al. **Indian J Exp Biol** 1981 Aug;19(8):779–81

Urine cytology in patients with calculi. Highman W, et al. **J Clin Pathol** 1982 Mar;35(3):350–6

Clinical manifestations of calcium oxalate monohydrate and dihydrate urolithiasis. Koide T, et al. **J Urol** 1982 Jun; 127(6):1067–9

Light and scanning electron microscopic studies of oxamide urolithiasis in rats. Khan SR, et al. **Scan Electron Microsc** 1981;(Pt 3):155–62

Calcium oxalate crystal growth in human urinary stones. Kim KM, et al. **Scan Electron Microsc** 1981;(Pt 3):147–54

Studies on the morphology of human uric acid stones. Kleeberg J. et al. **Urol Res** 1981;9(6):259–61

[Urolithiasis in childhood] Joost J, et al. **Urologe [Ausg A]** 1982 May;21(3):133–6 (Eng. Abstr.) **(Ger)**

[Effect of lithiasis on the epithelium of the urinary tract] Dimopoulos C, et al. **Arch Esp Urol** 1981 Nov–Dec; 34(6):461–6 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Parathyroid hormone, cAMP, electrolytes and uric acid after high dose CaCl2 in patients with idiopathic stone formation. Dunzendorfer U, et al. **Endokrinologie** 1981 Mar; 77(3):353–9

Parathyroid gland function in subgroups of metabolically mediated urolithiasis as evaluated by serum parathyroid hormone, and urinary and nephrogenous cyclic nucleotides. Schwille PO, et al. **Klin Wochenschr** 1982 Mar 1; 60(5):229–36

[Purine loading test in calcium-oxalate stone formers (author's transl)] Lux B, et al. **Urologe [Ausg A]** 1982 May; 21(3):147–9 **(Ger)**

[Functional status of the adrenals in patients with urolithiasis in Kirghizia] Tynaliev MT, et al. **Urol Nefrol (Mosk)** 1982 May–Jun;(3):11–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Therapy for urolithiasis with hydroxamic acids. IV. Prevention of infected urinary stone formation with N-(pivaloyl)glycinohydroxamic acid. Satoh M, et al. **J Pharmacobiodyn** 1981 Jul;4(7):469–74

[Effect of Solubitrat on the excretion of so-called urinary calculus-forming factors] Bichler KH, et al. **Fortschr Med** 1982 May 6;100(17):816–8 **(Ger)**

[Oxalate stone prophylaxis by alkalinizing therapy (author's

transl)] Butz M. **Urologe [Ausg A]** 1982 May;21(3):142–6 (Eng. Abstr.) **(Ger)**

[Guidelines for prevention of recurrent urolithiasis (author's transl)] Zechner O. **Wien Klin Wochenschr** 1981 Oct 30; 93(20):619–24 (Eng. Abstr.) **(Ger)**

[Contribution to the problem of preventing recurrences of oxalate and phosphate urinary caluli: active modification of citrate excretion and Ca++-binding capacity in the urine of Wistar rats] Leskovar P, et al. **Z Urol Nephrol** 1982 Mar;75(3):181–7 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

[The social infrastructure of patients with urinary calculi (author's transl)] Zechner O, et al. **Wien Klin Wochenschr** 1981 Oct 30;93(20):635–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Prognosis, management and outcome of obstructive renal disease in pregnancy. Miller RD, et al. **J Reprod Med** 1982 Apr;27(4):199–201

Residual postoperative upper urinary tract stone. Sutherland JW. **J Urol** 1981 Nov;126(5):573–5

Urolithiasis in the lower urinary tract. Banner MP, et al. **Semin Roentgenol** 1982 Apr;17(2):140–8

[X-ray diagnosis of combined uro- and cholelithiasis] Perel'man VM, et al. **Vestn Rentgenol Radiol** 1981 Jul–Aug; (4):60–4 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The location of urinary calculi using radionuclide imaging. Noble RL, et al. **Br J Urol** 1981 Dec;53(6):513–5

SURGERY

Urinary calculi in children. A 5 to 15-year follow-up with particular reference to recurrent and residual stones. Androulakakis PA, et al. **Br J Urol** 1982 Apr;54(2):176–80

Observations on lower urinary tract calculi in children. Carson CC 3d, et al. **J Urol** 1982 May;127(5):977–8

Recurrence following operative treatment of upper urinary tract stone. Sutherland JW. **J Urol** 1982 Mar;127(3):472–4

[Lithotrity and lithotomy] Hingston WH. **Union Med Can** 1981 Dec;110(12):1050 (Eng. Abstr.) **(Fre)**

[Calculi of the kidney and draining urinary tracts with special reference to organ saving kidney surgery] Ziegler M, et al. **Chirurg** 1981 Sep;52(9):554–60 **(Ger)**

THERAPY

Urolithiasis update: biophysical and radiologic advances enhance antistone therapy. Gill WB. **Am J Kidney Dis** 1981 Sep;1(2):66–90 (157 ref.)

Current management of urinary tract stones. Foo KT. **Ann Acad Med Singapore** 1981 Apr;10(2):208–12

Urinary calculi in pregnancy. Perreault JP, et al. **Can J Surg** 1982 Jul;25(4):453–4

Tube-bouginage technic in the management of urethral stone (case reports). Dasgupta HK, et al. **J Postgrad Med** 1981 Jul;27(3):187–188b

Management of the choked ureter in obstructive renal failure due to uric acid lithiasis. Ansari ER, et al. **J Urol** 1982 Aug;128(2):257–61

Urolithiasis in hyperuricemia and gout. Yu TF. **J Urol** 1981 Oct;126(4):424–30

Urinary calculi in pregnancy: diagnosis and management. Boes DJ. **JAOA** 1982 Jun;81(10):697–703

Stone disease of the urinary tract. Robertson WG, et al. **Practitioner** 1981 Jul;225(1357):961–9

[Pain due to urolithiasis treated by intracutaneous injection of sterile water. A clinically controlled double-blind study] Bengtsson J, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3463–5 (Eng. Abstr.) **(Dan)**

[Use of Zbruch mineral water in treating urolithiasis] Kurii MF. **Vrach Delo** 1982 Feb;(2):91–2 **(Rus)**

URINE

Hypercalciuria in children with urolithiasis. Stapleton FB, et al. **Am J Dis Child** 1982 Aug;136(8):675–8

Clinical and urinary characteristics of urolithiasis in ulcerative colitis. Fukushima T, et al. **Am J Gastroenterol** 1982 Apr;77(4):238–42

The influence of renal prostaglandins on glomerular filtration rate (GFR) and calcium excretion in urolithiasis. Buck AC, et al. **Br J Urol** 1981 Dec;53(6):485–91

The effect of pH on the urinary inhibition of calcium oxalate crystal growth. Tiselius HG. **Br J Urol** 1981 Oct; 53(5):470–4

[14C]Oxalate absorption by normal persons, calcium oxalate stone formers, and patients with surgically disturbed intestinal function. Tiselius HG, et al. **Clin Chem** 1981 Oct; 27(10):1682–5

A study of glycosaminoglycan excretion in normal and stone-forming subjects using a modified cetylpyridinium chloride technique. Samuell CT. **Clin Chim Acta** 1981 Nov 25;117(1):63–73

Effects of high molecular weight urinary macromolecules on crystallization of calcium oxalate dihydrate. Drach GW, et al. **J Urol** 1982 Apr;127(4):805–10

Seasonal variation in urinary excretion of calcium, oxalate, magnesium and phosphate on free and standard mineral diet in men with urolithiasis. Juuti M, et al. **Scand J Urol Nephrol** 1981;15(2):137–41

[Detection of urinary organic acids by gradual titration of pH 2,0–7,4. Significance for the assessment of the litho-protective characteristic of the examined urine] Leskovar P, et al. **Helv Chir Acta** 1981 Aug;48(3–4):489–93 (Eng. Abstr.) **(Ger)**

[Stress and risk of urolith formation. I. The influence of stress on lithogenous urinary substances (author's transl)] Brundig P, et al. **Urol Int** 1981;36(3):199–207 (Eng. Abstr.) **(Ger)**

[Investigations of the causes of urolithiasis. 3. Nutriological studies in the patients with urolithiasis—relationship of food to excretions in the urine (author's transl)] Iguchi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1982 Mar;73(3):267–73 (Eng. Abstr.) **(Jpn)**

[Studies on oxalate in urolithiasis. I. A radioenzymatic assay for oxalate in urine (author's transl)] Ogawa Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Jun;72(6):694–700 (Eng. Abstr.) **(Jpn)**

[Studies on oxalate in urolithiasis. II. Urinary oxalate in oxalate stone-formers (author's transl)] Ogawa Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1546–52 (Eng. Abstr.) **(Jpn)**

[Diurnal oscillations of calcium ions, total calcium and oxalates in the urine of patients with calcium oxalate urolithiasis and normal persons] Januzović N. **Med Pregl** 1981;34(11–12):507–12 (Eng. Abstr.) **(Scr)**

VETERINARY

A preliminary study of the possible application of gastrocystoplasty in selected cases of feline urolithiasis. Skerritt GC, et al. **Br Vet J** 1981 Sep–Oct;137(5):501–6

Dissolution of a nephrolith in a dog. Kirby R, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):827–8

Mineral composition of urinary calculi from miniature schnauzer dogs. Klausner JS, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1082–3

Canine Silica Urolithiasis. Osborne CA, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):809–13

Canine struvite urolithiasis: problems and their dissolution. Osborne CA, et al. **J Am Vet Med Assoc** 1981 Aug 1; 179(3):239–44

Urolithiasis in dogs from villages in Bulgaria. Stoichev II. **J Comp Pathol** 1980 Oct;90(4):619–23

Urolithiasis in lambs [letter] Orskov ER, et al. **Vet Rec** 1981 Aug 1;109(5):107

Urolithiasis in calves [letter] Rice D, et al. **Vet Rec** 1981 Jul 25;109(4):88

Persistent urinary tract infection and urolithiasis in a cat with a urachal diverticulum. Gotthelf LN. **VM SAC** 1981 Dec; 76(12):1745–7

URINARY CATHETERIZATION

In utero treatment of urinary tract obstruction. Golbus MS, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):383–8

Management of neuropathic urinary incontinence in children by intermittent catheterisation. Scott JE, et al. **Arch Dis Child** 1982 Apr;57(4):253–8

The role of intermittent catheterization in the management of children with neuropathic bladders. Dieppa RA. **Contrib Nephrol** 1981;27:75–93 (28 ref.)

Simple practical techniques in the management of urinary incontinence. Shepherd A, et al. **Int Rehabil Med** 1982; 4(1):15–9

Screening of urinary pathogens obtained from catheterized patients for mannose-specific lectin: clinical implications. Rubinstein E, et al. **Isr J Med Sci** 1982 Apr;18(4):469–73

Self-retaining ureteral stent catheters in the management of urologic complications of gynecologic malignancies. Yoonessi M, et al. **J Surg Oncol** 1982 Jun;20(2):95–8

Internal urethrotomy without a catheter: use of a urethral stent. Fair WR. **J Urol** 1982 Apr;127(4):675–6

Catheter management after ureteroneocystostomy in children [letter] Quattlebaum RB. **J Urol** 1982 Mar;127(3):554

The effect of a urethral catheter on the measurement of maximum urinary flow rate. Ryall RL, et al. **J Urol** 1982 Aug;128(2):429–32

Analysis of 48 children with myelodysplasia. Schoenberg HW, et al. **J Urol** 1982 Apr;127(4):749–50

Ureteral splints: results of a survey. Turner MD, et al. **J Urol** 1982 Apr;127(4):654–6

Reduction of catheter-induced infections [letter] Rhodes LV 3d. **JAMA** 1982 Aug 20;248(7):830–1

Comparison of urine bag-changing regimens in elderly catheterised patients. Reid RI, et al. **Lancet** 1982 Oct 2; 2(8301):754–6

Management of undeflatable Foley catheter balloon. Addonizio JC, et al. **Urology** 1982 Mar;19(3):318

Nitrofurantoin macrocrystals prevent bacteriuria in intermittent self-catheterization. Duffy L, et al. **Urology** 1982 Jul;20(1):47–9

Antegrade catheter technique to dissolve uric acid ureteral calculi. Hedgcock MW, et al. **Urology** 1982 Apr; 19(4):407–9

Method for changing suprapubic Cystocath bladder drainage system. Kauder DH, et al. **Urology** 1981 Nov;18(5):503

Catheter as source of error in urodynamic study. Koraitim M. **Urology** 1982 Aug;20(2):223–5

Five-year experience with clean intermittent catheterization in children. Plunkett JM, et al. **Urology** 1982 Aug; 20(2):128–30

Frequency of urinary catheter change and clinical urinary tract infection. Study in hospital-based, skilled nursing home. Priefer BA, et al. **Urology** 1982 Aug;20(2):141–2

[Catheterization of the ureter after anti-reflux reimplantation using the C-hen technic] De Castro R, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):67–70 (Eng. Abstr.) **(Ita)**

[Percutaneous nephrostomy using the Desilets-Hoffman principle] Nadalini VF, et al. **Radiol Med (Torino)** 1982; 68(3):121–2 **(Ita)**

[The influence of long-lasting bladder drainage by a transurethral catheter on urinary bladder function (author's transl)] Gilja I, et al. **Lijec Vjesn** 1982 Jan;104(1):9–11 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Hydrogen peroxide instillations into the urinary drainage bag: should we or shouldn't we? Sarubbi FA, et al. **Am J Infect Control** 1982 May;10(2):72–3

Bacteriuria during follow-up in patients with spinal cord injury: I. Rates of bacteriuria in various bladder-emptying methods. Erickson RP, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):409–12

Long-term Suprapubic cystostomy drainage in spinal cord injury patients. Hackler RH. **Br J Urol** 1982 Apr; 54(2):120–1

Complications of the Foley catheter. Schabel SI, et al. **CRC Crit Rev Diagn Imaging** 1981;16(3):219–37

Use of ureteral catheters in colonic and rectal surgery. Leff EI, et al. **Dis Colon Rectum** 1982 Jul–Aug;25(5):457–60

Bacteriuria in closed bladder drainage versus continuous irrigation in patients undergoing intracavitary radium for treatment of gynecologic cancer. Savage JE, et al. **Gynecol Oncol** 1982 Feb;13(1):26–30

CDC guidelines on infection control. **Infect Control** 1981 Mar–Apr;2(2):117–46

Guideline for prevention of catheter-associated urinary tract infections [letter] Chaitow R. **Infect Control** 1981 May–Jun; 2(3):198

Nosocomial urinary tract infection: a prospective evaluation of 108 catheterized patients. Hartstein AI, et al. **Infect Control** 1981 Sep–Oct;2(5):380–6

Effect of bacteriologic monitoring of urinary catheters on recognition and treatment of hospital-acquired urinary tract infections. Jacobson JA, et al. **Infect Control** 1981 May–Jun;2(3):227–32

Catheter-related urosepsis in the elderly: a prospective study of community-derived infections. Gleckman R, et al. **J Am Geriatr Soc** 1982 Apr;30(4):255–7

Isolation of Pseudomonas fluorescens after suprapubic catheterisation [letter] Carpenter EM, et al. **J Clin Pathol** 1982 May;35(5):581

Arterial embolization of renal allograft to control hemorrhage secondary to percutaneous nephropyelostomy. Eckhauser ML, et al. **J Urol** 1981 Nov;126(5):679–80

Failure of the double-curved ureteral stent. Gerber WL, et al. **J Urol** 1982 Feb;127(2):317–9

Rat bladder irrigation with PVP-I2. Miller DP, et al. **J Urol** 1982 Jun;127(6):1230–2

Reduction of catheter-induced infections [letter] Rhodes LV 3d. **JAMA** 1982 Aug 20;248(7):830–1

Cephalexin for susceptible bacteriuria in afebrile, long-term catheterized patients. Warren JW, et al. **JAMA** 1982 Jul 23;248(4):454–8

Long-term evaluation of the effect of catheter matcrials on urethral tissue in dogs. Goodpasture JC, et al. **Lab Anim Sci** 1982 Apr;32(2):180–2

Evaluation of aseptic techniques and chlorhexidine on the rate of catheter-associated urinary-tract infection. Southampton Infection Control Team. **Lancet** 1982 Jan 9; 1(8263):89–91

Catheters and postoperative urethral stricture [letter] **Lancet** 1982 Mar 13;1(8272):622–3

Chlorhexidine and urinary drainage bags [letter] Kunin CM. **Lancet** 1982 Mar 13;1(8272):626

Chlorhexidine and urinary drainage bags [letter] Seal DV. **Lancet** 1982 Apr 24;1(8278):965

Mortality associated with nosocomial urinary-tract infection. Platt R, et al. **N Engl J Med** 1982 Sep 9;307(11):637–42

Prospective study on the appearance of antibody-coated bacteria in patients with an indwelling urinary catheter. Kostiala AA, et al. **Nephron** 1982;30(3):279–85

Technique for removal of foreign body from genitourinary tract. Zollinger RW 2d, et al. **Urology** 1982 Apr;19(4):431–2

Antimicrobial prophylaxis in urology and transplantation. Chisholm GD. **World J Surg** 1982 May;6(3):281–92 (85 ref.)

[Urethral shortening after intemperate catheterisation (author's transl)] Alno L, et al. **Chirurgie** 1981;107(9):675–9 (Eng. Abstr.) **(Fre)**

[Urethral stenosis after transurethral bladder catheterisation (author's transl)] Testas P, et al. **Chirurgie** 1981;107(9):680–4 (Eng. Abstr.) **(Fre)**

[Mutilating urinary tract and kidney lesions caused by instillation of ether into the bladder] Struck E, et al. **Med Klin [Prax]** 1982 Apr 23;77(9):48–50, 55 **(Ger)**

INSTRUMENTATION

Use of toluene in obstruction of urinary catheters. Sawada Y, et al. **Crit Care Med** 1982 Jan;10(1):55–6

Iontophoretic killing of Escherichia coli in static fluid and in a model catheter system. Davis CP, et al. **J Clin Microbiol** 1982 May;15(5):891–4

Use of the Pfister-Schwartz sheath as a ureteral stent [letter] Mathes GL. **J Urol** 1982 Feb;127(2):341
An improved dilator system for percutaneous nephrostomies. Rusnak B, et al. **Radiology** 1982 Jul;144(1):174
Double-J and diversion stents. Finney RP. **Urol Clin North Am** 1982 Feb;9(1):89–94
Use of the argyle catheter for nephrostomy drainage. Gerber WL. **Urol Clin North Am** 1982 Feb;9(1):61–3
Adherence of bacteria to urinary catheters. Sugarman B. **Urol Res** 1982 Feb;10(1):37–40
Easier way to introduce pigtail ureteral stents. Camacho MF, et al. **Urology** 1981 Oct;18(4):402
Catheter guide for neonates. Gerber WL. **Urology** 1982 Jul; 20(1):87
Incidence of urethral stricture after transurethral resection of prostate. Effects of urinary infection, urethral flora, and catheter material and size. Hart AJ, et al. **Urology** 1981 Dec;18(6):588–91
[1st experiences with a urethral endothesis in bladder neck adenoma] Langkopf B, et al. **Z Urol Nephrol** 1981 Nov; 74(11):793–800 (Eng. Abstr.) **(Ger)**
[A new modified catheter for voiding cystourethrography (author's transl)] Tsuchida S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):967–72 (Eng. Abstr.) **(Jpn)**

METHODS

Simplified procedure for percutaneous nephrostomy. Segal AJ, et al. **AJR** 1981 Nov;137(5):1078–9
Removal of a dislodged ureteral stent through a percutaneous nephrostomy. Zegel HG, et al. **AJR** 1981 Sep;137(3):629–30
Self-catheterization training of a child with myelomeningocele (toileting independence, incontinent children). Clarkson JD. **Am J Occup Ther** 1982 Feb; 36(2):95–8
Intrauterine treatment of fetal hydronephrosis. Levine AH, et al. **AORN J** 1982 Mar;35(4):655–62
Practical procedures: how to catheterize the bladder. Blandy JP. **Br J Hosp Med** 1981 Jul;26(1):58–60
How to catheterize the bladder [letter] Leahy A. **Br J Hosp Med** 1981 Oct;26(4):434
Ureteral 'kinking' following colposuspension [letter] Watt LO. **Can Med Assoc J** 1982 Feb 15;126(4):360,362
A simplified method of monitoring urine output with bilateral ureteral catheters in place. Rubin RJ, et al. **Dis Colon Rectum** 1981 Nov-Dec;24(8):647
The development of a urinary incontinence drainage system. Matthews HV. **Int Rehabil Med** 1982;4(1):45–8
Percutaneous transrenal placement of indwelling ureteral catheters. Jenkins AD, et al. **J Urol** 1981 Dec;126(6):730–3
A technique for percutaneous dilatation of nephrostomy tracks. Mazzeo VP Jr, et al. **Radiology** 1982 Jul; 144(1):175–6
The paraplegic – intermittent catheterization and other advances. Boles DM. **S Afr Med J** 1982 Mar 6;61(10):357–9
Clinical experiences of direct transmural measurement of the detrusor pressure. Nyman CR, et al. **Scand J Urol Nephrol** 1981;15(3):223–7
Maintenance of sterility in urinary drainage bags. Desautels RE, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):838–40
Percutaneous nephrostomy with the Stamey catheter: a new introducing technique. Castaneda-Zuniga WR, et al. **Urol Clin North Am** 1982 Feb;9(1):65–7
Percutaneous approach to the ureter. Miller RP, et al. **Urol Clin North Am** 1982 Feb;9(1):31–40
Reestablishment of a nephrostomy tract. Miller RP, et al. **Urol Clin North Am** 1982 Feb;9(1):75–8
Indications for palliative urinary diversion in patients with cancer. Ortlip SA, et al. **Urol Clin North Am** 1982 Feb; 9(1):79–84
Circle tube nephrostomy and nephroureterostomy. Reddy P, et al. **Urol Clin North Am** 1982 Feb;9(1):69–73
Percutaneous nephrostomy: techniques, indications, and results. Stables DP. **Urol Clin North Am** 1982 Feb; 9(1):15–29
[Trans-vesico parietal exteriorisation of ureteric catheters inserted endoscopically (author's transl)] Choquenet C, et al. **J Urol (Paris)** 1982;88(3):179–80 (Eng. Abstr.) **(Fre)**
[Drainage of the bladder by suprapubic catheterization (author's transl)] Arvis G, et al. **Nouv Presse Med** 1982 May 1;11(20):1565–7 (Eng. Abstr.) **(Fre)**
[New methods of internal urine channeling] Lent V, et al. **Dtsch Med Wochenschr** 1981 Nov 20;106(47):1583–4 **(Ger)**
[Experience with 'internal and external urinary diversion' in operative treatment of renal and ureteral stones (author's transl)] Böcker R, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):241–5 (Eng. Abstr.) **(Ger)**
[Experience with the internal splinting method (endoprosthesis) (author's transl)] Maar K, et al. **Urologe [Ausg A]** 1982 Mar;21(2):108–11 (Eng. Abstr.) **(Ger)**
[External urinary diversion for ureteral obstruction. A simple technical procedure (author's transl)] Sommerkamp H. **Urologe [Ausg A]** 1982 Mar;21(2):106–7 (Eng. Abstr.) **(Ger)**
[Trans-appendix continent vesicostomy (author's transl)] Ricci S, et al. **Pediatr Med Chir** 1981 Mar-Jun; 3(2-3):209–12 (Eng. Abstr.) **(Ita)**

VETERINARY

Technique for acute suprapubic catheterization of urinary bladder in the pig. Holliman CJ, et al. **Am J Vet Res** 1982 Jun;43(6):1056–7
A new technique for chronic catheterization of female dogs. Staskin DR, et al. **Invest Urol** 1981 Sep;19(2):109–19
Results of urinalysis and bacterial culture of canine urine obtained by antepubic cystocentesis, catheterization, and the midstream voided methods. Comer KM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):891–5
Ureteral urine collection from anesthetized domestic fowl. Wideman RF Jr, et al. **Lab Anim Sci** 1982 Jun;32(3):298–301

URINARY DIVERSION

Filling defects in small bowel urinary conduits. Amis ES Jr, et al. **AJR** 1981 Oct;137(4):787–82
Transient ureteral obstruction after ureteral stenting. Levine RS, et al. **AJR** 1982 Feb;138(2):323–7
Urinary diversion in patients undergoing pelvic exenteration. Orr JW Jr, et al. **Am J Obstet Gynecol** 1982 Apr 1; 142(7):883–9
The effects of radiotherapy on the integrity of the ureteroileal segment following cystectomy. Fowler JW, et al. **Br J Urol** 1982 Apr;54(2):126–9
Ileal conduit urinary diversion in children. An assessment of the long-term results. Orr JD, et al. **Br J Urol** 1981 Oct;53(5):424–7
Overt diabetes mellitus without glycosuria in a patient with cutaneous ureteroileostomy. Onwubalili JK. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1836–7
Stomas. **Clin Gastroenterol** 1982 May;11(2):235–435
Indications for cutaneous ureterostomies in children. Ochola-Abila P. **East Afr Med J** 1981 Aug;58(8):587–92
Squamous metaplasia in cutaneous ureterostomy stomas. A reaction in everted ureteral mucosa. Ferrer-Roda J, et al. **Eur Urol** 1982;8(1):18–22
Supracystic urine diversion in patients with bladder carcinoma treated by cystectomy preceded by 'short radiotherapy' (2000 R). Borkowski A, et al. **Int Urol Nephrol** 1981;13(4):363–9
The role of bladder augmentation in undiversion. Mitchell ME. **J Pediatr Surg** 1981 Dec;16(6):790–8
Renal growth in small kidneys after ureteroneocystostomy. Carson CC 3d, et al. **J Urol** 1982 Jun;127(6):1146–8
Evolution of the rectal bladder as a method for urinary diversion. Ghoneim MA, et al. **J Urol** 1981 Dec; 126(6):737–40
Urinary undiversion in adults. Goldstein HR, et al. **J Urol** 1982 Jul;128(1):143–50
Re: Crohn's disease developing in ileal conduit [letter] Pitts WR Jr. **J Urol** 1982 Mar;127(3):554
Secondary ureteropyelostomy in renal transplant recipients. Schiff M Jr, et al. **J Urol** 1981 Dec;126(6):723–5
Reversal of Urinary tract diversion after recovery from hysterical conversion reaction. Frentz GD, et al. **South Med J** 1981 Sep;74(9):1158–9
Urinary tract diversion and undiversion in the pediatric age group. Mitchell ME. **Surg Clin North Am** 1981 Oct; 61(5):1147–64
Urinary undiversion in patients with myelodysplasia and neurogenic bladder dysfunction. Report of a workshop. Borden TA, et al. **Urology** 1981 Sep;18(3):223–8 (24 ref.)
Ileal conduit anastomosis using modified Javid shunt as temporary stent. Buscemi MF, et al. **Urology** 1982 Mar; 19(3):316–7
Endoscopic removal of staghorn calculi in patient with high urinary diversion. Godec CJ, et al. **Urology** 1982 May; 19(5):529–31
Technique for colon antirefluxing diversion in patient with ileal conduit. Marsidi PJ, et al. **Urology** 1982 Mar; 19(3):308–10
Percutaneous nephrostomy for assessment of functional recovery of obstructed kidneys. Pode D, et al. **Urology** 1982 May;19(5):482–5
Results in children managed by cutaneous ureterostomy. Sarduy GS, et al. **Urology** 1982 May;19(5):486–8
Cystectomy and urinary diversion in patients eighty years old or older. Zincke H. **Urology** 1982 Feb;19(2):139–42
[Normal voiding 20 years after total cystectomy] Kirkegaard P, et al. **Ugeskr Laeger** 1981 Jun 15;143(25):1598–9 (Eng. Abstr.) **(Dan)**
[Palliative nephrostomy in kidney congestion due to kidney neoplasms. Ethical aspects in decision making] Zink RA, et al. **Fortschr Med** 1981 Oct 22;99(40):1666–8 (Eng. Abstr.) **(Ger)**
[Pyelonephrostomy as a life-extending measure in terminal cancer] Kratzik C, et al. **Z Urol Nephrol** 1982 Mar; 75(3):159–65 (Eng. Abstr.) **(Ger)**
[Morphological results following transureterureterostomy with definitive nephrostomy] Oehler D, et al. **Z Urol Nephrol** 1981 Oct;74(10):743–7 **(Ger)**
[Evaluation of the effect of preoperative irradiation at a dose of 2000 rad on the state of the ureterosigmoidostomy in patients subjected to total cystectomy for bladder cancer] Borówka A, et al. **Nowotwory** 1981 Jul-Dec;31(3-4):237–42 (Eng. Abstr.) **(Pol)**
[Value of the nitroblue tetrazolium test in evaluating the activity of chronic pyelonephritis in patients whose urinary bladder has been replaced by an intestinal transplant] Sitdykova ME. **Vestn Akad Med Nauk SSSR** 1981;(6):41–3 (Eng. Abstr.) **(Rus)**
[Speculative essay on urinary diversion] Ferrer Roda J. **Actas Urol Esp** 1982 May-Jun;6(3):129–32 **(Spa)**

ADVERSE EFFECTS

Neoplasia and ureterosigmoidostomy: a colonoscopy survey. Stewart M, et al. **Br J Surg** 1982 Jul;69(7):414–6
Carcinoma of the sigmoid: a complication of ureterosigmoidostomy. Charron J, et al. **Can J Surg** 1982 May;25(3):253–7
Colonic adenocarcinoma: a late complication of ureterosigmoidostomy. McFadden DD, et al. **Can Med Assoc J** 1982 Apr 1;126(7):827
Spontaneous ureteroileal colostomy. Persky L, et al. **J Urol** 1982 Apr;127(4):769–71
Complications of the non-refluxing colon conduit [letter] Syme RR. **J Urol** 1981 Sep;126(3):419
Volvulus of an ileal conduit as a lethal complication of urinary diversion. Report of one case. Kinn AC, et al. **Scand J Urol Nephrol** 1982;16(1):77–8
Ureterosigmoidostomy and colon carcinogenesis. Bristol JB, et al. **Science** 1981 Oct 16;214(4518):351
Successful dilatation of ureteroileal anastomotic stenosis using Grüntzig catheter. Dixon GD, et al. **Urology** 1982 May; 19(5):555–8
Prophylactic and therapeutic use of abdominal drains and percutaneous nephrostomies and stents for treatment of precarious ureteroileal anastomosis. Kaufman JJ, et al. **Urology** 1982 Aug;20(2):118–20
Development of adenocarcinoma in transverse colon conduit. Wilson JW, et al. **Urology** 1982 Aug;20(2):182–3
[Haemorrhage from an ileal loop bladder secondary to portal hypertension (author's transl)] Perreault JP, et al. **J Urol (Paris)** 1982;88(1):47–9 (Eng. Abstr.) **(Fre)**
[Atypical osteodystrophy of visceral origin (author's transl)] Pascaud-Ged E, et al. **Sem Hop Paris** 1982 Jan 14; 58(2):120–2 (Eng. Abstr.) **(Fre)**
[The diagnostic problem caused by a fibrous polyp appearing on the site of a ureteral implant in the large intestine] Frea B, et al. **Minerva Urol** 1981 Apr-Jun;33(2):63–5 **(Ita)**
[Sigmoid neoplasms in patients with ureterosigmoidostomy] Rizzello N, et al. **Minerva Urol** 1981 Jul-Sep;33(3):149–52 **(Ita)**

INSTRUMENTATION

The percutaneous nephrostomy tube. Cain L, et al. **Am J Nurs** 1982 Feb;82(2):296–8
Manufacturers of ostomy aids. **Clin Gastroenterol** 1982 May; 11(2):422–30
[Puncture instrument-tunnel method of ureterosigmostomy] Roman LI. **Vestn Khir** 1982 Apr;128(4):127–31 **(Rus)**

METHODS

Urinary stomas. Part 1: Surgical procedures and complications. Hendry WF. **Clin Gastroenterol** 1982 May; 11(2):303–17
Nonrefluxing colonic conduit: efficiency and complications of ureterocolic anastomosis. Arap S, et al. **Eur Urol** 1982; 8(4):196–200
Uretero-ureterostomy, transuretero-ureterostomy. Borkowski A, et al. **Int Urol Nephrol** 1981;13(3):261–70
The use of antirefluxing intestinal segments in pediatric urinary reconstruction. Crooks KK. **J Pediatr Surg** 1981 Dec;16(6):801–5
Use of the appendix to replace a ureter. Case report. Martin LW. **J Pediatr Surg** 1981 Dec;16(6):799–800
Carcinoma in a colon conduit urinary diversion. Chiang MS, et al. **J Urol** 1982 Jun;127(6):1185–7
Funneled ureteroileal anastomosis. Fall M, et al. **J Urol** 1982 Aug;128(2):249–51
Technique for antirefluxing ureterocolonic anastomosis. Menon M, et al. **J Urol** 1982 Feb;127(2):236–7
Further experience with the ileocecal segment in urinary reconstruction. Skinner DG. **J Urol** 1982 Aug;128(2):252–6
Pyelocutaneous colon conduit. Todd IA. **J Urol** 1982 Jun; 127(6):1183–4
Renal stone extraction through a percutaneous nephrostomy in a renal transplant patient. Fisher MF, et al. **Radiology** 1982 Jul;144(1):95–6
Management of bilharzial strictures of the lower ureter. Bazeed MA, et al. **Urol Int** 1982;37(1):19–25
Percutaneous nephropyelostomy under continuous real-time ultrasound guidance. Heckemann R, et al. **Urol Radiol** 1981; 3(3):171–5
[Ileal conduit diversion: clinical analysis of 133 cases (author's transl)] Xue ZY. **Chung Hua Wai Ko Tsa Chih** 1982 Mar; 20(3):158–60 **(Chi)**
[Vesicorectostomy] Koskela E. **Duodecim** 1981;97(15):1184–6 **(Fin)**
[Transureterostomy in urological reoperations] Simon J, et al. **Acta Urol Belg** 1981 Oct;49(4):432–40 (Eng. Abstr.) **(Fre)**
[Role of urinary diversion in pyeloplasty (author's transl)] Homsy Y, et al. **Chir Pediatr** 1982 Jan-Feb;23(1):37–42 (Eng. Abstr.) **(Fre)**
[Management of the upper urinary tract in boys with posterior urethral valves (65 cases) (author's transl)] Mollard P, et al. **Chir Pediatr** 1981;22(6):411–5 (Eng. Abstr.) **(Fre)**
[Results of uretero-colonic anastomoses in the child using Mathisen' technique (author's transl)] Brueziére J, et al. **J Urol (Paris)** 1982;88(2):129–34 (Eng. Abstr.) **(Fre)**

[The psoas bladder. Experience with 88 operations (author's transl)] Cukier J, et al. **J Urol (Paris)** 1981;87(8):507–13 (Eng. Abstr.) **(Fre)**

[Percutaneous nephrostomy in utero for bilateral foetal hydronephrosis] Dumez Y, et al. **Nouv Presse Med** 1982 May 15;11(23):1787–9 (Eng. Abstr.) **(Fre)**

[Cutaneous ureteroileostomy in myelodysplasia] Gottschalk E, et al. **Padiatr Grenzgeb** 1981;20(5):283–94 (Eng. Abstr.) **(Ger)**

[Internal ureteric drainage by antegrade ureteric splinting (author's transl)] Günther R, et al. **ROFO** 1980 Nov; 133(5):479–84 (Eng. Abstr.) **(Ger)**

[Experience with 'internal and external urinary diversion' in operative treatment of renal and ureteral stones (author's transl)] Böcker R, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):241–5 (Eng. Abstr.) **(Ger)**

[External urinary diversion for ureteral obstruction. A simple technical procedure (author's transl)] Sommerkamp H. **Urologe [Ausg A]** 1982 Mar;21(2):106–7 (Eng. Abstr.) **(Ger)**

[Experience with artificial urine diversion in children by means of an ileum bladder on the basis of 22 cases (author's transl)] Gysler R, et al. **Z Kinderchir** 1982 Mar;35(3):103–5 (Eng. Abstr.) **(Ger)**

[Reconstruction with intestinal segments after total cystectomy (review of cases)] Picardi N, et al. **Ann Ital Chir** 1981;53(2):235–46 (12 ref.) **(Ita)**

[Proposed new variant of ureterosigmoidostomy. Theoretical principles and preliminary results] Milani R, et al. **Minerva Urol** 1981 Jul–Sep;33(3):153–62 (Eng. Abstr.) **(Ita)**

[Trans-appendix continent vesicostomy (author's transl)] Ricci S, et al. **Pediatr Med Chir** 1981 Mar–Jun; 3(2–3):209–12 (Eng. Abstr.) **(Ita)**

[Investigation of the cutaneous transureteroureterostomy (cutaneous synadelpho ureterostomy) in adults (author's transl)] Fujita J, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr;72(4):445–51 (Eng. Abstr.) **(Jpn)**

[A clinical study on ureterosigmoidostomy and ureterorectostomy (author's transl)] Hoshino Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct;72(10):1227–37 (Eng. Abstr.) **(Jpn)**

[Urinary diversion] Amundsen N, et al. **Tidsskr Nor Laegeforen** 1981 Sep 10;101(25):1375–7 (Eng. Abstr.) **(Nor)**

[Bilateral high ligation of the ureters after gynecological surgery] Olszewski S, et al. **Ginekol Pol** 1981 Sep; 52(9):833–6 (Eng. Abstr.) **(Pol)**

[Value of the ring-shaped uretero-cutaneous fistula in supracystic urinary diversion in children] Borówka A, et al. **Pediatr Pol** 1981 Jul;56(7):831–3 (Eng. Abstr.) **(Pol)**

[Morphological study of the mucous membrane of the ileal loop in supracystic urinary diversion using Bricker s method] Kłos J, et al. **Pediatr Pol** 1981 Nov–Dec; 56(11–12):1265–75 (Eng. Abstr.) **(Pol)**

[Current methods of temporary supracystic urinary diversion in children] Borówka A, et al. **Pol Tyg Lek** 1981 Oct 12; 36(41):1573–5 (Eng. Abstr.) **(Pol)**

[Remote results of supracystic urinary diversion in children by the Bricker's method] Gruchalski J. **Wiad Lek** 1981 Jun 15;34(12):977–83 (Eng. Abstr.) **(Pol)**

[Reconstructive operations on the pyeloureteral junction in patients with a solitary kidney] Witeska A, et al. **Wiad Lek** 1981 Sep 15;34(18):1529–32 (Eng. Abstr.) **(Pol)**

[Urodynamics of the upper urinary tracts after cystectomy] Sitdykova ME. **Urol Nefrol (Mosk)** 1981;(5):15–9 (Eng. Abstr.) **(Rus)**

[Method of tunnel replantation of the ureter into the bladder] Roman LI. **Vestn Khir** 1981 Sep;127(9):69–72 **(Rus)**

[Puncture instrument–tunnel method of ureterosigmostomy] Roman LI. **Vestn Khir** 1982 Apr;128(4):127–31 **(Rus)**

[Nephrostomy. A new technic] Valdés R, et al. **Arch Esp Urol** 1982 Mar–Apr;35(2):73–8 (Eng. Abstr.) **(Spa)**

NURSING

Urinary stomas. Part 2: Stoma care. Rodriguez DB. **Clin Gastroenterol** 1982 May;11(2):318–26

PSYCHOLOGY

[Psycho-social reintegration of the urostoma patient] Studer U, et al. **Schweiz Med Wochenschr** 1981 Nov 28; 111(48):1834–9 (Eng. Abstr.) **(Ger)**

STANDARDS

[Functional dynamics of obstructive ileal conduits in children (author's transl)] Festge OA, et al. **Z Kinderchir** 1981 Nov; 34(3):260–9 (Eng. Abstr.) **(Ger)**

URINARY FISTULA

COMPLICATIONS

A case of uretero-arterial fistula. Goldberg PL, et al. **Br J Urol** 1982 Apr;54(2):196

The coexistence of Wilms' tumor and imperforate anus with rectourethral fistula. Early CK, et al. **J Pediatr Surg** 1981 Oct;16(5):756–7

[A spontaneous fistula between an aneurysm of the iliac artery and the right ureter – a case report] Lastre Roye V, et al. **Z Urol Nephrol** 1982 Jan;75(1):43–6 (Eng. Abstr.) **(Ger)**

CONGENITAL

[Congenital anterior urethral fistulas (author's transl)] Merlini E, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):223–4 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Patent urachus complicating pregnancy: a review and report of a case. Nielsen TP, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):61–8

[Pyeloduodenal fistula] Nguyen HZ. **Khirurgiia (Mosk)** 1981 Sep;(9):115 **(Rus)**

ETIOLOGY

Recto-urethral fistula in Crohn's disease. Rampton DS, et al. **Br J Surg** 1982 Apr;69(4):233

Iliourereteric fistula. Joost J, et al. **Br J Urol** 1981 Oct;53(5):477

Uretero-appendiceal fistula, a complication of radical hysterectomy. Nissenkorn I, et al. **Br J Urol** 1982 Apr; 54(2):193

Nephrocutaneous fistula. Karfopoulos AS, et al. **J Med Soc NJ** 1981 May;78(5):379–80

A case report: ureterouterine fistula as a complication of elective abortion. Keegan GT, et al. **J Urol** 1982 Jul; 128(1):137–8

Urethrocavernosus fistula. Ochsner MG, et al. **J Urol** 1982 Jun;127(6):1190

Spontaneous ureteroileal colostomy. Persky L, et al. **J Urol** 1982 Apr;127(4):769–71

Urinary fistulas in Crohn's disease. Talamini MA, et al. **Surg Gynecol Obstet** 1982 Apr;154(4):553–6

[Urinary fistula after kidney allotransplantation] Hahn M, et al. **Rozhl Chir** 1981 Jul;60(7):485–8 (Eng. Abstr.) **(Cze)**

[Broncho–reno–cutaneous fistula. Etiopathogenicity and possible therapy. A case report (author's transl)] Abet D, et al. **J Chir (Paris)** 1981 Jul–Aug;118(6–7):417–9 (Eng. Abstr.) **(Fre)**

[Spontaneous renocolic fistula from lithiasic pyonephrosis (author's transl)] Davillas N, et al. **J Urol (Paris)** 1981; 87(5):269–72 (Eng. Abstr.) **(Fre)**

[Urethral fistulas after circumcision: apropos of 15 cases] Benchekroun A, et al. **Maroc Med** 1981 Jun–Oct; 3(2–3):715–8 (Eng. Abstr.) **(Fre)**

[Uretero-vaginal fistula following cesarean section] Rosdy E, et al. **Orv Hetil** 1982 Apr 4;123(14):857–8 **(Hun)**

[Spontaneous fistulization of abscessed staghorn calculosis] Alcini E, et al. **Minerva Urol** 1981 Jul–Sep;33(3):195–202 **(Ita)**

[Spontaneous pneumopyelography: ureterocolic fistula caused by rectosigmoid carcinoma] Virseda JA, et al. **Arch Esp Urol** 1981 Jul–Aug;34(4):289–96 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Renoduodenal fistula involving an ectopic kidney. Schreiber S, et al. **J Belge Radiol** 1981;64(3):277–80

[Rare complications in chronic pyelonephritis (author's transl)] Drechslerová J, et al. **Cesk Radiol** 1982 May; 36(3):197–202 **(Cze)**

[Reno–gastric fistula: case report and review] Sacerdoti S, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):78–80 (7 ref.) **(Ita)**

RADIONUCLIDE IMAGING

Demonstration of ureteroenteric fistula by MDP imaging. Wechsler RJ, et al. **Clin Nucl Med** 1982 Feb;7(2):75–6

SURGERY

A method of closing urethral fistulae using a purse-string or interrupted silk sutures. Fatah MF. **Br J Plast Surg** 1982 Jan;35(1):102–3

Double-breasted technique for the repair of urethral fistulas after hypospadias surgery. Lau JT, et al. **Br J Urol** 1982 Apr;54(2):111–3

Subglandular urethral fistula following circumcision: repair by the advancement method. Lau JT, et al. **J Urol** 1981 Nov;126(5):702–3

The development of microsurgical techniques in experimental and clinical repair of urethrocutaneous fistulas. Masterson JS, et al. **J Urol** 1982 Aug;128(2):285–6

Interposing fascial pedicle flap for the repair of urethral fistulae after hypospadias surgery. Lau JT, et al. **Plast Reconstr Surg** 1982 Aug;70(2):206–9

Simplified closure of hypospadias fistulas. Goldstein HR, et al. **Urology** 1981 Nov;18(5):504–5

[A study on the operative methods for several types of complicated urinary fistulae (author's transl)] Yan ZZ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):96–9 **(Chi)**

[Spontaneous nephro–cutaneous fistula due to nephrolithiasis: report of 9 cases (author's transl)] Li YK. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):490–1 (Eng. Abstr.) **(Chi)**

[Treatment of uretero-vaginal fistula by percutaneous nephrostomy and ureteral stent] Courtois C. **Acta Urol Belg** 1982 Jan;50(1):76–86 (Eng. Abstr.) (Fre)

[Therapy of gynecologic urinary tract injuries] Praetorius M, et al. **Fortschr Med** 1981 Oct 22;99(40):1653–7 (Ger)

[Closure of large vesico—urethra—vaginal defect with pedicled myocutaneous gracilis flap (author's transl)] Tölle E, et al. **Urologe [Ausg A]** 1981 Sep;20(5):274–7 (Eng. Abstr.) **(Ger)**

[Postoperative urethrorectal fistula and closure by Kraske's approach] Ginesin Y, et al. **Harefuah** 1981 Sep; 101(5–6):114–5 (Eng. Abstr.) **(Heb)**

THERAPY

Renal embolisation for urinary fistula caused by irreparable ureteric injury. May AR, et al. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1086–7

Arteriographic management of traumatic arteriocalyceal fistula. Sclafani SJ, et al. **Urol Radiol** 1981;3(3):177–9

URINARY INCONTINENCE

Urinary incontinence in the elderly. Freed SZ. **Hosp Pract** 1982 Mar;17(3):81–94

Urine collection in incontinent patients [letter] Waddell WR. **Lancet** 1982 Aug 14;2(8294):394

Female incontinence. Proceedings of the First Joint Meeting of the International Continence Society and the Urodynamics Society. Los Angeles, California, October 9–12, 1980. **Prog Clin Biol Res** 1981;78:1–413

The evaluation and treatment of urinary incontinence in the elderly. Keegan GT, et al. **Surg Clin North Am** 1982 Apr; 62(2):261–74

Urinary incontinence in the elderly. Ouslander JG. **West J Med** 1981 Dec;135(6):482–91 (59 ref.)

[Classification, examination methods and treatment possibilities in urinary incontinence] Hald T, et al. **Nord Med** 1981 Dec;96(12):299–303 **(Dan)**

[Female functional urinary incontinence] Renziehausen K, et al. **Z Urol Nephrol** 1981 Aug;74(8):617–26 (55 ref.) **(Ger)**

CHEMICALLY INDUCED

Urinary incontinence and neuroleptics [letter] Ambrosini PJ, et al. **Am J Psychiatry** 1982 Apr;139(4):539

Prazosin as cause of urinary incontinence. Kiruluta GH, et al. **Urology** 1981 Dec;18(6):618–9

Prazosin and urinary incontinence [letter] Leach GE, et al. **Urology** 1982 Apr;19(4):454–5

CONGENITAL

The urological evaluation and management of patients with congenital lower urinary tract anomalies prior to renal transplantation. Marshall FF, et al. **J Urol** 1982 Jun; 127(6):1078–81

DIAGNOSIS

The unstable female urethra. Ulmsten U, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):93–7

Urinary incontinence and genital prolapse in the female: clinical, urodynamic and radiological examinations. Walter S, et al. **Br J Obstet Gynaecol** 1982 May;89(5):393–401

Feminine urinary incontinence and urodynamic examination. Porena M, et al. **Clin Exp Obstet Gynecol** 1981;8(3):96–102

The significance of the stop test in female urinary incontinence. Frigerio L, et al. **Diagn Gynecol Obstet** 1981 Winter;3(4):301–4

The management of urinary incontinence. Barnard RJ. **Int Rehabil Med** 1982;4(1):21–6

Assessment of urinary continence in epispadias: review of 94 patients. Kramer SA, et al. **J Urol** 1982 Aug;128(2):290–3

Technique for detection of detrusor hypertonia in the presence of urethral sphincteric incompetence. Woodside JR, et al. **J Urol** 1982 Apr;127(4):740–3

Urinary Incontinence: New methods of diagnosis and treatment. Pierson CA. **JOGN Nurs** 1981 Nov–Dec; 10(6):407–13

A longterm study of the urodynamics of the untreated unstable bladder. Booth CM, et al. **Prog Clin Biol Res** 1981; 78:205–10

The static urethral closure pressure profile in female incontinence. A comparison between sphincter and detrusor incontinence. de Jonge MC, et al. **Prog Clin Biol Res** 1981;78:231–8

The accuracy of clinical diagnoses assessed urodynamically. Powell PH, et al. **Prog Clin Biol Res** 1981;78:201–3

Telemetric urodynamic investigations in female incontinence. Thüroff JW, et al. **Prog Clin Biol Res** 1981;78:211–22

[The anamnesis in urinary incontinence in women] de Laat WN, et al. **Ned Tijdschr Geneeskd** 1981 Nov 14; 125(46):1890–1 **(Dut)**

[The clinical significance of the unstable bladder (author's transl)] Bänninger U, et al. **Geburtshilfe Frauenheilkd** 1981 Aug;41(8):540–3 (Eng. Abstr.) **(Ger)**

[Experiences with a new questionnaire for preoperative evaluation of female urinary incontinence (author's transl)] Riss P, et al. **Wien Med Wochenschr** 1981;131(13–14):353–5 (Eng. Abstr.) **(Ger)**

[Urodynamic examination results for the determination of urge urinary incontinence in the woman] Voigt R, et al. **Z Urol Nephrol** 1981 Sep;74(9):651–6 (Eng. Abstr.) **(Ger)**

[Interpretation and meaning of urethrocystographic findings in the diagnosis of urinary incontinence in women] Voigt R, et al. **Z Urol Nephrol** 1981 Dec;74(12):873–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

The lack of effect of intramuscular emepronium bromide for urinary incontinence. Perera GL, et al. **Br J Urol** 1982 Jun;54(3):259–60

Urinary incontinence in old age. A controlled clinical trial of emepronium bromide. Walter S, et al. **Br J Urol** 1982 Jun;54(3):249–51

Conservative treatment of urinary incontinence in women with special reference to the use of oestrogens. Punnonen R, et al. **Maturitas** 1981 Dec;3(3–4):309–13

[The effects of drugs on vesico-urethral function] Gerstenberg TC, et al. **Nord Med** 1981 Dec;96(12):310–2 (Eng. Abstr.) **(Dan)**

[Treatment of Motor urge incontinence with Clenbuterol (author's transl)] Grüneberger A, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):266–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Urological complications of traumatic diastasis of the symphysis pubis in the female. Stanton SL, et al. **Br J Urol** 1981 Oct;53(5):453–4

Urological aspects of diabetes. Manning NT, et al. **Int Rehabil Med** 1982;4(1):52–4

Factors associated with urinary incontinence in women. Yarnell JW, et al. **J Epidemiol Community Health** 1982 Mar;36(1):58–63

Incontinence in the female patient. Densmore M. **J Fam Pract** 1982 May;14(5):935–6, 938, 940 passim

Management of urinary incontinence in patients with multiple sclerosis. Thomas TM, et al. **J R Coll Gen Pract** 1981 May; 31(226):296–8

Long-term urinary and sexual problems in a patient with sarcoma botryoides. Silverstone AC, et al. **J R Soc Med** 1981 Dec;74(12):923–5

Giggle incontinence. Rogers MP, et al. **JAMA** 1982 Mar 12;247(10):1446–8

Giggle incontinence [editorial] **Lancet** 1982 May 1; 1(8279):1000–1

Bladder incontinence: four types and their control. Wheatley JK. **Postgrad Med** 1982 Jan;71(1):75–8, 82

[Urinary incontinence in females] Walter S, et al. **Nord Med** 1981 Dec;96(12):304–6 (Eng. Abstr.) **(Dan)**

[Female epispadias (author's transl)] Moussu J, et al. **J Urol (Paris)** 1981;87(5):305–7 (Eng. Abstr.) **(Fre)**

[Urinary incontinence after prostate surgery (author's transl)] Richaud C, et al. **J Urol (Paris)** 1981;87(9):603–10 (Eng. Abstr.) **(Fre)**

[Incontinence following prostatic surgery (author's transl)] Hamann F, et al. **Urologe [Ausg A]** 1982 May;21(3):162–5 **(Ger)**

[Bladder dysfunction in pregnancy (author's transl)] Spernol R, et al. **Wien Klin Wochenschr** 1982 Feb 5;94(3):75–7 (Eng. Abstr.) **(Ger)**

[Urodynamic investigations of bladder disturbances in imperforate anus and Hirschsprung's disease) (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1982 Feb; 35(2):64–8 (Eng. Abstr.) **(Ger)**

[Involuntary ureteral enuresis] Borówka A, et al. **Wiad Lek** 1982 May 1;35(3–4):207–10 **(Pol)**

[Urinary incontinence in males] Alfthan O. **Nord Med** 1981 Dec;96(12):303–4 **(Swe)**

NURSING

Changing attitudes in the management of urinary incontinence–the need for specialist nursing. Shepherd AM, et al. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):645–6

A new double-layered launderable bed sheet for patients with urinary incontinence. Williams TF, et al. **J Am Geriatr Soc** 1981 Nov;29(11):520–4

[Aids in urinary incontinence] Glahn BE, et al. **Nord Med** 1981 Dec;96(12):312–5 (Eng. Abstr.) **(Dan)**

OCCURRENCE

Incontinence in the Social Services' residential homes for the elderly. Masterton G. **Int Rehabil Med** 1982;4(1):33–5

Urinary incontinence in elderly nursing home patients. Ouslander JG, et al. **JAMA** 1982 Sep 10;248(10):1194–8

Urinary incontinence in the elderly at home. Vetter NJ, et al. **Lancet** 1981 Dec 5;2(8258):1275–7

[Urinary incontinence—a widespread medical problem] Otnes B. **Nord Med** 1981 Dec;96(12):297–8 **(Nor)**

PHYSIOPATHOLOGY

Urethral pressure profiles following radical hysterectomy. Sasaki H, et al. **Obstet Gynecol** 1982 Jan;59(1):101–4

Female incontinence. Evaluations: Where have we been? Where are we? Where should we go from here? **Prog Clin Biol Res** 1981;78:17–63

Detrusor activity during micturition in female patients. George NJ, et al. **Prog Clin Biol Res** 1981;78:73–6

Pelvic floor function in women with detrusor instability. Mayo ME. **Prog Clin Biol Res** 1981;78:91–9

Sympathetic influence on striated urethral sphincter in urinary incontinence. Nordling J, et al. **Prog Clin Biol Res** 1981;78:101–3

The relation between female incontinence and an extremely high maximal contraction velocity of the urinary bladder. van Mastrigt R, et al. **Prog Clin Biol Res** 1981;78:67–71

Urodynamics and the study of female incontinence: the state of the art as perceived by an outsider, with a modest proposal or, whither incontinence research. Yates FE. **Prog Clin Biol Res** 1981;78:1–14

[An urethromanometric study using micro-pressures gauges for female urinary incontinence. A definition of the index of continence. Applications (author's transl)] Petipré C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):785–95 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

The prevention of incontinence. Millard PH. **Practitioner** 1981 Dec;225(1362):1739–43

PSYCHOLOGY

The effects of urinary incontinence in women. Norton C. **Int Rehabil Med** 1982;4(1):9–14

RADIOGRAPHY

[The lateral urethrocystogram for the diagnosis of urinary incontinence in the female] Voigt R, et al. **ROFO** 1982 Feb;136(2):211–2 **(Ger)**

[Method of colpo-urethrocystography. Part III: Pros and contras on use of barium-sulphate suspensions in cystography for diagnosis of urinary incontinence (author's transl)] Abet L, et al. **Zentralbl Gynakol** 1981; 103(22):1395–9 (Eng. Abstr.) **(Ger)**

[Method of colpo-urethrocystography. Part I: Method-dependent reproducibility and interpretation of colpo-urethrocystograms - comparison between chain and wick techniques (author's transl)] Abet L, et al. **Zentralbl Gynakol** 1981;103(22):1373–82 (Eng. Abstr.) **(Ger)**

[Method of colpo-urethrocystography. Part II: Physico-technical conditions for optimum colpo-urethrocystography (author's transl)] Richter J, et al. **Zentralbl Gynakol** 1981;103(22):1383–94 (Eng. Abstr.) **(Ger)**

REHABILITATION

Self-catheterization training of a child with myelomeningocele (toileting independence, incontinent children). Clarkson JD. **Am J Occup Ther** 1982 Feb; 36(2):95–8

Disability and incontinence. Mandelstam D. **Int Rehabil Med** 1982;4(1):3–7

SURGERY

Clinical and urodynamic effects of anterior colporrhaphy and vaginal hysterectomy for prolapse with and without incontinence. Stanton SL, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):459–63

Correction of total incontinence in male and female epispadias. Kramer SA, et al. **J Pediatr Surg** 1981 Dec; 16(6):812–6

Treatment of urinary incontinence with the artificial sphincter. Bruskewitz R, et al. **J Urol** 1981 Oct; 126(4):469–72

Implantation of a new semiautomatic artificial genitourinary sphincter: experience with primary activation and deactivation in 47 patients. Furlow WL. **J Urol** 1981 Dec; 126(6):741–4

Long-term results with the Kaufman prosthesis. Graham SD Jr, et al. **J Urol** 1982 Aug;128(2):328–30

Implantation of a new semi-automatic artificial genitourinary sphincter: experience with patients utilizing a new concept of primary and secondary activation. Barrett DM, et al. **Prog Clin Biol Res** 1981;78:375–86

Incontinence surgery in females with motor urge incontinence. Meyhoff HH, et al. **Prog Clin Biol Res** 1981; 78:347–50

Artificial urinary sphincter for incontinent children. Hanna MK. **Urology** 1981 Oct;18(4):370–3

Surgical results with artificial urinary sphincter. Malloy TR, et al. **Urology** 1982 Jun;19(6):602–5

[The results of measurement of postoperative urethrovesical profiles in women suffering with urinary incontinence (author's transl)] Sindlář M, et al. **Cesk Gynekol** 1981 Feb; 46(1):31–4 (Eng. Abstr.) **(Cze)**

[Urinary continence prosthesis. 6 years' experience] Hald T. **Ugeskr Laeger** 1981 Mar 23;143(13):806–10 (Eng. Abstr.) **(Dan)**

[The surgical treatment of incontinence in the male (author's transl)] Abourachid H, et al. **J Urol (Paris)** 1981; 87(9):587–97 (Eng. Abstr.) **(Fre)**

[Persistent urinary incontinence after posterior urethral valve endoscopic section in boys. Urodynamic study (author's transl)] Ruarte AC, et al. **J Urol (Paris)** 1981;87(5):309–15 (Eng. Abstr.) **(Fre)**

[Reconstructive surgery in the genital region] **Gynakol Rundsch** 1981;21 Suppl 2:41–89 **(Ger)**

[Reconstructive surgery] Dapunt O, et al. **Gynakol Rundsch** 1981;21 Suppl 2:41–7 **(Ger)**

[Artificial implantable sphincter in urinary incontinence] Dahl E, et al. **Tidsskr Nor Laegeforen** 1981 Aug 10; 101(22):1197–1200 (Eng. Abstr.) **(Nor)**

[Complete urinary incontinence treated by the Marshall-Marchetti-Krantz method] Zieba Z, et al. **Ginekol Pol** 1981 Jan;52(1):89–90 (Eng. Abstr.) **(Pol)**

THERAPY

Management of neuropathic urinary incontinence in children by intermittent catheterisation. Scott JE, et al. **Arch Dis Child** 1982 Apr;57(4):253–8

A controlled trial of bladder drill and drug therapy in the management of detrusor instability. Jarvis GJ. **Br J Urol** 1981 Dec;53(6):565–6

Pads and pants for urinary incontinence. Bainton D, et al. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):419–20

Hypnotherapy for incontinence caused by the unstable detrusor. Freeman RM, et al. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1831–4

The management of incontinence: present and future. Report of a two-day Science Research Council meeting. Glen ES. **Int Rehabil Med** 1982;4(1):49–51

Incontinence: a major multidisciplinary problem. Glen ES. **Int Rehabil Med** 1982;4(1):1–2

Simple practical techniques in the management of urinary incontinence. Shepherd A, et al. **Int Rehabil Med** 1982; 4(1):15–9

Urinary incontinence. Feneley RC, et al. **J R Coll Physicians Lond** 1982 Apr;16(2):89–93

The bladder in multiple sclerosis. Jameson RM. **J R Soc Med** 1982 Feb;75(2):75–6

Evolved improvements in placement of the silicone gel prosthesis for post-prostatectomy incontinence. Confer DJ, et al. **J Urol** 1981 Nov;126(5):605–8

Prostheses for incontinence [letter] Hald T. **J Urol** 1981 Nov; 126(5):707

Periurethral polytetrafluoroethylene injection for urinary incontinence. Politano VA. **J Urol** 1982 Mar;127(3):439–42

Electronic bladder stimulation in the management of children with myelomeningocele. Wheatley JK, et al. **J Urol** 1982 Feb;127(2):283–5

Pubovaginal sling procedure for the management of urinary incontinence in a myelodysplastic girl. Woodside JR, et al. J Urol 1982 Apr;127(4):744–6

Treatment of urinary incontinence in the geriatric patient. Manfrev SJ, et al. **JAOA** 1982 Jun;81(10):691–6

Noncatheter devices for urinary incontinence in the elderly. Brocklehurst JC. **Med Instrum** 1982 May-Jun;16(3):167–8

Electric stimulation for the control of micturition. Rajaratnam MR. **NZ Med J** 1982 Jun 9;95(709):390–1

Incontinence in old age. Wright W. **Practitioner** 1981 Sep; 225(1359):1305–6

Maximal electrical stimulation for female urinary incontinence. Janez J, et al. **Prog Clin Biol Res** 1981; 78:369–72

The treatment of incontinence due to detrusor instability by bladder drill. Jarvis GJ, et al. **Prog Clin Biol Res** 1981; 78:341–3

Planning a clinical trial. Thomas TM, et al. **Prog Clin Biol Res** 1981;78:339

Transcatheter renal artery embolization in treatment of severe urgency and incontinence in bladder metastases. Gordon RL, et al. **Urology** 1982 Jun;19(6):666–8

[Towards early functional treatment of urinary incontinence after prostatectomy (author's transl)] Moulonguet A, et al. **J Urol (Paris)** 1981;87(9):599–602 (Eng. Abstr.) **(Fre)**

[Therapy of urine incontinence by electro-stimulation (author's transl)] Tischer W, et al. **Padiatr Padol** 1982; 17(1):73–85 (Eng. Abstr.) **(Ger)**

[Experience with transrenal ureteral occlusion (author's transl)] Wanner K, et al. **Urologe [Ausg A]** 1981 Sep; 20(5):265–8 (Eng. Abstr.) **(Ger)**

[Endourethral teflon injection for the treatment of urinary incontinence] Kaden W. **Z Urol Nephrol** 1981 Dec; 74(12):879–81 (Eng. Abstr.) **(Ger)**

[Comparison between urodynamic findings obtained prior to and during treatment of women for urinary urge incontinence (author's transl)] Voigt R, et al. **Zentralbl Gynakol** 1981;103(22):1357–63 (Eng. Abstr.) **(Ger)**

[Use of vaginal electrostimulation in urinary incontinence] Fischer W, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):32–3 **(Rus)**

[Urinary incontinence in children] Gierup J. **Nord Med** 1981 Dec;96(12):307–9 **(Swe)**

VETERINARY

Urinary incontinence in a pony mare. Attenburrow DP, et al. **Equine Vet J** 1981 Jul;13(3):206–8

Diagnosis of urinary incontinence in dogs: role of the urethral pressure profile. Rosin AE, et al. **J Am Vet Med Assoc** 1981 Apr 15;178(8):814–22

URINARY INCONTINENCE, STRESS

DIAGNOSIS

Detrusor instability score in the evaluation of stress urinary incontinence. Kauppila A, et al. **Acta Obstet Gynecol Scand** 1982;61(2):137–41

Urodynamics in female stress incontinence of urine. Diagnostic and pathophysiological aspects. Kujansuu E, et al. **Arch Gynecol** 1981;231(1):23–32

Urodynamic findings following surgery in women with urinary stress incontinence. III. Communication: A modified Marshall-Marchetti-Krantz procedure. Peters FD, et al. **Arch Gynecol** 1981;230(4):299–306

Diagnosis of bladder neck incompetence without use of

capital equipment. Shawer M, et al.
Br Med J [Clin Res] 1981 Sep 19;283(6294):760–1
Urodynamic in the diagnosis and treatment of urinary stress incontinence. Giacobini S, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):5–10
Stress urinary incontinence: a practical protocol for dx and tx. Witherington R. **Geriatrics** 1982 May;37(5):38–43, 47
The static urethral closure pressure profile in female incontinence. A comparison between sphincter and detrusor incontinence. de Jonge MC, et al.
Prog Clin Biol Res 1981;78:231–8
The rate of increase in urinary flow rate during micturition: a valuable urodynamic parameter for the diagnosis and differentiation of abnormalities of micturition in women. von Fischer B, et al. **Prog Clin Biol Res** 1981;78:223–30
[Diagnostic potentials of cystoscopy in urinary incontinence] Doganov N. **Akush Ginekol (Sofiia)** 1981;20(6):459–63 (Eng. Abstr.) **(Bul)**
[Static and dynamic urethral profiles in the diagnosis of urinary stress incontinence in women] Hublet D, et al.
Acta Urol Belg 1982 Jan;50(1):119–24 (Eng. Abstr.) **(Fre)**
[Clinical anatomic and urodynamic investigations in stress-incontinence women (author's transl)] Geier G, et al. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):679–82 (Eng. Abstr.) **(Ger)**
[Urological investigation in women with stress incontinence prior and following anterior colporrhaphy and in control patients (author's transl)] Voigt R, et al.
Geburtshilfe Fraunheilkd 1982 May;42(5):399–402 (Eng. Abstr.) **(Ger)**
[Experiences with a new questionnaire for preoperative evaluation of female urinary incontinence (author's transl)] Riss P, et al. **Wien Med Wochenschr** 1981;131(13–14):353–5 (Eng. Abstr.) **(Ger)**
[Relevance of urethral pressure profile to diagnosis of stress incontinence (author's transl)] Voigt R, et al.
Zentralbl Gynakol 1981;103(22):1348–56 (Eng. Abstr.) **(Ger)**
[Cystography in female incontinence] Ballerini G, et al.
Minerva Ginecol 1981 Sep;33(9):831–40 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Distigmine bromide and stress incontinence in women. Shah PJ, et al. **Prog Clin Biol Res** 1981;78:329–34
[The conservative treatment of stress incontinence in women with midodrine] Riccabona M. **Wien Klin Wochenschr** 1981 Mar 6;93(5):163–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Prevalence of stress incontinence among women delivered by elective cesarian section. Iosif CS, et al.
Int J Gynaecol Obstet 1982 Apr;20(2):87–9
[Urinary incontinence in women] Vargas F, et al.
Rev Chil Obstet Ginecol 1980;45(4):182–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Cytosol estrogen receptors in the urogenital tissues in stress-incontinent women. Ingelman-Sundberg A, et al.
Acta Obstet Gynecol Scand 1981;60(6):585–6

PATHOLOGY

[Stress incontinence in women] Kremling H.
Med Klin [Prax] 1982 Jun 18;77(13):36–9, 42 **(Ger)**

PHYSIOPATHOLOGY

Urinary cerebral-evoked potentials mediated through urethral sensory nerves—a preliminary report. Gerstenberg T, et al. **Prog Clin Biol Res** 1981;78:141–3
Hydrodynamics of micturition in stress-incontinent women. Comparisons of pressure and flow at different micturition volumes in stress-incontinent and continent women. Sjöberg B, et al. **Scand J Urol Nephrol** 1982;16(1):1–9
Urodynamic studies before and after retropubic urethropexy for stress incontinence in females. Beisland HO, et al.
Surg Gynecol Obstet 1982 Sep;155(3):333–6
Incompetent urethral closure mechanism in females. Experimental and clinical studies with special reference to diagnosis and classification. Fossberg E, et al. **Urol Int** 1982; 37(1):34–41
A planimetric study on the female urethral closure pressure profile. Mortensen S, et al. **Urol Int** 1982;37(2):134–8
[Urodynamic findings in women after surgery for stress incontinence: urethrovesical suspension according to Pereyra (author's transl)] Peters FD, et al. **Urol Int** 1981; 36(5):315–21 (Eng. Abstr.) **(Ger)**
[Urodynamic findings in various degrees of female stress incontinence] Voigt R, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):88–90 **(Ger)**

RADIOGRAPHY

Pre- and postoperative bead chain urethrocystography in female stress urinary incontinence. Ala-Ketola L, et al.
Acta Obstet Gynecol Scand 1981;60(4):369–74

SURGERY

Results in treating 88 cases of recurrent urinary stress incontinence with the Oxford fascia lata sling procedure. Beck RP, et al. **Am J Obstet Gynecol** 1982 Mar 15;142(6 Pt 1):649–51
Fascia lata paraurethrovesical suspension for the correction of stress urinary incontinence in the woman. Smith JL.
Am J Surg 1982 May;143(5):542–4
Operative management of stress urinary incontinence. Kaufman JM. **J Urol** 1981 Oct;126(4):465–8
The comparative medical costs of 2 major procedures available for the treatment of stress urinary incontinence. Loughlin KR, et al. **J Urol** 1982 Mar;127(3):436–8
Primary management of urinary stress incontinence by the Marshall–Marchetti–Krantz vesicourethropexy. Parnell JP 2d, et al. **J Urol** 1982 Apr;127(4):679–82
Treatment of urinary stress incontinence with anterior colporrhaphy. Beck RP, et al. **Obstet Gynecol** 1982 Mar; 59(3):269–74
Retropubic vaginopexy for correction of urinary stress incontinence. Muzsnai D, et al. **Obstet Gynecol** 1982 Jan; 59(1):113–8
Pubourethral supports in perspective: modified pereyra procedure for urinary incontinence. Pereyra AJ, et al.
Obstet Gynecol 1982 May;59(5):643–8
The impact of bladder neck suspension on the mode of distribution of abdominal pressure along the female urethra. Constantinou CE, et al. **Prog Clin Biol Res** 1981;78:121–32
Urodynamic findings in patients after failure of stress incontinence operations. McGuire EJ.
Prog Clin Biol Res 1981;78:351–60
Long-term results of the abdominal levator ani muscle repair in female urinary incontinence. Mortensen S, et al.
Prog Clin Biol Res 1981;78:365–8
Stress urinary incontinence pre- and postoperative urodynamic evaluation. Walter S, et al.
Prog Clin Biol Res 1981;78:361–4
Hydrodynamics of micturition following Marshall–Marchetti–Krantz procedure for stress urinary incontinence. Sjöberg B. **Scand J Urol Nephrol** 1982; 16(1):11–20
Fascial sling for stress urinary incontinence. Kaufman JM. **South Med J** 1982 May;75(5):555–8
Retropubic colpourethrocystopexy. Iosif CS. **Urol Int** 1982; 37(2):125–9
Clinical and urodynamic evaluation of urethrocystopexy for stress urinary incontinence: preliminary report. Tenaillon M, et al. **Urology** 1981 Nov;18(5):527–30
[Surgical treatment of urinary stress incontinence] Doganov N. **Akush Ginekol (Sofiia)** 1981;20(4):325–31 (Eng. Abstr.) **(Bul)**
[Marshall–Marchetti–Khrantz operation for stress incontinence. 100 cases (author's transl)] Sarramon JP, et al. **J Urol (Paris)** 1981;87(8):515–22 (Eng. Abstr.) **(Fre)**
[The treatment of stress incontinence of urine in the woman by urethro-cervicopexy. Long term results of 100 operations (author's transl)] Toulouse J, et al.
J Urol (Paris) 1982;88(1):31–5 (Eng. Abstr.) **(Fre)**
[Radiographic documentation of morphological alterations after vaginal repair (author's transl)] Bernaschek G, et al.
Geburtshilfe Fraunheilkd 1982 Mar;42(3):178–81 (Eng. Abstr.) **(Ger)**
[The prevention and treatment of recurrent urinary stress incontinence with the suspension according to Zoedler (author's transl)] Jaisle F. **Geburtshilfe Fraunheilkd** 1981 Dec;41(12):837–40 (Eng. Abstr.) **(Ger)**
[Ventral plasty of the levators a neglected method for the operative treatment of stress incontinence (author's transl)] Lahodny J. **Geburtshilfe Fraunheilkd** 1981 Nov; 41(11):769–76 (Eng. Abstr.) **(Ger)**
[Comparison of preoperative and postoperative findings after stress incontinence surgery in women (author's transl)] Voigt R, et al. **Geburtshilfe Fraunheilkd** 1981 Oct; 41(10):683–8 (Eng. Abstr.) **(Ger)**
[Indication for and methods of sling operations (author's transl)] Fischer W, et al. **Zentralbl Gynakol** 1981; 103(22):1364–72 (Eng. Abstr.) **(Ger)**
[Results of treatment of urinary stress incontinence in women by urethrocystopexy] Borówka A. **Pol Tyg Lek** 1981 Feb 9;36(6):217–8 (Eng. Abstr.) **(Pol)**
[Evaluation of long-term results of surgical treatment of stress incontinence in women (author's transl)] Leńko J, et al. **Przegl Lek** 1981;38(10):727–9 (Eng. Abstr.) **(Pol)**
[New surgical technic in the treatment of female stress incontinence] Gastón de Iriarte E. **Actas Urol Esp** 1982 May–Jun;6(3):183–6 (Eng. Abstr.) **(Spa)**

THERAPY

Long-term symptomatic and cystometric cure of the urge incontinence syndrome using a technique of bladder re-education. Mahady IW, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):1038–43
Stress urinary incontinence: a practical protocol for dx and tx. Witherington R. **Geriatrics** 1982 May;37(5):38–43, 47
Simple practical techniques in the management of urinary incontinence. Shepherd A, et al. **Int Rehab'l Med** 1982, 4(1):15–9
Bladder drill revived [editorial] **Lancet** 1982 Feb 20; 1(8269):432
The function of the urethral blood flow in maintaining urinary continence. A preliminary report. Rud T.
Zentralbl Gynakol 1981;103(22):1337–43
[Endourethral teflon injection for the treatment of urinary incontinence] Kaden W. **Z Urol Nephrol** 1981 Dec; 74(12):879–81 (Eng. Abstr.) **(Ger)**

URINARY TRACT

[Function of the lower urinary tract. 4th report on the standardization of terminology: neuromuscular dysfunction (author's transl)] Bates P, et al. **Urologe [Ausg A]** 1982 May; 21(3):171–3 **(Ger)**

ABNORMALITIES

Obstructive uropathy in the neonate. Evans BB.
Clin Perinatol 1981 Jun;8(2):273–86
Fatal hydantoin syndrome: congenital malformation of the urinary tract–a case report. Michalodimitrakis M, et al.
Clin Toxicol 1981 Sep;18(9):1095–7
Short-term therapy of UTI and urinary tract abnormalities [letter] **J Pediatr** 1982 Aug;101(2):315–7
Urologic anomalies associated with an absent uterus. Ataya KM, et al. **J Urol** 1982 Jun;127(6):1125–7
Prevalence of urinary tract abnormalities in a large series of patients with uterovaginal atresia. D'Alberton A, et al.
J Urol 1981 Nov;126(5):623–4
Suprainguinal ectopic scrotum and associated anomalies. Elder JS, et al. **J Urol** 1982 Feb;127(2):336–8
Radiologic investigation of the urinary tract in the neonate with myelomeningocele. Gaum LD, et al. **J Urol** 1982 Mar; 127(3):510–2
The urological evaluation and management of patients with congenital lower urinary tract anomalies prior to renal transplantation. Marshall FF, et al. **J Urol** 1982 Jun; 127(6):1078–81
Technology in search of a patient [letter] Friedman AL.
N Engl J Med 1982 Aug 26;307(9):565
Duplication of the müllerian ducts and genitourinary malformations. Part I: the value of excretory urography. Gilsanz V, et al. **Radiology** 1982 Sep;144(4):793–6
Duplication of the müllerian ducts and genitourinary malformations. Part II: analysis of malformations. Gilsanz V, et al. **Radiology** 1982 Sep;144(4):797–801
Trisomy 16 in the mouse fetus associated with generalized edema and cardiovascular and urinary tract anomalies. Miyabara S, et al. **Teratology** 1982 Jun;25(3):369–80
Ureteroceles in single versus duplicated systems. An embryologic hypothesis. Magee MC. **Urology** 1981 Oct; 18(4):365–7
[Urinary abnormalities in a congenital aplasia syndrome of the abdominal wall muscles] Fall M, et al. **Dakar Med** 1981; 26(2):277–82 (Eng. Abstr.) **(Fre)**
[Anomalies of the upper urinary tract in adults. Recent findings] Tuchschmid D. **Helv Chir Acta** 1981 Aug; 48(3–4):277–87 (33 ref.) **(Fre)**
[Round table: reflux and duplication of the excretory tract] **J Urol (Paris)** 1980;86(10):783–91 **(Fre)**
[Urogenital malformations and cryptorchidism (author's transl)] Garat JM, et al. **J Urol (Paris)** 1982;88(4):243–5 (Eng. Abstr.) **(Fre)**
[Echographic diagnosis of fetal urinary malformations (author's transl)] Schulman CC, et al. **J Urol (Paris)** 1981; 87(7):431–5 (Eng. Abstr.) **(Fre)**
[Congenital vertebral and urinary malformations. Incidence of their association and management] Kohler R, et al.
Pediatrie 1982 Mar;37(2):91–100 (Eng. Abstr.) **(Fre)**
[Antenatal diagnosis of fetal urinary tract malformations by echography (author's transl)] Elkhazen N, et al.
Rev Med Brux 1981 Nov;2(9):829–34 (Eng. Abstr.) **(Fre)**
[Combined abnormality of the urinary and genital tract in adults. Case report] Feiber H. **Helv Chir Acta** 1981 Aug; 48(3–4):345–7 (Eng. Abstr.) **(Ger)**
[Incidence of malformative pathology of the urinary tract. Study of 6154 autopsies] Laurenti C, et al.
Minerva Urol 1981 Oct–Dec;33(4):217–26 (Eng. Abstr.) **(Ita)**
[Congenital heart diseases and malformations of the uropoietic apparatus] Beluffi G, et al.
Radiol Med (Torino) 1982 Apr;68(4):241–8 **(Ita)**
[Etiopathogenic and clinical aspects of the triad syndrome; description of a new feature: a notch on the knee] Díaz Moyano E, et al. **Bol Med Hosp Infant Mex** 1982 May; 39(5):333–9 (Eng. Abstr.) **(Spa)**

ANALYSIS

Estrogen receptors in the human female lower uninary tract. Iosif CS, et al. **Am J Obstet Gynecol** 1981 Dec 1; 141(7):817–20

ANATOMY & HISTOLOGY

Symposium on endourology. **Urol Clin North Am** 1982 Feb; 9(1):1–205

BLOOD SUPPLY

[Capillary sclerosis of the urinary tract caused by abuse of an analgesic agent (phenacetin)] Gloor F. **Pathologe** 1982 May;3(3):132–6 **(Ger)**

DRUG EFFECTS

The effects of nitrilotriacetate on cation disposition and urinary tract toxicity. Anderson RL, et al.
Food Chem Toxicol 1982 Feb;20(1):105–22
[Effect of low gestagen doses on the kidneys and

urodynamics of the upper urinary tract] Khomauridze AG, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):56–7 **(Rus)**

INJURIES

Prevention and management of operative injuries to the urinary tract. Ridley JH. **Clin Obstet Gynecol** 1981 Dec; 24(4):1267–76

[Urologic complications after surgery of sigmoid and rectal tumors] Mašek J, et al. **Rozhl Chir** 1981 Feb;60(2):109–12 (Eng. Abstr.) **(Cze)**

[Urologic injuries] Matouschek E. **Langenbecks Arch Chir** 1981;355:361–4 (Eng. Abstr.) **(Ger)**

[Mutilating urinary tract and kidney lesions caused by instillation of ether into the bladder] Struck E, et al. **Med Klin [Prax]** 1982 Apr 23;77(9):48–50, 55 **(Ger)**

INNERVATION

Influence of the adrenergic nervous system on the lower urinary tract and its clinical implications. Norlén L, et al. **Int Rehabil Med** 1982;4(1):37–43

Neural pathways to lower urinary tract identified by retrograde axonal transport of horseradish peroxidase. de Araujo CG, et al. **Urology** 1982 Mar;19(3):290–5

METABOLISM

DNA synthesis in the urinary tract epithelium of the rat induced by ureteric ligation. Herbertson BM, et al. **Lab Invest** 1981 Sep;45(3):285–94

MICROBIOLOGY

Modified method for studying bacterial adhesion to isolated uroepithelial cells and uromucoid. Chick S, et al. **Infect Immun** 1981 Oct;34(1):256–61

Ureaplasma urealyticum in the upper urinary tracts of renal allograft recipients. Birch DF, et al. **J Infect Dis** 1981 Aug; 144(2):123–7

Lack of adherence to epithelial cells by freshly isolated urinary pathogens. Harber MJ, et al. **Lancet** 1982 Mar 13; 1(8272):586–8

PATHOLOGY

[Cytology in the detection and followup of urothelial tumors. Critical review of 500 cytologic investigations (authors transl)] Tostain J, et al. **J Urol (Paris)** 1982;88(2):91–6 (Eng. Abstr.) **(Fre)**

[Effect of lithiasis on the epithelium of the urinary tract] Dimopoulos C, et al. **Arch Esp Urol** 1981 Nov–Dec; 34(6):461–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The upper urinary tract. Longrigg JN. **Br J Clin Pharmacol** 1982 Apr;13(4):461–8

The lower urinary tract. Robinson JM. **Br J Clin Pharmacol** 1982 Jun;13(6):761–73 (106 ref.)

The function of the urethral blood flow in maintaining urinary continence. A preliminary report. Rud T. **Zentralbl Gynakol** 1981;103(22):1337–43

[The influence on the urinary tract function after modified radical hysterectomy (author's transl)] Sasaki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1875–80 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Function of the lower urinary tract. 4th report on the standardization of terminology: neuromuscular dysfunction] Bates P, et al. **Z Urol Nephrol** 1982 Feb; 75(2):115–9 (Eng. Abstr.) **(Ger)**

[Upper urinary tract urodynamics in vesico–ureteral reflux in children] Derzhavin VM, et al. **Urol Nefrol (Mosk)** 1982 Mar–Apr;(2):11–5 (Eng. Abstr.) **(Rus)**

[Urodynamics of the upper urinary tracts after cystectomy] Sitdykova ME. **Urol Nefrol (Mosk)** 1981;(5):15–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Report on the Kodak Travelling Scholarship Section I: Interventional Radiology. Section II: Undergraduate Radiology Training in North America. Chapman AH. **Clin Radiol** 1982 May 3;33(3):241–51 (87 ref.)

Etiology and pathogenesis of the prune belly syndrome. Straub E, et al. **Kidney Int** 1981 Dec;20(6):695–9

[Changes in the kidneys and upper urinary tracts in dyshidrotic eczema based on x-ray study data] Bologan IN. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):80 **(Rus)**

SURGERY

Urinary tract diversion and undiversion in the pediatric age group. Mitchell ME. **Surg Clin North Am** 1981 Oct; 61(5):1147–64

Radiology of urinary undiversion. Amis ES Jr, et al. **Urol Radiol** 1981;3(3):161–9

Extraperitoneal midline approach to retroperitoneum in children. Gonzalez R. **Urology** 1982 Jul;20(1):13–4

[Postoperative CPAP therapy following surgery in the kidney area] Damgaard B, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):545–7 (Eng. Abstr.) **(Dan)**

[Experimental study in the urinary tract of a new smooth surface absorbable synthetic monofilament (author's transl)] Beurton D, et al. **J Urol (Paris)** 1981;87(5):295–303 (Eng. Abstr.) **(Fre)**

[Postoperative analgesia with epidural morphine injection after urologic operations (author's transl)] Driessen A, et al. **Anaesthesist** 1981 Nov;30(11):575–6 (Eng. Abstr.) **(Ger)**

URINARY TRACT INFECTIONS

Urinary tract infection. Asscher AW. **J R Coll Physicians Lond** 1981 Oct;15(4):232–8

Urinary tract infections in young infants. Ginsburg CM, et al. **Pediatrics** 1982 Apr;69(4):409–12

Urologic sepsis. Seidenfeld SM, et al. **Urol Clin North Am** 1982 Jun;9(2):259–66 (84 ref.)

[Asymptomatic bacteriuria in pregnancy] Zanoio L, et al. **Minerva Ginecol** 1982 Mar;34(3):133–9 (Eng. Abstr.) **(Ita)**

[Urinary salmonellosis. Report of 7 cases] Azevedo LS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Jun;36(3):119–22 (Eng. Abstr.) **(Por)**

BLOOD

ABO blood group, secretor state, and susceptibility to recurrent urinary tract infection in women. Kinane DF, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):7–9

[Evaluation of serum protein levels as diagnostic and therapeutic parameters in urinary tract infection (author's transl)] Goto T. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):332–48 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

The value of level diagnosis of childhood urinary tract infection in predicting renal injury. Pylkkänen J, et al. **Acta Paediatr Scand** 1981 Nov;70(6):879–83

Early detection of nephropathy in childhood urinary tract infection. Claëson I, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):315–20

Long-time effect of large vesicoureteral reflux with or without urinary tract infection. Wikstad I, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):325–30

Infection does not cause reflux. Gross GW, et al. **AJR** 1981 Nov;137(5):929–32

The role of urinary tract infection in chronic renal failure. Freeman RB. **Clin Exp Dial Apheresis** 1981;5(1–2):173–95 (51 ref.)

Neonatal enterobacter suppurative arthritis and osteomyelitis. Shahar E, et al. **Helv Paediatr Acta** 1981;36(6):573–7

Study of infective (secondary) renal calculus formation in vitro. Frang D, et al. **Int Urol Nephrol** 1981;13(1):41–9

Progression to end-stage renal disease in children with obstructive uropathy. Warshaw BL, et al. **J Pediatr** 1982 Feb;100(2):183–7

Community-acquired bacteremic urosepsis in the elderly patients: a prospective study of 34 consecutive episodes. Gleckman R, et al. **J Urol** 1982 Jul;128(1):79–81

Flurofamide: a potent inhibitor of bacterial urease with potential clinical utility in the treatment of infection induced urinary stones. Millner OE Jr, et al. **J Urol** 1982 Feb;127(2):346–50

Infection-induced renal calculi. Griffith DP. **Kidney Int** 1982 Feb;21(2):422–30

Perinephric abscess with renal cell carcinoma. Chintapalli K, et al. **Urol Radiol** 1981;3(2):113–5

Incidence of urethral stricture after transurethral resection of prostate. Effects of urinary infection, urethral flora, and catheter material and size. Hart AJ, et al. **Urology** 1981 Dec;18(6):588–91

[Urinary tract infections in children with idiopathic nephrotic syndrome or chronic glomerulonephritis] Plachý V. **Sb Ved Pr Lek Fak Univ Karlovy** 1981;24(5):607–20 (Eng. Abstr.) **(Ger)**

[Evaluation of the relation between urinary tract infection and primary vesico-ureteral reflux] Rossi R, et al. **Minerva Pediatr** 1981 Nov 15;33(21):1043–54 (Eng. Abstr.) **(Ita)**

[Infected calculosis: prevention of recurrences with the use of hydroxyurea] Tizzani A, et al. **Minerva Urol** 1982 Jan–Mar;34(1):55–8 **(Ita)**

[Role of urinary tract infection in the development of puerperal sepsis] Repina MA, et al. **Akush Ginekol (Mosk)** 1982 May;(5):9–12 **(Rus)**

[Bacteriuria in patients with diabetes mellitus] Zuazo Silva JL, et al. **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):79–89 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Scoring of urinary findings as an aid in diagnosis for childhood urinary tract infection. Pylkkänen J, et al. **Acta Paediatr Scand** 1981 Nov;70(6):875–8

Noninvasive assessment of the transplanted kidney: ultrasound vs. computerized tomography. Nghiem DD, et al. **Am Surg** 1981 Nov;47(11):492–4

Antenatal prediction of urinary tract infection in pregnancy. Chng PK, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):8–11

Diagnosis and treatment of infections of the urinary tract. Holloway WJ. **Del Med J** 1982 Jun;54(6):351–5

Pyuria and significant bacteriuria in urinary tract infections. Abraha A, et al. **Ethiop Med J** 1981 Oct;19(4):135–40

Urinary tract infections. Mehta KP. **Indian J Pediatr** 1982 Jan–Feb;49(396):71–8

Urinary tract infection: correlation of pyuria, bacteriuria with urine culture. Parija AC, et al. **Indian J Pediatr** 1981 Nov–Dec;48(395):753–6

Effect of bacteriologic monitoring of urinary catheters on recognition and treatment of hospital-acquired urinary tract infections. Jacobson JA, et al. **Infect Control** 1981 May–Jun;2(3):227–32

Malakoplakia of kidney and urinary tract. Report of a case of fatal outcome. Hamvas A, et al. **Int Urol Nephrol** 1981; 13(1):55–63

Urinary tract infection in women visiting rural primary care practices. Jordan S, et al. **J Fam Pract** 1982 Sep;15(3):427–9

An epidemiological study of urinary tract infections in Benghazi, Libya. Karaoui RM, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):277–85

Serum C-reactive protein and the site of urinary tract infection. Hellerstein S, et al. **J Pediatr** 1982 Jan; 100(1):21–5

Limitations of the antibody-coated bacteria test in patients with neurogenic bladders. Merritt JL, et al. **JAMA** 1982 Mar 26;247(12):1723–5

Prognostic indicators in childhood urinary infections. Hanson LA. **Kidney Int** 1982 Apr;21(4):659–67

Antibody-coated bacteria in urinary tract infections. Thomas VL, et al. **Kidney Int** 1982 Jan;21(1):1–7 (59 ref.)

Diagnosis of coliform infection in acutely dysuric women. Stamm WE, et al. **N Engl J Med** 1982 Aug 19;307(8):463–8

Preliminary diagnosis of urinary tract infection in symptomatic children. McCoy JA. **Nurse Pract** 1982 Jan; 7(1):28–33

Dysuria in adolescent girls: urinary tract infection or vaginitis? Demetriou E, et al. **Pediatrics** 1982 Aug; 70(2):299–301

Urinary tract infections. 1. Pathophysiology and diagnostic approach. Cunha BA. **Postgrad Med** 1981 Dec;70(6):141–5

Suprapubic bladder puncture in a private pediatric practice. Simon G. **Postgrad Med** 1982 Jul;72(1):63–4, 66

Urinary screening in general practice. Coltman KM. **Practitioner** 1981 May;225(1355):668–72

Simultaneous use of a sensitive filtration technique and reagent strips in urinary schistosomiasis. Feldmeier H, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):416–21

Septic obstruction and uremia in the newborn. Gonzalez R, et al. **Urol Clin North Am** 1982 Jun;9(2):297–303

Significance of vesicoureteral reflux in renal transplantation. Nghiem DD, et al. **Urology** 1981 Dec;18(6):542–5

[Diagnostic localization of urinary tract infection—examination of urinary antibody-coated bacteria with immunofluorescence technic (author's transl)] Li SM. **Chung Hua Nei Ko Tsa Chih** 1981 Nov;20(11):662–3 **(Chi)**

[Immunofluorescence detection of antibody-coated bacteria (ACB) and its application in the localization of urinary tract infection (author's transl)] Cai BJ. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):195–7 (Eng. Abstr.) **(Chi)**

[Localization of urinary tract infection by bladder washout method (author's transl)] Li SM. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):200–1 (Eng. Abstr.) **(Chi)**

[Limulus test (L.T.) of urine in the diagnosis of urinary tract infection (author's transl)] Miao TJ. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):198–9 (Eng. Abstr.) **(Chi)**

[Antibody-coated bacteria in the urine sediment in urinary tract infection in patients after kidney transplantation (author's transl)] Horčičková M, et al. **Cas Lek Cesk** 1981 Sep 3;120(35):1062–5 (Eng. Abstr.) **(Cze)**

[Determination of the site of infection in the urinary tract during pregnancy] Meijer-Severs GJ, et al. **Ned Tijdschr Geneeskd** 1981 Aug 15;125(33):1333–8 (80 ref.) **(Dut)**

[Interest of humoral antibodies assay for diagnosis and survey of urinary tract infections by gram negative bacilli and streptococcus D in children (author's transl)] Bégué P, et al. **Ann Med Interne (Paris)** 1981;132(5):306–8 (Eng. Abstr.) **(Fre)**

[Use of a heterologous antigen (Schistosoma bovis) for the immunoenzymatic serodiagnosis of urinary bilharziasis] Roffi J, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep–Oct; 74(5):532–45 (Eng. Abstr.) **(Fre)**

[Staphylococcal urinary tract infection in children. 32 cases (author's transl)] Vasmant D, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1313–5 (Eng. Abstr.) **(Fre)**

[Diagnosis of noncomplicated urinary tract infections in women] Hussain Z, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1464–6 **(Ger)**

[Laboratory diagnosis of Candida infections of the lower urinary tract] Ulshöfer B, et al. **Helv Chir Acta** 1981 Aug; 48(3–4):507–11 (Eng. Abstr.) **(Ger)**

[Virulence of candida-like fungi, isolated from the urogenital tract (author's transl)] Szarmach H, et al. **Z Hautkr** 1981 Oct 1;56(19):1265–74 (Eng. Abstr.) **(Ger)**

[Fungal infections in urologic diseases with special reference to mixed bacterial infection] Meissner B, et al. **Z Urol Nephrol** 1982 Apr;75(4):223–7 (Eng. Abstr.) **(Ger)**

[Efficacy of a model surveillance system for juvenile urinary infections in the Sternberg district] Peter U, et al. **Z Urol Nephrol** 1981 Aug;74(8):603–9 **(Ger)**

[Fever in urology] Asbach HW, et al. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2035–8 **(Ger)**

[Urinary infection in pregnancy] Dolfin AM, et al. **Minerva Ginecol** 1982 Mar;34(3):141–50 (Eng. Abstr.) **(Ita)**

[Diagnostic value of serum levels of antibacterial and anti–lipid A antibodies in renal infections] Mastrolitti G, et al. **Minerva Nefrol** 1981 Jan–Mar;28(1):63–6 (Eng. Abstr.) **(Ita)**

[Importance of the determination of 2 markers of tubule proteinuria and of the study of a local immune response in urinary infections] Mengoli C, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):251–5 (Eng. Abstr.) **(Ita)**

[Assessment of the correctness of the diagnosis and treatment of subjects hospitalized for urinary tract infections in clinics and hospitals] Varese LA, et al. **Minerva Pediatr** 1982 Feb 15;34(3):77–82 (Eng. Abstr.) **(Ita)**

[Diagnosis and localization of urinary tract infections in children with vesico–ureteral reflux] Penza R, et al. **Minerva Urol** 1981 Jul–Sep;33(3):169–73 (Eng. Abstr.) **(Ita)**

[The enzyme–linked immunosorbent assay (ELISA) test in the immunodiagnosis of urinary schistosomiasis. Comparison with the indirect haemagglutination (IH) and counterimmunoelectrophoresis (CIEP) (author's transl)] Ferone U, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):252–9 (19 ref.) (Eng. Abstr.) **(Ita)**

[Rapid screening of urine cultures with a semi–automatic instrument (author's transl)] Rigolin F, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):241–51 (Eng. Abstr.) **(Ita)**

[Antibody–coated bacteria test in the urine of children with urinary tract infection (author's transl)] Tabuki K, et al. **Kansenshogaku Zasshi** 1981 Jul;55(7):469–78 (Eng. Abstr.) **(Jpn)**

[Application of immunological tests of the serum and urine––detection of antibody–coated bacteria (ACB) and evaluation of its method] Ohmori M, et al. **Rinsho Byori** 1982 Mar;Suppl 49:88–93 **(Jpn)**

[Value of the furosemide test for determining the localization of urinary tract infection] Wielgosz A. **Pol Arch Med Wewn** 1981 Sep;66(3):223–30 (Eng. Abstr.) **(Pol)**

[Diagnostic significance of bacteria–coated antibodies in urine sediment] Fridrih S, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):40–2 **(Scr)**

[Chronic pyelonephritis (reflux nephropathy) as a disease of children] Soto C, et al. **Rev Chil Pediatr** 1981 Jul–Aug; 52(4):292–4 (Eng. Abstr.) **(Spa)**

[Distal urinary tract disorders in adult women] Fritz H, et al. **Lakartidningen** 1981 Sep 30;78(40):3493–7 **(Swe)**

DRUG THERAPY

Therapeutic equivalence of sulfaisodimidine 2 g twice daily and 1 g four times daily in lower urinary tract infections. Melander A, et al. **Acta Med Scand** 1982;211(5):361–4

The length of antimicrobial therapy in upper vs. lower urinary tract infection of childhood. Pylkkänen J, et al. **Acta Paediatr Scand** 1981 Nov;70(6):885–8

A new urinary antiseptic with prolonged action, urfadyn PL, in the treatment of urinary tract infections. Mattelaer JJ. **Acta Urol Belg** 1982 Apr;50(2):270–5

Drugs for urinary tract infections in women. Kannangara DW, et al. **Am Fam Physician** 1981 Dec;24(6):160–3

Single–dose cefaclor therapy of urinary tract infection. Evaluation of antibody–coated bacteria test and C–reactive protein assay as predictors of cure. Greenberg RN, et al. **Am J Med** 1981 Nov;71(5):841–5

Treatment of uncomplicated urinary tract infections with trimethoprim versus sulfisoxazole, with special reference to antibody–coated bacteria and fecal flora. Iravani A, et al. **Antimicrob Agents Chemother** 1981 May;19(5):842–50

Amoxicillin–clavulanic acid in treatment of urinary tract infection due to gram–negative bacteria resistant to penicillin. Martinelli R, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):800–2

Single dose trimethoprim–sulphamethoxazole treatment of symptomatic urinary infection. Pitt WR, et al. **Arch Dis Child** 1982 Mar;57(3):229–31

Trimethoprim alone in the treatment and prophylaxis of urinary tract infection. Light RB, et al. **Arch Intern Med** 1981 Dec;141(13):1807–10

Urinary tract infection. Greenwood D, et al. **Br J Clin Pharmacol** 1982 May;13(5):619–30

Treatment of urinary tract infection with a single dose of amoxycillin, co–trimoxazole, or trimethoprim.. Harbord RB, et al. **Br Med J [Clin Res]** 1981 Nov 14; 283(6302):1301–2

Trimethoprim resistance in hospitals. Huovinen P, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):782–4

Treatment of acute urinary tract infection with three doses of co–trimoxazole. Rapoport J, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1302–3

Cefotaxime (HR–756) in urinary tract infections. Paradisi F, et al. **Chemotherapy** 1982;28(1):64–9

Talampicillin in the treatment and prophylaxis of urinary tract infection in children. Smellie JM, et al. **Chemotherapy** 1982;28(3):218–23

Five–day therapy with cephradine capsules, 500 mg BID, for the treatment of acute, uncomplicated urinary tract infections. Brosof AB. **Clin Ther** 1980;3(4):285–91

Complicated urinary tract infections treated with cefuroxime or cefazolin: a comparative study. Iversen P, et al. **Clin Ther** 1981;4(4):302–7

Antibiotic treatment of urinary tract infections. Kumazawa J, et al. **Clin Ther** 1981;4 Suppl A:18–24

Cefotaxime and cefazolin in the treatment of complicated urinary tract infections: a comparative study. Madsen PO, et al. **Clin Ther** 1981;4(1):7–11

Comparative study of mezlocillin and ticarcillin in the treatment of urinary tract infections. Madsen PO, et al. **Clin Ther** 1980;3(4):311–5

Single–blind comparison of cinoxacin and nitrofurantoin in the treatment of urinary tract infection. Schneider RE. **Clin Ther** 1982;4(5):390–4

Urinary excretion of beta–2–microglobulin and albumin during antibiotic therapy in urinary tract infections. Schena FP, et al. **Contrib Nephrol** 1981;26:42–9

A double–blind study of cefaclor and amoxycillin in home and hospital–acquired infections. Harrower AD. **Curr Med Res Opin** 1982;8(1):1–4

Update on the treatment of bacterial urinary tract infections. Massoud N. **Drug Intell Clin Pharm** 1981 Oct;15(10):738–50 (123 ref.)

Comparative trial of two sulfisoxazole regimens in acute urinary tract infection. Prince RA, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):863–6

Trimethoprim: a review of its antibacterial activity, pharmacokinetics and therapeutic use in urinary tract infections. Brogden RN, et al. **Drugs** 1982 Jun;23(6):405–30 (125 ref.)

UTI: special problems in the elderly. Yoshikawa TT, et al. **Geriatrics** 1982 Mar;37(3):109–13, 118

Pivmecillinam in complicated urinary infections failing to respond to conventional therapy. Brumfitt W, et al. **Infection** 1982;10(3):149–52

Short–term treatment of lower urinary tract infections in children with trimethoprim/sulphadiazine. Helin I. **Infection** 1981;9(5):249–51

Pivmecillinam plus pivampicillin in urinary tract infections. A double–blind comparison with pivmecillinam alone in hospitalized patients. Saltvedt EP, et al. **Infection** 1982 Jan; 10(1):21–2

Treatment of acute uncomplicated urinary tract infections by cephalexin, with special reference to the antibody–coated bacteria. Iravani A, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Mar;20(3):97–100

Management of urinary tract infection in adolescent girls. Smith FG Jr. **J Adolesc Health Care** 1982 Mar;2(3):205–7

Advances in the treatment of urinary infections. Andriole VT. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:163–72 (33 ref.)

Single vs. twice daily dosage in the treatment of urinary tract infections [letter] Asscher AW, et al. **J Antimicrob Chemother** 1982 Mar;9(3):242–3

Three–day and one–day chemotherapy for urinary tract infections in general practice. Charlton CA, et al. **J Antimicrob Chemother** 1981 Nov;8(5):409–12

Multi–institutional study of mezlocillin therapy of urinary tract infections. Cox CE. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:173–7

Testing, reporting and prescribing antibiotics for urinary infections. Davies AJ. **J Antimicrob Chemother** 1982 Jul; 10(1):7–9

Evaluation of cefoperazone in the therapy or urinary tract infections. File TM Jr, et al. **J Antimicrob Chemother** 1982 Mar;9(3):233–30

Treatment of gentamicin–resistant Klebsiella urinary tract infections with cephradine, augmentin, cefuroxime and amikacin. Hart CA, et al. **J Antimicrob Chemother** 1981 Sep;8(3):231–7

Treatment of complicated urinary tract infection with mezlocillin and ticarcillin, a comparative study. Madsen PO, et al. **J Antimicrob Chemother** 1982 Jan;9 Suppl A:179–81

Recent developments in the treatment of acute urinary tract infections. Friesen WT, et al. **J Clin Hosp Pharm** 1981 Mar; 6(1):1–9

Resistance of urine pathogens to trimethoprim in Finland [letter] Räisänen S, et al. **J Clin Pathol** 1982 Jan;35(1):117–8

Long–term treatment with pivmecillinam in patients with recurrent bacteriuria. Bresky B, et al. **J Int Med Res** 1982; 10(3):179–82

Comparative non–blind trial of ceftriaxone and gentamicin in the treatment of complicated urinary tract infections. Lentini M, et al. **J Int Med Res** 1982;10(3):166–78

Short–term therapy of UTI and urinary tract abnormalities [letter] **J Pediatr** 1982 Aug;101(2):315–7

Three–day antimicrobial therapy of urinary tract infection. Khan AJ, et al. **J Pediatr** 1981 Dec;99(6):992–4

Three–day therapy of lower urinary tract infections with nitrofurantoin macrocrystals: a randomized clinical trial. Lohr JA, et al. **J Pediatr** 1981 Dec;99(6):980–3

Single–dose amoxicillin treatment of urinary tract infections. Shapiro ED, et al. **J Pediatr** 1981 Dec;99(6):989–92

Comparison of trimethoprim in combination with sulfadiazine or sulfamethoxazole in the treatment of urinary tract infections. Varde AB, et al. **J Postgrad Med** 1981 Jul; 27(3):154–8

Trimethoprim and co–trimoxazole in the treatment of acute urinary tract infections: patient compliance and efficacy. Andrewes DA, et al. **J R Coll Gen Pract** 1981 May; 31(226):274–8

Written advice: compliance and recall. Gauld VA. **J R Coll Gen Pract** 1981 Sep;31(230):553–6

Gentamicin concentration in the obstructed urinary tract. Bagley DH, et al. **J Urol** 1982 Apr;127(4):657–9

Prevention of urinary tract infection by the exogenous glycosaminoglycan sodium pentosanpolysulfate. Parsons CL. **J Urol** 1982 Jan;127(1):167–9

Comparison of cinoxacin and co–trimoxazole in the treatment of urinary tract infections. de Jersey P, et al. **Med J Aust** 1982 Mar 20;1(6):267–8

Cefotiam versus cefoxitin for treatment of severe or complicated urinary infections [letter] Bailey RR, et al. **NZ Med J** 1982 May 12;95(707):327

Experimental and clinical pharmacokinetics of nitrofurantoin in the early period of life. Wierzba K, et al. **Padiatr Padol** 1982;17(2):293–9

Some observations on the activity of three antiseptics used as bladder irrigants in the treatment of urinary tract infection in patients with indwelling catheters. Stickler DJ, et al. **Paraplegia** 1981;19(6):325–33

An open, multi–centre evaluation of a 5–day course of pivmecillinam in urinary tract infections in general practice. Place C. **Pharmatherapeutica** 1981;3(1):55–60

Urinary tract infections. 2. Therapeutic approach. Cunha BA. **Postgrad Med** 1981 Dec;70(6):149–57

Comparison of once daily trimethoprim and standard co–trimoxazole in urinary infections. A clinical trial in general practice. Cartwright KA, et al. **Practitioner** 1982 Jan;226(1363):152–6

Trimethoprim once daily vs. nitrofurantoin in treatment of acute urinary tract infections in young women, with special reference to periurethral, vaginal, and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):378–87

Trimethoprim and sulfisoxazole in the treatment of urinary tract infections, with special reference to antibody–coated bacteria and fecal flora. Iravani A, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):388–9

Trimethoprim alone in the treatment of urinary tract infections: eight years of experience in Finland. Kasanen A, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):358–65 (43 ref.)

Trimethoprim alone for treatment of urinary tract infection. Neu HC. **Rev Infect Dis** 1982 Mar–Apr;4(2):366–71 (27 ref.)

Single–dose therapy with trimethoprim–sulfamethoxazole for urinary tract infection in women. Tolkoff–Rubin NE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):444–8

Efficacy and tolerability of an amoxycillin/clavulanic acid combination in the treatment of common bacterial infections. A general practitioner trial. Levenstein JH. **S Afr Med J** 1982 Jul 28;62(5 Spec No):16A–20A

The protective effect of clavulanic acid in a combined formulation on the concentration of amoxycillin in the urine of patients with urinary tract infections. Lindeque KP. **S Afr Med J** 1982 Jul 28;62(5 Spec No):12A–13A

A fixed combination of pivmecillinam and pivampicillin in complicated urinary tract infections. A double–blind comparison with pivmecillinam. Igesund A, et al. **Scand J Infect Dis** 1982;14(2):159–60

Frequency and transmissibility of trimethoprim resistance in enterobacteria from urinary infections. Sellers J. **Scand J Infect Dis** 1982;14(2):157–8

Preoperative treatment with azlocillin in complicated urinary tract infections. Alfthan O, et al. **Scand J Infect Dis [Suppl]** 1981;29:98–101

Azlocillin treatment of urinary tract infection in patients on haemodialysis. Hallan H, et al. **Scand J Infect Dis [Suppl]** 1981;29:55–8

Cinoxacin therapy for urinary tract infections: therapeutic safety and efficacy. Cox CE, et al. **South Med J** 1982 May; 75(5):549–50

Kelfiprim, a new sulpha–trimethoprim combination, versus cotrimoxazole, in the treatment of urinary tract infections: a multicentre, double–blind trial. Pisani E, et al. **Urol Res** 1982 Feb;10(1):41–4

Clinical value of sensitivity testing in UTI [letter] Dahlin PA. **Urology** 1982 Aug;20(2):226–7

Clinical value of sensitivity determinations in treating urinary tract infections. Fair WR, et al. **Urology** 1982 May; 19(5):565–9

[Treatment with amoxicillin and clavulanic acid of urinary tract infections in patients with spinal injuries] Du Plessis DJ, et al. **S Afr Med J** 1982 Jul 28;62(5 Spec No):8A–11A (Eng. Abstr.) **(Afr)**

[Chronic urinary tract infections and their treatment with the rifampicin–trimethoprim combination (author's transl)] Prát V, et al. **Cas Lek Cesk** 1980 Oct 17;119(42):1137–40 (Eng. Abstr.) **(Cze)**

[Patients with symptoms of acute urinary infections treated with piromidic acid or sulfamethizole in general practice. A double–blind clinical controlled multicentre study] Johansen KS, et al. **Ugeskr Laeger** 1981 Sep 21; 143(39):2491–4 (Eng. Abstr.) **(Dan)**

[Use of antibacterial preparations in general practice. III. Treatment of patients with urinary infections] Mabeck CE. **Ugeskr Laeger** 1981 Mar 30;143(14):871–3 (Eng. Abstr.) **(Dan)**

[Comparative study of cinoxacin (Cinobac), nitrofurantoin (Furadantine MC) and oxolinic acid (Uritrate) in urinary tract infections. Results of a random study of three groups of 30 patients with uncomplicated urinary infections] Bouffioux C, et al. **Acta Urol Belg** 1982 Jan;50(1):39–52 (Eng. Abstr.) **(Fre)**

[Comparative study of cefaclor and amoxicillin in the treatment of urinary infections] Chantrie M. **Acta Urol Belg** 1981 Oct;49(4):447–51 (Eng. Abstr.) **(Fre)**

[Prophylaxis of recurrent urinary infections in children. Long-term use of a weak dose of trimethoprim-sulfamethoxazole] Schläppy P, et al. **Helv Paediatr Acta** 1981 Jul;36(3):241–8 (Eng. Abstr.) **(Fre)**

[Use of cotrimoxazole (Bactrim) in postoperative infectious respiratory and urinary complications in digestive surgery. Apropos of 30 cases] Schoenahl C, et al. **Med Chir Dig** 1981;10(5):455–9 **(Fre)**

[Clinical evaluation of cefotiam in adults urinary tract infections (author's transl)] Guibert J, et al. **Pathol Biol (Paris)** 1982 Jun;30(6):353–6 (Eng. Abstr.) **(Fre)**

[Treatment of urinary infection with a single dose of co-trimoxazole compared with a single dose of amoxicillin and a placebo] Dubi J, et al. **Schweiz Med Wochenschr** 1982 Jan 16;112(3):90–2 (Eng. Abstr.) **(Fre)**

[Chemotherapy of urinary tract infections and of respiratory diseases with tibirox in a long-termin hospital (author's transl)] Ludwig KG. **Aktuel Gerontol** 1982 May;12(3):93–4 (Eng. Abstr.) **(Ger)**

[Comparative study on clinical effectiveness of mecillinam and pivmecillinam versus ampicillin in acute urinary infections (author's transl)] Seppelt U, et al. **Arzneimittelforsch** 1982;32(5):569–71 (Eng. Abstr.) **(Ger)**

[Single-dose gentamicin treatment and simultaneous localization of urinary-tract infections (author's transl)] Hussain Z, et al. **Dtsch Med Wochenschr** 1981 Oct 23; 106(43):1420–3 (Eng. Abstr.) **(Ger)**

[Therapy of noncomplicated urinary tract infections in women] Hussain Z, et al. **Dtsch Med Wochenschr** 1981 Oct 30;106(44):1466–7 **(Ger)**

[Treatment of initial urinary tract infection in children with cotrifamole and cotrimoxazole. A double-blind study] Weber HP, et al. **Dtsch Med Wochenschr** 1982 Jun 18; 107(24):837–41 (Eng. Abstr.) **(Ger)**

[Short-term therapy of postoperative urinary tract infections in gynecology] Hoyme UA, et al. **Fortschr Med** 1982 Mar 4;100(9):385–8 (Eng. Abstr.) **(Ger)**

[Kidney function in the aged and antibiotic therapy in urinary tract infections] Nittinger HC, et al. **Med Klin** 1981 Jun 5;76(12):328–34 **(Ger)**

[One time therapy of urinary tract infections with amoxicillin or co-trimoxazole. A randomized study] Wetzel H, et al. **Med Welt** 1981 Nov 13;32(46):1753–6 **(Ger)**

[Netilmicin in refractory urinary tract infections. Good therapeutic effect in spite of long dosage intervals] Brunner FP, et al. **Schweiz Med Wochenschr** 1982 Jun 26; 112(26):934–41 (Eng. Abstr.) **(Ger)**

[Use of dopamin (hydroxytyramine) in urosepsis of septic shock (author's transl)] Faul P, et al. **Urologe [Ausg A]** 1981 Mar;20(2):98–101 (Eng. Abstr.) **(Ger)**

[Therapy of urinary tract infections] Höffler D. **Verh Dtsch Ges Inn Med** 1981;87:202–10 **(Ger)**

[Problems of ambulatory pharmacotherapy. 11. Antibiotic classification series for the physician working in ambulatory care] Langen L, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):194–7 **(Ger)**

[Non-obstructive urinary tract infections. Antibacterial therapy with co-tetroxazin] Pust R, et al. **ZFA (Stuttgart)** 1982 Apr 10;58(10):579–88 **(Ger)**

[Evaluation of the therapeutic effectiveness of a new antibiotic, sulbenicillin] Corsini G. **Arch E Maragliano Patol Clin** 1978;34(2):185–91 (Eng. Abstr.) **(Ita)**

[Experience with cefoxitin in intensive care surgical departments] Mingolla F, et al. **Chir Ital** 1982 Jun; 34(3):404–16 **(Ita)**

[Urinary tract infections in abdominal surgery] Zanella E, et al. **Chir Ital** 1982 Apr;34(2):176–85 **(Ita)**

[Evaluation of the therapeutic effectiveness and tolerability of indanyl carbenicillin (sodium carindacillin) in urinary infections in surgery] Percoco M, et al. **Clin Ter** 1981 May 15;97(3):247–51 (Eng. Abstr.) **(Ita)**

[Cefoxitin and the kidney: pharmacokinetics and therapeutic results] Albertazzi A, et al. **G Clin Med** 1981 Dec; 62(12):874–82 **(Ita)**

[Urinary tract infections in the involutive age. 2.] Migliori V, et al. **G Clin Med** 1981 Aug;62(8):585–90 (Eng. Abstr.) **(Ita)**

[Significance and value of urine culture during antibiotic therapy. Proposed new classification of bacteriuria] Formicola GF. **Minerva Urol** 1981 Apr–Jun;33(2):73–6 (Eng. Abstr.) **(Ita)**

[The Nebicin-Keflin combination in complicated urological infections] Marascia G, et al. **Minerva Urol** 1982 Jan–Mar; 34(1):59–62 (Eng. Abstr.) **(Ita)**

[Sisomicin in the treatment of urinary infections in high-risk patients] Rivolta E, et al. **Minerva Urol** 1981 Oct–Dec; 33(4):245–52 (Eng. Abstr.) **(Ita)**

[Amikacin in the treatment of hospital infections of the urinary tract caused by gram-negative bacilli resistant to gentamicin. Microbiological and clinical aspects] Romoli E, et al. **Minerva Urol** 1981 Apr–Jun;33(2):85–90 (Eng. Abstr.) **(Ita)**

[Clinical studies of cefoxitin for infectious diseases in the field of obstetrics and gynecology (author's transl)] Endo H, et al. **Jpn J Antibiot** 1981 Jul;34(7):1052–7 **(Jpn)**

[Clinical evaluation of the new type pivmecillinam tablet (contains 100 MG) on the treatment for female acute simple urinary tract infections (author's transl)] Furusawa T, et al. **Jpn J Antibiot** 1981 Aug;34(8):1191–5 (Eng. Abstr.) **(Jpn)**

[Study of cefroxadine in pediatrics regarding clinical efficacy and serum levels (author's transl)] Iwasaki Y, et al. **Jpn J Antibiot** 1981 Dec;34(12):1595–603 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of cefatrizine (Bricef) in the field of obstetrics and gynecology (author's transl)] Kanao M, et al. **Jpn J Antibiot** 1981 Apr;34(4):453–8 **(Jpn)**

[Clinical studies on cefotiam in pediatric infections (author's transl)] Okamoto K, et al. **Jpn J Antibiot** 1981 Jun; 34(6):1019–26 (Eng. Abstr.) **(Jpn)**

[Experimental and clinical studies on tobramycin by intravenous drip infusion in the field of urology (author's transl)] Okayama S, et al. **Jpn J Antibiot** 1981 Sep; 34(9):1235–43 (Eng. Abstr.) **(Jpn)**

[Clinical evaluations of tobramycin in treatment of chronic complicated urinary tract infections by intravenous drip infusion administration (author's transl)] Suzuki K. **Jpn J Antibiot** 1982 Feb;35(2):409–20 (Eng. Abstr.) **(Jpn)**

[Clinical results and pharmacokinetics of 6059-S in the field of pediatrics (author's transl)] Takimoto M, et al. **Jpn J Antibiot** 1981 Apr;34(4):545–50 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of pivmecillinam in the maintenance therapy of chronic urinary tract infection (author's transl)] Tamaya T, et al. **Jpn J Antibiot** 1981 Sep;34(9):1278–87 (Eng. Abstr.) **(Jpn)**

[Clinical experience of netilmicin on chronic urinary tract infections (author's transl)] Yamamoto Y, et al. **Jpn J Antibiot** 1982 Jan;35(1):273–80 (Eng. Abstr.) **(Jpn)**

[Prospects in antibiotic treatment of urologic diseases] Naide Y. **Nippon Rinsho** 1981 Jan;39(1):85–91 **(Jpn)**

[Clinical evaluation of intravenous mecillinam in patients with chronic urinary infection and reduced renal function] Wessel-Aas T, et al. **Tidsskr Nor Laegeforen** 1981 Oct 10; 101(28):1573–5 (Eng. Abstr.) **(Nor)**

[Results of 5-fluorocytosine therapy of aspergillosis and candidiasis] Rudnicka J, et al. **Pneumonol Pol** 1981 Mar; 49(3):209–17 (Eng. Abstr.) **(Pol)**

[Treatment of bacterial infections with sodium pipercillin] de Mendonça JS, et al. **Rev Inst Med Trop Sao Paulo** 1981 Jul–Aug;23(4):173–7 (Eng. Abstr.) **(Por)**

[Tactics in using ticarcillin in the treatment of urinary infections (author's transl)] Dzúriková V, et al. **Bratisl Lek Listy** 1982 Feb;77(2):179–86 (Eng. Abstr.) **(Slo)**

[Lower urinary tract infections in women: a comparison between nalidixic acid and trimethoprim-sulfadiazine] Falk G, et al. **Lakartidningen** 1981 Sep 30;78(40):3474–6 **(Swe)**

[Single-dose and weekly therapy of acute urinary infections] Henning C, et al. **Lakartidningen** 1981 Sep 30;78(40):3473–4 **(Swe)**

ETIOLOGY

Urinary tract infection due to coagulase-negative staphylococcus. Lewis JF, et al. **Am J Clin Pathol** 1982 Jun;77(6):736–9

Citrobacter diversus urinary tract infection. Barton LL, et al. **Am J Dis Child** 1982 May;136(5):467–8

Corynebacterium hofmannii infection after renal transplantation. Nathan AW, et al. **Clin Nephrol** 1982 Jun; 17(6):315–8

Staphylococcus saprophyticus urinary tract infection. Gerber MA, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):378–9

Complications of the Foley catheter. Schabel SI, et al. **CRC Crit Rev Diagn Imaging** 1981;16(3):219–37

Guideline for prevention of catheter-associated urinary tract infections [letter] Chaitow R. **Infect Control** 1981 May–Jun; 2(3):198

Nosocomial urinary tract infection: a prospective evaluation of 108 catheterized patients. Hartstein AI, et al. **Infect Control** 1981 Sep–Oct;2(5):380–6

A new look at the aetiology of urinary infection. Brumfitt W, et al. **Infection** 1981;9(5):214–6 (18 ref.)

Pseudomonas cepacia infection in children. Ishidate T, et al. **Int J Pediatr Nephrol** 1982 Jun;3(2):99–102

Urogenital mycoplasma infections of man: a review with observations on a recently discovered mycoplasma. Taylor-Robinson D, et al. **Isr J Med Sci** 1981 Jul; 17(7):524–30

Catheter-related urosepsis in the elderly: a prospective study of community-derived infections. Gleckman R, et al. **J Am Geriatr Soc** 1982 Apr;30(4):255–7

Isolation of Pseudomonas fluorescens after suprapubic catheterisation [letter] Carpenter EM, et al. **J Clin Pathol** 1982 May;35(5):581

Some observations on urinary tract infections in patients undergoing long-term bladder catheterization. Clayton CL, et al. **J Hosp Infect** 1982 Mar;3(1):39–47

Unrecognized bladder diverticulum: a cause of persistent urinary tract infection. Kissinger DJ, et al. **J Med Soc NJ** 1981 Sep;78(10):677–8

The case against the missionary position. Smith LG. **J Med Soc NJ** 1982 Mar;79(3):228

Spinal cord injury without radiographic abnormalities in children. Pang D, et al. **J Neurosurg** 1982 Jul;57(1):114–29

Urinary tract infection after transrectal needle biopsy of the prostate. Sharpe JR, et al. **J Urol** 1982 Feb;127(2):255–6

Nosocomial Pseudomonas aeruginosa urinary tract infections. Strand CL, et al. **JAMA** 1982 Oct 1;248(13):1615–8

Urinary tract infection in stone patients and in patients with indwelling urethral catheters. Khan FA, et al. **JPMA** 1981 Nov;31(11):254–8

Children with urinary infection: a comparison of those with and those without vesicoureteric reflux. Smellie JM, et al. **Kidney Int** 1981 Dec;20(6):717–22

Lactobacilli and urinary tract infections [letter] Pinon G, et al. **Lancet** 1981 Sep 12;2(8246):581

Urinary tract infection from Haemophilus parainfluenzae. Bäck E, et al. **Nephron** 1981;29(3–4):117–8

The occurrence of acute renal failure in patients with neuropathic bladders. Grundy DJ, et al. **Paraplegia** 1982 Feb;20(1):35–42

Urolithiasis in patients with spinal cord injury. Nikakhtar B, et al. **Paraplegia** 1981;19(6):363–6

Hematuria, proteinuria, and urinary tract infections. Bergstein JM. **Pediatr Clin North Am** 1982 Feb;29(1):55–66

Genitourinary opportunists: mycoplasmas and Chlamydiae. Driscoll SG. **Perspect Pediatr Pathol** 1981;6:167–81

The role of vesicoureteral reflux in paediatric urinary-tract infection. Elo J, et al. **Scand J Urol Nephrol** 1981; 15(3):243–8

Wound infections in renal transplant recipients--a complication of urinary tract infections during allograft malfunction. Lobo PI, et al. **Surgery** 1982 Sep;92(3):491–6

Bladder-sphincter dysfunction in childhood. Koff SA. **Urology** 1982 May;19(5):457–61

Case profile: recurrent urinary tract infection due to rudimentary branched ureter. Taylor WN, et al. **Urology** 1982 Jun;19(6):665

[Postoperative urinary tract infections in relation to the patient's age] Belkov IA, et al. **Cesk Gynekol** 1982 Jun; 47(5):365–7 **(Cze)**

[Salmonella urinary tract infection] Hoffmann S, et al. **Ugeskr Laeger** 1981 Nov 9;143(46):3953–4 (Eng. Abstr.) **(Dan)**

[Renal growth and urinary tract infection after surgical treatment of vesicoureteral reflux without ureteral dilatation in children (author's transl)] Jablonski JP, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):193–6 (Eng. Abstr.) **(Fre)**

[Urinary tract infection in the paraplegic patient (author's transl)] Stöhrer M, et al. **Urologe [Ausg A]** 1981 Mar; 20(2):74–7 (Eng. Abstr.) **(Ger)**

[Hospital infections. I. Favoring factors: 1) instrumental interventions on the urinary tract] Gioannini P. **Minerva Med** 1982 Jan 28;73(3–4):85–91 **(Ita)**

[Pathogenic importance of stenosis of the female urinary meatus in recurrent urinary infection] Rioja Sanz C, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):233–8 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Hapten and kidney antibodies in serum from children with urinary tract infection. Ahlstedt S, et al. **Acta Pathol Microbiol Scand [C]** 1981 Feb;89(1):29–34

Some immunological findings in patients with hydatidosis or schistosomiasis. Nassir JK, et al. **Ann Trop Med Parasitol** 1982 Feb;76(1):71–6

Antibodies to lipid A during urinary tract infection. Mattsby-Baltzer I, et al. **J Infect Dis** 1981 Oct; 144(4):319–28

Resolution of induced urinary tract infection: an animal model to assess bladder immunization. Jensen J, et al. **J Urol** 1982 Jun;127(6):1220–2

Effect of hormonal deprivation on the bladder defense mechanism. Mulholland SG, et al. **J Urol** 1982 May; 127(5):1010–3

Antibodies to Tamm-Horsfall protein associated with renal damage and urinary tract infections in adults. Fasth A, et al. **Kidney Int** 1981 Oct;20(4):500–4

O antigen loss by semi-rough E. coli causing recurrent urinary infections, analysed by gel column filtration and gas-liquid chromatography. Webb L, et al. **Pathology** 1982 Jan;14(1):17–24

[Immunologic studies on polymicrobial urinary infections (author's transl)] Horie M. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):910–27 (Eng. Abstr.) **(Jpn)**

[Studies on urinary secretory IgA (SIgA). 1. Studies on SIgA in patients with urinary tract infections (author's transl)] Nishio A, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul; 72(7):810–27 (Eng. Abstr.) **(Jpn)**

[Immunologic status in children with recurrent pyuria] Rončević N, et al. **Med Pregl** 1981;34(7–8):297–300 (Eng. Abstr.) **(Scr)**

MICROBIOLOGY

Studies on Chlamydia trachomatis as a cause of lower urogenital tract infection. Johannisson G. **Acta Derm Venereol [Suppl] (Stockh)** 1981;93:1–55

Suckling mouse model of urinary tract infections caused by Escherichia coli. Kétyi I. **Acta Microbiol Acad Sci Hung** 1981;28(4):393–9

In vitro attachment to a human cell line of Escherichia coli strains causing urinary-tract infection: occurrence of fimbriae (pili) in adhesive and non-adhesive strains. Chabanon G, et al. **Ann Microbiol (Paris)** 1982 May–Jun; 133(3):357–69

In vitro potentiation of cephalosporins by alafosfalin against urinary tract bacteria. Arisawa M, et al.

Antimicrob Agents Chemother 1982 May;21(5):706–10

Spread of R-plasmids among Escherichia coli causing urinary tract infections. Hughes C, et al. **Antimicrob Agents Chemother** 1981 Oct;20(4):496–502

Treatment of infection in the presence of an indwelling urethral catheter. Jones RF, et al. **Br J Urol** 1982 Jun; 54(3):316–9

The ultrastructure of Candida albicans infections. Marrie TJ, et al. **Can J Microbiol** 1981 Nov;27(11):1156–64

Limitations of the direct immunofluorescence test for antibody-coated bacteria in determining the site of urinary tract infections in children. Montplaisir S, et al. **Can Med Assoc J** 1981 Nov 1;125(9):993–6

An unusual presentation for a urinary tract infection. Ponte CD, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):906–7

Construction and expression of recombinant plasmids encoding type 1 or D-mannose-resistant pili from a urinary tract infection Escherichia coli isolate. Hull RA, et al. **Infect Immun** 1981 Sep;33(3):933–8

Glycolipid receptors for uropathogenic Escherichia coli on human erythrocytes and uroepithelial cells. Leffler H, et al. **Infect Immun** 1981 Dec;34(3):920–9

Mannose-specific adherence of Escherichia coli freshly excreted in the urine of patients with urinary tract infections, and of isolates subcultured from the infected urine. Ofek I, et al. **Infect Immun** 1981 Dec;34(3):708–11

Adhesion of uropathogenic Escherichia coli to epithelial cells from women with recurrent urinary tract infection. Schaeffer AJ, et al. **Infection** 1982;10(3):186–91

Screening of urinary pathogens obtained from catheterized patients for mannose-specific lectin: clinical implications. Rubinstein E, et al. **Isr J Med Sci** 1982 Apr;18(4):469–73

Comparative activity of mecillinam and ampicillin singly and in combination in the urinary bladder model and experimental mouse model. Anderson JD, et al. **J Antimicrob Chemother** 1981 Aug;8(2):121–31

Evidence against the practicality and cost-effectiveness of a gram-positive coccal selective plate for routine urine cultures. Bale MJ, et al. **J Clin Microbiol** 1981 Dec; 14(6):617–9

Providencia stuartii infections: a review of 117 cases over an eight year period. McHale PJ, et al. **J Hosp Infect** 1981 Jun;2(2):155–65

Virulence of urinary and faecal Escherichia coli in relation to serotype, haemolysis and haemagglutination. van den Bosch JF, et al. **J Hyg (Lond)** 1982 Jun;88(3):567–77

Correlation of tissue infection with bacteriuria. Mulvihill S, et al. **J Infect Dis** 1982 Jun;145(6):917

Acinetobacter calcoaceticus–an opportunistic pathogen. Pal RB, et al. **J Postgrad Med** 1981 Oct;27(4):218–21

The role of chlamydiae in genitourinary disease. Bruce AW, et al. **J Urol** 1981 Nov;126(5):625–9

The bacterial flora of the vaginal vestibule, urethra and vagina in premenopausal women with recurrent urinary tract infections. Pfau A, et al. **J Urol** 1981 Nov;126(5):630–4

The role of anaerobic bacteria in the pathogenesis of urinary tract infections. Ribot S, et al. **J Urol** 1981 Dec; 126(6):852–3

New concepts in genitourinary tract infections [interview] Turck M. **JAMA** 1981 Nov 6;246(18):2019–23

Antibacterial sensitivity pattern in urinary tract infection 1975–79. Ahmad SI. **JPMA** 1982 Mar;32(3):69–71

Urinary tract infection: a survey of the prevalent strains and their sensitivity. Khan FA, et al. **JPMA** 1981 Nov; 31(11):259–62

Bacterial adherence and urinary tract infection [letter] **Lancet** 1982 Apr 24;1(8278):961–2

Bacterial adherence and urinary tract infection [letter] **Lancet** 1982 Jul 10;2(8289):107–8

Bacterial adherence and the urinary tract [letter] **Lancet** 1982 Jun 12;1(8285):1352–3

Lack of adherence to epithelial cells by freshly isolated urinary pathogens. Harber MJ, et al. **Lancet** 1982 Mar 13; 1(8272):586–8

Microbial adhesion and the urinary tract [letter] Källenius G, et al. **Lancet** 1981 Oct 17;2(8251):866

Occurrence of P-fimbriated Escherichia coli in urinary tract infections. Källenius G, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1369–72

Human breast milk and escherichia coli urinary tract infection. Cheong IT. **Milit Med** 1982 Mar;147(3):202–4

Resistance to trimethoprim among urinary tract isolates in the United Kingdom. Towner KJ. **Rev Infect Dis** 1982 Mar–Apr;4(2):456–60

Effect of trimethoprim or trimethoprim/sulphamethoxazole usage on the emergence of trimethoprim resistance in urinary tract pathogens. Dornbusch K, et al. **Scand J Infect Dis** 1981;13(3):203–10

Epidemiologic features of urinary infections due to enterobacteriaceae resistant to nalidixic acid and trimethoprim. Light RB, et al. **Scand J Infect Dis** 1981; 13(3):195–202

Escherichia coli O:K:H: serotypes in urinary tract infection. Adetosoye AI. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov;250(4):463–9

O and H serotypes of Escherichia coli isolated from urinary tract infections. Peddie BA, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):47–51

Escherichia coli isolated from urinary tract infections in Hong Kong, 1969 to 1976. Wong WT, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):279–83

[Urinary tract infections caused by yeasts] Vejlsgaard R, et al. **Ugeskr Laeger** 1981 Nov 9;143(46):3029–32 **(Dan)**

[Altered bacterial periurethral flora in young girls with chronic, recurrent urinary tract infections? (author's transl)] Hofmann K, et al. **Infection** 1981;9(5):252–4 (Eng. Abstr.) **(Ger)**

[Evaluation of chemoantibiotics resistance of gram-negative bacteria isolated from urinary tract infections (author's transl)] Pasargiklian I, et al. **Ann Sclavo** 1981 Jul–Aug; 23(4):439–48 (Eng. Abstr.) **(Ita)**

[Compared studies of antimicrobial agents against E. coli, Klebsiella, Citrobacter and Proteus isolated from urinary tract infections] Kosakai N, et al. **Jpn J Antibiot** 1982 Apr; 35(4):1022–44 (Eng. Abstr.) **(Jpn)**

[Comparison of antibacterial activity of oral antibacterial agents against recently isolated bacteria of E. coli, Klebsiella, Citrobacter and Proteus from clinical materials of urinary tract infection (author's transl)] Okamoto Y, et al. **Jpn J Antibiot** 1981 Jun;34(6):959–75 **(Jpn)**

[Antibacterial activity of mecillinam against E. coli isolated from urinary tract infections (author's transl)] Shimizu Y. **Jpn J Antibiot** 1981 Jul;34(7):1087–91 (Eng. Abstr.) **(Jpn)**

[Experimental urinary tract infection with Proteus mirabilis in mice (author's transl)] Iwahi T, et al. **Kansenshogaku Zasshi** 1981 Apr;55(4):254–61 (Eng. Abstr.) **(Jpn)**

[A clinical microbiological study on urinary tract infection of the aged with sequelae of cerebrovascular disorders (author's transl)] Okada J. **Kansenshogaku Zasshi** 1981 Apr; 55(4):262–75 (Eng. Abstr.) **(Jpn)**

[Bacteriological tests of the urine and urinary tract infections] Kobayasi A. **Rinsho Byori** 1982 Mar;Suppl 49:23–8 **(Jpn)**

[Escherichia coli alpha-hemolysin antibodies in urinary tract infection] Galiński J, et al. **Pol Tyg Lek** 1981 Jul 13; 36(28):1051–3 (Eng. Abstr.) **(Pol)**

[Serologic groups of O-antigens of E. coli isolated from urinary tract infections within the boundaries of the USSR and East Germany] Golubeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):75–8 (Eng. Abstr.) **(Rus)**

MORTALITY

Mortality associated with nosocomial urinary-tract infection. Platt R, et al. **N Engl J Med** 1982 Sep 9;307(11):637–42

OCCURRENCE

Sensitivity, specificity, prevalence and predictive values [letter] Hill JG. **Can Med Assoc J** 1981 Oct 15;125(8):819

Urinary tract infection in a peripheral paediatric unit. McDonagh B, et al. **Ir Med J** 1981 Jun;74(6):163–5

Aminoglycoside-resistant Pseudomonas aeruginosa urinary tract infection: study of an outbreak. Smith PW, et al. **J Hosp Infect** 1981 Mar;2(1):71–5

Marital bacterial urinary infection in men. Simpson B. **J R Army Med Corps** 1981 Oct;127(3):139–40

[Age distribution of urinary tract infections (UTIs) and their severity grade in children (author's transl)] Elo J, et al. **Monatsschr Kinderheilkd** 1982 Mar;130(3):139–42 (Eng. Abstr.) **(Ger)**

[Urinary tract infections in the involutive age. I.] Migliori V, et al. **G Clin Med** 1981 Aug;62(8):576–84 (Eng. Abstr.) **(Ita)**

[Urinary hospital infections. Evolutionary study over 4 years] Falcó Falcó E, et al. **Arch Esp Urol** 1981 Nov–Dec; 34(6):431–6 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

Urinary trichomoniasis in Jeddah, Saudi Arabia. el-Refaie SA, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):381–8

[Human activities, hydro-agricultural management and urinary schistosomiasis. Methodological approach and results (a preliminary study in Upper-Volta)] Le Bras M, et al. **Bull Soc Pathol Exot Filiales** 1982 Jan–Feb; 75(1):44–54 (Eng. Abstr.) **(Fre)**

[Epidemiologic study of S. haematobium bilharziasis in the rice belt of Yagoua (North Cameroon). I. Prevalence of infestation and evaluation of the parasitic load] Yelnik A, et al. **Bull Soc Pathol Exot Filiales** 1982 Jan–Feb; 75(1):62–71 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Reflux nephropathy: effects of antimicrobial therapy on the evolution of the early pyelonephritic scar. Ransley PG, et al. **Kidney Int** 1981 Dec;20(6):733–42

Clinical pyelonephritis and focal renal scarring. A selected review of pathogenesis, prevention, and prognosis. Winberg J, et al. **Pediatr Clin North Am** 1982 Aug; 29(4):801–14 (51 ref.)

[Gas in urologic pathology] Lovaco F, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):1–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

How important is bacteriuria? Kass EH. **Rev Infect Dis** 1982 Mar–Apr;4(2):434–7

Urethral syndrome or urinary tract infection? Schmidt RA, et al. **Urology** 1981 Oct;18(4):424–7

[Urinary tract infection: severe progressive diseases] Werning C. **Med Monatsschr Pharm** 1982 Feb;5(2):39–42 **(Ger)**

PREVENTION & CONTROL

Hydrogen peroxide instillations into the urinary drainage bag: should we or shouldn't we? Sarubbi FA, et al. **Am J Infect Control** 1982 May;10(2):72–3

Residual urine volume: correlate of urinary tract infection in patients with spinal cord injury. Merritt JL. **Arch Phys Med Rehabil** 1981 Nov;62(11):558–61

Effect of single-dose prophylactic co-trimoxazole on the incidence of gynaecological postoperative urinary tract infection. Ireland D, et al. **Br J Obstet Gynaecol** 1982 Jul; 89(7):578–80

An appraisal of 12 solutions used for bladder irrigation or instillation. Harper WE. **Br J Urol** 1981 Oct;53(5):433–8 (45 ref.)

The problem of recurrences and infection after surgical removal of staghorn calculi. Martínez-Piñeiro JA, et al. **Eur Urol** 1982;8(2):94–101

CDC guidelines on infection control. **Infect Control** 1981 Mar–Apr;2(2):117–46

Maintenance antimicrobials in high risk urologic pediatric patients. McCann TM, et al. **Int J Pediatr Nephrol** 1982 Mar;3(1):29–32

Urinary tract infection in pregnancy. Foley ME, et al. **Ir Med J** 1982 Jun;75(6):188–9

Post-operative urinary infection in urology [letter] Williams M. **J Hosp Infect** 1981 Jun;2(2):187–94

Prevention of urinary tract infection and sepsis following transrectal prostatic biopsy. Crawford ED, et al. **J Urol** 1982 Mar;127(3):449–51

Rat bladder irrigation with PVP-I2. Miller DP, et al. **J Urol** 1982 Jun;127(6):1230–2

Prophylactic efficacy of cinoxacin in recurrent urinary tract infection: biologic effects on the vaginal and fecal flora. Schaeffer AJ, et al. **J Urol** 1982 Jun;127(6):1128–31

Reduction of catheter-induced infections [letter] Rhodes LV 3d. **JAMA** 1982 Aug 20;248(7):830–1

Evaluation of aseptic techniques and chlorhexidine on the rate of catheter-associated urinary-tract infection. Southampton Infection Control Team. **Lancet** 1982 Jan 9; 1(8263):89–91

Co-trimoxazole and the thyroid [letter] Smellie JM, et al. **Lancet** 1982 Jul 10;2(8289):96

Inhibition of experimental ascending urinary tract infection by an epithelial cell-surface receptor analogue. Edén CS, et al. **Nature** 1982 Aug 5;298(5874):560–2

Long-term antimicrobial prophylaxis for recurrent urinary tract infection in women. Harding GK, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):438–43

Antimicrobial prophylaxis in children with urinary tract infection and vesicoureteral reflux. Holland NH, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):467–74

Trimethoprim-sulfamethoxazole and trimethoprim alone in the prophylaxis of childhood urinary tract infection. Smellie JM, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):461–6

Urinary prophylaxis with trimethoprim and trimethoprim-sulfamethoxazole: efficacy, influence on the natural history of recurrent bacteriuria, and cost control. Stamm WE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):450–5

A controlled study of trimethoprim-sulfamethoxazole prophylaxis of urinary tract infection in renal transplant recipients. Tolkoff-Rubin NE, et al. **Rev Infect Dis** 1982 Mar–Apr;4(2):614–8

Low dose trimethoprim prophylaxis in long term control of chronic recurrent urinary tract infection. Svensson R, et al. **Scand J Infect Dis** 1982;14(2):139–42

Maintenance of sterility in urinary drainage bags. Desautels RE, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):838–40

Does internal urethrotomy influence susceptibility to recurrent urinary tract infection? Busch R, et al. **Urology** 1982 Aug;20(2):134–7

Frequency of urinary catheter change and clinical urinary tract infection. Study in hospital-based, skilled nursing home. Priefer BA, et al. **Urology** 1982 Aug;20(2):141–2

[Control of urinary schistosomiasis by 3 annual courses of metrifonate] Druilhe P, et al. **Ann Soc Belg Med Trop** 1981 Mar;61(1):99–109 (Eng. Abstr.) **(Fre)**

[Prevention of urinary tract infections with a single dose of cotrimoxazole (bactrim forte) in patients with a urinary catheter (author's transl)] Berger C, et al. **Geburtshilfe Frauenheilkd** 1981 Aug;41(8):544–7 (Eng. Abstr.) **(Ger)**

[Prevention and therapy of urinary tract infections after gynecologic and obstetric surgery] Bellmann O, et al. **Gynakologe** 1982 Mar;15(1):35–44 (70 ref.) **(Ger)**

[Mass screening of pregnant women for true symptomless (significant) bacteriuria] Murányi J, et al. **Orv Hetil** 1982 Apr 11;123(15):919–20 **(Hun)**

[Short-term prevention of surgical infections with antibiotics. Preliminary results of a controlled clinical experimentation] Germiniani R, et al. **Minerva Chir** 1982 Mar 15;37(5):487–90 **(Ita)**

[Comparison of the effectiveness of methenamine hippurate and nitrofurantoin in the prevention of recurrence of urinary tract infections] Krzymanski M, et al. **Pol Arch Med Wewn** 1982 Jan–Feb;67(1–2):23–8 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Radiographic studies for women with recurrent urinary tract

infections. Fairchild TN, et al. **J Urol** 1982 Aug; 128(2):344–5
Excretory urography in women with urinary tract infection. Lieberman E, et al. **J Urol** 1982 Feb;127(2):263–4
[Dose measurement in pediatric roentgenologic examinations] Reither M. **Rontgenpraxis** 1981;34(12):475–87 **(Ger)**

REHABILITATION

[Pediatric nephrology concepts of the diagnosis and therapy of myelodysplasia] Otto-Unger G. **Padiatr Grenzgeb** 1981; 20(5):333–9 (Eng. Abstr.) **(Ger)**

THERAPY

Duration of treatment of urinary tract infections. Kunin CM. **Am J Med** 1981 Nov;71(5):849–54 (21 ref.)
Current concepts in the management of urinary tract infection. Whitworth JA. **Ann Acad Med Singapore** 1982 Jan;11(1):64–8
Urinary tract infections in older persons. Kurtz SB. **Compr Ther** 1982 Feb;8(2):54–7
Amphotericin B as a urologic irrigant in the management of noninvasive candiduria. Wise GJ, et al. **J Urol** 1982 Jul; 128(1):82–4
Percutaneous antegrade diagnosis and management of candidiasis of the upper urinary tract. Mazer JM, et al. **Urol Clin North Am** 1982 Feb;9(1):157–64
[Results of antireflux-surgery in children according to Leadbetter-Politano] Esch W, et al. **Z Kinderchir** 1981 Aug;33(4):335–43 (Eng. Abstr.) **(Ger)**
[Therapy of urinary tract infections in the elderly] Nardi R, et al. **Recenti Prog Med** 1981 Feb;70(2):181–96 **(Ita)**

TRANSMISSION

[Role of the endoscopy department in urologic hospital endemic disease] Vicente J, et al. **Actas Urol Esp** 1981 Jul-Aug;5(4):223–6 (Eng. Abstr.) **(Spa)**

URINE

Detection of antibody-coated bacteria in urine sediments: a review. Matuscak RR, et al. **Am J Med Technol** 1982 Mar;48(3):191–5
Excretion studies of nitrofurantoin and nitrofurantoin with deglycyrrhizinated liquorice. Datla R, et al. **Indian J Physiol Pharmacol** 1981 Jan-Mar;25(1):59–63
Ventral bladder hernia facilitates study of urinary tract infections in rats. Michaels EK, et al. **Urol Res** 1981; 9(5):249–53
[Usefulness of testing for nitrites in the diagnosis of urinary infections in children] Labbé J. **Union Med Can** 1982 Mar; 111(3):261–5 (Eng. Abstr.) **(Fre)**
[Urinary excretion of glycoproteins depending on the localization of infection in the urinary tract of children] Zoch-Zwierz W, et al. **Pediatr Pol** 1981 Jul;56(7):809–14 (Eng. Abstr.) **(Pol)**

VETERINARY

Efficacy of ethylenediamine dihydrochloride in dogs and cats. Finco DR. **Am J Vet Res** 1981 Apr;42(4):670–3
Pathogenic microbes isolated from rabbit urine. Akinboade OA, et al. **Lab Anim** 1981 Jul;15(3):277–9
Urogenital tract infection in the bitch. Järvinen AK. **Vet Res Commun** 1981 Apr;4(4):253–69
Persistent urinary tract infection and urolithiasis in a cat with a urachal diverticulum. Gotthelf LN. **VM SAC** 1981 Dec; 76(12):1745–7
[Comparative study of urine in dogs using Urotube vet. Roche, Bactrim-Urotube and standard bacteriological methods] Häusermann L, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):483–90 (Eng. Abstr.) **(Ger)**

URINATION

Simultaneous study of the circadian rhythms of food intake, water intake and renal excretion and analysis of their interrelations in rats. Ikonomov O, et al. **Acta Physiol Pharmacol Bulg** 1981;7(1):77–84
Residual urine volume: correlate of urinary tract infection in patients with spinal cord injury. Merritt JL. **Arch Phys Med Rehabil** 1981 Nov;62(11):558–61
Effect of voluntary retention of urine on plasma and urinary biogenic amines as well as circulatory and respiratory responses. Shukla M, et al. **Indian J Physiol Pharmacol** 1982 Jan-Mar;26(1):61–4
Rain and the urge to urinate: clinical observations concerning external events, surmounted impulses and repression. Renik O. **Int J Psychoanal** 1981;62(Pt 1):105–11
Results of urinalysis and bacterial culture of canine urine obtained by antepubic cystocentesis, catheterization, and the midstream voided methods. Comer KM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):891–5
Identification of source of urine stains in multi-cat households. Hart BL, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):77–8
A uroflowmeter for monitoring frequency and volume of urination. Kuhlemeier KV, et al. **J Med Eng Technol** 1981 Jul;5(4):192–3
Inhibitory interactions between colonic and vesical afferents in the micturition reflex of the cat. Floyd K, et al. **J Physiol (Lond)** 1982 Jan;322:45–52
The neurophysiology of micturition: a clinical study of 550 patients. Blaivas JG. **J Urol** 1982 May;127(5):958–63
Micturition syncope. Godec CJ, et al. **J Urol** 1981 Oct; 126(4):551–2
Studies of enuresis. IX. Evidence of a mild form of compensated detrusor hyperreflexia in enuretic children. Mahony DT, et al. **J Urol** 1981 Oct;126(4):520–3
The effect of a urethral catheter on the measurement of maximum urinary flow rate. Ryall RL, et al. **J Urol** 1982 Aug;128(2):429–32
The stop-flow technique: a way to measure detrusor strength. Susset JG, et al. **J Urol** 1982 Mar;127(3):489–94
Functional pattern of sacral root stimulation in dogs. I. Micturition. Thüroff JW, et al. **J Urol** 1982 May; 127(5):1031–3
Mechanisms of urinary continence: an animal model to study urethral responses to stress conditions. Thüroff JW, et al. **J Urol** 1982 Jun;127(6):1202–6
Portable voiding alarm for use with spinal-cord injured patients. Patterson RP, et al. **Med Biol Eng Comput** 1981 Sep;19(5):654–6
Urination during the first three years of life. Goellner MH, et al. **Nephron** 1981;28(4):174–8
Analysis of methods to construct nomograms in uroflow studies. Bee DE, et al. **Prog Clin Biol Res** 1981;78:261–8
Detrusor activity during micturition in female patients. George NJ, et al. **Prog Clin Biol Res** 1981;78:73–6
Assessment of the relationship between sensation and volume, tension and compliance during the filling phase in adult enuretics. Hindmarsh JR. **Prog Clin Biol Res** 1981;78:77–83
The striated pelvic floor muscles and their importance in maintaining urinary continence. Rud T. **Prog Clin Biol Res** 1981;78:105–12
The rate of increase in urinary flow rate during micturition: a valuable urodynamic parameter for the diagnosis and differentiation of abnormalities of micturition in women. von Fischer B, et al. **Prog Clin Biol Res** 1981;78:223–30
Urethral sphincter electromyography in urinary voiding disorders. Whitfield HN, et al. **Prog Clin Biol Res** 1981; 78:85–90
Prostatism. III. Detrusor hyperreflexia and residual urine. Clinical and urodynamic aspects and the influence of surgery on the prostate. Andersen JT. **Scand J Urol Nephrol** 1982;16(1):25–30
Hydrodynamics of micturition following Marshall-Marchetti-Krantz procedure for stress urinary incontinence. Sjöberg B. **Scand J Urol Nephrol** 1982; 16(1):11–20
Hydrodynamics of micturition in stress-incontinent women. Comparisons of pressure and flow at different micturition volumes in stress-incontinent and continent women. Sjöberg B, et al. **Scand J Urol Nephrol** 1982;16(1):1–9
Pressure-flow analysis of micturition: a reappraisa'. Shulman Y, et al. **Urology** 1982 Apr;19(4):450–2
[Normal voiding 20 years after total cystectomy] Kirkegaard P, et al. **Ugeskr Laeger** 1981 Jun 15;143(25):1598–9 (Eng. Abstr.) **(Dan)**
[The neurophysiology of micturition (author's transl)] Bourcier A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;10(8):749–59 (Eng. Abstr.) **(Fre)**
[Urine stream pressure and urethral energy loss] Festge OA, et al. **Z Urol Nephrol** 1981 Sep;74(9):643–9 (Eng. Abstr.) **(Ger)**
[Urodynamic examination results for the determination of urge urinary incontinence in the woman] Voigt R, et al. **Z Urol Nephrol** 1981 Sep;74(9):651–6 (Eng. Abstr.) **(Ger)**
[Urological approach to enuresis nocturna. I. Functional bladder capacity and average urinary flow rate in normal children (author's transl)] Takatsuka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1373–84 (Eng. Abstr.) **(Jpn)**
[Urological approach to enuresis nocturna. II. Cystometric findings (author's transl)] Takatsuka K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1385–98 (Eng. Abstr.) **(Jpn)**
[Urinary excretory rhythms and endocrine functions (author's transl)] Yoshida S. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):227–32 (14 ref.) **(Jpn)**

DRUG EFFECTS

The influence of vasopressin on oxytocin-induced changes in urine flow in the male rat. Forsling ML, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):216–20
Atropine and micturition responses by rats with intact and partially innervated bladder. Carpenter FG. **Br J Pharmacol** 1981 Aug;73(4):837–42
Effect of prolactin on urinary excretion and renal haemodynamics in conscious rats. Bliss DJ, et al. **J Physiol (Lond)** 1982 Jan;322:399–407
The effect of oral bethanechol chloride on voiding in female patients with excessive residual urine: a randomized double-blind study. Barrett DM. **J Urol** 1981 Nov; 126(5):640–2
[Effect of raveron and levorin on urination recovery in prostatic adenoma and chronic prostatitis] Savin VF, et al. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):22–4 (Eng. Abstr.) **(Rus)**

URINATION DISORDERS

CHEMICALLY INDUCED

Urinary hesitancy with therapeutic doses of L-tryptophan. Rubin TN. **Drug Intell Clin Pharm** 1981 Dec;15(12):995–8
Follow-up studies of workers with bladder neuropathy caused by exposure to dimethylaminopropionitrile. Baker EL, et al. **Scand J Work Environ Health** 1981;7 Suppl 4:54–9

COMPLICATIONS

Urethral stricture following indwelling catheter in hypospadias repair. Shafir R, et al. **Ann Plast Surg** 1982 May;8(5):416–9
[Role of urodynamic disorders of the lower urinary tract in the pathogenesis of pyelonephritis in children] Derzhavin VM, et al. **Urol Nefrol (Mosk)** 1982 May-Jun;(3):56–61 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Bedside ultrasound diagnosis of residual urine volume. Henriksson L, et al. **Arch Gynecol** 1982;231(2):129–33
Ultrasonic measurement of residual urine: a method requiring no catheter. Szabó V, et al. **Int Urol Nephrol** 1981; 13(4):345–51
Voiding abnormalities in children: methods of evaluation and results of treatment. Mann CM Jr, et al. **J Pediatr Surg** 1981 Dec;16(6):785–9
Urodynamic norms in female voiding. II. The flow modulation zone and voiding dysfunction. Gleason DM, et al. **J Urol** 1982 Mar;127(3):495–500
Abdominal wall electromyography: a noninvasive technique to improve pediatric urodynamic accuracy. Koff SA, et al. **J Urol** 1982 Apr;127(4):736–9
Urodynamic manifestations of cerebellar ataxia. Leach GE, et al. **J Urol** 1982 Aug;128(2):348–50
The effect of a urethral catheter on the measurement of maximum urinary flow rate. Ryall RL, et al. **J Urol** 1982 Aug;128(2):429–32
Dysuria in adolescent girls: urinary tract infection or vaginitis? Demetriou E, et al. **Pediatrics** 1982 Aug; 70(2):299–301
Evaluation of women with chronic voiding discomfort. Mabry EW, et al. **Urology** 1981 Sep;18(3):244–6
[Evaluation of diagnostic methods in urination disorders in children] Lodziński K, et al. **Pediatr Pol** 1981 Jun; 56(6):635–44 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Naloxone reversal of urinary retention after epidural morphine [letter] Rawal N, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1411
The urodynamic and subjective results of treatment of detrusor instability with oxybutynin chloride. Bary PR, et al. **Prog Clin Biol Res** 1981;78:313–9
Treatment of unstable detrusor (irritable bladder) using fluphenazine and nortriptyline: progress report. Martin MR, et al. **Prog Clin Biol Res** 1981;78:335–8
The use of indomethacin in the treatment of idiopathic bladder instability. Delaere KP, et al. **Urol Int** 1981; 36(2):124–7
[Pharmacological effects on lower urinary tract dynamics] Hanuš T. **Rozhl Chir** 1982 Jan;61(1):42–6 (Eng. Abstr.) **(Cze)**
[The effects of drugs on vesico-urethral function] Gerstenberg TC, et al. **Nord Med** 1981 Dec;96(12):310–2 (Eng. Abstr.) **(Dan)**
[Indications for bethanechol in acute urinary retention caused by herpes zoster. Case study] Polito M, et al. **Acta Urol Belg** 1982 Apr;50(2):259–62 (Eng. Abstr.) **(Fre)**
[Conservative treatment of hypocontractile bladder emptying disturbances (author's transl)] Riccabona M. **Dtsch Med Wochenschr** 1981 Nov 20;106(47):1579–82 (Eng. Abstr.) **(Ger)**
[Conservative therapy of prostate adenoma with phenoxybenzamine. Clinical aspects and urodynamics] Flamm J. **Fortschr Med** 1981 Nov 19;99(43):1820–2 **(Ger)**
[Intravesical prostaglandin E2 and placebo in urinary retention after gynaecological surgery (author's transl)] Riss P, et al. **Geburtshilfe Frauenheilkd** 1982 Mar;42(3):182–4 (Eng. Abstr.) **(Ger)**
[Urination disorders caused by prostatic hyperplasia. Effect of Bazoton, Harzol and Prosta-capsules] Hallwachs O. **MMW** 1981 Oct 30;123(44):1675–6 **(Ger)**
[Treatment of children with an unstable bladder using the new anticholinergic drug <Mictonorm (author's transl)] Heller K. **Padiatr Padol** 1982;17(1):115–20 (Eng. Abstr.) **(Ger)**
[Measurement of urinary flow in general practice. Efficacy of beta-sitosterine] Klingeberg J. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1634–7 **(Ger)**

ETIOLOGY

The long term effects of proctectomy on bladder function in patients with inflammatory bowel disease. Neal DE, et al. **Br J Surg** 1982 Jun;69(6):349–52
Urinary retention and granulomatous prostatitis following sacral Herpes Zoster infection. A report of 2 cases with

a review of the literature. Clason AE, et al. **Br J Urol** 1982 Apr;54(2):166–9
Paralytic ileus and urinary retention due to hypothyroidism. Nathan AW, et al. **Br Med J [Clin Res]** 1982 Aug 14; 285(6340):477
Idiopathic detrusor sphincter dyssynergia in neurologically normal patients with voiding abnormalities. Jørgensen TM, et al. **Eur Urol** 1982;8(2):107–10
Blind-ending vesicoperineal accessory urethra presenting with urinary obstruction and infertility. Sharma SK, et al. **Eur Urol** 1982;8(3):191–2
Voiding disorders after radical hysterectomy. Carenza L, et al. **Gynecol Oncol** 1982 Apr;13(2):213–9
Urinary retention secondary to Landry-Guillain-Barré syndrome. Kogan BA, et al. **J Urol** 1981 Nov;126(5):643–4
Microbiology of the urethral syndrome [letter] Maskell R, et al. **Lancet** 1982 Feb 6;1(8267):343
Supra-vaginal uterine amputation vs. abdominal hysterectomy: the effects on urinary symptoms with special reference to pollakisuria, nocturia and dysuria. Kilkku P, et al. **Maturitas** 1981 Dec;3(3–4):197–204
Acute urinary retention: causes and treatment. Ochsner MG. **Postgrad Med** 1982 Feb;71(2):221–6
Significance of acute urinary retention due to intravesical obstruction. Breum L, et al. **Scand J Urol Nephrol** 1982; 16(1):21–4
Etiology and management of the acute urethral syndrome. Stamm WE. **Sex Transm Dis** 1981 Jul–Sep;8(3):235–8
Urinary retention caused by impaction of enlarged uterus. Kondo A, et al. **Urol Int** 1982;37(2):87–90
Acute urinary retention and transient motor paralytic bladder associated with herpes simplex genitalis. Nielsen JB. **Urol Int** 1982;37(1):57–60
[Hydrocolpos in infants with urinary retention] Bisballe S, et al. **Ugeskr Laeger** 1981 Mar 16;143(12):756–7 (Eng. Abstr.) **(Dan)**
[Complete retention of urine of sudden onset secondary to herpes genitalis infection (author's transl)] Léger JM, et al. **J Urol (Paris)** 1982;88(5):281–3 (Eng. Abstr.) **(Fre)**
[Urination disorders after transvesical resection of a prostatic adenoma] Schiewe R, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):165–6 **(Ger)**
[Protocol of findings on local morpho-functional changes after rectosigmoid excision] Chiampo L, et al. **Acta Biomed Ateneo Parmense** 1982;53(2):91–3 **(Ita)**
[Detrusor hyperreflexion in patients with subvesical obstruction. Cystometric analysis (author's transl)] Gilja I, et al. **Lijec Vjesn** 1981 June;103(6):231–3 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

Urodynamic evaluation of patients with hereditary ataxias. Vezina JG, et al. **Can J Neurol Sci** 1982 May;9(2):127–9

MICROBIOLOGY

Urethral syndrome or dysuria/frequency syndrome: a terminological and microbiological dilemma [letter] Brumfitt W, et al. **Lancet** 1982 May 8;1(8280):1066–7
Diagnosis of coliform infection in acutely dysuric women. Stamm WE, et al. **N Engl J Med** 1982 Aug 19;307(8):463–8

OCCURRENCE

[Postoperative malfunctions and complications in colorectal neoplasms] Teramoto S, et al. **Nippon Rinsho** 1981 May; 39(5):2174–9 **(Jpn)**

PHYSIOPATHOLOGY

Another aspect of acute urinary retention in young patients. Godec CJ, et al. **Ann Emerg Med** 1982 Sep;11(9):471–4
Neurologic aspects of detrusor-sphincter dyssynergia, with reference to the guarding reflex. Siroky MB, et al. **J Urol** 1982 May;127(5):953–7
Urethral sphincter electromyography in urinary voiding disorders. Whitfield HN, et al. **Prog Clin Biol Res** 1981; 78:85–90

PREVENTION & CONTROL

Some observations on urinary retention and deep hip sepsis following total hip replacement. Walton JK, et al. **Aust NZ J Surg** 1982 Apr;52(2):130–3

PSYCHOLOGY

Phantom urinary symptoms in hemodialysis patients. McCullough L, et al. **Arch Phys Med Rehabil** 1982 Sep; 63(9):443–4
Treatment of urinary urgency and excessive frequency: a case study. Figueroa JL, et al. **Behav Res Ther** 1981;19(3):261–4
Psychogenic retention of urine. Abramovici I, et al. **Psychiatr Clin (Basel)** 1981;14(4):196–204
Psychogenic urinary retention in eight-year-old boy. Stams UK, et al. **Urology** 1982 Jul;20(1):83–5

RADIOGRAPHY

Prostatic reflux: a simple radiographic sign in recognizing dysfunctioned voiding from external sphincter disorders. Koyanagi T, et al. **J Urol** 1982 Jul;128(1):93–7

RADIONUCLIDE IMAGING

[Non-invasive diagnostic determination of residual urine with radionuclides (author's transl)] Müller H. **Radiologe** 1981 Dec;21(12):571–3 (Eng. Abstr.) **(Ger)**

REHABILITATION

Rehabilitation of micturition in patients with incomplete spinal cord lesions by transurethral electrostimulation of the bladder. Madersbacher H, et al. **Eur Urol** 1982; 8(2):111–6

SURGERY

Urethrolysis in the management of females with recurrent frequency and dysuria. Smith PJ, et al. **Br J Urol** 1981 Dec;53(6):634–6
[Surgical therapy of voiding disorders in patients suffering from spinal cord injury (author's transl)] Stöhrer M. **Urologe [Ausg A]** 1981 Mar;20(2):78–84 (Eng. Abstr.) **(Ger)**

THERAPY

Mechanical failure of artificial urinary sphincter 721 post-trauma. Successful replacement with artificial urinary sphincter 792. Schileru G, et al. **Acta Urol Belg** 1982 Jan; 50(1):125–32
Hypnosis for urinary retention [letter] Campbell WG. **Am J Psychiatry** 1982 Aug;139(8):1082–3
Electrical stimulation of the conus medullaris to control the bladder in the paraplegic patient. A 10-year review. Nashold BS Jr, et al. **Appl Neurophysiol** 1981;44(4):225–32
Bladder retraining of paraplegic women. Merritt JL, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):416–8
Management of frequency and dysuria. Asscher AW. **Practitioner** 1981 Jul;225(1357):1021–6
An assessment of the Frewen regime in the treatment of detrusor dysfunction in females. Elder DD, et al. **Prog Clin Biol Res** 1981;78:321–8
The paraplegic – intermittent catheterization and other advances. Boles DM. **S Afr Med J** 1982 Mar 6;61(10):357–9
Transcatheter renal artery embolization in treatment of severe urgency and incontinence in bladder metastases. Gordon RL, et al. **Urology** 1982 Jun;19(6):666–8
[Phonophoresis of hydroxyprogesterone capronate in the treatment of the patients with adenoma of the prostate complicated by dysuria] Karpukhin VT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):46–9 (Eng. Abstr.) **(Rus)**

VETERINARY

A case of dysuria as a result of a communication between the urinary bladder and corpus uteri in a Cairn Terrier. van Schouwenburg SJ, et al. **J S Afr Vet Assoc** 1982 Mar; 53(1):65–6

URINE

see related
ALBUMINURIA
ALKAPTONURIA
AMINOACIDURIA, RENAL
ANURIA
BACTERIURIA
CYSTINURIA
GLYCOSURIA
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HEMOGLOBINURIA
MAPLE SYRUP URINE DISEASE
PHENYLKETONURIA
POLYURIA
PROTEINURIA
PYURIA

Studies of the urinary acidification defect induced by lithium. Bank N, et al. **Am J Physiol** 1982 Jan;242(1):F23–9
Device for continuous urine collection in the newborn [letter] Coulthard MG. **Arch Dis Child** 1982 Apr;57(4):322
Device for continuous urine collection in the newborn. Lund RJ, et al. **Arch Dis Child** 1981 Nov;56(11):880–2
Biochemical features of urinothorax. Stark DD, et al. **Arch Intern Med** 1982 Aug;142(8):1509–11
The effect of variations in urinary pH on the pharmacokinetics of diethylcarbamazine. Edwards G, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):807–12
Chronic peripelvic extravasation treated conservatively. Davies P, et al. **Br J Urol** 1981 Oct;53(5):412–5
Undinism: the fetishization of urine. Denson R. **Can J Psychiatry** 1982 Jun;27(4):336–8
Reduction of cis-diamminedichloroplatinum nephrotoxicity in rats by optimal circadian drug timing. Levi FA, et al. **Cancer Res** 1982 Mar;42(3):950–5
A uridine adduct with an ester of the carcinogen 3-hydroxy-1-methylxanthine. Stöhrer G, et al. **Chem Biol Interact** 1982 Jul 15;41(1):117–29
Diffuse extravasation of urine after renal transplant. Front D, et al. **Clin Nucl Med** 1981 Oct;6(10):479–80
Effects of increasing urinary pH on cigarette smoking. Cherek DR, et al. **Clin Pharmacol Ther** 1982 Aug; 32(2):253–60
Urinary crystal growth: effect of inhibitor mixtures. Werness PG, et al. **Clin Sci** 1981 Oct;61(4):487–91
The case for routinely testing the first-voided urine specimen. Davidson MB. **Diabetes Care** 1981 May–Jun;4(3):443–4
A simplified method of monitoring urine output with bilateral ureteral catheters in place. Rubin RJ, et al. **Dis Colon Rectum** 1981 Nov–Dec;24(8):647
Effect of urinary acidifiers on formaldehyde concentration and efficacy with methenamine therapy. Nahata MC, et al. **Eur J Clin Pharmacol** 1982;22(3):281–4
Effect of urinary pH on the disposition of methadone in man. Nilsson MI, et al. **Eur J Clin Pharmacol** 1982;22(4):337–42
Scintigraphic detection of urinary leakage after kidney transplantation. DeLange EE, et al. **Eur J Nucl Med** 1982; 7(2):55–7
Spontaneous urinary extravasation in association with renal colic: report of eight cases. Francis SI, et al. **Int Surg** 1981 Oct–Dec;66(4):363–5
Immunochemical measurement of airborne mouse allergens in a laboratory animal facility. Twiggs JT, et al. **J Allergy Clin Immunol** 1982 Jun;69(6):522–6
Urine evaporative loss and effects on specific gravity and osmolality. Williams PR, et al. **J Pediatr** 1982 Apr; 100(4):626–8
The effect of uretero-peritoneostomy on renal mass in rats with porto-caval shunts. Gittes GK, et al. **J Urol** 1982 Aug;128(2):411–3
Green urine [letter] Norfleet RG. **JAMA** 1982 Jan 1;247(1):29
Ionic requirements of proximal tubular fluid reabsorption flow dependence of fluid transport. Green R, et al. **Kidney Int** 1981 Nov;20(5):580–7
Crystalline deposits in infant urine due to x-ray constrast medium [letter] Pettit BR, et al. **Lancet** 1982 Jul 3; 2(8288):46–7
Novel method for measuring specific gravity of urine [letter] Taylor A, et al. **Lancet** 1982 Oct 2;2(8301):775
Urine collection in incontinent patients [letter] Waddell WR. **Lancet** 1982 Aug 14;2(8294):394
Non-mutagenicity of urine from coffee drinkers compared with that from cigarette smokers. Aeschbacher HU, et al. **Mutat Res** 1981 Jun;89(2):161–77
Urine-mediated Ames test: interactions. Aeschbacher HU, et al. **Mutat Res** 1982 Feb;103(2):127–31
Ultrasonographic diagnosis of uriniferous perirenal pseudocyst. Itoh S, et al. **Pediatr Radiol** 1982;12(3):156–8
Spontaneous urinoma with peripheral neuropathy. Kogan J. **Postgrad Med** 1982 Feb;71(2):103–5, 108
An electrophoretic fraction of urinary glycosaminoglycans reflecting connective tissue turnover. Poulsen JH. **Scand J Clin Lab Invest** 1981 Nov;41(7):675–81
Ultrasonic assessment of residual urine volume. Rageth JC, et al. **Urol Res** 1982;10(2):57–60
Spontaneous urinary extravasation secondary to primary ureteric carcinoma. Bryniak SR, et al. **Urology** 1982 Jun; 19(6):645–7
Neonatal perirenal urinary extravasation with posterior urethral valves. Cass AS, et al. **Urology** 1981 Sep; 18(3):258–61
Case profile: spontaneous urinary extravasation associated with renal colic. DeRidder PA. **Urology** 1982 Jan; 19(1):96–7
Effect of Dilantin on color of urine [letter] Rosenberg JW. **Urology** 1982 Aug;20(2):226
Effects of dietary changes on alkalinization of urine pH. Rauber AP, et al. **Vet Hum Toxicol** 1981,23(Suppl 1):46–7
[Traumatic urothorax in childhood: report of 3 cases (author's transl)] Xue F. **Chung Hua Wai Ko Tsa Chih** 1981 Sep; 19(9):561–2 (Eng. Abstr.) **(Chi)**
[Rationalization of urine analysis while maintaining diagnostic accuracy (author's transl)] Bonard C, et al. **Dtsch Med Wochenschr** 1982 Feb 19;107(7):249–51 (Eng. Abstr.) **(Ger)**
[Induced crystalluria. A method of investigating patients with urinary lithiasis undergoing medical treatment] Fantastico T. **Minerva Urol** 1982 Apr-Jun;34(2):95–9 (Eng. Abstr.) **(Ita)**
[Spontaneous extravasation of urine in pyelo-ureteral colic. Etiopathogenetic and clinico-radiologic aspects] Guariglia A, et al. **Recenti Prog Med** 1981 Oct;71(4):381–99 **(Ita)**
[Relationship among urine, urinary electrolyte excretions, renin aldosterone- and kallikrein-system in healthy young Japanese and American women—analysis of circadian rhythm by Cosinor method and correlation of acrophase and amplitude in circadian rhythm among the variables (author's transl)] Ueno M. **Fukuoka Igaku Zasshi** 1982 Feb; 73(2):109–24 (Eng. Abstr.) **(Jpn)**
[Urinary sample collection and physical analysis of the urinary contents (urinary volume, urination frequencies, specific gravity, osmotic pressure, and refractive index)] Orita Y, et al. **Rinsho Byori** 1982 Mar;Suppl 49:7–14 **(Jpn)**
[Toxicological and hygienic aspects of increasing the efficiency of the afterpurification of the water regenerated from urine] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):51–4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Performances of urine pregnancy tests on College of American Pathologists Survey specimens. Biesecker JL, et al. **Am J Clin Pathol** 1981 Oct;76(4 Suppl):544–6
The importance of microscopic examination of the urinary sediment. Szwed JJ, et al. **Am J Med Technol** 1982 Feb; 48(2):141–3
Qualitative biochemical urine testing: the case for selectivity. Zilva JF. **Ann Clin Biochem** 1982 Jan;19(Pt 1):8–11
Influence of urinary pH on the pharmacokinetics of cinoxacin in humans and on antibacterial activity in vitro. Barbhaiya

RH, et al. **Antimicrob Agents Chemother** 1982 Mar; 21(3):472–80

Effect of dietary citrinin on urine excretion in broiler chickens. Gustavson SA, et al. **Avian Dis** 1981 Oct–Dec; 25(4):827–30

Demonstration of estrus-related odors in cow urine by operant conditioning of rats. Ladewig J, et al. **Biol Reprod** 1981 Jun;24(5):1165–9

Implications of the finding of calcium carbonate in rabbit urine with respect to renal acidification. Tam SC, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):800–5

Effects of rat urine fractionated by molecular weight on urinary bladder carcinogenesis. Babaya K, et al. **Cancer Res** 1982 Jan;42(1):15–8

Urinalysis: minimizing microscopy [letter] Benham L, et al. **Clin Chem** 1982 Jul;28(7):1722

Normalization and reproducibility of mass profiles in the detection of individual differences from urine. Marcuson R, et al. **Clin Chem** 1982 Jun;28(6):1346–8

Analytical goals for quantitative urine analysis: a clinical view [letter] Shepard MD, et al. **Clin Chem** 1981 Nov; 27(11):1939–40

Meperidine disposition in man: influence of urinary pH and route of administration. Verbeeck RK, et al. **Clin Pharmacol Ther** 1981 Nov;30(5):619–28

Results of urinalysis and bacterial culture of canine urine obtained by antepubic cystocentesis, catheterization, and the midstream voided methods. Comer KM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):891–5

Urine screening for drugs by EMIT. Fletcher SM. **J Forensic Sci Soc** 1981 Oct;21(4):327–32

Vanadate inhibits urinary acidification by the turtle bladder. Arruda JA, et al. **Kidney Int** 1981 Dec;20(6):772–9

Urinalysis in an Australian teaching hospital. Shephard MD, et al. **Med J Aust** 1982 Apr 3;1(7):300–1

Collection of metabolites in bile and urine from the rat. Mulder GJ, et al. **Methods Enzymol** 1981;77:21–30

Induction of sister-chromatid exchanges, cell-cycle delay and chromosomal aberrations by human urine concentrates. Beek B, et al. **Mutat Res** 1982 Feb 22;92(1–2):333–60

Analytical goals for quantitative urine analysis. Shephard MD, et al. **Pathology** 1981 Jul;13(3):543–6

Regulation of urine osmolality in fetal sheep. Wintour EM, et al. **Q J Exp Physiol** 1982 Jul;67(3):427–35

Characterisation of urinary crystals and thin polished sections of urinary calculi by means of an optical microscopic and scanning electron microscopic arrangement. Hesse A, et al. **Urol Int** 1981;36(5):281–91

[Standardization of findings in urinary sediment] Tobiška J. **Vnitr Lek** 1982 Feb;28(2):168–72 (Eng. Abstr.) **(Cze)**

[Rapid demonstration of urinary leucocytes with a new leucocyte test-strip. A multicentre cooperative study (author's transl)] **Dtsch Med Wochenschr** 1982 Jun 4; 107(22):853–7 (Eng. Abstr.) **(Ger)**

[Determination of normal urine values in children following deprivation as a kidney function test. I. Theoretic bases and equipment requirements] Nentwich HJ, et al. **Z Arztl Fortbild (Jena)** 1982 Feb 15;76(4):134–9 **(Ger)**

[Determination of normal urine values in children following fluid deprivation as a kidney function test. III. Patients with chronic pyelonephritis] Nentwich HJ, et al. **Z Arztl Fortbild (Jena)** 1982 Feb 15;76(4):143–7 **(Ger)**

[Physico-chemical principles of crystallization processes in the urine] Raczka A, et al. **Postepy Hig Med Dosw** 1981 Nov–Dec;34(6):525–37 (29 ref.) (Eng. Abstr.) **(Pol)**

[The effect of drugs on clinical and biochemical measurements] Majkić-Singh N. **Vojnosanit Pregl** 1982 Mar–Apr;39(2):110–4 **(Scr)**

[Forerunners of uroscopy in times preceding laboratory diagnosis] Brummer P. **Nord Med** 1981 Dec;96(12):325 **(Swe)**

CYTOLOGY

Increased abnormal urothelial cells in voided urine following excretory urography. Fischer S, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):153–8

Scanning electron microscopy after cytologic examination of urinary cells: lack of diagnostic advantage using combined microscopy. Gilchrist KW, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):92–5

Monocytic leukemia cells in urine a case report. Kepner LE, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):335–7

Ciliated cells in voided urine [letter] Palombini L. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):263–4

Studies on kidney function in subjects exposed to organic solvents. III. Excretion of cells in the urine. Askergren A. **Acta Med Scand** 1981;210(1–2):103–6

Bladder cancer diagnosis by image analysis of cells in voided urine using a small computer. Sherman A, et al. **Anal Quant Cytol** 1981 Sep;3(3):239–49

Urine cytology: early diagnosis of induced carcinoma of the rat urinary bladder. Reznik G, et al. **Anticancer Res** 1981; 1(6):389–92

Urine cytology in patients of renal transplant. Verma K, et al. **Indian J Med Res** 1982 Jan;75:94–100

Urine cytology in patients with calculi. Highman W, et al. **J Clin Pathol** 1982 Mar;35(3):350–6

Urinalysis specimen as a detection test for cancer. Holmquist ND, et al. **J La State Med Soc** 1982 Jan–Feb;134(1):25–7

The diagnostic value of urine versus bladder washing in patients with bladder cancer. Murphy WM, et al. **J Urol** 1981 Sep;126(3):320–2

Evaluation of hematuria [letter] Koss LG. **JAMA** 1982 Mar 5;247(9):1274

Urinary cytology as a test in mass screening. Nemoto R, et al. **Tohoku J Exp Med** 1981 Sep;135(1):115–6

Fine structure of cultured epithelial cells derived from voided urine of normal adults. Shokri-Tabibzadeh S, et al. **Virchows Arch [Cell Pathol]** 1982;39(1):41–8

[Screening of leukocyturia using the Cytur Test (Boehringer) test papers] Janda J, et al. **Cesk Pediatr** 1982 Mar; 37(3):155–6 (Eng. Abstr.) **(Cze)**

[Urine sediment in the newborn (author's transl)] Pellet H, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):112–8 (Eng. Abstr.) **(Fre)**

[Phase contrast microscopy of renal tubular cells in urinary sediment (author's transl)] Pellet H, et al. **Arch Anat Cytol Pathol** 1981;29(4):228–32 (Eng. Abstr.) **(Fre)**

[Clinical importance of sampling method in leucocyturia (author's transl)] Fuchs T, et al. **Dtsch Med Wochenschr** 1982 Mar 19;107(11):424–6 (Eng. Abstr.) **(Ger)**

[Clinical value of ascorbic acid disorders in determining glucose and erythrocytes on urine test strips] Seiler D, et al. **Med Lab (Stuttg)** 1981 Dec;34(12):327–30 **(Ger)**

[Examination of urine sediment using the MD-Kova system] Bauer HW. **Med Welt** 1982 Jun 18;33(24):875–8 **(Ger)**

[Measuring of urine cells by a high resolution microscope cytophotometric system (author's transl)] Aeikens B, et al. **Urologe [Ausg A]** 1982 Mar;21(2):98–101 (Eng. Abstr.) **(Ger)**

[Value of urinary cytology in urological diagnosis. Report after ten years (author's transl)] Jocham D, et al. **Urologe [Ausg A]** 1982 Mar;21(2):79–83 (Eng. Abstr.) **(Ger)**

[Urinary cytology in office urology (author's transl)] Rathert P, et al. **Urologe [Ausg A]** 1982 Mar;21(2):67–72 (Eng. Abstr.) **(Ger)**

[Urinary cytology] Truss F. **Urologe [Ausg A]** 1982 Mar; 21(2):65–6 **(Ger)**

[Comparative studies on the evaluation of leukocyturia by means of counting chambers, sediment microscopy and the Cytur test] Pöge AW, et al. **Z Gesamte Inn Med** 1981 Dec 1;36(23):930–3 (Eng. Abstr.) **(Ger)**

[Eosinophiluria as a simple diagnostic test of penicillin nephropathy (author's transl)] Pocecco M, et al. **Pediatr Med Chir** 1981 Jan–Feb;3(1):37–9 **(Ita)**

[A study on the counting and expressing method of erythrocytes observed in sediment by centrifuging fresh urine (author's transl)] Sugita M, et al. **Nippon Eiseigaku Zasshi** 1981 Oct;36(4):694–700 (Eng. Abstr.) **(Jpn)**

[beta-Thromboglobulin in urine with special reference to the relationship to platelet-like bodies in urine (author's transl)] Kono N, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar; 72(3):313–21 (Eng. Abstr.) **(Jpn)**

[Identification of cancer cells with Papanicolaou staining in cases of false positive in urinary sediment (author's transl)] Masuda K, et al. **Rinsho Byori** 1981 Jun;29(6):633–5 **(Jpn)**

[The value of urinary cytology in vesical carcinoma] Netto Júnior NR, et al. **AMB** 1981 Jul;27(7):200–2 (Eng. Abstr.) **(Por)**

[Determination of the leukocyte count in the urine using diagnostic strips] Bekbergenov BM, et al. **Lab Delo** 1982; (2):73–5 (Eng. Abstr.) **(Rus)**

[Use of cell membrane stabilizers for cytological and cytochemical studies of urinary sediment in children with urinary tract diseases] Sitnikova VP, et al. **Pediatriia** 1981 Sep;(9):23–5 (Eng. Abstr.) **(Rus)**

[Use of the 'minute count' of urinary erythrocytes in the genetic assessment of families with Alport's disease] Guízar-Vázquez J, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):349–53 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Development of resistance to nephrotoxic insult: changes in urine composition and kidney morphology on repeated exposures to mercuric chloride or biphenyl. Kluwe WM. **J Toxicol Environ Health** 1982 Apr;9(4):619–35

ENZYMOLOGY

[Urinary enzymes. Characterization and diagnostic use] Mondorf AW. **MMW** 1982 Mar 12;124(10):230 **(Ger)**

IMMUNOLOGY

Detection of Legionella antigenuria by reverse passive agglutination. Tang PW, et al. **J Clin Microbiol** 1982 Jun; 15(6):998–1000

Opsonic effect of normal and infected human urine on phagocytosis of Escherichia coli and yeasts by neutrophils. Suzuki Y, et al. **J Urol** 1982 Feb;127(2):356–60

MICROBIOLOGY

Urinary pathogens and urinary contaminants. Krátký V. **Acta Univ Carol [Med] (Praha)** 1980;26(1–2):89–103

Clinical and laboratory efficiency of rapid screening urine cultures by nephelometry. Heinz T, et al. **Am J Clin Pathol** 1982 Mar;77(3):305–11

Use of solid medium for isolation of leptospires of the Hebdomadis serogroup from bovine milk and urine. Thiermann AB. **Am J Vet Res** 1981 Dec;42(12):2143–5

The resistance of polyglycolic acid sutures to attack by infected human urine. Holbrook MC. **Br J Urol** 1982 Jun; 54(3):313–5

Effect of bacteriologic monitoring of urinary catheters on recognition and treatment of hospital-acquired urinary tract infections. Jacobson JA, et al. **Infect Control** 1981 May–Jun;2(3):227–32

Mannose-specific adherence of Escherichia coli freshly excreted in the urine of patients with urinary tract infections, and of isolates subcultured from the infected urine. Ofek I, et al. **Infect Immun** 1981 Dec;34(3):708–11

Effects of storage time and temperature on quantitative culture of canine urine. Padilla J, et al. **J Am Vet Med Assoc** 1981 May 15;178(10):1077–81

Evidence against the practicality and cost-effectiveness of a gram-positive coccal selective plate for routine urine cultures. Bale MJ, et al. **J Clin Microbiol** 1981 Dec; 14(6):617–9

Evaluation of the B-D urine culture kit. Guenther KL, et al. **J Clin Microbiol** 1981 Dec;14(6):628–30

Cost analysis of the Auto Microbic system urine identification card. Hamoudi AC, et al. **J Clin Microbiol** 1981 Oct; 14(4):411–4

Rapid identification by the Micro-ID system of Enterobacteriaceae detected by urine screening. Kelly MT, et al. **J Clin Microbiol** 1981 Sep;14(3):295–7

Slide method for detection of antibody-coated bacteria in urine sediments. Matuscak RR, et al. **J Clin Microbiol** 1980 Dec;12(6):761–3

Urine culture transport tubes: effect of sample volume on bacterial toxicity of the preservative. Nickander KK, et al. **J Clin Microbiol** 1982 Apr;15(4):593–5

Screening of urine cultures by three automated systems. Pezzlo MT, et al. **J Clin Microbiol** 1982 Mar;15(3):468–74

Intermediate size papovavirus particles in pregnancy urine. Lecatsas G, et al. **J Gen Virol** 1981 Feb;52(Pt 2):359–62

Pathogenic microbes isolated from rabbit urine. Akinboade OA, et al. **Lab Anim** 1981 Jul;15(3):277–9

Bacterial adherence and the urinary tract [letter] **Lancet** 1982 Jun 12;1(8285):1352–3

Lack of adherence to epithelial cells by freshly isolated urinary pathogens. Harber MJ, et al. **Lancet** 1982 Mar 13; 1(8272):586–8

Comparison of urine bag-changing regimens in elderly catheterised patients. Reid RI, et al. **Lancet** 1982 Oct 2; 2(8301):754–6

Microbiology of the urethral syndrome [letter] Seal DV, et al. **Lancet** 1982 Mar 20;1(8273):680–1

Evaluation of Gram-stain screen and Micro-ID methods for direct identification of Enterobacteriaceae from urines. Appelbaum PC, et al. **Med Microbiol Immunol (Berl)** 1982; 170(3):173–84

Pili mediated agglutination of Serratia marcescens in human urine. Amako K, et al. **Microbiol Immunol** 1981; 25(10):981–92

The significance of antibody coated bacteria in neuropathic bladder urines. Lindan R. **Paraplegia** 1981;19(4):216–9

Simplified urinary microscopy to detect significant bacteriuria. Corman LI, et al. **Pediatrics** 1982 Jul; 70(1):133–5

Suprapubic bladder puncture in a private pediatric practice. Simon G. **Postgrad Med** 1982 Jul;72(1):63–4, 66

Human polyomavirus in herpes keratitis lesions following renal transplantation [letter] Lecatsas G, et al. **S Afr Med J** 1982 May 15;61(20):731–2

A study on the etiological factors of bilharzial bladder cancer in Egypt. 6. The possible role of urinary bacteria. El-Aaser AA, et al. **Tumori** 1982 Feb 28;68(1):23–8

[Assessing the incidence of asymptomatic bacteriuria in pregnancy by means of the Dornfest method as a screening test] de Wet A, et al. **S Afr Med J** 1982 Aug 21;62(9):285 (Eng. Abstr.) **(Afr)**

[Comparative study of urine in dogs using Urotube vet. Roche, Bactrim-Urotube and standard bacteriological methods] Häusermann L, et al. **Schweiz Arch Tierheilkd** 1981 Sep;123(9):483–90 (Eng. Abstr.) **(Ger)**

[Evaluation of a new system for simultaneous identification and antibiograms of enterobacteria from urine] Nicolosi VM, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec; 73(7–12):281–93 (Eng. Abstr.) **(Ita)**

[Bacteriuria screening with bioluminescence method (author's transl)] Chiaradia V, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):376–81 **(Ita)**

[Rapid screening of urine cultures with a semi-automatic instrument (author's transl)] Rigolin F, et al. **Quad Sclavo Diagn** 1981 Sep;17(3):241–51 (Eng. Abstr.) **(Ita)**

[Laboratory evaluation for urine identification card in the automated microbial system (author's transl)] Furuta I, et al. **Kansenshogaku Zasshi** 1981 Mar;55(3):149–54 (Eng. Abstr.) **(Jpn)**

[Bacteriological tests of the urine and urinary tract infections] Kobayasi A. **Rinsho Byori** 1982 Mar;Suppl 49:23–8 **(Jpn)**

[Comparative evaluation of the antimicrobial activity of urine preservatives] Lebedeva TE, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):64–6 (Eng. Abstr.) **(Rus)**

[Effect of typical representatives of urinary and manned sealed-cabin microflora on the hydrolysis of urea] Lebedeva TE, et al. **Kosm Biol Aviakosm Med** 1982

Jan-Feb;16(1):84-6 **(Rus)**

PARASITOLOGY

Scabies mites (Sarcoptes scabiei) in urine. Rahman M. **J Hosp Infect** 1981 Mar;2(1):101-2

Analysis and preliminary purification of glycoproteins isolated from eggs in the urine of patients with Schistosoma haematobium infection. Hamburger J, et al. **J Immunol** 1982 Oct;129(4):1711-4

PHYSIOLOGY

Endogenous cryogen excreted by the kidneys. Kluger MJ, et al. **Am J Physiol** 1981 Nov;241(5):R271-6

Acceleration and delay of puberty in female housemice: methods of delivery of the urinary stimulus. Drickamer LC, et al. **Dev Psychobiol** 1981 Sep;14(5):487-97

Distinctive urinary odors governed by the major histocompatibility locus of the mouse. Yamaguchi M, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5817-20

URINE CONCENTRATING ABILITY see **KIDNEY CONCENTRATING ABILITY**

UROBILIN

ANALYSIS

A spectrometric study of the fluorescence detection of fecal urobilinoids. Lloyd JB, et al. **J Forensic Sci** 1982 Apr; 27(2):352-65 (18 ref.)

ISOLATION & PURIFICATION

High-performance liquid chromatography of bile pigments: separation and characterization of the urobilinoids. Bull RV, et al. **J Chromatogr** 1981 Nov 20;218:647-52

UROBILINOGEN

URINE

Calibration of a strip test for urinary urobilinogen using a mercuric chloride assay with crystalline reference standards. Fetter MC, et al. **Am J Med Technol** 1981 Sep; 47(9):729-35

Urinary urobilinogen determined by a mercuric chloride procedure. Rupe CO, et al. **Clin Chem** 1981 Aug; 27(8):1385-7

UROCANASE see under **HYDRO-LYASES**

UROCANIC ACID see under **IMIDAZOLES**

UROCHORDATA

ANALYSIS

Gastro-intestinal and neurohormonal peptides in the alimentary tract and cerebral complex of Ciona intestinalis (Ascidiaceae). Fritsch HA, et al. **Cell Tissue Res** 1982; 223(2):369-402

Troponin and its components from ascidian smooth muscle. Endo T, et al. **J Biochem (Tokyo)** 1981 May;89(5):1599-608

Cholecystokinin (CCK)/gastrin-like immunoreactive neurones in the cerebral ganglion of the protochordate ascidians Styela clava and Ascidiella aspersa. Thorndyke MC. **Regul Pept** 1982 Mar;3(3-4):281-8

ANATOMY & HISTOLOGY

Cytochemical investigations on endocrine-like cells of the digestive tract of the ascidian Styela plicata. Pestarino M. **Basic Appl Histochem** 1982;26(2):107-16

CYTOLOGY

Ultrastructural and cytochemical studies on the blood cells of the sea squirt, Ciona intestinalis. I. Stem cells and amoebocytes. Rowley AF. **Cell Tissue Res** 1982; 223(2):403-14

EMBRYOLOGY

Extracellular potassium requirement for cell cycle activation in fertilized Ascidia malaca eggs. Di Pisa G, et al. **Acta Embryol Morphol Exp** 1980 Apr;1(1):83-8

The influence of LiCL on animal halves isolated from ascidian eggs. Ferruzza N, et al. **Acta Embryol Morphol Exp** 1981 Aug;2(1):57-67

Morphological and cytochemical investigations on the formation of the test during the embryonic development of Ciona intestinalis. Gianguzza M, et al. **Acta Embryol Morphol Exp** 1980 Dec;1(3):225-39

Autophagic activity in the mesenchyme cells of Ciona embryo. Mancuso V, et al. **Acta Embryol Morphol Exp** 1981 Aug;2(1):3-13

An epithelial localization of acetylcholinesterase in the ascidian Ciona intestinalis embryos and larvae. Minganti A, et al. **Acta Embryol Morphol Exp** 1980 Oct;1(2):143-55

Cyclic nucleotides in ascidian embryonic development. I. Cyclic nucleotides determination. Puccia E, et al. **Acta Embryol Morphol Exp** 1980 Oct;1(2):137-42

Cyclic nucleotides in ascidian embryonic development II. Cyclic nucleotides and related compounds in cultured embryos. Puccia E, et al. **Acta Embryol Morphol Exp** 1980 Dec;1(3):217-23

On the 'clock' mechanism determining the time of tissue-specific enzyme development during ascidian embryogenesis. II. Evidence for association of the clock with the cycle of DNA replication. Satoh N, et al. **J Embryol Exp Morphol** 1981 Aug;64:61-71

Development of sodium, calcium and potassium channels in the cleavage-arrested embryo of an ascidian. Takahashi K, et al. **J Physiol (Lond)** 1981 Jun;315:515-29

GROWTH & DEVELOPMENT

Ascidian larval tunic: Extraembryonic structures influence morphogenesis. Cloney RA, et al. **Cell Tissue Res** 1982; 222(3):547-62

IMMUNOLOGY

Allogeneic cellular reactions between intra-specific types of a solitary ascidian, Halocynthia roretzi. Fuke MT, et al. **Dev Comp Immunol** 1982 Spring;6(2):253-61

Carbohydrate binding specificity and purification by biospecific affinity chromatography of Ascidia malaca Traust. hemagglutinins. Parrinello N, et al. **Dev Comp Immunol** 1982 Winter;6(1):53-64

Studies on colony specificity in the compound ascidian, Botryllus primigenus Oka. I. Initiation of 'nonfusion' reaction with special reference to blood cells infiltration. Taneda Y, et al. **Dev Comp Immunol** 1982 Winter;6(1):43-52

Studies on colony specificity in the compound ascidian, Botryllus primigenus Oka. II. In vivo bioassay for analyzing the mechanism of 'nonfusion' reaction. Taneda Y, et al. **Dev Comp Immunol** 1982 Spring;6(2):243-52

The properties of two sea-squirt antigens. Oka S, et al. **J Biochem (Tokyo)** 1982 Jan;91(1):247-55

Immunogenic properties of two types of sea-squirt antigens. Oka S, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1403-9

Protochordate allorecognition is controlled by a MHC-like gene system. Scofield VL, et al. **Nature** 1982 Feb 11; 295(5849):499-502

METABOLISM

The ascidian sperm reaction: Ca2+ uptake in relation to H+ efflux. Lambert CC, et al. **Dev Biol** 1981 Dec;88(2):312-7

Stimulation of gastric enzyme secretion by porcine cholecystokinin in the ascidian Styela clava. Bevis PJ, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):458-64

Synthesis of fucosyl-containing glycoproteins of the vitelline coat in oocytes of Ciona intestinalis (Ascidia). Rosati F, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):1908-11

RNA and protein synthesis during oogenesis of Ciona intestinalis. Cotelli F, et al. **Prog Clin Biol Res** 1982;85 Pt A:381-7

PHYSIOLOGY

Functions of digestive diverticula in marine invertebrates. I. Ascidians fed with labelled glucose; its absorption and storage in the pyloric gland. Gaill F. **Cell Tissue Res** 1981; 219(1):185-95

Evidence for participation of sperm proteinases in fertilization of the solitary ascidian, Halocynthia roretzi: effects of protease inhibitors. Hoshi M, et al. **Dev Biol** 1981 Aug;86(1):117-21

The ascidian sperm reaction: evidence for Cl- and HCO3- involvement in acid release. Lambert CC. **Dev Biol** 1982 Jun;91(2):257-62

DNA replication is required for tissue-specific enzyme development in ascidian embryos. Satoh N. **Differentiation** 1982;21(1):37-40

Activation and reactivation of Ciona spermatozoa. Brokaw CJ. **Prog Clin Biol Res** 1982;80:185-9

ULTRASTRUCTURE

An electron microscope study of spermiogenesis and spermatozoa of Molgula impura and Styela plicata (Ascidiacea, Tunicata). Villa L. **Acta Embryol Morphol Exp** 1981 Aug;2(1):69-85

The spermatozoa and spermiogenesis of Perophora formosana (Ascidia) with special reference to the striated apical structure and the filamentous structures in the mitochondrion. Fukumoto M. **J Ultrastruct Res** 1981 Oct; 77(1):37-53

URODELA

Toxic salamanders [letter] Brodie ED Jr. **JAMA** 1982 Mar 12;247(10):1408

ANATOMY & HISTOLOGY

Gut-associated lymphoid tissue (GALT) in the amphibian urodele Pleurodeles waltl. Ardavin CF, et al. **J Morphol** 1982 Jul;173(1):35-41

Morphology and evolution of the acoustic-lateral area in the rhombencephalon of Salamandridae. I. Salamandra salamandra. Gómez Segade LA. **Trab Inst Cajal Invest Biol** 1980;71(2):91-118

The zone of mature spermatozoa in the testis of Salamandra salamandra (L.) (Amphibia, Urodela). Bergmann M, et al. **Z Mikrosk Anat Forsch** 1982;96(2):221-34

EMBRYOLOGY

Development of amphibian thymus. II. Sequential occurence of two epithelial cell types in the urodele Pleurodeles waltlii. Henry M, et al. **Dev Comp Immunol** 1981 Summer; 5(3):449-60

A comparative study of the effects of egg rotation (gravity orientation) and UV irradiation on anuran vs. urodele amphibian eggs. Chung HM, et al. **Differentiation** 1981; 18(3):185-9

GENETICS

Further evidence for calcitonin gene duplication: the identification of two different calcitonins in a fish, a reptile and two mammals. Perez Cano R, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):256-61

METABOLISM

Intestinal bicarbonate secretion in Amphiuma measured by pH stat in vitro: relationship with metabolism and transport of sodium and chloride ions. Imon MA, et al. **J Physiol (Lond)** 1981 May;314:429-43

The effect of theophylline on intestinal bicarbonate transport measured by pH stat in Amphiuma. Imon MA, et al. **J Physiol (Lond)** 1981 Dec;321:343-54

A comparative study of the deacetylation of paracetamol by urodele and anuran amphibian organ cultures. Clothier RH, et al. **Xenobiotica** 1981 Mar;11(3):149-57

PHYSIOLOGY

Isolated perfused salamander proximal tubule. II. Monovalent ion replacement and rheogenic transport. Sackin H, et al. **Am J Physiol** 1981 Nov;241(5):F540-55

Lens regeneration from the dorsal iris in Eurycea bislineata, the two-lined salamander. Berardi CA, et al. **Experientia** 1982 Jul 15;38(7):851-2

Diffusion-limited gas exchange across amphibian skin. Gatz RN. **Fed Proc** 1982 Apr;41(6):2137-9

Morphogenetic effect of rotated skin cuffs on tail regeneration in Plethodon cinereus. Dinsmore CE. **J Exp Zool** 1981 Feb;215(2):151-64

Chloride transport and intracellular chloride activity in the presence of theophylline in Amphiuma small intestine. White JF. **J Physiol (Lond)** 1981 Dec;321:331-41

Dynamics of glomerular ultrafiltration in Amphiuma means. Persson BE. **Pflugers Arch** 1981 Aug;391(2):135-40

The existence of a tubulo-glomerular feedback mechanism in the Amphiuma nephron. Persson BE, et al. **Pflugers Arch** 1981 Aug;391(2):129-34

Respiratory properties of blood in a strictly aquatic and predominantly skin-breathing urodele, Cryptobranchus alleganiensis. Boutilier RG, et al. **Respir Physiol** 1981 Nov; 46(2):161-76

Respiratory, circulatory and acid-base adjustments to hypercapnia in a strictly aquatic and predominantly skin-breathing urodele, Cryptobranchus alleganiensis. Boutilier RG, et al. **Respir Physiol** 1981 Nov;46(2):177-92

URODYNAMICS

Renal clearance of fluoride in a steady state condition in man: influence of urinary flow and pH changes by diet. Ekstrand J, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 May;50(5):321-5

Urodynamic studies in the normal menstrual cycle: the relationship between hormonal changes during the menstrual cycle and the urethral pressure profile. Van Geelen JM, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):384-92

The role of urethral pressure profile measurement in female patients with urethral carcinoma. Asmussen M, et al. **Ann Chir Gynaecol** 1982;71(2):122-5

Dorsal column stimulation in multiple sclerosis: effects on bladder, leg blood flow and peptides. Hawkes CH, et al. **Appl Neurophysiol** 1981;44(1-3):62-70

Critical evaluation of direct vision urethrotomy by urine flow measurement. Desmond AD, et al. **Br J Urol** 1981 Dec; 53(6):630-3

A subjective and urodynamic assessment of unilateral bladder neck incision for bladder neck obstruction. Moisey CU, et al. **Br J Urol** 1982 Apr;54(2):114-7

The urodynamic characteristics of multiple sclerosis. Philp T, et al. **Br J Urol** 1981 Dec;53(6):672-5

The predictive accuracy of antegrade pressure flow studies in equivocal upper tract obstruction. Witherow RO, et al. **Br J Urol** 1981 Dec;53(6):496-9

Feminine urinary incontinence and urodynamic examination. Porena M, et al. **Clin Exp Obstet Gynecol** 1981;8(3):96-102

Principles and methods of clinical urodynamic investigations. Constantinou CE. **Crit Rev Biomed Eng** 1982 Mar; 7(3):229-64

Bladder evacuating capacity after renal transplantation. Prát V, et al. **Czech Med** 1981;4(4):231-7

Urodynamic in the diagnosis and treatment of urinary stress incontinence. Giacobini S, et al. **Diagn Gynecol Obstet** 1982 Spring;4(1):5-10

Comment on influence of urine flow on creatinine clearance [letter] Roy MT. **Drug Intell Clin Pharm** 1982 Feb;16(2):163

The influence of urine flow on renal clearance of creatinine in patients with normal and impaired kidney function. Vree TB, et al. **Drug Intell Clin Pharm** 1981 Mar;15(3):194-8

Urodynamic evaluation after radical surgery for cervical

carcinoma. Preliminary results. Artibani W, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):158–63
The management of urinary incontinence. Barnard RJ. **Int Rehabil Med** 1982;4(1):21–6
High flow infravesical obstruction in men: symptomatology, urodynamics and the results of surgery. Gerstenberg TC, et al. **J Urol** 1982 May;127(5):943–5
Urodynamic norms in female voiding. II. The flow modulation zone and voiding dysfunction. Gleason DM, et al. **J Urol** 1982 Mar;127(3):495–500
Urodynamic evaluation of dysfunctional bladder neck obstruction in men [letter] Griffiths DJ. **J Urol** 1981 Nov; 126(5):706–7
Abdominal wall electromyography: a noninvasive technique to improve pediatric urodynamic accuracy. Koff SA, et al. **J Urol** 1982 Apr;127(4):736–9
Urodynamic manifestations of cerebellar ataxia. Leach GE, et al. **J Urol** 1982 Aug;128(2):348–50
The effect of a urethral catheter on the measurement of maximum urinary flow rate. Ryall RL, et al. **J Urol** 1982 Aug;128(2):429–32
An offive method for calibrating a uroflowmeter. Ryall RL, et al. **J Urol** 1982 Mar;127(3):482–3
Normal peak urinary flow rates obtained from small voided volumes can provide a reliable assessment of bladder function. Ryall RL, et al. **J Urol** 1982 Mar;127(3):484–8
Normal pediatric uroflow rates in a nonclinical setting. Toguri AG, et al. **J Urol** 1982 Apr;127(4):732–5
Pediatric uroflow rate nomograms. Toguri AG, et al. **J Urol** 1982 Apr;127(4):727–31
Late followup of dynamic evaluation of upper urinary tract obstruction. Wolk FN, et al. **J Urol** 1982 Aug;128(2):346–7
Ionic requirements of proximal tubular fluid reabsorption flow dependence of fluid transport. Green R, et al. **Kidney Int** 1981 Nov;20(5):580–7
Peristaltic flow of urine in the renal capillary collecting ducts of hamsters. Reinking LN, et al. **Kidney Int** 1981 Jul; 20(1):55–60
Flow dependence of fluid transport in the isolated superficial pars recta: evidence that osmotic disequilibrium between external solutions drives isotonic fluid absorption. Schafer JA, et al. **Kidney Int** 1981 Nov;20(5):588–97
Urodynamic assessment of the urologic patient. Werner JR, et al. **Nebr Med J** 1981 Nov;66(11):242–4
Urination during the first three years of life. Goellner MH, et al. **Nephron** 1981;28(4):174–8
Female incontinence. Evaluations: Where have we been? Where are we? Where should we go from here? **Prog Clin Biol Res** 1981;78:17–63
A new simple urodynamic apparatus. Abrams P, et al. **Prog Clin Biol Res** 1981;78:289–92
Semi-quantitative cystourethroscopic assessment of infravesical obstruction: a valid substitute for pressure–flow recordings? Andersen JT, et al. **Prog Clin Biol Res** 1981; 78:277–81
Analysis of methods to construct nomograms in uroflow studies. Bee DE, et al. **Prog Clin Biol Res** 1981;78:261–8
Urethral diverticula: urethral closure pressure profile: a preliminary report. Bhatia NN, et al. **Prog Clin Biol Res** 1981;78:239–42
A longterm study of the urodynamics of the untreated unstable bladder. Booth CM, et al. **Prog Clin Biol Res** 1981; 78:205–10
Urodynamics of the pyeloureteral system. Constantinou CE. **Prog Clin Biol Res** 1981;78:389–92
The static urethral closure pressure profile in female incontinence. A comparison between sphincter and detrusor incontinence. de Jonge MC, et al. **Prog Clin Biol Res** 1981;78:231–8
Reexamination of the intraurethral pressure determination using CO2 perfusion: its monitoring mechanism, standardization, and employment for the determination of the urethral constitutive property. Ghista DN, et al. **Prog Clin Biol Res** 1981;78:243–51
Urodynamic findings in patients after failure of stress incontinence operations. McGuire EJ. **Prog Clin Biol Res** 1981;78:351–60
Clinical experience of detrusor pressure recording by prevesical and intravesical suprapubic catheters. Nyman CR, et al. **Prog Clin Biol Res** 1981;78:133–7
The accuracy of clinical diagnoses assessed urodynamically. Powell PH, et al. **Prog Clin Biol Res** 1981;78:201–3
Microcomputer controlled urodynamic diagnostic system. Roskar E, et al. **Prog Clin Biol Res** 1981;78:299–306
Urodynamic and neurophysiologic significance of sacral somatic activity in the retention state of spinal shock patients. Rossier AB, et al. **Prog Clin Biol Res** 1981; 78:161–78
Urodynamic data collection system controlled by microcomputer (UDCS). Suhel P, et al. **Prog Clin Biol Res** 1981;78:295–7
Telemetric urodynamic investigations in female incontinence. Thüroff JW, et al. **Prog Clin Biol Res** 1981;78:211–22
The on-line determination of the maximal contraction velocity of the urinary bladder from an isometric contraction. van Mastrigt R. **Prog Clin Biol Res** 1981; 78:307–10
The rate of increase in urinary flow rate during micturition: a valuable urodynamic parameter for the diagnosis and differentiation of abnormalities of micturition in women. von Fischer B, et al. **Prog Clin Biol Res** 1981;78:223–30
Stress urinary incontinence pre- and postoperative urodynamic evaluation. Walter S, et al. **Prog Clin Biol Res** 1981;78:361–4
Urodynamics and the study of female incontinence: the state of the art as perceived by an outsider, with a modest proposal or, whither incontinence research. Yates FE. **Prog Clin Biol Res** 1981;78:1–14
Pressure flow studies in hydronephrosis. Kinn AC. **Scand J Urol Nephrol** 1981;15(3):249–55
Diagnosis of detrusor hyperactivity in children with neurogenic bladder. Naglo AS, et al. **Scand J Urol Nephrol** 1981;15(2):91–6
Clinical experiences of direct transmural measurement of the detrusor pressure. Nyman CR, et al. **Scand J Urol Nephrol** 1981;15(3):223–7
The urodynamic patterns and pathophysiology of the canine allotransplanted upper urinary tract. Rosenkilde Olsen P. **Scand J Urol Nephrol** 1981;15(3):303–8
Hydrodynamics of micturition following Marshall–Marchetti–Krantz procedure for stress urinary incontinence. Sjöberg B. **Scand J Urol Nephrol** 1982; 16(1):11–20
Hydrodynamics of micturition in stress-incontinent women. Comparisons of pressure and flow at different micturition volumes in stress-incontinent and continent women. Sjöberg B, et al. **Scand J Urol Nephrol** 1982;16(1):1–9
Urodynamic studies in boys with disorders of the lower urinary tract. V. Posterior urethral folds. A pre- and postoperative study. von Hedenberg C, et al. **Scand J Urol Nephrol** 1981;15(3):215–21
Urodynamic studies before and after retropubic urethropexy for stress incontinence in females. Beisland HO, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):333–6
A new synchronous video urodynamics. Nishizawa O, et al. **Tohoku J Exp Med** 1982 Mar;136(3):349–50
Combined urodynamic and ultrasonic techniques: a new diagnostic method for the lower urinary tract. Nishizawa O, et al. **Tohoku J Exp Med** 1982 Feb;136(2):231–2
Percutaneous pyeloureteral urodynamics. Pfister RC, et al. **Urol Clin North Am** 1982 Feb;9(1):41–9
The peakometer: an evaluation. Ball AJ. **Urol Int** 1982; 37(1):42–4
Initiation and propagation of canine renal pelvic peristalsis. Tsuchida S, et al. **Urol Int** 1981;36(5):307–14
Urorectodynamic evaluation of healthy volunteers. Abdel-Rahman M, et al. **Urology** 1982 May;19(5):559–64
Catheter as source of error in urodynamic study. Koraitim M. **Urology** 1982 Aug;20(2):223–5
Urethral syndrome or urinary tract infection? Schmidt RA, et al. **Urology** 1981 Oct;18(4):424–7
Pressure–flow analysis of micturition: a reappraisal. Shulman Y, et al. **Urology** 1982 Apr;19(4):450–2
Urodynamic assessment of anterior urethral constrictions. Studies with micturitional vesicourethral static pressure profile. Yalla SV, et al. **Urology** 1982 Jan;19(1):106–13
[An urethromanometric study using micro-pressures gauges for female urinary incontinence. A definition of the index of continence. Applications (author's transl)] Petipré C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(8):785–95 (Eng. Abstr.) **(Fre)**
[Clinical anatomic and urodynamic investigations in stress-incontinence women (author's transl)] Geier G, et al. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):679–82 (Eng. Abstr.) **(Ger)**
[Urodynamic studies are standard in today's diagnosis] Petri E, et al. **Med Klin [Prax]** 1982 Apr 9;77(8):28–33 **(Ger)**
[Urodynamic investigations. Volume/flow and pressure/flow relationship in children (author's transl)] Festge OA, et al. **Urol Int** 1981;36(6):353–67 (Eng. Abstr.) **(Ger)**
[Urodynamic findings in women after surgery for stress incontinence: urethrovesical suspension according to Pereyra (author's transl)] Peters FD, et al. **Urol Int** 1981; 36(5):315–21 (Eng. Abstr.) **(Ger)**
[Urodynamic findings in various degrees of female stress incontinence] Voigt R, et al. **Z Arztl Fortbild (Jena)** 1982 Feb;76(3):88–90 **(Ger)**
[Indications for urodynamic studies before and after adenomectomy] Lipsky H. **Z Urol Nephrol** 1982 Feb; 75(2):103–9 (Eng. Abstr.) **(Ger)**
[Comparison between urodynamic findings obtained prior to and during treatment of women for urinary urge incontinence (author's transl)] Voigt R, et al. **Zentralbl Gynakol** 1981;103(22):1357–63 (Eng. Abstr.) **(Ger)**
[Urodynamic evaluation in adenoma of the prostate] Acanfora F, et al. **Minerva Urol** 1981 Oct–Dec;33(4):283–8 (Eng. Abstr.) **(Ita)**
[Urodynamic studies on detrusor hyperreflexia. II. Pharmacological and physiological suppression of the detrusor hyperreflexia (author's transl)] Furuya S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec;72(12):1590–6 (Eng. Abstr.) **(Jpn)**
[Urodynamic studies on detrusor hyperreflexia. I. An urodynamic analysis of clinical pictures (author's transl)] Furuya S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1585–9 (Eng. Abstr.) **(Jpn)**
[Urodynamic study of lower urinary tract. XI. Clinical significance of unstable bladder (author's transl)] Kobayashi M, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1577–84 (Eng. Abstr.) **(Jpn)**
[The influence on the urinary tract function after modified radical hysterectomy (author's transl)] Sasaki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1875–80 (Eng. Abstr.) **(Jpn)**
[Upper urinary tract urodynamics in vesico-ureteral reflux in children] Derzhavin VM, et al. **Urol Nefrol (Mosk)** 1982 Mar–Apr;(2):11–5 (Eng. Abstr.) **(Rus)**
[Urodynamics of the upper urinary tracts after cystectomy] Sitdykova ME. **Urol Nefrol (Mosk)** 1981;(5):15–9 (Eng. Abstr.) **(Rus)**
[Parameter variation of isolated fluid flow measurement in relation to that taken simultaneously with the pressure] Verdú F, et al. **Actas Urol Esp** 1981 Sep–Oct;5(5):301–2 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Bethanechol chloride and the traumatic cord bladder. Light JK, et al. **J Urol** 1982 Jul;128(1):85–7
The effect of autonomic drugs on ureteric peristalsis: a canine in vivo study. Mayo ME, et al. **Urol Res** 1981;9(5):209–16
[Pharmacological effects on lower urinary tract dynamics] Hanuš T. **Rozhl Chir** 1982 Jan;61(1):42–6 (Eng. Abstr.) **(Cze)**
[Measurement of urinary flow in general practice. Efficacy of beta-sitosterine] Klingeberg J. **ZFA (Stuttgart)** 1981 Oct 10;57(28):1634–7 **(Ger)**
[Studies of urodynamics. VIII. Clinical and experimental studies of effects of prostaglandin E2 and prostaglandin F2 alpha on lower urinary tract (author's transl)] Kaneko S, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct; 72(10):1221–6 (Eng. Abstr.) **(Jpn)**
[Effect of low gestagen doses on the kidneys and urodynamics of the upper urinary tract] Khomauridze AG, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):56–7 **(Rus)**

UROGASTRONE see **EPIDERMAL GROWTH FACTOR-UROGASTRONE**

UROGENITAL NEOPLASMS

ANALYSIS

[Radioimmunoassay of SP1 in obstetrics and gynecological oncology] Conte N, et al. **Bol Soc Ital Biol Sper** 1982 Apr 30;58(8):504–8 (Eng. Abstr.) **(Ita)**

BLOOD

Evaluation of cellular fluidity of peripheral blood lymphocytes from patients with urogenital cancers by a fluorescence polarization technique: PHA response and prognosis. Sakamoto S, et al. **Eur J Cancer Clin Oncol** 1981 Oct;17(10):1105–15
[Peptide hormones LH, FSH, TSH, prolactin, beta-HCG and PTH in patients with urogenital tumors] Dunzendorfer U, et al. **Onkologie** 1981 Aug;4(4):188–92 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Long-term urinary and sexual problems in a patient with sarcoma botryoides. Silverstone AC, et al. **J R Soc Med** 1981 Dec;74(12):923–5
[Obstructive anuria. Apropos of 57 cases in 53 patients] Benchekroun A, et al. **Maroc Med** 1981 Mar;3(1):527–32 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Special problems of early detection of malignant tumors of the genito-urinary system (author's transl)] Mebel M, et al. **Arch Geschwulstforsch** 1981;51(8):679–84 **(Ger)**

DRUG THERAPY

Podophyllotoxin for condylomata acuminata eradication. Clinical and experimental comparative studies on Podophyllum lignans, colchicine and 5-fluorouracil. von Krogh G. **Acta Derm Venereol [Suppl] (Stockh)** 1981; 98:1–48
Orgotein efficacy in ameliorating side effects due to radiation therapy. Edsmyr F, et al. **Eur J Rheumatol Inflamm** 1981; 4(2):228–36
[Treatment of condyloma acuminatum with 0.5% 5-fluorouracil-solution. A double-blind clinical trial] Weismann K, et al. **Z Hautkr** 1982 Jun 1;57(11):810–6 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

The role of acid and alkaline DNases as tumour markers in cancer of the genitourinary tract. Lykourinas M, et al. **Urol Res** 1982;10(2):67–70

IMMUNOLOGY

[Studies on the immunologic competence in patients with urogenital cancers. II. The effect of abnormal serum proteins on nonspecific cellular immunity (author's transl)] Ono H. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug; 72(8):1078–91 (Eng. Abstr.) **(Jpn)**
[Studies on the immunologic competence in patients with urogenital cancers. I. Evaluation of nonspecific cellular immunity by delayed cutaneous hypersensitivity test and lymphocytes blastoid formation (author's transl)] Ono H. **Nippon Hinyokika Gakkai Zasshi** 1981 Aug;72(8):1064–77 (Eng. Abstr.) **(Jpn)**
[Immunological evaluation in urologic tumors] Glait HM,

et al. **Arch Esp Urol** 1981 Nov-Dec;34(6):437-60 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Analysis of human genital warts (condylomata acuminata) and other genital tumors for human papillomavirus type 6 DNA. Gissmann L, et al. **Int J Cancer** 1982 Feb 15; 29(2):143-6

MORTALITY

Cancer mortality in Iowa farmers [letter] Archer VE. **JNCI** 1981 Oct;67(4):743

OCCURRENCE

[Multiple primary tumors of the urogenital organs] Zak BI, et al. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):25-8 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Spontaneous regression of genitourinary cancer—an update. Katz SE, et al. **J Urol** 1982 Jul;128(1):1-4 (49 ref.)

Regrowth assay method for quantitative evaluation of drug-induced cell damage in vitro: clarification of cell reduction kinetics of anticancer drugs and differential drug sensitivities of genitourinary cancer cell lines. Hagiwara M. **Keio J Med** 1981 Sep;30(3):141-54

Fine-needle aspiration of metastatic lesions and regional lymph nodes in genitourinary cancer. Wajsman Z, et al. **Urology** 1982 Apr;19(4):356-60

[Transplantation and culture of human cancer cell line (author's transl)] **Nippon Hinyokika Gakkai Zasshi** 1982 Jan;73(1):56-63 **(Jpn)**

RADIONUCLIDE IMAGING

Augmented iliopelvic lymphoscintigraphy: application in the management of genitourinary malignancy. Ege GN. **J Urol** 1982 Feb;127(2):265-9

RADIOTHERAPY

A radiologic study of chronic radiation-induced injuries of the small intestine and colon. Bruneton JN, et al. **ROFO** 1982 Feb;136(2):129-32

SECRETION

Paraneoplastic endocrinopathies associated with nonrenal genitourinary tumors. Altaffer LF 3d. **J Urol** 1982 Mar; 127(3):411-6 (83 ref.)

THERAPY

Adjuvant therapy for genitourinary cancer. Messing E, et al. **Surg Clin North Am** 1981 Dec;61(6):1331-46

[Arterial embolization in tumors of the urogenital system] Viktorov I, et al. **Khirurgiia (Sofiia)** 1982;35(1):55-9 (Eng. Abstr.) **(Bul)**

UROGENITAL SYSTEM

ABNORMALITIES

Major anomalies of the genitourinary tract in the neonate. Pintér A. **Acta Paediatr Acad Sci Hung** 1982;23(1):51-8

Calcified meconium and persistent cloaca. Bear JW, et al. **AJR** 1981 Oct;137(4):867-8

Congenital hypertrophic pyloric stenosis and associated anomalies in the genitourinary tract. Atwell JD, et al. **J Pediatr Surg** 1981 Dec;16(6):1029-35

The importance of a careful search for intra-abdominal testes in cryptorchidism. Report of a case with failure of urogenital union. Bergdahl L, et al. **Scand J Urol Nephrol** 1981;15(2):153-5

[Prenatal diagnosis of an unusual type of urogenital malformation] Miglio C, et al. **Minerva Ginecol** 1981 Nov; 33(11):1025-32 **(Ita)**

[Persistent primitive cloaca: report of a case] Lodovici O, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct; 36(5):230-2 (Eng. Abstr.) **(Por)**

[Congenital defects of the urogenital system in children (clinicostatistical studies)] Kulakova TA. **Genetika (Moskva)** 1982 Mar;18(3):494-8 **(Rus)**

[Urologic aspects of ano-rectal malformations] Estornell Moragues F, et al. **Actas Urol Esp** 1981 May-Jun;5(3):181-8 (Eng. Abstr.) **(Spa)**

[Duplication of the structures derived from the primitive posterior intestine] Ruiz Montes A, et al. **An Esp Pediatr** 1981 Dec;15(6):602-3 **(Spa)**

[Prenatal echographic diagnosis of congenital urologic malformations and its prognosis value in the newborn infant] Vaccaro Cerva H, et al. **Rev Chil Obstet Ginecol** 1981;46(2):63-71 (Eng. Abstr.) **(Spa)**

ANALYSIS

Cytosol estrogen receptors in the urogenital tissues in stress-incontinent women. Ingelman-Sundberg A, et al. **Acta Obstet Gynecol Scand** 1981;60(6):585-6

Vasoactive intestinal polypeptide (VIP) in the male genitourinary tract: concentration and motor effect. Larsen JJ, et al. **Invest Urol** 1981 Nov;19(3):211-3

ANATOMY & HISTOLOGY

Hormonally responsive areas of the reproductive system of the male guinea pig. I. Morphology. Davies J, et al. **Biol Reprod** 1981 Dec;25(5):1135-47

The fasciae of the genito-urinary organs: historical, anatomical, and clinical aspects. Benjamin JA, et al. **Trans Stud Coll Physicians Phila** 1981 Dec;3(4):264-79

DRUG EFFECTS

Hormonally responsive areas of the reproductive system of the male guinea pig. II. Effects of estrogens. Davies J, et al. **Biol Reprod** 1981 Dec;25(5):1149-58

Summary and prospective statement concerning the genitourinary workshop. Frei E. **Cancer Clin Trials** 1981; 4 Suppl:25-9

Effects of Urol on isolated neuromuscular preparations of guinea pig and rat urogenital tracts (ureter, detrusor vesicae and vas deferens). Michailov MC, et al. **Urol Int** 1981; 36(4):225-34

EMBRYOLOGY

The apparent inhibition of urothelial DNA synthesis in neonatal rats by dietary saccharin. Lawson T, et al. **Cancer Lett** 1981 Aug;13(3):259-64

Sexual differentiation of the urogenital tract in the chicken embryo: autoradiographic localization of sex-steroid target cells during development. Gasc JM, et al. **J Embryol Exp Morphol** 1981 Jun;63:207-23

Stromal-epithelial interactions—I. Induction of prostatic phenotype in urothelium of testicular feminized (Tfm/y) mice. Cunha GR, et al. **J Steroid Biochem** 1981 Dec; 14(12):1317-24

[The role of foetal surgery in urology (author's transl)] Vallancien G, et al. **J Urol (Paris)** 1982;88(2):135-6 (Eng. Abstr.) **(Fre)**

INJURIES

Evaluation of genitourinary trauma. Cass AS. **Minn Med** 1981 Feb;64(2):71-4

[Urological emergencies in general practice. 8. Injuries in the region of the urogenital tract] Hofstetter A. **Fortschr Med** 1982 Jan 21;100(3):69-72 **(Ger)**

[Emergency care in urinary system trauma in obstetrical and gynecologic practice] Kan DV. **Akush Ginekol (Mosk)** 1981 Jul;(7):47-51 (Eng. Abstr.) **(Rus)**

INNERVATION

Enkephalin-immunoreactive nerve fibers in the feline genito-urinary tract. Alm P, et al. **Histochemistry** 1981; 72(3):351-5

[A macroscopical study of the somatic and visceral nerves innervating the male rat urogenital organs (author's transl)] Tanaka S, et al. **Kaibogaku Zasshi** 1981 Oct;56(5):400-14 (Eng. Abstr.) **(Jpn)**

METABOLISM

Oestrogen binding sites in nuclear fractions from the rat urogenital tract. Lindskog M, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar;50(3):238-40

Hormonally responsive areas of the reproductive system of the male guinea pig. III. Presence of cytoplasmic estrogen receptors. Danzo BJ, et al. **Biol Reprod** 1981 Dec; 25(5):1159-68

[Concentration of cefoperazone in various tissues of the urogenital system (author's transl)] Schalkhäuser K, et al. **Arzneimittelforsch** 1981;31(10):1770-2 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Prevalence and distribution of Haemophilus somnus in the male bovine reproductive tract. Humphrey JD, et al. **Am J Vet Res** 1982 May;43(5):791-5

Adhesion of uropathogenic Escherichia coli to epithelial cells from women with recurrent urinary tract infection. Schaeffer AJ, et al. **Infection** 1982;10(3):186-91

Recovery and identification of human genital tract mycoplasmas. Taylor-Robinson D, et al. **Isr J Med Sci** 1981 Jul;17(7):648-53

New concepts in genitourinary tract infections [interview] Turck M. **JAMA** 1981 Nov 6;246(18):2019-23

Bactericidal and bacteriostatic antigonococcal activities produced by urogenital staphylococci. Lafond L, et al. **Microbios** 1982;33(131):27-34

Antigonococcal and antibacterial spectra of some bacterial isolates of the urogenital flora. Bisaillon JG, et al. **Rev Can Biol** 1981 Jun;40(2):215-27

Distribution of ureaplasmas in the urogenital tract of ewes. McCaughey WJ, et al. **Vet Rec** 1981 Nov 21;109(21):472

[Chlamydia trachomatis on the march] Lambers JC, et al. **Ned Tijdschr Geneeskd** 1982 Jun 12;126(24):1080-4 (Eng. Abstr.) **(Dut)**

[Results of attempted isolation of Chlamydia trachomatis in 2,000 specimens (author's transl)] Ardoin P, et al. **Sem Hop Paris** 1982 Jun 17;58(24):1477-9 (Eng. Abstr.) **(Fre)**

RADIATION EFFECTS

Summary and prospective statement concerning the genitourinary workshop. Frei E. **Cancer Clin Trials** 1981; 4 Suppl:25-9

SURGERY

Isobaric tetracaine spinal anesthesia and the lithotomy position. Levin E, et al. **Anesth Analg (Cleve)** 1981 Nov; 60(11):810-3

Antibiotic prophylaxis in genitourinary surgery. Childs SJ, et al. **Clin Ther** 1981;4 Suppl A:111-23

Antibiotics for the prevention of septicaemia in urology. Cafferkey MT, et al. **J Antimicrob Chemother** 1982 Jun; 9(6):471-7

Post-operative urinary infection in urology [letter] Williams M. **J Hosp Infect** 1981 Jun;2(2):187-94

The transpubic approach in the management of problems of the lower genitourinary and intestinal tracts. Patil UB, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):97-101 (22 ref.)

UROGRAPHY

Comparison of the excretion of sodium and meglumine diatrizoate at urography with simulated compression: an experimental study in the rat. Owman T. **Acta Pharmacol Toxicol (Copenh)** 1981 Jul;49(1):21-7

Radiation doses to children at urologic radiography. Gustafsson M, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(3B):337-48

The 'spaghetti sign': an uncommon radiologic sign of upper urinary tract hemorrhage. Komolafe F. **AJR** 1981 Nov; 137(5):1062

Hypertensive urogram: a nondiscriminatory test for renovascular hypertension. Thornbury JR, et al. **AJR** 1982 Jan;138(1):43-9

Radiographic examinations of electroejaculation in marsupials. Rodger JC, et al. **Biol Reprod** 1981 Jun; 24(5):1125-34

Choice between US and CT in the radiological approach to the renal masses. Mobilio G, et al. **Diagn Imaging** 1982 Jan-Feb;51(1):32-8

Comparative evaluation of the diagnostic possibilities by urography, arteriography, scintigraphy and pharmacophlebography in traumatic lesions of kidney parenchyma in dogs. Fryczkowski M, et al. **Int Urol Nephrol** 1981;13(1):3-14

Prognosis, management and outcome of obstructive renal disease in pregnancy. Miller RD, et al. **J Reprod Med** 1982 Apr;27(4):199-201

Radiographic studies for women with recurrent urinary tract infections. Fairchild TN, et al. **J Urol** 1982 Aug; 128(2):344-5

Vicarious excretion of contrast media. Lautin EM, et al. **JAMA** 1982 Mar 19;247(11):1608-10

Intravenous urogram in acute renal failure. Rohana A, et al. **Med J Malaysia** 1981 Jun;36(2):104-7

Duplication of the müllerian ducts and genitourinary malformations. Part I: the value of excretory urography. Gilsanz V, et al. **Radiology** 1982 Sep;144(4):793-6

Antegrade urography: the use of oily contrast material. McOmish D, et al. **Radiology** 1982 Sep;144(4):933-4

Radiology of urinary undiversion. Amis ES Jr, et al. **Urol Radiol** 1981;3(3):161-9

Eight-minute excretory urographic film: once is enough. Schey WL, et al. **Urology** 1981 Nov;18(5):515-8

[Comparative study of urotomography and non-invasive technics in renal tumors] Timmermans L, et al. **Acta Urol Belg** 1981 Jul;49(3):273-6 (Eng. Abstr.) **(Fre)**

[Systemic dosimetric study of radiological examinations using intra-venous urography] Costa A, et al. **J Radiol** 1981 Nov; 62(11):572 **(Fre)**

[False image of renal artery aneurysm during intravenous urography. A previously unreported sign (author's transl)] Musset D, et al. **J Radiol** 1981 Dec;62(12):661-4 (Eng. Abstr.) **(Fre)**

[The current place of arteriography in the exploration of closed contusions of the kidney. A retrospective study of 54 cases (author's transl)] Beurton D, et al. **J Urol (Paris)** 1982;88(4):215-21 (Eng. Abstr.) **(Fre)**

[Bilateral stenosis of the renal arteries with normal urography (author's transl)] Gaudeau S, et al. **Nouv Presse Med** 1981 Sep 19;10(33):2735-6 (Eng. Abstr.) **(Fre)**

[Intravenous urography] Bohnet J. **Rev Med Suisse Romande** 1981 Aug;101(8):595-7 **(Fre)**

[The influence of meteorological conditions on the side effects of contrast media during infusion urograms (author's transl)] Wolf KJ, et al. **ROFO** 1981 Dec;135(6):721-7 (Eng. Abstr.) **(Ger)**

[Visualisation of a papillary renal adenoma via urogram, sonography, computed tomography and renovasography with puncture (author's transl)] Hollmann J, et al. **Rontgenblatter** 1982 Jun;35(6):245-7 (Eng. Abstr.) **(Ger)**

[Treatment of adverse reactions to contrast media in urography and cholecystography] Schindler G. **Rontgenpraxis** 1982 May;35(5):161-5 **(Ger)**

[Renal kinetics of contrast media in unilateral diseased kidney (author's transl)] Naber K, et al. **Urologe [Ausg A]** 1982 Jan;21(1):39-44 (Eng. Abstr.) **(Ger)**

[Subpelvic contrast medium extravasation after urography] Brunzema F. **Z Urol Nephrol** 1981 Nov;74(11):835-6 (Eng. Abstr.) **(Ger)**

[Opacification of accessory structures of the urethra in urethrography] Alessi V, et al. **Minerva Urol** 1981 Oct-Dec;33(4):259-65 (Eng. Abstr.) **(Ita)**

[Renal contrastography with rapid intravenous injection of Iopamidol] Bianchi SD, et al. **Radiol Med (Torino)** 1981 Sep;67(9):668-9 **(Ita)**

[Miction cystoureterogram in the diagnosis of pathological processes in retroperitoneal space and the small pelvis in children (author's transl)] Grivčeva-Janoševic N. **God Zb Med Fak Skopje** 1979 Jan;25:477–84 (Eng. Abstr.) **(Scr)**

ADVERSE EFFECTS

Increased abnormal urothelial cells in voided urine following excretory urography. Fischer S, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):153–8

Bronchospasm during excretory urography: lack of specificity for the methylglucamine cation. Littner MR, et al. **AJR** 1981 Sep;137(3):477–81

Spontaneous urinary extravasation during intravenous pyelography. Gold IW, et al. **Ann Emerg Med** 1982 Sep; 11(9):485–6

Infusion intravenous pyelography and renal function. Effect of hypertonic mannitol in patients with chronic renal insufficiency. Anto HR, et al. **Arch Intern Med** 1981 Nov; 141(12):1652–6

Prophylactic antihistamines in the management of radiographic contrast reactions. Small P, et al. **Clin Allergy** 1982 May;12(3):289–94

Reactions and cardiovascular changes at excretion urography. Kitonyi JK. **East Afr Med J** 1981 Dec; 58(12):942–5

Crystalline deposits in infant urine due to x-ray constrast medium [letter] Pettit BR, et al. **Lancet** 1982 Jul 3; 2(8288):46–7

[Carcinoma of the kidney and generalised thorotrastosis after retrograde pyelography (author's transl)] Zwierzina WD, et al. **Acta Med Austriaca** 1981;8(5):150–5 (Eng. Abstr.) **(Ger)**

[Thorotrast kidney accompanied with renal pelvic carcinoma —a report of 2 cases (author's transl)] Ukai R, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Jul;72(7):900–9 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Skinny needle pyelography. An advance in uroradiology. Hare WS, et al. **Med J Aust** 1981 Aug 8;2(3):123–5

[Dose measurement in pediatric roentgenologic examinations] Reither M. **Rontgenpraxis** 1981;34(12):475–87 **(Ger)**

[Soviet radio-opaque tubes for use in urology and nephrology] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1982 May–Jun;(3):20–3 (Eng. Abstr.) **(Rus)**

METHODS

Nonutility of routine prone filming in adult urography. Mindell HJ. **AJR** 1982 Aug;139(2):333–4

Iohexol for urography in children. A preliminary report. Stake G, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):151–4 **(Eng, Fre)**

A comparative trial of two urographic contrast media – Conray 420 and Urografin 370. Eyes BE, et al. **Australas Radiol** 1981 Jul;25(2):150–6

An assessment of intravenous urogram imaging using 100 mm and conventional films. Robertson EM, et al. **Br J Radiol** 1981 Nov;54(647):944–7

Comparison between iodamide and iothalamate in intravenous urography. Dubbins PA, et al. **Clin Radiol** 1981 Nov;32(6):677–8

Intraoperative pneumopyelography. Izquierdo F, et al. **Eur Urol** 1982;8(3):148–9

Excretory urography as a screening method for abnormalities of the upper urinary tract in asymptomatic boys with undescended testicles. Kleinteich B, et al. **Int Urol Nephrol** 1981;13(1):77–80

Amipaque (metrizamide) in vascular use and use in body cavities: a survey of the initial clinical trials. Andrew E, et al. **Invest Radiol** 1981 Nov–Dec;16(6):455–65

Computer analysis of micturating cystourethrograms in children. Buick RG, et al. **J Pediatr Surg** 1982 Feb; 17(1):48–51

Improved technique for dose reduction and organ localization in intravenous urography. Mayer DP, et al. **Radiology** 1982 Jul;144(1):177–8

Excretory urography using dual-energy scanned projection radiography. Sommer FG, et al. **Radiology** 1981 Nov; 141(2):529–32

Overview: uroradiology by intervention — 'Endourology'. Goodwin WE. **Urol Clin North Am** 1982 Feb;9(1):195–6

Retrograde urography with a new antiseptic contrast contrast material. An experimental study. Werbin N, et al. **Urol Int** 1981;36(5):322–4

Iopamidol in urography. A comparison between ionic and nonionic contrast media in patients with normal and impaired renal function. Dalla Palma L, et al. **Urol Radiol** 1982;4(1):1–3

Limited use of hypertensive excretory urography. Thornbury JR, et al. **Urol Radiol** 1981–82;3(4):209–11

[Intravenous pyelography in children comparative study: ioxitalamates – ioxaglates (author's transl)] Montagne JP, et al. **Ann Radiol (Paris)** 1982 Mar;25(3):210–2 (Eng. Abstr.) **(Fre)**

[Diagnosis of 'severe' renal insufficiency of unknown origin: value and respective roles of ultrasonography and intravenous urography (author's transl)] Dana A, et al. **J Radiol** 1981 Dec;62(12):621–7 (Eng. Abstr.) **(Fre)**

[Demonstration of renal arteries by tomography during intravenous urography (author's transl)] Girard J, et al. **Nouv Presse Med** 1981 Dec 5;10(44):3617–21 (Eng. Abstr.) **(Fre)**

[Interventional radiology. Indications and results] Peters PE. **Internist (Berlin)** 1982 Feb;23(2):106–17 **(Ger)**

[Loading urography with furesis in ureteral stenosis and its value for the indication of surgery] Moldenhauer W, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):159–66 (Eng. Abstr.) **(Ger)**

[Very rapid bolus injection as routine method in excretion urography (author's transl)] Weigert F, et al. **Rontgenblatter** 1982 Sep;35(9):336–8 (Eng. Abstr.) **(Ger)**

[New intravenous contrast media for cholegraphy, urography and computerized tomography] Speck U. **Rontgenpraxis** 1982 Feb;35(2):57–62 **(Ger)**

[Use of contrast media in the diagnosis of kidney diseases] Taenzer V. **Rontgenpraxis** 1982 Feb;35(2):39–42 **(Ger)**

[Vesico-ureteral reflux (VUR) and renal size in children (author's transl)] Satoh Y, et al. **Urologe [Ausg A]** 1981 Nov;20(6):370–4 (Eng. Abstr.) **(Ger)**

[Current validity of translumbar anterograde pyelography] Giannotti P, et al. **Minerva Urol** 1982 Apr–Jun;34(2):101–4 **(Ita)**

[Radiographic examination of the kidney] Wada H. **Rinsho Byori** 1982 Mar;Suppl 49:109–14 **(Jpn)**

[Electrocardiographic changes in the course of intravenous urography using enlarged quantities of contrast media (author's transl)] Boschi S, et al. **Lijec Vjesn** 1981 Oct; 103(10):427–30 (Eng. Abstr.) **(Scr)**

TRENDS

Excretory urography: update 1980. Older RA, et al. **CRC Crit Rev Diagn Imaging** 1981;16(1):1–42 (100 ref.)

UROKINASE see under **PEPTIDE PEPTIDOHYDROLASES**

UROLOGIC DISEASES

Symposium on urologic emergencies. **Urol Clin North Am** 1982 Jun;9(2):207–312

[Function of the lower urinary tract. 4th report on the standardization of terminology: neuromuscular dysfunction (author's transl)] Bates P, et al. **Urologe [Ausg A]** 1982 May; 21(3):171–3 **(Ger)**

[6th conference of the Yugoslavian Urologic Society, Ochrid, 21–24 May 1980] **Acta Chir Iugosl** 1981;28 Suppl 2:445–843 **(Mul)**

[Swiss Society of Urology. 36th annual meeting, 16–18 October 1980, Montreux] **Helv Chir Acta** 1981 Aug; 48(3–4):273–518 **(Mul)**

CHEMICALLY INDUCED

Studies on the urotoxicity of oxazaphosphorine cytostatics and its prevention—I. Experimental studies on the urotoxicity of alkylating compounds. Brock N, et al. **Eur J Cancer** 1981 Jun;17(6):595–607

COMPLICATIONS

Ureterocele in bilharziasis of the urinary tract. Elem B, et al. **Br J Urol** 1981 Oct;53(5):428–9

Obstructive uropathy re vesicoureteral reflux [letter] Holland NH, et al. **J Pediatr** 1982 Sep;101(3):485–6

The lengthy type of post-bilharzial ureteral stricture. Elbaz MG, et al. **J Urol** 1982 May;127(5):894–7

Pleural effusion associated with urinary tract obstruction [letter] Shanes JG, et al. **Thorax** 1982 Feb;37(2):160

Gross hematuria in 110 adult urologic hospital patients. Carter WC 3d, et al. **Urology** 1981 Oct;18(4):342–4

[Urologic cardinal symptoms] Joost J. **Wien Med Wochenschr** 1982 Mar 31;132(6):129–32 **(Ger)**

[Surgical treatment of bladder neck obstruction caused by schistosomiasis] Tkachuk VM, et al. **Vestn Khir** 1981 Dec; 127(12):62–4 (Eng. Abstr.) **(Rus)**

[Bladder cancer in patients with schistosomiasis of the urinary system] Al' Shukri SKh. **Vopr Onkol** 1982;28(4):83–4 **(Rus)**

[Urogenital trichomoniasis as a cause of male subfertility] Ristić D, et al. **Med Pregl** 1981;34(3–4):137–42 **(Scr)**

DIAGNOSIS

Obstructive uropathy in the neonate. Evans BB. **Clin Perinatol** 1981 Jun;8(2):273–86

Abdominal aortic aneurysms simulating urologic disorders. Ayyat F, et al. **J Med Assoc State Ala** 1981 Oct;51(4):36–7, 41–2

The practical value of diagnostic ultrasound in urology. Sanders RC. **J Urol** 1981 Sep;126(3):283–7

Ultrasound evaluation of the urinary system in spinal-cord-injury patients. Brandt TD, et al. **Radiology** 1981 Nov;141(2):473–7

Symposium on endourology. **Urol Clin North Am** 1982 Feb; 9(1):1–205

[Differential diagnostic problems in emergency urological and surgical diseases] Deliiski P. **Khirurgiia (Sofiia)** 1981; 34(6):569–71 (Eng. Abstr.) **(Bul)**

[Ultrasonics in diagnosis of a palpable abdominal mass] Gammelgaard J, et al. **Ugeskr Laeger** 1982 Jan 25; 144(4):235–6 (Eng. Abstr.) **(Dan)**

[The role at present of the urologist in appraising the diagnosis of sexual impotency (author's transl)] Jevtich MJ. **J Urol (Paris)** 1982;88(4):201–8 (Eng. Abstr.) **(Fre)**

[Effects of an ultrasonic technic on diagnosis and therapy in urology] Rodeck G, et al. **Fortschr Med** 1981 Nov 5; 99(41):1700–4 (Eng. Abstr.) **(Ger)**

[Sonographic diagnosis of pelvic diseases] Triller J, et al. **Rontgenpraxis** 1981;34(8):330–8 **(Ger)**

[Interdisciplinary significance of a basically equipped urodynamic measuring unit (author's transl)] Stummvoll W, et al. **Wien Klin Wochenschr** 1981 Mar 6;93(5):149–55 (Eng. Abstr.) **(Ger)**

[Urology in general practice] Schmiedt E. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1665–7 **(Ger)**

[Progress and problems of diagnostic ultrasound in urology (author's transl)] Harada K. **Rinsho Byori** 1981; 29(10):1014–20 **(Jpn)**

[Rapid IFR-40 (immunofluorescence reaction) in the diagnosis of urogenital trichomoniasis] Bednova VN, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):19–21 **(Rus)**

[Experience in the practical use of radiotelevision pyeloureteroscopy with spot radiography and videotape recording] Builov VM. **Vestn Rentgenol Radiol** 1982; (2):44–9 (Eng. Abstr.) **(Rus)**

[Fiber pyeloureteroscopy in the diagnosis of urologic diseases] Shevtsov IP, et al. **Voen Med Zh** 1982 Mar; (3):48–50 **(Rus)**

[Diagnostic potentials of liquid-crystal thermography in urology] Vozianov AF, et al. **Vrach Delo** 1982 May;(5):20–3 (Eng. Abstr.) **(Rus)**

[Diagnostic ultrasonics in urology: considerations after 10 years] Silmi Moyano A, et al. **Actas Urol Esp** 1981 Nov–Dec;5(6):335–8 **(Spa)**

DRUG THERAPY

[Combined cefazolin-dicloxacillin in urology] Tripi M, et al. **Minerva Urol** 1982 Apr–Jun;34(2):105–10 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Urological complications in renal transplantation. Lerut J, et al. **Acta Urol Belg** 1982 Jan;50(1):53–64

The urological complications of 1000 renal transplants. Mundy AR, et al. **Br J Urol** 1981 Oct;53(5):397–402

Genitourinary tract injuries due to fracture of the pelvis in females: sequelae and their management. Patil U, et al. **Br J Urol** 1982 Feb;54(1):32–8

Urological complications of renal transplantation [editorial] Bishop MC. **Br Med J [Clin Res]** 1982 Aug 7; 285(6339):394–5

Urologic complications after renal transplantation. Hahn M, et al. **Czech Med** 1981;4(4):238–43

Late silent complications after treatment of uterine cancer. Suramo I, et al. **Int Surg** 1981 Jul–Sep;66(3):251–3

Major and minor complications of posterior urethral valves. Kurth KH, et al. **J Urol** 1981 Oct;126(4):517–9

[Urologic complications after surgery of sigmoid and rectal tumors] Mašek J, et al. **Rozhl Chir** 1981 Feb;60(2):109–12 (Eng. Abstr.) **(Cze)**

[Late urologic complications associated with radiotherapy] Urban M, et al. **Rozhl Chir** 1982 May;61(5):338–42 (Eng. Abstr.) **(Cze)**

[Urinary tract complications in rectal surgery. Forty-six case reports (author's transl)] Lobel B, et al. **Ann Chir** 1981 Dec; 35(10):872–5 (Eng. Abstr.) **(Fre)**

[Late urological complications of abdominopelvic radiotherapy. A personal series of 39 cases (author's transl)] Pellerin JP, et al. **J Urol (Paris)** 1982;88(5):285–93 (Eng. Abstr.) **(Fre)**

[Urological problems related to aorto-bifemoral surgery (author's transl)] Perreault JP, et al. **J Urol (Paris)** 1982; 88(3):151–4 (Eng. Abstr.) **(Fre)**

[Urinary manifestations of Wolfram's syndrome] François P, et al. **Pediatrie** 1982 Mar;37(2):119–24 (Eng. Abstr.) **(Fre)**

[Urologic complications in gynecological cancers and their therapy] De Grandi P. **Rev Med Suisse Romande** 1981 Oct; 101(10):791–6 **(Fre)**

[Urethral complications of severe fractures of the pelvis. (author's transl)] Merlini M, et al. **Sem Hop Paris** 1982 Feb 4;58(5):284–8 (Eng. Abstr.) **(Fre)**

[Urological relevance of pelvic fractures] Sigel A, et al. **Helv Chir Acta** 1981 Aug;48(3–4):405–9 (Eng. Abstr.) **(Ger)**

[Capillary sclerosis of the urinary tract caused by abuse of an analgesic agent (phenacetin)] Gloor F. **Pathologe** 1982 May;3(3):132–6 **(Ger)**

[Etiological role of Mycoplasma hominis in inflammatory diseases of the urogenital tract in pregnant and nonpregnant women] Smirnova TD, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):45–8 (Eng. Abstr.) **(Rus)**

[Urological complications in the treatment of gynecological malignancy (author's transl)] Havliček S. **Jugosl Ginekol Opstet** 1981 Dec;21(5–6):107–11 (Eng. Abstr.) **(Scr)**

FAMILIAL & GENETIC

[The Laferma reflux family, a case of multiple familial reflux] Vonbank F, et al. **Helv Chir Acta** 1981 Aug;48(3–4):323–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Prediction of urinary excretion of 131I-orthoiodohippurate.

Tauxe WN, et al. **Eur J Nucl Med** 1982;7(3):102–3

MICROBIOLOGY

[Antibiotic resistance of uropathogenic strains of E. coli isolated from patients in the USSR and the People's Republic of Bulgaria] Bondarenko VM, et al. **Antibiotiki** 1981 Aug;26(8):608–12 (Eng. Abstr.) **(Rus)**

[Mycoplasma infection in inflammatory urogenital diseases] Mavrov II. **Vestn Dermatol Venerol** 1981 Jul;(7):15–9 (Eng. Abstr.) **(Rus)**

MORTALITY

[Mortality in urinary system diseases] Bondarenko BB, et al. **Klin Med (Mosk)** 1981 Oct;59(10):42–5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[A survey of incidences of various urologic diseases in adults of two factories in Guiyang District (author's transl)] Fang GX. **Chung Hua Nei Ko Tsa Chih** 1981 Jun;20(6):339–41 **(Chi)**

PARASITOLOGY

Morbidity studies of schistosomiasis hematobia in Egyptian adults (preliminary report). el-Hawey AM, et al. **J Egypt Soc Parasitol** 1981 Dec;11(2):507–15

[Comparative value of parasitological investigations and immunological reactions in the post-therapeutic surveillance of chronic urinary schistosomiasis] Savel P, et al. **Bull Soc Pathol Exot Filiales** 1981 May–Jun; 74(3):341–9 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Malakoplakia of the urinary tract. McClure J. **Br J Urol** 1982 Apr;54(2):181–5

Keratinizing desquamative squamous metaplasia of the upper urinary tract: leukoplakia—cholesteatoma. Hertle L, et al. **J Urol** 1982 Apr;127(4):631–5

[Gas in urologic pathology] Lovaco F, et al. **Actas Urol Esp** 1982 Jan–Feb;6(1):1–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Prediction of renal functional recovery after relief of upper urinary tract obstruction. Kalika V, et al. **J Urol** 1981 Sep; 126(3):301–5

Long-term outcome of patients with obstructive uropathy. Warshaw BL, et al. **Pediatr Clin North Am** 1982 Aug; 29(4):815–26 (55 ref.)

[Uninhibited bladder in children (author's transl)] Terashima M. **Nippon Hinyokika Gakkai Zasshi** 1981 Sep; 72(9):1145–63 (Eng. Abstr.) **(Jpn)**

[The hemostatic system in urology patients before and after surgery] Panchenko VM, et al. **Sov Med** 1981;(7):27–31 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Studies on the urotoxicity of oxazaphosphorine cytostatics and its prevention. 2. Comparative study on the uroprotective efficacy of thiols and other sulfur compounds. Brock N, et al. **Eur J Cancer Clin Oncol** 1981 Nov;17(11):1155–63

RADIOGRAPHY

Radiation doses to children at urologic radiography. Gustafsson M, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(3B):337–48

Computed tomography of the body: when should it be used? Husband JE, et al. **Br Med J [Clin Res]** 1982 Jan 2; 284(6308):4–8 (49 ref.)

Role of modern radiological investigations in obstructive uropathy. O'Reilly PH. **Br Med J [Clin Res]** 1982 Jun 19; 284(6332):1847–51

Computerized tomography in the scheme of things. Goldman SM, et al. **J Urol** 1982 Apr;127(4):724–6

[X-ray diagnosis of schistosomiasis haematopia of the GU tract (analysis of 112 cases) (author's transl)] Gu JX. **Chung Hua Fang She Hsueh Tsa Chih** 1982 Feb;16(1):22–5 **(Chi)**

[Current validity of translumbar anterograde pyelography] Giannotti P, et al. **Minerva Urol** 1982 Apr–Jun;34(2):101–4 **(Ita)**

[A case of urinary tract bilharziasis] Scaravelli C, et al. **Radiol Med (Torino)** 1981 Dec;67(12):980–2 **(Ita)**

[Large-image fluorography under television control in the diagnosis of urogenital diseases] Perel'man VM. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):71–8 (Eng. Abstr.) **(Rus)**

[Miction cystoureterogram in the diagnosis of pathological processes in retroperitoneal space and the small pelvis in children (author's transl)] Grivčeva-Janoševic N. **God Zb Med Fak Skopje** 1979 Jan;25:477–84 (Eng. Abstr.) **(Ser)**

RADIONUCLIDE IMAGING

Diuretic radionuclide renography in upper urinary tract obstruction. Lichtenstein M, et al. **Aust NZ J Surg** 1982 Jun;52(3):306–9

99mTechnetium DMSA and the prediction of recovery in obstructive uropathy. Chibber PJ, et al. **Br J Urol** 1981 Dec;53(6):492–5

Scintigraphic detection of urinary leakage after kidney transplantation. DeLange EE, et al. **Eur J Nucl Med** 1982; 7(2):55–7

DMSA scan and the prediction of recovery in obstructive uropathy. Chisholm GD, et al. **Eur Urol** 1982;8(4):227–30

[The contribution of radio-isotopes to urological investigation (author's transl)] Ngeh TS, et al. **J Urol (Paris)** 1981;87(9):621–3 (Eng. Abstr.) **(Fre)**

REHABILITATION

[Long-term results of urinary rehabilitation in acquired infantile paraplegia (author's transl)] Lacert P, et al. **Sem Hop Paris** 1982 Jun 3;58(22):1374–6 (Eng. Abstr.) **(Fre)**

SURGERY

Correlation of antibiotic usage with an antibiotic policy in a urological ward. Casewell MW, et al. **J Hosp Infect** 1981 Mar;2(1):55–61

Acute pseudo-obstruction of the colon: a serious consequence of urologic surgery. Clayman RV, et al. **J Urol** 1981 Sep;126(3):415–7

Reconstruction of the urinary tract by extraordinary measures. Redman JF. **J Urol** 1982 Jan;127(1):126–8

Percutaneous circle-tube nephroureterostomy. Smith AD, et al. **J Urol** 1982 Jan;127(1):29–30

Present and future plans for laser urological surgery. Bülow H. **Lasers Surg Med** 1981;1(4):385–90

Proceedings of the twelfth meeting of the Scandinavian Association of Urology, June 5–7, 1980. **Scand J Urol Nephrol [Suppl]** 1981;60:1–107

[Postoperative CPAP therapy following surgery in the kidney area] Damgaard B, et al. **Ugeskr Laeger** 1982 Feb 22;144(8):545–7 (Eng. Abstr.) **(Dan)**

[Operations of urological diseases during pregnancy (author's transl)] Bichler KH. **Langenbecks Arch Chir** 1981;355:233–5 (Eng. Abstr.) **(Ger)**

[Experience with argon laser in urological diseases (author's transl)] Rothauge CF, et al. **Urologe [Ausg A]** 1981 Sep; 20 Suppl:333–9 (Eng. Abstr.) **(Ger)**

[Laser treatment in urology] Schmiedt E. **Urologe [Ausg A]** 1981 Sep;20 Suppl:291–2 **(Ger)**

[Experiences with caudal anaesthesias in paediatric surgery (author's transl)] Hofmann U, et al. **Z Kinderchir** 1982 Mar; 35(3):112–4 (Eng. Abstr.) **(Ger)**

[Microsurgery in urology] Carmignani G, et al. **Z Urol Nephrol** 1981 Oct;74(10):789–98 (49 ref.) **(Ger)**

[Experimental and clinical use of microsurgery in urology] Oesterwitz H, et al. **Z Urol Nephrol** 1981 Dec;74(12):853–64 (139 ref.) (Eng. Abstr.) **(Ger)**

[Anesthesia in the urological 'day hospital'] Porena M, et al. **Minerva Urol** 1982 Jan–Mar;34(1):63–4 **(Ita)**

[6th Congress of the Urological Society of Yugoslavia. Ochrida, 21–24 May 1980] **Acta Chir Iugosl** 1981;28 Suppl 1:1–436 **(Scr)**

[Risks of blood transfusion] Tallada M, et al. **Actas Urol Esp** 1981 Jul–Aug;5(4):205–8 (Eng. Abstr.) **(Spa)**

[Intraoperative hemorrhage and hemostasis in endoscopic surgery] Vicente J, et al. **Actas Urol Esp** 1981 Sep–Oct; 5(5):287–92 (Eng. Abstr.) **(Spa)**

[Lasers in urology] Pérez-Castro Ellendt E, et al. **Arch Esp Urol** 1981 Nov–Dec;34(6):413–22 (Eng. Abstr.) **(Spa)**

THERAPY

In utero treatment of urinary tract obstruction. Golbus MS, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):383–8

Maintenance antimicrobials in high risk urologic pediatric patients. McCann TM, et al. **Int J Pediatr Nephrol** 1982 Mar;3(1):29–32

Indications and contraindications of sanatorium treatment of children with renal and urinary diseases. Lemke E, et al. **Int Urol Nephrol** 1981;13(4):333–5

Urologic considerations in the elderly. Gonder MJ. **Primary Care** 1982 Mar;9(1):71–5

A urological perspective. Marshall VF. **Urol Surv** 1981 Jun; 31(3):55–60 (118 ref.)

[Pediatric urology] Petit R. **Rev Med Liege** 1982 May 1; 37(9):349–52 **(Fre)**

[Urologic emergencies in children] Carl P. **Fortschr Med** 1981 Oct 22;99(40):1658–65 **(Ger)**

[Long-time results and risks of intervention radiology for urogynecological tumors and tumor recurrences (author's transl)] Köhler K, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):266–71 (Eng. Abstr.) **(Ger)**

[Urologic emergency situations] Hartung R, et al. **Ther Ggw** 1981 Nov;120(11):1048–64 **(Ger)**

[Experience with catheter embolisation in urologic diseases] Engloner L, et al. **Orv Hetil** 1981 Sep 20;122(38):2339–42 **(Hun)**

VETERINARY

Epidemiology of the feline urological syndrome. Willeberg P. **Adv Vet Sci Comp Med** 1981;25:311–44 (78 ref.)

The urinary tract: Minimum and problem-specific data bases. Klausner JS, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Aug; 11(3):523–42

Feline urologic syndrome: incidence, diagnosis, and treatment. Goldston RT, et al. **VM SAC** 1981 Oct; 76(10):1430–1

[Urological complications following ovariohysterectomy in dogs (author's transl)] Okkens AC, et al. **Tijdschr Diergeneeskd** 1981 Dec;106(23):1189–98 (Eng. Abstr.) **(Dut)**

UROLOGIC NEOPLASMS

ANALYSIS

Steroid receptors in urological malignancies. Ekman P. **Acta Obstet Gynecol Scand [Suppl]** 1981;101:87–92

BLOOD

Differential pulse polarography of the catalytic waves in serum from patients with urological cancers. Lyons H, et al. **Clin Chem** 1982 Jan;28(1):34–6

CHEMICALLY INDUCED

Phenacetin and cancer of urinary tract. Haupt B, et al. **Drug Intell Clin Pharm** 1981 Nov;15(11):885–6

Analgesic nephropathy and phenacetin-induced transitional cell carcinoma – analysis of 300 patients with long-term consumption of phenacetin-containing drugs. Porpaczy P, et al. **Eur Urol** 1981;7(6):349–54

Neoplastic lesions in the urinary tract of Wistar rats after treatment with N-methyl-N-nitrosourea (MNU) and artificial sweeteners. Soudah B, et al. **Exp Pathol** 1981; 20(4):197–202

COMPLICATIONS

[Long-time results and risks of intervention radiology for urogynecological tumors and tumor recurrences (author's transl)] Köhler K, et al. **Radiol Diagn (Berl)** 1982 Mar; 23(2):266–71 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Upper tract urothelial tumors. Diagnostic efficiency of radiology and urinary cytology. Boccon Gibod L, et al. **Eur Urol** 1982;8(3):145–7

Urine cytology in patients with calculi. Highman W, et al. **J Clin Pathol** 1982 Mar;35(3):350–6

[Radio-transparent renal calculi and epithelial tumours. Contribution of ultrasound and CT scan to the diagnosis (author's transl)] Boccon Gibod L, et al. **Nouv Presse Med** 1981 Oct 31;10(39):3231–2 (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of the urachus with cyst formation (author's transl)] Bannermann C, et al. **Urologe [Ausg A]** 1981 Nov;20(6):392–3 (Eng. Abstr.) **(Ger)**

[Value of urinary cytology in urological diagnosis. Report after ten years (author's transl)] Jocham D, et al. **Urologe [Ausg A]** 1982 Mar;21(2):79–83 (Eng. Abstr.) **(Ger)**

[Urinary cytology in office urology (author's transl)] Rathert P, et al. **Urologe [Ausg A]** 1982 Mar;21(2):67–72 (Eng. Abstr.) **(Ger)**

[Identification of cancer cells with Papanicolaou staining in cases of false positive in urinary sediment (author's transl)] Masuda K, et al. **Rinsho Byori** 1981 Jun;29(6):633–5 **(Jpn)**

DRUG THERAPY

Phase II trial of vinblastine sulfate for metastatic urothelial tract tumors. Blumenreich MS, et al. **Cancer** 1982 Aug 1; 50(3):435–8

Phase II trial cisplatin, doxorubicin, and cyclophosphamide (CAP) in the treatment of urothelial transitional cell carcinoma. Campbell M, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):897–9

Phase II evaluation of VM-26 in patients with metastatic transitional cell carcinoma of the urinary tract: an Eastern Cooperative Oncology Group study. Qazi R, et al. **Cancer Treat Rep** 1982 Feb;66(2):405–6

IMMUNOLOGY

Immunocytochemistry in contemporary urologic cancer [editorial] Javadpour N. **J Urol** 1982 Jun;127(6):1248

[The significance of lymphocytic infiltration in urologic tumors: studies of distributions of B and T-lymphocytes and its subsets, and functional analysis of the infiltrating lymphocytes (author's transl)] Akaza H. **Nippon Hinyokika Gakkai Zasshi** 1981 Jan;72(1):86–97 (Eng. Abstr.) **(Jpn)**

OCCURRENCE

Urinary cytology as a test in mass screening. Nemoto R, et al. **Tohoku J Exp Med** 1981 Sep;135(1):115–6

PATHOLOGY

Clonogenic assay and in vitro chemosensitivity testing of human urologic malignancies. Sarosdy MF, et al. **Cancer** 1982 Oct 1;50(7):1332–8

Systematic mapping of nephroureterectomy specimens

removed for urothelial cancer: pathological findings and clinical correlations. McCarron JP Jr, et al. **J Urol** 1982 Aug;128(2):243–6

[Pathology of urological tumours--methods, functions, results (author's transl)] Hermanek P. **Wien Klin Wochenschr** 1981 Mar 6;93(5):144–9 (Eng. Abstr.) **(Ger)**

[Mucinous adenocarcinoma of the renal pelvis with other two cancers in urologic organs, triple cancer (author's transl)] Honma Y, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Mar;72(3):355–8 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Abnormal cell proliferation and differentiation and urothelial tumorigenesis in essential fatty acid deficient (EFAD) rats. Monis B, et al. **Prog Lipid Res** 1981;20:691–703

PREVENTION & CONTROL

[Value of screening for early detection of urological tumors (author's transl)] Rübben H, et al. **Urol Int** 1982;37(1):1–18 (Eng. Abstr.) **(Ger)**

SECONDARY

Transitional cell carcinoma of renal pelvis. Nocks BN, et al. **Urology** 1982 May;19(5):472–7

SURGERY

Lasers in urological cancer surgery. Hall RR. **Int Adv Surg Oncol** 1982;5:359–63

Present and future plans for laser urological surgery. Bülow H. **Lasers Surg Med** 1981;1(4):385–90

Use of gracilis musculocutaneous flap in urologic cancer surgery. Larson DL, et al. **Urology** 1982 Feb;19(2):148–51

THERAPY

[Experience with catheter embolisation in urologic diseases] Engloner L, et al. **Orv Hetil** 1981 Sep 20;122(38):2339–42 **(Hun)**

URINE

Determination of urinary mutagens in patients with urinary tract cancer. Caderni G, et al. **Eur Urol** 1982;8(4):243–6

UROLOGY

see related

UROLOGIC DISEASES

Renal transplantation and the urologist [editorial] Lawson RK. **J Urol** 1982 Jun;127(6):1087

Point of view: laws of urodynamics. Ryall RL, et al. **Urology** 1982 Jul;20(1):106–7

CLASSIFICATION

System for filing urologic literature. Seal GM. **Urology** 1981 Nov;18(5):473–7

EDUCATION

Surgical experience with large animals. Important adjunct to residency training in urology. Watson RA, et al. **Urology** 1982 Aug;20(2):154–6

[Television recording and demonstration of open surgical procedures with a new system (author's transl)] Mauermayer W, et al. **Urologe [Ausg A]** 1981 Mar; 20(2):102–4 (Eng. Abstr.) **(Ger)**

HISTORY

The historical evolution of the internal urethrotomy. Schultze-Seemann F. **Eur Urol** 1982;8(1):54–60

A urological perspective. Marshall VF. **Urol Surv** 1981 Jun; 31(3):55–60 (118 ref.)

Theodor Billroth: the urologist. Caldamone AA. **Urology** 1981 Sep;18(3):316–24

INSTRUMENTATION

Report of the Standing Committee on Urological Instruments: Irrigating Resectoscopes. Gow JG, et al. **Br J Urol** 1982 Feb;54(1):1–4

Urethral pressure profilometry: a low compliant recording system with perfused catheter. Engberg A, et al. **Clin Physiol** 1981 Jun;1(3):313–21

The flexible choledochoscope: a welcome addition to the urologic armamentarium. Wilbur HJ. **J Urol** 1981 Sep; 126(3):380–1

A new simple urodynamic apparatus. Abrams P, et al. **Prog Clin Biol Res** 1981;78:289–92

Internal urethrotomy with the Sachse urethrotome. Iversen Hansen R, et al. **Scand J Urol Nephrol** 1981;15(3):189–91

[Soviet radio-opaque tubes for use in urology and nephrology] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1982 May-Jun;(3):20–3 (Eng. Abstr.) **(Rus)**

MANPOWER

Surgical and urologic manpower in the United States, 1969 to 1978. Fraley EE, et al. **J Urol** 1982 Feb;127(2):218–23

METHODS

[Urological weekend, Zaragoza, Spain, 1–2 February 1980] **J Urol (Paris)** 1981;87(2):109–14 **(Fre)**

[International conference on pediatric urology. North Carolina, USA, 5–9 November 1980] **J Urol (Paris)** 1981; 87(2):97–108 **(Fre)**

TRENDS

Quo tendimus. Melick WF. **J Urol** 1981 Sep;126(3):288–90

UROLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

URONIC ACIDS

Comparison of the substrate 4-methylumbelliferyl-alpha-l-iduronide with phenyl-alpha-L-iduronide for the diagnosis of Hurler's disease in cultured cells. Butterworth J, et al. **J Inherited Metab Dis** 1980;2(3):71–4

ANALYSIS

Differential gas-liquid chromatography method for determination of uronic acids in carbohydrate mixtures. Lehrfeld J. **Anal Biochem** 1981 Aug;115(2):410–8

A gas chromatographic method for the quantitative determination of hexuronic acids in alginic acid. Vadas L, et al. **Anal Biochem** 1981 Jul 1;114(2):294–8

Carbon-13 nuclear magnetic resonance spectroscopic study of teichuronic acid from Micrococcus luteus cell walls. Comparison of the polysaccharide isolated from cells with that synthesized in vitro. Johnson SD, et al. **Biochemistry** 1981 Aug 4;20(16):4781–5

Isolation of a trisaccharide containing 2-amino-2-deoxy-D-galacturonic acid from the Bordetella pertussis endotoxin. Moreau M, et al. **J Bacteriol** 1982 Apr;150(1):27–35

Distribution of mannosamine and mannosaminuronic acid among cell walls of Bacillus species. Yoneyama T, et al. **J Bacteriol** 1982 Jan;149(1):15–21

Determination of sulphate and uronic acid in glycosaminoglycans of human dermis and in urine. Poulsen JH. **Scand J Clin Lab Invest** 1981 Jun;41(4):367–81

BIOSYNTHESIS

Influence of phosphate supply on teichoic acid and teichuronic acid content of Bacillus subtilis cell walls. Lang WK, et al. **J Bacteriol** 1982 Jul;151(1):367–75

Elongation of teichuronic acid chains by a wall-membrane preparation from Micrococcus luteus. Traxler CI, et al. **J Bacteriol** 1982 May;150(2):649–56

GENETICS

Isolation of fusions between the lac genes and several genes of the exu regulon: analysis of their regulation, determination of the transcription direction of the uxaC-uxaA operon, in Escherichia coli K-12. Hugouvieux-Cotte-Pattat N, et al. **MGG** 1981; 182(2):279–87

ISOLATION & PURIFICATION

A simple and rapid electrophoretic method for the separation of glucuronic acid and iduronic acid. Miyamoto I, et al. **Anal Biochem** 1981 Aug;115(2):308–10

METABOLISM

Biosynthesis of dermatan sulphate. Loss of C-5 hydrogen during conversion of D-glucuronate to L-iduronate. Malmström A. **Biochem J** 1981 Sep 15;198(3):669–75

The biosynthesis and linkage of teichuronic acid to peptidoglycan in Bacillus licheniformis. Ward JB, et al. **Eur J Biochem** 1982 Feb;122(1):125–32

Use of in vitro gene fusions to study the uxuR regulatory gene in Escherichia coli K-12: direction of transcription and regulation of its expression. Ritzenthaler P, et al. **J Bacteriol** 1982 Jun;150(3):1040–7

[Correlations between biochemical data and clinical course of newborn infants] Tănase-Mogoş I, et al. **Physiologie** 1982 Apr-Jun;19(2):123–31 **(Fre)**

PHARMACODYNAMICS

[The mechanism of action of Traumacel P, a local hemostatic] Skala E, et al. **Vnitr Lek** 1982 May;28(5):486–92 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

[The effect of oxycellulose on acute peptic ulcer hemorrhage] Horanský M. **Rozhl Chir** 1981 Feb;60(2):117–9 (Eng. Abstr.) **(Cze)**

URINE

[Biochemical and clinical correlations in children suspected of having lysosomal diseases] Tănase-Mogoş I, et al. **Physiologie** 1981 Jan-Mar;18(1):37–45 **(Fre)**

UROPEPSIN

URINE

[Changes in urine vitamin C, creatinine and uropepsin levels as a result of workload at standard work stations in the shipyard] Wysocki K, et al. **Med Pr** 1980;31(6):425–33 (Eng. Abstr.) **(Pol)**

UROPORPHYRINOGEN DECARBOXYLASE see under **CARBOXY-LYASES**

UROPORPHYRINOGEN ISOMERASE see under **ISOMERASES**

UROPORPHYRINOGEN I SYNTHASE see under **AMMONIA-LYASES**

UROPORPHYRINOGENS see under **PORPHYRINOGENS**

UROPORPHYRINS see under **PORPHYRINS**

UROTENSINS see under **PEPTIDES**

URSODEOXYCHOLIC ACID see under **DEOXYCHOLIC ACID**

URTICARIA

Investigation and management of chronic urticaria and angio-oedema. Champion RH, et al. **Clin Exp Dermatol** 1982 May;7(3):291–300

Acquired cold urticaria. Ahmed AR, et al. **Int J Dermatol** 1981 Nov;20(9):582–4

Is benzoic acid really harmful in cases of atopy and urticaria? [letter] Lahti A, et al. **Lancet** 1981 Nov 7;2(8254):1055

CHEMICALLY INDUCED

Contact urticaria to wheat bran bath: a case report. Langeland T, et al. **Acta Derm Venereol (Stockh)** 1982; 62(1):82–3

The role of penicillin in the pathogenesis of chronic urticaria. Boonk WJ, et al. **Br J Dermatol** 1982 Feb;106(2):183–90

Chronic urticaria Investigations with patch and challenge tests. Warin RP, et al. **Contact Dermatitis** 1982 Mar; 8(2):117–21

Allergic reactions to benzyl alcohol in a sunscreen. Edwards EK Jr. **Cutis** 1981 Sep;28(3):332–3

Allergic contact urticaria to benzoyl peroxide. Tkach JR. **Cutis** 1982 Feb;29(2):187–8

Angioneurotic oedema and urticaria induced by hyoscine butylbromide. Robinson AC, et al. **Postgrad Med J** 1982 May;58(679):316

[Urticaria caused by cimetidine therapy (letter)] Brandrup F. **Ugeskr Laeger** 1981 Jun 29;143(27):1715–6 **(Dan)**

[Contact urticaria to cobalt chloride – comparison of urticarial response between open patch test and scratch test (author's transl)] Okubo S. **Nippon Hifuka Gakkai Zasshi** 1981 Jul;91(8):809–13 **(Jpn)**

COMPLICATIONS

Infectious mononucleosis (glandular fever) complicated by cold agglutinins, cold urticaria and leg ulceration. Barth JH. **Acta Derm Venereol (Stockh)** 1981;61(3):451–2

Glomerular disease in two patients with urticaria-cutaneous vasculitis and hypocomplementemia. Schultz DR, et al. **Am J Kidney Dis** 1981 Nov;1(3):257–65

Chronic urticaria and vasculitis. Small P, et al. **Ann Allergy** 1982 Mar;48(3):172–4

Urticaria associated with maxillary sinusitis. Williams RE, et al. **Ann Allergy** 1981 Dec;47(6):446–8

Ulcerative contact dermatitis caused by sodium silicate. Coexistence of primary irritant contact dermatitis and contact urticaria. Tanaka T, et al. **Arch Dermatol** 1982 Jul; 118(7):518–20

Urticaria, vasculitis, hypocomplementemia, and immune-complex glomerulonephritis. Moorthy AV, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):68–70

Eosinophilic synovial effusions complicating chronic urticaria and angioedema. Klofkorn RW, et al. **Arthritis Rheum** 1982 Jun;25(6):708–9

Urticarial vasculitis: a report of nine cases and review of the literature. Callen JP, et al. **Br J Dermatol** 1982 Jul; 107(1):87–93

Role of tartrazine in chronic urticaria. Warin RP, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1443–4

Urticarial vasculitis in a patient with systemic lupus erythematosus: a case report. Van der Horst JC, et al. **Clin Exp Dermatol** 1981 Sep;6(5):489–94

Infectious mononucleosis and cold urticaria [letter] Mesko JW, et al. **JAMA** 1982 Aug 20;248(7):828

[Chronic urticaria and macroglobulinemia (letter)] Lambert D, et al. **Nouv Presse Med** 1982 May 29;11(25):1948 **(Fre)**

[Muckle-Wells syndrome (urticaria, hearing loss and amyloidosis)] Krámer M, et al. **Orv Hetil** 1982 Jan 24; 123(4):221–2 **(Hun)**

DIAGNOSIS

The physical urticarias. An update and review. Jorizzo JL, et al. **Arch Dermatol** 1982 Mar;118(3):194–201 (84 ref.)
Electronic device producing various temperatures for testing cold and heat urticaria. Tóth–Kása I, et al. **Arch Dermatol Res** 1981;271(4):447–9
Chronic urticaria/angioedema. Wasserman SI, et al. **Compr Ther** 1982 Mar;8(3):40–51
Skin testing in chronic urticaria. Boonk WJ, et al. **Dermatologica** 1981;163(2):151–9
Urticaria as presenting manifestation of pemphigus herpetiformis. Parodi A, et al. **Dermatologica** 1982 Apr; 164(4):278–83
Urticarial vasculitis: an updated review. Monroe EW. **J Am Acad Dermatol** 1981 Jul;5(1):88–95 (31 ref.)
Symptomatic dermographism. Margolis CF, et al. **J Fam Pract** 1981 Dec;13(7):993–5
[Diagnostic use of a radioenzyme test in urticaria–like disorders and in urticaria–angioedematous syndromes] Ghezzi E, et al. **Boll Ist Sieroter Milan** 1981;60(6):538–46 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Sodium cromoglycate and provocation tests in chronic urticaria. Ortolani C, et al. **Ann Allergy** 1982 Jan;48(1):50–2
Treatment of acquired cold urticaria with azatadine. Ahmed AR, et al. **Australas J Dermatol** 1981 Aug;22(2):53–5
Solar urticaria: treatment with PUVA and mediator inhibitors. Parrish JA, et al. **Br J Dermatol** 1982 May; 106(5):575–80
Antihistamine treatment: a patient self–assessment method in chronic urticaria. Greaves MW. **Br Med J [Clin Res]** 1981 Nov 28;283(6304):1435–6
Antihistamine treatment: self–assessment in chronic urticaria [letter] Warin RP. **Br Med J [Clin Res]** 1982 Jan 16; 284(6310):193
Chronic idiopathic urticaria: the dilemma of treatment. Marks R. **Int J Dermatol** 1982 Jan–Feb;21(1):19–20
A controlled trial of therapy in chronic urticaria. Harvey RP, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):262–6
Clemastine fumarate in the treatment of urticaria. Amonette RA. **J Tenn Med Assoc** 1981 Oct;74(10):709–11
A beta–adrenergic blocker for cholinergic urticaria. Conway MJ. **Practitioner** 1982 May;226(1367):940–1
[The risks of photochemotherapy (author's transl)] Stüttgen G, et al. **Z Hautkr** 1981 Nov 1;56(21):1379–99 (Eng. Abstr.) **(Ger)**
[Intal in the treatment of urticaria – observation of 3 cases] Górski P, et al. **Pol Tyg Lek** 1981 Apr 13;36(15):529–30 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

[Dynamics of lysosomal enzymes in patients with allergic dermatoses before and after high altitude climate therapy] Michailov P, et al. **Hautarzt** 1981 Aug;32(8):417–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Hypothetical role of H2 blockers in chronic urticaria. Rebhun J. **Ann Allergy** 1981 Dec;47(6):440–2
Solar urticaria. Determinations of action and inhibition spectra. Hasei K, et al. **Arch Dermatol** 1982 May; 118(5):346–50
Solar urticaria. Clinical features and wavelength dependence. Ravits M, et al. **Arch Dermatol** 1982 Apr;118(4):228–31
Cholinergic urticaria with associated angio–oedema. Lawrence CM, et al. **Br J Dermatol** 1981 Nov; 105(5):543–50
Aquagenic urticaria: evidence of cholinergic and histaminergic basis. Sibbald RG, et al. **Br J Dermatol** 1981 Sep;105(3):297–302
Chronic urticaria [editorial] **Br Med J [Clin Res]** 1981 Sep 26;283(6295):805–6
Coronary spasm associated with urticaria: report of a case mimicking anaphylaxis. Bristow MR, et al. **Clin Cardiol** 1982 Mar;5(3):238–40
Cold urticaria with vasculitis: report of a case with light and electron microscopic, immunofluorescence and pharmacological studies. Eady RA, et al. **Clin Exp Dermatol** 1981 Jul;6(4):355–66
Occupational cold urticaria from contact spray. Björkner B. **Contact Dermatitis** 1981 Nov;7(6):338–9
Contact urticaria from cabbage (brassica). Calnan CD. **Contact Dermatitis** 1981 Sep;7(5):279
Perioral contact urticaria from sorbic acid and benzoic acid in a salad dressing. Clemmensen O, et al. **Contact Dermatitis** 1982 Jan;8(1):1–6
Occupational contact urticaria to fresh cow and pig blood in slaughtermen. Göransson K. **Contact Dermatitis** 1981 Sep;7(5):281–2
Contact urticaria to apricot stone. Göransson K. **Contact Dermatitis** 1981 Sep;7(5):282
Contact urticaria to fish. Göransson K. **Contact Dermatitis** 1981 Sep;7(5):282–3
Allergy to chalk dyes. Lovell CR, et al. **Contact Dermatitis** 1981 Nov;7(6):345
Failure to induce immunologic contact urticaria. Marks JG Jr, et al. **Contact Dermatitis** 1981 Nov;7(6):344–5
Urticaria from pig's gut. Moseng D. **Contact Dermatitis** 1982 Mar;8(2):135–6
Contact urticaria from rat tail, guinea pig, streptomycin and vinyl pyridine. Rudzki E, et al. **Contact Dermatitis** 1981 Jul;7(4):186–8
Contact urticaria from Cotoneaster. van Ketel WG. **Contact Dermatitis** 1982 Mar;8(2):139
Contact urticaria to cow's milk. Edwards EK Jr. **Cutis** 1981 Oct;28(4):450–1
Aquagenic urticaria. Tkach JR. **Cutis** 1981 Oct;28(4):454, 463
Mediator release in local heat urticaria. Atkins PC, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):286–9
Evaluation of a patient with both aquagenic and cholinergic urticaria. Davis RS, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):479–83
Exercise–induced anaphylaxis as a manifestation of cholinergic urticaria. Kaplan AP, et al. **J Allergy Clin Immunol** 1981 Oct;68(4):319–24
Identification of a new physically induced urticaria: cold–induced cholinergic urticaria. Kaplan AP, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):438–41
Exercise–induced urticaria, angioedema, and anaphylactoid episodes. Lewis J, et al. **J Allergy Clin Immunol** 1981 Dec; 68(6):432–7
Delayed pressure urticaria: an investigation of some parameters of lesion induction. Estes SA, et al. **J Am Acad Dermatol** 1981 Jul;5(1):25–31
Cold urticaria in infectious mononucleosis. Lemanske RF Jr, et al. **JAMA** 1982 Mar 19;247(11):1604
Frequency of Giardia lamblia in certain allergic syndromes. Chirilă M, et al. **Med Interne** 1981 Oct–Dec;19(4):367–72
Cholinergic and cold urticarias. McDonald CJ. **Postgrad Med** 1982 Mar;71(3):216
Acute urticaria in children: causes and an aggressive diagnostic approach. Schuller DE. **Postgrad Med** 1982 Aug;72(2):179–85
Strongyloidiasis and chronic urticaria. Corsini AC. **Postgrad Med J** 1982 Apr;58(678):247–8
Urticaria in loxoscelism [letter] Hagen MD. **South Med J** 1981 Nov;74(11):1427
Hyperthyroid–induced urticaria. MacKechnie HL. **South Med J** 1982 Jun;75(6):740–1
[Acute urticaria, beware of hepatitis B] Berretty PJ, et al. **Acta Clin Belg** 1981;36(1):25–9 **(Dut)**
[Contact urticaria] Lahti A, et al. **Duodecim** 1981; 97(22):1838–44 **(Fin)**
[Urticarial rash in cow–milk allergy (author's transl)] Massicot P, et al. **Ann Dermatol Venereol** 1982; 109(3):237–46 (Eng. Abstr.) **(Fre)**
[Solar urticaria] Zina G, et al. **Ther Umsch** 1982 Mar; 39(3):189–92 (Eng. Abstr.) **(Fre)**
[Acute urticaria in ethylene diamine theophylline therapy (letter)] Neumann H. **Dtsch Med Wochenschr** 1982 Jan 22; 107(3):116 **(Ger)**
[Water urticaria] Van Hecke E. **Hautarzt** 1981 Oct; 32(10):532–4 **(Ger)**
[Applied allergology. Part 6. Urticaria] Ring J. **MMW** 1981 Dec 4;123(49):64–6, 68 **(Ger)**
[Solar urticaria (editorial)] Shafrir A. **Harefuah** 1982 Feb 15; 102(4):174–5 **(Heb)**
[A case of solar urticaria with inhibition spectrum (author's transl)] Hasei K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 May;91(6):637–44 **(Jpn)**
[Role of bacterial and fungal infections in the etiology of chronic urticaria] Dubiecki W, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):453–57 (Eng. Abstr.) **(Pol)**
[Delayed urticaria caused by pressure] Rudzki E, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):459–62 **(Pol)**
[Etiological structure of strophulus, urticaria and Quincke's edema in children] Potemkina AM, et al. **Pediatriia** 1981 Jul;(7):62–5 **(Rus)**
[Urticaria] Savchak VI. **Sov Med** 1982;(2):76–80 (58 ref.) **(Rus)**

FAMILIAL & GENETIC

Dermo–distortive urticaria: an autosomal dominant dermatologic disorder. Epstein PA, et al. **Am J Med Genet** 1981;9(4):307–15
Genetic linkage analysis of dermo–distortive urticaria. Epstein PA, et al. **Am J Med Genet** 1981;9(4):317–21
[Familial cold urticaria. Apropos of a case] Roux H, et al. **Rev Rhum Mal Osteoartic** 1982 Feb;49(2):131–5 **(Fre)**

IMMUNOLOGY

Clinical evaluation and pathomechanism of urticaria–like skin eruption in systemic lupus erythematosus. Horváth A, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):253–6
The diagnosis of hymenoptera hypersensitivity. Ramirez DA, et al. **Ann Allergy** 1981 Nov;47(5 Pt 1):303–6
Chronic urticaria and angioedema. Small P, et al. **Clin Allergy** 1982 Mar;12(2):131–6
Cholinergic urticaria and neuromuscular blocking agents. Wolf R. **Cutis** 1981 Oct;28(4):448–9
Correlation between Dermatophagoides pteronyssinus and Dermatophagoides farinae in house dust mites in chronic urticaria. Sumimoto A, et al. **Hiroshima J Med Sci** 1981 Sep;30(3):247–50
Idiopathic cold urticaria: in vitro demonstration of histamine release upon challenge of skin biopsies. Kaplan AP, et al. **N Engl J Med** 1981 Oct 29;305(18):1074–7
Exploiting the cold–urticaria model [editorial] Mathews KP. **N Engl J Med** 1981 Oct 29;305(18):1090–1
[Chronic urticaria and monoclonal IgM : 5 cases (author's transl)] Clauvel JP, et al. **Ann Med Interne (Paris)** 1981; 132(6):385–9 (Eng. Abstr.) **(Fre)**
[Chronic urticaria] Shalit M, et al. **Harefuah** 1981 Aug; 101(3–4):68–70 **(Heb)**
[A case of contact urticaria with reagin of raw prawn crust (author's transl)] Nagano T, et al. **Arerugi** 1982 Jan; 31(1):46–50 (Eng. Abstr.) **(Jpn)**

METABOLISM

Release of gastric histamine in patients with urticaria and food allergy. Reimann HJ, et al. **Agents Actions** 1982 Apr; 12(1–2):111–3
Dissociation of histamine release and clinical improvement following treatment of acquired cold urticaria by prednisone. Black AK, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):327–31

PATHOLOGY

Pruritic urticarial papules and plaques of pregnancy (PUPPP). A clinicopathologic study. Callen JP, et al. **J Am Acad Dermatol** 1981 Oct;5(4):401–5

PHYSIOPATHOLOGY

The functional and physicochemical characterization of three eosinophilotactic activities released into the circulation by cold challenge of patients with cold urticaria. Wasserman SI, et al. **Clin Exp Immunol** 1982 Mar;47(3):570–8
A study on psychological & dermatophysiological aspects of chronic urticaria cases. Sengupta B. **Indian J Dermatol** 1982 Jan;27(1):29–33

PREVENTION & CONTROL

Management of cold urticaria during hypothermic cardiopulmonary bypass. Johnston WE, et al. **N Engl J Med** 1982 Jan 28;306(4):219–21

RADIOGRAPHY

Urticaria of the colon: a nonspecific pattern of submucosal edema. Seaman WB, et al. **AJR** 1982 Mar;138(3):545–7

THERAPY

Urticarias: new approaches to investigation and management. Greaves MW. **Australas J Dermatol** 1981 Aug;22(2):47–52
New approaches in treatment of physical urticarias. Black AK. **Clin Exp Dermatol** 1982 May;7(3):301–10
Successful desensitization in case of solar urticaria with sensitivity to UVA and positive passive transfer test. Wolska H, et al. **Derm Beruf Umwelt** 1982;30(3):84–6
Treatment of urticaria. Guin JD. **Med Clin North Am** 1982 Jul;66(4):831–49 (172 ref.)

URTICARIA, GIANT see **ANGIONEUROTIC EDEMA**

URTICARIA PIGMENTOSA

[Cutaneous mastocytosis in twins] Grinspan Bozza NO, et al. **Med Cutan Iber Lat Am** 1981;9(5):337–44 (Eng. Abstr.) **(Spa)**

BLOOD

An abnormal pre–beta lipoprotein in patients with systemic mastocytosis. Frieri M, et al. **Ann Intern Med** 1982 Aug; 97(2):220–1

COMPLICATIONS

Forty years of diarrhoea in a patient with urticaria pigmentosa. Mahood JM, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):264–5
Concurrence of urticaria pigmentosa and polycythaemia rubra vera. Handler G, et al. **Clin Exp Dermatol** 1981 Jan; 6(1):43–6
Mastocytosis occurring in the testes from patients with idiopathic male infertility. Maseki Y, et al. **Fertil Steril** 1981 Dec;36(6):814–7
Herpes simplex infections with T cell lymphoma [letter] Wantzin GL, et al. **J Am Acad Dermatol** 1981 Oct; 5(4):473–5
Secretory diarrhea and prostaglandin D2 overproduction in systemic mastocytosis [letter] Poynard T, et al. **N Engl J Med** 1982 Jul 15;307(3):186
[Mastocytosis and the gastrointestinal tract] Rohner HG, et al. **Hautarzt** 1981 Dec;32(12):611–6 (44 ref.) (Eng. Abstr.) **(Ger)**
[Osteosclerosis associated with systemic mastocytosis] Rosinus V. **Schweiz Med Wochenschr** 1980 Dec 20; 110(51):1980–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Children's atopy and mastocytosis in the nasal smear. Kajosaari M, et al. **Allergy** 1981 Aug;36(6):405–10
Systemic mastocytosis. Berman BA, et al. **Cutis** 1982 Jun; 29(6):544, 546–7, 550 passim
Systemic mastocytosis, myelofibrosis and portal hypertension. Sawers AH, et al. **J Clin Pathol** 1982 Jun; 35(6):617–9
[Mastocytosis] Ouwendijk RJ, et al. **Ned Tijdschr Geneeskd** 1981 Sep 26;125(39):1560–5 (Eng. Abstr.) **(Dut)**

[Mastocytosis in children (author's transl)] Cambazard F, et al. **Ann Pediatr (Paris)** 1982 Jan;29(1):17-25 (Eng. Abstr.) **(Fre)**

[Malignant systemic mastocytosis (author's transl)] Armand P, et al. **Sem Hop Paris** 1982 May 13;58(19):1181-4 (Eng. Abstr.) **(Fre)**

[Systemic mastocytosis and neurological disorder: case report (author's transl)] Heckl RW, et al. **Nervenarzt** 1982 Feb; 53(2):114-6 **(Ger)**

DRUG THERAPY

Bullous urticaria pigmentosa (cutaneous mastocytosis) and sodium cromoglycate therapy. Evans S, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):572-5

Thyrotropin-releasing hormone suppressed gastric acid output in patients with Zollinger-Ellison syndrome and systemic mastocytosis. Hutton SW, et al. **Am J Med** 1981 Dec;71(6):957-60

Urticaria pigmentosa: clinical picture and response to oral disodium cromoglycate. Czarnetzki BM, et al. **Br J Dermatol** 1981 Nov;105(5):563-7

The treatment of urticaria pigmentosa. James MP. **Clin Exp Dermatol** 1982 May;7(3):311-20 (42 ref.)

Cimetidine in systemic mastocytosis. Berg MJ, et al. **Drug Intell Clin Pharm** 1981 Mar;15(3):180-3

[Systemic mastocytosis. Treatment with disodium cromoglycate and H1 and H2 receptor antagonists (letter)] Martinez-Orozco F, et al. **Med Clin (Barc)** 1982 Jan 25; 78(2):77 **(Spa)**

ENZYMOLOGY

[Occurrence of naphthol-AS-D-chloracetate-esterase-activity in mast cells with special references to cutaneous mastocytoses (author's transl)] Hahn von Dorsche H, et al. **Acta Histochem (Jena)** 1981;69(1):23-30 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Systemic tardive urticaria pigmentosa associated with a pharyngeal carcinoma] Souteyrand P, et al. **Ann Dermatol Venereol** 1981;108(6-7):577-8, 581-2 **(Fre)**

FAMILIAL & GENETIC

Familial urticaria pigmentosa with giant mast cell granules. A clinical, light, and electron microscopic study. James MP, et al. **Arch Dermatol** 1981 Nov;117(11):713-8

Urticaria pigmentosa in patients closely related by birth. Aoki K, et al. **J Dermatol (Tokyo)** 1981 Jun;8(3):229-34

IMMUNOLOGY

Immunofluorescence studies on C1Q in mast cells. Igarashi R, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):27-30

PATHOLOGY

The isomorphic (Koebner) phenomenon in cutaneous mastocytosis. Rampen F, et al. **Acta Derm Venereol (Stockh)** 1981;61(6):567-9

Systemic mast cell disease: a clinical and hematopathologic study of 26 cases. Webb TA, et al. **Cancer** 1982 Mar 1; 49(5):927-38

[Atypical form of cutaneous mastocytosis] Cuadra J, et al. **Ann Dermatol Venereol** 1981;108(11):905-9 **(Fre)**

[The fine structure of mast cells: an ultrastructural study of difference between urticaria pigmentosa (Unna type & Róna type) and normal skin (author's transl)] Kondo T. **Nippon Hifuka Gakkai Zasshi** 1982 Mar;92(4):473-80 **(Jpn)**

PHYSIOPATHOLOGY

Heparin liberation in urticaria pigmentosa. Guillet GY, et al. **Arch Dermatol** 1982 Jul;118(7):532-3

RADIOGRAPHY

[Colonic involvement in systemic mastocytosis (author's transl)] Legman p, et al. **Ann Radiol (Paris)** 1982 Mar; 25(3):167-70 (Eng. Abstr.) **(Fre)**

[Colonic involvement in systemic mastocytosis (author's transl)] Legman P, et al. **Sem Hop Paris** 1982 Jun 10; 58(23):1460-3 (Eng. Abstr.) **(Fre)**

URINE

Increased urinary methylimidazoleacetic acid (MeImAA) as an indicator of systemic mastocytosis. Granerus G, et al. **Agents Actions** 1982 Apr;12(1-2):29-31

VETERINARY

Cutaneous and systemic porcine mastocytosis. Bundza A, et al. **Vet Pathol** 1982 Jul;19(4):453-5

USNIC ACID see under **BENZOFURANS**

USTILAGINALES see under **BASIDIOMYCETES**

USTILAGO see under **BASIDIOMYCETES**

USVC 6524 see under **PINDOLOL**

UTERINE CONTRACTION

Functional pharmacological and morphological characteristics of two regions of rat uterine horns. Borda ES, et al. **Acta Physiol Lat Am** 1978;28(6):223-33

A prospective multi-institutional study of antepartum fetal heart rate monitoring. II. Contraction stress test versus nonstress test for primary surveillance. Freeman RK, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):778-81

Electrical activity of the pregnant uterus in the cynomolgus monkey. Germain G, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):513-9

Uterine contractions and the spread of local anesthetics in the epidural space. Sivakumaran C, et al. **Anesth Analg (Cleve)** 1982 Feb;61(2):127-9

Thromboxane B2, 6-keto-prostaglandin F1 alpha, and prostaglandin F2 alpha production by contracting pregnant rate uteri in vitro. Dubin NH, et al. **Biol Reprod** 1982 Mar; 26(2):281-8

Intrauterine-pressure studies in African nulliparae: delay, delivery and disproportion. Cowan DB, et al. **Br J Obstet Gynaecol** 1982 May;89(5):370-80

Intrauterine-pressure studies in African nulliparae: normal labour progress. Cowan DB, et al. **Br J Obstet Gynaecol** 1982 May;89(5):364-9

Uterine contractions. Harbert GM Jr. **Clin Obstet Gynecol** 1982 Mar;25(1):177-87

Preterm labor. Huddleston JF. **Clin Obstet Gynecol** 1982 Mar; 25(1):123-36 (82 ref.)

Initiation of uterine contractions by purely mechanical stretching of the uterus at midpregnancy. Manabe Y, et al. **Int J Biol Res Pregnancy** 1981;2(2):63-9

Evidence that cervical softening in the pregnant rat is independent of increasing uterine contractility. Hollingsworth M, et al. **J Reprod Fertil** 1981 Nov; 63(2):449-54

Biorhythms of the nonpregnant human uterus. Harbert GM Jr, et al. **J Reprod Med** 1981 Sep;26(9):493-8

Spontaneous motility and prostaglandin generation in rat uterine horns isolated during the estrous cycle. Franchi AM, et al. **Prostaglandins** 1981 Oct;22(4):637-42

Does hypoxia selectively stimulate the generation of prostaglandin E1 by the isolated rat uterus? Gimeno MF, et al. **Prostaglandins Med** 1981 Nov;7(5):375-88

The prevalence of intra-uterine growth retardation in patients with positive contraction stress tests. Odendaal HG, et al. **S Afr Med J** 1981 Nov 14;60(20):782-3

Biology and biochemistry of myometrial contractility and cervical maturation. Huszar G. **Semin Perinatol** 1981 Jul; 5(3):216-35 (81 ref.)

[Normal contractile activity of the pregnant uterus in the 2d trimester of pregnancy] Tsenov D, et al. **Akush Ginekol (Sofiia)** 1981;20(6):429-34 (Eng. Abstr.) **(Bul)**

[Relationship between intrauterine pressure and maternal hemodynamics (author's transl)] Hidaka A, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):925-34 (Eng. Abstr.) **(Jpn)**

[A study on oxytocin challenge test of the fetus with quantitative tocodynamometry determined by contraction index (author's transl)] Sawazumi K. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):987-95 (Eng. Abstr.) **(Jpn)**

[Oxytocin receptor--its effects on inducing uterine contraction (author's transl)] Takagi S. **Horumon To Rinsho** 1982 Mar;30(3):291-300 **(Jpn)**

[Contraction of non-gravid human uterus in various menstrual phases (author's transl)] Araki J. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):360-8 (Eng. Abstr.) **(Jpn)**

[Changes of pregnant rat uterine contraction during pregnancy (author's transl)] Uetake M. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):351-9 (Eng. Abstr.) **(Jpn)**

[Effect of stress on uterine contraction in cows] Dejneka J, et al. **Pol Arch Weter** 1981;23(1):71-8 (Eng. Abstr.) **(Pol)**

[Role of magnesium in the human body, particularly in women, and the effect of magnesium ions on uterine contraction] Nita Z. **Pol Tyg Lek** 1981 Jun 29;36(26):975-8 (35 ref.) **(Pol)**

[Uterine contractile activity in biocontrolled electrostimulation of labor in premature rupture of fetal membranes] Anisimov KIu, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):43-5 (Eng. Abstr.) **(Rus)**

[Characteristics of uterine contractile activity and engorgement in pregnant women with an aggravated obstetrical anamnesis] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1981 Oct;(10):24-7 (Eng. Abstr.) **(Rus)**

[Use of electrorelaxation of the uterus in the treatment of threatened abortion] Khasin AZ, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):30-2 (Eng. Abstr.) **(Rus)**

[Use of uterine electrostimulation for preventing complications in the afterbirth and early puerperal periods] Valiullina NZ. **Akush Ginekol (Mosk)** 1982 Mar;(3):51-2 **(Rus)**

DRUG EFFECTS

Effect of salbutamol on the non-pregnant human uterus in vivo. A hysterometric study in dysmenorrheic women. Lalos O, et al. **Acta Obstet Gynecol Scand** 1981; 60(4):349-52

Mechanisms of beta-adrenergic desensitization in rat myometrium. Johansson SR, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):241-7

An adrenergic mechanism subserves the negative influence of pyruvate on the oxytocin-induced functional activity of isolated rat uterus. Goldraij A, et al. **Acta Physiol Lat Am** 1980;30(2):137-40

Effect of porcine relaxin on cyclic nucleotide levels and spontaneous contractions of the rat uterus. Sanborn BM, et al. **Adv Exp Med Biol** 1982;143:273-87

Pharmacological investigations into the effects of histamine and histamine analogs on guinea pig and rat uterus. Goyal RK, et al. **Agents Actions** 1981 Jul;11(4):312-7

Hormonal effects on the contractile apparatus of the myometrium. Kelly RE, et al. **Am J Anat** 1981 Aug; 161(4):375-82

Deactivation of the uterus during normal and premature labor by the calcium antagonist nicardipine. Csapo AI, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):483-91

Management of labor with umbilical cord prolapse. Katz Z, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):239-41

Effect of nickel on uterine contraction and ultrastructure in the rat. Rubányi G, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1016-20

Intrauterine pressure changes during dysmenorrhea therapy. Smith RP, et al. **Am J Obstet Gynecol** 1982 Jun 1; 143(3):286-92

Randomized control trial of external cephalic version with tocolysis in late pregnancy. Van Dorsten JP, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):417-24

Sensitivity changes after morphine treatment in the mouse uterus. Contreras E, et al. **Arch Int Pharmacodyn Ther** 1982 Jan;255(1):39-47

Spasmolytic effect of lidamidine on uterine smooth muscle. Krebs JB, et al. **Arzneimittelforsch** 1981;31(8):1251-4

Effect of platelet-generated thromboxane on contractions of the pregnant rat uterus. Dubin NH, et al. **Biol Reprod** 1982 Mar;26(2):289-95

Effects of copper and zinc on rat uterine muscle contraction and rabbit blastocyst fluid accumulation. Verdugo P, et al. **Biol Reprod** 1981 Oct;25(3):502-10

Lack of effect of circulating prostacyclin on contractility of the non-pregnant human uterus. Mäkäräinen L, et al. **Br J Obstet Gynaecol** 1982 May;89(5):402-7

Dopamine influence on human uterine activity at term pregnancy. Urban J, et al. **Br J Obstet Gynaecol** 1982 Jun; 89(6):451-5

Prostaglandins, thromboxanes and the pregnant rat uterus at term. Phillips CA, et al. **Br J Pharmacol** 1981 May; 73(1):75-80

The influence of progesterone treatment on the course and outcome of pregnancies following suture of the cervix for cervical incompetence. Zakut H, et al. **Clin Exp Obstet Gynecol** 1981;8(1):1-5

Preterm labor. Huddleston JF. **Clin Obstet Gynecol** 1982 Mar; 25(1):123-36 (82 ref.)

Drug effects on uterine activity and labor. Hutson JM, et al. **Clin Obstet Gynecol** 1982 Mar;25(1):189-201

Influence of copper ions on uterine activity. Laundański T, et al. **Contraception** 1981 Aug;24(2):195-202

Effect of thyrotropin-releasing hormone on rat myometrium. Tonoue T. **Endocrinol Jpn** 1981 Jun;28(3):313-20

Effects of relaxin on in vivo uterine contractions in conscious and unrestrained estrogen-treated and steroid-untreated ovariectomized rats. Cheah SH, et al. **Endocrinology** 1981 Dec;109(6):2076-83

A study on the reactivity of uterine muscle from pregnant and non-pregnant women upon treatment with spasmolytics. Lukanov Y, et al. **Folia Med (Plovdiv)** 1981; 23(1):5-9

Synergistic effect of human relaxin and progesterone on human myometrial contractions. Beck P, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):141-4

Effect of ACTH infusion on induction of uterine contraction in prolonged human pregnancy in association with endocrine function. Miyakawa I, et al. **Int J Gynaecol Obstet** 1981 Apr;19(2):89-96

Aminoglycoside antibiotics and inhibition of uterine contractility [letter] Paradelis AG. **J Antimicrob Chemother** 1982 Apr;9(4):328-9

N-(Methanesulfonyl)-16-phenoxyprostaglandincarboxami tissue-selective, uterine stimulants. Schaaf TK, et al. **J Med Chem** 1981 Nov;24(11):1353-9

Effects of orally administered clenbuterol on oxytocin-induced uterine activity. Wallenburg HC, et al. **J Perinat Med** 1982;10(3):161-6

The action of PGF 2 alpha and oxytocin on rat and guinea-pig isolated uterus in the presence of a glucose metabolism stimulator: fructose-1, 6-diphosphate. Costrini R, et al. **J Pharm Pharmacol** 1981 Sep;33(9):604-6

beta 2-Adrenergic agonist effects of medroxalol and labetalol on rat and mouse uterine muscle. Woodward JK, et al. **J Pharm Pharmacol** 1982 Mar;34(3):193-5

Uterine blood flow, myometrial activity and their response to adenosine during the peri-implantation period in sheep. Fleet IR, et al. **J Reprod Fertil** 1982 May;65(1):195-205

The inhibitory effect of ethanol on oxytocin-induced labor at term. Lauersen NH, et al. **J Reprod Med** 1981 Nov; 26(11):547-50

Modification by magnesium and manganese ions of the effects of oxytocin on the electrical and mechanical activity of the longitudinal muscle of estrogen-treated rat uterus. Osa T, et al. **Jpn J Physiol** 1981;31(3):317-29

Serotonin-like activity in bamboo extracts [letter] Donaldson VH. **Lancet** 1982 Jan 16;1(8264):166

Effects of cycloheximide, puromycin and actinomycin D on the spontaneous motility of isolated rat uterus. Bonacossa A, et al. **Pharmacol Res Commun** 1982 May;14(5):455-67

The spontaneous motility and the prostaglandin E-like material generation is different in the implantation and in the non-implantation regions of the uterus isolated from rats in natural estrus. Influences of indomethacin. Gimeno AL, et al. **Pharmacol Res Commun** 1981 Jul;13(7):679-94

Modification by insulin of the effects of anoxia, substrate deprivation, metabolic inhibitors and verapamil on contractions of isolated rat uterine smooth muscle. Goldraij A, et al. **Pharmacol Res Commun** 1982 Mar;14(3):267-78

A different contractile response to catecholamines of two regions (mesometrial and antimesometrial) of isolated rat uterine horns. Sterin-Speziale N, et al. **Pharmacol Res Commun** 1981 Apr;13(4):401-11

Kallikrein-induced uterine contraction independent of kinin formation. Chao J, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6154-7

Effect of corticosterone, hydrocortisone and prostaglandin fatty acid precursors on the spontaneous motility of the uterus isolated from ovariectomized rats. Bonacossa A, et al. **Prostaglandins** 1982 Jan;23(1):113-28

Uterine stimulant action of some omega-chain modified (+)-11-deoxyprostaglandins. Broughton BJ, et al. **Prostaglandins** 1981 Jul;22(1):53-64

Combined effects of diflunisal and nifedipine on uterine contractility in dysmenorrhoeic patients. Forman A, et al. **Prostaglandins** 1982 Feb;23(2):237-46

Effects of suprofen and other prostaglandin synthetase inhibitors in a new animal model for myometrial hyperactivity. Hahn DW, et al. **Prostaglandins** 1982 Jan; 23(1):1-16

Inhibition of myometrial activity by calcium antagonists. Forman A, et al. **Semin Perinatol** 1981 Jul;5(3):288-94 (30 ref.)

[Control of the effect of treatment in late threatened abortions using the DU-1 Dynamo-uterograph] Tsenov D, et al. **Akush Ginekol (Sofiia)** 1982;21(1):11-5 (Eng. Abstr.) **(Bul)**

[Uterine contraction and pyrogenic action of yuanhuacine (author's transl)] Lu XR, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):186-8 (Eng. Abstr.) **(Chi)**

[Has indomethacin an inhibiting effect on uterine contractions?] Hansen P, et al. **Ugeskr Laeger** 1981 Aug 24;143(35):2229-30 (Eng. Abstr.) **(Dan)**

[Antispasmodics in obstetrics: myth or reality (author's transl)] Ahmed LT, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1982;11(2):281-4 (Eng. Abstr.) **(Fre)**

[Intrauterine pressure and fetal and maternal heart rate on administration of the betamimetic agent, hexoprenaline during labour (author's transl)] Bernaschek G, et al. **Wien Klin Wochenschr** 1981 Sep 18;93(17):541-7 (Eng. Abstr.) **(Ger)**

[Control of uterine contraction with tocolytic agents (ritodrine). 2. Use in cases of threatened abortion, cervical incontinence and gynecologic surgery in pregnancy] Colombo PA, et al. **Ann Ostet Ginecol Med Perinat** 1981 Nov-Dec;102(6):431-40 (Eng. Abstr.) **(Ita)**

[Cardiotocography in a case of anencephaly] Imperiale F, et al. **Minerva Ginecol** 1981 Sep;33(9):825-30 **(Ita)**

[Preclinical study of third generation beta 2-stimulant (procaterol) on inhibition of uterine contraction (author's transl)] Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul; 34(7):899-904 (Eng. Abstr.) **(Jpn)**

[A study on the uterine contractile effect of 16, 16-dimethyl-trans-delta 2-PGE1 methyl ester (ONO-802) (author's transl)] Ohkawa R. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr;34(4):460-8 (Eng. Abstr.) **(Jpn)**

[A study on the relation among oxytocin challenge test, maternal serum estriol level and placental change (author's transl)] Sawazumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May; 34(5):589-93 (Eng. Abstr.) **(Jpn)**

[Effects of 16,16-dimethyl-trans-delta 2-PGE1 methyl ester (ONO-802) on uterine motility (author's transl)] Matsumoto K, et al. **Nippon Yakurigaku Zasshi** 1981 Oct; 78(4):231-8 (Eng. Abstr.) **(Jpn)**

[Oral prostaglandin test of uterine readiness for labor] Klimek R. **Ginekol Pol** 1981 Jan;52(1):69-71 (Eng. Abstr.) **(Pol)**

[Effect of copper ions on the contractility of rabbit's myometrium in vitro] Kobylec E, et al. **Ginekol Pol** 1981 Oct;52(10):873-7 (Eng. Abstr.) **(Pol)**

[Effect of morphine on myometrial contractility in the rat] Konopiński P, et al. **Ginekol Pol** 1982 Jan-Feb;53(1-2):13-6 **(Pol)**

[Development of uterine contractility and fetal heart activity during ketamine anesthesia in parturients] Opacki W. **Ginekol Pol** 1981 Aug;52(8):699-704 (Eng. Abstr.) **(Pol)**

[Induction and stimulation of labor with prostaglandin E2 in EPH gestosis] Otoka A. **Ginekol Pol** 1981 Sep; 52(9):775-80 (Eng. Abstr.) **(Pol)**

[Our modification of therapeutic procedures in cases of prolonged pregnancy] Woyton J, et al. **Ginekol Pol** 1981 Oct;52(10):907-11 (Eng. Abstr.) **(Pol)**

[Interactions between some benzodiazepines and pyrazolone derivatives] Nechifor M, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul-Sep;85(3):493-4 (Eng. Abstr.) **(Rum)**

[Characteristics of uterine contractile activity with different methods of labor stimulation] Guliev ChK, et al. **Akush Ginekol (Mosk)** 1981 Oct;(10):35-8 (Eng. Abstr.) **(Rus)**

[Effect of dopamine and adenosine on uterine contractile capacity and on the state of the adrenergic system receptors] Urban J, et al. **Akush Ginekol (Mosk)** 1981 Oct; (10):54-5 **(Rus)**

[Barohysterography in study of the action of pharmacological agents on the myometrium] Sizov PI. **Farmakol Toksikol** 1982 Mar-Apr;45(2):130-2 (Eng. Abstr.) **(Rus)**

UTERINE DISEASES

Inversio uteri puerperalis. van Vugt PJ, et al. **Acta Obstet Gynecol Scand** 1981;60(4):353-62 (59 ref.)

Acute nonpuerperal uterine inversion. Schulman JM, et al. **South Med J** 1981 Sep;74(9):1142-5

CHEMICALLY INDUCED

Magnesium sulfate and uterine inversion [letter] Pritchard JA. **Am J Obstet Gynecol** 1982 Jul 15;143(6):725-6

COMPLICATIONS

Management of severe postpartum hemorrhage due to uterine atony using an analogue of prostaglandin F2 alpha. Hayashi RH, et al. **Obstet Gynecol** 1981 Oct;58(4):426-9

Urinary retention caused by impaction of enlarged uterus. Kondo A, et al. **Urol Int** 1982;37(2):87-90

[Abdominal pain and curettage in the anamnesis (Asherman's syndrome)] Lammes FB. **Ned Tijdschr Geneeskd** 1982 Apr 17;126(16):697-700 **(Dut)**

[Uterine synechiae in fertility disorders] Elizondo Elizondo F, et al. **Ginecol Obstet Mex** 1981 Jun;49(296):359-66 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Dynamic echohysteroscopy: a new diagnostic technique in the study of female infertility. Nannini R, et al. **Acta Eur Fertil** 1981 Jun;12(2):165-71

Torsion of pregnant uterus [letter] Thiery M. **Am J Obstet Gynecol** 1982 Aug 1;143(7):852

A simple technique for visualization of the uterine cavity and its pathology during ultrasound scanning. Beyth Y, et al. **Isr J Med Sci** 1982 Jul;18(7):817-8

The obstructed uterus. Scott WW Jr, et al. **Radiology** 1981 Dec;141(3):767-70

[Torsion of the pregnant uterus] Birkler NE. **Ugeskr Laeger** 1981 Jun 29;143(27):1709-10 (Eng. Abstr.) **(Dan)**

[Ultrasonographic diagnosis of vesicouterine fistula (author's transl)] Weinraub Z, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):397-8 (Eng. Abstr.) **(Ger)**

[Torsion of the uterus during labor] Eran A, et al. **Harefuah** 1982 Jan 1;102(1):21-2 **(Heb)**

[Diagnostic value of metrography and hysteroscopy in certain forms of intrauterine pathology] Breusenko VG, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):53-4 **(Rus)**

[Determination of the state of the uterine cicatrix by ultrasound] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):45-7 **(Rus)**

DRUG THERAPY

[Clinical use of gossypol in gynecology (author's transl)] Zhou SW. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul; 16(3):137-41 **(Chi)**

[Partusisten and sigetin treatment of hypotrophy of female rabbit fetuses in experimental disorders of utero-placental circulation] Chistiakov GV. **Vestn Akad Med Nauk SSSR** 1981;(6):36-8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Spontaneous perforation of pyometra with diffuse peritonitis. Bostofte E, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):511-2

Pyometra. Muram D, et al. **Can Med Assoc J** 1981 Sep 15; 125(6):589-92

Intrauterine adhesions: an updated appraisal. Schenker JG, et al. **Fertil Steril** 1982 May;37(5):593-610 (100 ref.)

Vesicouterine fistula caused by Fusobacterium necrophorum. Baker DA. **J Infect Dis** 1982 Feb;145(2):282

Pelvis actinomycosis associated with intrauterine contraceptive devices. Barrett JM, et al. **J Tenn Med Assoc** 1981 Jul;74(7):492-3

A case report: ureterouterine fistula as a complication of elective abortion. Keegan GT, et al. **J Urol** 1982 Jul; 128(1):137-8

[An analysis of 166 cases of uterine adhesion after uterine curettage of suction (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979 Apr;14(2):118-21 **(Chi)**

[Puerperal uterine inversion] Krenning RA, et al. **Ned Tijdschr Geneeskd** 1981 Nov 7;125(45):1819-23 (Eng. Abstr.) **(Dut)**

[Urological complications of cesarean section. Vesico-uterine fistulas] Russo A, et al. **Minerva Ginecol** 1981 Jul-Aug; 33(7-8):691-6 (Eng. Abstr.) **(Ita)**

[Cytological changes caused by intrauterine devices] Gribaudi G, et al. **Pathologica** 1981 Mar-Apr; 73(1024):207-16 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Fluctuation of immunoglobulin levels in cervical mucus during the various phases of female reproductive life and its alteration in uterine disorders. Saha K, et al. **Indian J Med Res** 1981 Nov;74:696-704

METABOLISM

Theophylline-estrogen interaction in the rat uterus: role of the ovary. Steinsapir J, et al. **Am J Physiol** 1982 Feb; 242(2):E121-6

MICROBIOLOGY

Endometrial infection in women with Chlamydial salpingitis. Wølner-Hanssen P, et al. **Sex Transm Dis** 1982 Apr-Jun; 9(2):84-8

Coccidioidomycosis of the uterus. Salgia K, et al. **South Med J** 1982 May;75(5):614-6

OCCURRENCE

Acute puerperal inversion of the uterus. Platt LD, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):187-90

PATHOLOGY

Fatal Clostridium perfringens infection after normal term pregnancy. Kirkpatrick CJ, et al. **Arch Gynecol** 1982; 231(2):167-70

Extensive squamous metaplasia of the endometrium (ichthyosis uteri). Brown D Jr, et al. **South Med J** 1982 May;75(5):593-5

[Syndrome of irregular maturation of the endometrium] Bouchet C, et al. **Arch Inst Pasteur Tunis** 1981 Mar-Jun; 58(1-2):1-13 (Eng. Abstr.) **(Fre)**

[Giant cell arteritis of the uterus] Martinelli G, et al. **Pathologica** 1981 Mar-Apr;73(1024):263-8 (Eng. Abstr.) **(Ita)**

SURGERY

Torsion of the pregnant human uterus without symptoms. Nielsen TF. **Am J Obstet Gynecol** 1981 Dec 1;141(7):838-9

Indications of hysterectomy. Thompson JD, et al. **Clin Obstet Gynecol** 1981 Dec;24(4):1245-58

The separation procedure for intrauterine adhesion (synechia uteri) under roentgenographic view. Ikeda T, et al. **Fertil Steril** 1981 Sep;36(3):333-8

Gestational outcome following hysteroscopic lysis of adhesions. March CM, et al. **Fertil Steril** 1981 Oct; 36(4):455-9

Concomitant hysteroscopy and hysterography in Asherman's syndrome. Lancet M, et al. **Int J Fertil** 1981;26(4):267-72

Hysterectomy in the Hausa/Fulani population in Nigeria. Ezem BU, et al. **Int J Gynaecol Obstet** 1981 Apr; 19(2):145-8

Hysteroscopic resection of intrauterine scars using a new technique. Neuwirth RS, et al. **Obstet Gynecol** 1982 Jul; 60(1):111-3

[Uterine synechiae: treatment and results] Allocca G, et al. **Arch Ostet Ginecol** 1980 Sep-Oct;85(5):475-9 **(Ita)**

[Use of the transverse incision of the abdominal wall in operations for benign pathology of the uterus] D'Antona N, et al. **Riv Ital Ginecol** 1980;59(4-5):365-75 (Eng. Abstr.) **(Ita)**

[Pathological conditions and complications of cesarean section requiring hysterectomy] Jaworski E. **Wiad Lek** 1981 Aug 15;34(16):1337-40 (Eng. Abstr.) **(Pol)**

[Treatment of postoperative abdominal wall-genital fistulas] Savitskaia LK, et al. **Akush Ginekol (Mosk)** 1981 Sep; (9):36-38 (Eng. Abstr.) **(Rus)**

[Experience with the use of liquid crystal thermography in the cryogenic treatment of uterine diseases] Zaporozhan VN, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):51-3 **(Rus)**

[Vesico-uterine fistulas] Tramoyeres Cases A. **Arch Esp Urol** 1981 Nov-Dec;34(6):423-30 (Eng. Abstr.) **(Spa)**

THERAPY

Puerperal inversion of the uterus. van Deursen CT. **East Afr Med J** 1981 Dec;58(12):971-5

Lysis of intrauterine adhesions under hysteroscopic control. A report of 25 operations. Siegler AM, et al. **J Reprod Med** 1981 Jul;26(7):372-4

[Balneotherapy of patients with retrodeviation of the uterus] Sokolova AS. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov-Dec;(6):44-6 (Eng. Abstr.) **(Rus)**

VETERINARY

Intrauterine inoculation of Mycobacterium paratuberculosis into guinea pigs and cattle. Merkal RS, et al. **Am J Vet Res** 1982 Apr;43(4):676-8

Effect of estrogen and progesterone on the phagocytic response of ovariectomized mares infected in utero with beta-hemolytic streptococci. Washburn SM, et al. **Am J Vet Res** 1982 Aug;43(8):1367–70

Uterine torsion with ovarian vein rupture in a ewe. Blanchard TL. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1402–3

Rolling for correction of uterine torsion in a mare. Guthrie RG. **J Am Vet Med Assoc** 1982 Jul 1;181(1):66–7

Surgical management of uterine torsion in the mare: a review of 26 cases. Pascoe JR, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):351–4

Post-mating non-infectious hydromctra in BALB/c: Bom mice. Kunstýř I, et al. **Lab Anim** 1982 Jan;16(1):51–5

Pathogenesis of hydrometra–endometritis complex in rats. Homma S, et al. **Nippon Juigaku Zasshi** 1981 Jun; 43(3):387–98

Torsion of the bovine uterus [letter] Hindson JC. **Vet Rec** 1981 Sep 5;109(10):207

Urogenital tract infection in the bitch. Järvinen AK. **Vet Res Commun** 1981 Apr;4(4):253–69

Uterus fistula in Chinese hamsters (Cricetulus griseus). van der Gulden WJ. **Z Versuchstierkd** 1981;23(6):346–7

Excessive oedema of the genital tract in the mare. Henry M, et al. **Zentralbl Veterinarmed** [A] 1981;28(5):390–409

UTERINE HEMORRHAGE

Dysfunctional uterine bleeding. Fayez JA. **Am Fam Physician** 1982 Mar;25(3):109–15

BLOOD

Hormone levels in healthy post-menopausal women and in women with post-menopausal bleeding with or without endometrial carcinoma. von Holst T, et al. **Maturitas** 1981 Dec;3(3–4):315–20

[A study of apocrine resembled metaplasia of endometrium in the patient with functional uterine bleeding and their hormone levels (author's transl)] Suzuki H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):701–8 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Low-dose enflurane does not increase blood loss during therapeutic abortion. Sidhu MS, et al. **Anesthesiology** 1982 Aug;57(2):127–9

DIAGNOSIS

Comparison of fluid hysteroscopy and CO2 hysteroscopy. Seki M, et al. **Endoscopy** 1982 Jul;14(4):141–5

Oncological indications of hysteroscopy. Dexeus S, et al. **Eur J Gynaec Oncol** 1981;2(2):39–42

Hysteroscopic evaluation of patients with abnormal uterine bleeding. Valle RF. **Surg Gynecol Gostet** 1981 Oct; 153(4):521–6

[Contact hysteroscopy and hysterography in uterine hemorrhages] Grozdanov G, et al. **Akush Ginekol (Sofiia)** 1982;21(1):54–7 (Eng. Abstr.) **(Bul)**

[Management of retained secundines by hysteroscopy (author's transl)] Morimoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2187–92 (Eng. Abstr.) **(Jpn)**

[Diagnostic importance of hysteroscopy in examining patients with juvenile hemorrhages] Pobedinskii NM, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):26–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of progestogen (lynoestrenol) on abnormal uterine bleeding. Dutta A, et al. **J Indian Med Assoc** 1981 Oct 1;77(7):110–3

Use of intravenous Premarin in the treatment of dysfunctional uterine bleeding—a double-blind randomized control study. DeVore GR, et al. **Obstet Gynecol** 1982 Mar; 59(3):285–91

ETIOLOGY

Dysfunctional uterine bleeding. Charnock M. **Br J Hosp Med** 1981 Oct;26(4):395, 397–9

Vaginal bleeding in granuloma inguinale. Case reports. Murugan S, et al. **Br J Vener Dis** 1982 Jun;58(3):200–1

Abruption and premature separation of placenta previa. Gorodeski IG, et al. **Eur J Obstet Gynecol Reprod Biol** 1982 Mar;13(2):75–85

Massive haemorrhage from vaginal varicose veins in patient with liver cirrhosis [letter] Eriksson LS, et al. **Lancet** 1982 May 22;1(8282):1180

IUD use and unexplained vaginal bleeding. Huggins GR. **Obstet Gynecol** 1981 Oct;58(4):409–16

Laser conization versus cold knife conization. Larsson G, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):59–61

Some unusual gynaecological observations during an outbreak of dengue in Kingston, Jamaica. Sengupta BS. **Trop Geogr Med** 1981 Dec;33(4):397–9

[Post-menopausal genital hemorrhage (preliminary note)] Di Lieto A, et al. **Arch Ostet Ginecol** 1980 May–Jun; 85(3):157–60 **(Ita)**

[Post-menopausal uterine hemorrhages] La Sala G, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):31–4 **(Ita)**

[Clinico-pathologic correlations of uterine hemorrhage in material examined in the Department of Gynecology and Obstetrics in Zrenjanin 1975–1979] Nedeljković B, et al. **Med Pregl** 1981;34(3–4):149–51 (Eng. Abstr.) **(Scr)**

PHYSIOPATHOLOGY

[Blood coagulation studies in dysfunctional uterine hemorrhages] Mandakas N, et al. **Akush Ginekol (Sofiia)** 1981;20(5):392–4 **(Bul)**

[Hypophyseal gonadotropic and prolactin-secreting functions in dysfunctional uterine hemorrhages depending on the method of hemostatic therapy and age] Dobrotina AF, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):23–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Cervical conization: surgical variant in the prevention of hemorrhagic complication] Iglesias J, et al. **Rev Chil Obstet Ginecol** 1979;44(4):132–9 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

[Intracavitary radiotherapy of benign recurrent uterine bleedings (author's transl)] Kucera H, et al. **Geburtshilfe Frauenheilkd** 1982 May;42(5):391–3 (Eng. Abstr.) **(Ger)**

SURGERY

Full-term deliveries after ligation of bilateral internal iliac arteries and infundibulopelvic ligaments. Shinagawa S, et al. **Acta Obstet Gynecol Scand** 1981;60(4):439–40

Dilation and curettage for abnormal bleeding [letter] Hemsell DL. **Am J Obstet Gynecol** 1982 Sep 1;144(1):114–5

THERAPY

[(Transcatheter) angiographic arterial embolization, a new method of vascular hemostasis for the control of massive hemorrhage in gynecology and obstetrics] Negură A. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):537–40 **(Rum)**

[Treatment of dysfunctional uterine hemorrhages] Benediktov II, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):52–4 **(Rus)**

[Electropuncture treatment of juvenile hemorrhages] Kobozeva NV, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):28–30 (Eng. Abstr.) **(Rus)**

VETERINARY

Intrauterine mummified fetus in a rhesus monkey (Macaca mulatta). Swindle MM, et al. **J Med Primatol** 1981; 10(4–5):269–73

UTERINE INERTIA

DRUG THERAPY

Control of postpartum uterine atony by intramyometrial prostaglandin. Bruce SL, et al. **Obstet Gynecol** 1982 Jun; 59(6 Suppl):47S–50S

ENZYMOLOGY

[Myometrial histochemical study of parturients with primary atomic labor] Kuc A, et al. **Akush Ginekol (Mosk)** 1981 May;(5):36–7 **(Rus)**

PREVENTION & CONTROL

[Use of partusisten for preventing uterine inertia in women with a prolonged preliminary period] Gorovenko VN, et al. **Akush Ginekol (Mosk)** 1981 Nov;(11):53 **(Rus)**

UTERINE NEOPLASMS

Endometrial stroma sarcoma. Henriksen HM, et al. **Acta Obstet Gynecol Scand** 1981;60(4):385–8

Criteria toward the definition of nonmetastatic gestational trophoblastic disease after hydatidiform mole. Kohorn EI. **Am J Obstet Gynecol** 1982 Feb 15;142(4):416–9

A comparison of estrogen use by women with endometrial cancer, gynecologic disorders, and other illnesses. Stavraky KM, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):547–55

Roentgenologic manifestations of pulmonary metastases in choriocarcinoma and invasive mole. Sung HC, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):89–97

Endometrial adenocarçinoma metastatic to the scalp. Report of two cases. Debois JM. **Arch Dermatol** 1982 Jan; 118(1):42–3

Pulmonary metastasis of choriocarcinoma with a miliary roentgenographic pattern [letter] Tsao MS, et al. **Arch Pathol Lab Med** 1981 Oct;105(10):557–8

Cancer of the endometrium. Käser O, et al. **Asia Oceania J Obstet Gynaecol** 1982 Mar;8(1):13–8

Endometrial hyperplasia and neoplasia. **Clin Obstet Gynecol** 1982 Mar;25(1):1–101

Value of bone scanning in detecting occult skeletal metastases from adenocarcinoma of the endometrium. Kamath CR, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):155–8

Early osseous metastasis of stage 1 endometrial carcinoma: report of a case. Beller U, et al. **Gynecol Oncol** 1982 Aug; 14(1):141–6

Oral contraceptives and postmolar trophoblastic disease. Berkowitz RS, et al. **Obstet Gynecol** 1981 Oct;58(4):474–7

Endometriosis in young teen-age girls. Huffman JW. **Pediatr Ann** 1981 Dec;10(12):44–9

[Diagnostic and therapeutic limitations in gestational trophoblastic disease] Inzunza B, et al. **Rev Chil Obstet Ginecol** 1979;44(5):220–5 (Eng. Abstr.) **(Spa)**

ANALYSIS

Cytoplasmic progesterone and estradiol receptors in normal, hyperplastic, and carcinomatous endometria: therapeutic implications. Ehrlich CE, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):539–46

Possible new markers in trophoblastic diseases. Inaba N, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):973–4

Unconjugated steroids in leiomyomas and tumor–bearing myometrium. Otubu JA, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):130–3

Leiomyomas: steroid receptor content. Variation within normal menstrual cycles. Soules MR, et al. **Am J Obstet Gynecol** 1982 May 1;143(1):6–11

Hormone receptors in endometrial cancer. Gurpide E. **Cancer** 1981 Jul 15;48(2 Suppl):638–41 (31 ref.)

Estrogen receptors in human uterine adenocarcinoma: correlation with tissue differentiation, vaginal karyopycnotic index, and effect of progestogen or anti–estrogen treatment. Billiet G, et al. **Gynecol Oncol** 1982 Aug;14(1):33–9

Trophoblastic cells of the hydatidiform mole contain a beta 1–subtype adrenergic receptor. Moore JJ Jr, et al. **J Clin Endocrinol Metab** 1982 Aug;55(2):341–6

Evidence for the existence of an androgen binding protein in hydatidiform mole vesicles. O'Brien TJ, et al. **J Clin Endocrinol Metab** 1981 Oct;53(4):698–702

Immunohistochemical demonstration of placental protein 5 in trophoblastic tumours. Lee JN, et al. **Placenta** 1982 Jan–Mar;3(1):67–70

[The level of steroid hormone receptors in endometrial cancer] Bieglmayer C, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:159–65 **(Ger)**

[Oestradiol receptors in endometrial carcinomas (author's transl)] Görlich M, et al. **Zentralbl Gynakol** 1982; 104(1):80–5 (Eng. Abstr.) **(Ger)**

[Pregnancy and placental proteins (SP1, HCG, PP5, alpha 2–PAG) in trophoblastic tumor diseases] Than G, et al. **Orv Hetil** 1981 Oct 25;122(43):2650–4 **(Hun)**

[Estrophilic receptors in the normal endometrium, in fibromyoma and in endometrial adenocarcinoma in post–menopausal women] Limone M, et al. **Minerva Ginecol** 1980 Dec;32(12):1089–92 **(Ita)**

[An immunohistochemical study in conjunction with the enzyme labelled antibody method to discern the relevancy between the localization of hCG, hPL and the functions of the normal and malignant trophoblast (author's transl)] Tanaka A. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 May; 34(5):579–88 (Eng. Abstr.) **(Jpn)**

[Steroid receptors and development of uterine myoma] Vasilevskaia LN, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):46–9 (Eng. Abstr.) **(Rus)**

BLOOD

Serum prolactin levels and immunohistochemical localization of prolactin in trophoblastic disease. Ranta T, et al. **Acta Pathol Microbiol Scand** [A] 1981 May;89(3):235–9

Determination of hCG in choriocarcinoma using RIA kits for hCG and hCG–beta. Vlachová J, et al. **Acta Univ Palacki Olomuc Fac Med** 1981;101:166–71

Is pregnancy–associated plasma protein A a tumor marker? Bischof P, et al. **Am J Obstet Gynecol** 1982 Jun 15; 143(4):379–81

Placental proteins (SP1, hCG, PP5) and alpha 2–PAG in trophoblastic diseases. Than GN, et al. **Arch Gynecol** 1981; 231(1):33–9

Circulating placental proteins (hCG, SP1 and PP5) in trophoblastic disease. Lee JN, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):69–72

Effect of variations in globulin concentrations on serum radioimmunoassay results, as exemplified by choriogonadotropin. Jawad MJ, et al. **Clin Chem** 1981 Dec; 27(12):1993–6

Plasma hormone concentrations and serum 17 beta–hydroxysteroid dehydrogenase activity in molar pregnancy. Massart C, et al. **Clin Chem** 1982 Jul; 28(7):1474–7

Steroidogenesis in menopause and endometrial pathology. Marchesoni D, et al. **Clin Exp Obstet Gynecol** 1981; 8(1):21–6

Uterine choriocarcinoma with negative specific serum radioimmunoassay for human chorionic gonadotropins. Bakri Y, et al. **Gynecol Oncol** 1982 Aug;14(1):112–8

Estradiol, androstenedione, testosterone, and dehydroepiandrosterone sulfate in the ovarian and peripheral blood of postmenopausal patients with and without endometrial cancer. Bremond AG, et al. **Gynecol Oncol** 1982 Aug;14(1):119–24

Serum SP1 and hCG beta–subunit (hCG beta) levels in choriocarcinoma, invasive mole, and hydatidiform mole—clinical significance of SP1/hCG beta ratio. Sakuragi N. **Gynecol Oncol** 1982 Jun;13(3):393–8

Carcinomas of the cervix and corpus uteri in humans:

stage-dependent blood levels of substance(s) immunologically cross-reactive with insulin. Pavelić K, et al. **JNCI** 1982 Jun;68(6):891-4

Plasma androstenedione and oestrone levels before and after the menopause. I. Glandular hyperplasia and adenocarcinoma of the endometrium. Scirpa P, et al. **Maturitas** 1982 Apr;4(1):33-42

Hormone levels in healthy post-menopausal women and in women with post-menopausal bleeding with or without endometrial carcinoma. von Holst T, et al. **Maturitas** 1981 Dec;3(3-4):315-20

Concanavalin A binding of pregnancy-specific beta-1-glycoprotein in normal pregnancy and trophoblastic disease. Koistinen R, et al. **Oncodev Biol Med** 1981; 2(3):179-82

[CEA and the clinical course in advanced carcinoma of the uterine cervix (author's transl)] Braun P, et al. **Geburtshilfe Frauenheilkd** 1982 Jun;42(6):462-7 (Eng. Abstr.) **(Ger)**

[The response of free alpha-subunit of glycoprotein hormones to LH-RH administration (author's transl)] Hamamoto T, et al. **Nippon Naibunpi Gakkai Zasshi** 1982 May 20;58(5):679-88 (Eng. Abstr.) **(Jpn)**

[Serum ferritin levels in patient with gynecological malignancy--especially the judgement of therapeutic response and the monitor during the post-therapeutic follow-up period (author's transl)] Washizuka N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1695-702 (Eng. Abstr.) **(Jpn)**

[Assessment of RIA kit for measuring pregnancy-specific beta 1 glycoprotein (SP1) and its clinical significance as a tumor marker (author's transl)] Tsujino D, et al. **Radioisotopes** 1981 Sep;30(9):502-4 **(Jpn)**

[Clinical evaluation on serum ferritin in gynecological diseases with special attention to uterine cancer (author's transl)] Ishikawa K, et al. **Rinsho Ketsueki** 1982 Feb; 23(2):129-37 (Eng. Abstr.) **(Jpn)**

[Incidence of hemorrhagic complications and the system of hemostasis in endometriosis] Bromboszcz A, et al. **Ginekol Pol** 1981 Sep;52(9):819-23 (Eng. Abstr.) **(Pol)**

[Hormonal changes in endometrial precancer and cancer] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1981 Dec; (12):20-3 (Eng. Abstr.) **(Rus)**

[Hypophyseal thyrotropic activity and the triiodothyronine and thyroxine content in the blood in uterine myoma] Trubnikova LI. **Akush Ginekol (Mosk)** 1981 Jul;(7):12-5 (Eng. Abstr.) **(Rus)**

[Correlation of the trophoblastic beta 1-globulin and chorionic gonadotropin indices and the clinical course of the disease in uterine chorionepithelioma] Zhordina KI, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):55-6 **(Rus)**

[Use of the physicochemical characteristics of serum albumin for diagnosing ovarian and uterine cancer] Troitskii GV, et al. **Vopr Onkol** 1982;28(1):28-33 (Eng. Abstr.) **(Rus)**

[Thalassemia and anesthesia. A case report (author's transl)] Carrasco Jiménez MS, et al. **Rev Esp Anestesiol Reanim** 1982 Mar;29(2):95-8 (Eng. Abstr.) **(Spa)**

BLOOD SUPPLY

[Studies on the angioarchitecture of uterine myoma (author's transl)] Awataguchi K. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):225-32 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

Cerebrospinal fluid human chorionic gonadotropin levels in normal pregnancy and choriocarcinoma. Berkowitz RS, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):687-9

CHEMICALLY INDUCED

On the role of estrogens in endometrial carcinogenesis. Astedt B. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:33-5 (30 ref.)

Role of hormones in the etiology and prevention of endometrial and breast cancer. Gambrell RD Jr. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:37-46 (50 ref.)

Etiology of DES-induced uterine tumors in the Syrian hamster. Leavitt WW, et al. **Adv Exp Med Biol** 1981; 138:63-86

Estrogens and endometrial cancer: fact or fiction? Fowler WC Jr. **Ala J Med Sci** 1982 Jan;19(1):38-45

Exogenous estrogens and endometrial cancer: a case-control study and assessment of potential biases. Spengler RF, et al. **Am J Epidemiol** 1981 Oct;114(4):497-506

Estrogen--a cause of gynecologic cancer? Lucas WE. **Cancer** 1981 Jul 15;48(2 Suppl):451-4 (44 ref.)

Hormone-dependent uterine sarcomas in GR mice. Briand P, et al. **Eur J Cancer** 1981 Jun;17(6):635-41

Exogenous estrogens: a continuing controversy. Malkasian GD Jr. **Geriatrics** 1982 Mar;37(3):79-81, 85-6, 88

Estrogens and endometrial cancer. Ambrus JL, et al. **J Med** 1981;12(2-3):81-8

Spontaneous occurrence of atypical hyperplasia and adenocarcinoma of the uterus in androgen-sterilized SD rats. Morikawa S, et al. **JNCI** 1982 Jul;69(1):95-101

Postmenopausal estrogen therapy: a review. Mosher BA, et al. **Obstet Gynecol Surv** 1981 Sep;36(9):467-75 (96 ref.)

[Oral contraception and cancer risk] Genton CY. **Schweiz Med Wochenschr** 1981 Nov 14;111(46):1742-8 (39 ref.) (Eng. Abstr.) **(Ger)**

[Adenocarcinoma arising in adenomyosis after estrogen therapy in the menopause] Zanetti G, et al. **Pathologica** 1981 Mar-Apr;73(1024):233-40 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

Uterine hysteria [letter] **Am J Surg Pathol** 1981 Dec; 5(8):795-8

[Close classification method of undetermined cases of trophoblastic disease (author's transl)] Uchida K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2017-25 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Benign molar pregnancies: pulmonary complications. Huberman RP, et al. **AJR** 1982 Jan;138(1):71-4

Skin metastases from malignant gestational trophoblastic disease: report of two cases. Ertüngealp E, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):843-6

Spontaneous pneumothorax in gynecologic malignancies. Helmkamp BF, et al. **Am J Obstet Gynecol** 1982 Mar 15; 142(6 Pt 1):706-7

Pregnancy outcome subsequent to consecutive hydatidiform moles. Lurain JR, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1060-1

Torsion of the pregnant human uterus without symptoms. Nielsen TF. **Am J Obstet Gynecol** 1981 Dec 1;141(7):838-9

Fetal head deformation and congenital torticollis associated with a uterine tumor. Romero R, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):839-40

Multiple hamartoma syndrome with endometrial carcinoma and the sign of Leser-Trélat. Aylesworth R, et al. **Arch Dermatol** 1982 Feb;118(2):136-8

Herpes gestationis associated with choriocarcinoma. Slazinski L, et al. **Arch Dermatol** 1982 Jun;118(6):425-8

Chronic consumptive coagulopathy with a uterine leiomyoma. Harris MG, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):54-8

Non-puerperal uterine inversion. Case report. Krenning RA, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):247-9

Myometrial haemangioma. A rare cause of severe menorrhagia. Case report. Milton PJ, et al. **Br J Obstet Gynaecol** 1981 Oct;88(10):1054-5

Epidural use of morphine in managing the pain of carneous degeneration of a uterine leiomyoma during pregnancy. Treissman DA, et al. **Can Med Assoc J** 1982 Mar 1; 126(5):505-6

Hyperthyroidism in gestational trophoblastic neoplasia. Norman RJ, et al. **Clin Endocrinol (Oxf)** 1981 Oct; 15(4):395-401

Nephrotic syndrome in association with a trophoblastic neoplasm [letter] Lambie AT, et al. **Clin Nephrol** 1982 Mar; 17(3):160-1

Endometriosis. Brosens I, et al. **Clin Obstet Gynaecol** 1981 Dec;8(3):639-51

Ovarian pregnancy: association with IUD, pelvic pathology and recurrent abortion. Reichman J, et al. **Eur J Obstet Gynecol Reprod Biol** 1981 Dec;12(6):333-7

Hypertrophic osteoarthropathy associated with endometrial carcinoma. Margolick J, et al. **Gynecol Oncol** 1982 Jun; 13(3):399-404

Coexistent endometriomas in pregnancy: sonographic appearance. McGahan JP, et al. **JCU** 1982 Apr;10(4):180-2

Malacoplakia: an unusual etiology of ureteral obstruction. Rudd EG, et al. **Obstet Gynecol** 1982 Jul;60(1):134-6

[Spigelian hernia caused by fibroma of the uterus] Louw P, et al. **Ugeskr Laeger** 1981 May 4;143(19):1222 (Eng. Abstr.) **(Dan)**

[Primipara in advanced age with myomatous uterus--caesarean section with complications (author's transl)] Anastasiadis P, et al. **Zentralbl Gynakol** 1981; 103(18):1120-3 (Eng. Abstr.) **(Ger)**

[Genital tuberculosis and adenocarcinoma of the endometrium] Spanna GD, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar-Apr; 103(2):153-64 (Eng. Abstr.) **(Ita)**

[Association of carcinosarcoma of the endometrium and ductal carcinoma of the breast. Presentation of a case] Niada R, et al. **Chir Ital** 1981 Aug;33(4):970-3 **(Ita)**

[Oncological aspects of polycystic ovary syndrome] Bokhman IaV, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):19-21 (Eng. Abstr.) **(Rus)**

[Cirrhosis of the liver associated with duodenal ulcer and uterine fibroma with fetal death] Zemskov VS, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):103-4 **(Rus)**

[Duhring-Brocq disease and myoma] Pozo Carballido JL. **Med Cutan Iber Lat Am** 1981;9(2):117-20 (Eng. Abstr.) **(Spa)**

[Acute gastrointestinal hemorrhage caused by an intestinal leiomyoma] Becares MM, et al. **Rev Clin Esp** 1981 Jul 15-31;162(1-2):67-70 **(Spa)**

DIAGNOSIS

Uterine lavage in the diagnosis of endometrial malignancy and its precursors. Barbaro CA, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):135-40

Clinical experience with a new endometrial cell sampling kit (Isaacs curity endometrium cell sampler) in the early detection of endometrial cancer. Feichter GE, et al. **Acta Cytol (Baltimore)** 1982 Mar-Apr;26(2):141-3

Frequency and reliability of diagnostic cytology of the female genital tract. Wied GL, et al. **Acta Cytol (Baltimore)** 1981 Sep-Oct;25(5):543-9

Uterine myoma in a 15-year-old girl. Augensen K. **Acta Obstet Gynecol Scand** 1981;60(6):591

Giant fibroid uterus complicating pregnancy. Benjamin G, et al. **Acta Obstet Gynecol Scand** 1981;60(4):437-8

False positive ultrasonography diagnosis of molar pregnancy. Levin S, et al. **Acta Obstet Gynecol Scand** 1981;60(4):435-6

Postmenopausal uterine fluid collection: indicator of carcinoma. Breckenridge JW, et al. **AJR** 1982 Sep; 139(3):529-34

Adenomatoid tumors of the uterus. Quigley JC, et al. **Am J Clin Pathol** 1981 Nov;76(5):627-35

Infarction of an accessory spleen presenting as a uterine fibroid with necrosis. Boerlum KG. **Am J Obstet Gynecol** 1982 Aug 15;143(8):974

Concentrations of SP1 and beta-hCG in serum and cerebrospinal fluid and concentrations of hCG in urine in patients with trophoblastic tumour. Soma H, et al. **Arch Gynecol** 1981;230(4):321-7

Screening of asymptomatic postmenopausal women for gynecological malignancies, with special reference to endometrial sampling methods. Vuopala S, et al. **Arch Gynecol** 1982;231(2):119-27

Unmasking moles. Bagshawe KD, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):255-7

Screening for endometrial cancer [letter] Fribourg S. **CA** 1982 May-Jun;32(3):188-90

Gestational trophoblastic neoplasia. Hammond CB, et al. **CA** 1981 Nov-Dec;31(6):322-32

Screening of asymptomatic women for endometrial cancer. Koss LG, et al. **CA** 1981 Sep-Oct;31(5):300-17

Screening for endometrial cancer [letter] Sparkman S. **CA** 1982 May-Jun;32(3):188-9

Leiomyosarcoma in the mesentery presenting as a uterine fibroid. Thorner P, et al. **Can J Surg** 1981 Nov;24(6):640-2

Simultaneous presentation of carcinoma involving the ovary and the uterine corpus. Eifel P, et al. **Cancer** 1982 Jul 1; 50(1):163-70

Trophoblastic tumors--prognostic factors. Jones WB. **Cancer** 1981 Jul 15;48(2 Suppl):602-7 (60 ref.)

Urokinase-like plasminogen activator as a marker of endometrial neoplasia. Niklasson O, et al. **Cancer** 1981 Sep 15;48(6):1484-6

Endosalpingiosis. Holmes MD, et al. **Cleve Clin Q** 1981 Fall; 48(3):345-52

GnRH--test in menopause. Its possible use in identifying the subjects at risk for dysplastic endometrial pathology. Marchesoni D, et al. **Clin Exp Obstet Gynecol** 1981; 8(3):114-8

Endometrial carcinoma and its precursors: detection and screening. Koss LG, et al. **Clin Obstet Gynecol** 1982 Mar; 25(1):49-61

Maternal serum alpha-fetoprotein in the diagnosis of hydatidiform mole. A report of two cases with elevated levels of maternal serum AFP. Toftager-Larsen K, et al. **Dan Med Bull** 1981 Aug;28(3):123-4

Endocrinologic monitoring of the female genital apparatus tumors. Benedetti-Panici P, et al. **Eur J Gynaec Oncol** 1980 May;1(2):86-93

Oncological indications of hysteroscopy. Dexeus S, et al. **Eur J Gynaec Oncol** 1981;2(2):39-42

Contact hysteroscopy in the diagnosis of endometrial carcinoma. Valente S, et al. **Eur J Gynaec Oncol** 1981 Jan; 2(1):22-3

Combating postmenopausal gynecologic malignancy. Rosenshein NB, et al. **Geriatrics** 1982 May;37(5):107-10, 115-6

Quantitative, microscopical, computer-aided diagnosis of endometrial hyperplasia or carcinoma in individual patients. Baak JP, et al. **Histopathology** 1981 Nov;5(6):689-95

The value of 'routine tests' in the staging evaluation of gynecologic malignancies: a cost effectiveness analysis. Abayomi O, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb; 8(2):241-4

An unusual case of choriocarcinoma. Bhattacharya A, et al. **J Indian Med Assoc** 1981 Jun 1;76(11):214-5, 217

Endometriosis in adolescents. Chatman DL, et al. **J Reprod Med** 1982 Mar;27(3):156-60

Laparoscopy in the diagnosis and management of endometriosis. Cohen MR. **J Reprod Med** 1982 May; 27(5):240-2

From the NIH: Improved method for diagnosing and monitoring women with gestational trophoblastic neoplasms. **JAMA** 1981 Dec 11;246(23):2688

Diagnosis of molar pregnancy using ultrasonography: report of two cases. Wittich AC. **JAOA** 1982 Jun;81(10):684-7

Further observations on the sonographic spectrum of gestational trophoblastic disease. Munyer TP, et al. **JCU** 1981 Sep;9(7):349-58

Malignant ovarian tumors simulating hydatidiform mole on ultrasound. Nelson LH, et al. **JCU** 1982 May-Jun; 10(5):249-51

Molar pregnancy: early diagnosis by ultrasound. Wittmann BK, et al. **JCU** 1981 Apr;9(4):153-6

Endometrial cancer and detection bias [letter] Hulka BS, et al. **Lancet** 1981 Oct 10;2(8250):817

Inadvertent posterior lower segment caesarean section in a sacculated uterus. Hsiang CK, et al. **Med J Malaysia** 1981 Dec;36(4):250-3

Partial moles: a clinicopathologic study of 25 cases. Czernobilsky B, et al. **Obstet Gynecol** 1982 Jan;59(1):75-7

Adenomatoid tumor of the uterus simulating interstitial pregnancy. Grunebaum AN, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):87S-8S

Primary ovarian hydatidiform mole: addition of a sixth case to the literature. Jock DE, et al. **Obstet Gynecol** 1981 Nov; 58(5):657–60

Hydatidiform mole and gestational trophoblastic disease in Southern Connecticut. Kohorn EI. **Obstet Gynecol** 1982 Jan;59(1):78–84

Paraaortic lymph node evaluation in stage I endometrial carcinoma. Piver MS, et al. **Obstet Gynecol** 1982 Jan; 59(1):97–100

The clinicopathologic profile of the partial hydatidiform mole. Szulman AE, et al. **Obstet Gynecol** 1982 May; 59(5):597–602

Splenosis mimicking endometriosis. Watson WJ, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):51S–3S

Sarcomas and related neoplasms of the uterine corpus––a brief review of their natural history, prognostic factors, and management. Bard DS, et al. **Obstet Gynecol Annu** 1981;10:237–65 (83 ref.)

Pregnancy-specific beta 1-glycoprotein in complicated early pregnancy and trophoblastic disease. Seppälä M, et al. **Ric Clin Lab** 1982 Jan–Mar;12(1):251–4 (5 ref.)

Atypical ultrasound findings in gestational trophoblastic disease. Weinstein L, et al. **South Med J** 1981 Dec; 74(12):1537–8

Malignant mixed Müllerian tumors of the uterus. A clinical and pathologic study of 34 cases. Martinelli G, et al. **Tumori** 1981 Oct 31;67(5):455–60

[Relationship of ultrasound and computer tomography in the diagnostic algorithm of uterine and ovarian tumours (author's transl)] Jirouš J, et al. **Cesk Gynekol** 1982 Jun; 47(5):350–7 (Eng. Abstr.) **(Cze)**

[Colposcopy – its development and contributions during the past 20 years] Lanč V. **Cesk Gynekol** 1982 May; 47(4):287–94 **(Cze)**

[Epithelial leiomyomata – leiomyoblastomata. A review and report of 14 cases] Svanholm H, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):697–700 (Eng. Abstr.) **(Dan)**

[Follow-up of hydatiform mole] Carlier–Conrads L, et al. **J Belge Radiol** 1981;64(5):421–3 **(Fre)**

[Echography in tumor pathology of uterus (author's transl)] Bruneton JN, et al. **J Radiol** 1982 Feb;63(2):101–5 (Eng. Abstr.) **(Fre)**

[Adenocarcinoma of the endometrium while undergoing contraceptive treatment with medroxyprogesterone] Stamm H, et al. **Rev Med Suisse Romande** 1981 Nov; 101(11):913–7 **(Fre)**

[Uterine sarcomas] Ben Jilani S, et al. **Tunis Med** 1981 Jul–Aug;59(4):297–9 (Eng. Abstr.) **(Fre)**

[Results of the cytological examinations of cells from the uterine cavity (author's transl)] Clocuh YP, et al. **Geburtshilfe Fraunheilkd** 1982 Jan;42(1):39–42 (Eng. Abstr.) **(Ger)**

[Sonographic diagnosis of a placental tumour with high-grade intrauterine foetal development deficiency, increasing anhydramnia and subsequent foetal death (author's transl)] Engel K, et al. **Geburtshilfe Fraunheilkd** 1981 Aug;41(8):570–3 (Eng. Abstr.) **(Ger)**

[Problems on early detection of the endometrial adenocarcinoma with a critical examination of jet-wash and curity-technique (author's transl)] Landowski J, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):387–90 (Eng. Abstr.) **(Ger)**

[Clinical presentation, therapy and prognosis of the sarcoma of the uterus (author's transl)] Atzinger A, et al. **Strahlentherapie** 1982 Apr;158(4):210–6 (Eng. Abstr.) **(Ger)**

[Effectiveness of programme for early detection of recurrence of endometrial carcinoma (author's transl)] Prager W, et al. **Zentralbl Gynakol** 1982;104(8):482–8 (18 ref.) (Eng. Abstr.) **(Ger)**

[Sonographic image of partial molar pregnancy] Jakobovits A, et al. **Orv Hetil** 1981 Oct 18;122(42):2607–8 **(Hun)**

[2 cases of trophoblastic degeneration in twin pregnancy] Dolfin G, et al. **Minerva Ginecol** 1982 Jan–Feb; 34(1–2):63–70 **(Ita)**

[So-called 'stromal endometriosis'. A definite entity or a variation of hyperplasia with sarcoma of the cytogenic stroma of the human endometrium?] Giardinelli M, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):13–24 **(Ita)**

[Comparison of dubious and positive cervical cytological examinations for neoplasms and correlated histological examinations made 1970–1980 at the Savona Hospital] Ballerini D, et al. **Pathologica** 1981 Sep–Oct; 73(1027):793–803 (Eng. Abstr.) **(Ita)**

[Case contribution to our knowledge of syncytial endomyometritis] Farci G, et al. **Pathologica** 1980 Nov–Dec;72(1022):813–20 (Eng. Abstr.) **(Ita)**

[The study for the standard of the remission of the patients with trophoblastic disease (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Apr; 34(4):511–20 (Eng. Abstr.) **(Jpn)**

[Study on echo pattern of endometrial cancer (author's transl)] Obata A. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec;33(12):2033–40 (Eng. Abstr.) **(Jpn)**

[Detection of hydatiform mole by ultrasound (author's transl)] Kalamaras E, et al. **God Zb Med Fak Skopje** 1979 Jan;25:319–23 (Eng. Abstr.) **(Mac)**

[Hysteroscopy in the diagnosis of uterine corpus cancer] Stelmachów J. **Ginekol Pol** 1981 Jul;52(7):641–5 (Eng. Abstr.) **(Pol)**

[Evaluation of the effectiveness of ultrasonography in the diagnosis of genital neoplasms] Lukawska K, et al. **Nowotwory** 1981;31(2):121–9 (Eng. Abstr.) **(Pol)**

[Uterine lipoma] Radecki W. **Wiad Lek** 1981 Aug 1; 34(15):1305–8 **(Pol)**

[Clinical and treatment characteristics of endometriosis in young patients] Baskakov VP, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):23–6 (Eng. Abstr.) **(Rus)**

[Complex diagnosis of endometrial pathology] Beglarian GA. **Akush Ginekol (Mosk)** 1981 Sep;(9):47–50 **(Rus)**

[Pregnancy and labor in uterine myoma] Kretova NE, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):41–4 (Eng. Abstr.) **(Rus)**

[Endometriosis and cancer] Baskakov VP, et al. **Vopr Onkol** 1982;28(3):45–51 (Eng. Abstr.) **(Rus)**

[Diagnostic value of determining chorionic gonadotropin and trophoblastic beta 1-glycoprotein in trophoblastic disease] Grinevich IuA, et al. **Vopr Onkol** 1981;27(12):19–23 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of trophoblastic uterine tumors] Kozachenko VP, et al. **Vopr Onkol** 1982;28(5):97–103 (Eng. Abstr.) **(Rus)**

[Foremost tasks in the problem of trophoblastic disease] Nechaeva ID. **Vopr Onkol** 1982;28(3):42–5 (Eng. Abstr.) **(Rus)**

[Thermostable placental-type alkaline phosphatase in the malignantly degenerated endometrium] Volodin MA, et al. **Vopr Onkol** 1982;28(6):29–35 (Eng. Abstr.) **(Rus)**

[Echosonographic diagnosis of tumors in gynecology] Shor Pinsker V, et al. **Ginecol Obstet Mex** 1981 Feb; 49(292):123–38 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Endometrial carcinoma insensitive to progestin and cytotoxic chemotherapy may respond to tamoxifen. Kauppila A, et al. **Acta Obstet Gynecol Scand** 1981;60(6):589–90

Hormonal and cytotoxic chemotherapy for endometrial carcinoma. Steroid receptors in the selection of appropriate therapy. Kauppila A, et al. **Acta Obstet Gynecol Scand [Suppl]** 1981;101:59–64

Evaluation of in vivo and in vitro responses of endometrial adenocarcinoma to progestins. Holinka CF, et al. **Adv Exp Med Biol** 1981;138:365–76

Dystrophic effects induced by amantadine on uterine fibroleiomyomas [letter] Luisi M, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):975

Treatment of nonmetastatic gestational trophoblastic disease: results of methotrexate alone versus methotrexate––folinic acid. Smith EB, et al. **Am J Obstet Gynecol** 1982 Sep 1; 144(1):88–92

Tamoxifen and aminoglutethimide in the management of patients with advanced endometrial carcinoma not responsive to medroxyprogesterone. Quinn MA, et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):226–9

The management of choriocarcinoma causing severe thyrotoxicosis. Two case reports. Soutter WP, et al. **Br J Obstet Gynaecol** 1981 Sep;88(9):938–43

Combination chemotherapy for advanced endometrial cancer. An evaluation of three regimens. Horton J, et al. **Cancer** 1982 Jun 15;49(12):2441–5

Ocular irritation from low-dose methotrexate [letter] Hussain MI. **Cancer** 1982 Aug 1;50(3):605

Chemotherapy in the management of advanced or recurrent cervical and endometrial carcinoma. Thigpen T, et al. **Cancer** 1981 Jul 15;48(2 Suppl):658–65 (48 ref.)

The role of VP16-213 (etoposide; NSC-141540) in gestational choriocarcinoma. Newlands ES, et al. **Cancer Chemother Pharmacol** 1982;7(2–3):211–4

Phase II trial of etoposide in the management of advanced or recurrent endometrial carcinoma: a Gynecologic Oncology Group Study. Slayton RE, et al. **Cancer Treat Rep** 1982 Aug;66(8):1669–71

Chemotherapeutic treatment of endometrial carcinoma. Deppe G. **Clin Obstet Gynecol** 1982 Mar;25(1):93–9 (40 ref.)

Tamoxifen in the therapy of post-menopausal endometrial cancer: variations in some hormonal parameters. Marchesoni D, et al. **Eur J Gynaec Oncol** 1980 May; 1(2):116–21

Conservative treatment of uterine leiomyoma with the antiestrogen antiprogesterone R-2323. Coutinho EM. **Int J Gynaecol Obstet** 1981 Oct;19(5):357–60

Urinary magnesium leak complicating treatment of choriocarcinoma. Moloney A, et al. **Nephron** 1982; 30(1):51–55

Cisplatin chemotherapy for disseminated endometrial cancer. Seski JC, et al. **Obstet Gynecol** 1982 Feb;59(2):225–8

Chemotherapy with the modified Bagshawe protocol for poor prognosis metastatic trophoblastic disease. Weed JC Jr, et al. **Obstet Gynecol** 1982 Mar;59(3):377–80

Effect of cytostatics on prostaglandin F2 alpha prostacyclin, and thromboxane in patients with gynecologic malignancies. Ylikorkala O, et al. **Obstet Gynecol** 1981 Oct; 58(4):483–6

[Clinical observation on 90 cases of malignant trophoblastic neoplasms treated with gengxinmycin (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan;17(1):57–9 **(Chi)**

[Results of the treatment of trophoblast tumours (author's transl)] Tscherne G. **Geburtshilfe Fraunheilkd** 1982 May; 42(5):371–5 (Eng. Abstr.) **(Ger)**

[Adjuvant gestagen therapy of endometrial carcinoma (author's transl)] Bochmann JW. **Zentralbl Gynakol** 1981; 103(21):1289–93 (Eng. Abstr.) **(Ger)**

[Results obtained from gestagen treatment of patients for endometrial carcinoma, with particular reference to results obtained from in vitro tests before treatment (author's transl)] Schindler C, et al. **Zentralbl Gynakol** 1981; 103(12):703–7 (Eng. Abstr.) **(Ger)**

[Alkylating monochemotherapy in the treatment of carcinomas of the uterine cervix and endometrium in advanced phases] Alberini L, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):99–104 **(Ita)**

[Therapy of adenocarcinoma of the endometrium with synthetic progestogens] Lanza A, et al. **Minerva Ginecol** 1981 Oct;33(10):977–36 (111 ref.) (Eng. Abstr.) **(Ita)**

[Action of MAP in adenocarcinoma of the endometrium. Clinical results and ultrastructural and histochemical study] Pullè C, et al. **Minerva Ginecol** 1981 Oct;33(10):937–54 (58 ref.) (Eng. Abstr.) **(Ita)**

[Therapy of villous diseases, particularly that of hydatidiform, and study on their prognoses (author's transl)] Kawata F. **Igaku Kenkyu** 1980 May;50(4):347–60 (Eng. Abstr.) **(Jpn)**

[Study for the experimental chemotherapy and clinical application (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):173–9 (Eng. Abstr.) **(Jpn)**

[Experimental chemotherapy with drug-resistant choriocarcinoma transplanted to nude mice (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2055–64 (Eng. Abstr.) **(Jpn)**

[Effect of progestins on the ultrastructure of endometrial cells in pretumorous changes and cancer (an organ-culture study)] Beliaeva LA, et al. **Arkh Patol** 1982;44(4):18–25 (Eng. Abstr.) **(Rus)**

[Effect of antineoplastic agents on strains of human breast carcinoma and chorioepithelioma transplanted into nude mice] Revazova ES. **Vestn Akad Med Nauk SSSR** 1981; (9):79–83 (Eng. Abstr.) **(Rus)**

[Is a cure possible for primary state-I endometrial cancer using drug therapy?] Bokhman IaV, et al. **Vopr Onkol** 1982; 28(3):34–42 (Eng. Abstr.) **(Rus)**

[Comparison of the results of gestagen therapy of cancer of the corpus uteri with a preliminary study of tumor cell culture sensitivity to the preparations] Schindler C, et al. **Vopr Onkol** 1982;28(3):52–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The effect of bromodeoxyuridine and dibutyryl cyclic AMP on the induction of placental alkaline phosphate in human choriocarcinoma cells. Hamilton TA, et al. **Biochem J** 1981 Jul 15;198(1):29–35

Failure of progestins to induce estradiol dehydrogenase activity in endometrial carcinoma, in vitro. Satyaswaroop PG, et al. **Cancer Res** 1982 Apr;42(4):1322–5

Heat-stable alkaline phosphatase in uterine cancer, with special reference to its histochemical heat-stability and the L-phenylalanine inhibition test. Nozawa S, et al. **Histochem J** 1981 Nov;13(6):941–51

Hormone-related enzymatic activities in normal and cancer cells of human endometrium. Holinka CF, et al. **J Steroid Biochem** 1981 Dec;15:183–92 (83 ref.)

[Multivariate discrimination analysis of enzyme patterns in tumor patients] Klöppel R, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):127–33 (Eng. Abstr.) **(Ger)**

[Histochemical studies on alkaline phosphatase in normal endometrium and endometrial carcinoma––with a special reference to heat stability and L-phenylalanine inhibition tests (author's transl)] Hayashi S. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1035–44 (Eng. Abstr.) **(Jpn)**

[Changes of plasma ribonuclease activities according to the method of treatment in gynecologic cancer patients (author's transl)] Sugawara S. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1749–56 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

A case-control study of cancer of the endometrium. Kelsey JL, et al. **Am J Epidemiol** 1982 Aug;116(2):333–42

Histogenesis of endometriosis. Ueki M, et al. **Bull Osaka Med Sch** 1981 Jul;27(1):22–45

Induction of uterine cancer with inactivated herpes simplex virus, types 1 and 2. Wentz WB, et al. **Cancer** 1981 Oct 15;48(8):1783–90

Definition of endometrial carcinoma precursors. Scully RE. **Clin Obstet Gynecol** 1982 Mar;25(1):39–48

Uterine leiomyomas, serum cholesterol, and oral contraceptives. A preliminary study of epidemiologic differences in Los Angeles, California and Albany, New York. Ratech H, et al. **Diagn Gynecol Obstet** 1982 Spring; 4(1):21–4

Histogenesis of yolk sac carcinoma induced by fetectomy in the rat. Teshima S, et al. **Gan** 1981 Aug;72(4):524–30

Association of endometrial tumors with reproductive tract abnormalities in the aged rat. Tang FY, et al. **Gynecol Oncol** 1981 Aug;12(1):51–63

Oestrogens and obesity as risk factors for endometrial cancer in Italy. La Vecchia C, et al. **Int J Epidemiol** 1982 Jun; 11(2):120–6

Estrogens and endometrial carcinoma. Diddle AW, et al. **J Tenn Med Assoc** 1981 Mar;74(3):169–73

The etiology of endometriosis. Malick JE. **JAOA** 1982;81(6 Suppl):407–12

Stein–Leventhal syndrome complicated by endometrial carcinoma: a case report. McGoldrick IA. **Papua New Guinea Med J** 1981 Sep;24(3):195–7

Pathogenesis of gestational trophoblastic neoplasms. Berkowitz RS, et al. **Pathobiol Annu** 1981;11:391–411 (50 ref.)

[Endometrial carcinoma in the young woman. Its relations with ovarian lesions] Bedivan M. **Morphol Embryol (Bucur)** 1981 Oct–Dec;27(4):353–7 **(Fre)**

[On the follow up period of postmolar patient (author's transl)] Hando T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):287–91 (Eng. Abstr.) **(Jpn)**

[Pathogenetic study of complete and partial hydatidiform mole by HLA (author's transl)] Honda J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):83–8 (Eng. Abstr.) **(Jpn)**

[Experimental studies on spontaneous occurrence of uterine adenocarcinoma (author's transl)] Morikawa S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):335–40 (Eng. Abstr.) **(Jpn)**

[Polycystic ovary syndrome and precancerous conditions of the endometrium] Serov VN, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):24–7 (Eng. Abstr.) **(Rus)**

[Role of steroid hormones in the pathogenesis of cancer of the corpus uteri] Shurygina EA, et al. **Vopr Onkol** 1982; 28(7):22–8 **(Rus)**

FAMILIAL & GENETIC

Dispermic origin and clinical outcome of three complete hydatidiform moles with 46,XY karyotype. Surti U, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):84–7

Endometrial carcinoma in young women. Ostor AG, et al. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):38–42

Twin pregnancy with complete hydatidiform mole (46,XX) and fetus (46,XY): genetic origin proved by analysis of chromosome polymorphisms. Fisher RA, et al. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1218–20

[Abortions and hydatidiform mole: the genetic link [editorial] Toaff R. **Harefuah** 1981 Sep;101(5–6):120–2 **(Heb)**

[Cytogenetic studies of hydatidiform mole] **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):265–9 **(Jpn)**

[Genetic studies of hydatidiform mole with 46,XY karyotype (author's transl)] Ohama K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1664–8 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Deficient cellular immunity in endometriosis. Dmowski WP, et al. **Am J Obstet Gynecol** 1981 Oct 15;141(4):377–83

Immunology of spontaneous abortion and hydatidiform mole. Takeuchi S. **Am J Reprod Immunol** 1980;1(1):23–8

Endocervical and endometrial adenocarcinoma: an immunoperoxidase and histochemical study. Cohen C, et al. **Am J Surg Pathol** 1982 Mar;6(2):151–7

Circulating immune complexes as markers of response to chemotherapy in malignant teratomas and gestational trophoblastic tumours. Begent RH, et al. **Br J Cancer** 1982 Feb;45(2):217–22

A human choriocarcinoma xenograft in nude mice; a model for the study of antibody localization. Searle F, et al. **Br J Cancer** 1981 Aug;44(2):137–44

HLA antigens in husband–wife pairs with trophoblastic tumor. Yamashita K, et al. **Gynecol Oncol** 1981 Aug; 12(1):68–74

Anti–HLA antibodies detected in the serum of patients with gestational trophoblastic tumors (choriocarcinomas and invasive moles). Yamashita K, et al. **Gynecol Oncol** 1981 Dec;12(3):296–301

Long–term changes in natural killer activity after external pelvic radiotherapy. Onsrud M, et al. **Int J Radiat Oncol Biol Phys** 1981 May;7(5):609–14

Circulating immune complex levels in patients with gestational trophoblastic neoplasia. Rayner AA, et al. **JNCI** 1982 Jul;69(1):23–6

An immune dependency of trophoblastic growth implied by the antithetic difference in immunology between spontaneous abortion and hydatidiform mole. Takeuchi S. **Prog Clin Biol Res** 1981;70:245–57 (44 ref.)

[Evaluation of rosette E in patients with endometrial carcinoma (longitudinal study of 43 cases)] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1982 Mar–Apr; 103(2):148–52 (Eng. Abstr.) **(Ita)**

[Immunologic disorders in trophoblastic disease] Grinevich IuA, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):17–9 (Eng. Abstr.) **(Rus)**

[Immunity in patients with hydatidiform mole] Veskova TK, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):14–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Postmenopausal vaginal cytohormonal pattern in 597 healthy women and 301 patients with genital cancer. Efstratiades M, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):126–30

Cholesterol metabolism in cancer cells in monolayer culture. VI. Metabolism of high–density lipoprotein. Gal D, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):726–33

Enhancement of human chorionic gonadotrophin production by antimetabolites. Browne P, et al. **Br J Cancer** 1982 Jul; 46(1):22–9

Elevated intravesicular fluid luteinizing hormone concentration in hydatidiform mole. Gunasegaram R, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):160–2

Steroidogenesis in vitro by human ovarian follicles during the process of atresia. Mori T, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):391–400

Increased androgenic activity in well–differentiated endometrial adenocarcinoma. Grattarola R. **Gynecol Oncol** 1982 Aug;14(1):40–8

Capacity for amine–precursor uptake and decarboxylation of argyrophil cell adenocarcinoma of the endometrium. Inoue M, et al. **Gynecol Oncol** 1982 Feb;13(1):19–25

An in vitro incubation study of amine–precursor uptake and decarboxylation in the cytoplasm of argyrophil cell adenocarcinoma of the endometrium. Inoue M, et al. **Gynecol Oncol** 1982 Aug;14(1):75–9

Luteinizing hormone–releasing factor increases release of human chorionic gonadotrophin in isolated cell columns of normal and malignant trophoblasts. Bützow R. **Int J Cancer** 1982 Jan 15;29(1):9–11

Sodium butyrate stimulates hCG and hCG–alpha production in a human choriocarcinoma cell line (BeWo). Kinoshita F, et al. **J Cancer Res Clin Oncol** 1981;100(3):321–4

Effects of retinoic acid on differentiation of choriocarcinoma cells in vitro. Chou JY. **J Clin Endocrinol Metab** 1982 Jun; 54(6):1174–80

Oestrogen production in adipose tissue from normal women and women with endometrial cancer in vitro. Folkerd EJ, et al. **J Steroid Biochem** 1982 Feb;16(2):297–302

Variability of levels of specific estrogen binding in a human endometrial adenocarcinoma cell line. Fridman O, et al. **J Steroid Biochem** 1982 May;16(5):607–12

Studies of oestrogen metabolism in postmenopausal women with cancer. James VH, et al. **J Steroid Biochem** 1981 Dec; 15:235–45

In vivo availability of circulating estradiol in postmenopausal women with and without endometrial cancer. Gambone JC, et al. **Obstet Gynecol** 1982 Apr;59(4):416–21

Restoration of the ovarian response to gonadotropins in patients after molar abortion. Miyake A, et al. **Obstet Gynecol** 1981 Nov;58(5):566–8

[Studies on influence of synthetic LH–RH and dbcAMP on normal chorionic villi and BeWo cells (author's transl)] Nakano T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2105–14 (Eng. Abstr.) **(Jpn)**

MORTALITY

Survival among women with endometrial cancer: a comparison of estrogen users and nonusers. Chu J, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):569–73

The effect of hysterectomies and screening on mortality from cancer of the uterus in Canada. Miller AB, et al. **Int J Cancer** 1981 May 15;27(5):651–7

Carcinoma of the endometrium. III. Analysis of 865 cases of adenocarcinoma and adenoacanthoma. Connelly PJ, et al. **Obstet Gynecol** 1982 May;59(5):569–75

[The risk for women of various ages to die at some time of uterine or ovarian cancer] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1316–9 **(Dut)**

[Causes of death in uterine cancer patients dying during hospitalization at the Institute of Oncology in Warsaw] Bobek–Pstrucha E, et al. **Nowotwory** 1981 Jul–Dec; 31(3–4):243–50 (Eng. Abstr.) **(Pol)**

[Descriptive, epidemiologic study of female genital cancer] Francia Viña JM, et al. **Rev Sanid Hig Publica (Madr)** 1979 May–Jun;53(5–6):629–69 (Eng. Abstr.) **(Spa)**

[Descriptive epidemiology of the mortality from female genital cancer in Spain in relation to other European countries] Mata de la Torre JM, et al. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug;53(7–8):943–84 (Eng. Abstr.) **(Spa)**

NURSING

The clinical nurse specialist's role in the management of gestational trophoblastic neoplasms. Marean AR. **Major Probl Obstet Gynecol** 1982;14:229–41

OCCURRENCE

Hydatidiform mole in the United States (1970–1977): a statistical and theoretical analysis. Hayashi K, et al. **Am J Epidemiol** 1982 Jan;115(1):67–77

Trends in the incidence of cancer of the corpus uteri in Connecticut, 1964–1979, in relation to consumption of exogenous estrogens. Marrett LD, et al. **Am J Epidemiol** 1982 Jul;116(1):57–67

The decreasing incidence of endometrial cancer: public health implications. Austin DF, et al. **Am J Public Health** 1982 Jan;72(1):65–8

Complete and partial hydatidiform mole in Hawaii: cytogenetics, morphology and epidemiology. Jacobs PA, et al. **Br J Obstet Gynaecol** 1982 Apr;89(4):258–66

Endometrial monitoring of high–risk women. Foley DV, et al. **Cancer** 1981 Jul 15;48(2 Suppl):511–4

Epidemiology of cancer of the endometrium. Mahboubi E, et al. **Clin Obstet Gynecol** 1982 Mar;25(1):5–17 (50 ref.)

Adenomyosis: study in a Jewish female population. Blum M. **Int Surg** 1981 Oct–Dec;66(4):341–3

An analysis of detection bias and proposed corrections in the study of estrogens and endometrial cancer. Greenland S, et al. **J Chronic Dis** 1981;34(9–10):433–8

Protection against endometrial carcinoma by combination–product oral contraceptives [letter] Evrard JR. **JAMA** 1982 Aug 13;248(6):647–8

Detection bias in endometrial cancer [letter] Horwitz RI, et al. **Lancet** 1982 Jan 16;1(8264):164

Detection bias and endometrial cancer [letter] Merletti F, et al. **Lancet** 1981 Sep 12;2(8246):579–80

[Vesicular mole. Epidemiological considerations] Villani C, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):593–8 (Eng. Abstr.) **(Ita)**

[Observation on some clinical aspects of trophoblastic diseases (author's transl)] Kawashima Y, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1423–37 (Eng. Abstr.) **(Jpn)**

[Incidence of hydatidiform mole and aging of mothers (author's transl)] Honda J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):915–9 (Eng. Abstr.) **(Jpn)**

[Ovarian and uterine tumors in rats after external exposure to different types of radiation] Ird EA, et al. **Vopr Onkol** 1982;28(4):48–53 **(Rus)**

[The occurrence of uterine sarcoma in Virovitica in a 10–year period (author's transl)] Pupek M. **Jugosl Ginekol Opstet** 1981 May–Aug;21(3–4):79–80 (Eng. Abstr.) **(Scr)**

[Adenomyosis: epidemiologic aspects] Soucci Larenas F, et al. **Ginecol Obstet Mex** 1981 Jan;48(291):47–53 (Eng. Abstr.) **(Spa)**

[Epidemiologic aspects of endometrial carcinoma] Miranda C, et al. **Rev Chil Obstet Ginecol** 1979;44(6):312–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Uterine Müllerian adenosarcoma with psammoma bodies: cytologic, histologic and ultrastructural studies of a case. Hidvegi DF, et al. **Acta Cytol (Baltimore)** 1982 May–Jun; 26(3):323–6

An analytic cellular evaluation of aspirated smears from transplanted human endometrial adenocarcinoma in nude mice treated with 17 beta–estradiol and progesterone. Ishiwata I, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr; 26(2):251–8

Prognostic value of cytologic examination of peritoneal washings in patients with endometrial carcinoma. Szpak CA, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec; 25(6):640–6

Endometrial stromal sarcoma: cytology of pulmonary metastasis including ultrastructural study. Zaharopoulos P, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):49–54

Residual carcinoma after intracavitary irradiation of endometrial carcinoma, stage I. A study of whole–organ sections. Gröntoft O, et al. **Acta Obstet Gynecol Scand** 1982; 61(2):163–72

Uterine bizarre leiomyoma. Klünder KB, et al. **Acta Obstet Gynecol Scand** 1982;61(2):121–3

Carcinoma of the endometrium. IV. Mixed adenosquamous carcinoma. A clinical–pathological study of 68 cases with long–term follow–up. Alberhasky RC, et al. **Am J Clin Pathol** 1982 Jun;77(6):655–64

Carcinoma of the endometrium. II. Papillary adenocarcinoma: a clinical pathological study, 46 cases. Christopherson WM, et al. **Am J Clin Pathol** 1982 May; 77(5):534–40

Concurrence of malignant and benign heterologous mixed tumors of the uterus. Waxman M, et al. **Am J Clin Pathol** 1982 May;77(5):631–7

Endometrial cancer: evaluation of spread and follow–up one hundred eighty–nine patients with Stage I or Stage II disease. Burrell MO, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):181–5

Prognostic significance of peritoneal cytology in patients with endometrial cancer and preliminary data concerning therapy with intraperitoneal radiopharmaceuticals. Creasman WT, et al. **Am J Obstet Gynecol** 1981 Dec 15; 141(8):921–9

The nature of trophoblastic disease initiated by transplantation into immunosuppressed animals. Kato M, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):497–505

Morphologic correlates of host response in endometrial carcinoma. Deligdisch L. **Am J Reprod Immunol** 1982 Feb; 2(1):54–7

Uterine papillary serous carcinoma: a highly malignant form of endometrial adenocarcinoma. Hendrickson M, et al. **Am J Surg Pathol** 1982 Mar;6(2):93–108

Atypical polypoid adenomyomas of the endometrium. Mazur MT. **Am J Surg Pathol** 1981 Jul;5(5):473–82

Glioma of the uterus. Report of a case with comments on histogenesis. Young RH, et al. **Am J Surg Pathol** 1981 Oct; 5(7):695–9

Syringing as a method of cell dispersal. II. Effect on abnormal cells. Lopez PA, et al. **Anal Quant Cytol** 1981 Sep; 3(3):235–8

Cyclic nucleotides and cellular kinetics in normal and abnormal human trophoblastic tissue. Masuko K, et al. **Arch Gynecol** 1981;230(4):335–44

Tubal (serous) carcinoma of the endometrium. Lauchlan SC. **Arch Pathol Lab Med** 1981 Nov;105(11):615–8

The pattern of hydatidiform moles in Singapore. Lee YS,

et al. **Aust NZ J Obstet Gynaecol** 1981 Nov;21(4):230–3
Endosalpingiosis in pregnancy. Case report. Bryce RL, et al. **Br J Obstet Gynaecol** 1982 Feb;89(2):166–8
Carcinofibroma—a variant of the mixed Mullerian tumour. Case report. Thompson M, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1151–5
Wilms' tumor of the uterus: the first report of the literature. Bittencourt AL, et al. **Cancer** 1981 May 15;47(10):2496–9
Carcinoma of the endometrium: I. A clinicopathologic study of clear-cell carcinoma and secretory carcinoma. Christopherson WM, et al. **Cancer** 1982 Apr 15; 49(8):1511–23
Evaluation of criteria for distinguishing atypical endometrial hyperplasia from well-differentiated carcinoma. Kurman RJ, et al. **Cancer** 1982 Jun 15;49(12):2547–59
Small-cell carcinoma of the endometrium: light microscopic and ultrastructural study of a case. Olson N, et al. **Cancer** 1982 Aug 15;50(4):760–5
Angiosarcomas of the uterus and ovary: clinicopathologic report. Ongkasuwan C, et al. **Cancer** 1982 Apr 1; 49(7):1469–75
Diagnosis and staging of endometrial carcinoma. Anderson B. **Clin Obstet Gynecol** 1982 Mar;25(1):75–80
Toxemic renal disease in incomplete molar pregnancy. Lansing M, et al. **Diagn Gynecol Obstet** 1982 Spring; 4(1):45–51
Incidence of trophoblast's molar degeneration during pregnancy. Borri P, et al. **Eur J Gynaec Oncol** 1980 May; 1(2):84–5
Multiple tumor of the female genital organs. Ferrer M, et al. **Eur J Gynaec Oncol** 1980 May;1(2):72–6
Multiple malignant tumors of the uterus. Resta L, et al. **Eur J Gynaec Oncol** 1981;2(2):76–9
Genesis of molar pregnancy: neoplastic transformation of the inner cell mass with a case presentation. Balasubramaniam UN, et al. **Gynecol Oncol** 1982 Aug;14(1):62–74
Risk factors and prognosis in stage II endometrial cancer. Berman ML, et al. **Gynecol Oncol** 1982 Aug;14(1):49–61
Foam cells in endometrial carcinoma—a clinicopathologic study. Dawagne MP, et al. **Gynecol Oncol** 1982 Feb; 13(1):67–75
A new human cell line derived from a poorly differentiated endometrial adenocarcinoma. Gal D, et al. **Gynecol Oncol** 1982 Feb;13(1):50–7
Recurrence of uterine leiomyosarcoma 25 years after therapy. Gallup DG, et al. **Gynecol Oncol** 1982 Jun;13(3):293–300
Adenocarcinoma of the endometrium: analysis of 256 cases with carcinoma limited to the uterine corpus. Pathology review and analysis of prognostic variables. Hendrickson M, et al. **Gynecol Oncol** 1982 Jun;13(3):373–92
Synchronous multiple primary neoplasms of the upper female genital tract. Matlock DL, et al. **Gynecol Oncol** 1982 Apr; 13(2):271–7
Vaginal recurrence of adenocarcinoma of the endometrium. Phillips GL, et al. **Gynecol Oncol** 1982 Jun;13(3):323–8
Human gynecologic cancers heterotransplanted into athymic nude rats. Sawada M, et al. **Gynecol Oncol** 1982 Apr; 13(2):220–8
Trophoblastic pseudotumor–evidence of malignant disease potential. Twiggs LB, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):238–48
Placental site trophoblastic tumour (trophoblastic pseudotumour): a study of four cases requiring hysterectomy including one fatal case. Eckstein RP, et al. **Histopathology** 1982 Mar;6(2):211–26
Glassy cell carcinoma of the endometrium. Christopherson WM, et al. **Hum Pathol** 1982 May;13(5):418–21
Endometrial carcinoma with argyrophilic cells. Prade M, et al. **Hum Pathol** 1982 Sep;13(9):870–1
Human triploidy: association with partial hydatidiform moles and nonmolar conceptuses. Szulman AE, et al. **Hum Pathol** 1981 Nov;12(11):1016–21
Intestinal obstruction following metastasis from uterine carcinoma. Wig JD, et al. **J Indian Med Assoc** 1981 Dec 1;77(11):179–81
Papillary adenocarcinoma of the endometrium with psammoma bodies. Roberts JA, et al. **J Iowa Med Soc** 1982 May;72(5):196–9
Pathology of trophoblastic disease. Gore H. **Major Probl Obstet Gynecol** 1982;14:11–63
A case of ovarian endometrioid carcinoma and malignant transformation of adenomyosis uteri. Tsukahara Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1767–70
Effects of amine precursor administration on the morphological findings of transplanted argyrophil cell adenocarcinoma of the endometrium. Ueda G, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar; 34(3):388–90
Intravascular leiomyomatosis. Bahary CM, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):73S–7S
Histologic variants of cervical involvement by endometrial carcinoma. Kadar NR, et al. **Obstet Gynecol** 1982 Jan; 59(1):85–92
Verrucous carcinoma of the endometrium—a unique neoplasm with long survival. Ryder DE. **Obstet Gynecol** 1982 Jun;59(6 Suppl):78S–80S
Uterine stromatosis: a report of 33 cases. Thatcher SS, et al. **Obstet Gynecol** 1982 Apr;59(4):428–34
Uterine mesenchymal tumors. Christopherson WM, et al. **Pathol Annu** 1981;16 Pt 1:215–46 (101 ref.)
Trophoblastic disease: a bridge between pregnancy and malignancy. Deligdisch L. **Prog Clin Biol Res** 1981; 70:323–37 (49 ref.)
Radionuclide liver and bone scanning in the evaluation of patients with endometrial carcinoma. Mettler FA Jr, et al. **Radiology** 1981 Dec;141(3):777–80
Ultrasonography in the staging of endometrial adenocarcinoma. Requard CK, et al. **Radiology** 1981 Sep; 140(3):781–5
Left Ureteral obstruction associated with uterine mass [clinical conference] Blight EM Jr, et al. **Urology** 1982 Aug; 20(2):202–5
Müllerian adenosarcoma of the uterus. Hanchard B, et al. **West Indian Med J** 1982 Mar;31(1):41–4
[Case of tumors of the uterine round ligaments] Bobchev T, et al. **Akush Ginekol (Sofiia)** 1981;20(5):412–4 **(Bul)**
[Case of partial hydatid mole] Khadzhiev I. **Akush Ginekol (Sofiia)** 1981;20(4):357–9 **(Bul)**
[Stromal tumors of endometrium—report of 3 cases (author's transl)] Huang ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):237–9 **(Chi)**
[Clinical pathological and roentgenological manifestations of pulmonary metastasis of choriocarcinoma and malignant mole (author's transl)] Song HZ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):65–8 **(Chi)**
[A proposal of clinical staging of choriocarcinoma based on an intensive study of 870 cases (author's transl)] Song HZ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):225–8 **(Chi)**
[Method for study and histological evaluation of the uterus (author's transl)] Pierre C, et al. **Ann Pathol** 1982;2(2):181–4 (Eng. Abstr.) **(Fre)**
[Assessment of prognostic criteria in uterine carcinomas (author's transl)] Baltzer J. **Geburtshilfe Fraunheilkd** 1981 Oct;41(10):663–7 (Eng. Abstr.) **(Ger)**
[Psammoma bodies in cervical smears (author's transl)] Schenck U, et al. **Geburtshilfe Fraunheilkd** 1982 Feb; 42(2):127–9 (Eng. Abstr.) **(Ger)**
[Cytology of the endometrium. Anatomical principles (author's transl)] von Lüdinghausen M, et al. **MMW** 1981 Nov 6;123(45):1699–704 (Eng. Abstr.) **(Ger)**
[Severe leiomyofibromatosis of the lungs (author's transl)] Schata M, et al. **Prax Klin Pneumol** 1982 May;36(5):255–6 (Eng. Abstr.) **(Ger)**
[Adenomyosis, clinical and pathological features] Alroy A, et al. **Harefuah** 1981 Jun 15;100(12):558–60 (Eng. Abstr.) **(Heb)**
[Primary insular carcinoid of the ovary] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):278–85 **(Ita)**
[Precancerous lesions of the endometrium] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1981 Sep–Oct; 102(5):343–61 (Eng. Abstr.) **(Ita)**
[Brenner tumor of the broad ligament] Leoncini L. **Arch De Vecchi Anat Patol** 1980;64(1):97–102 (30 ref.) **(Ita)**
[Endometrial adenocarcinoma with epidermoid carcinoma of the uterine cervix] Bellorini R, et al. **Chir Ital** 1981 Jun; 33(3):746–51 **(Ita)**
[Stromomyosis and its relation to mesenchymal pathology of the uterus: study of 7 cases with follow-up] De Feo G, et al. **Pathologica** 1980 Nov–Dec;72(1022):797–811 (Eng. Abstr.) **(Ita)**
[Hypervascular botryoid leiomyoma] Greco P, et al. **Pathologica** 1981 Sep–Oct;73(1027):817–22 (Eng. Abstr.) **(Ita)**
[Carcinosarcoma of the uterus. Case report] Maccioni A, et al. **Pathologica** 1980 Nov–Dec;72(1022):847–55 **(Ita)**
[Clinical significance of uterine body invasion in uterine cervical cancer (author's transl)] Noguchi H, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1358–64 (Eng. Abstr.) **(Jpn)**
[Endolymphatic stromal myosis with pulmonary metastasis] Tsukada M. **Nippon Rinsho** 1981;39(7):2690–2 **(Jpn)**
[Histopathologic and cytologic studies on uterine sarcomas (author's transl)] Izutsu T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2163–72 (Eng. Abstr.) **(Jpn)**
[Characteristics of human choriocarcinoma transplanted in nude mice (author's transl)] Katoh T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1655–63 (Eng. Abstr.) **(Jpn)**
[Study on so called 'cellular effect' of methotrexate on choriocarcinoma and its mode of manifestation (author's transl)] Kuramoto H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):187–95 (Eng. Abstr.) **(Jpn)**
[Studies on the abnormal proliferation of the uterine endometrium, with reference to the cell surface electric charge density (author's transl)] Uchino S. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1961–70 (Eng. Abstr.) **(Jpn)**
[Studies on temperature sensitivity of human endometrial adenocarcinoma cells in vitro (author's transl)] Udagawa Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1235–44 (Eng. Abstr.) **(Jpn)**
[Histopathological study of 7 autopsy cases of gestational choriocarcinoma experienced in National Hospital of Sendai (author's transl)] Namiki T, et al. **Rinsho Byori** 1981 Apr;29(4):391–8 **(Jpn)**
[Study of the normal myometrium and one with neoplastic changes using nuclear magnetic resonance] Adamski J, et al. **Ginekol Pol** 1981 Jan;52(1):73–7 (Eng. Abstr.) **(Pol)**
[Leiomyoblastoma of the corpus uteri] Wasilewska B, et al. **Patol Pol** 1981 Oct–Dec;32(4):539–44 (Eng. Abstr.) **(Pol)**
[Structural and morphofunctional characteristics of the placenta in patients with uterine myoma] Zheleznov BI, et al. **Akush Ginekol (Mosk)** 1982 Jan;(1):44–7 (Eng. Abstr.) **(Rus)**
[Mitotic regimen in the chorionic elements in pregnancy, hydatidiform mole and chorioepithelioma] Ermolenko LM, et al. **Arkh Patol** 1981;43(5):94 **(Rus)**
[Duration of cell cycle periods an the proliferative pool of human chorionepithelioma, breast, laryngeal and lung cancers transplanted into athymic mice] Revazova ES, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):31–4 (Eng. Abstr.) **(Rus)**
[Development of endometrial carcinoma. Characteristics of the 2d stage] Nicholson R, et al. **Rev Chil Obstet Ginecol** 1980;45(1):45–6 **(Spa)**

PHYSIOPATHOLOGY

Paradoxical hypersecretion of growth hormone in patients with endometrial atypical hyperplasia and carcinoma. Effect of hysterectomy. Ayalon D, et al. **Gynecol Obstet Invest** 1982;13(1):9–16
[Major hemodynamic parameters in patients with uterine myoma and obesity] Askerkhanova ER, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):49–52 (Eng. Abstr.) **(Rus)**
[Physical and sexual development of girls born to women with uterine myoma] Gerasimovich GI, et al. **Akush Ginekol (Mosk)** 1981 Jul;(7):28–9 **(Rus)**
[Pregnancy and labor in patients with uterine myoma] Sidorova IS. **Akush Ginekol (Mosk)** 1981 Sep;(9):57–9 **(Rus)**
[Blood coagulating and fibrinolytic activity of the endometrium in precancer and cancer] Kudriavtseva LI, et al. **Vopr Onkol** 1981;27(10):44–8 (Eng. Abstr.) **(Rus)**
[Hormonal transformation characteristics of endometrial adenoacanthoma in the process of progestin treatment] Shenderëva TS, et al. **Vopr Oukol** 1981;27(10):52–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Benefit of the 'pill' may outweight the risks [news] **Am Fam Physician** 1982 Sep;26(3):258–9
Endometrial hyperplasia and neoplasia. Foreword: prevention and treatment of endometrial cancer. Gusberg SB. **Clin Obstet Gynecol** 1982 Mar;25(1):1–3
Protection against endometrial carcinoma by combination-product oral contraceptives. Hulka BS, et al. **JAMA** 1982 Jan 22–29;247(4):475–7
Endometrial cancer, epidemiology, and medical practice [editorial] Ryan KJ. **JAMA** 1982 Jan 22–29;247(4):496
[Studies on the probable prevention of postmolar choriocarcinoma (author's transl)] Arai S. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jan;34(1):89–95 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Psychological and social impact of gestational trophoblastic neoplasms. Hamilton N. **Major Probl Obstet Gynecol** 1982; 14:242–54

RADIOGRAPHY

CT of intramural endometrial carcinoma: contrast enhancement is essential. Hamlin DJ, et al. **AJR** 1981 Sep; 137(3):551–4
Computed tomography in the evaluation and treatment of endometrial carcinoma. Hasumi K, et al. **Cancer** 1982 Sep 1;50(5):904–8
The role of CT scanning in patients with cancer of the breast, cervix, and endometrium. Mansfield CM, et al. **CT** 1981 Aug;5(3):236–43
Utility of diagnostic imaging in the staging of gestational trophoblastic disease. Williams AG Jr, et al. **Diagn Gynecol Obstet** 1982 Summer;4(2):159–63
Computed tomographic features of uterine myoma. Tada S, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):866–9
Atypical calcification of a uterine leiomyoma. Dan SJ, et al. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):63–5
A new device for selective hysterography and its application to diagnosis of endometrial carcinoma. Kishi Y, et al. **Tokushima J Exp Med** 1981 Dec;28(3–4):85–90
[Amniography in the diagnosis of hydatidiform mole (a report of 7 cases) (author's transl)] Ye L. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):298–9 **(Chi)**
[Preoperative radium insertion in the management of carcinoma of the endometrium (author's transl)] de Waal JC, et al. **Geburtshilfe Fraunheilkd** 1982 May;42(5):394–6 **(Ger)**
[Importance of computed tomography for the diagnosis of tumors of the uterus and recurrent lesions (author's transl)] Steinbrich W, et al. **Radiologe** 1982 Apr;22(4):154–61 **(Ger)**
[CT in the evaluation and treatment of endometrial carcinoma (author's transl)] Hasumi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul;34(7):954–8 (Eng. Abstr.) **(Jpn)**

[Evaluation of contrast enhancement in gynecologic pelvic computed tomography (author's transl)] Miyasaka Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2193–201 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Human chorionic gonadotropin radioantibodies in the radioimmunodetection of cancer and for disclosure of occult metastases. Goldenberg DM, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7754–8

[Studies on the diagnosis of uterine tumor by 201-thallium-chloride (author's transl)] Tobari C, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1721–30 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

High versus low dose-rate intracavitary radiotherapy in the treatment of carcinoma of the uterus. A comparative study of afterloading Co60 (Cathetron) and conventional (radium) treatment. Taina E. **Acta Obstet Gynecol Scand [Suppl]** 1981;103:1–71

Reduced generation of suppressor cells in human mixed lymphocyte culture after radiotherapy. Onsrud M. **Acta Pathol Microbiol Immunol Scand [C]** 1982 Feb; 90(1):39–45

Intracavitary irradiation of endometrial carcinomas of the uterus in stage I using a 'bulb technique': physical basis. Björnsson M, et al. **Br J Radiol** 1982 Jan;55(649):56–9

Treatment of endometrial carcinoma with radiation therapy alone. Abayomi O, et al. **Cancer** 1982 Jun 15;49(12):2466–9

Radioactive colloidal gold in the treatment of endometrial cancer: Mayo Clinic experience, 1952–1976. Fountain KS, et al. **Cancer** 1981 May 15;47(10):2430–2

Radiation treatment of carcinoma of the cervix with extension into the endometrium: a reappraisal of its significance. Prempree T, et al. **Cancer** 1982 May 15; 49(10):2015–20

Whole pelvic irradiation in stage I endometrial carcinoma: changes in numbers and reactivities of some blood lymphocyte subpopulations. Onsrud M. **Gynecol Oncol** 1982 Jun;13(3):283–92

Radiation dose calculations in endometrial cancer treated with Heyman capsules or tandem. Wollin M, et al. **Gynecol Oncol** 1982 Feb;13(1):37–43

The role of adjunctive radiotherapy for stage I endometrial carcinoma: preoperative vs postoperative irradiation. Chung CK, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct; 7(10):1429–35

A new endometrial applicator. Nori D, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):941–5

Value of multi-planar CT images in interactive dosimetry planning of intracavitary therapy. Sewchand W, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):295–301

Late silent complications after treatment of uterine cancer. Suramo I, et al. **Int Surg** 1981 Jul–Sep;66(3):251–3

Adjunctive radiation therapy in the management of stage I cancer of the endometrium. Surwit EA, et al. **Obstet Gynecol** 1981 Nov;58(5):590–5

[Carcinoma of the uterine cervix stage III and IV--treatment, results and complications (author's transl)] Kucera H, et al. **Geburtshilfe Fraunheilkd** 1982 Jun;42(6):457–61 (Eng. Abstr.) **(Ger)**

[Afterloading method for simulating the intrauterine packing method in case of carcinoma of the body of the uterus (author's transl)] Bauer M, et al. **Strahlentherapie** 1981 Dec; 157(12):793–800 (Eng. Abstr.) **(Ger)**

[Five-year recovery of case of carcinomas of the uterus after conventional irradiation and after telecobalt therapy (author's transl)] Will CH, et al. **Strahlentherapie** 1982 Jan; 158(1):4–9 (Eng. Abstr.) **(Ger)**

[Indications for postoperative radiotherapy in cervix and endometrium cancer] Frischkorn R. **Strahleatherapie [Sonderb]** 1981;76:280–3 **(Ger)**

[Megavolt radiotherapy of xenotransplated human ovarian, endometrial and cervix cancers] Kleine W, et al. **Strahlentherapie [Sonderb]** 1981;76:289–95 **(Ger)**

[The role of preoperative radiotherapy in the treatment of collum cancer--computerized analysis of patient data] Naszály A, et al. **Strahlentherapie [Sonderb]** 1981;76:284–8 **(Ger)**

[Remote afterloading procedures] Rotte K. **Strahlentherapie [Sonderb]** 1981;76:313–9 **(Ger)**

[Advantages of the use of computerized tomography in the study of the distribution of the dose in intracavitary curietherapy] Cionini L, et al. **Radiol Med (Torino)** 1982 Apr;68(4):267–74 **(Ita)**

[Radiation therapy of endometrial carcinoma (author's transl)] Saito Y. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Nov 25;41(11):1081–90 (Eng. Abstr.) **(Jpn)**

[Radiation injuries of the bones during treatment of uterine cancer] Bardychev MS, et al. **Med Radiol (Mosk)** 1981 Oct; 26(10):30–4 (Eng. Abstr.) **(Rus)**

[Clinical and Radiological characteristics and planning the radiotherapy of inoperable endometrial cancer] Titova VA, et al. **Med Radiol (Mosk)** 1981 Oct;26(10):13–9 (Eng. Abstr.) **(Rus)**

[Planning of isodoses in radiotherapy of cancer of the uterus with the aid of a computer (author's transl)] Matula P, et al. **Cesk Radiol** 1981;35(6):415–22 (Eng. Abstr.) **(Slo)**

SECONDARY

Adenocarcinoma of the vermiform appendix presenting as a uterine tumor. Alenghat E, et al. **Gynecol Oncol** 1982 Apr;13(2):265–8

Primary carcinoma of the cecum with uterine metastases. Goldstein J, et al. **Hum Pathol** 1981 Dec;12(12):1139–40

SECRETION

Differential modulation of human chorionic gonadotropin secretion by epidermal growth factor in normal and malignant placental cultures. Huot RI, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1059–63

Failure of contraceptive steroids to modify human chorionic gonadotrophin secretion by hydatidiform mole tissue and choriocarcinoma cells in culture. Gal D, et al. **Steroids** 1981 Jun;37(6):663–71

SURGERY

Radical surgery in stage I carcinoma of the corpus uteri. Iversen T, et al. **Br J Obstet Gynaecol** 1981 Nov; 88(11):1135–9

Surgery for endometrial cancer. Lewis GC Jr, et al. **Cancer** 1981 Jul 15;48(2 Suppl):568–74 (65 ref.)

Surgical management of endometrial carcinoma. Morrow CP, et al. **Clin Obstet Gynecol** 1982 Mar;25(1):81–92 (37 ref.)

Incisional recurrence of carcinoma [letter] Jobson VW, et al. **JAMA** 1982 Sep 24;248(12):1451

A trial of prophylactic cefamandole in extended gynecologic surgery. Creasman WT, et al. **Obstet Gynecol** 1982 Mar; 59(3):309–14

Prognostic characteristics of serum human chorionic gonadotropin titer regression following molar pregnancy. Schlaerth JB, et al. **Obstet Gynecol** 1981 Oct;58(4):478–82

Treatment of prolapsed submucous fibroids. Riley P. **S Afr Med J** 1982 Jul 3;62(1):22–4

[The prognostic importance of the stage in patients operated for carcinoma of the endometrium (author's transl)] Baltzer J, et al. **Geburtshilfe Fraunheilkd** 1982 Jun;42(6):453–6 (Eng. Abstr.) **(Ger)**

[The combination of surgery and radiotherapy from the view of the surgeon in ovarian and endometrial cancer] Pfleiderer A. **Strahlentherapie [Sonderb]** 1981;76:259–70 **(Ger)**

[Surgical anastomosis between cervix and corpus uteri (Metro-anastomosis, isthmico cervicalis) (author's transl)] Mischev L, et al. **Zentralbl Gynakol** 1981;103(15):916–8 (Eng. Abstr.) **(Ger)**

[Surgical treatment of endometrial carcinoma. Results in 204 cases] Condemi V, et al. **Acta Biomed Ateneo Parmense** 1981;52(4):123–6 **(Ita)**

[Reconstruction of the cervical canal after removal of a fibromyoma of the cervix with infraligamental development] Adinolfi G, et al. **Arch Ostet Ginecol** 1980 Jul–Aug;85(4):307–17 **(Ita)**

[Atypical adenomatous hyperplasia of the endometrium in a young woman] Aimone V, et al. **Minerva Ginecol** 1981 Jun;33(6):627–9 **(Ita)**

[Use of the transverse incision of the abdominal wall in operations for benign pathology of the uterus] D'Antona N, et al. **Riv Ital Ginecol** 1980;59(4–5):365–75 (Eng. Abstr.) **(Ita)**

[A complication of epidural puncture, myocardial infarction (author's transl)] Miyamoto T, et al. **Masui** 1981 Aug; 30(8):860–4 (Eng. Abstr.) **(Jpn)**

[Effects of surgical treatment and chemotherapy upon choriocarcinoma and its clinical courses (author's transl)] Maruo T, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Aug 20;16(4):704–12 (Eng. Abstr.) **(Jpn)**

[Surgical results in myomas with supracervical hysterectomy and preservation of a portion of the endometrium] Daniłoś J, et al. **Ginekol Pol** 1982 Jan–Feb;53(1–2):55–60 (Eng. Abstr.) **(Pol)**

[Use of P-32 for express intraoperative diagnosis during gynecological operations] Porai-Koshits KV. **Akush Ginekol (Mosk)** 1981 Sep;(9):45–7 **(Rus)**

[Electroacupuncture as the method of preanesthesia management in gynecological surgery] Lapik VI, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):10–3 **(Rus)**

[Primary multiple cancer of the uterus and colon] Musaev TM, et al. **Khirurgiia (Mosk)** 1982 May;5:109–10 **(Rus)**

[Postoperative peridural analgesia with morphine for cancer patients] Krokhalev GA, et al. **Vestn Khir** 1982 Apr; 128(4):121–3 **(Rus)**

THERAPY

Postmenopausal bone mineral loss after treatment for malignant gynaecologic tumours. Lamke B, et al. **Acta Radiol [Oncol]** 1981;20(2):109–11

Results of treatment of endometrial cancer in Tampere University Central Hospital 1962—1971. Selander K, et al. **Ann Chir Gynaecol** 1981;70(6):327–30

Carcinoma of the endometrium. Glassburn JR. **Cancer** 1981 Jul 15;48(2 Suppl):575–81 (60 ref.)

Treatment of hyperplasia and carcinoma in situ of the endometrium. Kistner RW. **Clin Obstet Gynecol** 1982 Mar; 25(1):63–74

Uterine leiomyomata: etiology, symptomatology, and management. Buttram VS Jr, et al. **Fertil Steril** 1981 Oct; 36(4):433–45 (71 ref.)

Successful treatment of placental choriocarcinoma metastatic to brain followed by primary brain glioblastoma. Barnes AE, et al. **Gynecol Oncol** 1982 Feb;13(1):108–14

Endometrial carcinoma with cervical involvement (stage II): prognostic factors and value of combined radiological-surgical treatment. Onsrud M, et al. **Gynecol Oncol** 1982 Feb;13(1):76–86

Recurrent gestational trophoblastic disease. Surwit EA, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):177–85

Observations and management of carcinoma body uterus. Vyas JJ, et al. **Indian J Cancer** 1982 Mar;19(1):58–61

Analysis of residual disease following preoperative radiotherapy versus initial surgery in endometrial carcinoma. Chung CK, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):213–8

Clear cell carcinoma of the endometrium: an uncommon entity with a favorable prognosis. Giri PG, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1383–7

Uterine sarcomas: an analysis of 69 patient. Mantravadi RV, et al. **Int J Radiat Oncol Biol Phys** 1981 Jul;7(7):917–22

Gestational trophoblastic neoplasms. Clinical principles of diagnosis and management. Goldstein DP, et al. **Major Probl Obstet Gynecol** 1982;14:1–301

Oophorectomy in lymphangioleiomyomatosis and benign metastasizing leiomyoma [letter] Winter JA. **N Engl J Med** 1981 Dec 3;305(23):1416–7

Hydatidiform mole with coexistent fetus. Block MF, et al. **Obstet Gynecol** 1982 Jul;60(1):129–34

Management of stage I carcinoma of the uterus. Paterson E, et al. **Obstet Gynecol** 1982 Jun;59(6):755–8

A clinical and pathologic study of 34 sarcomas of the uterus. Kenda R, et al. **Tumori** 1981 Aug;67(4):341–8

[Sarcoma of the uterus—an analysis of 44 cases (author's transl)] Jianheng S. **Chung Hua Chung Liu Tsa Chih** 1981 Aug;3(3):216–7 (Eng. Abstr.) **(Chi)**

[Sarcoma of the uterus—a report of 23 cases (author's transl)] Liu TL. **Chung Hua Chung Liu Tsa Chih** 1981 Aug; 3(3):213–5 (Eng. Abstr.) **(Chi)**

[A study on 333 patients with adenocarcinoma of the endometrium treated by combined surgery and radiation therapy (author's transl)] Reboul F, et al. **Sem Hop Paris** 1982 Mar 4;58(9):539–45 (Eng. Abstr.) **(Fre)**

[Combined treatment of corpus cancer. Results and side effects in 496 patients] Voss AC, et al. **Strahlentherapie [Sonderb]** 1981;76:271–9 **(Ger)**

[Problems faced in the chemotherapy and immunotherapy of choriocarcinoma] Goto S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Sep; 33(9):1345–54 **(Jpn)**

[Substantiation of the duration of radon vaginal irrigations in patients with uterine myoma] Lytkin VV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Jan–Feb;(1):54–5 **(Rus)**

[Elimination of the pain syndrome in patients with generalized forms of malignant genital tumors] Beliaev DG, et al. **Vopr Onkol** 1982;28(3):29–34 (Eng. Abstr.) **(Rus)**

[Effect of surgical and combined treatments on the state of the blood coagulating system in cancer of the corpus uteri] Evtiukhin AI, et al. **Vopr Onkol** 1981;27(12):23–8 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Are the histological and ultrastructural features of endometrial carcinomas reliable indicators of their steroid receptor content? Genton CY, et al. **Gynecol Obstet Invest** 1982;13(4):213–25

Endolymphatic stromal myosis with focal tubular-glandular differentiation (biphasic endometrial stromal sarcoma). Paulsen SM, et al. **Ultrastruct Pathol** 1982 Jan–Mar; 3(1):31–42

[Clinicomorphological studies of combined uterine myoma and endometrial cancer] Ganchev S, et al. **Akush Ginekol (Sofiia)** 1982;21(1):50–4 (Eng. Abstr.) **(Bul)**

[Heterologous Müllerian adenosarcoma of the uterus—a rare tumor. Light- and electron-microscopic findings, biological behavior (author's transl)] Dietze O, et al. **Arch Gynecol** 1981;231(1):75–85 (Eng. Abstr.) **(Ger)**

[A case of endometrial stromal sarcoma] Morimoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1267–70 **(Jpn)**

[Cell functions of cultured human choriocarcinoma following the administration of methotrexate (author's transl)] Nishiya I, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Nov; 33(11):1910–6 (Eng. Abstr.) **(Jpn)**

URINE

Dissociation of chorioadenoma destruens from hydatidiform mole by urinary steroid analysis. Kodama M, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):288–93

Characterization of a small molecular size urinary immunoreactive human chorionic gonadotropin (hCG)-like substance produced by normal placenta and by hCG-secreting neoplasms. Masure HR, et al. **J Clin Endocrinol Metab** 1981 Nov;53(5):1014–20

The biochemical properties of urinary human chorionic gonadotropin from the patients with trophoblastic disease. Nishimura R, et al. **J Endocrinol Invest** 1981 Jul–Sep; 4(3):349–58

[Biological and biochemical properties of human chorionic

gonadotropin from urine of patients with hydatidiform mole and its radioimmunoassay (author's transl)] Nishimura R, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20; 57(11):1632–44 (Eng. Abstr.) **(Jpn)**

VETERINARY

Spontaneous hyperplastic and neoplastic lesions of the uterus in mice. Reuber MD, et al. **J Gerontol** 1981 Nov; 36(6):663–73

Leiomyomas in two sea otters, Enhydra lutris. Williams TD, et al. **J Wildl Dis** 1981 Jul;17(3):401–4

Spontaneous uterine neoplasms in the fat sand rat (Psammomys obesus). Czernobilsky B, et al. **Lab Anim** 1982 Jul;16(3):285–9

Mixed mesenchymal tumours of the mouse uterus. Sass B. **Lab Anim** 1981 Oct;15(4):365–9

Strain-difference in the induction of adenomyosis by intrauterine pituitary grafting in mice. Mori T, et al. **Lab Anim Sci** 1982 Feb;32(1):40–1

Uncommon frequency of adenocarcinomas of the uterus in virgin Han:Wistar rats. Deerberg F, et al. **Vet Pathol** 1981 Nov;18(6):707–13

UTERINE PERFORATION see under **UTERINE RUPTURE**

UTERINE PROLAPSE

[Perineal endometriosis in a case of prior delivery with uterine inversion] Bellorini R, et al. **Chir Ital** 1981 Jun; 33(3):812–7 **(Ita)**

COMPLICATIONS

Joint hypermobility in women with genital prolapse. AL-Rawi ZS, et al. **Lancet** 1982 Jun 26;1(8287):1439–41

Pregnancy following repair ... anal and vaginal atresia and bladder exstrophy. Mariona FG, et al. **Obstet Gynecol** 1982 May;59(5):653–5

[Coincidence of total uterine prolapse and cervical cancer (author's transl)] Tokin S, et al. **Jugosl Ginekol Opstet** 1981 Dec;21(5–6):127–9 **(Ser)**

DIAGNOSIS

Urinary incontinence and genital prolapse in the female: clinical, urodynamic and radiological examinations. Walter S, et al. **Br J Obstet Gynaecol** 1982 May;89(5):393–401

ETIOLOGY

Major common problems: genital prolapse. Fergusson IL. **Br J Hosp Med** 1981 Jul;26(1):67–72

Non-puerperal uterine inversion. Case report. Krenning RA, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):247–9

Procidentia incarcerated by vesical calculi. Pranikoff K, et al. **J Urol** 1982 Feb;127(2):320–1

OCCURRENCE

[Clinical incidence of uterine and/or vaginal prolapse and nature of the treatment] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1319–22 **(Dut)**

[Fewer cases of genital prolapse] Kloosterman GJ. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1311 **(Dut)**

PREVENTION & CONTROL

[Enterocele: prevention and therapy] Webb MJ. **Gynakologe** 1981 Sep;14(3):187–91 **(Ger)**

[Prevention of vaginal prolapsus after abdominal hysterectomies (author's transl)] Jurić M, et al. **Jugosl Ginekol Opstet** 1981 May–Aug;21(3–4):91–3 (Eng. Abstr.) **(Ser)**

SURGERY

Modified technique of sacral colpopexy [letter] Lane FE. **Am J Obstet Gynecol** 1982 Apr 1;142(7):933

Long-term results following fixation of the vagina on the sacrospinal ligament by the vaginal route (vaginaefixatio sacrospinalis vaginalis). Richter K, et al. **Am J Obstet Gynecol** 1981 Dec 1;141(7):811–6

Clinical and urodynamic effects of anterior colporrhaphy and vaginal hysterectomy for prolapse with and without incontinence. Stanton SL, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):459–63

Posthysterectomy vaginal vault prolapse [letter] Quigley GJ. **Can Med Assoc J** 1982 Jul 15;127(2):112

Abdominal sacropexy for vaginal vault prolapse. Hendee AE, et al. **Clin Obstet Gynecol** 1981 Dec;24(4):1217–26

Clinical pelvic anatomy, the types of genital prolapse and the choice of operation for repair: in most instances transvaginal operation is indicated. Nichols DH. **RI Med J** 1982 Mar;65(3):112–3

[The operative treatment of enterocele and prolapse of the vaginal vault (author's transl)] Jaisle F. **Geburtshilfe Fraunheilkd** 1981 Nov;41(11):777–80 (Eng. Abstr.) **(Ger)**

[Vaginal reconstruction by the Manchester method] Iversen T, et al. **Tidsskr Nor Laegeforen** 1981 Sep 10;101(25):1380–2 (Eng. Abstr.) **(Nor)**

[Colpocleisis paramediana – our modification of the Neugebauer-Le Fort operation making possible sexual intercourse and facilitating access to the uterine cervix] Jaworski E. **Ginekol Pol** 1981 Jan;52(1):79–82 (Eng. Abstr.) **(Pol)**

[Vaginal hysterectomy in the treatment of uterine prolapse (The Mayo-Ward-Salvatore technic)] Salvatore CA. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Oct;36(5):233–6 (Eng. Abstr.) **(Por)**

[Combined surgery in prolapse of the large intestine, vagina, and uterus] Konstantinov VK. **Vestn Khir** 1981 Dec; 127(12):85–6 **(Rus)**

[Treatment of genital prolapse in nulliparous women] Ramírez H, et al. **Rev Chil Obstet Ginecol** 1979;44(5):245–9 (Eng. Abstr.) **(Spa)**

THERAPY

Pessaries and prolapse. Rodenberg TA. **J Fla Med Assoc** 1981 Nov;68(11):895–7

[Prolapse and pessaries] Barents JW, et al. **Ned Tijdschr Geneeskd** 1981 Dec 26;125(52):2129–35 **(Dut)**

VETERINARY

Uterine prolapse in a mare. Chisholm FR. **Can Vet J** 1981 Aug;22(8):267

Observations on uterine prolapse in beef cattle. Richardson GF, et al. **Can Vet J** 1981 Jun;22(6):189–91

Effects of caesarean section, retained placenta and vaginal or uterine prolapse on subsequent fertility in beef cattle. Patterson DJ, et al. **J Anim Sci** 1981 Oct;53(4):916–21

An unusual prolapse [letter] Scott A. **Vet Rec** 1982 May 8; 110(19):457

Complete uterine prolapse in a mare. Howlett JR. **VM SAC** 1981 May;76(5):655–6

UTERINE RUPTURE

CHEMICALLY INDUCED

Rupture of the cervix during prostaglandin termination of pregnancy. El-Etriby EK, et al. **Postgrad Med J** 1981 Apr; 57(666):265–6

DIAGNOSIS

Infant survival with prolonged uterine rupture. Cotton DB. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1059–60

Spontaneous rupture of an unscarred uterus at 19 weeks' gestation. DeWane JC, et al. **Am J Obstet Gynecol** 1981 Sep 15;141(2):222–3

Cardiotocographic evidence of uterine rupture in labour. Beedham T. **Br J Clin Pract** 1981 May;35(5):197–8

Laparoscopy in the management of uterine perforation. Ben-Baruch G, et al. **J Reprod Med** 1982 Feb;27(2):73–6

[Suspicion in rupture of the uterus even by external routine cardiotokogram? (author's transl)] Bernaschek G. **Z Geburtshilfe Perinatol** 1981 Oct;185(5):296–7 (Eng. Abstr.) **(Ger)**

[Spontaneous uterine rupture in pregnancy] Kurek T, et al. **Ginekol Pol** 1981 Jun;52(6):543–6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Spontaneous perforation of pyometra with diffuse peritonitis. Bostofte E, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):511–2

Placenta percreta, with spontaneous rupture of the uterus before labour and a uterine cornual ring: a case report. Ojwang SB, et al. **East Afr Med J** 1981 Nov;58(11):886–9

Placenta accreta and percreta: a review of 5 cases. Oumachigui A, et al. **Int J Gynaecol Obstet** 1981 Aug; 19(4):337–40

Sigmoido-uterine rupture in pregnancy after multiple myomectomy. Georgakopoulos PA, et al. **Int Surg** 1981 Oct-Dec;66(4):367–8

Perforated and embedded intrauterine devices. Zakin D, et al. **JAMA** 1982 Apr 16;247(15):2144–6

Traumatic rupture of the non-pregnant uterus. Grossberg P, et al. **Med J Aust** 1982 Apr 3;1(7):310–1

Uterine perforation by the intra-uterine device. Raman S, et al. **Med J Malaysia** 1981 Sep;36(3):151–4

Uterine rupture occurring during midtrimester abortion. Graham D. **Obstet Gynecol** 1982 Jun;59(6 Suppl):62S–4S

Major complications associated with intrauterine pressure monitoring. Madanes AE, et al. **Obstet Gynecol** 1982 Mar; 59(3):389–91

Complete and partial uterine perforation and embedding following insertion of intrauterine devices. I. Classification, complications, mechanism, incidence, and missing string. Zakin D, et al. **Obstet Gynecol Surv** 1981 Jul;36(7):335–53 (150 ref.)

The scarred uterus and subsequent pregnancy and delivery [letter] Griffiths ML. **S Afr Med J** 1982 Jul 3;62(1):5

[Uterus perforation caused by copper IUD (letter)] Loller J, et al. **Ugeskr Laeger** 1981 May 25;143(22):1413 **(Dan)**

[Uterine perforation caused by 2 types of copper IUD] Marschall B, et al. **Ugeskr Laeger** 1981 Mar 2;143(10):620–1 (Eng. Abstr.) **(Dan)**

[Prostaglandin-oxytocin induced rupture of the posterior fornix. A complication after induced abortion] Molin J. **Ugeskr Laeger** 1981 Jul 13;143(29):1841 (Eng. Abstr.) **(Dan)**

[Uterus perforation caused by spiral shaped IUD (letter)] Nielsen KR. **Ugeskr Laeger** 1981 May 4;143(19):1226 **(Dan)**

[Asymptomatic uterus rupture in a patient with placenta percreta--case report (author's transl)] Horn U. **Zentralbl Gynakol** 1982;104(2):134–6 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of a scar defect following cesarean section] Szöke B, et al. **Orv Hetil** 1981 Sep 6; 122(36):2229–30 **(Hun)**

[Uterine perforation by the IUD (clinical case)] Laghi A, et al. **Arch Ostet Ginecol** 1980 May-Jun;85(3):126–36 **(Ita)**

[Pregnancy in an atretic uterine horn: description of a case] Bordanzi L, et al. **Clin Ital** 1981 Aug;33(4):974–8 **(Ita)**

[Laminaria in induction of abortion in the 2d trimester. Case of uterine rupture] Menaldo G, et al. **Minerva Ginecol** 1981 Jun;33(6):599–601 **(Ita)**

[Uterine rupture. Analysis of 21 cases] Molina Sosa A, et al. **Ginecol Obstet Mex** 1981 May;49(295):325–33 (Eng. Abstr.) **(Spa)**

[Intravesical intrauterine T-Cu device. Echographic diagnosis] Ruiz M, et al. **Rev Chil Obstet Ginecol** 1979; 44(3):84–8 (Eng. Abstr.) **(Spa)**

MORTALITY

Report from the Committee on Maternal Welfare. Total exsanguination. Jewett JF. **N Engl J Med** 1981 Nov 12; 305(20):1216–8

RADIOGRAPHY

Location of intrauterine devices: evaluation by computed tomography. Richardson ML, et al. **Radiology** 1982 Mar; 142(3):690

SURGERY

Repair of uterine perforation through minilaparotomy. Samos FH. **Int Surg** 1979 Aug-Oct;64(5):53–5

[Comparative evaluation of the suture technics in cervical rupture] Kalmanova LM, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):38–40 **(Rus)**

UTEROGLOBIN see under **GLYCOPROTEINS**

UTERUS

see related
HYSTERECTOMY
HYSTEROSALPINGOGRAPHY

False hernias through parametric defects. A report of two cases. Andrén-Sandberg A, et al. **Acta Chir Scand** 1981; 147(5):381–2

A modified uterine displacement device [letter] Elliott MB, et al. **Anesthesiology** 1982 Aug;57(2):146

Uteruslike mass replacing ovary [letter] Rosai J. **Arch Pathol Lab Med** 1982 Jul;106(7):364–5

The hysterophore: a new instrument for uterine manipulation during laparoscopy. Lammes FB. **Eur J Obstet Gynaecol Reprod Biol** 1981 Oct;12(4):243–6

Photography through the hysteroscope: equipment, techniques and recent advances. Kleidon DM, et al. **J Biol Photogr** 1982 Jan;50(1):5–6

Pitfalls in ultrasonic determination of total intrauterine volume. Grossman M, et al. **JCU** 1982 Jan;10(1):17–20

Human pregnancy following oocyte and sperm transfer to the uterus. Craft I, et al. **Lancet** 1982 May 8;1(8280):1031–3

Effect of chronic ipsilateral or contralateral intrauterine infusion of prostaglandin E2 (PGE2) on luteal function of unilaterally ovariectomized ewes. Magness RR, et al. **Prostaglandins Med** 1981 Apr;6(4):389–401

[Foreign bodies and pregnancy] Dušek H, et al. **Cesk Gynekol** 1981 Jun;46(5):374–5 **(Cze)**

[Rare localization of endometriosis and diagnostic difficulties. Apropos of 3 cases] Dubuis PY. **Rev Med Suisse Romande** 1981 Nov;101(11):919–24 **(Fre)**

[Radiation load during extraction of IUP's in pregnancy under x-ray control (author's transl)] Kronholz HL, et al. **ROFO** 1982 Mar;136(3):328–30 **(Ger)**

[Late sequelae of an intrauterine foreign body] Schssling G. **Z Arztl Fortbild (Jena)** 1981 Aug 1;75(15):718–9 **(Ger)**

[Place and role of hysteroscopy in gynecological practice] Stelmachów J. **Ginekol Pol** 1981 Jun;52(6):521–4 (Eng. Abstr.) **(Pol)**

[Diagnostic importance of hysteroscopy in examining patients with juvenile hemorrhages] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):26–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

The improvement of fertility at women with bicervical bicornuate uterus and double vagina. Sîrbu P, et al. **Acta Eur Fertil** 1981 Sep;12(3):199–212 **(Eng, Fre)**

Uterine anomalies in diethylstilbestrol-exposed women with fertility disorders. Ben-Baruch G, et al. **Acta Obstet Gynecol Scand** 1981;60(4):395–7

Reproductive performance of women with uterine anomalies. An evaluation of 182 cases. Heinonen PK, et al. **Acta Obstet Gynecol Scand** 1982;61(2):157–62

Impaired reproductive performance of the unicornuate uterus: intrauterine growth retardation, infertility, and recurrent abortion in five cases. Andrews MC, et al. **Am J Obstet Gynecol** 1982 Sep 15;144(2):173–6

Hysteroscopic resection of the uterine septum. Chervenak

FA, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):351–3
Pelvic mass in late-pregnancy sonography of uterine duplication: report of two cases. Kutcher R, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):603–5
H-Y positive 46 XX true hermaphroditism with intrascrotal uterus. Boucekkine C, et al. **Clin Endocrinol (Oxf)** 1981 Dec;15(6):529–35
Uterine unification: indications and technique. Mercer CA, et al. **Clin Obstet Gynecol** 1981 Dec;24(4):1199–216
Ultrasound demonstration of uterine anomaly and pregnancy. Radder RW, et al. **Diagn Imaging** 1982 Jan–Feb;51(1):39–46
Laparoscopic ventrosuspension: a new technique. Serour GI, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):129–31
Hematocolpos and unilateral renal agenesis: a case report. O'Brien K, et al. **J Can Assoc Radiol** 1982 Jun;33(2):121–3
Unilateral renal agenesis associated with vaginal or cervical fistula and anomalous uterine development. Goldstein AI, et al. **J Reprod Med** 1981 Nov;26(11):571–3
A case of dysuria as a result of a communication between the urinary bladder and corpus uteri in a Cairn Terrier. van Schouwenburg SJ, et al. **J S Afr Vet Assoc** 1982 Mar; 53(1):65–6
Uterus didelphia with left hematocolpos and ipsilateral renal agenesis. Anderson KA, et al. **J Urol** 1982 Mar;127(3):550–3
Urologic anomalies associated with an absent uterus. Ataya KM, et al. **J Urol** 1982 Jun;127(6):1125–7
Prevalence of urinary tract abnormalities in a large series of patients with uterovaginal atresia. D'Alberton A, et al. **J Urol** 1981 Nov;126(5):623–4
Pregnancy and an IUD in separate horns of a bicornate uterus [letter] Seibel MM, et al. **JAMA** 1982 Feb 12;247(6):753–4
Rudimentary uterine horn mimicking ectopic pregnancy. Frank AR, et al. **NY State J Med** 1982 Feb;82(2):213–5
Triplet pregnancy in uterus didelphys with delivery interval of 72 days. Mashiach S, et al. **Obstet Gynecol** 1981 Oct; 58(4):519–21
[Congenital anomalies of the uterus and pregnancy (author's transl)] Song YQ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Apr;16(2):97–9 **(Chi)**
[Uterus bicornis with a rudimentary right uterine horn and aplasia of the ipsilateral kidney] Reich I, et al. **Cesk Gynekol** 1981 Jun;46(5):375–8 **(Cze)**
[Infantile hydrometrocolpos] Bünger EH. **Ugeskr Laeger** 1981 Jul 6;143(28):1772–3 (Eng. Abstr.) **(Dan)**
[Association of renal agenesis and genital malformation in the young girls. Comments apropos of 2 cases] Dodat H, et al. **Pediatrie** 1982 Jan–Feb;37(1):41–7 (Eng. Abstr.) **(Fre)**
[Pregnancy and bicornuate uterus – sonographic diagnosis and follow-up (author's transl)] Bernaschek G, et al. **Z Geburtshilfe Perinatol** 1981 Aug;185(4):243–7 **(Ger)**
[Pyometra in rudimentary uterine horn with obstructive dilatation of the urinary tract (author's transl)] Dieminger HJ, et al. **Zentralbl Gynakol** 1981;103(21):1329–33 (Eng. Abstr.) **(Ger)**
[Pregnancy in a rudimentary uterine horn] Pál A. **Orv Hetil** 1981 Jul 19;122(29):1795–6 **(Hun)**
[Congenital hydrometrocolpos] Zsonda L, et al. **Orv Hetil** 1982 Jun 20;123(25):1555–7 **(Hun)**
[Uterus didelphys with imperforate hemivagina. Clinical cases] Candiani GB, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):233–43 (Eng. Abstr.) **(Ita)**
[Structural abnormalities of the uterus as a cause of prematurity] Allocca G, et al. **Arch Ostet Ginecol** 1980 Sep–Oct;85(5):457–62 (Eng. Abstr.) **(Ita)**
[Pregnancy in the malformed uterus. 5 years' experience] Messalli EM, et al. **Arch Ostet Ginecol** 1981 Jan–Apr; 86(1–2):67–74 **(Ita)**
[Pregnancy in an atretic uterine horn: description of a case] Bordanzi L, et al. **Chir Ital** 1981 Aug;33(4):974–8 **(Ita)**
[Uterine malformations and pregnancy] Giustolisi V, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):47–55 **(Ita)**
[The Petit-Le Four pessary in the mechanical treatment of uterine hypoplasia as the cause of sterility and infertility] Rizzuto E, et al. **Minerva Ginecol** 1981 Jul–Aug; 33(7–8):683–90 (Eng. Abstr.) **(Ita)**
[Uterine malformations. Considerations on 20 cases] Sallusto A, et al. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):35–46 **(Ita)**
[Use and indications of metroplasty in double uterus: long-term follow-up in evaluation of 21 cases] Carretti N, et al. **Riv Ital Ginecol** 1980;59(4–5):377–91 (Eng. Abstr.) **(Ita)**
[Congenital anomaly of uterus in delivery (author's transl)] Tazaki K, et al. **Igaku Kenkyu** 1981 Apr;51(2):98–102 (Eng. Abstr.) **(Jpn)**
[A parturient with urogenital abnormalities] Karpiel W, et al. **Ginekol Pol** 1981 May;52(5):457–9 (Eng. Abstr.) **(Pol)**
[Mayer-Rokitansky-Küster-Hauser syndrome. Apropos of 3 cases] de Oliveira RR, et al. **AMB** 1981 Nov;27(11):323–5 (Eng. Abstr.) **(Por)**
[Etiology of vaginal and uterine abnormalities] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):43–6 (Eng. Abstr.) **(Rus)**
[Uterine malformations difficult to diagnosis] Saavedra R, et al. **Rev Chil Obstet Ginecol** 1979;44(3):79–83 **(Spa)**

ANALYSIS

Oestrogen and progesterone receptors in the involuting rat uterus. Geyer H, et al. **Acta Endocrinol (Copenh)** 1982 Jul; 100(3):450–4
Uterine progesterone levels and intrauterine pressure in ovariectomized post partum rats. Herczeg J. **Acta Physiol Acad Sci Hung** 1981;58(2):147–55
Unconjugated steroids in leiomyomas and tumor-bearing myometrium. Otubu JA, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):130–3
Myometrial prostaglandins during the human menstrual cycle. Vijayakumar R, et al. **Am J Obstet Gynecol** 1981 Oct 1;141(3):313–8
Distribution of progesterone in the uterus, broad ligament, and uterine arteries of beef cows. Pope WF, et al. **Anat Rec** 1982 Jun;203(2):245–50
Type V collagen: the presence of appreciable amounts of alpha 3(V) chain in uterus. Abedin MZ, et al. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1237–45
Actin from pig and rat uterus. Elce JS, et al. **Biochem J** 1981 Mar 1;193(3):891–8
Rapid analysis of estrogen and progesterone receptors using gel-exclusion high-performance liquid chromatography. Pavlik EJ, et al. **Biochemistry** 1982 Jan 5;21(1):139–45
Salt extractability of nuclear receptor-estrogen complex from the rat uterus. Ikeda M, et al. **Biochim Biophys Acta** 1982 Apr 13;715(2):175–80
Uterine estrogen receptor assayed by the controlled pore glass (CPG) method in adult rat after steroid administration. Imamura Y, et al. **Bull Tokyo Med Dent Univ** 1981 Sep;28(3):87–90
Uteroglobin-like antigens in species of Lagomorpha. Nieto A, et al. **Comp Biochem Physiol [B]** 1982;71(3):511–4
Effect of food restriction (undernutrition) on plasma sex hormone binding globulin (SHBG) capacity, liver drug metabolizing enzymes and uterine cytosol progesterone receptor levels in rabbits. Prasad KV, et al. **Contraception** 1981 May;23(5):563–76
Uterine plasminogen activator activity: modulation by steroid hormones. Kneifel MA, et al. **Endocrinology** 1982 Aug; 111(2):493–9
Uterine epithelial and eosinophil estrogen receptors in rats during the estrous cycle. Lee SH. **Histochemistry** 1982; 74(4):443–52
Localization and quantitation of a low molecular weight proteinase inhibitor, antileukoprotease, in the human uterus. Casslén B, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jul; 362(7):953–61
Cytoplasmic estrogen receptor system of gilt uterus. Partial purification of component B labeled with [14C]iodoacetic acid. Fukai F, et al. **J Biochem (Tokyo)** 1981 Jun; 89(6):1829–37
Characterization of estrogen receptor, estrogen receptor binding factors and a protease in the nuclei of gilt uterus. Murayama A, et al. **J Biochem (Tokyo)** 1981 Sep; 90(3):823–32
Gas chromatographic-mass spectrometric analysis of endogenous levels of estradiol in plasma and in cytosol from rat uterus. Tetsuo M, et al. **J Chromatogr** 1982 Apr 30;239:287–300
Induction of implantation in the rat by intraparametrial injection of uterine RNA from oestrogen-treated animals. Lejeune B, et al. **J Endocrinol** 1982 Jun;93(3):397–402
Influence of tissue homogenization techniques on levels of estrogen and progesterone receptors measured in calf uterus and human breast tumors. Ryan ED, et al. **J Immunoassay** 1980;1(4):463–74
A rapid assay for progesterone receptors in rat uterine cytosol: technique, changes at induction of decidualization. Barkai U, et al. **J Steroid Biochem** 1981 Aug;14(8):713–20
Antibodies to estradiol receptor from human myometrium. Coffer AI, et al. **J Steroid Biochem** 1981 Dec; 14(12):1229–35
Monoclonal antibodies as probes for estrogen receptor detection and characterization. Greene GL, et al. **J Steroid Biochem** 1982 Mar;16(3):353–9
Influence of prenatal exposure to diethylstilbestrol on estrogen and progestin binding proteins in uteri and dimethylbenzanthracene- induced mammary tumors of the rat. Heidemann PH, et al. **J Toxicol Environ Health** 1981 Oct;8(4):667–86
The intranuclear distribution of rat uterine estrogen receptors determined after nuclease treatment and chromatin fractionation. Pavlik EJ, et al. **Mol Cell Endocrinol** 1982 Apr;26(1–2):201–16
Histochemistry of uterovaginal sperm-host glands in Japanese Quail (Coturnix coturnix japonica) with reference to the period of oviposition. Renden JA, et al. **Poult Sci** 1981 Nov;60(11):2529–35
Uterine prostaglandin concentrations following fetal death in sheep. Evans CA, et al. **Prostaglandins** 1982 Mar; 23(3):337–46
The changing estrogen content of the nuclear fraction of human myometrium during labor. Ko HH, et al. **Steroids** 1981 Aug;38(2):175–84
Results of the Italian interlaboratory quality control program for estradiol receptor assay. Fumero S, et al. **Tumori** 1981 Aug;67(4):301–6
[Gestational changes of cytoplasmic and nuclear estrogen and progesterone receptors in the human myometrium (author's transl)] Oyama Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec;33(12):2143–52 (Eng. Abstr.) **(Jpn)**
[Biorhythm of oxygen tension in uterine and fetal tissues] Chizhov AIa, et al. **Biull Eksp Biol Med** 1981 Oct; 91(10):392–4 (Eng. Abstr.) **(Rus)**
[Characteristics of the uterine progesterone receptor system in the guinea pig] Sturchak SV, et al. **Vopr Med Khim** 1982 Mar–Apr;28(2):118–21 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Apical vesicles in the rat uterine epithelium during early pregnancy: a morphometric study. Parr M. **Biol Reprod** 1982 Jun;26(5):915–24
Uterine size and glycogen content in cycling and pregnant rats: influence of relaxin. Vasilenko P 3d, et al. **Biol Reprod** 1981 Aug;25(1):162–9
Measurement of fundal height as a screening test for fetal growth retardation. Rosenberg K, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):447–50
Regulation of uterine smooth muscle bradykinin receptors by bradykinin levels and angiotensin converting enzyme inhibitor in the rat. Yasujima M, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):515–8
4-Hydroxyestradiol-17 beta and 4-hydroxyestradiol-17 alpha: comparative studies on central and peripheral effects of two epimeric catecholestrogens. Emons G, et al. **Endocrinology** 1981 Nov;109(5):1799–801
Asymmetric distribution of male and female foetuses in the pregnant rabbit uterus. YoungLai EV, et al. **Experientia** 1981 Jul 15;37(7):690–1
Anatomical photography: an inside view. Mitchell P, et al. **J Audiov Media Med** 1981 Oct;4(4):120–2
Uterine histology and reproductive cycles in pregnant and non-pregnant opossums, Didelphis virginiana. Fleming MW, et al. **J Reprod Fertil** 1981 Sep;63(1):21–4
Anatomy of the utero-ovarian lymphatic network and the composition of afferent lymph in relation to the establishment of pregnancy in the sheep and goat. Staples LD, et al. **J Reprod Fertil** 1982 Mar;64(2):409–20
The intra-uterine position of canine foetuses and their sequence of expulsion at birth. van der Weyden GC, et al. **J Small Anim Pract** 1981 Aug;22(8):503–10
Influence of intrauterine position on fetal weight in Dutch belted rabbits. Stuckhardt JL, et al. **J Toxicol Environ Health** 1981 Nov–Dec;8(5–6):777–86
The cyclical changes in the uterine lymphatics of the pig. Investigations on the perimetrium. Fabian G. **Lymphology** 1981 Mar;14(1):17–23
Endometrial images by ultrasound. Nakano H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):275–8
The position effect of embryos in trisomy-1-producing mice. von Domarus H, et al. **Teratology** 1981 Dec;24(3):315–9
[Ultrasonic diagnosis of subinvolution of the uterus after labor] Bakuleva LP, et al. **Akush Ginekol (Mosk)** 1982 May; (5):24–7 **(Rus)**

BLOOD SUPPLY

Conservative treatment of uterine arteriovenous fistula. Forssman L, et al. **Acta Obstet Gynecol Scand** 1982; 61(1):85–7
Effect of vasoactive intestinal polypeptide (VIP) upon myometrial blood flow in non-pregnant rabbit. Otuesen B, et al. **Acta Physiol Scand** 1981 Jun;112(2):195–201
Response of ovine uterine blood flow to angiotensin II: effect on the fetus. Bruce SL, et al. **Am J Obstet Gynecol** 1981 Nov 1;141(5):495–8
Effect of bisenoic prostaglandins and arachidonic acid on the uterine vasculature of pregnant sheep. Clark KE, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):261–8
Placental clearance rate of maternal plasma androstenedione through placental estradiol formation: an indirect method of assessing uteroplacental blood flow. Edman CD, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1029–37
Blood flow of the reproductive system in renal hypertensive rats during pregnancy. Karlsson K, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1039–44
A model for studying chronic reduction in uterine blood flow in pregnant sheep. Clark KE, et al. **Am J Physiol** 1982 Feb;242(2):H297–301
Kinins in regulation of uteroplacental blood flow in the pregnant rabbit. Seino M, et al. **Am J Physiol** 1982 Feb; 242(2):H142–7
Placental transfer as a function of uterine blood flow. Wilkening RB, et al. **Am J Physiol** 1982 Mar; 242(3):H429–36
Intraarterial cushions of the rat uterine artery: a scanning electron microscope evaluation utilizing vascular casts. Kardon RH, et al. **Anat Rec** 1982 May;203(1):19–29
Measurement of organ blood flow using tritiated water. II. Uterine blood flow in conscious pregnant ewes. Brown BW, et al. **Aust J Biol Sci** 1982;35(1):25–31
The vascular and microvascular anatomy of the rat uterus during the oestrous cycle. Rogers PA, et al. **Aust J Exp Biol Med Sci** 1981 Dec;59(Pt 6):667–79
Relationship between uterine progesterone and fetal development in pigs. Kephart KB, et al. **Biol Reprod** 1981 Sep;25(2):349–52
Acute effect of an antihypertensive drug, labetalol, on uteroplacental blood flow. Lunell NO, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):640–4
Uteroplacental blood flow in pre-eclampsia measurements with indium-113m and a computer-linked gamma camera. Lunell NO, et al. **Clin Exp Hypertens [B]** 1982;1(1):105–17
17 beta-estradiol stimulation of uterine blood flow in oophorectomized rabbits with complete inhibition of uterine ribonucleic acid synthesis. Penney LL, et al.

Endocrinology 1981 Nov;109(5):1672–6
Induction and inhibition of uterine vasodilation by catechol estrogen in oophorectomized, nonpregnant ewes. Rosenfeld CR, et al. **Endocrinology** 1982 Apr;110(4):1333–9
Vascular degenerative changes in the uterine arteries of senescent female golden hamsters. Rahima A.
Exp Gerontol 1981;16(4):343–6
The veins of the female reproductive system. Aleksandrowicz R, et al. **Folia Morphol (Praha)** 1981;29(3):227–9
Technique for stepwise reduction of uterine blood flow in the chronically prepared pregnant sheep. Yaffe H, et al. **Gynecol Obstet Invest** 1982;13(4):257–60
Prostaglandins and the maternal placental circulation: review and perspectives. Wallenburg HC.
Int J Biol Res Pregnancy 1981;2(1):15–22 (71 ref.)
The effect of brief episodes of diminished uterine blood flow on breathing movements, sleep states and heart rate in fetal sheep. Harding R, et al. **J Dev Physiol** 1981 August; 3(4):231–43
Uterine blood flow, myometrial activity and their response to adenosine during the peri-implantation period in sheep. Fleet IR, et al. **J Reprod Fertil** 1982 May;65(1):195–205
Uterine blood flow and uterine arterial, venous and luminal concentrations of oestrogens on days 11, 13 and 15 after oestrus in pregnant and non-pregnant sows. Ford SP, et al. **J Reprod Fertil** 1982 Jan;64(1):185–90
Concentrations of PGF-2 alpha and PGE-2 in the uterine venous blood of rabbits during pseudopregnancy and pregnancy. Lytton FD, et al. **J Reprod Fertil** 1982 Mar; 64(2):421–9
Changes in the spatial organization of the uterine vasculature during implantation in the rat. Rogers PW, et al.
J Reprod Fertil 1982 May;65(1):211–4
Assessment of uteroplacental perfusion in preeclampsia using beta-adrenergic drugs. Brotanek V, et al.
J Reprod Med 1981 Aug;26(8):401–4
The story of the spiral arteries. Ramsey EM.
J Reprod Med 1981 Aug;26(8):393–9
Uterine serotonin and receptor blockade during estrogen-induced uterine hyperemia. Van Orden DE, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):469–74
Effect of the prostacyclin synthetase inhibitor tranylcypromine on uterine blood flow in pregnancy. Clark KE, et al. **Prostaglandins** 1982 Feb;23(2):227–36
Effects of prostaglandins on the isolated uterine artery of nonpregnant women. Wilhelmsson L, et al.
Prostaglandins 1981 Aug;22(2):223–33
[The variability of fetal heart rate response to the reduction of uterine blood flow in anaesthetized and unanaesthetized pregnant sheep] Künzel W, et al.
Z Geburtshilfe Perinatol 1981 Dec;185(6):343–50 (Eng. Abstr.) **(Ger)**
[Pyometra in rudimentary uterine horn with obstructive dilatation of the urinary tract (author's transl)] Dieminger HJ, et al. **Zentralbl Gynakol** 1981;103(21):1329–33 (Eng. Abstr.) **(Ger)**
[Absorption and excretion of cefotaxime and its levels in uterine arterial blood, female internal genital organ tissue and pelvic cavity fluid (author's transl)] Saito Y, et al.
Jpn J Antibiot 1981 Apr;34(4):481–8 (Eng. Abstr.) **(Jpn)**
[Experimental study of renal and uterine blood flow regulation in obstetric hypovolemic shock (author's transl)] Sanda Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jul; 34(7):905–14 (Eng. Abstr.) **(Jpn)**
[Scanning electron microscopic observations of microcorrosion casts for non pregnant rat uterine vascular architecture (author's transl)] Takemori K, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1982 Jun;34(6):729–37 (Eng. Abstr.) **(Jpn)**
[Effects of 16,16-Dimethyl-trans-delta 2-PGE1 methyl ester (ONO-802) on uterine, placental and ovarian circulation (author's transl)] Matsumoto K, et al.
Nippon Yakurigaku Zasshi 1981 Oct;78(4):239–48 (Eng. Abstr.) **(Jpn)**
[Arterial vascularization of the uterine body] Palczak R, et al. **Wiad Lek** 1981 Mar 1;34(5):401–4 (Eng. Abstr.) **(Pol)**
[Characteristics of uterine contractile activity and engorgement in pregnant women with an aggravated obstetrical anamnesis] Bakuleva LP, et al.
Akush Ginekol (Mosk) 1981 Oct;(10):24–7 (Eng. Abstr.) **(Rus)**
[Usefulness of bipolar rheography for assessment of uterine hemodynamics] Khasin AZ, et al.
Akush Ginekol (Mosk) 1981 Aug;(8):15–6 (Eng. Abstr.) **(Rus)**
[Microcirculation in the uterine serous membrane during physiological pregnancy] Klimenko PA, et al.
Akush Ginekol (Mosk) 1981 Aug;(8):17–20 (Eng. Abstr.) **(Rus)**
[Regional hemodynamics in intrauterine contraception in the early puerperium] Orlova VS, et al.
Akush Ginekol (Mosk) 1981 Aug;(8):51–3 **(Rus)**
[Perimetric varicose veins] Riazantsev EL, et al.
Akush Ginekol (Mosk) 1981 Sep;(9):43–5 (Eng. Abstr.) **(Rus)**
[Diagnosis of fetal well-being during pregnancy using utero-placental blood flow] Clavero Núñez JA.
An R Acad Nac Med (Madr) 1981;98(2):201–10 **(Spa)**

CYTOLOGY

Quantitative autoradiographic analysis of in situ estrogen concentration by individual cell types of mouse target organs: dose-uptake study. Holderegger C, et al.
Biol Reprod 1981 Nov;25(4):719–24
Surface morphology of uterine and vaginal epithelia in mice during normal postnatal development. Plapinger L.
Biol Reprod 1982 Jun;26(5):961–72
Effect of digitonin on rat myometrium subcellular membrane fractions. Grover AK, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1128–33
Reduction of mitosis by an aqueous extract of uterine epithelium. Lee AE, et al. **Cell Biol Int Rep** 1981 Dec; 5(12):1093–103
Competitive inhibition by danazol of progesterone and dihydrotestosterone binding to human uterine progestin and androgen receptors. Punnonen R, et al.
Horm Metab Res 1982 Mar;14(3):167–8
Granulated metrial gland cells in the virgin and early pregnant mouse uterus. Stewart I, et al. **J Anat** 1981 Dec; 133(Pt 4):535–41
Inhibition of estrogen-induced proliferation of cultured rabbit uterine epithelial cells by a cell density-dependent factor produced by the same cells. Gerschenson LE, et al. **J Steroid Biochem** 1981 Oct;14(10):959–69
Sperm distribution within the genital tract of naturally inseminated gilts. Virag S, et al. **Nord Vet Med** 1981 Mar; 33(3):145–9
The pattern of interstitial trophoblastic invasion of the myometrium in early human pregnancy. Pijnenborg R, et al. **Placenta** 1981 Oct-Dec;2(4):303–16

DRUG EFFECTS

Oestrogens and anti-oestrogens show dissociation between early uterine vascular responses and uterotrophic effects in mice. Arvidson NG, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):290–4
Ultrasonic measurement of ovarian follicles, ovarian and uterine size during induction of ovulation with human gonadotrophins. Ylöstalo P, et al.
Acta Endocrinol (Copenh) 1981 Dec;98(4):592–8
Progesterone action in mammalian uterus. Jänne OA.
Acta Obstet Gynecol Scand [Suppl] 1981;101:11–6 (56 ref.)
Effect of progesterone on the post partum rat uterus. Bernard A. **Acta Physiol Acad Sci Hung** 1981;57(1):19–28
Effect of a purified porcine relaxin upon glycogen and protein in the rat uterus. Frieden EH, et al.
Adv Exp Med Biol 1982;143:315–25
Biochemical and estrogenic activity of some diethylstilbestrol metabolites and analogs in the mouse uterus. Korach KS.
Adv Exp Med Biol 1981;138:39–62
Effect of porcine relaxin on cyclic nucleotide levels and spontaneous contractions of the rat uterus. Sanborn BM, et al. **Adv Exp Med Biol** 1982;143:273–87
Hormonal effects on the contractile apparatus of the myometrium. Kelly RE, et al. **Am J Anat** 1981 Aug; 161(4):375–82
Decreased uterine bradykinin receptors during captopril infusion in rats. Yasujima M, et al. **Am J Cardiol** 1982 Apr 21;49(6):1518–20
Nuclear bodies as structural indicators of estrogenic stimulation in uterine luminal epithelial cells. Padykula HA, et al. **Anat Rec** 1981 Dec;201(4):679–96
Uterine activity and blood flow in response to sulprostone during midtrimester pregnancy termination. Pulkkinen MO.
Arch Gynecol 1981;231(1):57–9
5 alpha-Dihydrotestosterone-induced uteroglobin synthesis in rabbit uterus is not inhibited by antiandrogen administration but is prevented by estradiol. Kopu H.
Biochim Biophys Acta 1981 Jul 27;654(2):293–6
The uterine progestational response to cats: changes in morphology and progesterone receptors during chronic administration of progesterone to estradiol-primed and nonprimed animals. Boomsma RA, et al. **Biol Reprod** 1982 Apr;26(3):511–21
Agonistic and antagonistic effects of clomiphene citrate and its isomers. Clark JH, et al. **Biol Reprod** 1981 Oct; 25(3):667–72
Surface changes in oviduct, uterus and vaginal cells of neonatal mice after estradiol-17 beta and the insecticide chlordecone (Kepone) treatment: a scanning electron microscopic study. Eroschenko VP. **Biol Reprod** 1982 May; 26(4):707–20
Evidence against an obligatory role for catecholamine release or prostacyclin synthesis in the effects of relaxin on the rat uterus. Sanborn BM, et al. **Biol Reprod** 1981 Jun; 24(5):987–92
Effects of ritodrine, a beta 2-adrenoceptor agonist, on smooth muscle cells of the myometrium of pregnant rats. Izumi H, et al. **Br J Pharmacol** 1982 Jul;76(3):463–71
Morphological effects of diethylstilbestrol on neonatal mouse uterus and vagina. Plapinger L. **Cancer Res** 1981 Nov;41(11 Pt 1):4667–77
Oestrogen receptors and oestrogen-induced protein synthesis in the uterus of diabetic rats. Ekka E, et al.
Diabetologia 1981 May;20(5):578–82
Occurrence of permanent anovulation in mouse ovaries and permanent changes in the vaginal and uterine epithelia following neonatal treatment with large doses of 5 alpha-dihydrotestosterone. Iguchi T, et al.
Endocrinol Jpn 1981 Apr;28(2):207–13
Antioxytocic and antiprostaglandin-releasing effects of oxytocin antagonists in pregnant rats and pregnant human myometrial strips. Chan WY, et al. **Endocrinology** 1982 Jul; 111(1):48–54
Prostaglandin F2 alpha modifies the action of norepinephrine on alpha- and beta-adrenoceptors of isolated rat uterus. Chaud M, et al. **Eur J Pharmacol** 1982 Mar 26;78(4):449–56
Effects of catecholamines on circular and longitudinal uterine muscle of the rat. Chow EH, et al. **Eur J Pharmacol** 1981 Dec 3;76(2-3):157–65
Mechanism of action of histamine in the estrogen-primed rat uterus. Goyal RK, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):237–42
Etamsylate as inhibitor of prostaglandin biosynthesis in pregnant human myometrium in vitro. Kovács L, et al.
Experientia 1981 Nov 15;37(11):1182–3
A study on the reactivity of uterine muscle from pregnant and non-pregnant women upon treatment with spasmolytics. Lukanov Y, et al. **Folia Med (Plovdiv)** 1981; 23(1):5–9
Studies on acute cadmium intoxication in ovary and uterus of Funambulus pennanti, Wroughton. Mithal RK.
Ind Health 1981;19(4):231–4
Monoamine oxidase concentration in median eminence, pituitary and uterus of rat after estrogen and centchroman treatment. Srivastava K, et al.
Indian J Physiol Pharmacol 1981 Jan-Mar;25(1):80–2
The response of the costo-uterine muscle of the rat to adrenoreceptor agonists during the oestrous cycle: a comparison with the uterine horn. Hartley ML, et al.
J Auton Pharmacol 1981 Mar;1(2):133–40
Comparative pharmacology of oestrogens and catechol oestrogens: actions on the immature rat uterus in vivo and in vitro. Franks S, et al. **J Endocrinol** 1982 Jul;94(1):91–8
Impaired prepubertal uterine responsivity after neonatal exposure to steroid hormone esters. Campbell PS.
J Exp Zool 1980 Dec;214(3):345–53
Antiestrogen basicity--activity relationships: a comparison of the estrogen receptor binding and antiuterotrophic potencies of several analogues of (Z)-1,2-diphenyl-1-[4-[2-(dimethylamino)ethoxy]phenyl] (tamoxifen, Nolvadex) having altered basicity. Robertson DW, et al. **J Med Chem** 1982 Feb;25(2):167–71
Identification of arachidonic acid metabolites extracted from human uterus, and their effects on the isolated myometrium. Sanger GJ, et al. **J Pharm Pharmacol** 1981 Sep;33(9):607–10
Effects of angiotensin II on ionic fluxes in rat myometrium. Hamon G, et al. **J Pharmacol** 1982 Apr-Jun;13(2):329–40
Progesterone antagonizes the effects of estradiol in the fetal uterus of guinea pig. Sumida C, et al. **J Recept Res** 1981; 2(3):221–32
Biological activity and steroid receptor interactions of cyclofenil with the oestrogen target tissues of the brain, pituitary gland and uterus of the rat. Bowman SP, et al.
J Reprod Fertil 1982 Jul;65(2):355–66
Effects of nicotine on uterine blood flow and intrauterine oxygen tension in the rat. Hammer RE, et al.
J Reprod Fertil 1981 Sep;63(1):163–8
Effect of uterine distension and oestrogen treatment on gap junction formation in the myometrium of the rat. Wathes DC, et al. **J Reprod Fertil** 1982 Jul;65(2):497–505
Effects of estradiol-17 alpha on nuclear occupancy of the estrogen receptor, stimulation of nuclear type II sites and uterine growth. Clark JH, et al. **J Steroid Biochem** 1982 Feb;16(2):323–8
Tamoxifen antiestrogens. A comparison of the activity, pharmacokinetics, and metabolic activation of the cis and trans isomers of tamoxifen. Robertson DW, et al.
J Steroid Biochem 1982 Jan;16(1):1–13
Estradiol regulation of secretory component in the female reproductive tract. Sullivan DA, et al.
J Steroid Biochem 1981 Dec;15:439–44
Regulation of estrogen action in the uterus of the guinea-pig fetus. Sumida C, et al. **J Steroid Biochem** 1981 Dec; 15:137–43
Effect of polybrominated biphenyls on hepatic microsomal metabolism of estrogens and uterotropic action of administered estrogen in rats. Bonhaus DW, et al.
J Toxicol Environ Health 1981 Jul-Aug;8(1-2):141–50
A possible mechanism for relaxation of rat uterine smooth muscle by nicardipine hydrochloride (YC-93), a new potent vasodilator. Nishikori K, et al. **Jpn J Pharmacol** 1981 Oct;31(5):701–9
Oestrogen-induced increase in uterine cGMP content in vitro: effects of inhibitors of protein and RNA synthesis. Flandroy L, et al. **Mol Cell Endocrinol** 1982 Jan;25(1):49–54
Effect of bisenoic prostaglandins on the uterine vasculature of the nonpregnant sheep. Clark KE, et al.
Prostaglandins 1981 Sep;22(3):333–48
Estrogen induced changes in uterine sensitivity for the decidual cell reaction: interactions between prostaglandin E2 and histamine or bradykinin. Power SG, et al.
Prostaglandins 1982 Feb;23(2):219–26
[Changes in the amount of blood in the uterus and placenta in pregnant rats after the administration of prostaglandin F2 alpha (I)] Andreev Zh, et al. **Akush Ginekol (Sofiia)** 1981;20(6):425–8 (Eng. Abstr.) **(Bul)**
[Changes in the reactivity of the uterine musculature to oxytocin in endogenous inhibition of prostaglandin synthesis] Katsulov A, et al. **Akush Ginekol (Sofiia)** 1982; 21(1):1–5 (Eng. Abstr.) **(Bul)**
[Uterotonic action of extracts from a group of medicinal plants] Shipochliev T. **Vet Med Nauki** 1981;18(4):94–8 (Eng. Abstr.) **(Bul)**
[A preliminary study on the mechanism of uterine excitant

action of rivanol in guinea-pigs (author's transl)] **Liu WQ, et al. Yao Hsueh Hsueh Pao** 1982 Jan;17(1):58–60 (Eng. Abstr.) **(Chi)**

[Study of three biocides (dimethoate, parathion ethyl and zineb) on female rat neuro endocrinological balance (author's transl)] Bentue-Ferrer D, et al. **Toxicol Eur Res** 1981 Nov;3(6):279–83 (Eng. Abstr.) **(Fre)**

[Control of the puerperium in swine under extremely shortened nursing conditions. 2. Effects of nonsteroid cycle blockers and gonadotropin on uterine involution and reproduction of sows with extremely shortened nursing or no nursing] Rummer HJ, et al. **Arch Exp Veterinarmed** 1982 Jan;36(1):115–28 (Eng. Abstr.) **(Ger)**

[The efficacy of oral betamimetics using an oxytocin-stimulated puerperal model (author's transl)] Baumgarten K, et al. **Geburtshilfe Fraunheilkd** 1982 Feb; 42(2):103–14 (Eng. Abstr.) **(Ger)**

[Placental passage of intravenous narcotics and its effect on the uterus and fetus] Dick W. **Klin Anasthesiol Intensivther** 1981;23:244–57 **(Ger)**

[Activity of oxytocinase (cystine-aminopeptidase-CAP) in serum of pregnant women and uterus sensitivity to oxytocin and prostaglandin F2 alpha in cases of post-term birth (author's transl)] Urban J, et al. **Zentralbl Gynakol** 1982; 104(7):422–6 **(Ger)**

[15(S)15-methyl-PGF2 alpha and uterine motility in non-pregnant women. Experimental research in vitro (preliminary note)] Ragucci N, et al. **Arch Ostet Ginecol** 1981 Jan-Apr;86(1-2):87–102 (92 ref.) **(Ita)**

[Sodium phosphocreatine and the intestinal and uterine musculature. Research in vitro] Spaziante G, et al. **Arch Sci Med (Torino)** 1981 Jul-Sep;138(3):413–22 **(Ita)**

[Studies on the interaction of prolactin and estrogen in rabbit ovary and uterus (author's transl)] Ohno Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb;34(2):252–60 (Eng. Abstr.) **(Jpn)**

[Effect of ketamine (ketalar preparation) on myometrium reactivity to F-2 alpha prostaglandin in rats] Konopiński P, et al. **Ginekol Pol** 1981 Nov-Dec;52(11-12):969–72 (Eng. Abstr.) **(Pol)**

[Autoradiographic study of hormonal regulation of proliferating golden hamster uterus cells during postnatal ontogeny] Loktionov AS, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):359–61 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Stimulation of the incorporation of 3H-leucine into proteins by oestradiol in the foetal uterus of the guinea-pig. Sumida C, et al. **Experientia** 1981 Jul 15;37(7):782–3

Dynamic studies on estrogen response in fetal guinea pig uterus: effect of estradiol administration on estradiol receptor, progesterone receptor and uterine growth. Sumida C, et al. **J Recept Res** 1980;1(3):439–57

ENZYMOLOGY

Controlled intracellular proteolysis during postpartal involution of the uterus: characterization and regulation of an alkaline proteinase. Roth M, et al. **Acta Biol Med Ger** 1981;40(10–11):1357–63

Purification of rat uterine peroxidase. Olsen RL, et al. **Acta Chem Scand [B]** 1981;35(1):1–4

Distribution of oestrogen-induced peroxidase in the rat uterus. Affleck A, et al. **Acta Endocrinol (Copenh)** 1981 Dec;98(4):609–13

Lactate dehydrogenase isoenzymes in human myometrium during pregnancy and labor. Makkonen M, et al. **Acta Obstet Gynecol Scand** 1982;61(1):35–7

Protease and protease inhibitory activity in pregnant and postpartum involuting uterus. Milwidsky A, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):906–11

Foetotoxicity of cadmium in Quackenbush strain mice and the effects of the metal on uterine alkaline phosphatase during pseudopregnancy. Murdoch RN, et al. **Aust J Biol Sci** 1981;34(3):305–12

ATP-dependent enzyme activating hormone binding of estradiol receptor. Auricchio F, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1171–8

Enhanced gamma glutamyl transpeptidase activity in hat uterus following deciduoma induction and implantation. Tarachand U, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1152–7

Two-step affinity-chromatographic purification of cathepsin D from pig myometrium with high yield. Afting EG, et al. **Biochem J** 1981 Aug 1;197(2):519–22

Spectral properties of the oestrogen-induced rat uterus peroxidase II and some of its derivatives. Olsen RL, et al. **Biochem J** 1982 Jan 1;201(1):91–4

Evidence for convertible forms of soluble uterine cyclic nucleotide phosphodiesterase. Strada SJ, et al. **Biochim Biophys Acta** 1981 Sep 15;661(1):12–20

A comparison of the physicochemical properties of renins from the uterus and kidney of pregnant rabbit. Vallarino M, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):1–5

Localization of uterine peroxidase activity in estrogen-treated rats. King WJ, et al. **Biol Reprod** 1981 Nov;25(4):859–70

Uterine lysosomal cathepsin D activity, rate of synthesis, and immunohistochemical localization following initiation of decidualization in pseudopregnant rats. Moulton BC, et al. **Biol Reprod** 1981 Sep;25(2):393–8

Prostaglandin forming cyclooxygenase activity in rabbit amnion, yolksac splanchnopleure, placenta, decidua, and uterus at 20 to 30 days gestation. Noden PA, et al. **Biol Reprod** 1981 Jun;24(5):1042–7

Production of active and inactive renin by cultured explants from the human female genital tract. Warren AY, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):628–32

Further purification and properties of rat uterine peroxidase. Keeping HS, et al. **Can J Biochem** 1981 Nov-Dec; 59(11-12):916–20

Thallous ion activation of p-nitrophenylphosphatase of rat myometrium plasma membrane. Grover AK, et al. **Can J Physiol Pharmacol** 1981 Nov;59(11):1180–3

Agarose gel isoelectric focusing of creatine kinase (EC 2.7.3.2) isoenzymes from different human tissue extracts. Heinbokel N, et al. **Clin Chim Acta** 1982 Jun 16; 122(1):103–7

Effect of IUD on urokinase-like immunoreactivity and plasminogen activators in human uterine fluid. Casslén B, et al. **Contraception** 1981 Apr;23(4):435–45

Alpha-difluoromethylornithine as a postcoitally effective antifertility agent in female rats. Reddy PR, et al. **Contraception** 1981 Aug;24(2):215–21

Progesterone and estrogen control of the response of rat uterine lysosomal cathepsin D activity to a deciduogenic stimulus. Moulton BC. **Endocrinology** 1982 Apr; 110(4):1197–202

Peroxidase activity as a marker for estrogenicity: studies in uterus and mammary tumors. Levy J, et al. **Isr J Med Sci** 1981 Sep-Oct;17(9-10):970–5

Spectroscopic and kinetic properties of the estrogen-induced peroxidase in rat uterine fluid. Hosoya T, et al. **J Biochem (Tokyo)** 1981 May;89(5):1453–63

Purification and properties of an estrogen-stimulated hydrolase from mouse uterus. Finlay TH, et al. **J Biol Chem** 1982 Sep 25;257(18):10914–9

Adenylate cyclase activation. Characterization of guanyl nucleotide requirements by direct radioligand-binding methods. Krall JF, et al. **J Biol Chem** 1982 Sep 25; 257(18):10582–6

Oxytocin inhibition of (Ca2+ + Mg2+)-ATPase activity in rat myometrial plasma membranes. Sczloff MS, et al. **J Biol Chem** 1982 Sep 25;257(18):10687–93

Distribution of guaiacol peroxidase in human endometrium and endocervical epithelium during the menstrual cycle. Tsibris JC, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):991–7

Ultracytochemical localization of estrogen-stimulated guanylate cyclase in rat uterus. Kang YH, et al. **J Histochem Cytochem** 1982 Apr;30(4):331–42

Creatine kinase from the bovine myometrium: purification and characterization. Iyengar MR, et al. **J Muscle Res Cell Motil** 1982 Jun;3(2):231–46

In-vitro zona-lytic activity in uterine fluid from ovariectomized mice treated with oestradiol-17 beta and progesterone. Hoversland RC, et al. **J Reprod Fertil** 1982 Jan;64(1):223–6

Modulation of estrogen-induced peroxidase activity in the rat uterus by thyroid hormones. Keeping HS, et al. **J Steroid Biochem** 1982 Jan;16(1):45–9

17 beta-hydroxysteroid dehydrogenase activity in cultured myometrial cells: effect of serial subcultures. Vallet-Strouve C, et al. **J Steroid Biochem** 1982 Jul; 17(1):95–100

Effects of hydroxytamoxifen and tamoxifen on peroxidase activity in the immature rat uterus. Vass MA, et al. **J Steroid Biochem** 1982 Jan;16(1):125–7

The relationship between the carbachol stimulatory effect on cyclic GMP content and activation by fatty acid hydroperoxides of a soluble guanylate cyclase in the guinea pig myometrium. Leiber D, et al. **Mol Pharmacol** 1982 May; 21(3):654–63

LDH activity in the pregnant uterus of the rat subjected to hypergravitational conditions (2 g). Ranga V, et al. **Physiologie** 1982 Apr-Jun;19(2):107–9

Phosphorylation of membrane proteins by protein kinase in a smooth muscle plasma membrane fraction. Krall JF, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):245–50

An inverse linear correlation between uterine and ovarian levels of ornithine decarboxylase and S-adenosylmethionine decarboxylase in the rat. Nawata H, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):563–6

Immunohistochemical localisation of cyclooxygenase in the human uterus. Rees MC, et al. **Prostaglandins** 1982 Feb; 23(2):207–14

Phospholipase A2 activity in the rat uterus during early pregnancy. Cox C, et al. **Prostaglandins Leukotrienes Med** 1982 Apr;8(4):375–81

Formation of arachidonate lipoxygenase metabolites by human fetal membranes, uterine decidua vera and placenta. Saeed SA, et al. **Prostaglandins Leukotrienes Med** 1982 Jun; 8(6):635–40

The effect of progesterone on RNA polymerases in the rat uterus. Kurl RN, et al. **Steroids** 1981 Nov;38(5):511–21

[Energy metabolism in pregnant and non-pregnant myometrium] Herrmann U Jr, et al. **Schweiz Z Sportmed** 1981 Jun;29(2):53–9 (Eng. Abstr.) **(Ger)**

[Effect of pregnancy and local effect of implantation on thymidine kinase and estrogen receptor in rat uterus (author's transl)] Sakamoto S, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Nov 20; 57(11):1616–21 (Eng. Abstr.) **(Jpn)**

[Studies on prolyl hydroxylase activity, hydroxyproline content and solubility of collagen in the human uterus during pregnancy, delivery and postpartum involution (author's transl)] Yamamoto S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1703–10 (Eng. Abstr.) **(Jpn)**

[Myometrial histochemical study of parturients with primary atomic labor] Kuc A, et al. **Akush Ginekol (Mosk)** 1981 May;(5):36–7 **(Rus)**

[ATP-dependent Ca2+-uptake by the plasma membrane fraction of the myometrium] Kurskii MD, et al. **Biokhimiia** 1981 Aug;46(8):1435–44 (Eng. Abstr.) **(Rus)**

[Properties of adenylate cyclase of plasma membrane from the rabbit myometrium] Slinchenko NN, et al. **Ukr Biokhim Zh** 1982 May-Jun;54(3):259–63 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Uterine and placental growth: RNA and protein metabolism and steroid hormone receptor levels in the endometrium, whole uterus and cotyledons during pregnancy in the ewe. Miller BG, et al. **Aust J Biol Sci** 1981;34(2):231–7

Decrease in rat uterine estrogen receptors during aging: physio- and immunochemical properties. Gesell MS, et al. **Endocrinology** 1981 Nov;109(5):1502–8

Hormonal control of uterine growth: temporal relationships between estrogen administration and deoxyribonucleic acid synthesis. Mukku VR, et al. **Endocrinology** 1982 Aug; 111(2):480–7

A comparison of estrogen effects on uterine and pituitary growth and prolactin synthesis in F344 and Holtzman rats. Wiklund J, et al. **Endocrinology** 1981 Nov;109(5):1700–7

IMMUNOLOGY

Effect of estradiol and progesterone on the secretory immune system in the female genital tract. Wira CR, et al. **Adv Exp Med Biol** 1981;138:99–111

On the lymphocyte activation during allogeneic pregnancy in rats (Rattus norvegicus). Shivatcheva T, et al. **Anat Histol Embryol** 1982 Mar;11(1):85–90

Immunoglobulins in the mouse uterus before implantation. Bernard O, et al. **J Reprod Fertil** 1981 Sep;63(1):237–40

[Immunoglobulins of the vagina, cervical mucus and uterus] Koper R. **Ginekol Pol** 1981 Oct;52(10):941–45 (21 ref.) (Eng. Abstr.) **(Pol)**

INNERVATION

On the VIP-ergic innervation of the uterotubal junction. Ström C, et al. **Acta Physiol Scand** 1981 Feb;111(2):213–5

Pregnancy induces degenerative and regenerative changes in the autonomic innervation of the female reproductive tract. Owman C. **Ciba Found Symp** 1980 Oct;(83):252–79

Pregnancy is associated with extensive adrenergic nerve degeneration in the uterus. An electronmicroscopic study in the guinea-pig. Sporrong B, et al. **Neuroscience** 1981; 6(6):1119–26

METABOLISM

Local placental influence on the uterine concentration of oestradiol-17 beta and progesterone in the pregnant guinea-pig. Batra S, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):302–7

Distribution of prostaglandin E2 and prostaglandin F2 alpha receptors in human myometrium. Bauknecht T, et al. **Acta Endocrinol (Copenh)** 1981 Nov;98(3):446–50

Comparative response to oestradiol in the synthesis of the progesterone receptor in the maternal and foetal uterus of guinea pig and rabbit at the end of gestation. Laure F, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):126–32

In vitro inactivation of the oestradiol receptor by a lysosome-enriched fraction from rat uterus. Pino AM, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):295–301

Effect of insulin and epinephrine on some early oestrogenic responses in the rat uterus. Steinsapir J, et al. **Acta Endocrinol (Copenh)** 1982 Feb;99(2):263–71

Uterine progesterone levels and intrauterine pressure in ovariectomized post partum rats. Herczeg J. **Acta Physiol Acad Sci Hung** 1981;58(2):147–55

The nature of transmembrane calcium exchange in the rabbit uterus. Rubányi G, et al. **Acta Physiol Acad Sci Hung** 1980; 56(4):393–400

Effect of hysterectomy on the postpartum prostaglandin levels in the cow. Lindell JO, et al. **Acta Vet Scand** 1982; 23(1):144–6

Prostaglandin production by the uterus during early pregnancy. Poyser NL. **Acta Vet Scand [Suppl]** 1981; 77:241–9 (54 ref.)

Ovarian and uterine lipids of rats administered excess vitamin A. Rao DN, et al. **Acta Vitaminol Enzymol** 1981;3(1):3–7

Human myometrial adrenergic receptors: identification of the beta-adrenergic receptor by [3H]dihydroalprenolol binding. Hayashida DN, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):389–93

Biochemistry and pharmacology of the myometrium and labor: regulation at the cellular and molecular levels. Huszar G, et al. **Am J Obstet Gynecol** 1982 Jan 15; 142(2):225–37 (62 ref.)

Vasoactive intestinal polypeptide and the female genital tract:

relationship to reproductive phase and delivery. Ottesen B, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):414–20
Comparison of estrogen receptors in human premenopausal and postmenopausal uteri: indication of biologically inactive receptor in postmenopausal uteri. Strathy JH, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):372–82
Ca2+ dependence of calcium uptake by rat myometrium plasma membrane-enriched fraction. Grover AK, et al. **Am J Physiol** 1982 May;242(5):C278–82
Theophylline-estrogen interaction in the rat uterus: role of the ovary. Steinsapir J, et al. **Am J Physiol** 1982 Feb; 242(2):E121–6
Distribution of oxytetracycline in the genital tract of cows. Bretzlaff KN, et al. **Am J Vet Res** 1982 Jan;43(1):12–6
Filter assay method for the estrogen receptor protein: detection of both filled and unfilled estrogen binding sites. Cousens L, et al. **Anal Biochem** 1982 Mar 15;121(1):39–48
Prostaglandin E2 receptor in the myometrium: distribution in subcellular fractions. Carsten ME, et al. **Arch Biochem Biophys** 1981 Dec;212(2):700–4
Zinc and magnesium in the uterus of the pregnant and pseudopregnant mouse and the effects of Mg2+ ions on uterine alkaline phosphatase. Buxton LE, et al. **Aust J Biol Sci** 1981;34(2):211–20
Evidence that in vivo estradiol receptor translocated into nuclei is dephosphorylated and released into cytoplasm. Auricchio F, et al. **Biochem Biophys Res Commun** 1982 May 14;106(1):149–57
Calcium uptake by enzyme-treated permeabilized myometrial cells. Batra S. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1646–50
Thermal inactivation and molecular forms of the estrogen receptor: effects of molybdate. Joab I, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):505–10
Progesterone-induced inactivation of nuclear estrogen receptor in the hamster uterus is mediated by acid phosphatase. MacDonald RG, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):570–6
An estrogen-stimulated 1,25-dihydroxyvitamin D3 receptor in rat uterus. Walters MR. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):721–6
Inactivation of oestrogen receptor in vitro by nuclear dephosphorylation. Auricchio F, et al. **Biochem J** 1981 Feb 15;194(2):569–74
Dephosphorylation of oestradiol nuclear receptor in vitro. A hypothesis on the mechanism of action of non-steroidal anti-oestrogens. Auricchio F, et al. **Biochem J** 1981 Sep 15;198(3):699–702
The binding of rat uterine cytosol oestrogen receptors to oligodeoxythymidylate—cellulose. Its relationship to a stable form of receptor complex with separate ligand- and oligonucleotide-binding sites. Myatt L, et al. **Biochem J** 1982 Jan 15;202(1):203–9
The binding of [3H]oestradiol-receptor complexes to calf uterine chromatin. Ruh TS, et al. **Biochem J** 1981 Oct 15; 200(1):133–42
Nuclear association states of rat uterine oestrogen receptors as probed by nuclease digestion. Schoenberg DR, et al. **Biochem J** 1981 May 15;196(2):423–32
The unoccupied nuclear oestradiol receptor in the rat uterus and hypothalamus during the oestrous cycle. Thrower S, et al. **Biochem J** 1981 Mar 15;194(3):667–71
The nuclear oestrogen receptor in the female rat. Effects of oestradiol administration during the oestrous cycle on the uterus and contrasting effects of progesterone on the uterus and hypothalamus. Thrower S, et al. **Biochem J** 1981 Aug 15;198(2):385–9
The relationship of the oestrogen and progestin receptors in the abnormal uterus of the adult anovulatory rat. Effects of neonatal treatment with testosterone propionate or clomiphene citrate. White JO, et al. **Biochem J** 1981 May 15;196(2):557–65
Estrogenic activities on methoxychlor metabolites. Ousterhout J, et al. **Biochem Pharmacol** 1981 Oct; 30(20):2869–71
Molybdate interaction with the estrogen receptor: effects on estradiol binding and receptor activation. Mauck LA, et al. **Biochemistry** 1982 Apr 13;21(8):1788–93
Purification of a human progesterone receptor. Smith RG, et al. **Biochemistry** 1981 Sep 15;20(19):5557–65
Properties of estradiol binding components in hamster uterine nuclei. Okulicz WC, et al. **Biochim Biophys Acta** 1981 Oct 12;677(2):253–6
Thromboxane B2, 6-keto-prostaglandin F1 alpha, and prostaglandin F2 alpha production by contracting pregnant rate uteri in vitro. Dubin NH, et al. **Biol Reprod** 1982 Mar; 26(2):281–8
Relaxin receptors in the myometrium and cervix of the pig. Mercado-Simmen RC, et al. **Biol Reprod** 1982 Feb; 26(1):120–8
Effects of estradiol on the acetylation of histones in the fetal uterus of the guinea pig. Pasqualini JR, et al. **Biol Reprod** 1981 Dec;25(5):1035–9
Metabolism of [3H]noradrenaline by the isolated rat uterus. Fernández-Pardal J, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1245–9
Heterogeneity of binding sites for tamoxifen and tamoxifen derivatives in estrogen target and nontarget fetal organs of guinea pig. Gulino A, et al. **Cancer Res** 1982 May; 42(5):1913–21
Localization of 3H-estradiol in the uterus of pregnant and non-pregnant armadillos. Weaker FJ, et al. **Cell Tissue Res** 1981;220(4):773–80
Metabolism of 2,4'5-trichlorobiphenyl: enrichment of hydroxylated and methyl sulphone metabolites in the uterine luminal fluid of pregnant mice. Brandt I, et al. **Chem Biol Interact** 1982 May;40(1):45–56
Comparison of plasma and myometrial tissue concentrations of estradiol-17 beta and progesterone in nonpregnant women. Akerlund M, et al. **Contraception** 1981 Apr; 23(4):447–55
Fibrinolytic activity of uterine fluid in oral contraceptive users. Casslén B. **Contraception** 1982 May;25(5):515–21
Cyclic variation of proteinase inhibitors in human uterine fluid and influence of an IUD. Casslén B, et al. **Contraception** 1981 Apr;23(4):425–34
Effect of relaxin on bound cAMP in rat uterus. Sanborn BM, et al. **Endocr Res Commun** 1981;8(3):179–92
Effect of incubation with NADPH generator on progesterone bound to nuclei of the rat uterus. Morioka H, et al. **Endocrinol Jpn** 1982 Feb;29(1):31–40
Estrogen receptor and stimulation of uterine protein synthesis in ovariectomized diabetic rats infused intravenously with 17 beta-estradiol. De Hertogh R, et al. **Endocrinology** 1982 Mar;110(3):741–8
Short term nuclear retention and early cytosol replenishment of estradiol receptors in uteri of ovariectomized diabetic rats after intraperitoneal injection of 17 beta-estradiol: evidence for decreased hormonal activity on protein synthesis. Ekka E, et al. **Endocrinology** 1982 Aug; 111(2):456–61
Uterine prostaglandin concentrations in sheep during late pregnancy and adrenocorticotropin-induced labor. Evans CA, et al. **Endocrinology** 1981 Nov;109(5):1533–8
Effect of antibodies to estrogen receptor on the binding of 3H-labeled antiestrogens and androstanediol in the uterus. Garcia M, et al. **Endocrinology** 1982 Apr;110(4):1355–61
Immunorecognition of cytosol and nuclear estradiol receptor of fetal guinea pig uterus using monoclonal antibody. Giambiagi N, et al. **Endocrinology** 1982 Mar;110(3):1067–9
Effect of pyridoxal 5'-phosphate on oligodeoxynucleotide binding of mouse uterine cytosol estradiol-receptor complexes. Henrikson KP, et al. **Endocrinology** 1981 Oct; 109(4):1196–202
Estrogenic potency, receptor interactions, and metabolism of catechol estrogens in the immature rat uterus in vitro. Hersey RM, et al. **Endocrinology** 1982 Sep;111(3):896–903
Differential stimulation by 17 beta-estradiol and synthetic estrogens of progesterone-receptor and of translocation of estrogen-receptor in rat pituitary and uterus. Leibl H, et al. **Endocrinology** 1982 Jan;110(1):265–71
Progesterone metabolism by the hypothalamus, pituitary, and uterus of the aged rat. Marrone BL, et al. **Endocrinology** 1982 Jul;111(1):162–7
Relaxin receptor in the rat myometrium: regulation by estrogen and relaxin. Mercado-Simmen RC, et al. **Endocrinology** 1982 Jan;110(1):220–6
A modulator which converts activated estrogen receptor to a biologically inactive aggregated form. Nishizawa Y, et al. **Endocrinology** 1981 Nov;109(5):1463–72
Progesterone-induced estrogen receptor-regulatory factor in hamster uterine nuclei: preliminary characterization in a cell-free system. Okulicz WC, et al. **Endocrinology** 1981 Dec;109(6):2273–5
Receptors for vasoactive intestinal polypeptide on crude smooth muscle membranes from porcine uterus. Ottesen B, et al. **Endocrinology** 1982 Jun;110(6):2037–43
The effect of prostaglandins on progestin receptor translocation and on decidual cell reaction in vivo and in vitro. Peleg S, et al. **Endocrinology** 1982 May; 110(5):1647–52
Estrogen action in the mouse uterus: adrenal modulation of receptor levels. Quarmby VE, et al. **Endocrinology** 1982 Apr;110(4):1208–16
Tamoxifen aziridines: effective inactivators of the estrogen receptor. Robertson DW, et al. **Endocrinology** 1981 Oct; 109(4):1298–300
Seral, uterine and fetal salicylate concentrations after oral administration. Grönroos M, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):167–70
Agonist-induced desensitization of beta-adrenergic receptors in rat myometrium. Tanfin-Tougui Z, et al. **FEBS Lett** 1981 Nov 30;135(1):31–7
A comparison of the effects of oestrogen and tamoxifen on the synthesis of uterine high molecular mass RNA. Waters AP, et al. **FEBS Lett** 1981 Jun 29;129(1):17–20
Nuclear uptake of radioactivity by cells of pituitary, brain, uterus, and vagina of the Asian musk shrew (Suncus murinus) following [3H] estradiol administration. Keefer DA, et al. **Gen Comp Endocrinol** 1982 May;47(1):125–30
Dynamics of in situ estrogen uptake by nuclei of individual pituitary and uterine cell types. Keefer DA. **Horm Metab Res** 1982 Apr;14(4):209–12
Estrogen and progestogen binding in the myometrium of the ewe. I. During the estrous cycle. Rexroad CE Jr. **J Anim Sci** 1981 Oct;53(4):1057–69
Synthesis of a specific protein induced by zearalenone and its derivatives in rat uterus. Kawabata Y, et al. **J Biochem (Tokyo)** 1982 Mar;91(3):801–8
Immobilized oligodeoxynucleotides as probes of the DNA-binding sites of mouse steroid holoreceptors. Gross SC, et al. **J Biol Chem** 1982 May 10;257(9):4738–45
Reduced sulfhydryl groups are required for activation of uterine progesterone receptor. Possible involvement of an inhibitor of activation. MacDonald RG, et al. **J Biol Chem** 1982 Jan 10;257(1):311–5
Metabolism of collagen types I, III, and V in the estradiol-stimulated uterus. Mandell MS, et al. **J Biol Chem** 1982 May 10;257(9):5268–73
Estradiol fatty acid esters. The isolation and identification of the lipoidal derivative of estradiol synthesized in the bovine uterus. Mellon-Nussbaum SH, et al. **J Biol Chem** 1982 May 25;257(10):5678–84
Reversible inhibition of estrogen receptor activation by molybdate. Müller RE, et al. **J Biol Chem** 1982 Feb 10; 257(3):1295–300
Calf uterine estradiol receptor. Effects of molybdate on salt-induced transformation process and characterization of a nontransformed receptor state. Redeuilh G, et al. **J Biol Chem** 1981 Nov 25;256(22):11496–502
Mosaic structure and mRNA precursors of uteroglobin, a hormone-regulated mammalian gene. Snead R, et al. **J Biol Chem** 1981 Nov 25;256(22):11911–6
Reduction of testosterone to 5 alpha-dihydrotestosterone by human and rat uterine tissues. Rose LI, et al. **J Clin Endocrinol Metab** 1978 May;46(5):766–9
Biochemical studies of intrauterine components of the tammar wallaby Macropus eugenii during pregnancy. Thornber EJ, et al. **J Embryol Exp Morphol** 1981 Apr; 62:325–38
Hypothalamic, pituitary and uterine cytoplasmic and nuclear oestrogen receptors and their relationship to the serum concentration of tamoxifen and its metabolite, 4-hydroxytamoxifen, in the ovariectomized rat. Bowman SP, et al. **J Endocrinol** 1982 Aug;94(2):167–75
Uterine oestrogen and progesterone receptors in the ovariectomized rat. Manni A, et al. **J Endocrinol** 1981 Nov; 91(2):281–7
A high-affinity binding site for the antioestrogens, tamoxifen and CI 628, in immature rat uterine cytosol which is distinct from the oestrogen receptor. Murphy LC, et al. **J Endocrinol** 1981 Oct;91(1):155–61
Characterization and properties of a progesterone receptor in the uterus of the quokka (Setonix brachyurus). Owen FJ, et al. **J Endocrinol** 1982 Apr;93(1):17–24
In-vitro uptake and metabolism of [3H] corticosterone by mammary glands from pregnant, lactating, and post-lactational rats and by parametrial adipose tissue from lactating rats. Pearlman WH, et al. **J Endocrinol** 1981 Oct; 91(1):81–8
Identification of arachidonic acid metabolites extracted from human uterus, and their effects on the isolated myometrium. Sanger GJ, et al. **J Pharm Pharmacol** 1981 Sep;33(9):607–10
Glucocorticoid receptors: documentation in the rat uterus. Panko WB, et al. **J Recept Res** 1981;2(1):29–45
Receptor and biological response to estriol in the fetal uterus of guinea pig. Pasqualini JR, et al. **J Recept Res** 1980; 1(2):261–75
Uterine blood flow and uterine arterial, venous and luminal concentrations of oestrogens on days 11, 13 and 15 after oestrus in pregnant and non-pregnant sows. Ford SP, et al. **J Reprod Fertil** 1982 Jan;64(1):185–90
In-vitro binding of prostaglandin F-2 alpha to uterine luminal proteins of pregnant and non-pregnant ewes. Pope WF, et al. **J Reprod Fertil** 1981 Sep;63(1):211–3
In vivo and in vitro metabolism of estrone and estradiol-17 beta and their 3-sulfates in pregnant female guinea pigs: a plausible prehormone role of estrogen-sulfates in the maternal uterus. Adessi GL, et al. **J Steroid Biochem** 1982 Jan;16(1):107–16
Estrogen binding in target tissues; a GC/MS method for assessing uptake, retention and processing of estrogens in target cell nuclei under in vivo conditions. Axelson M, et al. **J Steroid Biochem** 1981 Dec;14(12):1253–60
Progesterone nuclear receptor levels in rat uterine myometrium during early pregnancy. Chikusu PM, et al. **J Steroid Biochem** 1982 Mar;16(3):489–92
Binding and biological responses of antiestrogens in the fetal and newborn uteri of guinea-pig. Gulino A, et al. **J Steroid Biochem** 1981 Dec;15:361–7
Estrogen responsive creatine kinase in normal and neoplastic cells. Kaye AM, et al. **J Steroid Biochem** 1981 Dec;15:69–75
A comparison of the effects of 4-catechol oestrogens and 2-pyrogallol oestrogens on prostaglandin synthesis by the rat and human uterus. Kelly RW, et al. **J Steroid Biochem** 1981 Aug;14(8):787–91
Ultrastructural localization of alpha-fetoprotein in the immature rat uterus with use of the immunoperoxidase technique. Laliberte F, et al. **J Steroid Biochem** 1981 Oct; 14(10):1029–34
Salt-induced transformation of the human myometrial estrogen receptor. Lukola A, et al. **J Steroid Biochem** 1981 Dec;14(12):1241–7
Ribonuclease and ribonuclease inhibitor activity in the uteri of immature rats. McGregor CW, et al. **J Steroid Biochem** 1981 May;14(5):415–9
Purificaton of rabbit uterine cytosolic estrogen receptors by affinity chromatography. Madhok TC, et al. **J Steroid Biochem** 1981 Dec;15:299–305
Quantitation of nuclear-estrogen receptors in the rat uterus by [3H]-estradiol exchange. Markaverich BM, et al. **J Steroid Biochem** 1981 Dec;15:289–92
The postnatal ontogeny of the rat uterine estrogen receptor. Medlock KL, et al. **J Steroid Biochem** 1981 Dec;15:285–8
Effect of sodium molybdate on cytosolic estrogen receptor. Moncharmont B, et al. **J Steroid Biochem** 1982 Mar;

16(3):361–8
Changing levels of ribonuclease and ribonuclease inhibitor in the uterus of the developing rat. Munro J, et al. **J Steroid Biochem** 1982 Feb;16(2):293–5
Structural similarity of molybdate-stabilized steroid receptors in human breast tumors, uteri and leukocytes. Niu EM, et al. **J Steroid Biochem** 1981 Dec;15:1–10
Interaction of calf uterus estradiol receptor with erythrocyte cytoskeleton. Puca GA, et al. **J Steroid Biochem** 1981 Dec; 15:307–12
Subcellular metabolism of [3H]-oestrone sulphate in human gestational myometrium. Trolp R, et al. **J Steroid Biochem** 1982 Apr;16(4):563–6
Binding characteristics of 5-androstene-3 beta, 17 beta-diol and estradiol-17 beta to the cytoplasmic estrogen receptor of the immature rat uterus. Van Doorn LG, et al. **J Steroid Biochem** 1982 May;16(5):661–71
Screening of anti-progestins using in vitro human uterine progesterone receptor assay system. Verma U, et al. **J Steroid Biochem** 1981 Aug;14(8):733–40
Regulation of the peptide elongation reaction on uterine ribosomes by estrogens. Whelly SM, et al. **J Steroid Biochem** 1982 Apr;16(4):495–501
Effects of estrogen and progesterone on adrenoceptors and cyclic nucleotides in rat uterus. Kano T. **Jpn J Pharmacol** 1982 Jun;32(3):535–49
Possible mechanisms of stimulatory action of papaverine on calcium-uptake by rat uterine microsomal fraction. Koike K, et al. **Jpn J Pharmacol** 1981 Oct;31(5):757–62
Progesterone receptors in human oestrogen target tissues. van Haaften M, et al. **Maturitas** 1982 Apr;4(1):57–66
Nafoxidine-responsive uterine protein: further characterization and distinction from the 'estrogen-induced' protein (IP). Mairesse N, et al. **Mol Cell Endocrinol** 1981 Oct;24(1):53–63
beta-Diethylaminoethyl-2, 2-diphenylpentanoate (SKF 525-A)-mediated translocation of uterine estrogen receptor from the cytosolic to the nuclear compartment in isolated rat uteri. Bulger WH, et al. **Mol Pharmacol** 1982 May; 21(3):533–7
Regulation of myometrial adrenoreceptors and adrenergic response by sex steroids. Roberts JM, et al. **Mol Pharmacol** 1981 Jul;20(1):52–8
A gas chromatographic micromethod used for detection of ethanol in some biological fluids. Daradics L, et al. **Morphol Embryol (Bucur)** 1981 Oct-Dec;27(4):299–302
The presence of ethanol in the oviductal and uterine luminal fluids of alcoholized rats. Sandor S, et al. **Morphol Embryol (Bucur)** 1981 Oct-Dec;27(4):303–9
Defective estrogen receptor in uteri of rats treated neonatally with a high dose of estrogen. Takano N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Mar;34(3):391–5
Cefoxitin serum and uterine concentrations following a two-gram intramuscular dose. Hemsell DL, et al. **Obstet Gynecol** 1982 Feb;59(2):149–52
The spontaneous motility and the prostaglandin E-like material generation is different in the implantation and in the non-implantation regions of the uterus isolated from rats in natural estrus. Influences of indomethacin. Gimeno AL, et al. **Pharmacol Res Commun** 1981 Jul;13(7):679–94
Positive cooperativity of the estrogen receptor. Notides AC, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4926–30
Effect of corticosterone, hydrocortisone and prostaglandin fatty acid precursors on the spontaneous motility of the uterus isolated from ovariectomized rats. Bonacossa A, et al. **Prostaglandins** 1982 Jan;23(1):113–28
Spontaneous motility and prostaglandin generation in rat uterine horns isolated during the estrous cycle. Franchi AM, et al. **Prostaglandins** 1981 Oct;22(4):637–42
Prostaglandin biosynthesis by the rat uterus during the oestrus cycle, temporal correlation with plasma oestradiol and progesterone concentrations, identification of 6 keto PGF1 alpha as the major metabolite. Thaler-Dao H, et al. **Prostaglandins** 1982 Mar;23(3):347–59
Prostacyclin from the uterus and woman's cardiovascular advantage. Shelton JD. **Prostaglandins Leukotrienes Med** 1982 May;8(5):459–66 (34 ref.)
In vitro production of prostaglandins E, F, and 6-keto prostaglandin F1 alpha by human pregnant uterus, decidua and amnion. Satoh K, et al. **Prostaglandins Med** 1981 Apr; 6(4):359–68
Progesterone regulation of the occupied form of nuclear estrogen receptor. Okulicz WC, et al. **Science** 1981 Sep 25;213(4515):1503–5
The synthesis and study of some potential affinity labeling reagents for estrogen receptors. Ratajczak T, et al. **Steroids** 1981 Nov;38(5):537–55
[The absorption of antimicrobial substances from the uterus of the cow] Immelman A. **J S Afr Vet Assoc** 1981 Sep; 52(3):229–31 (16 ref.) (Eng. Abstr.) **(Afr)**
[In vitro production of prostaglandins by the uterine and ovarian tissues of pseudopregnant rabbits in luteolysis and mechanism of luteolysis induced by PGF2 alpha (author's transl)] Kawai Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Jun;34(6):667–76 (Eng. Abstr.) **(Jpn)**
[Studies on the levels of pO2 and pCO2 in the uterine cavity and uterine tissue (author's transl)] Kigawa J. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Oct; 33(10):1646–54 (Eng. Abstr.) **(Jpn)**
[Presence of estrogen-binding systems in the plasma membranes of rat uterus cells] Sergeev PV, et al. **Farmakol Toksikol** 1981 Jul-Aug;44(4):429–32 (Eng. Abstr.) **(Rus)**
[Specificity characteristics of estrogen interaction with the cytoplasmic receptors of the uterus and oviducts in green monkeys (Cercopithecus griseus)] Fanchenko ND, et al. **Vopr Med Khim** 1982 Jul-Aug;28(4):56–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Infertility and uterine colonization with Ureaplasma urealyticum. Stray-Pedersen B, et al. **Acta Obstet Gynecol Scand** 1982;61(1):21–4
Virologic study of the reproductive tract in dairy cows. Manspeaker JE, et al. **Am J Vet Res** 1982 Jun;43(6):1087–8
Expression of oncornaviral RNA in mouse uterus during pregnancy. Saviolakis GA, et al. **Biol Reprod** 1982 Jun; 26(5):806–12
Microbial presence in the uterine cavity as affected by varieties of intrauterine contraceptive devices. Skangalis M, et al. **Fertil Steril** 1982 Feb;37(2):263–9
Coccidioidomycosis in a neonate; maternal-infant transmission. Bernstein DI, et al. **J Pediatr** 1981 Nov; 99(5):752–4

PATHOLOGY

Reproductive tract abnormalities in rats treated neonatally with DES. Ennis BW, et al. **Am J Anat** 1982 Jun; 164(2):145–54
Progesterone therapy results in partial reversibility of uterine abnormalities of the adult anovulatory rat. White JO, et al. **Biochem J** 1982 Feb 15;202(2):535–41
Placenta percreta, with spontaneous rupture of the uterus before labour and a uterine cornual ring: a case report. Ojwang SB, et al. **East Afr Med J** 1981 Nov;58(11):886–9
Contact hysteroscopy in the diagnosis of endometrial carcinoma. Valente S, et al. **Eur J Gynaec Oncol** 1981 Jan; 2(1):22–3
Spontaneous hyperplastic and neoplastic lesions of the uterus in mice. Reuber MD, et al. **J Gerontol** 1981 Nov; 36(6):663–73
Spontaneous occurrence of atypical hyperplasia and adenocarcinoma of the uterus in androgen-sterilized SD rats. Morikawa S, et al. **JNCI** 1982 Jul;69(1):95–101
The induction of adenomyosis in mice by intrauterine pituitary isografts. Mori T, et al. **Life Sci** 1981 Sep 21; 29(12):1277–82
Treatment of ectopium with low-output He-Ne laser. Kovács L, et al. **Neoplasma** 1981;28(3):351–4
[Bacterial contamination, clinical and pathohistological findings in the sex organs of cows following parturition] Radoslavov V, et al. **Vet Med Nauki** 1982;19(2):76–83 (Eng. Abstr.) **(Bul)**
[Clinical practice of hysteroscopy (analysis of 400 cases) (author's transl)] Feng DG. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):84–6 **(Chi)**
[The position of the uterus in vivo (author's transl)] Bernaschek G. **Wien Klin Wochenschr** 1982 Mar 5; 94(5):124–7 (Eng. Abstr.) **(Ger)**
[Clinical significance of uterine body invasion in uterine cervical cancer (author's transl)] Noguchi H, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Dec 20;16(7):1358–64 (Eng. Abstr.) **(Jpn)**
[Over diagnosis of the biopsy: from the analysis of the extirpated uterus after radical hysterectomy (author's transl)] Matsuyama T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1982 Feb; 34(2):196–202 (Eng. Abstr.) **(Jpn)**
[Histological and bacteriological examination of uterus from the repeat breeder gilt and sow (author's transl)] Karlberg K, et al. **Nord Vet Med** 1981 Jun-Aug;33(6-8):359–65 (Eng. Abstr.) **(Nor)**
[Study of the normal myometrium and one with neoplastic changes using nuclear magnetic resonance] Adamski J, et al. **Ginekol Pol** 1981 Jan;52(1):73–7 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

Uterine tonicity in proliferative and secretory phases of the menstrual cycle. Lalos O, et al. **Acta Obstet Gynecol Scand** 1981;60(5):441–5
Functional pharmacological and morphological characteristics of two regions of rat uterine horns. Borda ES, et al. **Acta Physiol Lat Am** 1978;28(6):223–33
An adrenergic mechanism subserves the negative influence of pyruvate on the oxytocin-induced functional activity of isolated rat uterus. Goldraij A, et al. **Acta Physiol Lat Am** 1980;30(2):137–40
Local versus systemic uteroovarian relationships in farm animals. Ginther OJ. **Acta Vet Scand [Suppl]** 1981;77:103–15
Morphodynamics of outgrowths of mouse trophoblast in the presence and absence of a monolayer of uterine epithelium. Van Blerkom J, et al. **Am J Anat** 1981 Oct;162(2):143–55
Electromyographic activity of the nonpregnant and pregnant sheep uterus. Harding R, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):448–57
Estradiol binding in the cytosol and nuclear pellet of electrolytically treated rat uteri. Fishman JH. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):475–82
Effects of the estrous cycle and early pregnancy on bovine uterine, luteal, and follicular responses. Bartol FF, et al. **Biol Reprod** 1981 Nov;25(4):759–76
Effect of indomethacin on the interestrous interval of intact and hysterectomized pseudopregnant mice. Critser ES, et al. **Biol Reprod** 1981 Jun;24(5):1000–5
Estrogen, progesterone, and the blood-uterine lumen permeability barrier in rats. McRae AC, et al. **Biol Reprod** 1981 Sep;25(2):314–20
Effects of ovarian hormones on endocytosis at the basal membranes of rat uterine epithelial cells. Parr MB. **Biol Reprod** 1982 Jun;26(5):909–13
The aging uterus and the role of edema in endometrial function. Sorger T, et al. **Biol Reprod** 1981 Jun; 24(5):1135–44
Normal postpartum involution of the uterus in the dog. Al-Bassam MA, et al. **Can J Comp Med** 1981 Jul; 45(3):217–32
Influence of copper ions on uterine activity. Laundański T, et al. **Contraception** 1981 Aug;24(2):195–202
Uterine hydrogen peroxide concentrations and peroxidase activities in the estrous cycle and perimaturation period of mice. Katz J, et al. **Endocr Res Commun** 1982;9(1):47–54
Effects of nafoxidine on the luteinizing hormone surge: temporal distribution of estrogen receptors and induction of cytoplasmic progestin receptors in the hypothalamus-preoptic area, pituitary, and uterus of the immature rat. Attardi B, et al. **Endocrinology** 1981 Nov; 109(5):1365–74
The imprint provided by cervical stimulation for the initiation and maintenance of daily prolactin surges: modulation by the uterus and ovaries. Gorospe WC, et al. **Endocrinology** 1982 Jun;110(6):1866–70
Acute antiprogestational action of estradiol in the rabbit uterus. Kopu HT, et al. **Endocrinology** 1981 Nov; 109(5):1479–83
Stimulatory and inhibitory effects of estrogen and antiestrogen on uterine cell division. Mukku VR, et al. **Endocrinology** 1981 Oct;109(4):1005–10
Effects of thyroid hormone on some uterine responses to estrogen. Steinsapir J, et al. **Endocrinology** 1982 May; 110(5):1773–9
Oestrogenic activity of cyproterone acetate in female mice. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):21–7
The effects of Danazol on the female genital tract of the rat. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):41–6
Are prostaglandins involved in early estrogen action? Soto-Feine N, et al. **Experientia** 1981 Dec 15;37(12):1351–2
Dissociation of separate mechanisms of estrogen action by actinomycin D. Tchernitchin AN, et al. **Experientia** 1982 Apr 15;38(4):511–3
Fertility and ovum transport after microsurgical removal of the uterotubal junction in rabbits. Perez L, et al. **Fertil Steril** 1981 Dec;36(6):803–7
Experimental studies with a thread containing mefenamic acid introduced into the rat uterus. Gupta U, et al. **Indian J Exp Biol** 1981 May;19(5):413–5
The persistence of placental remnants, beyond the normal period of gestation, in rats ovariectomised at day 12 of pregnancy. Peel S, et al. **J Anat** 1981 Jan;132(Pt 1):85–93
Effect of uterine ligation and cervical plugs on retention of frozen-thawed boar sperm. Pursel VG. **J Anim Sci** 1982 Jan;54(1):137–41
Adrenoreceptors in uterus. Digges KG. **J Auton Pharmacol** 1982 Mar;2(1):53–67 (75 ref.)
Alpha adrenergic receptor subtypes in rabbit uterus: mediation of myometrial contraction and regulation by estrogens. Hoffman BB, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):290–5
Myometrial activity in rats during the oestrous cycle and pseudopregnancy: interaction of oestradiol and progesterone. Downing SJ, et al. **J Physiol (Lond)** 1981 Aug;317:425–33
Fast outward current controlling electrical activity in rat uterine smooth muscle during gestation. Mironneau J, et al. **J Physiol (Paris)** 1981 Mar;77(8):851–9
Myoelectrical changes in the uterus of the sheep around parturition. Krishnamurti CR, et al. **J Reprod Fertil** 1982 Jan;64(1):59–67
Effects of the uterus and mid-pregnancy conceptus on luteal lifespan of the rat. Malison JA, et al. **J Reprod Fertil** 1982 Jan;64(1):25–32
Electrical activity of the infundibulum in relation to ovulation in the chicken. Shimada K, et al. **J Reprod Fertil** 1982 Jul; 65(2):419–23
Histological study of implantation in the Natal clinging bat (Miniopterus schreibersii natalensis). van der Merwe M. **J Reprod Fertil** 1982 Jul;65(2):319–23
Effect of uterine distension and oestrogen treatment on gap junction formation in the myometrium of the rat. Wathes DC, et al. **J Reprod Fertil** 1982 Jul;65(2):497–505
Biorhythms of the nonpregnant human uterus. Harbert GM Jr, et al. **J Reprod Med** 1981 Sep;26(9):493–8
The role of uterine tissue in changes of prostaglandin content in the rat ovary. Inazu N, et al. **Jpn J Pharmacol** 1981 Oct;31(5):809–13
Alterations in the properties of the rat myometrium during gestation and post partum. Kishikawa T. **Jpn J Physiol** 1981;31(4):515–36
An electrical impedance technique for recording oviductal and uterine activity. Schnatz PT, et al. **Med Biol Eng Comput** 1981 Jan;19(1):64–70
Temporal relationship between uterine weight, uterine blood flow, and serum progesterone and estradiol levels in the pseudopregnant rat. Garris DR. **Proc Soc Exp Biol Med** 1982 Mar;169(3):334–6

Oxytocin receptors and human parturition: a dual role for oxytocin in the initiation of labor. Fuchs AR, et al. **Science** 1982 Mar 12;215(4538):1396–8

Electrical activity of the bovine uterus prior to and post parturition. Hanzen C. **Vet Res Commun** 1981 Dec; 5(2):143–50

[Clinical evaluation of the methods of analyzing uterine activity] Khadzhiev A. **Akush Ginekol (Sofiia)** 1981; 20(5):369–79 (Eng. Abstr.) **(Bul)**

[Haemostatic mechanism in the uterus during the IIIrd stage of delivery (author's transl)] Susloparov LA. **Cesk Gynekol** 1981 Feb;46(1):16–21 (Eng. Abstr.) **(Cze)**

[Working out a system for the parameters of intra-uterine pressure wave forms. A comparative study of spontaneous labour and induced labor (author's transl)] Querleu D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):661–9 (Eng. Abstr.) **(Fre)**

[Quantitative determination of mechanical properties of uterus in gravity--accidents during pregnancy (author's transl)] Gollnast HK, et al. **Zentralbl Gynakol** 1982; 104(2):125–8 (Eng. Abstr.) **(Ger)**

[Relationship between intrauterine pressure and maternal hemodynamics (author's transl)] Hidaka A, et al. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):925–34 (Eng. Abstr.) **(Jpn)**

[Pressures on the human fetus during labor – intrauterine and on the fetal head (author's transl)] Furuya H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2173–81 (Eng. Abstr.) **(Jpn)**

[Functional assessment of the isolated myometrium of nonpregnant and pregnant women and parturients] Tsirkin VI, et al. **Akush Ginekol (Mosk)** 1981 Dec;(12):33–6 (Eng. Abstr.) **(Rus)**

[Physico-chemical parameters of estradiol-receptor interactions in cytosol of the uterus and oviducts of Cercopithecus griseus] Alekseeva ML. **Vopr Med Khim** 1982 May–Jun;28(3):115–7 **(Rus)**

[Methodical study concerning the possibility to follow up the electrical activity of the myometrium during pregnancy (author's transl)] Vierik J, et al. **Bratisl Lek Listy** 1982 Apr; 77(4):457–64 (Eng. Abstr.) **(Slo)**

[Uterine involution during the immediate puerperium; favored by gray-scale echography] Cabo A, et al. **Rev Chil Obstet Ginecol** 1980;45(1):18–22 **(Spa)**

PHYSIOPATHOLOGY

Comparison of systemic and uterine effects of relaxin and insulin in alloxan-treated, hyperglycemic rats. Vasilenko P 3d, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):376–9

Does hypoxia selectively stimulate the generation of prostaglandin E1 by the isolated rat uterus? Gimeno MF, et al. **Prostaglandins Med** 1981 Nov;7(5):375–88

[Hormonal parameters of the transport of minute particles from uterus to abdominal cavity along the uterine tubes] Pobedinskii NM, et al. **Akush Ginekol (Mosk)** 1982 Feb; (2):52–5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Uterine activity: a potential cause of false-positive Meckel's scans. Burt TB, et al. **J Nucl Med** 1981 Oct;22(10):886–7

SECRETION

Immunosuppression in the mouse by porcine uterine secretory protein. Allen RL, et al. **Am J Reprod Immunol** 1981 Aug;1(4):193–8

Immunosuppressive effect of ovine uterine secretory protein upon lymphocytes in vitro. Segerson EC Jr. **Biol Reprod** 1981 Aug;25(1):77–84

Prostaglandins, thromboxanes and the pregnant rat uterus at term. Phillips CA, et al. **Br J Pharmacol** 1981 May; 73(1):75–80

The cellular composition of uterine fluid in IUD users – a quantitative study. Casslén B, et al. **Contraception** 1981 Dec; 24(6):685–93

Effect of tranexamic acid on the fibrinolytic activity of human uterine fluid. Casslén B. **Contraception** 1982 Feb; 25(2):191–7

Purification and properties of a progesterone-induced plasmin/trypsin inhibitor from uterine secretions of pigs and its immunocytochemical localization in the pregnant uterus. Fazleabas AT, et al. **J Biol Chem** 1982 Jun 25; 257(12):6886–97

Identification of stage-specific and hormonally induced polypeptides in the uterine protein secretions of the mare during the oestrous cycle and pregnancy. Zavy MT, et al. **J Reprod Fertil** 1982 Jan;64(1):199–207

Post-mating non-infectious hydrometra in BALB/c: Bom mice. Kunstýř I, et al. **Lab Anim** 1982 Jan;16(1):51–5

Implantation does not affect luminal content and synthesis of uteroglobin in the rabbit. Rahman SS, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):75–7

SURGERY

Sigmoido-uterine rupture in pregnancy after multiple myomectomy. Georgakopoulos PA, et al. **Int Surg** 1981 Oct–Dec;66(4):367–8

Repair of uterine perforation through minilaparotomy. Samos FH. **Int Surg** 1979 Aug–Oct;64(5):53–5

Psychological aspects of Vabra curettage in menopause clinics. Sledmere CM, et al. **Maturitas** 1981 Dec; 3(3–4):205–13

Uterine cornual cauterization as a sterilization method. Ishikawa M, et al. **Reproduccion** 1981 Jul–Sep;5(3):157–62

Unsuccessful attempts to collect ova by surgical fixation of uterine catheters in superovulated cows. Baker AA, et al. **Vet Rec** 1982 Feb 27;110(9):194–6

[Interruption of pregnancy by vacuum aspiration or uterotomy. Intra- and postoperative complications] Kunz J, et al. **Fortschr Med** 1982 Apr 29;100(16):749–53 (Eng. Abstr.) **(Ger)**

[Early total occlusion of os uteri prevent habitual abortion and premature deliveries (author's transl)] Saling E. **Z Geburtshife Perinatol** 1981 Oct;185(5):259–61 (Eng. Abstr.) **(Ger)**

[New technique for use of low temperatures in uterine cavity (author's transl)] Dziambor H, et al. **Zentralbl Gynakol** 1981;103(16):976–82 (Eng. Abstr.) **(Ger)**

[Results following Strassmann's operation (author's transl)] Langer H. **Zentralbl Gynakol** 1981;103(15):898–901 (Eng. Abstr.) **(Ger)**

[Operative technic for obtaining germ-free mice, rats and guinea pigs] Podoprigora GI, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):54–9 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Reflexive gap junctions on uterine luminal epithelial cells. Murphy CR, et al. **Acta Anat (Basel)** 1982;112(1):92–6

Endocrine, structural, and functional changes in the uterus during premature labor. Garfield RE, et al. **Am J Obstet Gynecol** 1982 Jan 1;142(1):21–7

Effect of nickel on uterine contraction and ultrastructure in the rat. Rubányi G, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):1016–20

Changes of gap junctions in myometrium of guinea pig at parturition and abortion. Garfield RE, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):335–41

Effects of ovarian hormones on cell membranes in the rat uterus. III. The surface carbohydrates at the apex of the luminal epithelium. Murphy CR, et al. **Cell Biophys** 1981 Dec;3(4):305–20

The structure of tight junctions between uterine luminal epithelial cells at different stages of pregnancy in the rat. Murphy CR, et al. **Cell Tissue Res** 1982;223(2):281–6

Ultrastructure of the uterine glands of the pig. Perry JS, et al. **J Anat** 1982 Mar;134 (Pt 2):339–50

[Changes in the estrogen receptor content in the growing uterus of an immature rat after gonadotropin (PMSG, HCG) or estrogen injection] Paszko Z, et al. **Endokrynol Pol** 1981 May–Jun;32(3):253–64 (Eng. Abstr.) **(Pol)**

[Cytosol estrogen and progesterone receptors in the normal and pathological human uterus and ovaries] Baron J, et al. **Ginekol Pol** 1981 Jul;52(7):585–90 (Eng. Abstr.) **(Pol)**

[Comparative study of the estrogenic activity of modified estrogens based on date of competitive binding analysis and biological assay] Pokrovskaia EV, et al. **Probl Endokrinol (Mosk)** 1981;27(6):66–70 (Eng. Abstr.) **(Rus)**

UTILITARIANISM see **ETHICS**

UTILIZATION REVIEW

Drug-use review and risk management. Keys PW. **Am J Hosp Pharm** 1981 Oct;38(10):1533–4

Drug-use review and risk management: another view [letter] Tremblay J. **Am J Hosp Pharm** 1982 Apr;39(4):578–80

An audit of investigational services within general medical units. Newble DI, et al. **Aust NZ J Med** 1982 Apr; 12(2):169–73

Tuberculosis--a review of 498 recent admissions to hospital. Goldstein RS, et al. **Can Med Assoc J** 1982 Mar 1; 126(5):490–2

Diagnostic services utilization review at a university medical center. Sussman EJ, et al. **Health Care Manage Rev** 1981 Fall;6(4):65–8

Professional review of laboratory utilization. McConnell TS, et al. **Hum Pathol** 1982 Apr;13(4):399–403

An audit of regional paediatric in-patient practice. Part I--Statistics. Counahan R. **Ir Med J** 1981 Sep;74(9):248–50

Sources of referral, costs and length of hospital stay in a teaching hospital: impact of a day care facility. FitzGerald GA, et al. **Ir Med J** 1981 Sep;74(9):265–70

Three-year review of admissions to a child psychiatry unit. Fitzpatrick C. **Ir Med J** 1981 Jun;74(6):169–70

Hospitalization of adolescents in a new Children's Hospital. Tonkin RS, et al. **J Adolesc Health Care** 1981 Mar; 1(3):202–7

The physician advisor: genesis and rules. German TL. **J Med Assoc Ga** 1981 Sep;70(9):657–8

The range of intensive care services today. Knaus WA, et al. **JAMA** 1981 Dec 11;246(23):2711–6

Periodic medical review: the impact in Pennsylvania. Calogero MA, et al. **Med Care** 1982 Jan;20(1):85–96

Professional Standards Review Organization studies length of stay for cataract extraction in District of Columbia hospitals. Zimmerman MH, et al. **Public Health Rep** 1981 Sep–Oct;96(5):439–41

Monitoring laboratory services through concurrent review. McManus CD, et al. **QRB** 1982 Feb;8(2):5–9

The impact of early and comprehensive social work services on length of stay. Boone CR, et al. **Soc Work Health Care** 1981 Fall;7(1):1–9

Medical intensive care in a community teaching hospital. Murata GH, et al. **West J Med** 1982 May;136(5):462–70

ECONOMICS

The cost benefit of drug reviews in long-term care facilities. Kidder SW. **Am Pharm** 1982 Jul;22(7):63–7

METHODS

Antibiotic use review in ambulatory care using computer-assisted medical record audit. Reed DM, et al. **Am J Hosp Pharm** 1982 Feb;39(2):280–4

Computer-assisted practitioner-response system for studying the use of cimetidine. Schwartz JI, et al. **Am J Hosp Pharm** 1982 Jul;39(7):1198–201

Opportunity for clinical pharmacy in concurrent and prospective drug-use review [editorial] Stolar MH. **Am J Hosp Pharm** 1982 Jun;39(6):985

Record-linked audit of drug utilization data in a hospital: antimicrobial use on a urology ward. Hekster YA, et al. **J Clin Hosp Pharm** 1981 Dec;6(4):277–83

An automated PSRO-utilization review system. Budkin A, et al. **J Med Syst** 1982 Apr;6(2):139–47

The use of ancillary services: a role for utilization review? Eisenberg JM. **Med Care** 1982 Aug;20(8):849–61

The appropriateness evaluation protocol: a technique for assessing unnecessary days of hospital care. Gertman PM, et al. **Med Care** 1981 Aug;19(8):855–71

The effect of concurrent feedback in reducing inappropriate hospital utilization. Restuccia JD. **Med Care** 1982 Jan; 20(1):46–62

Ectopic pregnancy: its occurrence in two community hospitals using medical audit techniques for review. Durkin JW Jr, et al. **W Va Med J** 1981 Nov;76(11):287–90

STANDARDS

Internal standards: rationale for use in a drug utilization review program. Huber SL, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):789–92

UTRICLE see under **LABYRINTH**

UVEA

ANALYSIS

Localization of neuropeptides in the cornea and uvea of the rat: an immunohistochemical study. Shimizu Y. **Cell Mol Biol** 1982;28(1):103–10

[Neuropeptides in the rabbit eye. I. RIA for beta-endorphin, substance P and neurotensin in the aqueous humor, iris-ciliary body and retina (author's transl)] Baba S, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1267–72 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

[Role of the uveal tract in the pathogenesis of an acute attack of closed-angle glaucoma] Zhulmurzin SK. **Vestn Oftalmol** 1981 Nov–Dec;(6):17–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Immunological status of the body and uveoscleral outflow of the intraocular fluid in glaucoma] Kosykh NV, et al. **Oftalmol Zh** 1982;37(1):28–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Fluorescein transport in the anterior uvea. Stone RA, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):303–9

PATHOLOGY

A histopathologic study of the Choyce VIII intraocular lens. Olson RJ, et al. **Am J Ophthalmol** 1981 Dec;92(6):781–7

UVEAL DISEASES

Perspectives in uveitis. Schlaegel TF Jr. **Ann Ophthalmol** 1981 Jul;13(7):799–806 (49 ref.)

CHEMICALLY INDUCED

Experimental central serous chorioretinopathy. II: Further clinical findings. Yoshioka H, et al. **Kurume Med J** 1981; 28(3):189–96

COMPLICATIONS

Annular posterior cyclodialysis. Shukla B. **Indian J Ophthalmol** 1981 OCT;29(3):171–2

DIAGNOSIS

[Uveal effusion syndrome with multiple points of leakage in angiofluorography--Harada's disease?] Turut P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):627–33 **(Fre)**

ETIOLOGY

[Neovascular choroid membrane and traumatic choroid rupture in a patient with angioid steaks] Turut P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):591–4 (Eng. Abstr.)

(Fre)
[Choroidal detachment as a complication of retinal detachment (author's transl)] Stirpe M. **Klin Oczna** 1981 Apr-May;83(4-5):235-6 (Pol)

FAMILIAL & GENETIC

Gyrate atrophy of the choroid and retina. Valle D, et al. **Prog Clin Biol Res** 1982;82:123-34 (52 ref.)

IMMUNOLOGY

Autoimmunity and the retina. Faure JP. **Curr Top Eye Res** 1980;2:215-302

PATHOLOGY

Vascular damage in the anterior uvea induced by intravitreal autogenous blood. Algvere P, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(4):273-83
Melanoma of the iris with vascular malformations. Hanssens M, et al. **Bull Soc Belge Ophtalmol** 1981;193:85-96
Uveal tuberculosis. Ni C, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):103-24

PHYSIOPATHOLOGY

Temporal contrast sensitivity in central serous choroidopathy. Kayazawa F, et al. **Ann Ophthalmol** 1982 Mar;14(3):272-5

PREVENTION & CONTROL

[Prevention of choroid detachment and postoperative intraocular hemorrhage] Smelovskii AS, et al. **Oftalmol Zh** 1981;36(6):358-9 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Melanocytoma of the ciliary body. Shammas HJ, et al. **Ann Ophthalmol** 1981 Dec;13(12):1381-3

TRANSMISSION

[Is macular hemorrhagic choroidopathy transmissible?] Poletti J, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:263-5 (Fre)

UVEAL NEOPLASMS

COMPLICATIONS

Foveal pathology in ciliary body melanoma. Wolter JR. **Ophthalmic Surg** 1982 Apr;13(4):309-11
Corneal decompensation in Chandler's syndrome. Clinical, histopathologic and ultrastructural study. Offret H, et al. **Ophthalmologica** 1981;182(2):130-5

DIAGNOSIS

Fluorescein angiographic patterns of iris melanocytic tumors. Jakobiec FA, et al. **Arch Ophthalmol** 1982 Aug; 100(8):1288-99
Tapioca melanoma of the iris: clinicopathological correlation with results of fluorescein angiography. Price MJ, et al. **Can J Ophthalmol** 1981 Oct;16(4):195-9
[Fluorescence angiography and tomodensitometry in the diagnosis of tumors of the ciliary body in the presence of a cataract - apropos of a case] Devlamynck S, et al. **Bull Soc Ophtalmol Fr** 1981 Jun-Jul;81(6-7):689-91 (Eng. Abstr.) (Fre)
[Lacrimal ectopia in the ciliary body] Boudet D, et al. **J Fr Ophtalmol** 1981;4(10):677-8 (Fre)
[Prognostic relevance of the P32 test in malignant melanoma of the uvea] Strempel I. **Dev Ophthalmol** 1982;6:95-117 (Ger)
[Differential diagnosis of some iris tumors (author's transl)] Nover A. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):399-401 (Eng. Abstr.) (Ger)
[Melanotic tumors of the uvea and retina] Schmitt H. **Med Klin** 1981 Nov 20;76(24):672-5 (Ger)
[Skin delayed hypersensitivity reaction to 2-4-dinitrochlorobenzene in patients with melanoblastoma of the vascular tract of the eye] Nifontova TP. **Oftalmol Zh** 1981;36(6):356-7 (Eng. Abstr.) (Rus)

DRUG THERAPY

[Medicinal therapy of primary malignant intraocular tumors (author's transl)] Cernák A, et al. **Cesk Oftalmol** 1982 Mar; 38(2):116-20 (Eng. Abstr.) (Slo)

ENZYMOLOGY

[Lactic dehydrogenase (LDH) in eye diseases: II. LDH level in vitreous and aqueous humor in eyes with uveal malignant melanoma (author's transl)] Mondelski S, et al. **Klin Oczna** 1981 Apr-May;83(4-5):221-2 (Eng. Abstr.) (Pol)

ETIOLOGY

Granulomatous reaction to Choyce style intraocular lens. Kincaid MC, et al. **Ophthalmic Surg** 1982 Apr;13(4):292-9

MICROBIOLOGY

Feline uveal melanomas induced with feline sarcoma virus: potential model of the human counterpart. Shadduck JA, et al. **JNCI** 1981 Sep;67(3):619-27

MORTALITY

[Prognosis in uveal melanoma (preliminary results)] Bonafonte S, et al. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):179-83 (Eng. Abstr.) (Spa)

PATHOLOGY

Reticulum cell sarcoma of the uvea. Raju VK, et al. **Ann Ophthalmol** 1982 Jun;14(6):555-60
Uveal melanoma in children and adolescents. Barr CC, et al. **Arch Ophthalmol** 1981 Dec;99(12):2133-6
Bilateral diffuse melanocytic uveal tumors associated with systemic malignant neoplasms. A recently recognized syndrome. Barr CC, et al. **Arch Ophthalmol** 1982 Feb; 100(2):249-55
In vitro characteristics of uveal malignant melanomas. Felberg NT, et al. **Arch Ophthalmol** 1982 Jun;100(6):987-90
Are most iris 'melanomas' really nevi? A clinicopathologic study of 189 lesions. Jakobiec FA, et al. **Arch Ophthalmol** 1981 Dec;99(12):2117-32
The incidence of metastases from untreated ciliary body and choroidal melanoma. Wagoner MD, et al. **Arch Ophthalmol** 1982 Jun;100(6):939-40
Cavitation in intraocular malignant melanoma. Zakka KA, et al. **Arch Ophthalmol** 1982 Jan;100(1):112-4
Uveal melanoma: location, size, cell type, and enucleation as risk factors in metastasis. McLean IW, et al. **Hum Pathol** 1982 Feb;13(2):123-32
Uveal melanoma in China. Kuo PK, et al. **Int Ophthalmol Clin** 1982 Fall;22(3):57-71
Adenocarcinoma arising from the epithelium of the ciliary body. Dryja TP, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1290-2
[Nuclear inclusions in malignant melanoma of the uvea] Mincione GP, et al. **Arch De Vecchi Anat Patol** 1980; 64(1):75-85 (28 ref.) (Ita)

RADIOTHERAPY

Proton beam irradiation of uveal melanomas. Results of 5 1/2-year study. Gragoudas ES, et al. **Arch Ophthalmol** 1982 Jun;100(6):928-34
Proton-beam irradiated epithelioid cell melanoma of the ciliary body. Zinn KM, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1315-21

SURGERY

[Partial iridocyclectomy (author's transl)] Zheng BH. **Chung Hua Yen Ko Tsa Chih** 1981 Sep;17(5):261-3 (Chi)
[Adenoma of the ciliary body (author's transl)] Stefani FH, et al. **Klin Monatsbl Augenheilkd** 1982 Feb;180(2):162-3 (Eng. Abstr.) (Ger)
[Anatomo-clinical considerations on diktyoma. Case report] Guarino M, et al. **Arch Sci Med (Torino)** 1981 Oct-Dec; 138(4):653-9 (Ita)
[Does enucleation constitute a risk factor in malignant uveal melanoma?] Segal N, et al. **Rev Chir [Oftalmol]** 1981 Apr-Jun;25(2):135-8 (Eng. Abstr.) (Rum)

THERAPY

Strabismus and tumors of the uvea. **Ophthalmologica** 1981; 182(2):64-140
[Possibilities and limitations of eye-preserving procedures in malignant melanoma of the uvea (author's transl)] Lommatzsch PK. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):393-8 (Eng. Abstr.) (Ger)

UVEITIS

[Uveitis] **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980; 78:1-1144 (Ger)
[Vogt-Koyanagi-Harada syndrome: report of 2 cases] Marchiori PE, et al. **Arq Neuropsiquiatr** 1981 Dec; 39(4):473-7 (Eng. Abstr.) (Por)
[Uveomeningoencephalitis: report of 2 cases] Sanvito WL, et al. **Arq Neuropsiquiatr** 1982 Mar;40(1):86-94 (Eng. Abstr.) (Por)

COMPLICATIONS

Bilateral acute retinal necrosis. Saari KM, et al. **Am J Ophthalmol** 1982 Apr;93(4):403-11
A review (1970-1980) of 28 presumptive cases of syphilitic uveitis. Schlaegel TF Jr, et al. **Am J Ophthalmol** 1982 Apr; 93(4):412-4
Retinoschisis. Complication of peripheral uveitis. Brockhurst RJ. **Arch Ophthalmol** 1981 Nov;99(11):1998-9
Neovascular fundus abnormalities in peripheral uveitis. Felder KS, et al. **Arch Ophthalmol** 1982 May;100(5):750-4
Intraocular lens implantation following cataract extraction in Fuchs' heterochromic uveitis. Mills KB, et al. **Ophthalmic Surg** 1982 Jun;13(6):467-9
Sugiura's sign. Perilimbal vitiligo in the Vogt-Koyanagi-Harada syndrome. Friedman AH, et al. **Ophthalmology (Rochester)** 1981 Nov;88(11):1159-65
Kawasaki disease: association with uveitis in seven patients. Lapointe N, et al. **Pediatrics** 1982 Mar;69(3):376-8
Rhematogenous retinal detachment complicated by severe intraocular inflammation, hypotony, and choroidal detachment. Jarrett WH 2d. **Trans Am Ophthalmol Soc** 1981;79:664-83
[Surgery of complicated cataracts (author's transl)] Jindrová Z, et al. **Cesk Oftalmol** 1982 Jan;38(1):22-6 (Eng. Abstr.) (Cze)
[Uveitis in a Yersinia pseudotuberculosis infection--one case] Girard P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):475-8 (Eng. Abstr.) (Fre)
[Is there sarcoid uveitis without systemic manifestations? (author's transl)] Okinami S, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(5):519-24 (Eng. Abstr.) (Jpn)
[Uveitis associated with diabetes mellitus (author's transl)] Shimakawa M, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(11):1986-92 (Eng. Abstr.) (Jpn)
[A case of hypersensitivity pneumonitis presumably due to Thermoactinomyces vulgaris with associated uveitis and serum-angiotensinconverting enzyme elevation (author's transl)] Okano H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 May; 19(5):317-22 (Eng. Abstr.) (Jpn)
[Complicated cataract after uveitis in children. Clinical characteristics and results of treatment] Khvatova AV, et al. **Oftalmol Zh** 1981;36(6):342-4 (Eng. Abstr.) (Rus)

DIAGNOSIS

Hereditary hemorrhagic telangiectasis (Rendu-Osler-Weber disease). McMahon TT, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1127-30
Transient shallow anterior chamber as initial symptom in Harada's syndrome. Kimura R, et al. **Arch Ophthalmol** 1981 Sep;99(9):1604-6
Tuberculosis and syphilis [letter] Schlaegel TF Jr, et al. **Arch Ophthalmol** 1981 Dec;99(12):2206-7
Hyperfluorescent dots in the ciliary body band in patients with granulomatous uveitis. Kimura R. **Br J Ophthalmol** 1982 May;66(5):322-5
Inflammatory diseases of the retinal pigment epithelium. Vine AK, et al. **Int Ophthalmol Clin** 1981 Fall;21(3):119-37 (34 ref.)
Ambiguous example [letter] Hargrave MA. **Med J Aust** 1982 May 1;1(9):368
Uveitis is a systemic disorder. James DG. **Trans Med Soc Lond** 1980;96:43-6
[Uveo-Papillitis with abnormal macular angiofluorographic image] François P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr; 82(4):599-601 (Eng. Abstr.) (Fre)
[Symptomatology of posterior and intermediate uveitis] Bloch-Michel E. **J Fr Ophtalmol** 1982;5(2):129-34 (Fre)
[Differential diagnosis of endogenous uveitis] Witmer R. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980;78:123-6 (Eng. Abstr.) (Ger)
[Vasoproliferative intermediary uveitis (author's transl)] Slezak H, et al. **Klin Monatsbl Augenheilkd** 1981 Oct; 179(4):231-3 (Eng. Abstr.) (Ger)
[Two cases of so-called Kirisawa-type uveitis (author's transl)] Fujiwara H, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):71-80 (Eng. Abstr.) (Jpn)
[High-grade visual acuity impairment caused by parasite-induced uveoretinitis during toxocara canis infection (author's transl)] Szewczyk-Bocheńska N, et al. **Klin Oczna** 1981 Jul-Sep;83(7-8):373-5 (Eng. Abstr.) (Pol)
[Value of the photostress method in the diagnosis of tuberculous chorioretinitis and uveitis] Vodovozov AM, et al. **Oftalmol Zh** 1981;36(5):282-4 (Eng. Abstr.) (Rus)
[Clinical characteristics of rheumatoid uveitis in children] Khvatova AV, et al. **Pediatriia** 1981 Dec;(12):33-6 (Eng. Abstr.) (Rus)
[Peripheral uveitis in childhood] Khvatova AV, et al. **Vestn Oftalmol** 1981 Jul-Aug;(4):43-6 (Eng. Abstr.) (Rus)
[Intrauterine uveitis and its differential diagnosis] Khvatova AV, et al. **Vestn Oftalmol** 1982 Jan-Feb;(1):48-50 (Eng. Abstr.) (Rus)
[Diagnosis and treatment of uveitis in children] Kovalevskii EI, et al. **Vestn Oftalmol** 1981 May-Jun;(3):35-41 (Eng. Abstr.) (Rus)
[Allergic component in the clinical picture of ocular tuberculosis inflammation] Papsheva ZM. **Vestn Oftalmol** 1981 Jul-Aug;(4):41-3 (Eng. Abstr.) (Rus)
[Uveoencephalomyelitis, variant of the Vogt-Harada-Koyanagi syndrome] Neimark EZ, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):206-8 (Rus)

DRUG THERAPY

Use of acyclovir in herpetic ocular infection. McGill J, et al. **Am J Med** 1982 Jul 20;73(1A):286-9
Modulation of experimental autoimmune uveitis with cyclosporin A. Nussenblatt RB, et al. **Arch Ophthalmol** 1982 Jul;100(7):1146-9
Clinical evaluation of clobetasone butyrate eye drops in the treatment of anterior uveitis and its effects on intraocular pressure. Eilon LA, et al. **Br J Ophthalmol** 1981 Sep; 65(9):644-7
Double-masked controlled clinical trial of 5% tolmetin versus 0.5% prednisolone versus 0.9% saline in acute endogenous nongranulomatous anterior uveitis. Young BJ, et al. **Br J Ophthalmol** 1982 Jun;66(6):389-91
Anti-inflammatory effects of betamethasone phosphate,

dexamethasone phosphate and indomethacin on rabbit ocular inflammation induced by bovine serum albumin. Kulkarni PS, et al. **Curr Eye Res** 1981;1(1):43–7
Systemic corticosteroid treatment in Vogt–Koyanagi–Harada disease. Hayasaka S, et al.
Graefes Arch Clin Exp Ophthalmol 1982;218(1):9–13
Immunosuppressive drugs in uveitis. Ahuja OP, et al.
Indian J Ophthalmol 1981 Jan;28(4):215–7
Cyclosporin A for posterior uveitis? [news] **JAMA** 1982 Feb 5;247(5):569
[Therapy of endogenous uveitis. Corticosteroids] Böke W.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:215–22 (56 ref.) (Eng. Abstr.) **(Ger)**
[Therapy of endogenous uveitis. Immunosuppression] Martenet AC.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:223–8 (36 ref.) (Eng. Abstr.) **(Ger)**
[Therapy of endogenous uveitis. Tuberculostatics] Schmitt H. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980; 78:229–32 (47 ref.) (Eng. Abstr.) **(Ger)**
[Antibiotics in endogenous uveitis?] Thiel HJ, et al.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:243–7 (Eng. Abstr.) **(Ger)**
[Data on the current treatment of tuberculous uveitis] Cânciu G, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):289–91 (Eng. Abstr.) **(Rum)**

ENZYMOLOGY

[Changes of acid phosphatase in the uveoretinal tissue on experimental autoimmune uveoretinitis (EAU) (author's transl)] Usui M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1385–96 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Thyroid dysfunction and uveitis. Cantor LB, et al.
Ann Ophthalmol 1982 Jun;14(6):515–7
Stress and uveitis. Kumar A, et al. **Ann Ophthalmol** 1981 Sep;13(9):1077–80
Ovulation–associated uveitis. Chakrapani K, et al.
Br J Ophthalmol 1982 May;66(5):320–1
Experimental uveitis induced by products of activated lymphocytes: intraocular effects of rhodopsin–induced lymphokines. Meyers–Elliott RH, et al. **Cell Immunol** 1982 Jan 15;66(2):240–53
Endogenous uveitis: a multispecialty problem. Abrahams IW.
Conn Med 1981 Dec;45(12):761–6
Sympathetic ophthalmitis 10 years after the initial injury: a case report. Kanchanaranya C, et al. **J Med Assoc Thai** 1981 Jul;64(7):346–50
[An approach to the pathogenetic mechanisms of the glaucomato–cyclitic crisis (author's transl)] Feng YT.
Chung Hua Yen Ko Tsa Chih 1982 Jan;18(1):38–40 **(Chi)**
[Intralenticular foreign body as a cause of delayed infection (author's transl)] Kolín J, et al. **Cesk Oftalmol** 1981; 37(6):420–3 (Eng. Abstr.) **(Cze)**
[Clinical case of phaco–anaphylactic uveitis following traumatic rupture of a cataract with interesting psychiatric repercussions] Wharton R, et al.
Bull Mem Soc Fr Ophtalmol 1981;93:336–7 **(Fre)**
[Uveitis and drug addiction. Clinical aspects and therapeutic problems apropos of 7 cases] Barthelemy F, et al.
Bull Soc Ophtalmol Fr 1981 Dec;81(12):1159–62 **(Fre)**
[Post–traumatic Fuch's heterochromic cyclitis] Vadot E.
Bull Soc Ophtalmol Fr 1981 Aug–Sep;81(8–9):665–7 **(Fre)**
[Uveitis and intestinal parasitosis] Vedy J, et al.
Bull Soc Ophtalmol Fr 1982 Jan;82(1):97–8 (Eng. Abstr.) **(Fre)**
[Clinical and biological symptomatology of uveitis. Anterior and total uveitis] Dernouchamps JP. **J Fr Ophtalmol** 1982; 5(3):203–7 **(Fre)**
[Diagnostic and therapeutic problems in brucellosis uveitis (author's transl)] Poletti J, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):523–5 (Eng. Abstr.) **(Fre)**
[Parasitic uveitis in Quebec] Viens P, et al.
Union Med Can 1981 Oct;110(10):893–8 (Eng. Abstr.) **(Fre)**
[Possibility of an etiologic diagnosis of endogenous uveitis] Manthey KF.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:109–21 (Eng. Abstr.) **(Ger)**
[Chronic iridocyclitis, cyclitis] Martenet AC.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:15–9 (35 ref.) (Eng. Abstr.) **(Ger)**
[Panuveitis] Witschel H, et al.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:31–41 (107 ref.) (Eng. Abstr.) **(Ger)**
[Uveitis: a rational diagnostic program for practice in internal medicine] Conen D, et al. **Schweiz Med Wochenschr** 1982 Jan 2;112(1):22–5 (Eng. Abstr.) **(Ger)**
[Posterior uveitis in multiple sclerosis] Maschkowski D, et al. **Harefuah** 1981 Dec 1;101(11):306–7 (Eng. Abstr.) **(Heb)**
[Pars planitis. Considerations on 18 cases] Cernea P, et al.
Rev Chir [Oftalmol] 1981 Oct–Dec;25(4):299–305 (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

Alpha–1–antitrypsin phenotypes in acute anterior uveitis. Grabner G, et al. **Ophthalmic Res** 1982 Jan–Feb;14(1):1–4

IMMUNOLOGY

Juvenile arthritis [letter] Jacobs JC. **Am J Dis Child** 1982 Jan;136(1):81–2
Relation between HLA–B27 and clinical features in patients with acute anterior uveitis. Scharf J, et al.
Ann Ophthalmol 1982 May;14(5):488–90
T and B lymphocytes in the aqueous humor of patients with uveitis. Belfort R Jr, et al. **Arch Ophthalmol** 1982 Mar; 100(3):465–7
Recurrent clinical uveitis. Cell surface markers on vitreous lymphocytes. Kaplan HJ, et al. **Arch Ophthalmol** 1982 Apr; 100(4):585–7
Resemblance between rhodopsin kinase and S–antigen induced uveitis. Nussenblatt RB, et al. **Br J Ophthalmol** 1981 Nov;65(11):778–82
Usefulness of HLA determination and pathergy test in the diagnosis of uveitis in Turkey. Ozyazgan Y, et al.
Br J Ophthalmol 1981 Nov;65(11):798–9
HLA B27 and uveitis. Verbraeken H, et al.
Bull Soc Belge Ophtalmol 1980;190:25–32
S antigen–induced experimental autoimmune uveo–retinitis in rats. de Kozak Y, et al. **Curr Eye Res** 1981;1(6):327–37
Evidence for immediate hypersensitivity phenomena in experimental autoimmune uveoretinitis. de Kozak Y, et al.
Eur J Immunol 1981 Aug;11(8):612–7
Experimental lens induced uveitis in rat. Misra RN.
Indian J Ophthalmol 1981 OCT;29(3):201–2
Serum antibody levels of uveitis patients to bovine retinal antigens. Gregerson DS, et al.
Invest Ophthalmol Vis Sci 1981 Nov;21(5):669–80
HLA–B27, Klebsiella pneumoniae, and the relation to acute anterior uveitis. Holland EJ, et al.
Invest Ophthalmol Vis Sci 1982 Feb;22(2):213–9
Immunological factors in uveitis. Wakefield D, et al.
Med J Aust 1982 Mar 6;1(5):229–31
Uveitis and arthritis: experimental models and clinical correlates. Rosenbaum JT, et al. **Semin Arthritis Rheum** 1982 May;11(4):383–9 (85 ref.)
[Preliminary report on immunological examination in uveitis (author's transl)] Liu SB. **Chung Hua Yen Ko Tsa Chih** 1981 Nov;17(6):349–51 **(Chi)**
[The HLA–system and uveitis] Mayr WR, et al.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:149–54 (Eng. Abstr.) **(Ger)**
[Endogenous uveitis – an autoimmune process?] Müller–Ruchholtz W, et al.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:139–48 (58 ref.) (Eng. Abstr.) **(Ger)**
[Immunopathologic aspects of endogenous uveitis (author's transl)] Silverstein AM.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:127–37 (Eng. Abstr.) **(Ger)**
[Existence of cytotoxic T lymphocytes specific for human melanoma cells in Vogt–Koyanagi–Harada disease (author's transl)] Maezawa N.
Nippon Ganka Gakkai Zasshi 1981 Sep 10;85(9):1406–11 (Eng. Abstr.) **(Jpn)**
[Relationship between circulating immune complexes and pathogenesis of uveitis (author's transl)] Mizuno K, et al.
Nippon Ganka Gakkai Zasshi 1981 Sep 10;85(9):1397–405 (Eng. Abstr.) **(Jpn)**
[Rhodopsin kinase––with emphasis on function and immunopathogenicity (author's transl)] Shichi H.
Seikagaku 1981;53(1):20–4 (19 ref.) **(Jpn)**
[Immunologic disorders in endogenous uveitis and the possible means of their correction by drugs] Vanichkin AA, et al. **Oftalmol Zh** 1982;37(1):10–3 (Eng. Abstr.) **(Rus)**
[Immunoglobulin level in the serum and tears in uveitis] Murav'eva TV, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):50–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Acute anterior uveitis and Klebsiella aerogenes: a casual relationship? Willshaw HE. **Br J Ophthalmol** 1981 Nov; 65(11):796–7

OCCURRENCE

[Clinico– epidemiologic and immunological aspects of chronic uveitis] Shatilova RI, et al. **Oftalmol Zh** 1982; 37(1):6–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

[Immuno–histologic studies of parasitic uveitis] Hartmann CH, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:254–9 **(Fre)**
[Various aspects of parasitic ocular allergy: clinical course and treatment] Pop D Popa D, et al.
Bull Mem Soc Fr Ophtalmol 1981;93:260–2 **(Fre)**

PATHOLOGY

Vogt–Koyanagi–Harada syndrome. Clinical and neuropathological report of a case. Alema G, et al.
Acta Neurol (Napoli) 1981 Oct;36(5):680–6
Clinicopathological study of the Vogt–Koyanagi–Harada syndrome. Lubin JR, et al. **Int Ophthalmol Clin** 1982 Fall; 22(3):141–56
Sindbis virus–induced ocular immunopathology. Carreras B, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):571–8
Retinal 's' antigen disease in rats. Marak GE Jr, et al.
Ophthalmic Res 1982 Jan–Feb;14(1):29–39
[Experimental uveoretinitis induced in monkeys by retinal S antigen. Induction, histopathology (author's transl)] Faure JP, et al. **J Fr Ophtalmol** 1981;4(6–7):465–72 (Eng. Abstr.) **(Fre)**
[Case of uveoneuritis caused by Chlamydia] Subbotina IN, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):61–3 **(Rus)**

PHYSIOPATHOLOGY

A case of macular subretinal neovascularisation in chronic uveitis probably caused by sarcoidosis. Hoogstede HA, et al. **Br J Ophthalmol** 1982 Aug;66(8):530–5
[A clinical analysis of 177 cases of glaucomato–cyclitic crisis (author's transl)] Lu DP. **Chung Hua Yen Ko Tsa Chih** 1982 Jan;18(1):34–7 **(Chi)**
[Intermediary uveitis] Slezak H.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:21–4 (Eng. Abstr.) **(Ger)**
[Uveitis as a cause of visual acuity impairment in children (author's transl)] Koraszewska–Matuszewska B, et al.
Klin Oczna 1981 Jul–Sep;83(7–8):369–71 (Eng. Abstr.) **(Pol)**

SURGERY

Pars plana vitrectomy in the management of intraocular inflammation. Algvere P, et al.
Acta Ophthalmol (Copenh) 1981 Oct;59(5):727–36
[Vitrectomy in chronic uveitis and other inflammatory opacities of the vitreous body] Klöti R.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:233–41 (Eng. Abstr.) **(Ger)**
[Treatment of peripheral uveitis with cryotherapy (author's transl)] Okinami S, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1133–8 (Eng. Abstr.) **(Jpn)**

THERAPY

[Introduction to 'therapy of endogenous uveitis' (author's transl)] Böke W.
Ber Zusammenkunft Dtsch Ophthalmol Ges 1980;78:3–5 (Eng. Abstr.) **(Ger)**
[Experience with the dispensary observation of uveitis patients] Pen'kov MA, et al. **Oftalmol Zh** 1982;37(1):58–60 (30 ref.) **(Rus)**
[Outcome of endogenous uveitis and ways of preventing blindness] Shatilova RI, et al. **Oftalmol Zh** 1981;36(4):245–6 **(Rus)**

VETERINARY

Ocular lesions in mink affected with Aleutian disease. Hadlow WJ. **Vet Pathol** 1982 Jan;19(1):5–15

UVEOMENINGOENCEPHALITIC SYNDROME see under **UVEITIS**

UVEOPAROTID FEVER see under **SARCOIDOSIS**

UVULA

SURGERY

Mutilation of the uvula among Bedouins of the South Sinai. Nathan H, et al. **Isr J Med Sci** 1982 Jul;18(7):774–8
Uvulectomy in Nigeria. Ijaduola GT. **J Laryngol Otol** 1981 Nov;95(11):1127–33
Surgical correction of anatomic azbnormalities in obstructive sleep apnea syndrome: uvulopalatopharyngoplasty. Fujita S, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec; 89(6):923–34

VACCINATION

Vaccination against porcine parvovirus infection. Sørensen KJ, et al. **Acta Vet Scand** 1981;22(2):171–9
Approaches to vaccines against protozoan parasites of cattle. Allison AC, et al. **Adv Exp Med Biol** 1981;137:225–37
Vaccination of pediatric nurses with live attenuated cytomegalovirus. Fleisher GR, et al. **Am J Dis Child** 1982 Apr;136(4):294–6
The launching of a cytomegalovirus vaccine. Hanshaw JB.
Am J Dis Child 1982 Apr;136(4):291–2
Rubella susceptibility in inner–city adolescents: the effect of a school immunization law. Nelson DB, et al.
Am J Public Health 1982 Jul;72(7):710–3
Vaccination of the African white–tailed rat, Mystromys albacaudatus, with sonicated Leishmania braziliensis panamensis promastigotes. Beacham BE, et al.
Am J Trop Med Hyg 1982 Mar;31(2):252–8
America's immunization schedule for wiping out disease.
Am Pharm 1982 Jun;22(6):35–47
Incidental subcutaneous administration of high dosage smallpox vaccine in vaccinated adults. Toma E, et al.
Arch Roum Pathol Exp Microbiol 1981 Apr–Jun; 40(2):137–42
Rubella vaccination of adult women: important new Victorian Health Commission policy. Pyman CF.
Aust Fam Physician 1981 Aug;10(8):618
Pneumococcal meningitis––occurrence after vaccination in an elderly patient. Patel KM. **Aust NZ J Med** 1981 Oct; 11(5):564–5
Rubella immunization. Pearn J.
Aust NZ J Obstet Gynaecol 1982 Feb;22(1):15–7 (29 ref.)
An extremely attenuated, live measles virus vaccine

(CAM-EX). Persistence of low titer-antibody in institutionalized children with psychomotor retardation after vaccination. Ueda K, et al. **Biken J** 1981 Sep; 24(3):119-22

Can we vaccinate against schistosomes? An update five years later. Hillyer GV. **Bol Asoc Med PR** 1981 Apr;73(4):150-61

Kinetics of Haemophilus influenzae type B infection in normal and ribosome-immunized mice using intraperitoneal and intracerebral routes of inoculation. Burans JP, et al. **Br J Exp Pathol** 1981 Oct;62(5):496-503

Vaccination today. Noah ND. **Br J Hosp Med** 1980 Dec; 24(6):533-6

Effect of rubella vaccination programme in schools on rubella immunity in a general practice population [letter] **Br Med J [Clin Res]** 1982 Apr 10;284(6322):1113

Effect of rubella vaccination programme in schools on rubella immunity in a general practice population [letter] **Br Med J [Clin Res]** 1982 Mar 27;284(6320):977-8

Efficacy of pertussis vaccination in England. Report from the PHLS Epidemiological Research Laboratory and 21 area health authorities. **Br Med J [Clin Res]** 1982 Jul 31; 285(6338):357-9

Rubella screening and immunisation of schoolgirls: results six to seven years after vaccination [letter] Ehrengut W. **Br Med J [Clin Res]** 1982 Aug 21;285(6341):575

Effect of rubella vaccination programme in schools on rubella immunity in a general practice population. Gilmore D, et al. **Br Med J [Clin Res]** 1982 Feb 27;284(6316):628-30

Measles eradication policies [editorial] Noah ND. **Br Med J [Clin Res]** 1982 Apr 3;284(6321):997-8

Rubella vaccination: persistence of antibodies for up to 16 years. O'Shea S, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):253-5

Rubella vaccination: screening all women at risk. Rowlands S, et al. **Br Med J [Clin Res]** 1981 Sep 26;283(6295):829-31

Rubella screening and immunisation of schoolgirls: results six to seven years after vaccination. Zealley H, et al. **Br Med J [Clin Res]** 1982 Feb 6;284(6313):382-4

Priorities for immunisation against hepatitis B. Zuckerman AJ. **Br Med J [Clin Res]** 1982 Mar 6;284(6317):686-8 (30 ref.)

The 1975 foot-and-mouth disease epidemic in Malta. III. serological response of cattle, sheep, goats, and pigs to type O vaccine. Garland AJ, et al. **Br Vet J** 1981 Sep-Oct; 137(5):507-12

The eradication of smallpox in Shanghai, China, October 1950-July 1951. Hui X, et al. **Bull WHO** 1981;59(6):913-7

Polyvalent pneumococcal immunization of patients with plasma cell dyscrasias. Shildt RA, et al. **Cancer** 1981 Sep 15;48(6):1377-80

Mechanisms of protective immunity against Schistosoma mansoni infection in mice vaccinated with irradiated cercariae. I. Analysis of antibody and T-lymphocyte responses in mouse strains developing differing levels of immunity. James SL, et al. **Cell Immunol** 1981 Nov 15; 65(1):75-83

Antibody response to pneumococcal vaccine in patients with trisomy-21 (Down's syndrome). Nurmi T, et al. **Clin Exp Immunol** 1982 May;48(2):485-90

A study of humoral and cell-mediated immune response following typhoid vaccination in human volunteers. Rajagopalan P, et al. **Clin Exp Immunol** 1982 Feb; 47(2):275-82

Pneumococcal polysaccharide vaccine. Centers for Disease Control, H.E.W., Public Health Service, Atlanta, GA. **Conn Med** 1981 Dec;45(12):779-81

Vaccination against autoimmune encephalomyelitis (EAE): attenuated autoimmune T lymphocytes confer resistance to induction of active EAE but not to EAE mediated by the intact T lymphocyte line. Ben-Nun A, et al. **Eur J Immunol** 1981 Nov;11(11):949-52

Antibody response to TAB vaccine in human filariasis--a preliminary communication. Srivastava VK, et al. **Indian J Med Res** 1981 Oct;74:524-6

More on small pox [letter] **Indian Pediatr** 1982 Jan; 19(1):103-4

Rubella-specific immune complexes after congenital infection and vaccination. Coyle PK, et al. **Infect Immun** 1982 May; 36(2):498-503

Control of Mycoplasma pulmonis infection in rats and mice: detection and elimination vs. vaccination. Cassell GH, et al. **Isr J Med Sci** 1981 Jul;17(7):674-7

Excretion of attenuated polioviruses in children vaccinated with live oral poliovirus vaccine. Kucharská Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):74-82

Rabbit nasopharyngeal colonization by Bordetella pertussis: the effects of immunization on clearance and on serum and nasal antibody levels. Ashworth LA, et al. **J Hyg (Lond)** 1982 Jun;88(3):475-86

BCG vaccination of children against leprosy in Uganda: final results. Stanley SJ, et al. **J Hyg (Lond)** 1981 Oct; 87(2):233-48

Mechanisms of protective immunity against Schistosoma mansoni infection in mice vaccinated with irradiated cercariae. II. Analysis of immunity in hosts deficient in T lymphocytes, B lymphocytes, or complement. Sher A, et al. **J Immunol** 1982 Apr;128(4):1880-4

Effects of vaccination on cytomegalovirus-associated interstitial pneumonia in strain 2 guinea pigs. Bia FJ, et al. **J Infect Dis** 1982 May;145(5):742-7

Effect of immunization against rubella on lactation products. I. Development and characterization of specific immunologic reactivity in breast milk. Losonsky GA, et al. **J Infect Dis** 1982 May;145(5):654-60

Effect of immunization against rubella on lactation products. II. Maternal-neonatal interactions. Losonsky GA, et al. **J Infect Dis** 1982 May;145(5):661-6

Provision of rubella immunization in general practitioner family planning services. Black NA. **J R Coll Gen Pract** 1981 Oct;31(231):593-5

Rhesus diploid rabies vaccine (adsorbed), a new rabies vaccine. Results of initial clinical studies of preexposure vaccination. Berlin BS, et al. **JAMA** 1982 Mar 26; 247(12):1726-8

Vaccination and disease prevention for adults. Goodman RA, et al. **JAMA** 1982 Oct 1;248(13):1607-10

Leukemia patients to be given varicella vaccine [news] Gunby P. **JAMA** 1982 May 7;247(17):2340-1

Measles vaccination in infants [letter] Jones PH. **JAMA** 1982 Mar 5;247(9):1273-4

Influenza vaccination in hemodialysis patients. Kaji M, et al. **Kurume Med J** 1981;28(2):159-64

Epidemic of meningococcal meningitis in Bamako, Mali: epidemiological features and analysis of vaccine efficacy. Binkin N, et al. **Lancet** 1982 Aug 7;2(8293):315-8

Multisite intradermal antirabies vaccination. Immune responses in man and protection of rabbits against death from street virus by postexposure administration of human diploid-cell-strain rabies vaccine. Nicholson KG, et al. **Lancet** 1981 Oct 24;2(8252):915-8

Inhibition of foot pad multiplication of M. leprae in mice vaccinated with leproma derived M. leprae precursor coccoid organism and passive transfer of DTH response to normal mice through infusion of splenic cells of such vaccinated mice. Bhide MB, et al. **Lepr India** 1981 Oct; 53(4):580-7

Do postcard reminders improve influenza compliance? A prospective trial of different postcard 'cues'. Larson EB, et al. **Med Care** 1982 Jun;20(6):639-48

Congenital rubella after successful vaccination. Bott LM, et al. **Med J Aust** 1982 Jun 12;1(12):514-5

Rubella screening and vaccination programme at a Melbourne maternity hospital. A five-year review. Francis BH, et al. **Med J Aust** 1982 Jun 12;1(12):502-4

Rabies vaccination: field observations during epizootics in dogs. Clark KA, et al. **Mod Vet Pract** 1981 Dec; 62(12):907-11

The use of hepatitis B virus vaccine [editorial] Chin J. **N Engl J Med** 1982 Sep 9;307(11):678-9

Effects of immunization of horses with common antigen (OEP), protease toxoid, and elastase toxoid on corneal ulceration due to Pseudomonas aeruginosa infection. Ueda Y, et al. **Nippon Juigaku Zasshi** 1982 Apr;44(2):289-300

Contraceptive cover for rubella vaccination. Rowlands S, et al. **Practitioner** 1982 Jun;226(1368):1155-6

Comparative study of vaccines in preventing respiratory disease in beef calves after weaning. Weiblen R, et al. **Res Commun Chem Pathol Pharmacol** 1982 Feb; 35(2):303-24

Directly transmitted infections diseases: control by vaccination. Anderson RM, et al. **Science** 1982 Feb 26; 215(4536):1053-60

Schistosoma haematobium in the baboon (Papio anubis): effect of vaccination with irradiated larvae on the subsequent infection with percutaneously applied cercariae. Webbe G, et al. **Trans R Soc Trop Med Hyg** 1982; 76(3):354-61

Measles and measles vaccination in isolated Amerindian tribes. II. The 1978/79 Xingu epidemic. Baruzzi RG, et al. **Trop Geogr Med** 1982 Mar;34(1):7-12

Optimal age for vaccinating Nigerian children against measles. I. Neonatal antibody profile and subsequent susceptibility to measles. Harry TO, et al. **Trop Geogr Med** 1981 Dec;33(4):375-8

Optimal age for vaccinating Nigerian children against measles. II. Seroconversion to measles vaccine in different age groups. Ogunmekan DA, et al. **Trop Geogr Med** 1981 Dec;33(4):379-82

Measles and measles vaccine isolated amerindian tribes. I. The 1971 Trio ((Tiriyo) epidemic. van Mazijk J, et al. **Trop Geogr Med** 1982 Mar;34(1):3-6

Malaria: immunity and prospects for vaccination. Hommel M. **West J Med** 1981 Oct;135(4):285-99 (173 ref.)

BCG vaccine responses following simultaneous immunization against influenza and tuberculosis. 2nd report. Zykov MP, et al. **Z Erkr Atmungsorgane** 1981 May;157(2):165-80

[Study on vaccination schedule of inactivated Japanese encephalitis vaccine (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):360-2 **(Chi)**

[Observations on mass vaccination with live polio vaccine prepared in the diploid human cell line, KMB-17] Cao YY, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec;3(4):280-2 (Eng. Abstr.) **(Chi)**

[Recent deliberations on vaccination against measles in Denmark] Zoffmann H, et al. **Ugeskr Laeger** 1982 Jan 18; 144(3):137-41 (40 ref.) (Eng. Abstr.) **(Dan)**

[Vaccination for travelers] Huisman J. **Ned Tijdschr Geneeskd** 1982 Jul 17;126(29):1312-6 **(Dut)**

[Is it necessary to vaccinate against measles? (letter)] Celers J. **Arch Fr Pediatr** 1981 Nov;38(9):651-2 **(Fre)**

[Combined vaccinations against grippe and pneumococcal infections] Merieux C, et al. **Bull Acad Natl Med (Paris)** 1981 Oct;165(7):921-31 (Eng. Abstr.) **(Fre)**

[Variations in human parasitic diseases: malaria and schistosomiasis (author's transl)] Garin JP. **Bull Soc Pathol Exot Filiales** 1981 Nov-Dec;74(6):739-49 (Eng. Abstr.) **(Fre)**

[Vaccination against viral hepatitis B in Africa] Chevrel B. **Med Chir Dig** 1982;11(1):65-6 **(Fre)**

[Vaccinations for adults. Compiled according to recommendations by the permanent Commission on Vaccinations of the Federal Health Administration in Berlin] **Fortschr Med** 1982 Jun 24;100(24):1143-6 **(Ger)**

[Vaccinations and regional vaccination centers] Hellbrügge T. **Fortschr Med** 1981 Sep 10;99(34):1321-3 **(Ger)**

[Unspecific vaccination] Stickl H. **Fortschr Med** 1980 Dec 11;98(46):1803-8 (Eng. Abstr.) **(Ger)**

[The problem of relapsing infections after treatment of trichomoniasis vaginalis with solcotrichovac--a randomised double-blind study (author's transl)] Litschgi M. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):231-3 (Eng. Abstr.) **(Ger)**

[Selective and controlled mass rubella vaccination - experiences with an economical method (author's transl)] Zippel C, et al. **Immun Infekt** 1982 Mar;10(2):69-75 (Eng. Abstr.) **(Ger)**

[Vaccination in pregnancy] Ehrengut W. **Med Klin [Prax]** 1982 Mar 26;77(7):22-7 **(Ger)**

[Certainty instead of probability--a practical and economic method for conducting directed and controlled mass rubella vaccinations through public health departments] Leidel J, et al. **Off Gesundheitswes** 1981 Nov;43(11):564-8 **(Ger)**

[Vaccination problems with special reference to indications and contraindications for vaccination of handicapped and chronically sick children] Stickl H. **Off Gesundheitswes** 1981 Aug;43(8):376-80 **(Ger)**

[Problems and new developments in the area of prophylactic immunization] Huber HC. **ZFA (Stuttgart)** 1982 Feb 10; 58(4):189-92 **(Ger)**

[Reducing the incidence of low birth weight infants by lactobacillus vaccination of the pregnant mother] Lázár E, et al. **Orv Hetil** 1981 Sep 13;122(37):2263-8 **(Hun)**

[Tests of anti-meningococcal vaccination with A and C group polysaccharide vaccines] Galli MG, et al. **Ann Sclavo** 1981 May-Jun;23(3):356-66 (Eng. Abstr.) **(Ita)**

[Immunoprophylaxis and immunotherapy of viral hepatitis] Furuta S. **Nippon Rinsho** 1981 Apr;39(4):1784-90 (25 ref.) **(Jpn)**

[Vaccination in the prevention of mastitis (author's transl)] Gudding R. **Nord Vet Med** 1981 Sep-Nov;33(9-11):461-9 (Eng. Abstr.) **(Nor)**

[WHO vaccination programs. Vaccination in the control of smallpox] Kostrzewski J. **Przegl Epidemiol** 1981;35(3):373-6 **(Pol)**

[Epidemiological evaluation of the reactivity and effectiveness of vaccines and vaccination] Naruszewicz-Lesiuk D. **Przegl Epidemiol** 1981;35(3):377-9 **(Pol)**

[Vaccination as a preventive medical procedure] Rudkowski Z, et al. **Przegl Epidemiol** 1981;35(3):381-4 **(Pol)**

[Vaccination against rubella] Rudnicka H. **Przegl Epidemiol** 1981;35(3):403-5 **(Pol)**

[Vaccination against influenza] Semkow R. **Przegl Epidemiol** 1981;35(3):395-7 **(Pol)**

[Rabies vaccines. Indications for vaccination and the most common errors (data for 1970-1979)] Seroka D. **Przegl Epidemiol** 1981;35(3):391-4 **(Pol)**

[Vaccination against poliomyelitis. Formation of immunity evaluated according to the results of serological surveys] Zabicka J. **Przegl Epidemiol** 1981;35(3):385-9 **(Pol)**

[Vaccines and vaccination against mumps] Zabicka J. **Przegl Epidemiol** 1981;35(3):399-401 **(Pol)**

[Factors modulating production of antibodies against Clostridium perfringens in mammals] Shemanova GF, et al. **Biull Eksp Biol Med** 1981 Sep;92(9):322-5 (Eng. Abstr.) **(Rus)**

[Unsuitability of children revaccination against measles] Bolotovskiĭ VM, et al. **Sov Med** 1981;(9):43-8 (Eng. Abstr.) **(Rus)**

[Measles and its vaccine prophylaxis] **Vopr Virusol** 1981 Sep-Oct;(5):626-8 **(Rus)**

[Protective antigen of the pseudotuberculosis microbe] Dzadzieva MF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):71-5 (Eng. Abstr.) **(Rus)**

[Ribosomal dysentery vaccine. IV. Study of the reactogenicity, antigenic and protective activity of Shigella sonnei ribosomes in monkey experiments] Dzhikidze EK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):53-9 (Eng. Abstr.) **(Rus)**

[Results of a study to determine the optimal vaccination dose and schedule for primary immunization with chemical typhus vaccine] Imamaliev OG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):88-91 (Eng. Abstr.) **(Rus)**

[Results of a study of the safety, reactogenicity and immunologic effectiveness of pyoimmunogen in the immunization of volunteer donors] Krokhina MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):95-8 (Eng. Abstr.) **(Rus)**

[Production and experimental testing of the polyvalency of corpuscular vaccine for the prevention of Pseudomonas aeruginosa infections II. Experimental testing of the

immunogenicity of polyvalent corpuscular Pseudomonas aeruginosa vaccine] Moroz AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):74–80 (Eng. Abstr.) **(Rus)**

[Effect of immunoglobulin prophylaxis on the occurrence of anicteric and subclinical variants of infectious hepatitis] Podsedlovskii TS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):100–5 (Eng. Abstr.) **(Rus)**

[Determination of the parameters for the warranted use of mass immunoprophylaxis based on epidemic indications] Sergiev VP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):3–5 **(Rus)**

[Combined Staphylococcus–Proteus–Pseudomonas vaccine. I. Effectiveness of the vaccine in experimental Pseudomonas aeruginosa infections] Stanislavskii ES, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):57–61 (Eng. Abstr.) **(Rus)**

[Characteristics of the cytomorphological and other indices of immunogenesis in guinea pigs vaccinated after the preliminary administration of an erythropoiesis stimulant] Struchkova EN. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):97–100 **(Rus)**

[Report on the health status in Spain and the activities of the General Directorate of Public Health and Veterinary Health (1978). National campaigns of vaccination against poliomyelitis, diphtheria, whooping cough and tetanus] **Rev Sanid Hig Publica (Madr)** 1979 Jan–Feb;53(1–2):5–50 **(Spa)**

ADVERSE EFFECTS

Is poliomyelitis in the tropics provoked by injections? Wyatt HV. **Afr J Med Med Sci** 1980 Mar–Jun;9(1–2):73–80

Optic neuritis and myelitis following rubella vaccination. Kline LB, et al. **Arch Neurol** 1982 Jul;39(7):443–4

Malignant fibrous histiocytoma arising in a smallpox vaccination scar. Slater DN, et al. **Br J Dermatol** 1981 Aug; 105(2):215–7

Hazards of smallpox vaccination [editorial] Lane JM. **JAMA** 1982 May 21;247(19):2709

Recurrent herpes simplex infection at a smallpox vaccination site. Mintz L. **JAMA** 1982 May 21;247(19):2704–5

Depression of aminopyrine metabolism by influenza vaccination. Kramer P, et al. **N Engl J Med** 1981 Nov 19;305(21):1262–4

Keloid formation after BCG vaccination. Lawrence CM, et al. **Practitioner** 1982 Feb;226(1364):326–8

Rift Valley fever virus vaccine trial: study of side–effects in humans. Niklasson B. **Scand J Infect Dis** 1982; 14(2):105–9

[Occurrence of complications in vaccination against variola in CSR (author's transl)] Janout V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):73–9 (Eng. Abstr.) **(Cze)**

[Aujezky's disease in sheep caused by errors in vaccines] König CD. **Tijdschr Diergeneeskd** 1982 Jun 15; 107(12):475–6 **(Dut)**

[Encephalitis following measles–mumps vaccination simultaneous to an EBV–infection (author's transl)] Forster J, et al. **Klin Padiatr** 1982 Jan;194(1):29–30 (Eng. Abstr.) **(Ger)**

ECONOMICS

A benefit–cost analysis of mumps vaccine. Koplan JP, et al. **Am J Dis Child** 1982 Apr;136(4):362–4

Cost–effectiveness and cost–benefit analyses of vaccines. Willems JS, et al. **J Infect Dis** 1981 Nov;144(5):486–93

Cost effectiveness of serotesting before hepatitis vaccination [letter] Hashimoto F. **N Engl J Med** 1982 Aug 19;307(8):503

Indications for use of hepatitis B vaccine, based on cost–effectiveness analysis. Mulley AG, et al. **N Engl J Med** 1982 Sep 9;307(11):644–52

Seasonal protection through voluntary programs. Parmet AJ. **Occup Health Saf** 1981 Nov;50(11):27–8, 30

[Economic evaluation of an extraordinary vaccination against tetanus in CSR (author's transl)] Janout V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):9–14 (Eng. Abstr.) **(Cze)**

[Cost effectiveness of pneumococcal vaccine (author's transl)] Levy E. **Rev Epidemiol Sante Publique** 1981;29(2):133–53 (Eng. Abstr.) **(Fre)**

[Mass vaccination programs (administrative provisions and possibilities)] Velimirovic B. **Ric Clin Lab** 1981;11 Suppl 2:73–80 **(Ita)**

HISTORY

Good servants are scarce. Guest–Gornall RG. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1674–5

Who introduced typhoid vaccination: Almroth Write or Richard Pfeiffer? Gröschel DH, et al. **Rev Infect Dis** 1981 Nov–Dec;3(6):1251–4

INSTRUMENTATION

[Stability and immunogenicity of the fresh BCG vaccine applied with a new multiple puncture device (author's transl)] Gheorghiu M, et al. **Ann Microbiol (Paris)** 1981 May–Jun;132(3):307–18 (Eng. Abstr.) **(Fre)**

METHODS

Intradermal versus subcutaneous typhoid vaccination. Dimache G, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun;40(2):143–8

Influenza vaccine effectiveness: Two epidemiological studies, 1980–1981 outbreak. Chotkowski LA, et al. **Conn Med** 1981 Dec;45(12):773

Respiratory tularemia: comparison of selected routes of vaccination in Fischer 344 rats. Jemski JV. **Infect Immun** 1981 Dec;34(3):766–72

Immune response of mice, rabbits and cattle to inactivated Mycoplasma mycoides subspecies Mycoides vaccines containing adjuvants. Hooker JM, et al. **J Comp Pathol** 1980 Jul;90(3):363–72

Assessment of susceptibility to measles and rubella. Preblud SR, et al. **JAMA** 1982 Feb 26;247(8):1134–7

Vaccination programme for eradication of measles, mumps, and rubella [letter] Taranger J. **Lancet** 1982 Apr 17; 1(8277):915–6

Influenza immunization by the intradermal method. Tuft L. **Penn Med** 1982 Jun;85(6):29–30

Oral immunization against influenza. Waldman RH, et al. **Trans Am Clin Climatol Assoc** 1981;93:133–40

[Immunological indices of human vaccination against tick–borne encephalitis using inactivated preparations with a varying concentration of the viral antigen] El'bert LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun; (6):89–92 (Eng. Abstr.) **(Rus)**

STANDARDS

The recurrence of whooping cough: possible implications for assessment of vaccine efficacy. Fine PE, et al. **Lancet** 1982 Mar 20;1(8273):666–9

[BCG–vaccination in the USSR and other countries] Jablokova TB. **Z Erkr Atmungsorgane** 1982; 158(1–2):196–204 (Eng. Abstr.) **(Ger)**

[Seasonal changes and vaccination against tuberculosis] Sakharova EA. **Pediatriia** 1982 Apr;(4):63–4 **(Rus)**

SUPPLY & DISTRIBUTION

[Vaccination in the prevention and control of infectious diseases] Magdzik W. **Przegl Epidemiol** 1981;35(3):365–72 **(Pol)**

TRENDS

[Vaccination against variola and its future (author's transl)] Slonim D, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct;29(5):269–76 (Eng. Abstr.) **(Cze)**

UTILIZATION

Factors affecting the use of vaccines: considerations for immunization program planners. Riddiough MA, et al. **Public Health Rep** 1981 Nov–Dec;96(6):528–35

VETERINARY

Vaccination of cattle against pseudorabies (Aujeszky's disease) with homologous virus (herpes suis) and heterologous virus (herpes bovis 1). Bironi P, et al. **Am J Vet Res** 1982 May;43(5):760–3

Temporary protection of calves against adenovirus infection by nasal–secretion interferon induced by infectious bovine rhinotracheitis virus. Cummins JM, et al. **Am J Vet Res** 1982 Jun;43(6):955–9

Partial protection of calves against parainfluenza–3 virus infection by nasal–secretion interferon induced by infectious bovine rhinotracheitis virus. Cummins JM, et al. **Am J Vet Res** 1982 Aug;43(8):1334–8

Leukocyte migration–inhibition responses of nonvaccinated and vaccinated heifers to experimental infection with Brucella abortus. Dorsey TA, et al. **Am J Vet Res** 1982 Mar;43(3):548–50

Marek's disease in turkeys: lack of protection by vaccination. Elmubarak AK, et al. **Am J Vet Res** 1982 Apr;43(4):740–2

Distribution of Pasteurella haemolytica and Pasteurella multocida in the bovine lung following vaccination and challenge exposure as an indicator of lung resistance. Newman PR, et al. **Am J Vet Res** 1982 Mar;43(3):417–22

Experimental infectious bovine keratoconjunctivitis: efficacy of a vaccine prepared from nonhemolytic strains of Moraxella bovis. Pugh GW Jr, et al. **Am J Vet Res** 1982 Jun;43(6):1081–4

Vaccination of cattle against experimentally induced thromboembolic meningoencephalitis with a Haemophilus somnus bacterin. Stephens LR, et al. **Am J Vet Res** 1982 Aug;43(8):1339–42

Cross–protection by a chemically altered vaccinal strain of Pasteurella multocida in mice and hamsters. Wong JC, et al. **Am J Vet Res** 1982 Jul;43(7):1315–6

Vaccination of heifers with a reduced dose of brucella abortus strain 19 vaccine before first mating. Alton GG, et al. **Aust Vet J** 1981 Dec;57(12):548–50

Renal leptospirosis in vaccinated pigs. Cargill CF, et al. **Aust Vet J** 1981 May;57(5):236–8

The effect of calfhood vaccination with strain 19 on the serological diagnosis and eradication of bovine brucellosis. Koh SH, et al. **Aust Vet J** 1981 Dec;57(12):551–3

The immunization of broiler chickens against type C botulism. Dohms JE, et al. **Avian Dis** 1982 Apr–Jun; 26(2):340–5

Natural killer cell activity in chickens exposed to Marek's disease virus: inhibition of activity in susceptible chickens and enhancement of activity in resistant and vaccinated chickens. Sharma JM. **Avian Dis** 1981 Oct–Dec; 25(4):882–93

Serum and skin surface antibody responses to intradermal vaccination of cattle with Dermatophilus congolensis. Lloyd DH, et al. **Br Vet J** 1981 Nov;137(6):601–7

The failure of an inactivated mink enteritis virus vaccine in four preparations to provide protection to dogs against challenge with canine parvovirus–2. Carman S, et al. **Can J Comp Med** 1982 Jan;46(1):47–50

Synovial immunoglobulin and antibody in vaccinated and nonvaccinated calves challenged with Mycoplasma bovis. Chima JC, et al. **Can J Comp Med** 1981 Jan;45(1):92–6

Induced latency in pseudorabies vaccinated pigs. Mock RE, et al. **Can J Comp Med** 1981 Jan;45(1):56–9

The serological response of foals to vaccination against strangles. Srivastava SK, et al. **Can J Comp Med** 1981 Jan; 45(1):20–5

Vaccination of chickens with nonpathogenic Mycoplasma gallisepticum as a means for displacement of pathogenic strains. Levisohn S, et al. **Isr J Med Sci** 1981 Jul; 17(7):669–73

Parvovirus infection and distemper vaccination [letter] Glickman LT, et al. **J Am Vet Med Assoc** 1981 May 15; 178(10):1029–31

Field evaluation of a canine parvovirus vaccination program, using feline origin modified live virus vaccine. Gordon JC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1429–31

Vaccination–induced distemper in kinkajous. Kazacos KR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1166–9

Immunization against Border Disease. Vantsis JT, et al. **J Comp Pathol** 1980 Jul;90(3):349–54

The effect of measles vaccination in rhesus monkeys (Macaca mulatta). MacArthur JA, et al. **Lab Anim** 1982 Jul; 16(3):267–70

Vaccination programs. Blankevoort M. **Mod Vet Pract** 1981 Apr;62(4):319–21

Rota–coronavirus vaccination of pregnant cows. Hudson D. **Mod Vet Pract** 1981 Aug;62(8):626–8

Trends in veterinary immunology. Developments in immunoprophylaxis. Krakowka S. **Mod Vet Pract** 1981 May;62(5):367–9 (23 ref.)

Vaccination for bacillary hemoglobinuria. Marble DW. **Mod Vet Pract** 1981 Jul;62(7):546

Stimulation by heterotypic antigens of foot–and–mouth disease virus antibodies in vaccinated cattle. Cartwright B, et al. **Res Vet Sci** 1982 May;32(3):338–42

Persistence of Brucella abortus strain 19 infection in adult cattle vaccinated with reduced doses. Corner LA, et al. **Res Vet Sci** 1981 Nov;31(3):342–4

Vaccination of sheep against Taenia ovis. The response to various dose rates of antigens obtained by incubation of oncospheres in vitro. Osborn PJ, et al. **Res Vet Sci** 1982 May;32(3):351–3

Immunosuppression in bovine trypanosomiasis: response of cattle infected with Trypanosoma congolense to foot–and–mouth disease vaccination and subsequent live virus challenge. Sharpe RT, et al. **Res Vet Sci** 1982 May; 32(3):289–93

Diarrhoea in diary calves reduced by feeding colostrum from cows vaccinated with rotavirus. Snodgrass DR, et al. **Res Vet Sci** 1982 Jan;32(1):70–3

Vaccination with CDF–66 strain of newcastle disease virus. Shukla SC, et al. **Trop Anim Health Prod** 1982 Feb; 14(1):15–9

Difference in protective immunity of the tongue and feet of guinea pigs vaccinated with foot–and–mouth disease virus type A12 following intradermolingual and footpad challenge. Knudsen RC, et al. **Vet Microbiol** 1982 May; 7(2):97–107

Serological response of cattle after vaccination and challenge with Brucella abortus. Sutherland SS, et al. **Vet Microbiol** 1982 May;7(2):165–75

Immunization with irradiated larvae against Dictyocaulus filaria in young lambs. Dhar DN, et al. **Vet Parasitol** 1981 Dec;9(2):125–31

Preliminary investigations into the immunization of lambs against infection with Taenia multiceps metacestodes. Edwards GT, et al. **Vet Parasitol** 1982 Feb;9(3–4):193–9

Intranasal vaccination of pigs against Aujeszky's disease. 1. Comparison of intranasal and parenteral vaccination with an attenuated vaccine in 12–week–old pigs from immunized dams. de Leeuw PW, et al. **Vet Q** 1982 Apr;4(2):49–56

Vaccination against canine parvovirus disease [letter] Folkers C, et al. **Vet Rec** 1982 Mar 6;110(10):235

Early vaccination of calves against ringworm caused by Tricophyton verrucosum. Naess B, et al. **Vet Rec** 1981 Sep 5;109(10):199–200

E coli vaccination in pigs [letter] Nagy LK, et al. **Vet Rec** 1982 Feb 13;110(7):159

Abortion in vaccinated sheep and cattle after challenge with Rift Valley fever virus. Yedloutschnig RJ, et al. **Vet Rec** 1981 Oct 24;109(17):383–4

Inactivated bluetongue virus vaccine in lambs: differential serological responses related to breed. Berry LJ, et al. **Vet Res Commun** 1982 May;5(3):289–93

In vitro study of the cellular response of pigs vaccinated against classical swine fever. Remond M, et al. **Zentralbl Veterinarmed [B]** 1981;28(9–10):743–8

Immunological markers of an attenuated bovine respiratory syncytial (BRS) virus vaccine. Zygraich N, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):355–62

[Changes in the amount of serum sialic acid in the vaccination

of poultry against Newcastle disease] Arnaudov Kh, et al. **Vet Med Nauki** 1981;18(8):33–6 (Eng. Abstr.) **(Bul)**

[Serological response and resistance to Newcastle disease in vaccinated poultry] Gerganov G, et al. **Vet Med Nauki** 1981;18(8):19–24 (Eng. Abstr.) **(Bul)**

[Intranasal vaccination against tetanus in horses] Baljer G, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 1; 95(11):208–13 (Eng. Abstr.) **(Ger)**

[Possibilities and limits of MD/VD and IBR vaccination in a cattle fattening stable. Observations of a case in practice (author's transl)] Marschang F. **DTW** 1982 Feb 5;89(2):83–5 (Eng. Abstr.) **(Ger)**

[Replication of the Aujeszky virus in vaccinated swine following experimental infection with large and medium amounts of virus] Wittmann G, et al. **Zentralbl Veterinarmed [B]** 1982 Feb;29(1):24–30 (Eng. Abstr.) **(Ger)**

[Study on hog cholera–swine erysipelas combined live vaccine. –III. Field trial of vaccination (author's transl)] Eto M, et al. **Igaku Kenkyu** 1981 Mar;51(1):79–84 (Eng. Abstr.) **(Jpn)**

[Antibody production in rats vaccinated with inactivated Sendai virus (author's transl)] Tsukui M, et al. **Jikken Dobutsu** 1981 Jul;30(3):275–81 (Eng. Abstr.) **(Jpn)**

VACCINATION ENCEPHALITIS see **ENCEPHALITIS, POST-VACCINAL**

VACCINE THERAPY

Immunotherapy with bacterial ribosomal antigen. I. Clinical study. Martin-Gil D, et al. **Allergol Immunopathol (Madr)** 1981 Nov–Dec;9(6):509–18

Failure of specific active immunotherapy in lung cancer. Souter RG, et al. **Br J Cancer** 1981 Oct;44(4):496–501

A trial of nonspecific immunotherapy using systemic C. parvum in treated patients with Dukes B and C colorectal cancer. Souter RG, et al. **Br J Cancer** 1982 Apr; 45(4):506–12

Autogenous vaccine therapy for condyloma acuminatum. A double-blind controlled study. Malison MD, et al. **Br J Vener Dis** 1982 Feb;58(1):62–5

Eradication by active specific immunotherapy of established tumor transplants and microscopic lymph node metastases. Yarkoni E, et al. **Cancer Res** 1982 Jul;42(7):2544–6

Giant and recurrent condyloma acuminatum: appraisal of immunotherapy. Eftaiha MS, et al. **Dis Colon Rectum** 1982 Mar;25(2):136–8

Immunotherapy of bovine eye cancer [editorial] **Lancet** 1982 Sep 18;2(8299):641

Protection against foot-and-mouth disease by immunization with a chemically synthesized peptide predicted from the viral nucleotide sequence. Bittle JL, et al. **Nature** 1982 Jul 1;298(5869):30–3

Humoral immune response to intralymphatic immunotherapy for disseminated melanoma: correlation with clinical response. Ahn SS, et al. **Surgery** 1982 Aug;92(2):362–7

[Vaccination in children with acute leukemia and solid tumor (author's transl)] Ikeda T, et al. **Rinsho Ketsueki** 1981 Mar; 22(3):325–30 (Eng. Abstr.) **(Jpn)**

[Epidemiological evaluation of the reactivity and effectiveness of vaccines and vaccination] Naruszewicz-Lesiuk D. **Przegl Epidemiol** 1981;35(3):377–9 **(Pol)**

METHODS

[Vaccination in children. Review for the general practice] Sitzmann FC. **Fortschr Med** 1981 Sep 17;99(35):1375–8 (37 ref.) **(Ger)**

[Use of autovaccine in suppurative inflammatory diseases complicated by candidiasis] Pozniak SP, et al. **Klin Med (Mosk)** 1981 Dec;59(12):80–1 (Eng. Abstr.) **(Rus)**

VACCINES

Vaccine development for schistosomiasis: report of a workshop. Hoffman DB, et al. **Am J Trop Med Hyg** 1981 Nov;30(6):1247–51

Efficacy of a nonviable culture-derived Babesia bovis vaccine. Kuttler KL, et al. **Am J Vet Res** 1982 Feb; 43(2):281–4

Induction of antitumor immunity by tumor cells treated with abrin. Shionoya H, et al. **Cancer Res** 1982 Jul;42(7):2872–6

Implications of the presence of an internal image of the antigen in anti-idiotypic antibodies: possible application to vaccine production. Nisonoff A, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):397–406

Fish biologics: serodiagnostics and vaccines. **Dev Biol Stand** 198;49:1–486

Biologics for immunization of fishes. **Dev Biol Stand** 1981; 49:373–461

Theoretical considerations and practical concerns regarding the use of continuous cell lines in the production of biologics. Petricciani JC, et al. **Dev Biol Stand** 1981; 50:15–25

Trypanosoma cruzi culture used as vaccine to prevent chronic Chagas' disease in mice. Basombrío MA, et al. **Infect Immun** 1982 Apr;36(1):351–6

Construction of a potential bivalent vaccine strain: introduction of Shigella sonnei form I antigen genes into the galE Salmonella typhi Ty21a typhoid vaccine strain. Formal SB, et al. **Infect Immun** 1981 Dec;34(3):746–50

Safety and immunogenicity of group Y and group W135 meningococcal capsular polysaccharide vaccines in adults. Griffiss JM, et al. **Infect Immun** 1981 Dec;34(3):725–32

Gonococcal pilus vaccine. Studies of antigenicity and inhibition of attachment. Tramont EC, et al. **J Clin Invest** 1981 Oct;68(4):881–8

An update on pneumococcal, influenza and hepatitis type B vaccines. Huang CH, et al. **J Kans Med Soc** 1982 Feb; 83(2):69–72, 78

Current trends in vaccine development. Huygelen CA. **Med J Aust** 1981 Oct 31;2(9):481–4

Synthetic peptides as the basis for future vaccines [news] Beale J. **Nature** 1982 Jul 1;298(5869):14–5

Developing synthetic vaccines [news] Zuckerman AJ. **Nature** 1982 Jan 14;295(5845):98–9

Freeze-drying of Anaplasma marginale. Potgieter FT, et al. **Onderstepoort J Vet Res** 1981 Sep;48(3):179–80

Cloned viral protein vaccine for foot-and-mouth disease: responses in cattle and swine. Kleid DG, et al. **Science** 1981 Dec 4;214(4525):1125–9

FDA approves hepatitis B vaccine [news] Maugh TH. **Science** 1981 Dec 4;214(4525):1113

Duration of immunity in cats inoculated with a commercial feline pneumonitis vaccine. Kolar JR, et al. **VM SAC** 1981 Aug;76(8):1171–3

[Future of vaccines in the prevention of dental caries] Ming-Wen F, et al. **Union Med Jan** 1981 Nov; 110(11):955–60 (Eng. Abstr.) **(Fre)**

[Are hepatitis B vaccines free of residual infectiosity?] Thomssen R. **Dtsch Med Wochenschr** 1982 Aug 20; 107(33):1243–5 **(Ger)**

[Trends in vaccine design] Semenov BF. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):3–8 **(Rus)**

ADMINISTRATION & DOSAGE

Advice on administering vaccines [letter] Murray DL. **Am J Public Health** 1982 Jan;72(1):92–3

America's immunization schedule for wiping out disease. **Am Pharm** 1982 Jun;22(6):35–47

Protection against Plasmodium chabaudi malaria. I.—Vaccination of mice with merozoites and Freund's adjuvants. Hommel M, et al. **Ann Immunol (Paris)** 1982 Jan–Feb;133(1):57–67

Intranasal vaccine trial for canine infectious tracheobronchitis (kennel cough). Glickman LT, et al. **Lab Anim Sci** 1981 Aug;31(4):397–9

Pneumococcal polysaccharide vaccine. **MMWR** 1981 Aug 28;30(33):410–2, 417–9

Serum antibody response to pneumococcal vaccine in children with nephrotic syndrome. Spika JS, et al. **Pediatrics** 1982 Feb;69(2):219–23

Health department outlines influenza vaccine needs. McCarthy MA. **Penn Dent J (Phila)** 1981 Oct;84(10):12–3

Comparison of intramuscular and oral modified-live virus TGE vaccines. Henning ER, et al. **VM SAC** 1981 Dec; 76(12):1789–92

[Will the development of malaria vaccines succeed?] Peltola H. **Duodecim** 1981;97(11):709–19 **(Fin)**

[Results of a study to determine the optimal vaccination dose and schedule for primary immunization with chemical typhus vaccine] Imamaliev OG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):88–91 (Eng. Abstr.) **(Rus)**

[Characteristics of the antitoxic immunity in persons inoculated with chemical typhus vaccine] Nikol'skaia VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar; (3):86–9 (Eng. Abstr.) **(Rus)**

[Programmed use of vaccines in Chile] Carrasco R, et al. **Rev Chil Pediatr** 1981 Jul–Aug;52(4):353–6 **(Spa)**

ADVERSE EFFECTS

Nodules at infection sites [letter] Taylor DR. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):731

MDPH goes after statistics of mild, as well as severe, vaccine reactions. Berlin BS. **Mich Med** 1982 Feb;81(8):100, 102

Acute lupus erythematosus (SLE) following polyvalent pneumococcal vaccine. Ries K, et al. **SD J Med** 1981 Mar; 24(3):27–8

Vaccine causes an outbreak of bovine virus diarrhea (BVD). Howlett JR. **VM SAC** 1981 Dec;76(12):1719–21

[Lesions caused by vaccination] Buchwald G. **Off Gesundheitswes** 1982 Apr;44(4):232–4 **(Ger)**

[Magnitude of work loss: an integral index of the reactogenicity of an immune preparation] Sergiev VP. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):7–8 **(Rus)**

IMMUNOLOGY

Pneumococcal vaccines [letter] Carlson RE, et al. **Am Fam Physician** 1982 Feb;25(2):50, 55

Protective immunity against clinical toxoplasmosis in diary goats vaccinated with Hammondia hammondi and Hammondia heydorni. Dubey JP. **Am J Vet Res** 1981 Dec; 42(12):2068–70

Prevention of abortion and neonatal death due to toxoplasmosis by vaccination of goats with the nonpathogenic coccidium hammondia hammondi. Dubey JP. **Am J Vet Res** 1981 Dec;42(12):2155–7

Prospects for the development of malaria vaccines. Wernsdorfer WH. **Bull WHO** 1981;59(3):335–41

Another perspective on malaria vaccines [editorial] Desowitz RS. **Indian J Pediatr** 1982 Jan–Feb;49(396):9–13

Glucan as an adjuvant for a murine Babesia microti immunization trial. Benach JL, et al. **Infect Immun** 1982 Mar;35(3):947–51

Specific tumor immunity produced by the injection of vaccinia viral oncolysates. Wallack MK. **J Surg Res** 1982 Jul;33(1):11–6

Failure of killed Listeria monocytogenes vaccine to produce protective immunity. von Koenig CH, et al. **Nature** 1982 May 20;297(5863):233–4

Influence of hormonal and chemical bursectomy on the development of acquired immunity to coccidia in broiler chickens. Giambrone JJ, et al. **Poult Sci** 1981 Dec; 60(12):2612–8

Bovine babesiosis: the immunization of cattle with fractions of erythrocytes infected with Babesia bovis (syn B. argentina). Mahoney DF, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):145–56

Immunization of sheep against Theileria hirci infection with schizonts propagated in tissue culture. Hawa NJ, et al. **Vet Parasitol** 1981 Dec;9(2):91–7

[Immunization trials in mice against Toxoplasma gondii using attenuated oocysts] Leier H, et al. **Berl Munch Tierarztl Wochenschr** 1982 Apr 15;95(8):151–4 (Eng. Abstr.) **(Ger)**

[Problems and new developments in the area of prophylactic immunization] Huber HC. **ZFA (Stuttgart)** 1982 Feb 10; 58(4):189–92 **(Ger)**

ISOLATION & PURIFICATION

Animal cells or genetically engineered bacteria for the manufacture of particular bioproducts. Spier RE. **Dev Biol Stand** 1981;50:311–21

[Prospects for malaria blood stage vaccine (author's transl)] Rieckmann KH. **Bol Of Sanit Panam** 1982 Jan;92(1):77–80 **(Spa)**

PHARMACODYNAMICS

Effect of experimental herpes simplex virus vaccine on established ganglionic latency. Ohashi Y, et al. **Jpn J Ophthalmol** 1982;26(1):18–22

Vaccination to prevent transmission of Plasmodium yoelii malaria. Mendis KN, et al. **Parasite Immunol** 1982 Mar; 4(2):117–27

[Tolerance test of DPT vaccine in the hexobarbital test] Hillig VT, et al. **Z Gesamte Hyg** 1982 Feb;28(2):128–30 (Eng. Abstr.) **(Ger)**

STANDARDS

The use of highly concentrated purified (by a large scale method) and long term liquid nitrogen stored foot-and-mouth disease viruses for the preparation of vaccines: physico-chemical quality controls and potency tests after storage. Duchesne M, et al. **Dev Biol Stand** 1981; 50:249–59

Estimation of residual free formaldehyde in oil-emulsion vaccines. Chandler MD, et al. **J Biol Stand** 1982 Apr; 10(2):169–70

The antimicrobial effectiveness of some preservatives in inactivated human vaccines. Hekkens FE, et al. **J Biol Stand** 1981;9(3):277–85

Preparation and laboratory testing of a frozen vaccine containing Babesia bovis, Babesia bigemina and Anaplasma centrale. Mellors LT, et al. **Res Vet Sci** 1982 Mar; 32(2):194–7

VACCINES, ATTENUATED

Japanese encephalitis vaccine (2–8 strain) and parent (SA 14 strain) viruses in Culex tritaeniorhynchus mosquitoes. Chen BQ, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):403–7

A note on the attenuation of buffalopox virus. Dogra SC, et al. **Indian J Exp Biol** 1981 Jul;19(7):683–4

Bovine viral diarrhea virus (BVDV) serotiters stimulated in cattle in isolation and under field conditions by inactivated BVDV vaccine. McClurkin AW, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:223–31

Evaluation of a live Salmonella choleraesuis vaccine by intranasal challenge. Hanna J, et al. **Res Vet Sci** 1979 Mar; 26(2):216–9

Babesia divergens: the immunisation of splenectomised calves during irradiated piroplasms. Lewis D, et al. **Res Vet Sci** 1979 Mar;26(2):220–2

Vaccination of Jirds, Meriones unguiculatus, against Litomosoides carinii and Brugia pahangi using irradiate larvae of L. carinii. Storey DM, et al. **Tropenmed Parasitol** 1982 Mar;33(1):23–4

IMMUNOLOGY

Secretory and systemic immunological response in children infected with live attenuated influenza A virus vaccines. Murphy BR, et al. **Infect Immun** 1982 Jun;36(3):1102–8

Immunization of rabbits with zeolite absorbed Trypanosoma gambiense inactive vaccine. Ryu E, et al. **Int J Zoonoses** 1981 Jun;8(1):91–6

Study of the immunogenicity of trivalent inactivated whole-virion influenza vaccine in human volunteers. Moffat MA, et al. **J Biol Stand** 1982 Apr;10(2):83–90

Attenuation of turkey meningo–encephalitis virus in BHK21 cells. Barnard BJ, et al. **Onderstepoort J Vet Res** 1981 Jun; 48(2):105–8

Duration of immunity in dogs inoculated with an inactivated feline parvovirus vaccine. Chapek ML, et al. **VM SAC** 1981 Sep;76(9):1319–24

[Immunization of mice against sarcosporidia (Sarcocystis muris) with attenuated sporocysts] Leier H, et al. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15;95(12):231–5 (Eng. Abstr.) **(Ger)**

[Which influenza vaccination is the best – with whole virus, split vaccine or subunit vaccines?] Klenk HD, et al. **Med Welt** 1981 Jun 19;32(25):1008–9 **(Ger)**

ISOLATION & PURIFICATION

Attenuation of a strain of Eimeria mivati of U.S. origin by serial embryo passage. Long PL, et al. **Avian Dis** 1982 Apr–Jun;26(2):305–13

Quantification, characterisation and safety testing of foot–and–mouth disease virus antigens eluted from alhydrogel vaccines. Visser N, et al. **Dev Biol Stand** 1981; 50:277–83

THERAPEUTIC USE

Influenza vaccine response following its simultaneous application with BCG 1st report. Zykov MP, et al. **Z Erkr Atmungsorgane** 1981;156(3):203–11

VACCINIA

Studies on the possibilities to infect the cells of callus of Cassia fistula by an animal virus & induce production of interferon–like antiviral factor(s). Babbar OP, et al. **Indian J Exp Biol** 1981 Apr;19(4):349–55

DRUG THERAPY

Evaluation of ectodermal lesions in intravenous vaccinia infected mice as a method to investigate the antiviral activity of isatin beta–thiosemicarbazone derivative (TSK VI compound). Walter M, et al. **Arch Immunol Ther Exp (Warsz)** 1981;29(2):187–94

ETIOLOGY

Accidental oculofacial vaccinia. Dilmen U, et al. **Turk J Pediatr** 1982 Jan–Mar;24(1):49–51

[Accidental localized vaccinia. A report of six recent cases (author's transl)] Lejeune B, et al. **Sem Hop Paris** 1982 Jan 21;58(3):148–52 (Eng. Abstr.) **(Fre)**

[Generalized vaccinia on the burned skin in an infant] Kostrzewski JM. **Wiad Lek** 1982 Jan 1;35(1):75–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Translational control of early protein synthesis at the late stage of vaccinia virus infection. Vassef A, et al. **Virology** 1982 Apr 15;118(1):45–53

IMMUNOLOGY

In vivo immune stimulation by interferon during viral infection. Schellekens H, et al. **Antiviral Res** 1981 Sep; 1(3):179–83

Absence of a correlation between humoral and cellular responses to a vaccinia virus and products of the major histocompatibility complex in rhesus monkeys. Stitz L, et al. **Antiviral Res** 1981 Sep;1(3):193–9

Equivalent decrease of H–2Kk and H–2Dk expression after vaccinia virus infection. Lakdhar M, et al. **J Immunogenet** 1982 Apr;9(2):121–5

Virus–immune and alloreactive response characteristics of thymocytes and spleen cells from young mice. Schwartz DH, et al. **J Immunol** 1981 Oct;127(4):1411–4

OCCURRENCE

Vaccinia outbreak––Newfoundland. **MMWR** 1981 Sep 18; 30(36):453–5

PATHOLOGY

Histological and ultrastructural changes in skin following vaccinia virus inoculation in rabbits. Nath P, et al. **Indian J Pathol Microbiol** 1982 Jan;25(1):7–10

VACCINIA VIRUS

[The behavior of animal cells/cultivated in the presence of lysozyme and infected with vaccinia virus] Callerio Babudieri D, et al. **Boll Ist Sieroter Milan** 1981;60(6):480–8 **(Ita)**

[Ability of vaccinia viruses to induce expression of p30 retroviruses in continuous mouse cell lines] Merekalova ZI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):710–12 **(Rus)**

ANALYSIS

Poxvirus DNA. Holowczak JA. **Curr Top Microbiol Immunol** 1982;97:27–79 (264 ref.)

Isolation of the complementary strands of vaccinia virus DNA. Pogo BG. **Intervirology** 1981;15(3):161–4

Preparation of subviral particles from vaccinia virions irradiated with ultraviolet light. Soloski M, et al. **J Virol Methods** 1980;1(4):185–95

DRUG EFFECTS

The effect of dipyridamole on the multiplication of vaccinia virus in RK13 cells. Bańkowski A, et al. **Acta Virol (Praha)** 1981 Jul;25(4):256

Antiviral activity of substituted 6–methylmercaptopyrazolo(3,4–d)pyrimidines and their ribosides. Bektemirov TA, et al. **Acta Virol (Praha)** 1981 Sep;25(5):326–9

[Effect of phenol on virus concentration and associated bacteria in a suspension of vaccinia virus at different temperatures] Mihăilescu R, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun; 40(2):149–54 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Effects of S–adenosylhomocysteine analogues on vaccinia viral messenger ribonucleic acid synthesis and methylation. Pugh CS, et al. **Biochemistry** 1982 Mar 30;21(7):1535–41

Genetic evidence for vaccinia virus–encoded DNA polymerase: isolation of phosphonoacetate–resistant enzyme from the cytoplasm of cells infected with mutant virus. Moss B, et al. **J Virol** 1982 Aug;43(2):673–8

Methylation of 5'–5' confronting dinucleotides by vaccinia associated enzyme system. Urushibara T, et al. **Nucleic Acids Symp Ser** 1981;(10):237–40

GENETICS

Incompletely base–paired flip–flop terminal loops link the two DNA strands of the vaccinia virus genome into one uninterrupted polynucleotide chain. Baroudy BM, et al. **Cell** 1982 Feb;28(2):315–24

Distinctive nucleotide sequences adjacent to multiple initiation and termination sites of an early vaccinia virus gene. Venkatesan S, et al. **Cell** 1981 Sep;25(3):805–13

The inhibition of vaccinia virus replication by 5,6–dichloro–1–beta–D–ribofuranosylbenzimidazole (DRB): an effect at the assembly stage. Pothier P, et al. **J Gen Virol** 1981 Jul;55(Pt 1):87–94

Extension of the transcriptional and translational map of the left end of the vaccinia virus genome to 21 kilobase pairs. Cooper JA, et al. **J Virol** 1981 Sep;39(3):733–45

Restriction enzyme mapping of vaccinia virus DNA. DeFilippes FM. **J Virol** 1982 Jul;43(1):136–49

Mapping and identification of the vaccinia virus thymidine kinase gene. Hruby DE, et al. **J Virol** 1982 Aug;43(2):403–9

Control of expression of the vaccinia virus thymidine kinase gene. Hruby DE, et al. **J Virol** 1981 Nov;40(2):456–64

Deletion of a 9,000–base–pair segment of the vaccinia virus genome that encodes nonessential polypeptides. Moss B, et al. **J Virol** 1981 Nov;40(2):387–95

Analysis of vaccinia virus transcriptional complexity in vitro and in vivo: characterization of RNase T1–resistant 5'–terminal oligonucleotides. Whitkop C, et al. **J Virol** 1982 May;42(2):734–41

Transcriptional and translational mapping of a 6.6–kilobase–pair DNA fragment containing the junction of the terminal repetition and unique sequence at the left end of the vaccinia virus genome. Wittek R, et al. **J Virol** 1981 Sep;39(3):722–32

Colinearity of RNAs with the vaccinia virus genome: anomalies with two complementary early and late RNAs result from a small deletion or rearrangement within the inverted terminal repetition. Wittek R, et al. **J Virol** 1982 May;42(2):447–55

Molecular genetics of vaccinia virus: demonstration of marker rescue. Nakano E, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1593–6

Mapping of the vaccinia virus thymidine kinase gene by marker rescue and by cell–free translation of selected mRNA. Weir JP, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):1210–4

Complementation and genetic linkage between vaccinia virus temperature–sensitive mutants. Drillien R, et al. **Virology** 1982 Jun;119(2):372–81

Biogenesis of vaccinia: molecular basis for the hemagglutination–negative phenotype of the IHD–W strain. Shida H, et al. **Virology** 1982 Feb;117(1):219–37

Translational control of early protein synthesis at the late stage of vaccinia virus infection. Vassef A, et al. **Virology** 1982 Apr 15;118(1):45–53

GROWTH & DEVELOPMENT

Effect of glycosylation inhibitors on the release of enveloped vaccinia virus. Payne LG, et al. **J Virol** 1982 Feb; 41(2):367–75

In vitro studies of a co–carcinogenic effect of vaccinia and herpes group viruses. Mazurenko NP, et al. **Neoplasma** 1981;28(4):403–12

Biogenesis of vaccinia: involvement of spicules of the envelope during virion assembly examined by means of conditional lethal mutants and serology. Essani K, et al. **Virology** 1982 Apr 30;118(2):279–92

Proteolytic activation of vaccinia virus for the penetration phase of infection. Ichihashi Y, et al. **Virology** 1982 Jan 15;116(1):297–305

Biogenesis of vaccina: interrelationship between post–translational cleavage, virus assembly, and maturation. Silver M, et al. **Virology** 1982 Mar;117(2):341–56

IMMUNOLOGY

Absence of a correlation between humoral and cellular responses to a vaccinia virus and products of the major histocompatibility complex in rhesus monkeys. Stitz L, et al. **Antiviral Res** 1981 Sep;1(3):193–9

Prevention of syngeneic tumor growth in vaccinia virus–primed mice by immunization with vaccinia virus–modulated tumor cells. Wu KS, et al. **Biken J** 1981 Dec;24(4):153–8

Development and loss of virus–specific thymic competence in bone marrow radiation chimeras and normal mice. Doherty PC, et al. **Immunol Rev** 1981;58:37–72 (89 ref.)

Serological relationships between poxviruses of different genera: studies with vaccinia virus and myxoma virus. Alcock SR. **J Comp Pathol** 1981 Oct;91(4):493–502

Induction of neonatal tolerance to H–2k in B6 mice does not allow the emergence of T cells specific for H–2k plus vaccinia virus. Schwartz DH, et al. **J Exp Med** 1982 Sep 1;156(3):810–21

Induction of antimyelin and antioligodendrocyte antibodies by vaccinia virus. An experimental study in the mouse. Steck AJ, et al. **J Neuroimmunol** 1981 Mar;1(1):117–24

Specific tumor immunity produced by the injection of vaccinia viral oncolysates. Wallack MK. **J Surg Res** 1982 Jul;33(1):11–6

[Laboratory markers of vaccinia virus in the vaccinia pulp, glycerinated vaccine and lyophilized suspension stored for 1 to 8 years at –25 degrees C] Mihancea N. **Rev Ig; [Bacteriol]** 1981 Jul–Sep;26(3):191–7 **(Rum)**

ISOLATION & PURIFICATION

Comparative analysis of the degree of specific humoral immunity, content of serum immunoglobulins and isolation of vaccinia virus in children with post–vaccinal encephalitis after smallpox vaccination. Gurvich EB. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):311–20

Uptake of vaccinia virus by Tetrahymena pyriformis. Pérez–Prieto S, et al. **Microbiol Esp** 1981;34:29–43

METABOLISM

Interaction between vaccinia virus and human blood platelets. Bik T, et al. **Blood** 1982 Mar;59(3):482–7

2'–5'–Linked oligo(adenylic acid) and its analogs. A new class of inhibitors of mRNA methylation. Goswami BB, et al. **J Biol Chem** 1982 Jun 25;257(12):6867–70

PATHOGENICITY

The pathogenicity of IC and L–IVP vaccinia virus strains. Mihancea N, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun;40(2):127–36

[Cocarcinogenic action of vaccinia and herpes simplex viruses in tissue culture] Mazurenko NP, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):3–10 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Characterization of intracellular and extracellular vaccinia virus variants: N1–isonicotinoyl–N2–3–methyl–4–chlorobenzoylhydrazin interferes with cytoplasmic virus dissemination and release. Hiller G, et al. **J Virol** 1981 Sep;39(3):903–13

Viral tropisms in mouse brain cell cultures. Beranek CF, et al. **Med Microbiol Immunol (Berl)** 1982;170(3):201–8

Interactions between human neutrophils and vaccinia virus: induction of oxidative metabolism and virus inactivation. Jones JF. **Pediatr Res** 1982 Jul;16(7):525–9

Modification of membrane permeability in vaccinia virus–infected cells. Carrasco L, et al. **Virology** 1982 Feb; 117(1):62–9

Inhibition of cellular protein synthesis by vaccinia virus surface tubules. Mbuy GN, et al. **Virology** 1982 Jan 15; 116(1):137–47

Evidence against involvement of host transcription in the replication of vaccinia and herpes simplex viruses. Silver M, et al. **Virology** 1982 Apr 15;118(1):214–8

VACUOLATING AGENT see **SV40 VIRUS**

VACUOLES see under **ORGANOIDS**

VACUUM see under **ATMOSPHERIC PRESSURE**

VACUUM CURETTAGE see under **DILATATION AND CURETTAGE**

VACUUM EXTRACTION, OBSTETRICAL see under **EXTRACTION, OBSTETRICAL**

VAGINA

The first vaginal examination for a healthy young woman. Practical procedures. Koadlow E. **Aust Fam Physician** 1982 Feb;11(2):107–8

Small bowel prolapse through the vaginal vault. Astill AN. **Aust NZ J Obstet Gynaecol** 1982 Feb;22(1):59–60

An improved light source for vaginal specula. O'Neil G, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):106

A vaginal applicator flange for use with the Selectron. Papworth R, et al. **Br J Radiol** 1982 Jun;55(654):452–3

Polyurethane contraceptive vaginal sponge: product

modifications resulting from user experience. Aznar R, et al. **Contraception** 1981 Sep;24(3):235–44

Vaginal administration of ethinylestradiol: effects on ovulation and hepatic transcortin synthesis. Schwartz U, et al. **Contraception** 1982 Mar;25(3):253–9

Pelvic examination: patient safety and comfort. Hamilton MS, et al. **JOGN Nurs** 1981 Sep–Oct;10(5):344–5

Effect of chronic douching with polyvinylpyrrolidone–iodine on iodine absorption and thyroid function. Safran M, et al. **Obstet Gynecol** 1982 Jul;60(1):35–40

An unusual vagina foreign body [letter] Zaaijman JD, et al. **S Afr Med J** 1982 Jan 9;61(2):33

The female prostate [letter] Longo VJ. **Urology** 1982 Jul; 20(1):108–9

[Disintegration of vaginal tablets used in Hungary and critical evaluation of control methods. Proposal for the application of a new control method] Keseru P, et al. **Acta Pharm Hung** 1982 Mar;52(2):76–80 (Eng. Abstr.) **(Hun)**

ABNORMALITIES

The improvement of fertility at women with bicervical bicornuate uterus and double vagina. Sîrbu P, et al. **Acta Eur Fertil** 1981 Sep;12(3):199–212 **(Eng, Fre)**

Vaginal malformations. Evans TN, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):910–20

Reconstruction of the vagina with sensory function. Song R, et al. **Clin Plast Surg** 1982 Jan;9(1):105–8

Surgical technique for the correction of pneumo- and arovagina. Pouret EJ. **Equine Vet J** 1982 Jul;14(3):249–50

Combined medical and surgical treatment for transverse vaginal septum associated with anovulation. Beyth Y, et al. **Fertil Steril** 1982 May;37(5):704–6

Vaginal septa frequency influenced by major histocompatibility complex, H-2. Bonner JJ. **J Immunogenet** 1981 Dec;8(6):455–8

Vaginal agenesis and the gonads. De RC, et al. **J Indian Med Assoc** 1981 Oct 1;77(7):105–9

Vaginal amplification using a posterolateral Y-V plasty. Braren V. **J Urol** 1981 Nov;126(5):645–7

Prevalence of urinary tract abnormalities in a large series of patients with uterovaginal atresia. D'Alberton A, et al. **J Urol** 1981 Nov;126(5):623–4

Single vaginal ectopic ureter and the VATER syndrome. Sotolongo JR Jr, et al. **J Urol** 1982 Jun;127(6):1181–2

Mayer–Rokitansky–Küster–Hauser syndrome. Congenital absence of vagina. Chervenak FA, et al. **NY State J Med** 1982 Jan;82(1):23–6

Pregnancy following repair of anal and vaginal atresia and bladder exstrophy. Mariona FG, et al. **Obstet Gynecol** 1982 May;59(5):653–5

Pregnancy success following surgical correction of imperforate hymen and complete transverse vaginal septum. Rock JA, et al. **Obstet Gynecol** 1982 Apr; 59(4):448–51

Congenital vaginal stenosis: subcutaneous repair. Poma PA. **Proc Inst Med Chic** 1982 Jan–Mar;35(1):1–2

Urethral coitus. Shukla VK, et al. **Urology** 1982 May; 19(5):542–3

[Operative treatment of congenital absence of vagina—a simplified vaginoplasty (author's transl)] Deng XG. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):36–7 **(Chi)**

[Construction of vagina with peritoneum (author's transl)] Zhu ZJ. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Jan; 17(1):50–2 **(Chi)**

[Morphological evaluation of the neovagina performed by neoplastics with a free skin-graft in women with Rokitanský–Küster's syndrome (author's transl)] Hořejší J, et al. **Cesk Gynekol** 1980 Nov;45(9):631–3 (Eng. Abstr.) **(Cze)**

[Sexual life of women after creation of a vagina with a free skin-flap in treatment of Rokitansky-Küster syndrome] Raboch J Jr, et al. **Cesk Gynekol** 1981 Feb;46(1):48 **(Cze)**

[Infantile hydrometrocolpos] Bünger EH. **Ugeskr Laeger** 1981 Jul 6;143(28):1772–3 (Eng. Abstr.) **(Dan)**

[McKusick–Kaufman syndrome in a new born girl (author's transl)] Castel Y, et al. **Arch Fr Pediatr** 1982 Jan;39(1):3–7 (Eng. Abstr.) **(Fre)**

[Association of renal agenesis and genital malformation in the young girls. Comments apropos of 2 cases] Dodat H, et al. **Pediatrie** 1982 Jan–Feb;37(1):41–7 (Eng. Abstr.) **(Fre)**

[Congenital hydrometrocolpos] Zsonda L, et al. **Orv Hetil** 1982 Jun 20;123(25):1555–7 **(Hun)**

[Uterus didelphys with imperforate hemivagina. Clinical cases] Candiani GB, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):233–43 (Eng. Abstr.) **(Ita)**

[The elastic tissue of the lamina propria in some malformations of the vagina and cervix] Carinelli SG, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):270–7 (Eng. Abstr.) **(Ita)**

[Rokitansky–Küster–Hauser syndrome: Vecchietti's colpoplasty in vaginal aplasia] Abelli G, et al. **Minerva Med** 1981 Nov 10;72(44):2983–6 (Eng. Abstr.) **(Ita)**

[The Kaufman–McKusick syndrome. Report of a second family] Gilli G, et al. **Pathologica** 1981 Sep–Oct; 73(1027):831–4 (Eng. Abstr.) **(Ita)**

[Mayer–Rokitansky–Küster–Hauser syndrome. Apropos of 3 cases] de Oliveira RR, et al. **AMB** 1981 Nov;27(11):323–5 (Eng. Abstr.) **(Por)**

[Etiology of vaginal and uterine abnormalities] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):43–6 (Eng. Abstr.) **(Rus)**

[Cytogenetic studies in Meyer–Rokitansky–Kuster–Hauser syndrome] Shcherev A, et al. **Akush Ginekol (Mosk)** 1982 Feb;(2):42–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Histochemical observations on the female reproductive tract of bats—II. Vaginal mucins of three species of bats. Sapkal VM, et al. **Cell Mol Biol** 1981;27(2–3):165–74

Distribution of pseudo-elastica and elastin in some human tissues during postnatal life. A light microscopy study. Fakan F, et al. **Folia Morphol (Praha)** 1982;30(1):64–9

Oestrogen receptors in the genital tract of the Australian marsupial Trichosurus vulpecula. Young CE, et al. **Gen Comp Endocrinol** 1982 Apr;46(4):417–27

Biochemical diagnosis of vaginitis: determination of diamines in vaginal fluid. Chen KC, et al. **J Infect Dis** 1982 Mar; 145(3):337–45

Histochemistry of uterovaginal sperm–host glands in Japanese Quail (Coturnix coturnix japonica) with reference to the period of oviposition. Renden JA, et al. **Poult Sci** 1981 Nov;60(11):2529–35

ANATOMY & HISTOLOGY

Observations on the anatomy of the rectovaginal pouch and septum. Kuhn RJ, et al. **Obstet Gynecol** 1982 Apr; 59(4):445–7

BLOOD SUPPLY

Effect of conjugated estrogens on vaginal blood flow in surgically menopausal women. Abrams RM, et al. **Am J Obstet Gynecol** 1982 Jun 15;143(4):375–8

Labial and vaginal blood volume responses to visual and tactile stimuli. Henson DE, et al. **Arch Sex Behav** 1982 Feb;11(1):23–31

Massive haemorrhage from vaginal varicose veins in patient with liver cirrhosis [letter] Eriksson LS, et al. **Lancet** 1982 May 22;1(8282):1180

CYTOLOGY

Lipid patterns in vaginal cells exfoliated from different physiologic conditions. Lahiri T, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):572–7

Quantitative autoradiographic analysis of in situ estrogen concentration by individual cell types of mouse target organs: dose–uptake study. Holderegger C, et al. **Biol Reprod** 1981 Nov;25(4):719–24

Surface morphology of uterine and vaginal epithelia in mice during normal postnatal development. Plapinger L. **Biol Reprod** 1982 Jun;26(5):961–72

Morphological alterations of basal cells of vaginal epithelium in neonatally oestrogenized mice. Mori T, et al. **Experientia** 1982 Mar 15;38(3):389–90

[Cytological and bacteriological examinations of the cervix and vagina. A review of the results obtained in a laboratory for analyses in Guadeloupe (author's transl)] Millan J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(7):655–60 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The influence of vitamin A on epithelial Langerhans' cells of murine buccal and vaginal mucosae. Hosking AR. **Aust Dent J** 1981 Jun;26(3):175–7

Surface changes in oviduct, uterus and vaginal cells of neonatal mice after estradiol-17 beta and the insecticide chlordecone (Kepone) treatment: a scanning electron microscopic study. Eroschenko VP. **Biol Reprod** 1982 May; 26(4):707–20

Effects of the climacteric and sequential mestranol and norethisterone on the cervix and genital tract. Paterson ME, et al. **Br J Obstet Gynaecol** 1982 Aug;89(8):657–64

Morphological effects of diethylstilbestrol on neonatal mouse uterus and vagina. Plapinger L. **Cancer Res** 1981 Nov;41(11 Pt 1):4667–77

Occurrence of permanent anovulation in mouse ovaries and permanent changes in the vaginal and uterine epithelia following neonatal treatment with large doses of 5 alpha-dihydrotestosterone. Iguchi T, et al. **Endocrinol Jpn** 1981 Apr;28(2):207–13

The age-dependent difference in the response of the vagina to the neonatal administration of testosterone propionate in Long–Evans female rats. Yoshida H, et al. **Experientia** 1981 Nov 15;37(11):1210–1

Effect of paramethasone acetate upon estrogen action. Cortés-Gallegos V, et al. **Fertil Steril** 1982 Mar;37(3):402–5

pH and the potential irritancy of douche formulations to the vaginal mucosa of the albino rabbit and rat. Kaminsky M, et al. **Food Chem Toxicol** 1982 Apr;20(2):193–6

Pharmacokinetics and pharmacodynamic effects of vaginal oestradiol administration from silastic rings in post-menopausal women. Englund DE, et al. **Maturitas** 1981 Aug;3(2):125–33

Endocrinological and clinical investigations in post-menopausal women following administration of vaginal cream containing oestriol. Haspels AA, et al. **Maturitas** 1981 Dec;3(3–4):321–7

Clinical, cytological and biological study of the intra-vaginal administration of oestriol (Ortho-Gynest) in post-menopausal patients. Wesel S, et al. **Maturitas** 1981 Dec;3(3–4):271–7

The vaginal epithelium response to digoxin therapy in menopause. Kitzis-Cohen R, et al. **Panminerva Med** 1981 Jan–Mar;23(1):51–4

[Vaginal trophism after treatment with estriol and HCG. Comparative histomorphological and biochemico-hormonal study] Scaglione V, et al. **Minerva Ginecol** 1981 Dec;33(12):1141–50 (Eng. Abstr.) **(Ita)**

[Effect of epidermal chalone on vaginal epithelial cell proliferation stimulated by estradiol] Ketlinskiĭ SA, et al. **Arkh Anat Gistol Embriol** 1981 Jul;81(7):64–71 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

High acid phosphatase levels as a possible false indicator of the presence of seminal fluid. Shaler RC, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):161–3

Vaginal, rectal, and oral acid phosphatase determination in a case of rape. Teixeira WR. **Am J Forensic Med Pathol** 1982 Jun;3(2):157–9

Ultrastructural localization of glucose-6-phosphatase and alkaline phosphatase in the vaginal epithelium of rat. Kang YH, et al. **J Morphol** 1982 Jan;171(1):1–10

[Method for differentiating between seminal and vaginal acid phosphatase] Dobisková M, et al. **Soud Lek** 1982 Jan; 27(1):11–3 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Genital antibody response to a parenteral gonococcal pilus vaccine. McChesney D, et al. **Infect Immun** 1982 Jun; 36(3):1006–12

[Immunological studies of the vaginal secretion in women using contraceptive preparations] Nalbanski B, et al. **Akush Ginekol (Sofiia)** 1981;20(4):337–40 (Eng. Abstr.) **(Bul)**

[Immunoglobulins of the vagina, cervical mucus and uterus] Koper R. **Ginekol Pol** 1981 Oct;52(10):941–45 (21 ref.) (Eng. Abstr.) **(Pol)**

INJURIES

The case against the missionary position. Smith LG. **J Med Soc NJ** 1982 Mar;79(3):228

Tampon-induced injuries. Gray MJ, et al. **Obstet Gynecol** 1981 Nov;58(5):667–8

A risk of waterskiing for women [letter] Gray HH. **West J Med** 1982 Feb;136(2):169

[Vaginal evisceration during coitus (author's transl)] Vukašinović D, et al. **Jugosl Ginekol Opstet** 1981 Dec; 21(5–6):129–30 (Eng. Abstr.) **(Scr)**

INNERVATION

A study of the sensory requirements for eliciting the pseudopregnancy response. Castro-Vasquez A, et al. **Brain Res** 1981 Dec 28;230(1–2):205–20

METABOLISM

Fluorimetric and microbiological assays of erythromycin concentrations in plasma and vaginal washings. Iliopoulou A, et al. **Br J Vener Dis** 1981 Aug;57(4):263–7

Nuclear uptake of radioactivity by cells of pituitary, brain, uterus, and vagina of the Asian musk shrew (Suncus murinus) following [3H] estradiol administration. Keefer DA, et al. **Gen Comp Endocrinol** 1982 May;47(1):125–30

Fate of metronidazole following intravaginal and intravenous administration to rabbits. Buttar HS. **J Toxicol Environ Health** 1982 Feb;9(2):305–16

Progesterone receptors in human oestrogen target tissues. van Haaften M, et al. **Maturitas** 1982 Apr;4(1):57–66

Nitroimidazoles in the canine prostate, vagina, and urethra. Nielsen OS, et al. **Prostate** 1981;2(1):71–8

Oral versus vaginal absorption in oestradiol in postmenopausal women. Effects of different particles sizes. Englund DE, et al. **Ups J Med Sci** 1981;86(3):297–307

MICROBIOLOGY

Vaginal colonization with resistant aerobic bacteria after antibiotic therapy for endometritis. Gibbs RS, et al. **Am J Obstet Gynecol** 1982 Jan 15;142(2):130–4

Vaginal colonization with Group B beta-hemolytic streptococcus as a risk factor for post-cesarean section febrile morbidity. Minkoff HL, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):992–5

Virologic study of the reproductive tract in dairy cows. Manspeaker JE, et al. **Am J Vet Res** 1982 Jun;43(6):1087–8

Variations in the vaginal bacterial flora: a preliminary report. Brown WJ. **Ann Intern Med** 1982 Jun;96(6 Pt 2):931–4

Vaginal colonization with Staphylococcus aureus in healthy women: a review of four studies. Guinan ME, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):944–7 (13 ref.)

Vaginal microbial flora: composition and influences of host physiology. Larsen B, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):926–30 (40 ref.)

Nasal and vaginal Staphylococcus aureus in young women: quantitative studies. Martin RR, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):951–3

Bacterial flora of the vagina during the menstrual cycle:

findings in users of tampons, napkins, and sea sponges. Smith CB, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):948–51

Isolation of Histophilus ovis from vaginal discharge in ewes in Canada [letter] Higgins R, et al. **Can Vet J** 1981 Dec; 22(12):395–6

Nonfermentative gram-negative bacilli encountered in specimens of obstetric patients: characterization, antibiotic sensitivity and clinical significance. Chen MS, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Jun;14(2):78–91

The effect of a contraceptive vaginal ring and oral contraceptives on the vaginal flora. Roy S, et al. **Contraception** 1981 Oct;24(4):481–91

The upper vaginal and cervical anaerobic flora in menopausal women. Blum M, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Sep;12(3):183–7

Vaginal isolates of Staphylococcus aureus associated with toxic shock syndrome. Barbour AG. **Infect Immun** 1981 Aug;33(2):442–9

Comparison of bacterial and fungal adherence to vaginal exfoliated epithelial cells and human vaginal epithelial tissue culture cells. Sobel JD, et al. **Infect Immun** 1982 Feb; 35(2):697–701

Bacteriologic studies in second-trimester pregnancy termination: a comparison of intra- and extra-amniotic methods. Reichman J, et al. **Int J Gynaecol Obstet** 1981 Oct;19(5):409–12

Mycoplasma hominis, Ureaplasma urealyticum, and Corynebacterium genitalium recovered from the lower genital tracts of adolescent women. Russo JF, et al. **Int J Gynaecol Obstet** 1981 Dec;19(6):461–6

Preliminary study of the flora in the lower genital tracts of sexually active adolescent females in relation to symptoms and inflammatory response. Russo JF, et al. **J Adolesc Health Care** 1981 Mar;1(3):217–20

Staphylococcus aureus in toxic-shock syndrome [letter] Bassaris HP, et al. **J Infect Dis** 1981 Oct;144(4):386–7

Anorectal and vaginal carriage of group B streptococci during pregnancy. Dillon HC Jr, et al. **J Infect Dis** 1982 Jun;145(6):794–9

Coccidioidomycosis in a neonate; maternal-infant transmission. Bernstein DI, et al. **J Pediatr** 1981 Nov; 99(5):752–4

The bacterial flora of the vaginal vestibule, urethra and vagina in premenopausal women with recurrent urinary tract infections. Pfau A, et al. **J Urol** 1981 Nov;126(5):630–4

Prophylactic efficacy of cinoxacin in recurrent urinary tract infection: biologic effects on the vaginal and fecal flora. Schaeffer AJ, et al. **J Urol** 1982 Jun;127(6):1128–31

Streptococcal wound infections caused by a vaginal carrier. Berkelman RL, et al. **JAMA** 1982 May 21;247(19):2680–2

Actinomyces in vaginal smears [editorial] Gupta PK, et al. **JAMA** 1982 Feb 26;247(8):1175–6

Vaginal spermicides and gonorrhea. Jick H, et al. **JAMA** 1982 Oct 1;248(13):1619–21

Absence of fluctuation in vaginal colonisation by Enterobacteriaceae during the menstrual cycle in patients with recurrent cystitis [letter] Botta GA, et al. **Lancet** 1981 Nov 14;2(8255):1116–7

Association of Trichomonas vaginalis with other microorganisms [letter] Mason PR, et al. **Lancet** 1982 May 8;1(8280):1067

Gardnerella vaginalis, anaerobes, and vaginal discharge. Taylor E, et al. **Lancet** 1982 Jun 19;1(8286):1376–9

[Demonstration of Chlamydia by means of vaginal cytology] Hilgarth M, et al. **Fortschr Med** 1982 Mar 11;100(10):391–2 (Eng. Abstr.) **(Ger)**

[Anaerobic microflora of praepubertal children (author's transl)] Gerstner G, et al. **Klin Padiatr** 1982 Jan;194(1):46–7 (Eng. Abstr.) **(Ger)**

[Vaginal contamination with yeasts in healthy women (author's transl)] Slunsky R. **Wien Klin Wochenschr** 1981 Mar 20;93(6):208–9 (Eng. Abstr.) **(Ger)**

[Comparative study of the flora of the vagina and oropharynx in vulvovaginitis in children] Balbi C, et al. **Arch Ostet Ginecol** 1980 May–Jun;85(3):191–4 **(Ita)**

[Vaginal microbial flora in pregnancy] Fraizzoli G, et al. **Minerva Ginecol** 1981 Nov;33(11):1021–4 (Eng. Abstr.) **(Ita)**

[Study of the bacterial flora associated with vaginitis caused by Candida albicans] Selvaggi L, et al. **Minerva Ginecol** 1981 Sep;33(9):863–6 (Eng. Abstr.) **(Ita)**

[Clinical and bacteriological study on microbial flora in the vagina. (3) Antibiotic susceptibility of group B streptococci isolated from the vagina of women (author's transl)] Ohashi H. **Kansenshogaku Zasshi** 1981 Mar;55(3):171–6 (Eng. Abstr.) **(Jpn)**

[Clinical and bacteriological study on microbial flora in the vagina. (4) The influences of lactobacilli to group B Streptococcus (GBS) an other flora and the variations of vaginal microbial flora by age (author's transl)] Ohashi H, et al. **Kansenshogaku Zasshi** 1981 May;55(5):373–80 (Eng. Abstr.) **(Jpn)**

[Bacteriologic findings on vaginal smears before and after treatment of ectopia of the vaginal part of the cervix uteri using cryotherapy] Dodić V, et al. **Srp Arh Celok Lek** 1981 Aug;109(8):1045–8 **(Scc)**

PARASITOLOGY

Myiasis of the vagina of a comatose women caused by Parasarcophaga ruficornis Fabricius. Sucharit S, et al. **J Med Assoc Thai** 1981 Nov;64(11):580–3

PATHOLOGY

Human genital candidiasis: histochemistry, scanning and transmission electron microscopy. García-Tamayo J, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):7–14

Dose-related changes in vaginal cytology after topical conjugated equine oestrogens. Dyer GI, et al. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):789

PHYSIOLOGY

Vaginal physiology during menstruation. Wagner G, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 2):921–3

Monitoring of the oestrus cycle in the rat by measurement of vaginal impedance. Taradach C. **Arch Toxicol [Suppl]** 1982;5:184–6

Twenty-one hour light-dark cycle accelerates vaginal opening in the rat. Lehrer S. **Bull NY Acad Med** 1981 Oct; 57(8):705–8

The effects of Danazol on the female genital tract of the rat. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):41–6

Oestrogenic activity of cyproterone acetate in female mice. Lohiya NK, et al. **Endokrinologie** 1981 Oct;78(1):21–7

Circumvaginal musculature and female sexual function: the past, present and future. Graber B. **J Sex Marital Ther** 1981 Spring;7(1):31–6

Estrogen deprivation and vaginal function in postmenopausal women. Semmens JP, et al. **JAMA** 1982 Jul 23;248(4):445–8

Modification of vaginal opening time in rats by light-dark cycle. Lehrer S. **Lab Anim Sci** 1981 Aug;31(4):405–6

TSH release during the estrous cycle of the rat: variations in responsiveness to cervicovaginal stimulation. Castro-Vazquez A, et al. **Neuroendocrinology** 1981; 33(4):193–8

Primary afferent and sacral dorsal horn neuron responses to vaginal probing in the cat. Price DD, et al. **Neurosci Lett** 1981 Oct;26(1):67–72

Fluctuations in nuclear and cytoplasmic size of vaginal and buccal epithelial cells reflect the time of the ovulation as well as the time of the day. Rietveld WJ, et al. **Prog Clin Biol Res** 1981;59C(00):109–14

Pregnancy diagnosis in cattle by measuring vaginal electrical resistance. McCaughey WJ. **Vet Res Commun** 1981 Sep; 5(1):85–90

Vaginal electrical resistance in cows: 2. Relationship to milk progesterone concentrations during the reproductive cycle. McCaughey WJ, et al. **Vet Res Commun** 1981 Sep; 5(1):77–84

Vaginal electrical resistance in cows: 1. Measurements in isolated reproductive tracts. McCaughey WJ, et al. **Vet Res Commun** 1981 Sep;5(1):73–6

RADIATION EFFECTS

Radiation changes in vaginal and cervical cytology in carcinoma of the cervix uteri. Gupta S, et al. **J Surg Oncol** 1982 Feb;19(2):71–3

RADIOGRAPHY

[Method of colpo-urethrocystography. Part I: Method-dependent reproducibility and interpretation of colpo-urethrocystograms – comparison between chain and wick techniques (author's transl)] Abet L, et al. **Zentralbl Gynakol** 1981;103(22):1373–82 (Eng. Abstr.) **(Ger)**

[Vaginography] Lemus M, et al. **Rev Chil Obstet Ginecol** 1979;44(6):322–7 (Eng. Abstr.) **(Spa)**

SECRETION

Persistence of miconazole in vaginal secretions after single applications. Implications for the treatment of vaginal candidosis. Odds FC, et al. **Br J Vener Dis** 1981 Dec; 57(6):400–1

Vaginal odors and secretions. Huggins GR, et al. **Clin Obstet Gynecol** 1981 Jun;24(2):355–77 (67 ref.)

Potentials for pheromones in chimpanzee vaginal fatty acids. Fox GJ. **Folia Primatol (Basel)** 1982;37(3–4):255–66

[Hyaluronidase concentration in vaginal secretions of patients with cervix carcinoma] Fantoni A, et al. **Arch Sci Med (Torino)** 1981 Oct–Dec;138(4):505–9 **(Ita)**

SURGERY

A new vaginal operation for recurrent and large rectocele using dermis transplant. Oster S, et al. **Acta Obstet Gynecol Scand** 1981;60(5):493–5

Sacrospinous fixation for massive eversion of the vagina. Nichols DH. **Am J Obstet Gynecol** 1982 Apr 1;142(7):901–4

Clinical and urodynamic effects of anterior colporrhaphy and vaginal hysterectomy for prolapse with and without incontinence. Stanton SL, et al. **Br J Obstet Gynaecol** 1982 Jun;89(6):459–63

Simultaneous onset of ulcerative colitis in the rectum and in a segment of colon used for colpopoiesis: report of a case. Descos L, et al. **Dis Colon Rectum** 1981 Oct; 24(7):532–4

Anterior colporrhaphy technique to shorten a pathologically long anterior vaginal wall. Nichols DH. **Int Surg** 1979 Aug–Oct;64(5):69–71

Single dose of tinidazole in prophylaxis in infections following vaginal surgery. Karhunen M, et al. **J Antimicrob Chemother** 1981 Oct;8(4):283–90

Treatment of urinary stress incontinence with anterior colporrhaphy. Beck RP, et al. **Obstet Gynecol** 1982 Mar; 59(3):269–74

Retropubic vaginopexy for correction of urinary stress incontinence. Muzsnai D, et al. **Obstet Gynecol** 1982 Jan; 59(1):113–8

[Continued evaluation of results of surgical management of female congenital adrenal hyperplasia. Report on 48 cases (author's transl)] Nihoul-Fekete C, et al. **Arch Fr Pediatr** 1982 Jan;39(1):13–6 (Eng. Abstr.) **(Fre)**

[Artificial vagina through lyodura (dura mater cerebri) (author's transl)] Beller FK, et al. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):313–5 (Eng. Abstr.) **(Ger)**

[Radiographic documentation of morphological alterations after vaginal repair (author's transl)] Bernaschek G, et al. **Geburtshilfe Fraunheilkd** 1982 Mar;42(3):178–81 (Eng. Abstr.) **(Ger)**

[Complementary colpopexy after total hysterectomy] Guidi P. **Minerva Ginecol** 1982 Jan–Feb;34(1–2):87–9 **(Ita)**

[Colpocleisis paramediana – our modification of the Neugebauer-Le Fort operation making possible sexual intercourse and facilitating access to the uterine cervix] Jaworski E. **Ginekol Pol** 1981 Jan;52(1):79–82 (Eng. Abstr.) **(Pol)**

[One-stage colpopoiesis with the use of the small-pelvis peritoneum and laparoscope] Selezneva ND, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):33–4 (Eng. Abstr.) **(Rus)**

[Elaboration of the methods for connection of artificial vagina with the functioning uterus] Sherstnev BF. **Akush Ginekol (Mosk)** 1981 Sep;(9):35–6 **(Rus)**

ULTRASTRUCTURE

3-D microanatomy of human reproductive organs. Hafez ES. **Prog Clin Biol Res** 1981;59B:331–6

VAGINAL CREAMS, FOAMS AND JELLIES

ANALYSIS

Analysis of conjugated estrogens in a vaginal cream formulation by capillary gas chromatography. Pillai GK, et al. **J Pharm Sci** 1982 May;71(5):583–5

PHARMACODYNAMICS

Demonstration of a spirocheticidal effect by chemical contraceptives on Treponema pallidum. Singh B, et al. **Bull Pan Am Health Organ** 1982;16(1):59–64

VAGINAL DISEASES

CHEMICALLY INDUCED

Morphological effects of diethylstilbestrol on neonatal mouse uterus and vagina. Plapinger L. **Cancer Res** 1981 Nov;41(11 Pt 1):4667–77

DES-related vaginal lesions. Ostergard DR. **Clin Obstet Gynecol** 1981 Jun;24(2):379–94

COMPLICATIONS

True hermaphroditism with hydrocolpos. Renders G, et al. **Eur Urol** 1982;8(1):29–31

[Hydrocolpos in infants with urinary retention] Bisballe S, et al. **Ugeskr Laeger** 1981 Mar 16;143(12):756–7 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Factitious illness in gynecology. Hustead RM, et al. **Obstet Gynecol** 1982 Feb;59(2):214–9

[Differential diagnostic possibilities based on algorithms from histological study in cervical and vaginal diseases] Khmel'nitskiĭ OK, et al. **Arkh Patol** 1981;43(11):81–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Vaginal involvement in familial benign chronic pemphigus (Morbus Hailey-Hailey). Václavínková V, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):80–1

Combined systemic and topical treatment of trichomoniasis vaginalis with azanidazol. Marchionni M, et al. **Clin Exp Obstet Gynecol** 1981;8(1):18–20

A new vaginal smear assay for vitamin A in rats. Sietsema WK, et al. **J Nutr** 1982 Aug;112(8):1481–9

The biological activity of retinotaurine. Skare KL, et al. **J Nutr** 1982 Aug;112(8):1626–30

[Econazole in the treatment of mycotic colpitis (author's transl)] Kobilková J, et al. **Sb Lek** 1982 Apr;84(4):111–4 (Eng. Abstr.) **(Cze)**

[Advantages of short-term therapy in vaginal mycoses from a socio-psychological viewpoint] Rausch KD, et al. **Fortschr Med** 1982 Mar 11;100(10):393–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Vaginal enterobiasis [letter] Bak M, et al. **Acta Cytol (Baltimore)** 1982 Mar–Apr;26(2):264–5

Secondary vaginal atresia: a case report. Rüttgers H, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):595–6

Possible mechanisms for vaginal infection with

Staphylococcus aureus: inferences drawn from studies of nosocomial infection of newborn infants and surgical patients. Mortimer EA. **Ann Intern Med** 1982 Jun;96(6 Pt 2):934–6

Vaginal stenosis due to bullous erythema multiforme (Stevens–Johnson syndrome). Case report. Graham–Brown RA, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1156–7

Tampon effects on vaginal health. Friedrich EG Jr. **Clin Obstet Gynecol** 1981 Jun;24(2):395–406

Vaginal evisceration. Choo YC, et al. **Int J Gynaecol Obstet** 1981 Aug;19(4):313–7

[A case of Behçet's disease with predominantly genital localization] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):248–51 **(Ita)**

[Recognition of the importance of Leptothrix vaginalis in the pathology of female genitalia] Berić B, et al. **Med Pregl** 1981;34(3–4):181–3 **(Scr)**

MICROBIOLOGY

A prospective study of group B streptococcal colonization in parturient mothers and their infants. Chow KK, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):79–83

PATHOLOGY

Single bifid ectopic left ureter presenting clinically as a vaginal cyst. Kjaeldgaard A, et al. **Diagn Gynecol Obstet** 1981 Winter;3(4):321–4

Cysts of the vulva and vagina: a comparative study. Junaid TA, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):239–43

[Vaginal adenosis—a report of 37 cases (author's transl)] Cao QS. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan; 16(1):33–5 **(Chi)**

[Adenosis vaginae] Gábor SL, et al. **Orv Hetil** 1981 Mar 1;122(9):525–6 **(Hun)**

PSYCHOLOGY

The treatment of vaginismus by the gynecologist: an eclectic approach. Reamy K. **Obstet Gynecol** 1982 Jan;59(1):58–62

[Coital problems in women] Denk Z. **Cesk Gynekol** 1981 Sep;46(8):630–3 **(Cze)**

[Vaginism – a surgical or consultative problem? (author's transl)] Wenderlein JM. **Geburtshilfe Frauenheilkd** 1982 Apr; 42(4):316–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Vaginography] Lemus M, et al. **Rev Chil Obstet Ginecol** 1979;44(6):322–7 (Eng. Abstr.) **(Spa)**

SURGERY

Sacrospinous fixation for massive eversion of the vagina. Nichols DH. **Am J Obstet Gynecol** 1982 Apr 1;142(7):901–4

THERAPY

Vesicovaginal fistula following hypogastric embolization for control of intractable pelvic hemorrhage. Behnam K, et al. **J Reprod Med** 1982 May;27(5):304–6

[Coital problems in women] Denk Z. **Cesk Gynekol** 1981 Sep;46(8):630–3 **(Cze)**

VAGINAL FISTULA

COMPLICATIONS

Unilateral renal agenesis associated with vaginal or cervical fistula and anomalous uterine development. Goldstein AI, et al. **J Reprod Med** 1981 Nov;26(11):571–3

[Abortion of a 5–month pregnancy caused by fistula cervicolaqueatica] Pekhlivanov K. **Akush Ginekol (Sofiia)** 1981;20(5):418–9 **(Bul)**

ETIOLOGY

[Uretero–vaginal fistula following cesarean section] Rosdy E, et al. **Orv Hetil** 1982 Apr 4;123(14):857–8 **(Hun)**

RADIOGRAPHY

Vaginography: a presentation of new cases and subject review. Cooper RA. **Radiology** 1982 May;143(2):421–5

SURGERY

Urethrovaginal and vesicovaginal fistula. A review of 29 patients. Henriksson C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):143–8

Treatment of persistent perineal sinus with vaginal fistula following proctocolectomy for Crohn's disease. Ward MW, et al. **Br J Surg** 1982 Apr;69(4):228–9

[Treatment of uretero–vaginal fistula by percutaneous nephrostomy and ureteral stent] Courtois C. **Acta Urol Belg** 1982 Jan;50(1):76–86 (Eng. Abstr.) **(Fre)**

VAGINAL NEOPLASMS

CHEMICALLY INDUCED

Clear cell adenocarcinoma and the current status of DES–exposed females. Herbst AL. **Cancer** 1981 Jul 15;48(2 Suppl):484–8

Vaginal adenosis and adenocarcinoma in mice exposed prenatally or neonatally to diethylstilbestrol. Newbold RR, et al. **Cancer Res** 1982 May;42(5):2003–11

Role of Hormones including diethylstibestrol (DES) in the pathogenesis of cervical and vaginal intraepithelial neoplasia. Robboy SJ, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S98–110 (48 ref.)

Development of clear cell adenocarcinoma in DES–exposed offspring under observation. Kaufman RH, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):68S–72S

The current status of the DES–exposed population. Herbst AL. **Obstet Gynecol Annu** 1981;10:267–78 (38 ref.)

COMPLICATIONS

Pyoderma gangrenosum, vesicovaginal fistula and endometriosis. A case report. Keyzer C, et al. **S Afr Med J** 1982 May 29;61(22):843–5

DIAGNOSIS

Solitary plasmocytoma of the vagina. Osanto S, et al. **Acta Haematol (Basel)** 1981;66(2):140–4

Verrucous squamous cell carcinoma of the vagina; case report. Report of a case and review of the literature. Jones MJ, et al. **Cleve Clin Q** 1981 Summer;48(2):305–13

Pseudosarcoma botryoides of the vagina in pregnancy. O'Quinn AG, et al. **Gynecol Oncol** 1982 Apr;13(2):237–41

Cytodiagnosis of primary malignant melanoma at unusual sites. Acharya GS, et al. **Indian J Cancer** 1982 Mar; 19(1):35–9

Vaginal clear cell adenocarcinoma in pregnancy. Jacobs AJ, et al. **J Reprod Med** 1982 May;27(5):287–90

Vaginal ectopic ureter: a continuing diagnostic challenge. Giles DJ, et al. **West J Med** 1982 May;136(5):436–9

DRUG THERAPY

Study on antiblastomogenic action of epidermal chalones. II. Effect of epidermal chalones on carcinogenesis in the vagina. Okulov VB, et al. **Exp Pathol** 1981;20(1):1–5

Topical 5–fluorouracil treatment of vaginal intraepithelial neoplasia. Caglar H, et al. **Obstet Gynecol** 1981 Nov; 58(5):580–3

ETIOLOGY

Epidermoid carcinoma of the vagina in a patient with cerebral gigantism. Seyedabadi S, et al. **J Arkansas Med Soc** 1981 Aug;78(3):123–7

Painful traumatic neuroma of the vaginal cuff. Cauble WG. **J Kans Med Soc** 1982 Jan;83(1):10–1

[Invasive carcinoma of the vaginal cupula after hysterectomy. Probable etiological factors and preventive measures] Guercio E, et al. **Minerva Ginecol** 1981 Dec;33(12):1125–30 (Eng. Abstr.) **(Ita)**

METABOLISM

Cholesterol metabolism in cancer cells in monolayer culture. VI. Metabolism of high–density lipoprotein. Gal D, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):726–33

PATHOLOGY

Preleukemic granulocytic sarcoma of cervix and vagina: initial manifestation by cytology. Spahr J, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):55–60

A light and electron microscopic study of bowenoid papulosis. Faber M, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):397–403

Endometrial stomal tumors of extra–uterine tissue. Ulbright TM, et al. **Am J Clin Pathol** 1981 Oct;76(4):371–7

Mixed tumors of the vagina. A clinicopathological analysis of eight cases. Sirota RL, et al. **Am J Surg Pathol** 1981 Jul;5(5):413–22

Intramural papilloma of the vagina: evidence of Müllerian histogenesis. Ulbright TM, et al. **Cancer** 1981 Nov 15; 48(10):2260–6

Vaginal condylomata: a human papillomavirus infection. Roy M, et al. **Clin Obstet Gynecol** 1981 Jun;24(2):461–83

Brenner tumor of the vagina. Chen KT. **Diagn Gynecol Obstet** 1981 Fall;3(3):255–8

Neoplasms of the vagina following cervical carcinoma. Choo YC, et al. **Gynecol Oncol** 1982 Aug;14(1):125–32

Squamous cell carcinoma of the vagina: a clinical study of the location of the tumor. Houghton CR, et al. **Gynecol Oncol** 1982 Jun;13(3):365–72

Primary malignant melanoma of the vagina and cervix uteri. Report of a case with ultrastructural study. Genton CY, et al. **Virchows Arch [Pathol Anat]** 1981;393(2):245–50

[Condylomatous changes in the cervix, vagina and vulva] Meisels A, et al. **Gynakologe** 1981 Dec;14(4):254–63 **(Ger)**

[Definition of the terms 'parakeratosis' and 'dyskeratosis' from gynecocytological point of view (author's transl)] Nauth HF. **Z Hautkr** 1981 Dec 15;56(24):1552–63 (Eng. Abstr.) **(Ger)**

[Neuroma of the tactile endings of the vaginal wall] Glukhovets BI, et al. **Arkh Patol** 1981;43(11):63–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Epidermoid cyst of the paravaginal space located only by computerized axial tomography. A case report. Livengood CH 3d, et al. **J Reprod Med** 1982 Mar;27(3):176–8

RADIOTHERAPY

Combined therapy as an alternative to exenteration for locally advanced vulvo–vaginal cancer: rationale and results. Boronow RC. **Cancer** 1982 Mar 15;49(6):1085–91

Long–term follow–up in radiation therapy of carcinoma of the vagina. Perez CA, et al. **Cancer** 1982 Mar 15; 49(6):1308–15

SECONDARY

Angiographic aspects of renal cell carcinoma metastatic to the female genitalia. Stefani P, et al. **Cardiovasc Intervent Radiol** 1981;4(3):183–6

Vaginal recurrence of adenocarcinoma of the endometrium. Phillips GL, et al. **Gynecol Oncol** 1982 Jun;13(3):323–8

[A proposal of clinical staging of choriocarcinoma based on an intensive study of 870 cases (author's transl)] Song HZ. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Oct;16(4):225–8 **(Chi)**

SURGERY

Laser therapy of vaginal intraepithelial neoplasia. Capen CV, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):973–6

Pelvic exenteration for vulvovaginal carcinoma. Phillips B, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1038–44

Treatment of vaginal carcinoma in situ with the carbon dioxide laser. Townsend DE, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):565–8

Treatment of vaginal carcinoma with laser photoirradiation following administration of haematoporphyrin derivative. Report of a case. Soma H, et al. **Ann Chir Gynaecol** 1982; 71(2):133–6

Enlarged vulvo–colpectomy in gynaecological oncology. Brigato G, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):194–7

Laser treatment of condylomata acuminata in pregnancy. Malfetano JH, et al. **J Reprod Med** 1981 Nov;26(11):574–6

Treatment of prolapsed submucous fibroids. Riley P. **S Afr Med J** 1982 Jul 3;62(1):22–4

[A case of extensive endometriosis (author's transl)] de Brux J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981; 10(8):807–11 (Eng. Abstr.) **(Fre)**

[Condylomata acuminata gigantea in pregnancy—treatment of a clinical case] Jeske D. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):249–50 **(Ger)**

THERAPY

Diagnosis and treatment of primary vaginal carcinoma in situ and dysplasia. Punnonen R, et al. **Acta Obstet Gynecol Scand** 1981;60(5):513–4

The treatment of vaginal recurrences of gynecologic malignancy with phototherapy following hematoporphyrin derivative pretreatment. Ward BG, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):356–7

Thirty–two years experience in management of primary tumours of the vagina. Al–Kurdi M, et al. **Br J Obstet Gynaecol** 1981 Nov;88(11):1145–50

Invasive cancer of the vagina. Smith WG. **Clin Obstet Gynecol** 1981 Jun;24(2):503–15

Carcinoma in situ of the vagina. Woodruff JD. **Clin Obstet Gynecol** 1981 Jun;24(2):485–501

Adenocarcinoma of Vagina; combined surgery and radiation with preservation of genital function. Nori D, et al. **NY State J Med** 1981 Nov;81(12):1777–8

Immunotherapy for gynecologic malignancies. Cohen CJ, et al. **Prog Clin Biol Res** 1981;70:371–4 (22 ref.)

VAGINAL PROLAPSE see UTERINE PROLAPSE

VAGINAL SMEARS

Diagnostic marker displays for intermediate cells from the uterine cervix. Bartels PH, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):29–34

Value of duplicate smears in cervical cytology. Davis JR, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):533–8

Psammoma bodies found in cervicovaginal and/or endometrial smears. Fujimoto I, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):317–22

Bare Trichomonas vaginalis nuclei in cervicovaginal smears [letter] Hollander DH. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):96–7

Atypical cells in pregnancy and postpartum smears. Murad TM, et al. **Acta Cytol (Baltimore)** 1981 Nov–Dec; 25(6):623–30

Enterobius vermicularis in a vaginal wet smear [letter] Saraswathi TR, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb; 26(1):97

Frequency and reliability of diagnostic cytology of the female genital tract. Wied GL, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):543–9

Cervical cytology screening of non–gynaecological female hospital inpatients. Duncan GR, et al. **Aust NZ J Obstet Gynaecol** 1981 May;21(2):113–5

The value of a Pap smear program and suggestions for its implementation. Boyes DA. **Cancer** 1981 Jul 15;48(2 Suppl):613–21

The abnormal Pap smear—what to do next? Creasman WT, et al. **Cancer** 1981 Jul 15;48(2 Suppl):515–22

Adolescents with abnormal cervical cytology. Schydlower M, et al. **Clin Pediatr (Phila)** 1981 Nov;20(11):723–6

Cervical cancer screening: the pap smear. **Consensus Dev Conf Summ Natl Inst Health** 1980;3:27–31

Cervical cytology as a screening method. Höffken H, et al. **Curr Top Pathol** 1981;70:21–65

Postcoital testing in women during menotropin therapy. Skaf RA, et al. **Fertil Steril** 1982 Apr;37(4):514–9

Diagnostic and prognostic value of colpocytosmears in threatened abortion in the first half of pregnancy. Hristamian S **Folia Med (Plovdiv)** 1981;23(3–4):24–9

Screening protocols for cervical neoplastic disease. Barron BA, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S156–67

Appropriateness of cervical cancer screening. Eddy DM. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S168–87 (77 ref.)

Optimizing ages for cervical smear examinations in followed healthy individuals. Galliher HP. **Gynecol Oncol** 1981 Oct; 12(2 Pt 2):S188–205

Workup of the patient with an abnormal Papanicolaou smear. Richart RM, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S265–76

Cytologic, colposcopic, and histologic correlation in young females. Creatsas G, et al. **J Adolesc Health Care** 1981 Sep; 2(1):35–40

The Pap smear, how often? The gynecologist perspective. The Oncology Committee, Georgia State Obstetrical and Gynecological Society. **J Med Assoc Ga** 1981 Aug; 70(8):557–9

Mass pap smear screening in Columbia, South Carolina. Anderson MA, et al. **J SC Med Assoc** 1981 Nov; 77(11):543–4

Pap smears: access to hospital outpatients of nongynecological services. Kizilbash M, et al. **J Surg Oncol** 1981;18(2):143–6

The yearly Pap test--a necessity for American women. Peck SD. **JAOA** 1982 May;81(9):625–31

The appearance and grouping of mixtures of semen and vaginal material. Davies A. **Med Sci Law** 1982 Jan; 22(1):21–30

The rationalization for infrequent pap smears. Twiggs LB. **Minn Med** 1982 Feb;65(2):87–9

False-negative cytology rates in patients in whom invasive cervical cancer subsequently developed. Morell ND, et al. **Obstet Gynecol** 1982 Jul;60(1):41–5

Cervical cytology screening in two Yorkshire areas: results of testing. Parkin DM, et al. **Public Health** 1982 Jan; 96(1):3–14

[Estimation of expected date of confinement and pregnancy overdue by examination of smear from labia minora (author's transl)] Jin SF. **Chung Hua Fu Chan Ko Tsa Chih** 1982 Apr;17(2):77–9 **(Chi)**

[Vaginal cytological examinations in Denmark] Lynge E. **Ugeskr Laeger** 1982 Jan 11;144(2):124–9 (Eng. Abstr.) **(Dan)**

[Cell deposition for automatic prescreening of gynecologic preparations] Otto K. **Acta Histochem [Suppl] (Jena)** 1980; 21:137–45 **(Ger)**

[Directed colposcopic-cytologic diagnosis in cervical intraepithelial neoplasia (CIN) (author's transl)] Naujoks H, et al. **Geburtshilfe Frauenheilkd** 1982 Jun;42(6):468–71 (Eng. Abstr.) **(Ger)**

[Experiences with a rapid culture test for identification of Candida in an out-patient gynecological clinic] Grünberger W, et al. **Gynakol Rundsch** 1982;22(2):107–12 **(Ger)**

[On the practical value of microscopic examination of urethral and cervical smears in gonorrhoea] Weismann K, et al. **Z Hautkr** 1982 Jun 1;57(11):803–9 (Eng. Abstr.) **(Ger)**

[Results of gynecologic cancer screening, including cytological studies, in Budapest (1976–1978)] Miklós B, et al. **Orv Hetil** 1981 Mar 1;122(9):509–11 **(Hun)**

[The current role of colpocytology, colposcopy and diathermocoagulation in lesions of the uterine cervix] Mutti P, et al. **Minerva Ginecol** 1981 Nov;33(11):1033–44 (69 ref.) (Eng. Abstr.) **(Ita)**

[Comparison of dubious and positive cervical cytological examinations for neoplasms and correlated histological examinations made 1970–1980 at the Savona Hospital] Ballerini D, et al. **Pathologica** 1981 Sep–Oct; 73(1027):793–803 (Eng. Abstr.) **(Ita)**

[Pollen granules and other plant findings in cervico-vaginal smears] Accorsi CA, et al. **Quad Selavo Diagn** 1981 Sep; 17(3):342–55 (Eng. Abstr.) **(Ita)**

[Various aspects of estrogenic activity in menopause. IV. Correlation between the number of years after onset of menopause and the types of cells in vaginal smears and the cytohormonal estrogenic effects according to the Meisels technic] Dzieciuchowicz L. **Ginekol Pol** 1981 Aug; 52(8):719–22 (Eng. Abstr.) **(Pol)**

[Cytological screening of cervical carcinoma] Sloboda J, et al. **Cesk Gynekol** 1981 Apr;46(3):197–8 **(Slo)**

ECONOMICS

Cost effectiveness of population screening and rescreening for cervical cancer in the Netherlands. Boon ME, et al. **Acta Cytol (Baltimore)** 1981 Sep–Oct;25(5):539–42

INSTRUMENTATION

A comparison of the Vabra aspirator and the Mimark endometrial sampler in the screening of postmenopausal women. Wren BG. **Aust NZ J Obstet Gynaecol** 1982 Feb; 22(1):43–5

METHODS

Segmentation of Papanicolaou smear images. Lin YK, et al. **Anal Quant Cytol** 1981 Sep;3(3):201–6

Paired cervical smears: a method of reducing the false-negative rate in population screening. Beilby JO, et al. **Obstet Gynecol** 1982 Jul;60(1):46–8

Rehydration of air dried Pap smears in a regional clinical laboratory. Larson BW, et al. **SD J Med** 1982 Apr; 35(4):25–6

[Automated analysis of cervical smears. II. - Automated discrimination between normal, dysplasic and cancer cells (author's transl)] Pasteur X, et al. **Arch Anat Cytol Pathol** 1981;29(5):282–6 (Eng. Abstr.) **(Fre)**

[Foundations for differential cytology of cervical changes. 1. Introduction and methods (author's transl)] Höffken H, et al. **Zentralbl Gynakol** 1981;103(24):1489–99 (Eng. Abstr.) **(Ger)**

VETERINARY

Time of mating and associated changes in the vaginal smear of the post-parturient Mongolian gerbil (Meriones unguiculatus). Norris ML, et al. **Lab Anim** 1981 Apr; 15(2):193–8

Technique for collecting vaginal mucus from cattle. Thornber PM. **Vet Rec** 1981 Dec 19;109(25–26):564

VAGINITIS

CHEMICALLY INDUCED

[Complication following the vaginal use of potassium permanganate for an abortion] Atanasov A, et al. **Akush Ginekol (Sofiia)** 1981;20(4):355–7 **(Bul)**

COMPLICATIONS

[Cervico-vaginitis and sterility] Capone N, et al. **Minerva Ginecol** 1982 Mar;34(3):165–9 **(Ita)**

DIAGNOSIS

Diagnosis of amebic vaginitis from cervicovaginal smears. Walter A. **Acta Cytol (Baltimore)** 1982 May–Jun; 26(3):378–9

Biochemical diagnosis of vaginitis: determination of diamines in vaginal fluid. Chen KC, et al. **J Infect Dis** 1982 Mar; 145(3):337–45

Dysuria in adolescent girls: urinary tract infection or vaginitis? Demetriou E, et al. **Pediatrics** 1982 Aug; 70(2):299–301

Controversies in the management of vaginitis. McCue JD. **Primary Care** 1981 Dec;8(4):635–42

[Incidence and clinical importance of Haemophilus vaginalis (Corynebacterium vaginalis) (author's transl)] Tiesler E, et al. **Geburtshilfe Frauenheilkd** 1982 Jun;42(6):482–5 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Vaginitis revisited [editorial] **Br Med J [Clin Res]** 1981 Sep 19;283(6294):745–6

Use of topical benzydamine in gynecology. Bentivoglio G, et al. **Clin Exp Obstet Gynecol** 1981;8(3):103–10

Adult vaginitis. Fleury FJ. **Clin Obstet Gynecol** 1981 Jun; 24(2):407–38

Systemic absorption of conjugated estrogenic cream by the irradiated vagina. Hintz BL, et al. **Gynecol Oncol** 1981 Aug; 12(1):75–82

Non-specific vaginitis: its diagnosis and treatment. Teare EL, et al. **J Antimicrob Chemother** 1981 Dec;8(6):496–7

Treatment of Hemophilus vaginalis vaginitis [letter] Perloe M, et al. **Obstet Gynecol** 1982 Feb;59(2):268

A comparison of treatment of vaginitis. Ahmed MY. **Practitioner** 1982 Feb;226(1364):353

Controversies in the management of vaginitis. McCue JD. **Primary Care** 1981 Dec;8(4):635–42

[Diagnosis and therapy of vulvovaginal mycosis (author's transl)] Obolensky W, et al. **Ther Umsch** 1981 Oct; 38(10):1040–2 (Eng. Abstr.) **(Ger)**

[Intravaginal treatment of colpitis maculosa with an oestriol-containing vaginal cream (author's transl)] Schröck A, et al. **Wien Klin Wochenschr** 1981 Dec 11; 93(23):713–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Aetiology and management of non-specific vaginitis. Dattani IM, et al. **Br J Vener Dis** 1982 Feb;58(1):32–5

Vaginitis revisited [letter] Bhattacharyya MN. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1126

Vaginitis revisited [letter] Dawson SG, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1333–4

Gardnerella vaginalis, anaerobes, and vaginal discharge. Taylor E, et al. **Lancet** 1982 Jun 19;1(8286):1376–9

Behavioral factors and vaginitis. Ervin CT, et al. **Nurse Pract** 1982 Feb;7(2):20–1

MICROBIOLOGY

Vaginitis in sexually active women: relationship to nine sexually transmitted organisms. Osborne NG, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):962–7

In vitro susceptibility of Gardnerella vaginalis and Bacteroides organisms, associated with nonspecific vaginitis, to sulfonamide preparations. Jones BM, et al. **Antimicrob Agents Chemother** 1982 Jun;21(6):870–2

The role of Gardnerella vaginalis in nonspecific vaginitis. Vontver LA, et al. **Clin Obstet Gynecol** 1981 Jun; 24(2):439–60

Haemophilus vaginalis vaginitis (Corynebacterium vaginale). Chandramuki A, et al. **Indian J Pathol Microbiol** 1981 Jul; 24(3):145–9

Preliminary study of the flora in the lower genital tracts of sexually active adolescent females in relation to symptoms and inflammatory response. Russo JF, et al. **J Adolesc Health Care** 1981 Mar;1(3):217–20

Comparison of culture and microscopy in the diagnosis of Gardnerella vaginalis infection. Ison CA, et al. **J Clin Pathol** 1982 May;35(5):550–4

Rapid identification of Corynebacterium vaginale in non-purulent vaginitis. Wells JI, et al. **J Clin Pathol** 1981 Aug;34(8):917–20

Anaerobic curved rods in vaginitis [letter] Hjelm E, et al. **Lancet** 1981 Dec 12;2(8259):1353–4

Anaerobic curved rods in vaginitis [letter] Phillips I, et al. **Lancet** 1982 Jan 23;1(8265):221

Comma-shaped bacteria associated with vaginitis [letter] Skarin A, et al. **Lancet** 1982 Feb 6;1(8267):342–3

Anaerobic curved rods in vaginitis [letter] Sprott MS, et al. **Lancet** 1982 Jan 2;1(8262):54

Vaginitis associated with vaginal malodour. Barton A, et al. **Med J Aust** 1981 Sep 5;2(5):245–6

Polymicrobial nature of vaginitis in young women: a microbiological and therapeutic study. Kippax RA, et al. **NZ Med J** 1982 Mar 24;95(704):173–6

Vulvovaginitis in prepubertal girls: the importance of group A Streptococcus. Schwartz RH, et al. **South Med J** 1982 Apr;75(4):446–7

[Occurrence of B-streptococci in parturients (author's transl)] Moholi K, et al. **Zentralbl Gynakol** 1982;104(5):294–301 (Eng. Abstr.) **(Ger)**

[Longitudinal studies into alterations of vaginal flora during pregnancy on the basis of modern perinatal medicine (author's transl)] Rossner B, et al. **Zentralbl Gynakol** 1982; 104(5):288–93 (Eng. Abstr.) **(Ger)**

[Study of the bacterial flora associated with vaginitis caused by Candida albicans] Selvaggi L, et al. **Minerva Ginecol** 1981 Sep;33(9):863–6 (Eng. Abstr.) **(Ita)**

[Characteristics of Ureaplasma urealyticum strains isolated from patients with inflammation of the urogenital tract] Zgórniak-Nowosielska I, et al. **Med Dosw Mikrobiol** 1980; 32(4):285–93 (Eng. Abstr.) **(Pol)**

[Evaluation of the methods used in microbiological diagnosis of mycoses and Trichomonas infections of the genital tract] Szymanowska B, et al. **Wiad Lek** 1981 Oct 1;34(19):1611–4 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Incidence of herpes virus (HSV-2) alterations in squamous cells of vagina epithelium (author's transl)] Djelmiš J, et al. **Zentralbl Gynakol** 1981;103(21):1309–14 (Eng. Abstr.) **(Ger)**

THERAPY

[Use of low-frequency ultrasound in treating nongonococcal colpitis and cervicitis] Letuchikh AA, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):41–3 (Eng. Abstr.) **(Rus)**

VAGOTOMY

Treatment of perforated duodenal ulcer by vagotomy-associated antrectomy. Kotsis L, et al. **Acta Chir Acad Sci Hung** 1980;21(1):25–30

The acid secretory response to betazole and insulin hypoglycemia after selective proximal vagotomy for duodenal ulcer. Nilsell K, et al. **Acta Chir Scand** 1981; 147(6):431–4

Parietal cell vagotomy and truncal vagotomy as treatment of duodenal ulcer. A prospective randomized trial. Selking O, et al. **Acta Chir Scand** 1981;147(7):561–7

Effect of parietal cell vagotomy on gastric emptying in duodenal ulcer disease. Horton JW, et al. **Am J Surg** 1982 Jan;143(1):86–9

Morphologic and functional evidence of reinnervation of the gastric parietal cell mass after parietal cell vagotomy. Joffe SN, et al. **Am J Surg** 1982 Jan;143(1):80–5

Enflurane suppression of complex ventricular dysrhythmias. Smith M, et al. **Anesthesiology** 1982 Feb;56(2):148–50

Effect of bethanechol on gastric acid secretion and serum gastrin concentration after proximal gastric vagotomy. Feldman M, et al. **Ann Surg** 1982 Jul;196(1):14–7

The effect of vagotomy on gallbladder function and bile composition in man. Shaffer EA. **Ann Surg** 1982 Apr; 195(4):413–8

Selective gastric vagotomy and drainage for duodenal ulcer: a 10–13-year follow-up study. Siim C, et al. **Ann Surg** 1981 Dec;194(6):687–91

Treatment of gastric ulcer by parietal cell vagotomy and excision of the ulcer. Rationale and early results. Jordan PH Jr. **Arch Surg** 1981 Oct;116(10):1320–3

Recurrent ulceration after highly selective vagotomy for duodenal ulcer. Blackett RL, et al. **Br J Surg** 1981 Oct; 68(10):705–10

Polya gastrectomy for recurrent ulceration following vagotomy. Clark CG, et al. **Br J Surg** 1982 May; 69(5):259–60

Late results of proximal gastric vagotomy without drainage for duodenal ulcer: 5–9-year follow-up. de Miguel J. **Br J Surg** 1982 Jan;69(1):7–10

Do women do worse after proximal gastric vagotomy? Linhardt GE, et al. **Br J Surg** 1982 Jun;69(6):321–2

When vagotomy fails [editorial] Gillespie IE. **Br Med J [Clin Res]** 1982 Jun 19;284(6332):1815–6

Importance of symptoms after highly selective vagotomy. Salaman JR, et al. **Br Med J [Clin Res]** 1981 Nov 28; 283(6304):1438

Effect of vagotomy on the breathing pattern and exercise ability in emphysematous patients. Bradley GW, et al. **Clin Sci** 1982 Mar;62(3):311–9

The influence of selective pancreatic denervation on plasma insulin and glucose tolerance in dogs. Fischer U, et al. **Diabete Metab** 1982 Jun;8(2):115–20

Failure of gastric inhibitory polypeptide to inhibit pentagastrin-stimulated acid secretion in vagotomized human subjects. Simmons TC, et al. **Dig Dis Sci** 1981 Oct; 26(10):902–4

Effects of truncal vagotomy and antrectomy on bombesin-stimulated pancreatic secretion, release of gastrin, and pancreatic polypeptide in the anesthetized dog. Singer MV, et al. **Dig Dis Sci** 1981 Oct;26(10):871–7

Time-dependent effects of vagotomy on pancreatic polypeptide release. Taylor IL, et al. **Dig Dis Sci** 1982 Jun; 27(6):491–4

Effect of truncal vagotomy on functional and morphological changes produced by duodenogastric reflux. Thomas WE. **Dig Dis Sci** 1982 Jul;27(7):609–14

Inhibition of the isoprenaline-induced renin release by bilateral vagotomy is mediated by vasopressin. Knepel W, et al. **Endokrinologie** 1981 Mar;77(3):325–32

Effect of selective proximal and truncal vagotomy on canine gallbladder bile composition. Meijer S, et al. **Eur Surg Res** 1981;13(2):134–42

Recovery of gastric acid after vagotomy with and without a drainage. Örnsholt J, et al. **Eur Surg Res** 1982;14(1):56–64

Abdominal vagotomy attenuates drinking induced by intravenous infusion of various osmotic loads in the rat. Martin JR, et al. **Experientia** 1982 Jan 15;38(1):105–6

Gastric emptying and sieving of solid food and pancreatic and biliary secretion after solid meals in patients with truncal vagotomy and antrectomy. Mayer EA, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):184–92

Bile acid and lysolecithin concentrations in the stomach in patients with duodenal ulcer before operation and after treatment by highly selective vagotomy, partial gastrectomy, or truncal vagotomy and drainage. Dewar P, et al. **Gut** 1982 Jul;23(7):569–77

Effects of fundic vagotomy and cholinergic replacement on pentagastrin dose responsive gastric acid and pepsin secretion in man. Hirschowitz BI, et al. **Gut** 1982 Aug; 23(8):675–82

Distribution of a liquid meal within the stomach and gastric emptying after vagotomy and drainage operations. Lawaetz O, et al. **Gut** 1982 Aug;23(8):683–91

Effect of highly selective vagotomy on pancreatic exocrine function and on cholecystokinin and gastrin release. Ramus NI, et al. **Gut** 1982 Jul;23(7):553–7

Proximal gastric vagotomy after five years. Storey DW, et al. **Gut** 1981 Sep;22(9):702–4

Patterns of small intestinal motility in duodenal ulcer patients before and after vagotomy. Thompson DG, et al. **Gut** 1982 Jun;23(6):517–23

Truncal vagotomy in morbid obesity. Kral JG, et al. **Int J Obes** 1981;5(4):431–5

Follow-up study in 402 patients after parietal cell vagotomy for duodenal ulcer. Romeo G, et al. **Int Surg** 1981 Oct–Dec; 66(4):303–6

Chronological changes in acid phosphatase activity within neurons and perineuronal satellite cells of the inferior vagal ganglion of the cat induced by vagotomy. Glover RA. **J Anat** 1982 Mar;134 (Pt 2):215–25

Vagotomy reverses apnea induced by high-frequency oscillatory ventilation. Thompson WK, et al. **J Appl Physiol** 1981 Dec;51(6):1484–7

Pancreatic exocrine function after truncal and highly selective vagotomy. Mikhailidis DP, et al. **J Clin Pathol** 1981 Sep;34(9):963–4

Vagotomy for treatment of obesity in childhood due to Prader-Willi syndrome. Fonkalsrud EW, et al. **J Pediatr Surg** 1981 Dec;16(6):888–9

Effect of arterial [H+] on threshold PCO2 of the respiratory system in vagotomized and carotid sinus nerve denervated cats. Kuwana S, et al. **J Physiol (Lond)** 1981 Sep;318:223–37

Antral proliferation of G cells after truncal, parietal cell, and antral vagotomy. Magallanes F, et al. **J Surg Res** 1982 Apr; 32(4):377–81

Effect of body temperature on respiratory frequency in vagotomized rabbits. Kobayasi S, et al. **Jpn J Physiol** 1981; 31(3):433–7

Possible physiological advantages of parietal cell vagotomy. Jordan PH Jr. **Jpn J Surg** 1981;11(6):485–92 (44 ref.)

The effect of vagotomy on the satiety effects of neuropeptides and naloxone. Morley JE, et al. **Life Sci** 1982 May 3 30(22):1943–7

Chronic truncal vagotomy: its effects on the weight and function of the rat's pancreas. Tiscornia OM, et al. **Mt Sinai J Med (NY)** 1981 Jul–Aug;48(4):295–304

Effect of abdominal vagotomy on the estrous cycle of the rat and the induction of pseudopregnancy. Burden HW, et al. **Neuroendocrinology** 1981;33(4):218–22

Abdominal vagotomy does not block the satiety effect of bombesin in the rat. Smith GP, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):409–11

A non-invasive test for completeness of vagotomy to the pancreas. Louis-Sylvestre J, et al. **Physiol Behav** 1981 Jun; 26(6):1125–7

Sleep-related apneic and apneustic breathing following pneumotaxic lesion and vagotomy. Baker TL, et al. **Respir Physiol** 1981 Dec;46(3):271–94

Inspiratory muscle activity during rebreathing in intact and vagotomized rabbits. D'Angelo E. **Respir Physiol** 1982 Feb; 47(2):193–218

Effect of vagotomy on the conjugated bile acids in the dog. Vaquero-Puerta C, et al. **Rev Esp Fisiol** 1981 Dec; 37(4):443–6

Cimetidine treatment of recurrent ulcer after proximal gastric vagotomy. Berstad A, et al. **Scand J Gastroenterol** 1981; 16(7):891–6

Impaired pancreatic innervation after selective gastric vagotomy. Reduction of the pancreatic polypeptide response to food and insulin hypoglycemia. Løvgren NA, et al. **Scand J Gastroenterol** 1981;16(6):811–6

Proximal gastric vagotomy and anterior fundoplication as complementary procedures to Heller's operation for achalasia. Gallone L, et al. **Surg Gynecol Obstet** 1982 Sep; 155(3):337–41

Evaluation of vagotomy by the Hollander-Congo red test. Ziliotto A Jr, et al. **Surg Gynecol Obstet** 1982 Aug; 155(2):212–20

Evidence for vagus-dependent pancreatic polypeptide-releasing factor in the antrum: studies with the autotransplanted dog pancreas. Debas HT, et al. **Surgery** 1982 Aug;92(2):309–14

Clinical study of extended proximal gastric vagotomy for duodenal ulcer. Wei TC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Dec;80(12):1275–82

Numerical variation of parietal cells after vagotomy in cases of duodenal ulcer. Amano K. **Tohoku J Exp Med** 1981 Oct;135(2):165–78

A long term study of the iron status of patients following vagotomy. Lappin TR, et al. **Ulster Med J** 1981;50(2):88–94

Highly selective vagotomy for chronic duodenal ulcer a clinical report. Raje D, et al. **West Indian Med J** 1981 Sep; 30(3):137–41

[The early results of highly selective vagotomy in the treatment of duodenal ulcer (author's transl)] Wang CS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Jan;81(1):119–26 (Eng. Abstr.) **(Chi)**

[Duodenal ulcer treated with truncal vagotomy and drainage. 259 consecutive operations in a Danish central hospital] Cetti R, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):707–10 (Eng. Abstr.) **(Dan)**

[Parietal cell vagotomy in duodenal ulcer. Results in 119 patients 1–9 year after operation] Schulze S, et al. **Ugeskr Laeger** 1982 Mar 8;144(10):710–3 (Eng. Abstr.) **(Dan)**

[One hundred cases of highly selective vagotomy without pyloroplasty for duodenal ulcer, with a follow-up of 4 to 8 years (author's transl)] Henrion C, et al. **Acta Chir Belg** 1982 Mar-Apr;(2):85–9 (Eng. Abstr.) **(Fre)**

[Supra-selective vagotomy in the treatment of perforated duodenal ulcers. Thirty cases report (author's transl)] Ronsse H, et al. **Ann Chir** 1981 Sep;35(7):480–3 (Eng. Abstr.) **(Fre)**

[Fundus (proximal) vagotomy for uncomplicated duodenal ulcer (author's transl)] Hautefeuille P. **Chirurgie** 1981 Jun; 107(7):533–5 (Eng. Abstr.) **(Fre)**

[The value of endoscopy in the assessment of results supra-selective vagotomy (author's transl)] Rives J, et al. **Chirurgie** 1981;107(6):467–74 (Eng. Abstr.) **(Fre)**

[Variations in post-small bowel resection gastric acid hypersecretion and hyper-gastrinemia after vagotomy and antrectomy. Experimental study in rat (author's transl)] Rius X, et al. **J Chir (Paris)** 1981 Jul-Aug;118(6–7):407–11 (Eng. Abstr.) **(Fre)**

[The anatomical basis and sources of error of selective and supraselective gastric vagotomies (author's transl)] Trinh VM, et al. **J Chir (Paris)** 1981 Dec;118(12):725–38 (Eng. Abstr.) **(Fre)**

[Vagotomy in perforated gastroduodenal ulcers] Pedinielli L, et al. **Minerva Chir** 1981 Dec 15–31;36(23–24):1701–2 **(Fre)**

[Clinical and secretory results of the highly selective vagotomy. Study of sixty cases (author's transl)] Cabrera JJ, et al. **Sem Hop Paris** 1981 Nov 8–25;57(41–42):1731–5 (Eng. Abstr.) **(Fre)**

[Supra-selective vagotomy in the treatment of perforated duodenal ulcers. Thirty cases report (author's transl)] Ronsse H, et al. **Sem Hop Paris** 1982 Feb 18;58(7):407–10 (Eng. Abstr.) **(Fre)**

[Results of thoracic vagotomy for stomal ulceration following Billroth I gastric resection (author's transl)] Kieninger G, et al. **Langenbecks Arch Chir** 1982; 356(3):181–9 (Eng. Abstr.) **(Ger)**

[The recurrent ulcer patient following selective proximal vagotomy in the treatment of duodenal ulcer (author's transl)] Linder MM, et al. **Langenbecks Arch Chir** 1982; 356(3):175–80 (Eng. Abstr.) **(Ger)**

[Enteral resorption in the immediate postoperative phase following selective proximal vagotomy] Weiner R, et al. **Z Exp Chir** 1981;14(5):265–72 (Eng. Abstr.) **(Ger)**

[The role of gastrin in duodenal ulceration (author's transl)] Lorenz D, et al. **Zentralbl Chir** 1982;107(4):193–9 (Eng. Abstr.) **(Ger)**

[Serum gastrin and gastric acid level following vagotomy without pyloroplasty and partial gastrectomy (BI) (author's transl)] Petermann J, et al. **Zentralbl Chir** 1982;107(4):200–6 (Eng. Abstr.) **(Ger)**

[The effects of truncal vagotomy on rat gastric mucosa] Breda M, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15; 57(19):1963–8 (Eng. Abstr.) **(Ita)**

[Inhibiting effect of somatostatin on duodenal gastrin secretion] Micali B, et al. **Chir Ital** 1982 Jun;34(3):389–92 **(Ita)**

[The role of surgery in comparisons of peptic ulcer before and after the discovery of H2 receptor blockaders in the light of personal experience] Romeo G, et al. **Minerva Chir** 1982 Mar 15;37(5):369–73 **(Ita)**

[Effect of vagal stimulation on synthesis of pulmonary surfactant –Maintenance of compliance by Positive. End-expiratory pressure (author's transl)] Mori N. **Masui** 1981 Aug;30(8):788–95 (Eng. Abstr.) **(Jpn)**

[Electromyographic study of the gastric motility after atypical selective proximal vagotomy (author's transl)] Fukuda T. **Nippon Heikatsukin Gakkai Zasshi** 1981 Jun; 17(2):59–69 (Eng. Abstr.) **(Jpn)**

[An electromyographic study of effects of pyloroplasty on gastric motility following selective proximal vagotomy in dogs (author's transl)] Mashiko H. **Nippon Heikatsukin Gakkai Zasshi** 1981 Sep;17(3):115–30 (Eng. Abstr.) **(Jpn)**

[Experimental studies on mechanism of formation and prevention of cimetidine and vagotomy in stress ulcer (author's transl)] Urakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1370–9 (Eng. Abstr.) **(Jpn)**

[Proximal gastric vagotomy at a local hospital] Hansen MB, et al. **Tidsskr Nor Laegeforen** 1982 Jan 10;102(1):40–1 **(Nor)**

[Effect of highly selective vagotomy on the gastric, intestinal and gallbladder motor activity] Waluk R, et al. **Pol Tyg Lek** 1981 Mar 9;36(10):361–4 (Eng. Abstr.) **(Pol)**

[Esophageal denervation determined by superselective vagotomy] Barroso FL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Dec;36(6):248–51 (Eng. Abstr.) **(Por)**

[Proximal gastric vagotomy in the treatment of gastric ulcer. Results] Gamma-Rodrigues JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Jun;36(3):102–8 (Eng. Abstr.) **(Por)**

[Opinions concerning the unitary classification of late sequelae in gastric surgery] Gheorghescu B. **Rev Med Interna [Med Interna]** 1981 Jul–Aug; 33(4):295–301 (25 ref.) (Eng. Abstr.) **(Rum)**

[Wave structure of heart rhythm in the early postoperative period after vagotomy] Kuterman EM. **Anesteziol Reanimatol** 1982 Mar-Apr;(2):29–32 (Eng. Abstr.) **(Rus)**

[Effect of vagotomy on the formation and development of a chronic experimental (acetate) ulcer of the duodenum in rats] Eletskii IuK, et al. **Arkh Patol** 1982;44(1):54–8 (Eng. Abstr.) **(Rus)**

[Influence of vagotomy on gastric histamine secretion and the secretion-inhibiting effect of cimetidine] Grolsman SD, et al. **Biull Eksp Biol Med** 1982 May;93(5):42–5 (Eng. Abstr.) **(Rus)**

[Effect of the antral branches of the vagus nerve on parietal pH in the acid-producing area of the stomach after selective proximal vagotomy] Kogut BM, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):14–7 (Eng. Abstr.) **(Rus)**

[Duodenoplasty and selective proximal vagotomy] Onopriev VI, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):77–81 **(Rus)**

[Secretory function of the stomach after selective proximal vagotomy] Pomelov VS, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):33–6 (Eng. Abstr.) **(Rus)**

[Effect of selective proximal vagotomy on the protective barrier of the gastric mucosa] Postolov PM, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):6–10 (Eng. Abstr.) **(Rus)**

[Vagotomy in surgical treatment of stomach and duodenal ulcer] Vinnichenko AG, et al. **Khirurgiia (Mosk)** 1981 Sep; (9):30–2 (Eng. Abstr.) **(Rus)**

[Vagotomy in surgical treatment of peptic ulcer hemorrhage] Abakimian VA. **Klin Khir** 1981 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

[Effect of selective proximal vagotomy on gastric acid-producing function] Grinberg AA, et al. **Klin Khir** 1982 Jan;(1):32–6 (Eng. Abstr.) **(Rus)**

[Changes in the content of peripheral blood T- and B-lymphocytes in complicated duodenal ulcer after selective proximal vagotomy] Kirichenko BB. **Klin Khir** 1981 Aug;(8):8–11 (Eng. Abstr.) **(Rus)**

[Gastric secretory function at different times after selective proximal vagotomy] Medvedev VE, et al. **Klin Khir** 1982 Jan;(1):28–32 (Eng. Abstr.) **(Rus)**

[Acid-forming and enzyme-secretory functions of the stomach in peptic ulcer at remote periods after selective vagotomy] Shevchuk MG, et al. **Klin Khir** 1981 Aug;(8):4–6 (Eng. Abstr.) **(Rus)**

[Effect of subdiaphragmatic vagotomy on the pH profile of the wall of the gastrointestinal' tract of rats with chronic experimental duodenal ulcers] Tsibulevskiĭ AIu, et al. **Patol Fiziol Eksp Ter** 1982 Jan–Feb;(1):30–3 (Eng. Abstr.) **(Rus)**

[Selective proximal vagotomy in the treatment of complicated pyloroduodenal ulcers] Onopriev VI, et al. **Sov Med** 1982;(3):68–71 (58 ref.) **(Rus)**

[Clinical evaluation of vagotomy in peptic ulcer] Astrozhnikov IuV, et al. **Vestn Khir** 1982 Apr;128(4):23–7 (26 ref.) **(Rus)**

[Vagotomy in the treatment of complicated stomach and duodenal ulcer] Khokholia VP. **Vestn Khir** 1981 Sep; 127(9):143–6 (46 ref.) **(Rus)**

[Prognostic importance of surgical intragastric pH measurement during vagotomy in duodenal ulcer] Merkulov OA, et al. **Vestn Khir** 1982 Jan;128(1):65–9 **(Rus)**

[Causes of unreliability of parietal pH–metry of the stomach as the method of intraoperative monitoring of completeness of vagotomy] Merkulov OA, et al. **Vestn Khir** 1981 Dec; 127(12):30–3 (Eng. Abstr.) **(Rus)**

[Vagotomy in the treatment of stomach ulcer (a review of the foreign literature)] Nechai AI, et al. **Vestn Khir** 1981 Jul;127(7):125–9 (60 ref.) **(Rus)**

[Late results of vagotomy and gastric resection for pyloroduodenal ulcers] Sibul' UF, et al. **Vestn Khir** 1982 Apr;128(4):19–22 **(Rus)**

[Surgical treatment of duodenal ulcer (concerning A.A. Rusanov's article 'Vagotomy in gastric and duodenal ulcer')] Sitenko VM, et al. **Vestn Khir** 1981 Sep; 127(9):29–38 (Eng. Abstr.) **(Rus)**

[Vagotomy and gastrectomy in treatment of complicated gastroduodenal ulcers] Spivak VP, et al. **Vestn Khir** 1981 Dec;127(12):26–30 (Eng. Abstr.) **(Rus)**

[Cardial function after a proximal gastric vagotomy] Gómez N, et al. **Acta Gastroenterol Latinoam** 1981;11(2):261–71 (Eng. Abstr.) **(Spa)**

[Proximal gastric vagotomy; effect on parietal and non-parietal components of gastric secretion. Comparison with effects obtained with cimetidine] Castro Rial M, et al. **Rev Esp Enferm Apar Dig** 1981 Aug;60(2):137–48 (Eng. Abstr.) **(Spa)**

[Pre–pyloric antrectomy with truncal vagotomy and anterior pylorectomy as a treatment for duodenal ulcer] López Gibert J, et al. **Rev Esp Enferm Apar Dig** 1981 Sep; 60(3):277–84 (Eng. Abstr.) **(Spa)**

[Gastric resection with or without vagotomy for gastric or duodenal ulcer. Late follow–up (author's transl)] Csendes A, et al. **Rev Med Chil** 1981 Aug;109(8):720–7 (Eng. Abstr.) **(Spa)**

[Histamine and insulin stimulated acid secretion after supraselective vagotomy for duodenal ulcer (author's transl)] Csendes A, et al. **Rev Med Chil** 1981 Oct; 109(10):935–40 (Eng. Abstr.) **(Spa)**

[Proximal gastric vagotomy for duodenal ulcer. Experience with 56 patients (author's transl)] Jara L, et al. **Rev Med Chil** 1981 Nov;109(11):1076–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Irreversible esophageal motor dysfunction in postvagotomy dysphagia. Gelfand MD. **Am J Gastroenterol** 1981 Oct; 76(4):347–50

Gastric emptying and dumping after proximal gastric vagotomy. Kaushik SP, et al. **Am J Gastroenterol** 1982 Jun; 77(6):363–7

Effect of bile acid gavage or vagotomy and pyloroplasty on gastrointestinal carcinogenesis. Domellöf L, et al. **Am J Surg** 1981 Nov;142(5):551–4

Gastric mycosis following gastric resection and vagotomy. Rehnberg O, et al. **Ann Surg** 1982 Jul;196(1):21–5

Postvagotomy and cholecystectomy syndrome. Taylor TV. **Ann Surg** 1981 Nov;194(5):625–9

Lymphography in post–vagotomy chylous ascites. Schulman A, et al. **Br J Radiol** 1981 Oct;54(646):915–8

Dumping symptoms after vagotomy treated by reversal of pyloroplasty. Ebied FH, et al. **Br J Surg** 1982 Sep; 69(9):527–8

Medical complications of gastric surgery for peptic ulcer. Clark CG. **Compr Ther** 1981 Aug;7(8):26–32

Truncal vagotomy causes biliary sludge formation. Nelson CP, et al. **Curr Surg** 1982 Jan–Feb;39(1):30–3

Gastric cancer after vagotomy and excision for gastric ulcer. Haukland H, et al. **Eur Surg Res** 1981;13(5):371–5

Enhancing effect of vagotomy and pyloroplasty on gastro–intestinal carcinogenesis induced by nitrosamide in hamsters. Mori H, et al. **Gan** 1981 Jun;72(3):440–5

Mechanical and neurogenic factors in postvagotomoy dysphagia. Sharp JR. **J Clin Gastroenterol** 1979 Dec; 1(4):321–4

[Proximal gastric vagotomy in a district general hospital] Jensen KE. **Ugeskr Laeger** 1982 Apr 26;144(17):1225–6 (Eng. Abstr.) **(Dan)**

[Long–term results of supraselective vagotomy (letter)] Delchier JC. **Gastroenterol Clin Biol** 1981 Dec;5(12):1205–6 **(Fre)**

[Carcinogenesis following vagotomy. Experimental long–term animal studies] Stegemann B. **Fortschr Med** 1982 Apr 8;100(13):586–91 (Eng. Abstr.) **(Ger)**

[Animal experiments to assess the risk of cancer in the stomach after vagotomy (author's transl)] Schlag P, et al. **Langenbecks Arch Chir** 1982;357(2):105–16 (Eng. Abstr.) **(Ger)**

[Sequelae of vagotomy in peptic ulcer (author's transl)] Junginger T. **Leber Magen Darm** 1982 Apr;12(2):52–9 (Eng. Abstr.) **(Ger)**

[Stomach wall necrosis as a complication of selective proximal vagotomy] Wolf KJ, et al. **ROFO** 1982 Jun; 136(6):717–8 **(Ger)**

[The lower esophageal sphincter and superselective vagotomy. Manometric study with the method of rapid pull–through of the catheter] Rossi R, et al. **Minerva Chir** 1981 Aug 15–31;36(15–16):1001–4 (Eng. Abstr.) **(Ita)**

[Pain in the hemithorax and shoulder after proximal gastric vagotomy: gaseous stasis syndrome] de Mello JB, et al. **AMB** 1981 Dec;27(12):359–61 (Eng. Abstr.) **(Por)**

[Repeated surgery in gastroduodenal ulcers] Myshkin KI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):26–9 (Eng. Abstr.) **(Rus)**

[Roentgeno–functional diagnosis of peptic ulcer formed after inadequate vagotomy] Gravirovskaia NG, et al. **Klin Khir** 1981 Aug;(8):11–3 (Eng. Abstr.) **(Rus)**

[Necrosis of sclerosed lesser curvature of the stomach after proximal selective vagotomy] Kissin EA, et al. **Vestn Khir** 1981 Dec;127(12):80–1 **(Rus)**

INSTRUMENTATION

A double clamp for tantalum clips in parietal cell vagotomy. Munoz JD, et al. **Br J Surg** 1982 Jul;69(7):437

METHODS

A modification to the technique of lesser–curve myotomy. Walker WS, et al. **Ann R Coll Surg Engl** 1982 Mar; 64(2):123–4

Proximal Gastric vagotomy without drainage for treatment of perforated duodenal ulcer. Jordan PH Jr. **Gastroenterology** 1982 Jul;83(1 Pt 2):179–83

A rationale for hepatic plexus vagectomy in certain biliary disorders. Schein CJ. **J Clin Gastroenterol** 1981 Mar; 3(1):89–91

Altered sphincter of Oddi Phasic Activity following truncal vagotomy. Pitt HA, et al. **J Surg Res** 1982 Jun; 32(6):598–607

Completeness of vagotomy: anatomy, pathophysiology and clinical consequences. Kronborg O. **Scand J Gastroenterol** 1981;16(5):577–80

Proximal gastric vagotomy with gastroepiploplasty. Gallone L, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):883–4

The Aarhus County Vagotomy Trial: trends in the problem of recurrent ulcer after parietal cell vagotomy and selective gastric vagotomy with drainage. Andersen D, et al. **World J Surg** 1982 Jan;6(1):86–92

Low–risk thoracic vagotomy for anastomotic ulceration. Lehr L, et al. **World J Surg** 1982 Jan;6(1):93–7

[Highly selective vagotomy for treatment of duodenal ulcer (author's transl)] Jiang ZM, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar; 3(1):14–7 (Eng. Abstr.) **(Chi)**

[Vagotomy in the treatment of ulcers] Anděl Z, et al. **Rozhl Chir** 1981 Sep;60(9):593–9 (Eng. Abstr.) **(Cze)**

[The significance and role of transthoracic truncal vagotomy in the treatment of recurring ulcers] Tomšu M, et al. **Rozhl Chir** 1982 Jun;61(6):391–4 **(Cze)**

[Proximal gastric vagotomy – an interim balance] Siewert R, et al. **Chirurg** 1981 Aug;52(8):511–8 (Eng. Abstr.) **(Ger)**

[Is the intraoperative electrical stimulation test of Burge indispensable in order to ensure complete denervation in selective proximal vagotomy? (author's transl)] Müller G, et al. **Wien Klin Wochenschr** 1981 Aug 7;93(15):479–84 (Eng. Abstr.) **(Ger)**

[Total transgastric highly selective vagotomy (author's transl)] Petropoulos PC. **Zentralbl Chir** 1981; 106(21):1409–20 (Eng. Abstr.) **(Ger)**

[Proximal gastric vagotomy – operative technic] Gama–Rodrigues JJ, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Apr;36(2):91–5 (Eng. Abstr.) **(Por)**

[Effect of subdiaphragmatic vagotomy on zinc excretion by Paneth cells of small intestine of rats subjected to functional loading with zinc acetate] Kulikova OV. **Biull Eksp Biol Med** 1982 Jan;93(1):73–5 **(Rus)**

[Endoscopic thoracic neurotomy in the treatment of severe forms of bronchial asthma] Babichev SI, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):66–70 (Eng. Abstr.) **(Rus)**

[Vagotomy in the surgical treatment of stomach ulcer] Kuzin NM, et al. **Khirurgiia (Mosk)** 1981 Aug;(8):33–7 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of the completeness of denervation of the acid–producing zone of the stomach after various types of vagotomy with the Grassi test (experimental study)] Kogut BM, et al. **Klin Khir** 1981 Aug;(8):6–8 (Eng. Abstr.) **(Rus)**

[Conservative surgery in hemorrnagic duodenal ulcer] Zaĭtsev VT, et al. **Klin Khir** 1982 Apr;(4):9–13 **(Rus)**

[Effect of different types of surgical interventions in peptic ulcer on gastric mucosal structure] Krasil'nikov DM. **Klin Med (Mosk)** 1982 Feb;60(2):53–6 **(Rus)**

[Truncal supradiaphragmatic vagotomy in the treatmentr of patients with dumping syndrome] Segalov VM, et al. **Sov Med** 1982;(4):96–8 **(Rus)**

[Late results of the surgical treatment of gastroduodenal ulcers] Avakimian VA. **Vestn Khir** 1982 Apr;128(4):33–7 **(Rus)**

[Trophic and functional changes of the pancreas induced by chronic truncal vagotomy] Tiscornia OM, et al. **Acta Gastroenterol Latinoam** 1981;11(1):67–86 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

[Psychosomatics of the operated ulcer patient. A critical catamnesis after 4 years' treatment (author's transl)] Möhlen K, et al. **Psychother Psychosom Med Psychol** 1982 Jan; 32(1):19–26 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Comparative evaluation of the results of vagotomy and gastrectomy in pyloroduodenal ulcers] Mansur AKh. **Klin Khir** 1981 Aug;(8):39–41 (Eng. Abstr.) **(Rus)**

[Work capacity after selective proximal vagotomy] Pomelov VS, et al. **Sov Med** 1981;(8):104–7 **(Rus)**

STANDARDS

[Selective proximal vagotomy with intraoperative monitoring using Burge's test] Pimpl W, et al. **Z Exp Chir** 1981 Dec; 14(6):345–8 (Eng. Abstr.) **(Ger)**

VETERINARY

Effect of vagotomy on respiratory mechanics and gas exchange in the neonatal calf. Slocombe RF, et al. **Am J Vet Res** 1982 Jul;43(7):1168–71

VAGOTOMY, PROXIMAL GASTRIC see under **VAGOTOMY**

VAGUS NERVE

Gastric ulceration after fundic wrapping. Vagal nerve entrapment, a possible causative factor. Herrington JL Jr, et al. **Ann Surg** 1982 May;195(5):574–81

An unusual case of vagal influence affecting an atrioventricular accessory pathway. Pierfelice O, et al. **G Ital Cardiol** 1981;11(10):1530–3

Autovagotomy by esophageal carcinoma. An unusual cause of gastric retention without outlet obstruction. Delamarre J, et al. **Hepatogastroenterology** 1981 Oct;28(5):274–5

Intrathoracic neurofibroma of the vagus nerve associated with bronchial obstruction. Ross CR, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):406–8

Auricular nerve block in bronchial asthma. Goel AC. **J Indian Med Assoc** 1981 Apr;76(7–8):132–4

Von Recklinghausen's disease with a malignant meningeal, cerebral and optic nerve tumour and bilateral vagal schwannomas. Possible mesenchymal histogenesis on light and electron microscopy. Avsare SS, et al. **J Neurol Sci** 1982 Jun;54(3):427–43

Malignant schwannoma of the vagus nerve: a case report and review of the literature. Rao PM, et al. **J Surg Oncol** 1982 Mar;19(3):132–5

[Vagal chemodectoma] Tesařík J, et al. **Cesk Otolaryngol** 1981 Aug;30(4):236–9 (Eng. Abstr.) **(Cze)**

[Cervical neurinoma of the vagus nerve. Report of a case] da Silva AL, et al. **AMB** 1981 Dec;27(12):357–8 (Eng. Abstr.) **(Por)**

ANALYSIS

Dopamine–containing cells in rabbit nodose ganglia. Kojima H, et al. **Experientia** 1981 Dec 15;37(12):1332–3

Somatostatin–like immunoreactivity in the facial, glossopharyngeal and vagal lobes of the carp. Tohyama M, et al. **Neurosci Lett** 1981 Jul 17;24(3):233–6

ANATOMY & HISTOLOGY

Sensory vagal nature and anatomical access paths to esophagus laminar nerve endings in myenteric ganglia. Determination by surgical degeneration methods. Rodrigo J, et al. **Acta Anat (Basel)** 1982;112(1):47–57

Evidence for penetration of intraperitoneal horseradish peroxidase into vagal preganglionic neural elements. Shoumura S, et al. **Acta Anat (Basel)** 1981;110(1):1–6

The origin of the hypothalamic–vagal descending pathway: an experimental ultrastructural study. Akmayev IG, et al. **Brain Res** 1981 Dec 28;230(1–2):342–5

Origins of cardiac vagal preganglionic fibers: a retrograde transport study. Stuesse SL. **Brain Res** 1982 Mar 18; 236(1):15–25

The unmyelinated fibre spectrum of the avian cervical vagus nerve. Abdalla AB, et al. **J Anat** 1982 Jan;134(Pt 1):85–9

Viscerotopic localization of preganglionic parasympathetic cell bodies of origin of the anterior and posterior subdiaphragmatic vagus nerves. Dennison SJ, et al. **J Comp Neurol** 1981 Apr 1;197(2):259–69

Ultrastructural identification of labeled neurons in the dorsal motor nucleus of the vagus nerve following injections of horseradish peroxidase into the vagus nerve and brainstem. McLean JH, et al. **J Comp Neurol** 1982 Apr 10; 206(3):243–52

Regeneration of taste buds after reinnervation of a denervated tongue papilla by a normally nongustatory nerve. Zalewski AA. **J Comp Neurol** 1981 Aug 10;200(3):309–14

Cardiac and non-cardiac preganglionic neurones of the thoracic vagus nerve: an HRP study in the cat. Miura M, et al. **Jpn J Physiol** 1981;31(1):53–66

The ultrastructural identification of vagal terminals in the solitary nucleus of the cat after anterograde labelling with horseradish peroxidase. Gwyn DG, et al. **Neurosci Lett** 1982 Feb 12;28(2):139–43

[The anatomical basis and sources of error of selective and supraselective gastric vagotomies (author's transl)] Trinh VM, et al. **J Chir (Paris)** 1981 Dec;118(12):725–38 (Eng. Abstr.) **(Fre)**

[Sources of the cerebrospinal afferent innervation of the pig thyroid gland] Amvraos'ev AP, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):38–42 (Eng. Abstr.) **(Rus)**

[The posterior vagus trunk and its connections with the secretory areas of the stomach: an anatomical study (author's transl)] Jarpa S, et al. **Rev Med Chil** 1980 Dec; 108(12):1109–11 (Eng. Abstr.) **(Spa)**

CYTOLOGY

An orthograde labelling study of axons of the dorsal motor nucleus of the vagus to rat cardiac ganglia as demonstrated by autoradiography. Sullivan JM, et al. **Acta Anat (Basel)** 1981;110(2):128–35

Location in the nodose ganglion of the perikarya of neurons whose axons distribute in the epithelium of the rat trachea. Hoyes AD, et al. **J Anat** 1982 Mar;134 (Pt 2):265–71

The distal vagal ganglion of the hen (Gallus domesticus). A histological and physiological study. Wakley GK, et al. **J Anat** 1981 Jan;132(Pt 1):95–105

Identification and localization of the motor nuclei and sensory projections of the glossopharyngeal, vagus, and hypoglossal nerves of the cockatoo (Cacatua roseicapilla), Cacatuidae. Wild JM. **J Comp Neurol** 1981 Dec 10; 203(3):351–77

Localization of substance P-like immunoreactivity in cell bodies of the feline dorsal vagal nucleus. Maley B, et al. **Neurosci Lett** 1981 Dec 11;27(2):187–91

Visualization of serotonin neurones in the nodose ganglia of the cat. An autoradiographic study. Gaudin-Chazal G, et al. **Neuroscience** 1981;6(6):1027–37

DRUG EFFECTS

Effect of alinidine (St 567) on sympathetic and vagal activities. Pichler L. **Arch Int Pharmacodyn Ther** 1982 Jan; 255(1):162–7

Angiotensin inhibits action of vagus nerve at the heart. Potter EK. **Br J Pharmacol** 1982 Jan;75(1):9–11

Reduced airway vagal tone in diabetic patients with autonomic neuropathy. Douglas NJ, et al. **Clin Sci** 1981 Nov;61(5):581–4

Propranolol–vagal–alveolar CO2 interactions on collateral gas flow in dog lungs. Olson LE, et al. **J Appl Physiol** 1982 Jun;52(6):1426–31

Inhibition of adrenaline-induced compensatory vagal discharge in the rat as an in vivo tool for predicting the mechanism of action of antispasmodics. Maggi CA, et al. **J Pharmacol Methods** 1981 Jun;5(4):347–52

Depolarizing responses recorded from nodose ganglion cells of the rabbit evoked by 5-hydroxytryptamine and other substances. Wallis DI, et al. **Neuropharmacology** 1982 Jan; 21(1):31–40

Peripherally administered somatostatin reduces feeding by a vagal mediated mechanism. Levine AS, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):897–902

[Method of applying colchicine to the rat vagus nerve for the purpose of selective action on axonal transport] Uzbekova TA, et al. **Biull Eksp Biol Med** 1981 Nov; 92(11):631–4 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Aetiology of gastric diverticula – an hypothesis. Kurgan A, et al. **Med Hypotheses** 1981 Dec;7(12):1471–6

ENZYMOLOGY

Localization and acetylcholinesterase content of vagal efferent neurons. Hoover DB, et al. **Brain Res Bull** 1982 Mar;8(3):279–84

Chronological changes in acid phosphatase activity within neurons and perineuronal satellite cells of the inferior vagal ganglion of the cat induced by vagotomy. Glover RA. **J Anat** 1982 Mar;134 (Pt 2):215–25

[Changes in the glutamate dehydrogenase activity of nodose ganglion neurons in rabbits in acute experimental emotional stress] Goncharuk VD. **Biull Eksp Biol Med** 1981 Oct; 91(10):494–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Developmental morphometry and physiology of the rabbit vagus nerve. De Neef KJ, et al. **Brain Res** 1982 Jul; 256(3):265–74

Myelination of the human vagus nerve from 24 weeks postconceptional age to adolescence. Sachis PN, et al. **J Neuropathol Exp Neurol** 1982 Jul;41(4):466–72

Electrophysiological studies of new-born rat nodose neurones in cell culture. Baccaglini PI, et al. **J Physiol (Lond)** 1982 Mar;324:429–39

METABOLISM

Biochemical evidence that L-glutamate is a neurotransmitter of primary vagal afferent nerve fibers. Perrone MH. **Brain Res** 1981 Dec 28;230(1–2):283–93

Nervous regulation of insulin release by the intestinal vagal glucoreceptors. Mei N, et al. **J Auton Nerv Syst** 1981 Nov; 4(4):351–63

Effects of calcium and lanthanum on phosphate efflux from nonmyelinated nerve fibers. Jirounek P, et al. **J Membr Biol** 1982;65(1–2):125–30

Transport of cholecystokinin-octapeptide-like immunoreactivity toward the gut in afferent vagal fibres in cat and dog. Dockray GJ, et al. **J Physiol (Lond)** 1981 May;314:501–11

A serotoninergic system in the nodose ganglia of the cat: radioautographic studies. Segu L, et al. **J Physiol (Paris)** 1981;77(2–3):187–9

Cholecystokinin receptors: presence and axonal flow in the rat vagus nerve. Zarbin MA, et al. **Life Sci** 1981 Aug 17; 29(7):697–705

Distribution and uptake of glycine, glutamate and gamma-aminobutyric acid in the vagal nuclei and eight other regions of the rat medulla oblongata. Siemers ER, et al. **Neurochem Res** 1982 Apr;7(4):455–68

PHYSIOLOGY

Hexamethonium-resistant, atropine-sensitive vagal excitation of the feline stomach-activation of an unknown fibre system. Delbro D, et al. **Acta Physiol Scand** 1981 Aug; 112(4):493–4

Nervous control of pancreatic endocrine secretion in pigs. IV. The effect of somatostatin on the insulin and glucagon responses to electrical vagal stimulation and to intraarterial acetylcholine. Holst JJ, et al. **Acta Physiol Scand** 1981; 113(3):273–8

Nervous control of pancreatic endocrine secretion in pigs. V. Influence of the sympathetic nervous system on the pancreatic secretion of insulin and glucagon, and on the insulin and glucagon response to vagal stimulation. Holst JJ, et al. **Acta Physiol Scand** 1981;113(3):279–83

Initial fall in peripheral plasma somatostatin-like immunoreactivity levels following feeding in humans indicating a vagal inhibitory control of somatostatin levels. Uvnäs-Moberg K, et al. **Acta Physiol Scand** 1981; 113(3):411–3

Studies on the extrinsic neural control of serotonin release from the small intestine. Larsson I. **Acta Physiol Scand [Suppl]** 1981;499:1–43

Changes in propriospinal and spino-bulbo-spinal reflexes under the influence of a series of electrical stimulations of the cervical vagus. Nikolov ND, et al. **Agressologie** 1982 Apr;23(2):51–6

Sensitivity differences of SA and AV node to vagal stimulation: attenuation of vagal effects at SA node. Loeb JM, et al. **Am J Physiol** 1981 Nov;241(5):H684–90

Fade of cardiac responses during tonic vagal stimulation. Martin P, et al. **Am J Physiol** 1982 Aug;243(2):H219–25

Vagal cardiac preganglionic neurons: distribution, cell types, and reflex discharges. Nosaka S, et al. **Am J Physiol** 1982 Jul;243(1):R92–8

Changes in vagal phasic chronotropic responses with sympathetic stimulation in the dog. Stuesse SL, et al. **Am J Physiol** 1981 Dec;241(6):H850–6

Effects of glucagon on cardiac chronotropic response to vagal stimulation in the dog. Stuesse SL, et al. **Am J Physiol** 1982 Jan;242(1):H7–12

Importance of cholinergic innervation of the pancreas for glucose tolerance in the rat. Trimble ER, et al. **Am J Physiol** 1981 Nov;241(5):E337–41

Effect of antrectomy on the nervous phase of gastric secretion in the dog. Caboclo JL, et al. **Am J Surg** 1981 Sep;142(3):324–7

Neurohumoral observations and the gastrointestinal tract. Nyhus LM. **Am J Surg** 1982 Jan;143(1):6–16

Pulmonary function tests in standing ponies: reproducibility and effect of vagal blockade. Derksen FJ, et al. **Am J Vet Res** 1982 Apr;43(4):598–602

Effects of vagal stimulation and carotid body chemoreceptor stimulating agents on phrenic nerve activity in vagotomized rabbits. Matsumoto S. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):85–96

Depression of reflex vagal bradycardia by a central action of phentolamine in the spinal cat. Tadepalli AS, et al. **Arch Int Pharmacodyn Ther** 1982 May;257(1):77–86

Vagal effects on heart rate in rabbit, A preliminary report. Cevese A, et al. **Boll Soc Ital Biol Sper** 1981 Jul 15; 57(13):1389–94

Effects of combined stimulation of right and left vagus nerves on heart rate in rabbits. Cevese A, et al. **Boll Soc Ital Biol Sper** 1981 Dec 30;57(24):2410–6

Evidence for vagal involvement in the eating elicited by adrenergic stimulation of the paraventricular nucleus. Sawchenko PE, et al. **Brain Res** 1981 Nov 30;225(2):249–69

Opiate effects on rabbit vagus nerve: electrophysiology and radioligand binding. Shefner SA, et al. **Brain Res** 1981 Sep 21;221(1):109–16

Baroreflex actions of substance P microinjected into the nucleus tractus solitarii in rat: a consequence of local distortion. Talman WT, et al. **Brain Res** 1981 Sep 14; 220(2):402–7

Chorda tympani and vagus nerve convergence onto caudal brain stem neurons in the rat. Bereiter DA, et al. **Brain Res Bull** 1981 Sep;7(3):261–6

Chemoreceptors for serotonin (5-HT), acetylcholine (ACh), bradykinin (BK), histamine (H) and gamma-aminobutyric acid (GABA) on rabbit visceral afferent neurons. Higashi H, et al. **Brain Res Bull** 1982 Jan;8(1):23–32

Medullary cells of origin of physiologically identified cardiac nerves in the dog. Hopkins DA, et al. **Brain Res Bull** 1982 Apr;8(4):359–65

The central distribution of the cervical vagus nerve and gastric afferent and efferent projections in the rat. Leslie RA, et al. **Brain Res Bull** 1982 Jan;8(1):37–43

Catecholamines and the cephalic phase of gastric secretion. Etzel K, et al. **Can J Physiol Pharmacol** 1981 Nov; 59(11):1189–91

Nonvagally mediated bradycardia during cardiac tamponade or severe hemorrhage. Kostreva DR, et al. **Cardiology** 1981; 68(2):65–79

Cardiovascular and sympathetic responses reflexly elicited through the excitation with bradykinin of sympathetic and vagal cardiac sensory endings in the cat. Lombardi F, et al. **Cardiovasc Res** 1982 Feb;16(2):57–65

Rapid resetting of low pressure vagal receptors in the superior vena cava of the rat. Mifflin SW, et al. **Circ Res** 1982 Aug;51(2):241–9

An electrophysiological study of the posterior abdominal vagus nerve in man. Andrews PL, et al. **Clin Sci** 1982 Aug; 63(2):169–73

Biliary manometry in dogs. Influence of selective electrostimulation of the right and left vagus nerves. Funch-Jensen P, et al. **Digestion** 1981;22(2):89–93

The interaction of choline esters, vagal stimulation and H2-receptor blockade on acid secretion in vitro. Angus JA, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):217–24

Methadone inhibition of vagally induced pancreatic and gastric secretions in rats: central and peripheral sites of action. Rozé C, et al. **Eur J Pharmacol** 1982 Mar 12; 78(3):271–8

Effects of D-glucose anomers on afferent discharge inthe hepatic vagus nerve. Sakaguchi T, et al. **Experientia** 1982 Apr 15;38(4):475–6

Atropine suppresses gastrin release by food intact and vagotomized dogs. Hirschowitz BI, et al. **Gastroenterology** 1981 Nov;81(5):838–43

Effect of cervical and thoracic vagal stimulation on luminal serotonin release and regional blood flow in cats. Zinner MJ, et al. **Gastroenterology** 1982 Jun;82(6):1403–8

Pancreatic polypeptide and vagal stimulation of gastric and pancreatic secretion in dogs. Swierczek JS, et al. **Hepatogastroenterology** 1981 Aug;28(4):206–9

Vagal sensory mechanisms involved in reflex bronchoconstriction in dogs. Singh S, et al. **Indian J Med Res** 1982 Jan;75:118–29

Vagal mechanisms in appetite regulation. Kral JG. **Int J Obes** 1981;5(5):481–9 (51 ref.)

Response of collateral channels to histamine: lack of vagal effect. Kaplan J, et al. **J Appl Physiol** 1981 Nov; 51(5):1314–9

Interaction of serotonin with vagal- and ACh-induced bronchoconstriction in canine lungs. Sheller JR, et al. **J Appl Physiol** 1982 Apr;52(4):964–6

Thermosensitive afferent fibers in the hepatic branch of the vagus nerve in the guinea pig. Adachi A, et al. **J Auton Nerv Syst** 1982 Mar;5(2):101–9

Medullary origin of vagal preganglionic axons to the heart of the cat. Ciriello J, et al. **J Auton Nerv Syst** 1982 Jan; 5(1):9–22

Organization and reflex control of vagal cardiomotor neurons. Geis GS, et al. **J Auton Nerv Syst** 1981 Apr; 3(2–4):437–50

Afferent and efferent components of the bronchial vagal branches in cats. Jammes Y, et al. **J Auton Nerv Syst** 1982 Mar;5(2):165–76

Brain stem localization of vagal preganglionic neurons. Kalia M. **J Auton Nerv Syst** 1981 Apr;3(2–4):451–81

Control of reciprocal and non-reciprocal action of vagal and sympathetic efferents: study of centrally induced reactions. Koizumi K, et al. **J Auton Nerv Syst** 1981 Apr; 3(2–4):483–501

Visceral afferents and the fastigial nucleus in vascular and plasma renin adjustments to head-up tilting. Koyama S, et al. **J Auton Nerv Syst** 1981 Nov;4(4):381–92

Vagus-induced changes in ventricular electrophysiology of the dog heart with and without beta-blockade. Amlie JP, et al. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1203–10

Vagal and sympathetic contributions to the heart rate at rest and during isometric and dynamic exercise in young healthy men. Nyberg G. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1243–50

Evidence for cholinergic and vagal noncholinergic mechanisms modulating plasma motilin-like immunoreactivity. Funakoshi A, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1129–34

Modulation of esophageal peristalsis by vagal efferent stimulation in opossum. Gidda JS, et al. **J Clin Invest** 1981 Dec;68(6):1411–9

A vagally mediated histaminergic component of food-related drinking in the rat. Kraly FS, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):89–104

Vagotomy blocks hypothalamic hyperphagia in rats on a chow diet and sucrose solution, but not on a palatable mixed diet. Sclafani A, et al. **J Comp Physiol Psychol** 1981

Oct;95(5):720–34

Effects of hepatic denervation on the anorexic response to epinephrine, amphetamine, and lithium chloride: a behavioral identification of glucostatic afferents. Tordoff MG, et al. **J Comp Physiol Psychol** 1982 Jun;96(3):361–75

Axonal transport of muscarinic cholinergic receptors in rat vagus nerve: high and low affinity agonist receptors move in opposite directions and differ in nucleotide sensitivity. Zarbin MA, et al. **J Neurosci** 1982 Jul;2(7):934–41

The effect of indomethacin on contractions of guinea-pig stomach following cessation of vagal stimulation in the presence of hyoscine or pempidine. Downing OA, et al. **J Pharm Pharmacol** 1981 Nov;33(11):728–30

Analysis of the 2-deoxy-D-glucose-induced vagal stimulation of gastric secretion and gastrin release in dogs using methionine-enkephalin, morphine and naloxone. Anderson W, et al. **J Pharmacol Exp Ther** 1982 Sep; 222(3):617–22

Centrally administered thyrotropin-releasing hormone (TRH) stimulates colonic transit and diarrhea production by a vagally mediated serotonergic mechanism in the rabbit. Horita A, et al. **J Pharmacol Exp Ther** 1982 Aug; 222(2):367–71

The role of vagal and intramural inhibitory reflexes in the regulation of intragastric pressure in the ferret. Andrews PL, et al. **J Physiol (Lond)** 1982 May;326:435–51

Influences on the expression of acetylcholine receptors on rat nodose neurones in cell culture. Baccaglini PI, et al. **J Physiol (Lond)** 1982 Mar;324:441–51

Pancreatic endocrine responses to stimulation of the peripheral ends of the vagus nerves in conscious calves. Bloom SR, et al. **J Physiol (Lond)** 1981 Jun;315:31–41

Identification and brain-stem projections of aortic baroreceptor afferent neurones in nodose ganglia of cats and rabbits. Donoghue S, et al. **J Physiol (Lond)** 1982 Jan; 322:337–52

Modulation of vagal efferent fibre discharge by mechanoreceptors in the stomach, duodenum and colon of the ferret. Grundy D, et al. **J Physiol (Lond)** 1981; 319:43–52

5-Hydroxytryptamine receptors of visceral primary afferent neurones on rabbit nodose ganglia. Higashi H, et al. **J Physiol (Lond)** 1982 Feb;323:543–67

Arterial chemoreceptor-like activity in the abdominal vagus of the rat. Howe A, et al. **J Physiol (Lond)** 1981 Nov; 320:309–18

Excitation and inhibition of cardiac vagal motoneurones by electrical stimulation of the carotid sinus nerve. McCloskey DI, et al. **J Physiol (Lond)** 1981 Jul;316:163–75

Inspiratory inhibition of vagal responses to baroreceptor and chemoreceptor stimuli in the dog. Potter EK. **J Physiol (Lond)** 1981 Jul;316:177–90

Altered sphincter of Oddi Phasic Activity following truncal vagotomy. Pitt HA, et al. **J Surg Res** 1982 Jun; 32(6):598–607

Experimental production of papillary muscle and mitral valve lesions by vagal manipulations in rabbits. Imataka K, et al. **Jpn Circ J** 1982 Apr;46(4):362–8

Diminished circadian rhythm of locomotor activity after vagotomy in rats. Itoh S, et al. **Jpn J Physiol** 1981; 31(6):957–61

Effect of electrical stimulation of the vagus on plasma motilin concentration in dog. Lee KY, et al. **Life Sci** 1981 Sep 14;29(11):1093–7

Vagal release of IR-VIP and IR-gastrin from the isolated perfused rat stomach. Pederson R, et al. **Mol Cell Endocrinol** 1981 Aug;23(2):225–31

The role of vagally-medicated hyperinsulinemia in hypothalamic obesity. King BM, et al. **Neurosci Biobehav Rev** 1982 Summer;6(2):205–14

Vagal influence on gastrointestinal histamine in the rat. Kim SE. **Nippon Geka Hokan** 1981 Jan 1;50(1):14–28

Substance P fails to mimic vagally mediated nonadrenergic bronchodilation. Diamond L, et al. **Peptides (Fayetteville)** 1982 Jan-Feb;3(1):27–9

Lack of CCK-like pancreatic stimulation by intraduodenal amino acids in the anesthetized cat. Johnson C, et al. **Peptides (Fayetteville)** 1982 Mar-Apr;3(2):129–31

Vagal unitary responses to intestinal amino acid infusions in the anesthetized cat: a putative signal for protein induced satiety. Jeanningros R. **Physiol Behav** 1982 Jan;28(1):9–21

Gastric vagotomy inhibits drinking after hypertonic saline. Jerome C, et al. **Physiol Behav** 1982 Feb;28(2):371–4

Postabsorptive hyperinsulinemia in rats with subdiaphragmatic vagotomy. King BM, et al. **Physiol Behav** 1981 Sep;27(3):523–7

Histamine-elicited drinking is dependent upon gastric vagal afferents and peripheral angiotensin II in the rat. Kraly FS, et al. **Physiol Behav** 1982 May;28(5):841–6

The effects of subdiaphragmatic vagotomy on circadian corticosterone rhythmicity in rats with continuous or restricted food access. Moreira AC, et al. **Physiol Behav** 1982 May;28(5):787–90

Chronic hypodipsia to intraperitoneal and subcutaneous hypertonic saline after vagotomy. Simansky KJ, et al. **Physiol Behav** 1982 Feb;28(2):367–70

Hepatic vagotomy (partial hepatic denervation) does not alter ingestive responses to metabolic changes. Tordoff MG, et al. **Physiol Behav** 1982 Mar;28(3):417–24

Postnatal changes of the tonic influence of the vagus nerves on the heart rate, and of the activity of choline acetyltransferase in the heart atria of rats. Slavíková J, et al. **Physiol Bohemoslov** 1982;31(2):113–20

Functional significance of coactivation of vagal and sympathetic cardiac nerves. Koizumi K, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2116–20

The distribution in the cat brain stem of neurones activated by vagal nonmyelinated fibres from the heart and lungs. Donoghue S, et al. **Q J Exp Physiol** 1981 Oct;66(4):391–404

Characterization of intrapulmonary, rapidly adapting receptors of guinea pigs. Bergren DR, et al. **Respir Physiol** 1982 Jan;47(1):83–95

Effects of chronic lung denervation on breathing pattern and respiratory gas exchanges during hypoxia, hypercapnia and exercise. Favier R, et al. **Respir Physiol** 1982 Jan; 47(1):107–19

Nasal vasodilation induced by electrical stimulation of the vagus nerve. Eccles KS, et al. **Rhinology** 1982 Jun; 20(2):89–92

Beneficial effects of vagal stimulation on the ischaemic myocardium during beta-receptor blockade. Kjekshus JK, et al. **Scand J Clin Lab Invest** 1981 Jun;41(4):383–9

Modification of the discharge of vagal cardiac neurons during learned heart rate change. Gold MR, et al. **Science** 1981 Oct 16;214(4518):345–7

Lack of sustained vagal control of gastric mucosal blood flow. Why vagotomy is not effective in preventing recurrent hemorrhage from stress ulcers. Levine BA, et al. **Surgery** 1981 Oct;90(4):631–6

Effect of vagal tone on airway smooth muscle force and peribronchial pressure in dogs. Kikuchi R, et al. **Tohoku J Exp Med** 1982 Feb;136(2):157–62

[Quantitative determination of the activity of the vagus nerve and its value in the regulation of heart function] Schubert E. **Bull Mem Acad R Med Belg** 1981;136(3):195–206 (Eng. Abstr.) **(Fre)**

[Demonstration of mucous mechanoreceptors in the lower esophageal sphincter. Comparison with muscle mechanoreceptors] Clerc N, et al. **C R Soc Biol (Paris)** 1981;175(3):352–6 (Eng. Abstr.) **(Fre)**

[Vagal non-cholinergic stimulation of external pancreatic secretion in rats (author's transl)] Chariot J, et al. **Gastroenterol Clin Biol** 1982 Apr;6(4):371–8 (Eng. Abstr.) **(Fre)**

[Age dependence of increase in heart rate after vagolysis (author's transl)] Brisse B, et al. **Aktuel Gerontol** 1982 Jan; 12(1):20–2 (Eng. Abstr.) **(Ger)**

[Evidence for the hormonal and nerve regulation of pancreatic secretion: demonstration of an enteropancreatic reflex] Singer MV. **Fortschr Med** 1981 Feb 26;99(8):272–6 (Eng. Abstr.) **(Ger)**

[Excitatory and inhibitory vagal actions on the motility of normal rabbit stomach] Brizzi E, et al. **Boll Soc Ital Biol Sper** 1982 Mar 30;58(6):300–5 (Eng. Abstr.) **(Ita)**

[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of excitatory vagal fibers before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):475–9 **(Ita)**

[Stomach distension in the acute vagotomized cat and gastric motor responses evoked by stimulation of inhibitory vagal fibers, before and after splanchnicectomy] Calamai F, et al. **Boll Soc Ital Biol Sper** 1982 Apr 30;58(8):480–4 **(Ita)**

[Adrenergic and cholinergic regulation of the tonus of coronary vessels in old dogs] Frol'kis VV, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):5–7 **(Rus)**

[Combined and separate effects of the vagus nerves on the heart] Kruchinin VM. **Fiziol Zh** 1982 May;28(3):359–61 **(Rus)**

[Response of hypothalamic neurons to different groups of afferent fibers of the subdiaphragmatic vagus nerve] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1982 Mar; 68(3):319–30 (Eng. Abstr.) **(Rus)**

[Afferent discharges in the autonomic nerves of the stomach after stimulating secretion and administering thyrotropin, prednisolone, and vasopressin] Chubarova NI, et al. **Fiziol Zh SSSR** 1981 Jun;67(6):873–83 **(Rus)**

[Ontogenetic characteristics of the participation of the vagus nerves in regulation of the emotional state of dogs] Kassil' VG, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):187–91 (Eng. Abstr.) **(Rus)**

[Mechanism of changes in blood volume in a lobe of the lung upon stimulation of the vagosympathetic trunk] Kuz'minykh LP, et al. **Fiziol Zh SSSR** 1982 Mar; 68(3):399–404 **(Rus)**

[Mechanisms of changes of gastric secretion within different time periods after vagotomy] Matrosova EM, et al. **Fiziol Zh SSSR** 1982 Apr;68(4):515–21 **(Rus)**

[Effect of a single stimulation of the vagus nerve on heart rate in cats] Sheikh-Zade IuR. **Fiziol Zh SSSR** 1981 Jul; 67(7):1027–34 (Eng. Abstr.) **(Rus)**

[Contractile function of the gallbladder as affected by pancreozymin after right-sided subphrenic vagotomy and resection of the anterior hepatic plexus] Usubakunov EU. **Fiziol Zh SSSR** 1982 May;68(5):655–9 **(Rus)**

[Effect of the antral branches of the vagus nerve on parietal pH in the acid-producing area of the stomach after selective proximal vagotomy] Kogut BM, et al. **Khirurgiia (Mosk)** 1982 Mar;(3):14–7 (Eng. Abstr.) **(Rus)**

[Role of the vagus nerves in regulating the activity of the pentorephosphate carbohydrate metabolic pathway in the thymus and mesenteric lymph nodes] Aksenova VM. **Vopr Med Khim** 1981 Sep-Oct;27(5):637–40 (Eng. Abstr.) **(Rus)**

[Formation of neuronal reactions of the limbic cortex to visceral stimuli in the early ontogeny of the rabbit] Tagiev ShK, et al. **Zh Evol Biokhim Fiziol** 1982 Mar-Apr; 18(2):165–71 (Eng. Abstr.) **(Rus)**

[Role of the neural element in regulating the structure and function of the small intestine] Tsibulevskiĭ AIu. **Zh Obshch Biol** 1981 May-Jun;42(3):457–66 (Eng. Abstr.) **(Rus)**

[Mechanisms of gastrin release] Gutiérrez Cabano CA. **Acta Gastroenterol Latinoam** 1981;11(4):541–7 (33 ref.) **(Spa)**

[Central and peripheral mechanisms of hypotension induced by dl-propranolol in the dog] Cicardo VH. **Acta Physiol Lat Am** 1978;28(6):235–42 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Symptomatic spontaneous paroxysmal AV nodal block due to localized hyperresponsiveness of the AV node to vagotonic reflexes. Strasberg B, et al. **Am Heart J** 1982 May;103(5):795–801

Role of autonomics in the initiation of electromechanical dissociation. Kostreva DR, et al. **Am J Physiol** 1981 Sep; 241(3):R213–6

The role of the vague nerve in airway narrowing caused by intraesophageal hydrochloric acid provocation and esophageal distention. Mansfield LE, et al. **Ann Allergy** 1981 Dec;47(6):431–4

Influence of the vagus nerve on changes in heart rate during sleep apnoea in man. Meanock CI. **Clin Sci** 1982 Feb; 62(2):163–7

Role of vagal airway reflexes in control of ventilation in pulmonary fibrosis. Savoy J, et al. **Clin Sci** 1981 Dec; 61(6):781–4

Reflex control of heart rate in normal subjects in relation to age: a data base for cardiac vagal neuropathy. Wieling W, et al. **Diabetologia** 1982 Mar;22(3):163–6

An examination of the physiologic basis for 'coronary precautions'. Kirchhoff KT. **Heart Lung** 1981 Sep-Oct; 10(5):874–9

Neural and hormonal factors in peptic ulcer disease. Feldman M. **J Clin Gastroenterol** 1981;3(Suppl 2):51–6

Cardiac vagal denervation in hemodialysis patients. Burgess ED. **Nephron** 1982;30(3):228–30

Inhibition of serotonin synthesis within the medulla and posterior hypothalamus by cardiac vagal afferents during acute myocardial ischemia in the rat. Sole MJ, et al. **Neurosci Lett** 1981 Dec 11;27(2):183–6

The role of the pneumotaxic mechanism in the tachypnea of pulmonary vagal origin. Miserocchi G, et al. **Respir Physiol** 1981 Mar;43(3):275–85

[Wolff-Parkinson-White syndrome: organic changes in the heart or autonomic nervous system disease] Marigliano V, et al. **Boll Soc Ital Cardiol** 1981;26(1):15–27 (Eng. Abstr.) **(Ita)**

[Neuronal pulse activity of the nodose ganglion in acute hemodynamic and respiratory disorders] Kositskiĭ GI, et al. **Biull Eksp Biol Med** 1982 May;93(5):24–6 (Eng. Abstr.) **(Rus)**

SURGERY

Endoscopic section of the sensory trigeminal root, the glossopharyngeal nerve, and the cranial part of the vagus for intractable facial pain caused by upper jaw carcinoma. Oppel F, et al. **Surg Neurol** 1981 Aug;16(2):92–5

[Paratracheal neurofibroma. Apropos of a case] Bravo Bravo JL, et al. **Rev Clin Esp** 1981 Nov 15;163(3):197–200 **(Spa)**

TRANSPLANTATION

Transplantation of irides or sensory ganglia to the anterior eye chamber of the rat: survival and sprouting of substance P-containing neurones. Skagerberg G, et al. **Neurosci Lett** 1982 Jan 22;28(1):29–34

ULTRASTRUCTURE

The paraganglion supracardiale vagi: an intravagal paraganglion in the rat. Kummer W, et al. **Cell Tissue Res** 1982;224(2):455–8

An autoradiographic study of the brainstem projections of vagal visceral afferent fibres in the domestic hen. Norman P, et al. **J Anat** 1982 May;134 (Pt 3):583–9

The ultrastructure of the subnucleus gelatinosus of the nucleus of the tractus solitarius in the cat. Leslie RA, et al. **J Comp Neurol** 1982 Apr 1;206(2):109–18

Freeze-fracture ultrastructure of rat C.N.S. and P.N.S. nonmyelinated axolemma. Black JA, et al. **J Neurocytol** 1981 Dec;10(6):981–93

[Experimental ultrastructural study of the origin of the hypothalamo-vagal neural pathway] Akmaev IG, et al. **Dokl Akad Nauk SSSR** 1982;262(5):1278–80 **(Rus)**

VALERATES

Solubility behavior of phenolic compounds in hexane-ethyl acetate, hexane-ethyl myristate, and hexane-ethyl pivalate cosolvent systems. Akaho E, et al. **J Pharm Sci** 1981 Nov; 70(11):1225–8

ADVERSE EFFECTS

Light and electron microscopy of liver in hyperlipoproteinemic patients under long-term gemfibrozil treatment. De La Iglesia FA, et al. **Atherosclerosis** 1982 May;43(1):19-37

ANALYSIS

The determination of 4,5-dioxovaleric acid in plant preparations and a procedure for the assay of L-alanine:4,5-dioxovaleric acid aminotransferase (EC 2.6.1.43) activity. Porra RJ, et al. **Anal Biochem** 1981 Sep 15;116(2):511-8

BLOOD

Isovalericacidemia appearing as diabetic ketoacidosis. Williams KM, et al. **Am J Dis Child** 1981 Nov; 135(11):1068-9

Correlation between blood ammonia concentration and organic acid accumulation in isovaleric and propionic acidemia. Coude FX, et al. **Pediatrics** 1982 Jan;69(1):115-7

METABOLISM

The role of 4,5-dioxovaleric acid in porphyrin and vitamin B12 formation by clostridia. Brumm PJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):814-22

Biodegradation of trialkylacetic acid benzyl esters. Millier A, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):113-8

Excretion of N-isovalerylglutamic acid in isovaleric acidemia. Lehnert W. **Clin Chim Acta** 1981 Oct 26; 116(2):249-52

delta-Aminolevulinic acid formation. Purification and properties of alanine:4,5-dioxovalerate, aminotransferase and isolation of 4,5-dioxovalerate from Clostridium tetanomorphum. Bajkowski AS, et al. **J Biol Chem** 1982 Mar 10;257(5):2207-11

The mechanism of alpha-ketoisocaproate oxygenase. Formation of beta-hydroxyisovalerate from alpha-ketoisocaproate. Sabourin PJ, et al. **J Biol Chem** 1982 Jul 10;257(13):7468-71

Biosynthesis of porphyrins and heme from gamma, delta-dioxovalerate by intact hepatocytes. Morton KA, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5325-8

PHARMACODYNAMICS

In vivo inactivation of gamma-aminobutyric acid-alpha-ketoglutarate transaminase by 4-amino-5-fluoropentanoic acid. Silverman RB, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):520-3

New lipid-lowering drug now on the market [news] **JAMA** 1982 Mar 19;247(11):1540

THERAPEUTIC USE

Gemfibrozil for hyperlipidemia. **Med Lett Drugs Ther** 1982 Jun 25;24(612):59-60

A pilot study of the effect of Gemfibrozil on some haematological parameters. O'Brien JR, et al. **Thromb Res** 1982 May 15;26(4):275-9

TOXICITY

A mechanism of toxicity of isovaleric acid in rat liver mitochondria. Bergen BJ, et al. **Biochem Med** 1982 Apr; 27(2):154-60

Carcinogen bioassay and mutagenicity studies with the hypolipidemic agent gemfibrozil. Fitzgerald JE, et al. **JNCI** 1981 Nov;67(5):1105-16

URINE

Propionyl-CoA carboxylase deficiency: case report, effect of low-protein diet and identification of 3-oxo-2-methylvaleric acid 3-hydroxy-2-methylvaleric acid, and maleic acid in urine. Bergstrøm T, et al. **Scand J Clin Lab Invest** 1981 Apr;41(2):117-26

VALERIAN

Antispasmodic effects of valeriana compounds: an in-vivo and in-vitro study on the guinea-pig ileum. Hazelhoff B, et al. **Arch Int Pharmacodyn Ther** 1982 Jun;257(2):274-87

VALINE

Hemoglobin Tottori (alpha 59[E8] glycine replaced by valine). Nakatsuji T, et al. **Hemoglobin** 1981;5(5):427-39

ANALOGS & DERIVATIVES

D-aminophosphonovalerate is 100-fold more powerful than D-alpha-aminoadipate in blocking N-methylaspartate neurotoxicity. Olney JW, et al. **Brain Res** 1981 Sep 21; 221(1):207-10

Phosphonate analogues of acidic amino acids: inhibition of excitatory amino acid transmitter binding to cerebellar membranes and of the stimulation of cerebellar cyclic GMP levels. Roberts PJ, et al. **Brain Res** 1982 Apr 29; 238(2):475-9

Actions of the optical isomers of 2-amino-5-phosphonovalerate as antagonists of excitatory amino acids. McLennan H. **Eur J Pharmacol** 1981 Jul 17; 73(1):97-9

The isomers of 2-amino-5-phosphonovalerate as excitatory amino acid antagonists--a reappraisal. McLennan H. **Eur J Pharmacol** 1982 Apr 8;79(1-2):135-7

Synthesis of fluorine-containing peptides. Analogues of angiotensin II containing hexafluorovaline. Vine WH, et al. **J Med Chem** 1981 Sep;24(9):1043-7

[Activation of trypsin by the substrate N-acetyl-L-norvaline methyl ester] Aisina RB, et al. **Biokhimiia** 1982 May; 47(5):778-83 (Eng. Absir.) **(Rus)**

BIOSYNTHESIS

In vitro conversion of leucine to valine: configurational assignment of [5-13C]leucines. Sylvester SR, et al. **Biochemistry** 1981 Sep 15;20(19):5609-11

Altered regulation of isoleucine-valine biosynthesis in a hisW mutant of Salmonella typhimurium. Davis L, et al. **J Bacteriol** 1982 Aug;151(2):860-6

Identification of a protein of 15,000 daltons related to isoleucine-valine biosynthesis in Escherichia coli K-12. Gray JE, et al. **J Bacteriol** 1982 Jul;151(1):127-34

DIAGNOSTIC USE

Effect of a valine load test on plasma alpha-keto acids in Friedreich ataxia. Barbeau A, et al. **Can J Neurol Sci** 1982 May;9(2):239-42

GENETICS

Heteroduplex analysis of tRNAVal3b genes from the 90BC and 84D sites of Drosophila melanogaster. Miller RC Jr, et al. **Gene** 1981 Dec;15(4):361-4

[Regulatory mechanism of ilv operon and role of isoleucine (author's transl)] Okada T. **Tanpakushitsu Kakusan Koso** 1982;27(9):1227-39 (72 ref.) **(Jpn)**

ISOLATION & PURIFICATION

Improved quantitation of picomolar amounts of valine extracted from muscle cell cultures. Bullaro JC. **Anal Biochem** 1982 Mar 15;121(1):31-8

Production of L-[1-11C]valine by HPLC resolution. Washburn LC, et al. **J Nucl Med** 1982 Jan;23(1):29-33

METABOLISM

Penicillin toxicity in isolated rat hepatocytes revealed by decreased incorporation of valine into proteins. Vonen B, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):81-6

A mutation affecting the valine sensitivity of the acetohydroxyacid synthase III isoenzyme in E. coli K-12. Grimaldi G, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1233-40

Intestinal adaptation of protein deficiency. Syme G, et al. **Cell Biol Int Rep** 1982 Jun;6(6):573-8

Studies on kallikreins. VII. Effects of kallikrein and some autacoids on in vitro transport of valine and sodium ion. Fujimori H, et al. **Chem Pharm Bull (Tokyo)** 1982 Jan; 30(1):272-9

Effects of thyroid hormones on amino acid and protein metabolism--IV. Effects of thyroid hormone on amino acid concentration and incorporation of [14C]L-valine in vivo and in vitro into proteins of the guinea-pig. Lee YP, et al. **Int J Biochem** 1982;14(4):295-304

Adenosine 5'-triphosphate- yielding pathways of branched-chain amino acid fermentation by a marine spirochete. Harwood CS, et al. **J Bacteriol** 1981 Oct; 148(1):117-23

[Effect of certain essential amino acids excess on formation of aminoacyl-tRNA against a background of protein deficiency] Sushkova VV, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):55-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The inhibition of brain protein synthesis following leucine or valine injection can be prevented. Binek-Singer P, et al. **Biochem Biophys Res Commun** 1981 Dec 31; 103(4):1209-15

Rat (Ile5) but not bovine (Val5) angiotensin raises plasma norepinephrine in rats. Speth RC, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-25-9

Valine-resistant Escherichia coli K-12 strains with mutations in the ilvB operon. Sutton A, et al. **J Bacteriol** 1981 Dec; 148(3):998-1001

[Properties of the receptive structure controlling sex hormone activity and sexual selectivity of biologically active substances] Tret'iakov AV. **Dokl Akad Nauk SSSR** 1982;263(3):749-53 **(Rus)**

THERAPEUTIC USE

Treatment of hepatic coma with an L-valine supplement to full parenteral nutrition. **Nutr Rev** 1981 Mar;39(3):125-7 (16 ref.)

VALINOMYCIN

Interaction of manganese (II) with valinomycin: observation of mixed complexes. Sankaram MB, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):319-24

Valinomycin cataract: the relative role of calcium and sodium accumulation. Hightower KR, et al. **Exp Eye Res** 1982 Jun;34(6):941-3

METABOLISM

Circular dichroism and nuclear magnetic resonance studies on the complexation of valinomycin with calcium. Vishwanath CK, et al. **Biochemistry** 1982 May 25; 21(11):2612-21

PHARMACODYNAMICS

Red cell response to A23187 and valinomycine in Duchenne muscular dystrophy. Szibor R, et al. **Acta Biol Med Ger** 1981;40(9):1187-90

Studies on valinomycin inhibition of synaptosome-fraction protein synthesis. Verity MA, et al. **Biochem J** 1981 Apr 15;196(1):25-32

Effects of valinomycin on lymphocytes independent of potassium permeability. Negendank W, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):316-22

[Comparison of the effects of some perminductors on mitochondria and chloroplasts] Shol'ts KF, et al. **Biokhimiia** 1982 Mar;47(3):447-54 (Eng. Abstr.) **(Rus)**

[Study of the energy-dependent distribution of 42K+ between vesicles of the sarcoplasmic reticulum and the medium in the presence of valinomycin] Usmanov KKh, et al. **Biol Nauki** 1981;(9):19-24 **(Rus)**

[Thermodynamic description of a new interaction model in the valinomycin-salt system] Golikov AG, et al. **Dokl Akad Nauk SSSR** 1981;260(1):219-23 **(Rus)**

[Effect of valinomycin and nonactin on monovalent cation transport in mitochondria] Skul'skii IA, et al. **Tsitologiia** 1982 Feb;24(2):183-7 (Eng. Abstr.) **(Rus)**

VALPROATE

Stability of valproate sodium syrup in various unit dose containers. Sartnurak S, et al. **Am J Hosp Pharm** 1982 Apr; 39(4):627-9

ADMINISTRATION & DOSAGE

Valproate and clonazepam in the treatment of severe progressive myoclonus epilepsy. Iivanainen M, et al. **Arch Neurol** 1982 Apr;39(4):236-8

Effect of age on concurrent administration of phenobarbital and valproic acid [letter] Curatolo P. **J Pediatr** 1982 May; 100(5):841-2

ADVERSE EFFECTS

Monitoring of serum amylase levels during valproic acid therapy [letter] Bale JF Jr, et al. **Ann Neurol** 1982 Feb; 11(2):217-8

Valproate-induced hyperammonemia. Batshaw ML, et al. **Ann Neurol** 1982 Mar;11(3):319-21

Asymptomatic hyperammonemia in patients receiving valproic acid. Murphy JV, et al. **Arch Neurol** 1982 Sep; 39(9):591-2

Sodium valproate and thrombocytopenia [letter] Hoffman LM. **Can Med Assoc J** 1982 Feb 15;126(4):358-9

Behavioral changes produced by valproic acid. Alvarez N, et al. **Clin Electroencephalogr** 1982 Jan;13(1):50-3

Sodium valproate reassessed. **Drug Ther Bull** 1981 Nov 20; 19(24):93-5

A case of fatal toxic hepatitis: recommendations for the administration of sodium valproate. Gastaut H, et al. **Epilepsia** 1981 Dec;22(6):711-3

Side effects of sodium valproate in monotherapy controlled by plasma levels: a study in 88 pediatric patients. Herranz JL, et al. **Epilepsia** 1982 Apr;23(2):203-14

Stuporous episodes during treatment with sodium valproate: report of seven cases. Marescaux C, et al. **Epilepsia** 1982 Jun;23(3):297-305

Delirium induced by the competitive interaction between phenytoin and dipropylacetate. Tollefson GD. **J Clin Psychopharmacol** 1981 May;1(3):154-8

Valproic acid and thrombocytopenia. Case report. Patel CC, et al. **J Ky Med Assoc** 1982 Apr;80(4):213-5

Possible teratogenic effect of valproic acid [letter] Clay SA, et al. **J Pediatr** 1981 Nov;99(5):828

An examination of the 'wet dog' shake behaviour in rats produced by acute administration of sodium n-dipropylacetate. Fletcher A, et al. **J Pharm Pharmacol** 1981 Dec;33(12):811-3

Pure red cell aplasia associated with sodium valproate therapy. MacDougall LG. **JAMA** 1982 Jan 1;247(1):53-4

Hyperammonemia and asterixis with valproic acid [letter] Coulter D. **Neurology (NY)** 1981 Dec;31(12):1580

Valproate tremors. Karas BJ, et al. **Neurology (NY)** 1982 Apr; 32(4):428-32

Sodium valproate-induced hyperammonemia without clinical hepatic dysfunction. Zaret BS, et al. **Neurology (NY)** 1982 Feb;32(2):206-8

Sodium valproate in pregnancy [letter] Cairney P, et al. **NZ Med J** 1981 Sep 23;94(692):238

American Academy of Pediatrics. Committee on Drugs. Valproic acid: benefits and risks. **Pediatrics** 1982 Aug; 70(2):316-9

[Liver involvement and encephalopathy in a child during sodium valproate therapy] Axel'gaard G. **Ugeskr Laeger** 1982 Jan 11;144(2):105-6 (Eng. Abstr.) **(Dan)**

[The anti-epileptic effect of valproate, side-effects and toxicity] Nielsen CJ, et al. **Ugeskr Laeger** 1981 Aug 3; 143(32):2031-4 (Eng. Abstr.) **(Dan)**

[Fatal hepatic failure and sodium valproate (author's transl)] Le Bihan G, et al. **Gastroenterol Clin Biol** 1982 May;

6(5):477–81 (Eng. Abstr.) (Fre)
[Tremor in the course of sodium valproate treatment (letter)] Dugas M, et al. **Nouv Presse Med** 1981 Sep 26;10(34):2828 (Fre)
[Sodium valproate, platelet dysfunction and bleeding (author's transl)] Loiseau P. **Nouv Presse Med** 1981 Dec 19;10(46):3789–90 (Eng. Abstr.) (Fre)
[Bone marrow toxicity of sodium dipropylacetate (letter)] Roullet E, et al. **Nouv Presse Med** 1981 Oct 3;10(35):2910 (Fre)
[Isolated hyperammonemia. A frequent consequence of treatment with sodium valproate (letter)] Warter JM, et al. **Nouv Presse Med** 1981 Nov 14;10(41):3406–7 (Fre)
[Severe vigilance disturbances: a rare complication of sodium valproate treatment (author's transl)] Cenraud B, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):376–80 (Eng. Abstr.) (Fre)
[Stuporous states during treatment with sodium valproate. Pathogenetic hypotheses] Marescaux C, et al. **Rev Neurol (Paris)** 1981;137(4):241–54 (Eng. Abstr.) (Fre)
[Stupor due to sodium valproate. Immediate arousal after intravenous diazepam (author's transl)] Marescaux C, et al. **Rev Neurol (Paris)** 1981;137(10):635–8 (Eng. Abstr.) (Fre)
[Decompensation of intracranial hypertension by sodium valproate. Apropos of a case (letter)] Nicolle MH, et al. **Therapie** 1981 Mar–Apr;36(2):200–1 (Fre)
[Complications of valproic acid therapy: an overview (author's transl)] Diehl LW. **Nervenarzt** 1981 Oct; 52(10):559–64 (Ger)
[Clinical irrelevance of the hematologic side effects of sodium valproate (Depakine)] Loisseau P, et al. **Rev Med Univ Navarra** 1981 Sep;25(3):14–6 (Spa)

ANALOGS & DERIVATIVES

Effects of ethyl ester derivatives of valproic acid metabolites on pentylenetetrazol seizures in mice. Bruni J, et al. **Can J Neurol Sci** 1981 Aug;8(3):259–61

ANALYSIS

The free fraction of valproic acid in tears, saliva, and cerebrospinal fluid. Monaco F, et al. **Epilepsia** 1982 Feb; 23(1):23–6

ANTAGONISTS & INHIBITORS

Depression of axonal excitability by valproate is antagonized by phenytoin. Nosek TM. **Epilepsia** 1981 Dec;22(6):641–50

BLOOD

Free sodium valproate monitoring. Roman EJ, et al. **Br J Clin Pharmacol** 1982 Mar;13(3):452–5
Phenytoin–valproate interaction: importance of saliva monitoring in epilepsy. Knott C, et al. **Br Med J [Clin Res]** 1982 Jan 2;284(6308):13–6
Comparison of gas–liquid chromatography and EMIT assay for serum valproic acid. Leroux M, et al. **Clin Biochem** 1981 Apr;14(2):87–90
Gas chromatography of valproic acid, with benzyl alcohol as internal standard [letter] Fullinfaw RO, et al. **Clin Chem** 1981 Oct;27(10):1776
Enzyme immunoassay and gas–liquid chromatography compared for determination of valproic acid in serum [letter] Kumps AH, et al. **Clin Chem** 1981 Oct;27(10):1788–9
Simplified gas chromatography of valproic acid and ethosuximide [letter] Manfredi C, et al. **Clin Chem** 1982 Jan;28(1):246
Gas chromatography of serum valproic acid, with methyl–m–toluate as internal standard [letter] Wu A, et al. **Clin Chem** 1982 Mar;28(3):544
Interaction between valproic acid and aspirin in epileptic children: serum protein binding and metabolic effects. Orr JM, et al. **Clin Pharmacol Ther** 1982 May;31(5):642–9
Bioavailability of a slow–release preparation of valproic acid under steady–state conditions. Klotz U. **Int J Clin Pharmacol Ther Toxicol** 1982 Jan;20(1):24–6
Valproic acid analysis in saliva and serum using selected ion monitoring (electron ionization) of the tert.–butyldimethylsilyl derivatives. Abbott FS, et al. **J Chromatogr** 1982 Feb 12;227(2):433–44
Rapid gas chromatographic determination of valproic acid in serum. Arranz Peña MI. **J Chromatogr** 1981 Oct 9; 225(2):459–62
Valproic acid and several metabolites: quantitative determination in serum, urine, breast milk and tissues by gas chromatography–mass spectrometry using selected ion monitoring. Nau H, et al. **J Chromatogr** 1981 Nov 13; 226(1):69–78
The effect of acetylsalicylic acid on serum free valproate concentrations and valproate clearance in children. Farrell K, et al. **J Pediatr** 1982 Jul;101(1):142–4
Rapid and simple GLC determination of valproic acid and ethosuximide in plasma of epileptic patients. Riva R, et al. **J Pharm Sci** 1982 Jan;71(1):110–1
Plasma protein binding interaction between valproic and salicylic acids in rhesus monkeys. Viswanathan CT, et al. **J Pharm Sci** 1981 Nov;70(11):1279–81
Valproate levels in children with epilepsy [letter] Minns RA, et al. **Lancet** 1982 Mar 20;1(8273):677–8
Daily fluctuations of dipropylacetate (DPA) serum level in epileptic patients. Majkowski J, et al. **Monogr Neural Sci** 1981;5:200–7
The relationship between plasma concentration of valproic acid and its anticonvulsant and behavioural effects in the rat. Tulloch IF, et al. **Neuropharmacology** 1982 Jun; 21(6):555–62
Determination of total and unbound valproic acid in human serum by gas–liquid chromatography. Yu HY. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jan;80(1):39–46
Serial free and plasma valproic acid and phenytoin monitoring and drug interactions. Haidukewych D, et al. **Ther Drug Monit** 1981;3(3):303–7
Monitoring free valproic acid in epilepsy patients medicated with coanticonvulsants. Haidukewych D, et al. **Ther Drug Monit** 1982;4(2):209–12
Interaction between valproic acid and carbamazepine: an in vitro study of protein binding. Mattson GF, et al. **Ther Drug Monit** 1982;4(2):181–4
Dipropylacetic acid plasma levels; diurnal fluctuations during chronic treatment with dipropylacetamide. Pisani F, et al. **Ther Drug Monit** 1981;3(3):297–301
[Determination of dipropylacetic acid in plasma by liquid chromatography and spectrofluorimetric detection] Cisse H, et al. **J Chromatogr** 1981 Oct 9;225(2):509–15 (Fre)
[Drug monitoring for valproic acid with HPLC or EMIT and concomitant measurements of clinical–chemical parameters (author's transl)] Ehrenthal W, et al. **Arzneimittelforsch** 1982;32(4):449–52 (Eng. Abstr.) (Ger)
[Critical remarks about the monitoring of antiepileptic drug levels in pediatric age (author's transl)] Gaggero R, et al. **Pediatr Med Chir** 1981 Mar–Jun;3(2–3):151–8 (Eng. Abstr.) (Ita)
[Determination of plasma levels of valproic acid (dipropylacetic acid) by gas chromatography] Tsanaclis LM, et al. **Arq Neuropsiquiatr** 1981 Sep;39(3):301–5 (Eng. Abstr.) (Por)
[Relation between plasma levels of valproic acid alone and its efficacy and toxicity in pediatric patients under chronic treatment] Armijo JA, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):49–56 (Spa)

DIAGNOSTIC USE

Effects of valproic acid, naloxone and hydrocortisone in Nelson's syndrome and cushing's disease. Elias AN, et al. **Clin Endocrinol (Oxf)** 1981 Aug;15(2):151–4
The effects of the gabaergic drug, sodium valproate, on prolactin secretion in normal and hyperprolactinemic subjects. Melis GB, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):485–9
Effect of di–N–propylacetic acid (valproic acid) on the TSH response to TRH—a presumptive role for gamma aminobutyric acid. Elias AN, et al. **Metabolism** 1981 Oct; 30(10):1021–3

METABOLISM

Effects of food on valproic acid absorption. Hamilton RA, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1490–3
Valproic acid: metabolite concentrations in plasma and brain, anticonvulsant activity, and effects on GABA metabolism during subacute treatment in mice. Löscher W, et al. **Arch Int Pharmacodyn Ther** 1982 May;257(1):20–31
In vivo uptake of valproic acid into brain. Hammond EJ, et al. **Brain Res** 1982 May 20;240(1):195–8
The pharmacokinetics of valproic acid after oral and parenteral administration in healthy volunteers. Nitsche V, et al. **Epilepsia** 1982 Apr;23(2):153–62
Diurnal oscillations in plasma protein binding of valproic acid. Patel IH, et al. **Epilepsia** 1982 Jun;23(3):283–90
Increased dipropylacetic acid bioavailability from dipropylacetamide by food. Pisani F, et al. **Epilepsia** 1982 Apr;23(2):115–21
Some clinical pharmacological aspects of n–dipropylacetamide. Pisani F, et al. **Ital J Neurol Sci** 1980 Oct;1(4):245–9
Saliva and serum valproic acid levels in epileptic children [letter] Fung K, et al. **J Pediatr** 1982 Mar;100(3):512
A study on the metabolism of dipropylacetamide to dipropylacetic acid in rats. Pisani F, et al. **J Pharm Pharmacol** 1982 Jan;34(1):45–6
Time–dependent kinetics viii: absence of diurnal oscillations in valproic acid disposition following single dose administration to rhesus monkey. Levy RH, et al. **J Pharm Sci** 1982 Jun;71(6):723–5
Valproic acid and its metabolites: placental transfer, neonatal pharmacokinetics, transfer via mother's milk and clinical status in neonates of epileptic mothers. Nau H, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):768–77
A proposed mechanism for the anticonvulsant action of valproate. Schreiber RA. **Med Hypotheses** 1981 Nov; 7(11):1377–87
Bioavailability of rectally administered valproic acid syrup. Cloyd JC, et al. **Neurology (NY)** 1981 Oct;31(10):1348–52
Materno–fetal pharmacokinetics and fetal distribution of valproic acid in a pregnant rhesus monkey. Dickinson RG, et al. **Pediatr Pharmacol (New York)** 1980;1(1):71–83
Dipropylacetic acid plasma levels; diurnal fluctuations during chronic treatment with dipropylacetamide. Pisani F, et al. **Ther Drug Monit** 1981;3(3):297–301
[Pharmacokinetics of valproic acid in the rat after multiple doses] Armijo JA, et al. **Arch Farmacol Toxicol** 1981 Apr; 7(1):155–60 (Spa)

PHARMACODYNAMICS

Effects of calcium valproate and aminooxyacetic acid on agonistic behaviour in mice. Sulcová A, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):287–9
A presumptive role for gamma–aminobutyric acid in the regulation of gonadotropin secretion in man. Elias AN, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):72–6
Cortisol, valproic acid, and ACTH suppression [letter] Elias AN, et al. **Ann Intern Med** 1982 Jun;96(6 Pt 1):786
Effects of dipropylacetate on brain development. Diaz J, et al. **Ann Neurol** 1981 Nov;10(5):465–8
Cardiovascular effects of GABA, GABA–aminotransferase inhibitors and valproic acid following systemic administration in rats, cats and dogs: pharmacological approach to localize the site of action. Löscher W. **Arch Int Pharmacodyn Ther** 1982 May;257(1):32–58
An osmotic explanation for valproic acid induced choleresis in the rat, dog and monkey. Dickinson RG, et al. **Arzneimittelforsch** 1982;32(3):241–7
Effects of sodium valproate and acetazolamide on cerebral respiration. Banerjee A. **Biochem Pharmacol** 1982 Apr 1; 31(7):1333–6
Inhibition by valproic acid of pyruvate uptake by brain mitochondria. Benavides J, et al. **Biochem Pharmacol** 1982 Apr 15;31(8):1633–6
Anticonvulsant and biochemical effects of inhibitors of GABA aminotransferase and valproic acid during subchronic treatment in mice. Löscher W. **Biochem Pharmacol** 1982 Mar 1;31(5):837–42
Serum protein binding of diazepam and its displacement by valproic acid in vitro [letter] Dhillon S, et al. **Br J Clin Pharmacol** 1981 Oct;12(4):591–2
Valproic acid and diazepam interaction in vivo. Dhillon S, et al. **Br J Clin Pharmacol** 1982 Apr;13(4):553–60
Effect of long–term treatment with sodium valproate on gonadotrophin and prolactin secretion in paediatric patients. Masala A, et al. **Br J Clin Pharmacol** 1981 Dec; 12(6):845–8
Sodium valproate and cognitive functioning in normal volunteers. Thompson PJ, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):819–24
The presynaptic effects of valproic acid in the isolated frog spinal cord. Hackman JC, et al. **Brain Res** 1981 Sep 14; 220(2):269–85
Effect of valproic acid on [3H]diazepam and [3H]dihydropicrotoxinin binding sites at the benzodiazepine–GABA receptor–ionophore complex. Ticku MK, et al. **Brain Res** 1981 Oct 26;223(1):218–22
Dipropylacetate–induced quasi–morphine abstinence behaviour in the rat: involvement of amygdaloic and thalamic structures. van der Laan JW, et al. **Brain Res** 1981 Dec 14;229(1):133–46
Ethosuximide kinetics: possible interaction with valproic acid. Bauer LA, et al. **Clin Pharmacol Ther** 1982 Jun; 31(6):741–5
Suppression by sodium valproate of gamma–vinyl GABA–induced facilitation of visual evoked potentials in rats. Myslobodsky MS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):445–50
How valproate and phenytoin affect the ionic conductances and active transport characteristics of the crayfish giant axon. Nosek TM. **Epilepsia** 1981 Dec;22(6):651–65
Choleretic effect of valproic acid in the rat. Watkins JB, et al. **Hepatology** 1981 Jul–Aug;1(4):341–7
Levonantradol potentiates the anticonvulsant effects of diazepam and valproic acid in the kindling model of epilepsy. Ehlers CL, et al. **J Clin Pharmacol** 1981 Aug–Sep; 21(8–9 Suppl):406S–412S
Biogenic aldehyde metabolism in rat brain: subcellular distribution of aldose reductase and valproate–sensitive aldehyde reductase. Turner AJ, et al. **J Neurochem** 1982 Aug;39(2):306–9
Interactions of di–n–propylacetate, gabaculine, and aminooxyacetic acid: anticonvulsant activity and the gamma–aminobutyrate system. Wood JD, et al. **J Neurochem** 1981 Dec;37(6):1440–7
Valproic acid: brain and plasma levels of the drug and its metabolites, anticonvulsant effects and gamma–aminobutyric acid (GABA) metabolism in the mouse. Nau H, et al. **J Pharmacol Exp Ther** 1982 Mar; 220(3):654–9
Effect of inducers and inhibitors of glucuronidation on the biliary excretion and choleretic action of valproic acid in the rat. Watkins JB, et al. **J Pharmacol Exp Ther** 1982 Feb; 220(2):305–10
Central actions of valproic acid in man and in experimental models of epilepsy. Hammond EJ, et al. **Life Sci** 1981 Dec 21;29(25):2561–74 (92 ref.)
Benzodiazepine antagonists abolish electrophysiological effects of sodium valproate in the rat. Morag M, et al. **Life Sci** 1982 May 10;30(19):1671–7
Sodium valproate exerts anti–conflict activity in rats without any concomitant rise in forebrain GABA level. Rasmussen KJ, et al. **Life Sci** 1981 Nov 23;29(21):2163–70
Effects of sodium valproate on the serum protein binding of phenytoin, and on liver enzyme activity. Richens A, et al. **Monogr Neural Sci** 1981;5:221–8
Inhibitory effects of sodium valproate on oxidative phosphorylation. Haas R, et al. **Neurology (NY)** 1981 Nov; 31(11):1473–6
Effect of sodium valproate and ethosuximide on

phenobarbital plasma protein binding. Patsalos PN, et al. **Neurology (NY)** 1982 Sep;32(9):1052–3

Interactions between folates and carbamazepine or valproate in the rat. Smith DB, et al. **Neurology (NY)** 1982 Sep; 32(9):965–9

Effect of metabolites of valproic acid on the metabolism of GABA in brain and brain nerve endings. Löscher W, et al. **Neuropharmacology** 1981 Dec;20(12A):1187–92

Anticonvulsant and antiaggressive properties of di-n-propyl acetate after repeated treatment. Simler S, et al. **Neuropharmacology** 1982 Feb;21(2):133–40

Pharmacologic analysis of sodium valproate-induced suppression of secondary components of visual evoked potentials in albino rats. Myslobodsky MS, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):681–5

Liver function in children receiving treatment with the anticonvulsant sodium valproate. Leary PM. **S Afr Med J** 1982 May 22;61(21):783–4

Effects of sodium dipropylacetate on the ethanol withdrawal syndrome in rats. Le Bourhis B, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):527–35

[Influence of the GABAergic system on eating behavior induced by the tail pinching technic in rats] Bereksi B, et al. **C R Soc Biol (Paris)** 1981;175(3):323–9 (Eng. Abstr.) **(Fre)**

POISONING

Acute intoxication with valproate [letter] Eeg-Olofsson O, et al. **Lancet** 1982 Jun 5;1(8284):1306

Valproate poisoning [letter] Garnier R, et al. **Lancet** 1982 Jul 10;2(8289):97

[Acute poisoning by sodium valproate (letter)] Faller JP, et al. **Nouv Presse Med** 1981 Nov 7;10(40):3323 **(Fre)**

[Acute sodium valproate poisoning (letter)] Garnier R, et al. **Nouv Presse Med** 1982 Feb 27;11(9):678 **(Fre)**

THERAPEUTIC USE

Time course of the anticonvulsant effect of valproic acid in young rats. Marešová D, et al. **Act Nerv Super (Praha)** 1981 Dec;23(4):285–7

Clinical and pharmacokinetic observations on sodium valproate – a 5-year follow-up study in 100 children with epilepsy. Henriksen O, et al. **Acta Neurol Scand** 1982 May; 65(5):504–23

Valproic acid in the treatment of intractable absence seizures in children: a single-blind clinical and quantitative EEG study. Erenberg G, et al. **Am J Dis Child** 1982 Jun; 136(6):526–9

Use of valproic acid in treatment of infantile spasms. Bachman DS. **Arch Neurol** 1982 Jan;39(1):49–52

Valproic acid. Treatment of myoclonus in dyssynergia cerebellaris myoclonica. Somerville ER, et al. **Arch Neurol** 1982 Aug;39(8):527–8

Valproic acid in the treatment of nonepileptic myoclonus. Sotaniemi K. **Arch Neurol** 1982 Jul;39(7):448–9

Treatment of primary reading epilepsy with valproic acid. Vanderzant C, et al. **Arch Neurol** 1982 Jul;39(7):452–3

Phenobarbital, primidone and sodium valproate in the prophylaxis of febrile convulsions. Minagawa K, et al. **Brain Dev** 1981;3(4):385–93

Treatment of infantile spasms with sodium dipropylacetic acid. Pavone L, et al. **Dev Med Child Neurol** 1981 Aug; 23(4):454–61

Sodium valproate versus phenobarbital in the prophylactic treatment of febrile convulsions in childhood. Lee K, et al. **Eur J Pediatr** 1981 Oct;137(2):151–3

Increased serum phospholipids in epileptic children treated with phenobarbitone. Pavone L, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):81–2

A comparison of phenytoin and valproate in previously untreated adult epileptic patients. Turnbull DM, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):55–9

Valproate in Cushing's syndrome [letter] Allolio B, et al. **Lancet** 1982 Jan 16;1(8264):171

Sodium valproate and heterogeneity of pituitary dependent Cushing's syndrome [letter] Koppeschaar HP, et al. **Lancet** 1982 May 29;1(8283):1253

Depamide: a preliminary report on its therapeutic efficacy in epilepsy. Musolino R, et al. **Monogr Neural Sci** 1981; 5:124–30

Sodium dipropylacetate (Vupral Polfa) in therapy of resistant epilepsy. Pisarski W, et al. **Monogr Neural Sci** 1981;5:131–6

Analytic study of epileptic absence seizures and effect of sodium valproate treatment. Yagi K, et al. **Monogr Neural Sci** 1981;5:137–41

Blood serotonin in untreated petit-mal epileptics and influence of efficient treatment with either ethosuximide or valproate. Volanschi D, et al. **Neurol Psychiatr (Bucur)** 1982 Jan-Mar;20(1):67–70

Treatment of intractable hiccups with valproic acid. Jacobson PL, et al. **Neurology (NY)** 1981 Nov;31(11):1458–60

Valproic acid versus ethosuximide in the treatment of absence seizures. Sato S, et al. **Neurology (NY)** 1982 Feb; 32(2):157–63

Serum concentrations and enzyme induction in epileptic children treated with phenytoin and valproate. de Wolff FA, et al. **Neuropediatrics** 1982 Feb;13(1):10–3

[Changes in paroxysmal activity in the EEG during valproate (Deprakine, Orfiril) therapy] Gulmann NC, et al. **Ugeskr Laeger** 1981 Aug 3;143(32):2035–6 (Eng. Abstr.) **(Dan)**

[Comparative study of valproic acid and sodium valproate (author's transl)] Sorel L, et al. **Acta Neurol Belg** 1981 Sep-Oct;81(5):283–90 (Eng. Abstr.) **(Fre)**

[Effect of valproate monotherapy on spike-wave activity in generalized epilepsies (author's transl)] Stefan H, et al. **Nervenarzt** 1981 Dec;52(12):707–14 **(Ger)**

[Valproic acid — clinical efficiency and serum concentration in the treatment of petit mal epilepsy in childhood (author's transl)] Fritsch G, et al. **Padiatr Padol** 1981;16(4):481–8 (Eng. Abstr.) **(Ger)**

[The treatment of epilepsies with Convulsofin] Rabending G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Oct; 33(10):618–28 (Eng. Abstr.) **(Ger)**

[Dipropylacetamide and hypnosis in drug dependence] Bocci U, et al. **Minerva Med** 1982 Mar 31;73(13):711–4 (Eng. Abstr.) **(Ita)**

TOXICITY

A new model for embryotoxicity testing: teratogenicity and pharmacokinetics of valproic acid following constant-rate administration in the mouse using human therapeutic drug and metabolite concentrations. Nau H, et al. **Life Sci** 1981 Dec 28;29(26):2803–14

VALSALVA'S MANEUVER

Lack of accentuation by the Valsalva maneuver of the murmur of idiopathic hypertrophic subaortic stenosis: importance of monitoring the pulse. LeJemtel TH, et al. **Can Med Assoc J** 1982 Jan 1;126(1):48–50

Wandering atrial pacemaker associated with repetitive respiratory strain. Borgia JF, et al. **Cardiology** 1982; 69(2):70–3

Valsalva termination of ventricular tachycardia [letter] Lee YC, et al. **Circulation** 1982 Jun;65(6):1287–8

Valsalva maneuver and input impedance [letter] O'Rourke M. **Circulation** 1981 Nov;64(5):1075–6

Baroreceptor reflex sensitivity index derived from Phase 4 of te Valsalva maneuver. Palmero HA, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-134–7

Pseudo-obstruction of inferior vena cava from Valsalva's maneuver. Soo CS, et al. **J Urol** 1981 Oct;126(4):542–3

The cardiovascular response to the Valsalva maneuver and sustained handgrip test in patients on hemodialysis. Ono K. **Proc Clin Dial Transplant Forum** 1980;10:234–6

[Diagnosis of recurrent postoperative varicose disease by ascending phlebography with the Valsalva maneuver] Hach W. **Phlebologie** 1982 Apr-Jun;35(2):493–6 **(Fre)**

[Variations of intraocular pressure during valsalva's maneuver in relation to body position and length of the bulbus in myopia (author's transl)] Oggel K, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(1):51–4 (Eng. Abstr.) **(Ger)**

[Influence of left ventricular volume changes induced by Valsalva maneuver on R wave amplitude (author's transl)] Cuomo S, et al. **G Ital Cardiol** 1981;11(7):903–7 (Eng. Abstr.) **(Ita)**

[A simple method for enhancing interatrial right-to-left shunt in the diagnosis of small atrial septal defect using contrast echocardiography (author's transl)] Tada T, et al. **J Cardiogr** 1981 Jun;11(2):573–9 (Eng. Abstr.) **(Jpn)**

[The effect of the Valsalva and Müller maneuvers on right and left atrial dimensions in man studied by esophageal echocardiography (author's transl)] Toma Y, et al. **J Cardiogr** 1981 Jun;11(2):477–84 (Eng. Abstr.) **(Jpn)**

[Valsalva's maneuver] Takahashi F, et al. **Nippon Rinsho** 1981;39(7):2594–9 **(Jpn)**

[Heart rate during Valsalva's maneuver in patients with sick sinus syndrome] Telichowski C, et al. **Wiad Lek** 1981 May 1;34(9):717–20 (Eng. Abstr.) **(Pol)**

VALYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

VAN BOGAERT'S LEUKOENCEPHALITIS see **SUBACUTE SCLEROSING PANENCEPHALITIS**

VANADIUM

Dissociation of actomyosin by vanadate plus ADP, and decomposition of the myosin-ADP-vanadate complex by actin. Kawamura T, et al. **J Biochem (Tokyo)** 1982 Apr; 91(4):1293–8

ADVERSE EFFECTS

Intracellular immunoglobulins in plasma cells of nasal biopsies taken from vanadium-exposed workers. A retrospective case control study by the peroxidase-antiperoxidase (PAP) method. Kiviluoto M, et al. **Anat Anz** 1981;149(5):446–50

Asthma caused by occupational exposure to vanadium compounds. Musk AW, et al. **Med J Aust** 1982 Feb 20; 1(4):183–4

ANALYSIS

Combined ion exchange – spectrophotometric method for the simultaneous determination of vanadium and cobalt in biological materials. Kiriyama T, et al. **Analyst** 1982 May; 107(1274):505–10

The distribution and origin of mutagens in airborne particulates, detected by the salmonella/microsome assay in relation to levels of lead, vanadium and PAH. Madsen ES, et al. **Sci Total Environ** 1982 May;24(1):13–25

[Concentrations of vanadium in human urine and hair (author's transl)] Ueno S, et al. **Sangyo Igaku** 1980 Sep; 22(5):378–9 **(Jpn)**

[Hygienic evaluation of atmospheric pollution by vanadium pentoxide] Sokolov SM. **Gig Sanit** 1982 Jun;(6):72 **(Rus)**

BLOOD

Determination of vanadium in tissues and serum [letter] Cornelis R, et al. **Clin Chem** 1982 Jul;28(7):1708–9

More sensitive flameless atomic absorption analysis of vanadium in tissue and serum. Stroop SD, et al. **Clin Chem** 1982 Jan;28(1):79–82

Vanadium in blood plasma or serum [letter] Cornelis R, et al. **Lancet** 1981 Nov 21;2(8256):1179

IMMUNOLOGY

[Sensitizing properties of the metals indium, palladium and vanadium] Roshchin AV, et al. **Gig Tr Prof Zabol** 1982 Feb;(2):5–8 **(Rus)**

METABOLISM

ATP(adenosine triphosphate)-vanadyl complex. Sakurai H, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1421–6

Does vanadium play a role in cellular regulation? Ramasarma T, et al. **Curr Top Cell Regul** 1981;20:247–301 (173 ref.)

Study of the structure of HMM . Vanadate complex. Ajtai K, et al. **FEBS Lett** 1982 May 3;141(1):74–7

Vanadate binding to the (Na + K)-ATPase. Robinson JD, et al. **J Bioenerg Biomembr** 1981 Dec;13(5–6):205–18

Relations between iron and vanadium metabolism: in vivo incorporation of vanadium into iron proteins of the rat. Sabbioni E, et al. **J Toxicol Environ Health** 1981 Sep; 8(3):419–29

Reduction of vanadate, a possible explanation of the effect of phenothiazines in manic-depressive psychosis [letter] Naylor GG, et al. **Lancet** 1982 Feb 13;1(8268):395–6

Reduction of vanadate to vanadyl by methylene-blue, imipramine, and chlorpromazine in absence of NADH [letter] Vyskočil F, et al. **Lancet** 1982 May 8;1(8280):1078–9

The uptake from fresh water and subsequent clearance of a vanadium burden by the common eel (Anguilla anguilla). Bell MV, et al. **Sci Total Environ** 1981 Jul;19(3):215–22

Clearance and distribution of intratracheally instilled vanadium compounds in the rat. Conklin AW, et al. **Toxicol Lett** 1982 Apr;11(1–2):199–203

PHARMACODYNAMICS

Vanadate, epidermal growth factor and the stimulation of DNA synthesis. Carpenter G. **Biochem Biophys Res Commun** 1981 Oct 30;102(4):1115–21

Effect of vanadate on phosphoryl transfer enzymes involved in glucose metabolism. Climent F, et al. **Biochem Biophys Res Commun** 1981 Jul 30;101(2):570–6

Modification of neuroblastoma x glioma hybrid NG108-15 adenylate cyclase by vanadium ions. Lichtstein D, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1157–65

Vanadate increases oxygen affinity and affects enzyme activities and membrane properties of erythrocytes. Vives-Corrons JL, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):111–7

The effects of orthovanadate on fatty acid synthesis in isolated rat hepatocytes. Agius L, et al. **Biochem J** 1982 Mar 15;202(3):791–4

Action of ammonium meta vanadate on the activities of hepatic drug-metabolizing enzymes in vitro. Beyhl FE. **Biochem Pharmacol** 1982 Apr 1;31(7):1458–61

Vanadate stimulates adenylate cyclase via the guanine nucleotide regulatory protein by a mechanism differing from that of fluoride. Krawietz W, et al. **Biochem Pharmacol** 1982 Mar 1;31(5):843–8

Effect of vanadate on the renal accumulation of p-aminohippurate in the rabbit kidney tubules in vitro. Sheikh MI, et al. **Biochem Pharmacol** 1981 Aug 1; 30(15):2141–6

Electron paramagnetic resonance studies and insulin-like effects of vanadium in rat adipocytes. Degani H, et al. **Biochemistry** 1981 Sep 29;20(20):5795–9

Steady-state kinetic study of vanadate-induced inhibition of ciliary dynein adenosinetriphosphatase activity from Tetrahymena. Shimizu T. **Biochemistry** 1981 Jul 21; 20(15):4347–54

Dog kidney (Na+,K+)-ATPase is more sensitive to inhibition by vanadate than human red cell (Na+,K+)-ATPase. Bond GH, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):479–82

Low-affinity Na+ sites on (Na+ +K+)-ATPase modulate inhibition of Na+-ATPase activity by vanadate. Bond GH, et al. **Biochim Biophys Acta** 1982 May 7;687(2):310–4

The relationship between the transport of glucose and cations across cell membranes in isolated tissues. XI. The effect of vanadate on 45Ca-efflux and sugar transport in adipose tissue and skeletal muscle. Clausen T, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):261–7

The effects of vanadate on calcium transport in dialyzed squid axons. Sidedness of vanadate-cation interactions. DiPolo R, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):229–36

Vanadium in photosynthesis of Chlorella fusca and higher

plants. Meisch HU, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):119–25
Vanadate-stimulated NADH oxidation in plasma membrane. Ramasarma T, et al. **Biochim Biophys Acta** 1981 Aug 6; 646(1):88–98
Vanadate inhibition of active Ca2+ transport across human red cell membranes. Rossi JP, et al. **Biochim Biophys Acta** 1981 Nov 6;648(2):145–50
Vanadate: a potent inhibitor of multifunctional glucose-6-phosphatase. Singh J, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):477–82
Stimulatory (insulin-mimetic) and inhibitory (ouabain-like) action of vanadate on potassium uptake and cellular sodium and potassium in heart cells in culture. Werdan K, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):79–93
Inhibitory effect of molybdenum and vanadium salts on aflatoxin B1 synthesis by Aspergillus flavus. Rabie CJ, et al. **Can J Microbiol** 1981 Sep;27(9):962–7
Cardiac relaxation and myofibrillar interactions with phosphate and vanadate. Solaro RJ, et al. **Eur Heart J** 1980; Suppl A:21–7
Inhibitory effects of vanadate on the contractile responses in vascular smooth muscle. Ozaki H, et al. **Eur J Pharmacol** 1982 Jun 4;80(4):317–22
Vanadate inhibition of the Ca2+-dependent conformational change of the sarcoplasmic reticulum Ca2+-ATPase. Dupont Y, et al. **FEBS Lett** 1982 Mar 22;139(2):237–40
Comparison of the non-adrenergic action of phentolamine with that of vanadate on cochlear function. Marcus DC, et al. **Hear Res** 1982 Jul;7(2):233–46
Specificity of action of vanadate to the organ of corti. Marcus DC, et al. **Hear Res** 1981 Nov;5(2-3):231–43
A reinvestigation of dynein ATPase kinetics and the inhibitory action of vanadate. Anderson SA, et al. **J Biol Chem** 1982 Jun 25;257(12):6656–8
The interaction of vanadate ions with the Ca-ATPase from sarcoplasmic reticulum. Pick U. **J Biol Chem** 1982 Jun 10; 257(11):6111–9
Vanadate-induced movements of Ca2+ and K+ in human red blood cells. Varecka L, et al. **J Biol Chem** 1982 Jul 10;257(13):7414–21
Interaction of vanadate with membrane-bound ATPase from Mycobacterium phlei. Yoshimura F, et al. **J Biol Chem** 1981 Dec 10;256(23):12239–42
Effects of vanadate on heart and circulation. Borchard U, et al. **J Cardiovasc Pharmacol** 1981 May-Jun;3(3):510–21
Effects of vanadate, Mg2+ and electric current injection on the stiffness of impaled bull spermatozoa. Rikmenspoel R, et al. **J Cell Sci** 1981 Oct;51:53–61
Effect of sodium orthovanadate on renal renin secretion in vivo. López Novoa JM, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):447–51
Effects of vanadate on organic ion accumulation in rat renal cortical slices. Smith JH, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):540–6
Inotropic effects of vanadate in isolated rat and guinea-pig heart under conditions which modify calcium pools involved in contractile activation. Takeda K, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):132–9
Comparison of vanadate and ouabain effects on liver hemodynamics and bile production in the perfused rat liver. Thomsen OO, et al. **J Pharmacol Exp Ther** 1982 Apr; 221(1):197–205
Vanadium-induced inhibition of renal Na+, K+-adenosinetriphosphatase in the chicken after chronic dietary exposure. Phillips TD, et al. **J Toxicol Environ Health** 1982 Apr;9(4):651–61
Dual actions of vanadate on high K-induced contraction in guinea-pig taenia coli. Ueda F, et al. **Jpn J Pharmacol** 1982 Feb;32(1):149–57
Vanadate inhibits urinary acidification by the turtle bladder. Arruda JA, et al. **Kidney Int** 1981 Dec;20(6):772–9
Failure of lithium to counteract vanadate-induced inhibition of red blood cell membrane Na+, K+-ATPase [letter] MacDonald E, et al. **Lancet** 1982 Oct 2;2(8301):774
Inhibitors of dynein activity block intracellular transport in erythrophores. Beckerle MC, et al. **Nature** 1982 Feb 25; 295(5851):701–3
Importance of cardiac cell membranes in vanadate-induced NADH oxidation [letter] Erdmann E, et al. **Nature** 1981 Nov 19;294(5838):288
Vanadate inhibition of brain (Ca + Mg)-ATPase. Robinson JD. **Neurochem Res** 1981 Mar;6(3):225–32
Effect of vanadate on pharmacological actions of cardiac glucosides. Puig-Parellada P, et al. **Pharmacol Res Commun** 1981 Jun;13(6):571–7
Alteration by vanadate of contractility in vascular and intestinal smooth muscle preparations. Hudgins PM, et al. **Pharmacology** 1981;23(3):156–64
Inhibition of protein synthesis in cell cultures by vanadate and in brain homogenates of rats fed vanadate. Montero MR, et al. **Physiol Chem Phys** 1981;13(3):281–7
Inhibition of actomyosin ATPase by vanadate. Goodno CC, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):21–5
Hyperpolarization of neuroblastoma-glioma hybrid NG108-15 by vanadium ions. Lichtstein D, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4202–6
Evidence for centrally mediated effects of vanadate on the blood pressure and heart rate in anesthetized dogs. Hom GJ, et al. **Proc Soc Exp Biol Med** 1982 Mar;169(3):401–5
Further investigations on the vanadate-induced inhibition kinetics of enzyme activity of ciliary dynein from Tetrahymena. Shimizu T. **Prog Clin Biol Res** 1982; 80:107–12
Effects of parenteral vanadium administration on pulmonary metabolism of rats. Kacew S, et al. **Toxicol Lett** 1982 Apr; 11(1-2):119–24
Vanadium increases selective K+-permeability in human erythrocytes. Siemon H, et al. **Toxicology** 1981/82; 22(4):271–8
[Action of vanadium on cardiac contraction] Albanese C, et al. **Recenti Prog Med** 1981 Aug;71(2):202–4 (12 ref.) **(Ita)**
[Vanadium and Na+, K+-ATPase (author's transl)] Matsui H. **Seikagaku** 1981;53(4):246–50 (33 ref.) **(Jpn)**
[Effect of vanadium compounds on the enzymic activity in sarcolemma of developing muscles] Piesneva SA. **Ukr Biokhim Zh** 1982 May-Jun;54(3):264–9 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Tumor inhibition by metallocenes: activity against leukemias and detection of the systemic effect. Köpf-Maier P, et al. **Eur J Cancer** 1981 Jun;17(6):665–9
Cytokinetic behavior of Ehrlich ascites tumor after in vivo treatment with cis-diamminedichloroplatinum(II) and metallocene dichlorides. Köpf-Maier P, et al. **J Cancer Res Clin Oncol** 1981;102(1):21–30
Vanadate and manic-depressive illness [letter] Whyte A. **Lancet** 1981 Oct 17;2(8251):865

TOXICITY

Effects of vanadium on different adenosinetriphosphatases and binding of 3H-labeled ouabain and calcium-45 to rat brain synaptosomes. Mishra SK, et al. **J Toxicol Environ Health** 1981 Sep;8(3):449–61
Lack of effect of vanadyl trichloride on hepatic drug metabolism in the rat. Earnshaw KR, et al. **Pharmacol Res Commun** 1981 Apr;13(4):323–30
[Effect of vanadium on experimental atherosclerosis] Novakova S, et al. **Gig Sanit** 1981 Nov;(11):58–9 **(Rus)**

VANCOMYCIN

Storage of vancomycin oral solution [letter] Mallet L, et al. **N Engl J Med** 1982 Aug 12;307(7):445
Structural features of vancomycin. Pfeiffer RR. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S205-9

ADMINISTRATION & DOSAGE

Sterilization of Ommaya reservoir by instillation of vancomycin. Sutherland GE, et al. **Am J Med** 1981 Dec; 71(6):1068–70
Vancomycin and rifampin therapy for Staphylococcus epidermidis meningitis associated with CSF shunts: report of three cases. Gombert ME, et al. **J Neurosurg** 1981 Oct; 55(4):633–6
[Multiresistant Staphylococcus epidermidis septicemia with meningeal localization. Cure by general and intrathecal administration of vancomycin (letter)] Raoult D, et al. **Nouv Presse Med** 1981 Dec 26;10(47):3855–6 **(Fre)**

ADVERSE EFFECTS

Vancomycin and interstitial nephritis [letter] Eisenberg ES, et al. **Ann Intern Med** 1981 Nov;95(5):658
Vancomycin Ototoxicity in patient with normal renal function. Traber PG, et al. **Ann Intern Med** 1981 Oct; 95(4):458–60
The influence of ototoxic drugs on brainstem auditory evoked potentials in man. Guerit JM, et al. **Arch Otorhinolaryngol** 1981;233(2):189–99
Vancomycin: a reappraisal [letter] Ahmad R, et al. **Br Med J [Clin Res]** 1982 Jun 26;284(6333):1953–4
Suppression of Clostridium difficile by normal hamster cecal flora and prevention of antibiotic-associated cecitis. Wilson KH, et al. **Infect Immun** 1981 Nov;34(2):626–8
Vancomycin-induced hypotension. Waters BG, et al. **Oral Surg** 1981 Sep;52(3):239–40
Vancomycin-induced neutropenia. West BC. **South Med J** 1981 Oct;74(10):1255–6

ANALOGS & DERIVATIVES

[Structure of the tricyclic triaminotricarboxylic acid (Y) from the antibiotic actinoidin] Berdnikova TF. **Antibiotiki** 1981 Nov;26(11):816–20 (Eng. Abstr.) **(Rus)**
[Structure of actinoidins A and B] Berdnikova TF, et al. **Antibiotiki** 1982 Apr;27(4):252–8 (Eng. Abstr.) **(Rus)**
[Revision of the structure of ristomycinic and actinoidinic amino acids] Lomakina NN, et al. **Antibiotiki** 1981 Aug; 26(8):581–5 (Eng. Abstr.) **(Rus)**

BLOOD

Vancomycin blood levels during cardiac bypass surgery. Austin TW, et al. **Can J Surg** 1981 Jul;24(4):423–5

DIAGNOSTIC USE

Lincomycin versus vancomycin in New York City (NYC) medium for the cultural diagnosis of gonorrhoea [letter] Faur YC, et al. **Br J Vener Dis** 1982 Feb;58(1):66

METABOLISM

Vancomycin pharmacokinetics in normal and morbidly obese subjects. Blouin RA, et al. **Antimicrob Agents Chemother** 1982 Apr;21(4):575–80
Comparison of vancomycin disposition in rats with normal and abnormal renal functions. Engineer MS, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):718–22
In vitro evaluation of a vancomycin radioimmunoassay and observations on vancomycin pharmacokinetics in dialysis patients. Polk RE, et al. **Drug Intell Clin Pharm** 1981 Jan; 15(1):15–20
Vancomycin in rabbits: pharmacokinetics, extravascular diffusion, renal excretion and interactions with furosemide. Nivoche Y, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):237–40
Peritoneal transport of vancomycin in 4 patients undergoing continuous ambulatory peritoneal dialysis. Pancorbo S, et al. **Nephron** 1982;31(1):37–9
Pharmacokinetics of vancomycin in anuria. Cunha BA, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S269–72
Pharmacokinetics of vancomycin in normal subjects and in patients with reduced renal function. Moellering RC Jr, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S230–5

PHARMACODYNAMICS

Comparison of the in vitro activities of teichomycin A2 and vancomycin against staphylococci and enterococci. Cynamon MH, et al. **Antimicrob Agents Chemother** 1982 Mar;21(3):504–5
Auxotypes and antibacterial resistance to gonococci with differing susceptibilities to vancomycin. Exner AC, et al. **Br J Vener Dis** 1982 Jun;58(3):166–75
Inhibition of Neisseria gonorrhoeae isolates by Martin-Lewis medium. Epidemiology, susceptibility profile, and plasma analysis. Miller MA, et al. **Br J Vener Dis** 1982 Apr; 58(2):96–100
Variable tolerance of a clinical isolate of Staphylococcus epidermidis from an infected hydrocephalus shunt for several beta-lactam antibiotics, vancomycin and fosfomycin. Traub WH. **Chemotherapy** 1981;27(6):432–43
Vancomycin prophylaxis of experimental Streptococcus sanguis. Inhibition of bacterial adherence rather than bacterial killing. Bernard JP, et al. **J Clin Invest** 1981 Oct; 68(4):1113–6
Vancomycin-sensitive Neisseria gonorrheae [letter] Jaffe HW, et al. **J Infect Dis** 1981 Aug;144(2):198–200
Vancomycin. Fekety R. **Med Clin North Am** 1982 Jan; 66(1):175–181 (35 ref.)
The antibacterial action of vancomycin. Watanakunakorn C. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S210–5

THERAPEUTIC USE

Treatment of recurrent antibiotic-associated pseudomembranous colitis. Tedesco FJ. **Am J Gastroenterol** 1982 Apr;77(4):220–1
Use of vancomycin in treating ulcerative colitis [letter] Gardner ME. **Am J Hosp Pharm** 1981 Apr;38(4):471, 473
Treatment of Clostridium difficile colitis and diarrhea with vancomycin. Silva J Jr, et al. **Am J Med** 1981 Nov; 71(5):815–22
Vancomycin therapy for methicillin-resistant Staphylococcus aureus. Sorrell TC, et al. **Ann Intern Med** 1982 Sep;97(3):344–50
Metronidazole and antibiotic-associated colitis [letter] Brown JR. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1334
Vancomycin: a reappraisal [editorial] Brown R, et al. **Br Med J [Clin Res]** 1982 May 22;284(6328):1508–9
Non-Clostridium difficile pseudomembranous colitis responding to both vancomycin and metronidazole. ? Phillips RK, et al. **Br Med J [Clin Res]** 1981 Sep 26; 283(6295):823
Vancomycin plus gentamicin and cotrimoxazole for prevention of infections in neutropenic cancer patients (a comparative, placebo controlled pilot study). **Malarme M,** et al. **Eur J Cancer Clin Oncol** 1981 Dec;17(12):1315–22
Severe staphylococcal infections treated with vancomycin. Cafferkey MT, et al. **J Antimicrob Chemother** 1982 Jan; 9(1):69–74
Other indications for chloramphenicol and vancomycin [letter] Coleman TJ. **Lancet** 1982 Sep 11;2(8298):613
Chloramphenicol, erythromycin, vancomycin, tetracyclines. Kucers A. **Lancet** 1982 Aug 21;2(8295):425–9
Intraoperative antibiotic prophylaxis in neurosurgery: a clinical study. Quartey GR, et al. **Neurosurgery** 1981 Jun; 8(6):669–71
Treatment of antibiotic-associated enterocolitis with vancomycin. Fekety R, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S273–81
Vancomycin therapy for infective endocarditis. Geraci JE, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S250–8
Introduction to vancomycin. Griffith RS. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S200–4
Vancomycin for treatment of bacterial meningitis. Gump DW. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S289–92
Vancomycin therapy in severe staphylococcal infections. Kirby WM. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S236–9
Evaluation of antimicrobial agents in the rabbit model of endocarditis. Sande MA. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S240–9
Pharmacology and efficacy of vancomycin for staphylococcal infections in children. Schaad UB, et al.

Rev Infect Dis 1981 Nov-Dec;3 suppl:S282-8
[Vancomycin: treatment of staphylococcal septicemias and pseudomembranous colitis] Chevrel B. **Med Chir Dig** 1982; 11(3):217-21 **(Fre)**

TOXICITY

Toxicology of vancomycin in laboratory animals. Wold JS, et al. **Rev Infect Dis** 1981 Nov-Dec;3 suppl:S224-9

VANILLIC ACID see under **HYDROXYBENZOIC ACIDS**

VANILLIN

ANALOGS & DERIVATIVES

Catechol O-methyltransferase. 10. 5-Substituted 3-hydroxy-4-methoxybenzoic acids (isovanillic acids) and 5-substituted 3-hydroxy-4-methoxybenzaldehydes (isovanillins) as potential inhibitors. Borchardt RT, et al. **J Med Chem** 1982 Mar;25(3):258-63

VANILMANDELIC ACID

CEREBROSPINAL FLUID

Levels of HIAA and VMA in c.s.f. of schizophrenics before and after treatment. Okasha A, et al. **Egypt J Psychiatry** 1978 Dec;1(1):38-50

METABOLISM

Catecholamine metabolites in spinal cord injury. Harvey RF, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):419-22
Norepinephrine metabolism in man using deuterium labeling: turnover 4-hydroxy-3-methoxymandelic acid. Mårdh G, et al. **J Neurochem** 1982 Jun;38(6):1582-7
[Characteristics of central neurotransmitter metabolism in hereditary extrapyramidal disorders] Iwanowa-Smolenskaja JA, et al. **Neurol Neurochir Pol** 1981 Jul-Aug;15(4):377-80 (Eng. Abstr.) **(Pol)**

URINE

Renal excretion of vanillylmandelic acid and homovanillic acid in rats with paw edema or adjuvant arthritis. Krause E, et al. **Agents Actions [Suppl]** 1982;10:185-94
Increased 24-hour urine vanillylmandelic acid in patients without pheochromocytoma [letter] Nanji AA, et al. **Am Heart J** 1982 Jun;103(6):1088
Mass screening of neuroblastoma in infancy. Sawada T, et al. **Am J Dis Child** 1982 Aug;136(8):710-2
Improved simultaneous gas-chromatographic analysis for homovanillic acid and vanillylmandelic acid in urine. Leiendecker-Foster C, et al. **Clin Chem** 1981 Dec; 27(12):2029-32
Urinary catecholamine metabolites (vanylmandelic and homovanillic acids) in the rat after subchronic treatment with sodium nitrate or nitrite. Laurens S, et al. **Experientia** 1982 Apr 15;38(4):486-8
Simplified assay method for measuring 3-methoxy-4-hydroxy mandelic acid in human urine. Minami M, et al. **Ind Health** 1982;20(1):27-34
Simple high-performance liquid chromatographic method for the concurrent determination of the amine metabolites vanillylmandelic acid, 3-methoxy-4-hydroxyphenylglycol, 5-hydroxyindoleacetic acid, dihydroxyphenylacetic acid and homovanillic acid in urine using electrochemical detection. Joseph MH, et al. **J Chromatogr** 1981 Dec 11; 226(2):361-8
Simple method for the determination of homovanillic acid and vanillylmandelic acid in urine by high-performance liquid chromatography. Yoshida A, et al. **J Chromatogr** 1982 Jan 8;227(1):162-7
Determination of urinary vanilmandelic acid and homovanillic acid by high performance liquid chromatography with amperometric detection. Bauersfeld W, et al. **J Clin Chem Clin Biochem** 1982 Apr;20(4):217-20
Circadian course of body temperature and the excretion of MHPG and VMA in a patient with bipolar depression. Pflug B, et al. **J Neural Transm** 1982;53(2-3):213-5
Urinary excretion of vanillylmandelic acid and effect of some anti-inflammatory drugs in cotton pellet inflammation. Kayama E, et al. **Jpn J Pharmacol** 1981 Oct;31(5):860-2
Modification of the Helena electrophoretic procedure for urinary VMA for paediatric purposes. Ersser RS, et al. **Med Lab Sci** 1982 Jan;39(1):63-5
Urinary 4-hydroxy-3-methoxymandelic acid determination--an improvement in specificity. Richards DA. **Med Lab Sci** 1981 Mar;38(2):111-3
[Effect of calcium pangamate on catecholamine metabolism in rheumatoid arthritis patients] Garmash VIa, et al. **Ter Arkh** 1981;53(7):17-9 (Eng. Abstr.) **(Rus)**
[Determination of vanilmandelic acid in urine in retinoblastoma] Artiko GH, et al. **Srp Arh Celok Lek** 1981 Aug;109(8):1021-8 (Eng. Abstr.) **(Sec)**
[Excretion of pressor amines and their metabolites after hyperthermic loading in patients with regressive changes in the locomotor system] Sebo M, et al. **Fysiatr Reumatol Vestn** 1982 Jan;60(1):21-7 (Eng. Abstr.) **(Slo)**

VAPORIZATION see **VOLATILIZATION**

VARIATION (GENETICS)

A report on the detection of placental acid phosphatase variants from Andhra Pradesh, South India. Kumar NS, et al. **Acta Anthropogenet** 1981;5(3):147-50
The role of enzyme variants, polymorphisms and enzyme hybrids in enzyme deficiency conditions. Aebi H, et al. **Acta Biol Med Ger** 1981;40(4-5):537-41
New stable mutant (Gd(-) variants: G6PD Tashkent and G6PD Nucus. Molecular basis of hereditary enzyme deficiency. Yermakov N, et al. **Acta Biol Med Ger** 1981; 40(4-5):559-62
Genetic consequences of variation in sib maturation schedules. Thorne BL. **Acta Biotheor (Leiden)** 1981; 30(4):219-27
The inheritance of plasma and red blood cell magnesium and zinc levels studied from twin and family data. Darlu P, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):67-75
Estimation of the frequency of hexosaminidase a variant alleles in the American Jewish population. Greenberg DA, et al. **Am J Hum Genet** 1982 May;34(3):444-51
A new variant glyoxalase I allele that is readily detectable in stimulated lymphocytes and lymphoblastoid cell lines but not in circulating lymphocytes or erythrocytes. Kavathas P, et al. **Am J Hum Genet** 1981 Nov;33(6):935-45
Two previously undetected variants of glutamic-pyruvic transaminase found by acidic polyacrylamide gel electrophoresis. McLellan T. **Am J Hum Genet** 1982 Jul; 34(4):623-9
ACP1GUA-1--a low-activity variant of human erythrocyte acid phosphatase: association with increased glutathione reductase activity. Mohrenweiser HW, et al. **Am J Hum Genet** 1982 May;34(3):425-33
Evidence for a major dominance component in the variation of serum pepsinogen I levels. Rotter JI, et al. **Am J Hum Genet** 1982 May;34(3):395-401
Separation of allelic variants by two-dimensional electrophoresis. Wanner LA, et al. **Am J Hum Genet** 1982 Mar;34(2):209-15
Path analysis of total palmar pattern ridge counts. Malhotra KC, et al. **Am J Phys Anthropol** 1982 Jun;58(2):187-9
A new anodal alpha 1-antitrypsin variant associated with emphysema: Pi Bsaskatoon. Horne SL, et al. **Am Rev Respir Dis** 1982 May;125(5):594-600
Geographic variation of muscle adenylate kinase in the loach Misgurnus anguillicaudatus. Oniwa K, et al. **Anim Blood Groups Biochem Genet** 1981;12(4):309-12
Evidence for directional non-additivity in the genetics of finger ridge counts. Martin NG, et al. **Ann Hum Biol** 1982 May-Jun;9(3):253-63
The effects of increased phenotypic variance on the evolutionary outcomes of generalized major-gene models. Carmelli D, et al. **Ann Hum Genet** 1980 Jul;44(Pt 1):81-93
A note on the correct definition of additive deviation and dominance deviation. Wilson SR. **Ann Hum Genet** 1980 Jul;44(Pt 1):113-5
A variant form of metachromatic leukodystrophy without arylsulfatase deficiency. Hahn AF, et al. **Ann Neurol** 1982 Jul;12(1):33-6
A study of bilateral variation (handedness, hand clasping, and arm folding) among Thakurs from the village Shobhasan (Gujarat, India) Pandey AK, et al. **Anthropol Anz** 1982 Mar;40(1):45-9
An electrophoretically cryptic alcohol dehydrogenase variant in Drosophila melanogaster. III. Biochemical properties and comparison with common enzyme forms. Chambers GK, et al. **Aust J Biol Sci** 1981;34(5-6):625-37
Geographic and genetic variation in death-feigning behavior in the flour beetle, Tribolium castaneum. Prohammer LA, et al. **Behav Genet** 1981 Jul;11(4):395-401
Normal glycosaminoglycan production in a galactosylation-defective lectin-resistant CHO cell variant. Briles EB. **Biochem Biophys Res Commun** 1981 Nov 16; 103(1):38-45
Glycan uniformity within molecular variants of transferrin with distinct affinity for concanavalin A. Kerckaert JP, et al. **Biochem Biophys Res Commun** 1982 Apr 14; 105(3):1023-30
Characterization of serum cholinesterase variants by kinetic analysis and isoelectric focusing. Gilbert U, et al. **Biochem Exp Biol** 1980;16(4):349-55
Characterization of two new electrophoretic variants of human triosephosphate isomerase: stability, kinetic, and immunological properties. Asakawa J, et al. **Biochem Genet** 1982 Feb;20(1-2):59-76
Hereditary high-adenosine triphosphate syndrome: study of a new variant. Bapat JP, et al. **Biochem Genet** 1981 Oct; 19(9-10):1017-22
LDH Calcutta-1: a mutation of the B subunit of human lactate dehydrogenase. Cutten AE. **Biochem Genet** 1981 Aug;19(7-8):831-40
Human thyroxine-binding globulin (TBG): heterogeneity within individuals and among individuals demonstrated by isoelectric focusing. Daiger SP, et al. **Biochem Genet** 1981 Aug;19(7-8):673-85
Alpha-thalassemia and the production of different alpha chain variants in heterozygotes. Felice AE, et al. **Biochem Genet** 1981 Jun;19(5-6):487-98
Thermolability characteristics and inheritance of human red cell nucleoside triphosphate pyrophosphohydrolase. Fuller SA, et al. **Biochem Genet** 1981 Oct;19(9-10):955-70
Immunoreactivity of the two common allozymes of murine glucosephosphate isomerase. Gearhart J, et al. **Biochem Genet** 1981 Jun;19(5-6):445-55
Regulation of amylase activity in Drosophila melanogaster: variation in the number of enzyme molecules produced by different amylase genotypes. Hickey DA. **Biochem Genet** 1981 Aug;19(7-8):783-96
Amino acid substitution and chemical characterization of a Japanese variant of carbonic anhydrase I: CA I Hiroshima-1 (86 Asp replaced by Gly). Kageoka T, et al. **Biochem Genet** 1981 Jun;19(5-6):535-49
Sex-limited genetic variation in a mouse salivary protein. Karn RC, et al. **Biochem Genet** 1982 Jun;20(5-6):493-504
Genetic variability of proteins from plasma membranes and cytosols of mouse organs. Klose J, et al. **Biochem Genet** 1981 Oct;19(9-10):859-70
Biochemical genetics of some seed proteins of Pinus radiata. Langridge P, et al. **Biochem Genet** 1981 Jun;19(5-6):585-97
Genetic, ontogenetic, and tissue-specific variation of dipeptidases in Drosophila melanogaster. Laurie-Ahlberg CC. **Biochem Genet** 1982 Jun;20(5-6):407-24
Serial electrophoretic transfers: a technique for the identification of numerous enzymes from single polyacrylamide gels. McLellan T, et al. **Biochem Genet** 1981 Aug;19(7-8):647-54
A new genetic variation of the malate dehydrogenase-like enzyme (MDL-1) in inbred rats and its possible linkage. Matsumoto K, et al. **Biochem Genet** 1982 Jun;20(5-6):443-8
Drosophila alcohol dehydrogenase: developmental studies on cryptic variant lines. Miglani GS, et al. **Biochem Genet** 1981 Oct;19(9-10):947-54
Genetic variation of milk proteins in mice. Piletz JE, et al. **Biochem Genet** 1981 Oct;19(9-10):1023-30
Genetic control of the quantitative variation of erythrocytic glyoxalase-1(GLO-1) in mice. Rubinstein P, et al. **Biochem Genet** 1982 Feb;20(1-2):153-63
Identification of eleven human hemoglobin variants by high-performance liquid chromatography: additional data on functional properties and clinical expression. Schroeder WA, et al. **Biochem Genet** 1982 Feb;20(1-2):133-52
Genetic variation for prolidase (PEP-4) in the mouse maps near the gene for glucosephosphate isomerase (GPI-1) on chromosome 7. Skow LC. **Biochem Genet** 1981 Aug; 19(7-8):695-700
Genetic control of hexokinase variation in insects. Tabachnick WJ, et al. **Biochem Genet** 1982 Feb; 20(1-2):47-57
Comparison of renal ornithine transcarbamylase activities within different chicken breeds. Tsuji S, et al. **Biochem Genet** 1981 Oct;19(9-10):881-93
Extensive variation at the alpha-glycerophosphate dehydrogenase locus in species of waterstriders (Gerridae: Hemiptera). Zera AJ. **Biochem Genet** 1981 Aug; 19(7-8):797-812
Carboxy-terminal amino acid sequence of a human fibrinogen gamma-chain variant (gamma'). Wolfenstein-Todel C, et al. **Biochemistry** 1981 Oct 13;20(21):6146-9
An enzymatically inactive variant of human lactate dehydrogenase-LDHBGUA-1. Study of subunit interaction. Mohrenweiser HW, et al. **Biochim Biophys Acta** 1982 Mar 18;702(1):90-8
Birth defects and the potential role of genetic differences in drug metabolism. Nebert DW. **Birth Defects** 1981; 17(1):51-70
A shortened variant of red cell membrane protein 4.1. Alloisio N, et al. **Blood** 1982 Jul;60(1):265-7
A variant of von Willebrand's disease with abnormal expression of factor VIII procoagulant activity. Montgomery RR, et al. **Blood** 1982 Jul;60(1):201-7
Hemoglobin Great Lakes (beta 68 [E12] leucine replaced by histidine): a new high-affinity hemoglobin. Rahbar S, et al. **Blood** 1981 Oct;58(4):813-7
Variations in gene expression during development of the rat cerebellum. Soreq H, et al. **Brain Res** 1982 Jan;255(1):65-79
Mitochondrial genome diversity and the evolution of mitochondrial DNA. Gray MW. **Can J Biochem** 1982 Mar; 60(3):157-71 (185 ref.)
Inheritance of allozymes in Atlantic herring (Clupea harengus harengus). Kornfield I, et al. **Can J Genet Cytol** 1981;23(4):715-20
Human chromosomal heteromorphisms in American blacks. IV. Intensity variation in centromeric regions of chromosomes 3 and 4. Verma RS, et al. **Can J Genet Cytol** 1981;23(2):315-20
The Upjohn Award Lecture 1981/La Conférence Upjohn 1981. The metabolism of xenobiotics in different populations. Kalow W. **Can J Physiol Pharmacol** 1982 Jan; 60(1):1-12 (91 ref.)
Intraspecies variation in transfer RNA methyltransferases of inbred mice. Dizik M, et al. **Cancer Res** 1982 Oct; 42(10):4064-7
SOS functions, cancer and inducible evolution. Echols H. **Cell** 1981 Jul;25(1):1-2 (16 ref.)
Cytogenetic studies of the Australian rodent, Uromys caudimaculatus, a species showing extensive heterochromatin variation. Baverstock PR, et al. **Chromosoma** 1982 Feb;84(4):517-33
Cell-specific variation of X chromosome replication in the Syrian hamster (Mesocricetus auratus). Cawood AH. **Chromosoma** 1981;84(3):365-72
Structural organization of the heterochromatic region of human chromosome 9. Donlon TA, et al. **Chromosoma** 1981;84(3):353-63

Genetic analysis of the larval secretion gene Sgs-4 and its regulatory chromosome sites in Drosophila melanogaster. Korge G. **Chromosoma** 1981;84(3):373–90

Variation in nucleolar organizer activity in lymphocytes of females with adenocarcinoma. Cheng DM, et al. **Clin Genet** 1981 Mar;19(3):145–8

Holt-Oram syndrome: penetrance of the gene and lack of maternal effect. Gladstone I Jr, et al. **Clin Genet** 1982 Feb; 21(2):98–103

Genetics of the low density lipoprotein receptor: II. Genetic control of variation in cell membrane low density lipoprotein receptor activity in cultured fibroblasts. Magnus P, et al. **Clin Genet** 1981 Aug;20(2):104–12

Phenotypic variation in Meckel syndrome. Seller MJ. **Clin Genet** 1981 Jul;20(1):74–7

An experimental geneticist looks at catecholamine metabolism. Shire JG. **Clin Genet** 1981 May;19(5):418–26 (65 ref.)

Two unusual G-band variants of the short arm of chromosome 9. Sutherland GR, et al. **Clin Genet** 1981 May; 19(5):331–4

Genetic heterogeneity and clinical variability in the Sanfilippo syndrome (types A, B, and C). van de Kamp JJ, et al. **Clin Genet** 1981 Aug;20(2):152–60

Some new normal roentgen variants that may simulate disease. Keats TE. **Curr Probl Diagn Radiol** 1981 May–Jun; 10(3):1–52

Xeroderma pigmentosum variants. Cleaver JE, et al. **Cytogenet Cell Genet** 1981;31(3):188–92

Hyperglycemic activity of the 20,000-dalton variant of human growth hormone. Lewis UJ, et al. **Endocr Res Commun** 1981;8(3):155–64

The biological half-life of human growth hormone and a biologically active 20,000-dalton variant in mouse blood. Sigel MB, et al. **Endocr Res Commun** 1982;9(1):67–77

Immunochemical studies of human placental-type variants of alkaline phosphatase. Structural differences between the 'Nagao isoenzyme' and the placental 'D-variant'. Wei SC, et al. **Eur J Biochem** 1981 Aug;118(1):39–45

Trypanosoma congolense: surface glycoproteins of two early bloodstream variants. I. Production of a relapsing infection in rodents. Rosen NL, et al. **Exp Parasitol** 1981 Oct; 52(2):210–8

Enzyme activities of a cold-resistant L cell variant. Holečková E, et al. **Experientia** 1982 May 15;38(5):590–2

Genetic variants of properdin factor B (Bf) in Papio hamadryas baboons. Dykes DD, et al. **Folia Primatol (Basel)** 1981;36(3–4):226–31

Unstable drug resistance in Staphylococcus aureus M4. Grubb WB, et al. **Genet Res** 1981 Dec;38(3):217–23

Allelic variation at several different genetic loci determines the major urinary protein phenotype of inbred mouse strains. Hainey S, et al. **Genet Res** 1982 Feb;39(1):31–9

Direct and correlated responses to selection for plasma thyroxine levels in mice. Tilakaratne N, et al. **Genet Res** 1981 Oct;38(2):157–69

Genetic variation and genetic load due to the male reproductive component of fitness in Drosophila. Brittnacher JG. **Genetics** 1981 Mar–Apr;97(3–4):719–30

Genetic diversity and temporal variation in the E. coli population of a human host. Caugant DA, et al. **Genetics** 1981 Jul;98(3):467–90

Doubled haploids for studying the inheritance of quantitative characters. Choo TM. **Genetics** 1981 Nov–Dec; 99(3–4):525–40

Genetic variability at the esterase-6 locus in natural populations of Drosophila simulans in relation to environmental heterogeneity. de Albuquerque CM, et al. **Genetics** 1981 Jun;98(2):399–407

The molecular basis of dominance. Kacser H, et al. **Genetics** 1981 Mar–Apr;97(3–4):639–66

The minimum number of genes contributing to quantitative variation between and within populations. Lande R. **Genetics** 1981 Nov–Dec;99(3–4):541–53

The genetics of Drosophila subobscura populations. XVII. Further genic heterogeneity within electromorphs by urea denaturation and the effect of the increased genic variability on linkage disequilibrium studies. Loukas M, et al. **Genetics** 1981 Feb;97(2):429–41

Occupational and environmental risks in and around a smelter in northern Sweden. VIII. Three-year follow-up of chromosomal aberrations in workers exposed to lead. Beckman L, et al. **Hereditas** 1982;96(2):261–4

Low degree of isozyme variation within and between Herring Gull (larus argentatus), Lesser Black-backed Gull (Larus fuscus) and their British and Swedish subspecies. Ryttman H, et al. **Hereditas** 1981;94(2):161–4

Simple mendelian inheritance at a locus coding for alpha-glycerophosphate dehydrogenase in brown trout (Salmo trutta). Ståhl G, et al. **Hereditas** 1982;96(2):313–5

Genetical variation for enzyme activity in a population of Drosophila melanogaster. VII. Genotype-environment interaction for alcohol dehydrogenase (ADH) activity. Birley AJ, et al. **Heredity (Edinburgh)** 1981 Jun; 46(3):427–41

Altered salivary amylase gene in the mouse strain BXD-16. Hjorth JP. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):127–35

Lack of relationship between morphological variance and enzyme heterozygosity in the plaice, Pleuronectes platessa. McAndrew BJ, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):117–25

Effect of short term directional selection on genetic variability: experiments with Drosophila melanogaster. Sorensen DA, et al. **Heredity (Edinburgh)** 1982 Feb;48(Pt 1):27–33

Two mutant forms of human insulin. Structural consequences of the substitution of invariant B24- or B25-phenylalanine by leucine. Wollmer A, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jun;362(6):581–91

A search for the Indianapolis-variant of human alcohol dehydrogenase in liver autopsy samples from North Germany and Japan. Agarwal DP, et al. **Hum Genet** 1981; 59(2):170–1

Glucose-6-phosphate dehydrogenase deficiency in Papua New Guinea. The description of 13 new variants. Chockkalingam K, et al. **Hum Genet** 1982;60(2):189–92

Glucose 6-phosphate dehydrogenase variants of Bali island (Indonesia). Chockkalingam K, et al. **Hum Genet** 1982; 60(1):60–2

Correlations between the clinical course, characteristics of blast cells, and karyotype patterns in chronic myeloid leukemia. Fleischman EW, et al. **Hum Genet** 1981; 58(3):285–93

Glucose 6-phosphate dehydrogenase variants: a unique variant (G6PD Kobe) showed an extremely increased affinity for galactose 6-phosphate and a new variant (G6PD Sapporo) resembling G6PD Pea Ridge. Fujii H, et al. **Hum Genet** 1981;58(4):405–7

Ultrathin-layer isoelectrofocusing for rapid diagnosis of protein variants. Goedde HW, et al. **Hum Genet** 1981; 57(4):434–6

Genetic analysis of human lymphocyte proteins by two-dimensional gel electrophoresis: 1. Detection of genetic variant polypeptides in PHA-stimulated peripheral blood lymphocytes. Hamaguchi H, et al. **Hum Genet** 1981; 59(3):215–20

Genetic variation of hexosaminidase A and arylsulfatase A activity. Correlation study in amnio-maternal pairs of cultured cells. Harzer K, et al. **Hum Genet** 1981;57(4):394–8

Finger ridge-count variation in 45,X Turner's syndrome. Jantz RL, et al. **Hum Genet** 1981;57(4):376–9

Variability of the nucleolar organizer activity in human lymphocytes via Ag-staining. Jotterand-Bellomo M, et al. **Hum Genet** 1981;59(2):141–7

Genetic variants of placental alkaline phosphatase as detected by a monoclonal antibody. Millán JL, et al. **Hum Genet** 1982;60(2):145–9

The genetic structure of the Kuwaiti population II: The distribution of Q-band chromosomal heteromorphisms. Al-Nassar KE, et al. **Hum Genet** 1981;57(4):423–7

Quantitative variations of red-cell cytochrome b5 reductase (NADH-methemoglobin-reductase) in the Algerian population: evidence for defective alleles. Reghis A, et al. **Hum Genet** 1981;59(2):148–55

A new hereditary variant of the PGM1 erythrocyte enzyme system determined by isoelectric focusing. Sachs V, et al. **Hum Genet** 1981;58(4):411–3

High resolution analysis and differential condensation in RBA-banded human chromosomes. Schollmayer E, et al. **Hum Genet** 1981;59(3):187–93

Five new Gc variants detected by isoelectric focusing in agarose gel. Thymann M, et al. **Hum Genet** 1982; 60(4):340–3

Distribution, age and sex variation of the mean epidermal ridge breadth. David TJ. **Hum Hered** 1981;31(5):279–82

Alleles of the second component of complement (C2) in insulin-dependent diabetes mellitus. Dornan J, et al. **Hum Hered** 1981;31(4):211–3

Differential inhibition of plasma cholinesterase variants using the dibutyrate analogue of pancuronium bromide. Whittaker M, et al. **Hum Hered** 1981;31(4):242–7

Genetic variation of urinary pepsinogen and its probable linkage to albinism in the rat. Cramer DV. **Immunogenetics** 1981;13(6):555–8

Functional heterogeneity of H-2Dk-region products. Démant P, et al. **Immunogenetics** 1981;13(5):457–61

Quantitative variation in H-2-antigen expression. I. Estimation of H-2K and H-2D expression in different strains of mice. O'Neill HC, et al. **Immunogenetics** 1980; 11(3):225–39

Quantitative variation in H-2-antigen expression. II. Evidence for a dominance pattern in H-2K and H-2D expression in F1 hybrid mice. O'Neill HC. **Immunogenetics** 1980;11(3):241–54

H-2 effects on cell-cell interactions in the response to single non-H2 alloantigens. IV. Variations in the proliferative response to H-Y and H-3. Wettstein PJ. **Immunogenetics** 1981;14(3–4):241–52

Possible role of genetic cell variants in the viral induction of mouse mammary tumors. Lasfargues EY, et al. **In Vitro** 1981 Sep;17(9):805–10

Calcutta-1 LDH: kinetic and thermodynamic properties of an electrophoretic variant of human LDH. Cutten AE. **Int J Biochem** 1981;13(9):999–1004

Lectin-resistant cell surface variants of eukaryotic cells. Briles EB. **Int Rev Cytol** 1982;75:101–65 (168 ref.)

Structure of amplified normal and variant dihydrofolate reductase genes in mouse sarcoma S180 cells. Crouse GF, et al. **J Biol Chem** 1982 Jul 10;257(13):7887–97

Characterization of the DNA polymerases induced by a group of herpes simplex virus type I variants selected for growth in the presence of phosphonoformic acid. Derse D, et al. **J Biol Chem** 1982 Sep 10;257(17):10251–60

High density lipoprotein-3 heterogeneity in subjects with the apo-AIMilano variant. Franceschini G, et al. **J Biol Chem** 1982 Sep 10;257(17):9926–30

Biochemical characterization of genetically variant aromatic amine N-acetyltransferases in A/J and C57BL/6J mice. Glowinski IB, et al. **J Biol Chem** 1982 Feb 10;257(3):1431–7

Genetic regulation of aromatic amine N-acetylation in inbred mice. Glowinski IB, et al. **J Biol Chem** 1982 Feb 10; 257(3):1424–30

Genetic variation in glycosylation of the fourth component of murine complement. Association with hemolytic activity. Karp DR, et al. **J Biol Chem** 1982 Jul 10; 257(13):7330–5

Carbohydrate structure of the concanavalin A molecular variants of alpha-fetoprotein. Krusius T, et al. **J Biol Chem** 1982 Apr 10;257(7):3453–7

Natural variation in yeast RNA polymerase A. Formation of a mosaic RNA polymerase A in a meiotic segregant from an interspecific hybrid. Riva M, et al. **J Biol Chem** 1982 Apr 25;257(8):4570–7

Isolation and characterization of TH2A, a germ cell-specific variant of histone 2A in rat testis. Trostle-Weige PK, et al. **J Biol Chem** 1982 May 25;257(10):5560–7

Genetic variants of group A apolipoproteins. Rapid methods for screening and characterization without ultracentrifugation. Utermann G, et al. **J Biol Chem** 1982 Jan 10;257(1):501–7

Transcortin Leuven: a variant of human corticosteroid-binding globulin with decreased cortisol-binding affinity. Van Baelen H, et al. **J Biol Chem** 1982 Apr 10;257(7):3397–400

Immunological characterization of metallothioneins in mouse LMTK cells and in a variant resistant to cadmium. Maiti I, et al. **J Cell Physiol** 1982 Jul;112(1):35–41

Characterization of biochemically atypical Vibrio cholerae strains and designation of a new pathogenic species, Vibrio mimicus. Davis BR, et al. **J Clin Microbiol** 1981 Dec; 14(6):631–9

Atypical toxin variant of Clostridium botulinum type B associated with infant botulism. Hatheway CL, et al. **J Clin Microbiol** 1981 Dec;14(6):607–11

Balb/c T cells have the potential to recognize the TEPC 15 prototype antibody and its somatic variants. Pierce SK, et al. **J Exp Med** 1981 Oct 1;154(4):1178–87

Mechanisms of syngeneic tumor rejection. Susceptibility of host-selected progressor variants to various immunological effector cells. Urban JL, et al. **J Exp Med** 1982 Feb 1; 155(2):557–73

Somatically generated mouse myeloma variants synthesizing IgA half-molecules. Zack DJ, et al. **J Exp Med** 1981 Nov 1;154(5):1554–69

Mating propensities and variations in enzyme activities in long-term cage populations of Drosophila melanogaster. Alahiotis SN, et al. **J Hered** 1982 Jan–Feb;73(1):53–8

Genetic regulation of murine hepatic arylsulfatase B activity during development. Daniel WL, et al. **J Hered** 1982 Jan–Feb;73(1):24–8

Wavy: a new recessive rexoid mutant in the Norway rat. Greaves JH. **J Hered** 1981 Jul–Aug;72(4):291–2

Relationships among colonies of the laboratory rat. Lovell DP, et al. **J Hered** 1982 Jan–Feb;73(1):81–2

High level of genetic variability among commercially available 'inbred' Mongolian gerbils. Waring AD. **J Hered** 1981 Sep–Oct;72(5):370

Transposable elements controlling genetic instabilities in mammals. Whitney JB 3d, et al. **J Hered** 1982 Jan–Feb; 73(1):12–8 (59 ref.)

Frequency of naturally occurring antibody to influenza virus antigenic variants selected in vitro with monoclonal antibody. Natali A, et al. **J Hyg (Lond)** 1981 Oct; 87(2):185–90

Unusual heavy chains of human IgG immunoglobulins: rearrangements of the ch domain exons. Lefranc G, et al. **J Immunogenet** 1982 Feb;9(1):1–9

Variants from a MLV-induced lymphoma selected for decreased sensitivity to NK lysis. Grönberg A, et al. **J Immunol** 1981 Nov;127(5):1734–9

Variation in histocompatibility antigen expression on murine tumors: differences in expression and immunogenicity of H-2K region-coded unique antigens. Imamura M, et al. **J Immunol** 1982 Aug;129(2):877–81

Human B cell alloantigens; alpha subunit variability. Markert ML, et al. **J Immunol** 1982 May;128(5):1999–2003

Immunoglobulin glycopeptides from an IgG2b-producing mouse myeloma cell line and from variant cell lines. Weitzman S, et al. **J Immunol** 1981 Nov;127(5):2095–101

Chromatographic fractionation of rhesus monkey (Macaca mulatta) IgG subclasses using deae cellulose and protein A-sepharose. Martin LN. **J Immunol Methods** 1982; 50(3):319–29

Hypoxanthine-guanine phosphoribosyltransferase variants: correlation of clinical phenotype with enzyme activity. Page T, et al. **J Inherited Metab Dis** 1981;4(4):203–6

Multiple pterygium syndrome. Penchaszadeh VB, et al. **J Med Genet** 1981 Dec;18(6):451–5

Diversity of expression of non-muscle actin in amphibia. Vandekerckhove J, et al. **J Mol Biol** 1981 Oct 25; 152(2):413–26

Structural dissimilarities in different regions of the pineal gland of Pirbright white guinea-pigs. Jung D, et al. **J Neural Transm** 1982;54(1–2):117–28

Conservation and variation in the hemagglutinins of Hong Kong subtype influenza viruses during antigenic drift. Both

GW, et al. **J Virol** 1981 Sep;39(3):663–72

Isolation of non-piliated clone of Corynebacterium renale strain 115. Okamoto R, et al. **Jpn J Vet Res** 1981 Oct; 29(3–4):79–82

HLA incompatibility, genetic diversity, and survival. [letter] Hull P. **Lancet** 1981 Oct 24;2(8252):933–4

Antigenic variability of bacterial RNA polymerases. Nikiforov VG, et al. **MGG** 1981;183(3):518–21

Purification and characterization of mouse beta-2 microglobulin: allelic variants from two different strains. Ramanathan L, et al. **Mol Immunol** 1982 Mar;19(3):435–46

Relation between the somatic toxicity of dimethylnitrosamine and a genetically determined variation in the level and induction of cytochrome P450 in Drosophila melanogaster. Hällström I, et al. **Mutat Res** 1982 Feb 22;92(1–2):161–8

Factors influencing sister-chromatid exchange rate in cultured human lymphocytes. Morgan WF, et al. **Mutat Res** 1981 May;81(3):395–402

Rate of turnover of structural variants in the rDNA gene family of Drosophila melanogaster. Coen ES, et al. **Nature** 1982 Feb 18;295(5850):564–8

Natural variation in the blood--brain barrier. Cragg BG, et al. **Neurosci Lett** 1981 Dec 23;27(3):309–12

Symptomatic large parietal foramina. Pang D, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):33–7

The changes in proviral chromatin that accompany morphological variation in avian sarcoma virus-infected rat cells. Chiswell DJ, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3967–80

Homologous 3'-terminal regions of mRNAs for surface antigens of different antigenic variants of Trypanosoma brucei. Majumder HK, et al. **Nucleic Acids Res** 1981 Sep 25;9(18):4745–53

Characterization of the expression-linked gene copies of variant surface glycoprotein 118 in two independently isolated clones of Trypanosoma brucei. Michels PA, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2353–66

Structure and expression of a Trypanosoma brucei gambiense variant specific antigen gene. Pays E, et al. **Nucleic Acids Res** 1982 May 25;10(10):3149–63

Variation in the sequence and modification state of the human insulin gene flanking regions. Ullrich A, et al. **Nucleic Acids Res** 1982 Apr 10;10(7):2225–40

RNA splicing is required to make the messenger RNA for a variant surface antigen in trypanosomes. Van der Ploeg LH, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3591–604

Isolation and characterization of R-plasmid variants with enhanced chromosomal mobilization ability in Escherichia coli K-12. Nayudu M, et al. **Plasmid** 1981 Jul;6(1):53–66

Genetic variation in packed cell volume associated with variations in response to cold temperature. Adlman LB, et al. **Poult Sci** 1981 Jul;60(7):1574–5

Genetic variation in natural populations: problem of electrophoretically cryptic alleles. Ayala FJ. **Proc Natl Acad Sci USA** 1982 Jan;79(2):550–4

Estimating genetic divergence and genetic variability with restriction endonucleases. Engels WR. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6329–33

Superoxide dismutase in Drosophila melanogaster: biochemical and structural characterization of allozyme variants. Lee YM, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):7052–5

Rat basophilic leukemia cell lines defective in phospholipid methyltransferase enzymes, Ca2+ influx, and histamine release: reconstitution by hybridization. McGivney A, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6176–80

Protein variations associated with Lesch-Nyhan syndrome. Merril CR, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6471–5

Frequency of enzyme deficiency variants in erythrocytes of newborn infants. Mohrenweiser HW. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5046–50

Frequency of thermostability variants: estimation of total 'rare' variant frequency in human populations. Mohrenweiser HW, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5729–33

Genetic variation in rates of antipyrine metabolite formation: a study in uninduced twins. Penno MB, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5193–6

Reconstitution of a variant macrophage cell line defective in oxygen metabolism with a H_2O_2-generating system. Tanaka Y, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2584–8

Genetics of quantitative variation of human scalp hair diameter. Das-Chaudhuri AB. **Prog Clin Biol Res** 1981;69 Pt C:231–8

How stable are personality traits? Eaves LJ, et al. **Prog Clin Biol Res** 1981;69 Pt B:87–97

Placentation effects on cognitive resemblance of adult monozygotes. Rose RJ, et al. **Prog Clin Biol Res** 1981;69 Pt B:35–41

In search of the missing environmental variance in cognitive ability. Vandenberg SG, et al. **Prog Clin Biol Res** 1981;69 Pt B:9–16

Variation of erythrocyte glutathione peroxidase activity in Finn sheep. Atroshi F, et al. **Res Vet Sci** 1981 Nov; 31(3):267–71

Allotypic variants of human C3 and properdin factor B in two French populations Normans and Basques. Davrinche C, et al. **Rev Fr Transfus Immunohematol** 1981 Jun; 24(3):309–17

Agents of mycobacterial variations. Mankiewicz E. **Rev Infect Dis** 1981 Sep-Oct;3(5):926–33

Apolipoprotein AIMilano. [The first molecular variant of human apolipoproteins). Sirtori CR, et al. **Ric Clin Lab** 1982 Jan-Mar;12(1):83–6

Extinction and expression of the ribose-positive phenotype in hybrid Novikoff hepatoma cells. Silnutzer J, et al. **Somatic Cell Genet** 1981 Mar;7(2):119–31

Dominant versus recessive behavior of a cold- and a heat-sensitive mammalian cell cycle variant in heterokaryons. Zimmermann A, et al. **Somatic Cell Genet** 1981 Sep;7(5):591–601

The computer-assisted differentiation of hemoglobin variants. Barwick RC, et al. **Tex Rep Biol Med** 1980–81; 40:143–56

Geographic and ethnic distribution of human hemoglobin variants. Winter WP. **Tex Rep Biol Med** 1980–81;40:179–90

Variation in the hepatotoxic effects of carbon disulphide in the rat: evidence for polygenic inheritance. Lovell DP, et al. **Toxicol Lett** 1982 Jan;10(1):11–6

Antigenic differences between normal human albumin and a genetic variant. Naylor DH, et al. **Transfusion** 1982 Mar-Apr;22(2):128–33

Possible new DR antigens: Cy6.1 and its variants. Aoki M, et al. **Transplant Proc** 1981 Dec;13(4):1989–90

Regulation of expression of MHC gene products: evidence from HLA variants. Pious D, et al. **Transplant Proc** 1981 Dec;13(4):1800–3

Haemoglobin polymorphism and resistance to helminths in Red Sokoto goats. Buvanendran V, et al. **Trop Anim Health Prod** 1981 Nov;13(4):217–21

Genetic studies on the in vitro PHA-transformation of porcine blood lymphocytes. Jensen PT, et al. **Vet Immunol Immunopathol** 1981 Apr;2(2):133–43

[Studies on erythrocyte glucose-6-phosphate dehydrogenase variants in Chinese. I. Gd(-) Lizu-Baisha (author's transl)] Du CS. **Chung Hua I Hsueh Tsa Chih** 1981 Dec; 61(12):729–32 (Eng. Abstr.) (Chi)

[Individual variability of associations between acrocentrics (author's transl)] Mattei MG, et al. **J Genet Hum** 1981 Jun; 29(2):181–9 (Eng. Abstr.) (Fre)

[Electrophoretic alpha 1-antitrypsin variation in the Swiss population] Scheffrahn W, et al. **Anthropol Anz** 1982 Jun; 40(2):137–43 (Eng. Abstr.) (Ger)

[Characterization of genetic EEG-variations with the amplitude-interval-analysis. III. Assignment of new obtained EEGs to well-known types of bioelectric activities on the basis of data of amplitude-interval-analysis (author's transl)] Krüger J, et al. **EEG EMG** 1981 Sep; 12(3):113–9 (Eng. Abstr.) (Ger)

[Genetically determined variability in mental and emotional development (author's transl)] Vogel F. **Klin Wochenschr** 1981 Sep 1;59(17):1009–18 (Eng. Abstr.) (Ger)

[Pubic bone variations (?)] Maurer HJ. **ROFO** 1982 Jan; 136(1):95 (Ger)

[Selection of the productive variants in a culture of Streptomyces olivoreticuli 16749, the producer of olivomycin] L'vova NA, et al. **Antibiotiki** 1981 Dec; 26(12):890–3 (Rus)

[Comparative biochemical study of 2 natural inactive variants of the actinomycin C producer Actinomyces sp. 26–115 with varying sensitivity to actinomycin] Orlova TI, et al. **Antibiotiki** 1982 May;27(5):332–6 (Eng. Abstr.) (Rus)

[Comparison of the lysogenic properties of the R-, S- and M-variants of Mycobacterium lacticolum] Obukhova NA, et al. **Biol Nauki** 1982;(4):81–5 (Rus)

[Frequency of rare electrophoretic protein variants among spontaneous human abortuses] Altukhov IuP, et al. **Dokl Akad Nauk SSSR** 1982;262(4):982–5 (Rus)

[Mosaic variant of the translocation form of syndrome 18q-] Badalian LO, et al. **Genetika (Moskva)** 1981;17(10):1867–71 (Eng. Abstr.) (Rus)

[Table method of component partition of phenotypic dispersion for identifying the X chromosome effect based on correlations between relatives] Trubnikov VI, et al. **Genetika (Moskva)** 1981;17(11):2034–43 (Eng. Abstr.) (Rus)

[Cleavage of the side chain of sitosterol by R, S and M mycobacteria variants] Mil'ko ES, et al. **Mikrobiologiia** 1982 Jan-Feb;51(1):166–8 (Eng. Abstr.) (Rus)

[Structure of cell-wall teichoic acids in Streptomyces roseoflavus var. roseofungini and its Nocardia-like variant] Skoblilova NK, et al. **Mikrobiologiia** 1981 Nov-Dec; 50(6):1037–41 (Eng. Abstr.) (Rus)

[Clinico-hematological characteristics of the carrier state of a new mutant variant of glucose-6-phosphate dehydrogenase Regar] Ermakov NV, et al. **Probl Gematol Pereliv Krovi** 1982 May;27(5):24–7 (Eng. Abstr.) (Rus)

[Pathomorphological characteristics of tuberculosis in relation to the variability of the causative agent] Puzik VI, et al. **Probl Tuberk** 1981 Jul;(7):50–4 (Eng. Abstr.) (Rus)

[Epidemiologic importance of the variability of the causative agent of gonorrhea and its atypical torpid forms] Iatsukha MV. **Vestn Dermatol Venerol** 1981 Jun;(6):34–8 (70 ref.) (Rus)

[2 biological variants of the rabies virus obtained from 1 strain] Gribencha SV, et al. **Vopr Virusol** 1981 May-Jun; (3):315–8 (Eng. Abstr.) (Rus)

[Influenza virus variability and human sensitivity] Shvartsman IaS. **Vopr Virusol** 1981 Nov-Dec;(6):716–20 (27 ref.) (Eng. Abstr.) (Rus)

[Protein variability of influenza A viruses] Sokolov BP, et al. **Vopr Virusol** 1981 Jul-Aug;(4):471–7 (Eng. Abstr.) (Rus)

[Variability of hemagglutinin and nucleoprotein proteins in the 'Spanish' series of influenza viruses] Zhdanov VM, et al. **Vopr Virusol** 1981 Jul-Aug;(4):456–9 (Eng. Abstr.) (Rus)

[Comparative study of the behavior of capsular and noncapsular pneumococcus variants in the L929 cell culture] Gotviankaia TP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Dec;(12):36–9 (Eng. Abstr.) (Rus)

[Interpopulation variability of Staphylococcus aureus] Krasil'nikov AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):26–30 (Eng. Abstr.) (Rus)

[Nonselective mechanism of antibody-induced stable antigenic variability in microorganisms. II. Patterns of antigenic variability in cholera vibrios] Kuznetsov EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):101–6 (16 ref.) (Rus)

RADIATION EFFECTS

[Variability of beta-1,3/1,4-glucanglucanohydrolase-forming Streptomyces narbonensis induced by UV rays and mitomycin C] Elinov NP, et al. **Mikrobiologiia** 1982 Mar-Apr;51(2):318–23 (Eng. Abstr.) (Rus)

[Variability of the number of nucleoli in the progeny of intact UV-irradiated clonogenic HeLa cells and the heritability of this trait] Kucheriavaia NA, et al. **Tsitol Genet** 1981 Sep-Oct;15(5):3–7 (Eng. Abstr.) (Rus)

VARICELLA see **CHICKENPOX**

VARICELLA-ZOSTER VIRUS

ANALYSIS

Structure of varicella-zoster virus DNA. Straus SE, et al. **J Virol** 1981 Nov;40(2):516–25

Extraction of cell-associated varicella-zoster virus DNA with triton X-100-NaCl. Gilden DH, et al. **J Virol Methods** 1982 May;4(4–5):263–75

DRUG EFFECTS

Effect of acyclovir combined with other antiherpetic agents on varicella zoster virus in vitro. Biron KK, et al. **Am J Med** 1982 Jul 20;73(1A):54–7

Selection and preliminary characterization of acyclovir-resistant mutants of varicella zoster virus. Biron KK, et al. **Am J Med** 1982 Jul 20;73(1A):383–6

Sensitivity of herpes virus isolates from acyclovir clinical trials. Collins P, et al. **Am J Med** 1982 Jul 20;73(1A):380–2

In vitro susceptibility of varicella-zoster virus to E-5-(2-bromovinyl)-2'-deoxyuridine and related compounds. De Clercq E, et al. **Antimicrob Agents Chemother** 1982 Jan;21(1):33–8

Inhibitory effects of antiherpesviral thymidine analogs against varicella-zoster virus. Machida H, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):358–61

[An inhibitor of the replication of varicella-zoster virus] Albrecht T, et al. **G Ital Chemioter** 1980 Jul-Dec; 27(2):103–6 (Eng. Abstr.) (Ita)

[Laboratory diagnosis for varicella-zoster virus infection--detection of viral antigens in vesicular fluid and susceptibility test for antiherpes drugs (author's transl)] Shigeta S, et al. **Rinsho Byori** 1982 Jan;30(1):25–32 (Jpn)

ENZYMOLOGY

Human serum antibodies to varicella-zoster virus thymidine kinase. Källander CF, et al. **Infect Immun** 1982 Apr; 36(1):30–7

Differential phosphorylation of (E)-5-(2-bromovinyl)-2'-deoxyuridine monophosphate by thymidylate kinases from herpes simplex viruses types 1 and 2 and varicella zoster virus. Fyfe JA. **Mol Pharmacol** 1982 Mar;21(2):432–7

GENETICS

The internal organization of the varicella-zoster virus genome. Gilden DH, et al. **J Gen Virol** 1982 Jun;60(Pt 2):371–4

Restriction endonuclease analysis of the DNA from varicella-zoster virus: stability of the DNA after passage in vitro. Zweerink HJ, et al. **J Gen Virol** 1981 Jul;55(Pt 1):207–11

XbaI, PstI, and BglII restriction enzyme maps of the two orientations of the varicella-zoster virus genome. Dumas AM, et al. **J Virol** 1981 Aug;39(2):390–400

Varicella-zoster virus vaccine DNA differs from the parental virus DNA. Ecker JR, et al. **J Virol** 1981 Oct;40(1):314–8

Varicella zoster virus DNA exists as two isomers. Ecker JR, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):156–60

Molecular cloning and physical mapping of varicella-zoster virus DNA. Straus SE, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):993–7

Immunoprecipitable polypeptides specified by

varicella-zoster virus. Grose C, et al. **Virology** 1982 Apr 15;118(1):86-95

GROWTH & DEVELOPMENT

Inactivation of varicella zoster virus in vitro: effect of leukocytes and specific antibody. Gershon AA, et al. **Infect Immun** 1981 Aug;33(2):507-11

Persistent Varicella-Zoster virus infection in a human rhabdomyosarcoma cell line and recovery of a plaque variant. Iltis JP, et al. **Infect Immun** 1982 Jul;37(1):350-8

The plaque-forming factor for mink lung cells present in cytomegalovirus and herpes-zoster virus stocks identified as Mycoplasma hyorhinis. Darai G, et al. **J Gen Virol** 1981 Jul;55(Pt 1):201-5

IMMUNOLOGY

Immune responses to varicella-zoster in the aged. Burke BL, et al. **Arch Intern Med** 1982 Feb;142(2):291-3

A single serum dilution method for the quantitation of neutralizing antibodies to varicella-zoster virus. Takayama M, et al. **Biken J** 1981 Sep;24(3):109-18

Specific in vitro antibody response to varicella zoster. Souhami RL, et al. **Clin Exp Immunol** 1981 Oct; 46(1):98-105

Severe bronchiolitis probably caused by varicella-zoster virus. Nikki P, et al. **Crit Care Med** 1982 May;10(5):344-6

Differentiation of members of the human herpesviridae family by radioimmunoassay. Smith KO, et al. **Infect Immun** 1981 Aug;33(2):491-7

Comparison of anticomplement immunofluorescence and fluorescent antibody-to-membrane antigen tests for determination of immunity status to varicella-zosier virus and for serodifferentiation of varicella-zoster and herpes simplex virus infections. Gallo D, et al. **J Clin Microbiol** 1981 Nov;14(5):539-43

Varicella-zoster-associated encephalitis: detection of specific antibody in cerebrospinal fluid. Gershon A, et al. **J Clin Microbiol** 1980 Dec;12(6):764-7

Immunization of inbred guinea pigs with varicella-zoster virus grown in a syngeneic transformed embryo cell line. Grose C. **J Clin Microbiol** 1981 Aug;14(2):229-31

Direct immunofluorescence staining for detection of herpes simplex and varicella-zoster virus antigens in vesicular lesions and certain tissue specimens. Schmidt NJ, et al. **J Clin Microbiol** 1980 Nov;12(5):651-5

Enzyme-linked immunosorbent assay for detection of antibody to varicella-zoster virus. Shanley J, et al. **J Clin Microbiol** 1982 Feb;15(2):208-11

Determination of specific IGA antibodies to varicella zoster virus by immunoperoxidase assay. Haikin H, et al. **J Clin Pathol** 1982 Jun;35(6):645-9

Study of persistence of maternal antibodies to varicella-zoster virus by indirect haemagglutination, with result control by radioimmunoassay. Trlifajová J, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):65-73

Antibody response to varicella-zoster virus after natural or vaccine-induced infection. Bogger-Goren S, et al. **J Infect Dis** 1982 Aug;146(2):260-5

Further evidence for common antigens in herpes simplex and varicella-zoster viruses. Schmidt NJ. **J Med Virol** 1982; 9(1):27-36

Detection of antibody to varicella-zoster virus by competitive and IgM-antibody capture immunoassay. Tedder RS, et al. **J Med Virol** 1981;8(2):89-101

Multiple sclerosis. Electrofocused 'bands' of oligoclonal CSF IgG do not carry antibody activity against measles, varicella-zoster or rotaviruses. Vartdal F, et al. **J Neurol Sci** 1982 Apr;54(1):99-107

Live attenuated varicella vaccine: immunization of healthy children with the OKA strain. Arbeter AM, et al. **J Pediatr** 1982 Jun;100(6):886-93

The development and evaluation of a solid-phase radioimmunoassay (RIA) procedure for the determination of susceptibility to varicella. Campbell-Benzie A, et al. **J Virol Methods** 1981 Feb;2(3):149-58

Leukemia patients to be given varicella vaccine [news] Gunby P. **JAMA** 1982 May 7;247(17):2340-1

Fluorescent antibody to membrane antigen (FAMA) procedure for determining susceptibility to varicella: an evaluation. Ward F, et al. **Med Lab Sci** 1982 Jan;39(1):33-8

Application of a live varicella vaccine in children with acute leukemia or nephrotic syndrome. Lin TY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):683-90

Preparation of varicella-herpes zoster immunoglobulin. Janot C, et al. **Transfusion** 1981 Nov-Dec;21(6):732-4

Detection of anti-varicella-zoster virus antibodies in blood donors by automated passive haemagglutination. Chung A, et al. **Vox Sang** 1981;41(4):245-8

[Experience with varicella zoster immunoglobulin in Hungary] Nyerges G, et al. **Orv Hetil** 1982 May 30; 123(22):1347-50 **(Hun)**

[The elimination of nonspecific reaction in ELISA --for the application of routine serological test on varicella zoster, measles and rubella virus (author's transl)] Mizutani C, et al. **Kansenshogaku Zasshi** 1981 Mar;55(3):143-8 (Eng. Abstr.) **(Jpn)**

PATHOGENICITY

Varicella-zoster virus infection of diploid and chemically transformed guinea-pig embryo cells: factors influencing virus replication. Edmond BJ, et al. **J Gen Virol** 1981 Jun; 54(Pt 2):403-7

Simian varicella virus (delta herpesvirus) infection of patas monkeys leading to pneumonia and encephalitis. Iltis JP, et al. **Proc Soc Exp Biol Med** 1982 Feb;169(2):266-79

PHYSIOLOGY

Cryopreservation of varicella-zoster virions without loss of structural integrity or infectivity. Grose C, et al. **Intervirology** 1981;15(3):154-60

Biochemical transformation of mouse cells by varicella-zoster virus. Yamanishi K, et al. **J Gen Virol** 1981 Oct;56(Pt 2):421-30

VARICOCELE

BLOOD

The gonadotropin response of men with varicoceles to a four-hour infusion of gonadotropin-releasing hormone. Hudson RW, et al. **Fertil Steril** 1981 Nov;36(5):633-7

Internal spermatic vein prostaglandins in varicocele patients. Ito H, et al. **Fertil Steril** 1982 Feb;37(2):218-22

COMPLICATIONS

Varicocele in childhood and adolescence: implication in adulthood infertility? Lyon RP, et al. **Urology** 1982 Jun; 19(6):641-4

[Hypophyseal and testicular function in infertility associated with varicocele] Olivier GC, et al. **Union Med Can** 1981 Jul;110(7):641-52 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Comparison between thermograph and venous scintigraphy of the scrotum in the diagnosis of varicocele. Comhaire F, et al. **Int J Androl** 1981 Dec;4(6):663-8

[Subclinical varicocele: detection using Doppler and thermography] Pellet B, et al. **Helv Chir Acta** 1981 Aug; 48(3-4):355-8 (Eng. Abstr.) **(Fre)**

[Use of the Doppler flowmeter in the diagnosis of varicocele] Stio F, et al. **Minerva Urol** 1982 Jan-Mar;34(1):35-7 (Eng. Abstr.) **(Ita)**

[Scrotum transillumination: method and results (author's transl)] Di Maggio C, et al. **Radiol Med (Torino)** 1981 Oct; 67(10):733-7 (Eng. Abstr.) **(Ita)**

[Varicocele: the diagnostic procedure and synchronous kidney lesions] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1981;(5):3-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Testicular varicoceles and tobacco consumption. Ducot B, et al. **Fertil Steril** 1981 Nov;36(5):686-7

[Secondary left varicocele] Naome D, et al. **Acta Urol Belg** 1982 Jan;50(1):137-46 (Eng. Abstr.) **(Fre)**

[Retro-aortic renal veins - a possible cause of left-sided varicocoeles (author's transl)] Riedl P. **ROFO** 1980 Nov; 133(5):477-9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Histocompatibility antigens in varicocele. Sengar DP, et al. **Tissue Antigens** 1982 Mar;19(3):230-2

METABOLISM

The lipid composition of human testis in patients with bilateral varicocele as cause of infertility. Sheriff DS. **Andrologia** 1982 Mar-Apr;14(2):150-3

The hormonal pattern in varicocele and its relationship with the findings of testicular biopsy: preliminary results. Pujol A, et al. **Br J Urol** 1982 Jun;54(3):300-4

PATHOLOGY

Ultrastructure of testicular damage caused by varicocele. Vydra G. **Acta Chir Acad Sci Hung** 1980;21(1):77-85

Small vessel alterations in the testes of infertile men with varicocele. Andres TL, et al. **Am J Clin Pathol** 1981 Oct; 76(4):378-84

Varicocele and the morphology of spermatozoa [letter] Zorgniotti A. **Fertil Steril** 1982 Feb;37(2):285-6

Morphological findings in varicocele: an ultrastructural study of 30 bilateral testicular biopsies. Terquem A, et al. **Int J Androl** 1981 Oct;4(5):515-31

PHYSIOPATHOLOGY

Endocrine evaluation in infertile men with varicocele. Freire FR, et al. **Andrologia** 1981 Sep-Oct;13(5):395-404

In vitro fertilization rates after varicocele repair. Mygatt GG, et al. **J Urol** 1982 Jun;127(6):1103-4

RADIOGRAPHY

Phlebography of the internal spermatic vein (and the ovarian vein). Tjia TT, et al. **Diagn Imaging** 1982 Jan-Feb; 51(1):8-18

Retrograde phlebography of the internal spermatic vein in varicocele. Vajda J, et al. **Int Urol Nephrol** 1981; 13(2):175-84

[The compression syndrome of the left renal vein (author's transl)] Justich E. **ROFO** 1982 Apr;136(4):404-12 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Sensitivity of scrotal scintigraphy in the diagnosis of varicocele. van der Vis-Melsen MJ, et al. **Clin Nucl Med** 1982 Jun;7(6):287-91

Clinical experience with the radioisotope varicocele scan as a screening method for the detection of subclinical varicoceles. Wheatley JK, et al. **J Urol** 1982 Jul;128(1):57-9

SURGERY

Varicocelectomy. Pontonnier F, et al. **Arch Androl** 1982 May; 8(3):227-30

Varicocele: percutaneous sclerotherapy of gonadal veins compared to surgical treatment. Falappa P, et al. **Eur J Radiol** 1982 May;2(2):119-21

Renal and gonadal venography in male infertility. Delaere KP, et al. **Eur Urol** 1981;7(6):340-2

Treatment of varicoceles [letter] Price RA. **JAMA** 1982 Feb 19;247(7):979

Surgical treatment of varicocele. Ross LS, et al. **Urology** 1982 Feb;19(2):179-80

[Results of the modified Palomo operation in children] Kryl P, et al. **Rozhl Chir** 1981 Oct;60(10):693-5 (Eng. Abstr.) **(Cze)**

[Surgical management of varicocele with vein-to-vein anastomosis] Papadimitriou J, et al. **Phlebologie** 1981 Apr-Jun;34(2):299-303 (Eng. Abstr.) **(Fre)**

[Results after varicocelectomy Palomo's operation (author's transl)] Maar K, et al. **Urologe [Ausg A]** 1981 Nov; 20(6):365-9 (Eng. Abstr.) **(Ger)**

[Methods of diagnosis and treatment of idiopathic varicocele in Germany, Austria and Switzerland (author's transl)] Schramek P, et al. **Urologe [Ausg A]** 1981 Nov;20(6):360-3 (Eng. Abstr.) **(Ger)**

[The importance of varicocele in children (author's transl)] Jenny P, et al. **Z Kinderchir** 1982 Mar;35(3):90-2 (Eng. Abstr.) **(Ger)**

[Experience with surgery for varicocele in childhood (author's transl)] Kraeft H, et al. **Z Kinderchir** 1981 Nov; 34(3):272-4 (Eng. Abstr.) **(Ger)**

[Microsurgery in the treatment of varicocele. Anastomosis of the venous plexus and the internal saphenous vein] Fox U, et al. **Minerva Chir** 1982 Apr 15;37(7):631-4 (Eng. Abstr.) **(Ita)**

THERAPY

Treatment of idiopathic varicoceles by transfemoral testicular vein occlusion. Weissbach L, et al. **J Urol** 1981 Sep; 126(3):354-6

Balloon occlusion of the internal spermatic vein for the treatment of varicoceles. Walsh PC, et al. **JAMA** 1981 Oct 9;246(15):1701-2

Transvenous embolization of the internal spermatic veins for the treatment of varicocele scroti. Gonzalez R, et al. **Urol Clin North Am** 1982 Feb;9(1):177-84

[Non-surgical cure of varicocele by embolization with isobutyl-2-cyano-acrylate (author's transl)] Kunnen M. **Ann Radiol (Paris)** 1981 Jun-Jul;24(5):406-9 (Eng. Abstr.) **(Fre)**

VETERINARY

Abnormal spermatozoa, testicular degeneration, and varicocele in a ram. Ott RS, et al. **Am J Vet Res** 1982 Feb;43(2):241-5

VARICOSE ULCER

COMPLICATIONS

Leiomyosarcoma arising in a chronic venous stasis ulcer. Nunnery EW Jr, et al. **Hum Pathol** 1981 Oct;12(10):951-3

DIAGNOSIS

The role of primary varicose veins in venous ulceration. Hoare MC, et al. **Surgery** 1982 Sep;92(3):450-3

DRUG THERAPY

Metronidazole in the treatment of chronic pressure sores and ulcers. A comparison with standard treatment in general practice. Baker PG, et al. **Practitioner** 1981 Apr; 225(1354):569-73

[Use of local antibiotic therapy in the treatment of varicose ulcers] Ferrara F. **Minerva Cardioangiol** 1982 Jan-Feb; 30(1-2):41-5 (Eng. Abstr.) **(Ita)**

[Conservative treatment of trophic ulcers of the legs] Bondarenko VA, et al. **Klin Khir** 1981 Jul;(7):59-60 **(Rus)**

ENZYMOLOGY

[Comparative characteristics of isoenzyme spectrum of lactate dehydrogenase of the skin in healthy controls and in patients with post-thrombotic and varicose diseases of legs] Zhukov BN, et al. **Vestn Khir** 1981 Dec;127(12):64-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The cause of venous ulceration [letter] **Lancet** 1982 Aug 21; 2(8295):437-8

The cause of venous ulceration. Browse NL, et al. **Lancet** 1982 Jul 31;2(8292):243-5

[Role of immunopathological processes in the pathogenesis of the postthrombophlebitis syndrome of the legs] Pisklivets ZS. **Klin Khir** 1981 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

[Pathogenesis of trophic disorders and the combined treatment of the postthrombophlebitis syndrome of the legs in the tissue induration and ulceration stage] Shalimov AA, et al. **Klin Khir** 1981 Jul;(7):1–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Dynamics and external sensibilization relationships in contact eczema, varicose complex and dermatomycosis (author's transl)] Hegyi E, et al. **Cesk Dermatol** 1981 Aug; 56(4):215–26 (Eng. Abstr.) **(Slo)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Grimalt F, et al. **Med Cutan Iber Lat Am** 1981;9(6):415–8 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Romaguera G, et al. **Med Cutan Iber Lat Am** 1981; 9(6):419–22 (Eng. Abstr.) **(Spa)**

[Frequency of sensitization to various allergens in patients having thrombophlebitis and/or varicose ulcers] Vilaplana J, et al. **Med Cutan Iber Lat Am** 1981;9(6):409–14 (Eng. Abstr.) **(Spa)**

PATHOLOGY

The systemic anatomy of the perforating veins in the leg, especially Cockett's veins. van Limborgh J, et al. **Phlebologie** 1982 Jan–Mar;35(1):19–28 **(Eng, Fre)**

[10 cases of necrotic ulcers] Nébot F. **Phlebologie** 1982 Apr–Jun;35(2):547–50 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

[Phlebographic findings in venous ulcus cruris] Müller JH. **Z Gesamte Inn Med** 1982 Jan 15;37(2):53–6 (Eng. Abstr.) **(Ger)**

SURGERY

Still pinch grafting? [letter] Matthews RN. **Lancet** 1982 Sep 4;2(8297):556

Porcine dermis in varicose ulcers––a clinical trial. Rundle JS, et al. **Vasa** 1981;10(3):246–8

[Vacuum treatment method in postphlebitic and varicose trophic ulcers of the lower extremities] Nikolov A. **Khirurgiia (Sofiia)** 1981;34(4):368–71 (Eng. Abstr.) **(Bul)**

[Perforating veins] Elbaz C. **Phlebologie** 1982 Apr–Jun; 35(2):551–9 (Eng. Abstr.) **(Fre)**

[The role of perforated veins of the inside thigh in varicose recurrence] Rettori R. **Phlebologie** 1982 Apr–Jun; 35(2):475–83 (Eng. Abstr.) **(Fre)**

[Vascular surgery for gangrene of the lower extremities] Bergentz SE. **Ugeskr Laeger** 1981 Aug 3;143(32):2055–6 **(Swe)**

THERAPY

Venous ulcers. Fratesi SJ, et al. **Can Med Assoc J** 1982 Mar 15;126(6):631–5

Diagnosis and treatment of venous ulceration [letter] **Lancet** 1982 Aug 21;2(8295):437

Diagnosis and treatment of venous ulceration [editorial] **Lancet** 1982 Jul 31;2(8292):247–8

The possible use of amniotic membrane in chronic leg ulcers. Somerville PG. **Phlebologie** 1982 Jan–Mar;35(1):223–9 **(Eng, Fre)**

Compression for stasis ulcers. Hovde J. **Phys Ther** 1982 Jun; 62(6):874

[Results of treatment of varicose ulcers with an aqueous extract of peat] Ponikowska I, et al. **Pol Tyg Lek** 1981 Jun 1;36(22):807–10 (Eng. Abstr.) **(Pol)**

[Treatment of trophic ulcers] Lukich VL, et al. **Sov Med** 1982;(2):106–10 **(Rus)**

VARICOSE VEINS

see related
SCLEROSING SOLUTIONS

COMPLICATIONS

Intraabdominal variceal bleeding. Fawaz KA, et al. **Am J Gastroenterol** 1982 Aug;77(8):578–9

Intra-abdominal hemorrhage from ruptured varices. Fox L, et al. **Arch Surg** 1982 Jul;117(7):953–6

Systematized osteolytic hemangiomatosis. Aelvoet G, et al. **Dermatologica** 1982 Mar;164(3):217–20

Varices of the entire colon–an unusual cause of recurrent intestinal bleeding. Weingart J, et al. **Endoscopy** 1982 Mar; 14(2):69–70

Duodenal varices: endoscopic diagnosis of an unusual source of upper gastrointestinal hemorrhage. Rappazzo JA, et al. **Gastrointest Endosc** 1981 Nov;27(4):227–8

Varicose veins: a risk factor for atherosclerotic disease in middle–aged men? Ducimetiere P, et al. **Int J Epidemiol** 1981 Dec;10(4):329–35

Spontaneous subgaleal hematoma associated with a periosteal varix. Case report. Davidson RI, et al. **J Neurosurg** 1982 Jun;56(6):861–4

Massive haemorrhage from vaginal varicose veins in patient with liver cirrhosis [letter] Eriksson LS, et al. **Lancet** 1982 May 22;1(8282):1180

The aetiology and treatment of varicose pigmentation. Cuttell PJ, et al. **Phlebologie** 1982 Jan–Mar;35(1):381–9 **(Eng, Fre)**

Colonic varices: an unusual source of lower gastrointestinal hemorrhage. Cello JP, et al. **West J Med** 1982 Mar; 136(3):252–5

[Orbital varices manifested by prolonged diplopia] Salmon D, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):653–5 (Eng. Abstr.) **(Fre)**

[Incidence of hemorrhoids in sclerosis of varices] Barkatz G, et al. **Phlebologie** 1981 Apr–Jun;34(2):283–7 **(Fre)**

[Isolated varicosis of the small intestine (without portal hypertension) causing massive upper gastrointestinal bleeding (author's transl)] Reis HE, et al. **Leber Magen Darm** 1982 Feb;12(1):23–31 (Eng. Abstr.) **(Ger)**

[Surgical treatment of superficial thrombophlebitis] Ciferri N, et al. **Chir Ital** 1982 Apr;34(2):243–50 (Eng. Abstr.) **(Ita)**

[Our experiences in the surgical treatment of post–phlebitis syndrome of the lower extremities] Marconato R, et al. **Minerva Chir** 1981 Oct 31;36(20):1333–6 (Eng. Abstr.) **(Ita)**

[The postphlebitic syndrome of the lower extremities] Ghiringhelli C, et al. **Minerva Med** 1982 Mar 17; 73(11):557–76 **(Ita)**

[Complications of the surgical treatment of varicosities of the lower extremities] Jaworski R, et al. **Wiad Lek** 1981 Oct–Dec;34(20–24):1709–13 (Eng. Abstr.) **(Pol)**

[Pregnancy, labor and puerperal period in women with venous diseases] Krotov IuA, et al. **Akush Ginekol (Mosk)** 1982 May;(5):29–31 **(Rus)**

[Pathogenesis of trophic disorders and the combined treatment of the postthrombophlebitis syndrome of the legs in the tissue induration and ulceration stage] Shalimov AA, et al. **Klin Khir** 1981 Jul;(7):1–6 (Eng. Abstr.) **(Rus)**

[Pulmonary thromboembolism in diseases of the veins of the lumbosacral region of the spine] Nakhapetov BA, et al. **Sov Med** 1982;(4):110–2 **(Rus)**

[Errors and hazards in the surgical treatment of varicose veins of the legs] Bachev II. **Vestn Khir** 1982 Mar;128(3):141–3 **(Rus)**

[Unusual cause of hematuria: 'periureteral varices'] Figueiredo Godoy L, et al. **Actas Urol Esp** 1981 Nov–Dec; 5(6):385–8 (Eng. Abstr.) **(Spa)**

CONGENITAL

Congenital pulmonary varix. Wood AE. **J Cardiovasc Surg (Torino)** 1982 May–Jun;23(3):266–8

DIAGNOSIS

Arteriovenous communications in varicose veins localized by thermography and identified by operative microscopy. Schalin L. **Acta Chir Scand** 1981;147(6):409–20

Potential pitfall in CT and sonographic evaluation of suspected lymphoma. Creed L, et al. **AJR** 1982 Sep; 139(3):606–7

Left renal vein varix simulating a pancreatic pseudocyst by sonography. Spira R, et al. **AJR** 1982 Jan;138(1):149–50

Mobile intracardiac varix: a new echocardiographic entity. Thorsen MK, et al. **AJR** 1982 Mar;138(3):574–6

Varix of the vortex ampulla. Osher RH, et al. **Am J Ophthalmol** 1981 Nov;92(5):653–60

Pelvic varices simulating cystic ovaries: differentiation by pulse doppler. Berger RB, et al. **JCU** 1982 Apr;10(4):186–9

Large leg of superficial venous stasis, excluding disorders of the deep venous circulation. Griton P. **Phlebologie** 1982 Jan–Mar;35(1):231–46 **(Eng, Fre)**

Varicose eczema. Reinharez D. **Phlebologie** 1982 Jan–Mar; 35(1):259–72 **(Eng, Fre)**

Current status of noninvasive tests in the diagnosis of venous disease. Barnes RW. **Surg Clin North Am** 1982 Jun; 62(3):489–500

The role of primary varicose veins in venous ulceration. Hoare MC, et al. **Surgery** 1982 Sep;92(3):450–3

[Thermography in preventive screening for the venous system of the lower extremities (author's transl)] Holý J, et al. **Cas Lek Cesk** 1981 Oct 1;120(39):1182–7 (Eng. Abstr.) **(Cze)**

[Thermographic examination of the varicose complex of lower extremities (author's transl)] Holý J, et al. **Cesk Radiol** 1981 Sep;35(5):299–303 (Eng. Abstr.) **(Cze)**

[Varicose eczema] Desmons F. **Phlebologie** 1982 Apr–Jun; 35(2):639–44 (Eng. Abstr.) **(Fre)**

[Importance of Doppler ultrasonics in the recurrence of surgically treated varices] Devambez J, et al. **Phlebologie** 1982 Apr–Jun;35(2):497–505 **(Fre)**

[Duodenal varices (author's transl)] Rösch W. **Praxis** 1981 Nov 10;70(46):2098–100 (Eng. Abstr.) **(Ger)**

[Perimetric varicose veins] Riazantsev EL, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):43–5 (Eng. Abstr.) **(Rus)**

[Complex plethysmometry in venous pathology of the lower extremities] Bragin BI, et al. **Vestn Khir** 1982 Feb; 128(2):63–6 **(Rus)**

[Doppler examination complementing the clinical examination in locating incompetent perforating veins of the leg] Armenio S, et al. **Angiologia** 1982 Jul–Aug; 34(4):194–206 **(Spa)**

DRUG THERAPY

Glyvenol therapy in varicose veins an evaluation of its effectiveness. Kakande I. **East Afr Med J** 1981 Jul; 58(7):532–8

Compression sclerotherapy for the treatment of primary uncomplicated varicose veins. Tongprasroeth S, et al. **J Med Assoc Thai** 1981 Sep;64(9):440–4

The sclerotherapy of telangiectasia. Ouvry PA, et al. **Phlebologie** 1982 Jan–Mar;35(1):349–59 **(Eng, Fre)**

The conditions necessary to achieve an effective sclerosant treatment. Wallois P. **Phlebologie** 1982 Jan–Mar; 35(1):337–48 **(Eng, Fre)**

[Round Table on the sclerotherapy of varices. Timisoara, 24 April 1979] **Phlebologie** 1981 Jul–Sep;34(3):409–30 **(Fre)**

[Flow velocity of blood in varicose veins of the lower extremities. The effect of a venous therapeutic agent (venostasin) (author's transl)] Klemm J. **MMW** 1982 Jun 11;124(23):579–82 (Eng. Abstr.) **(Ger)**

[Frequency of sclerotherapy and surgery in the treatment of primary varicosis] Helmig L, et al. **Vasa** 1982;11(1):46–50 (Eng. Abstr.) **(Ger)**

[Centella asiatica extract in venous disorders of the lower limbs. Comparative clinico–instrumental studies with a placebo] Allegra C, et al. **Clin Ter** 1981 Dec 15;99(5):507–13 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

[Comparative characteristics of the malate dehydrogenase isoenzymatic spectrum in the skin of healthy persons and patients with postthrombotic and varicose disease of the veins of the legs] Zhukov BN, et al. **Klin Khir** 1981 Jul; (7):60–1 **(Rus)**

ETIOLOGY

Sapheno–femoral valve insufficiency in varicose veins of the lower limb. Zelikovski A, et al. **Angiology** 1981 Dec; 32(12):807–11

Gastric variceal bleeding due to occlusion of splenic vein in pancreatic disease. Keith RG, et al. **Can J Surg** 1982 May;25(3):301–4

Perinatal rupture of genital varicosities. Georgakopoulos PA. **Int Surg** 1979 Aug–Oct;64(5):73–5

[The importance of nutrition among the risk factors in varicose veins] Melet JJ. **Phlebologie** 1981 Jul–Sep; 34(3):469–88 (154 ref.) (Eng. Abstr.) **(Fre)**

[Western diet: risk factors for varices and explanation of their different frequencies among French people and immigrants] Melet JJ. **Phlebologie** 1981 Apr–Jun;34(2):235–43 (Eng. Abstr.) **(Fre)**

[Post–phlebitis syndromes. Indications and limitations of surgical treatment] Mangiola A, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1951–5 **(Ita)**

IMMUNOLOGY

[Role of immunopathological processes in the pathogenesis of the postthrombophlebitis syndrome of the legs] Pisklivets ZS. **Klin Khir** 1981 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

METABOLISM

[Biochemistry of varicose veins] Prerovsky I. **Phlebologie** 1981 Oct–Dec;34(4):489–97 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Varicose veins in Africans as seen at Kenyatta National Hospital, Nairobi. Kakande I. **East Afr Med J** 1981 Sep; 58(9):667–76

The epidemiology of varicose veins. A survey in western Jerusalem. Abramson JH, et al. **J Epidemiol Community Health** 1981 Sep;35(3):213–7

[Varices of the legs] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1981 Aug 22;125(34):1383–6 (Eng. Abstr.) **(Dut)**

[Epidemiology of venous diseases – results of an epidemiologic study] Winkler M, et al. **Z Gesamte Inn Med** 1981 Jul 1;36(13):459–62 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Structure of the myenteric plexus in the sphincters of cat gastro–intestinal tract. VI. Axonal profiles, axonal varicosities, synapses and other membrane differentiations. Lolova I, et al. **Acta Physiol Pharmacol Bulg** 1980; 6(4):62–71

The surgical anatomy of varicose veins. Thomson H. **Phlebologie** 1982 Jan–Mar;35(1):11–8 **(Eng, Fre)**

The systemic anatomy of the perforating veins in the leg, especially Cockett's veins. van Limborgh J, et al. **Phlebologie** 1982 Jan–Mar;35(1):19–28 **(Eng, Fre)**

[Varicose veins, chronic venous insufficiency, postthrombotic syndrome (author's transl)] Roser–Maass E, et al. **Z Hautkr** 1982 Feb 1;57(3):141–52 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Venous dynamics––varicosities. Sumner DS. **Clin Obstet Gynecol** 1981 Sep;24(3):743–60 (20 ref.)

A physiological study of elastic compression stockings in venous disorders of the leg. Kakkar VV. **Phlebologie** 1982 Jan–Mar;35(1):101–6 **(Eng, Fre)**

[Method of studying the venous system in patients with venous diseases of the lower limbs] Dukhieva LI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):85–7 (Eng. Abstr.) **(Rus)**

[Evacuation function of a musculovenous 'pump' of the leg in varicose veins of the lower extremities] Konstantinova GD, et al. **Vestn Khir** 1981 Jul;127(7):58–62 (Eng. Abstr.) **(Rus)**

[Role of the musculovenous 'pump' in draining the subcutaneous veins in varicose disease of the lower extremities] Kostenko IG, et al. **Vestn Khir** 1981 Oct; 127(10):83–9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Clinical comparison of elastic supports for venous diseases of the lower limb and thrombosis prevention. Schraibman IG, et al. **Phlebologie** 1982 Jan–Mar;35(1):61–71 **(Eng, Fre)**

[Prevention and public health of venous disease] Peanne B. **Phlebologie** 1982 Apr–Jun;35(2):615–25 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Maneuver to aid diagnosis of orbital varix by computed tomography. Winter J, et al. **AJNR** 1982 Jan–Feb; 3(1):39–40

The management of recurrent varicose veins. Doran FS, et al. **Ann R Coll Surg Engl** 1981 Nov;63(6):432–6

Diagnosis of colonic varices by air–contrast barium enema examination: report of a case. Deutsch AL, et al. **Gastrointest Radiol** 1981;6(4):336–8

Radiographic demonstration of common bile duct varices. Williams SM, et al. **Gastrointest Radiol** 1982;7(1):69–70

Pulmonary varix: CT findings. Borkowski GP, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):827–9

Idiopathic renal vein varices: incidence and significance. Beckmann CF, et al. **Radiology** 1982 Jun;143(3):649–52

Supine and erect phlebography in varicose legs. Suzuki S, et al. **ROFO** 1982 Apr;136(4):397–403

[Value of varicography in the preoperative assessment of lower limb varicosities (author's transl)] de Fays F, et al. **Acta Chir Belg** 1982 Jan–Feb;82(1):51–8 (Eng. Abstr.) **(Fre)**

[Diagnosis of recurrent postoperative varicose disease by ascending phlebography with the Valsalva maneuver] Hach W. **Phlebologie** 1982 Apr–Jun;35(2):493–6 **(Fre)**

[The compression syndrome of the left renal vein (author's transl)] Justich E. **ROFO** 1982 Apr;136(4):404–12 (Eng. Abstr.) **(Ger)**

[Varicosis of small intestine and mesentery: rare portocaval shunt (author's transl)] Schneider GH. **Rontgenblatter** 1982 May;35(5):195–7 (Eng. Abstr.) **(Ger)**

[Diagnostic procedure for the varicosis of the lateral branches of the saphenous vein (author's transl)] Kasikova K, et al. **Z Hautkr** 1982 May 1;57(9):645–8 (Eng. Abstr.) **(Ger)**

[X-ray findings of pulmonary varix (author's transl)] Higashihara T, et al. **Rinsho Hoshasen** 1981 Apr;26(4):513–6 (Eng. Abstr.) **(Jpn)**

[Analysis of orbital varix – mainly of neuroradiological analysis (author's transl)] Takeda R, et al. **Rinsho Hoshasen** 1982 Feb;27(2):233–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[The use of labelled albumin microspheres in the study of arteriovenous shunting in varicosities of the lower limbs (author's transl)] Serise JM, et al. **J Mal Vasc** 1982;7(1):37–9 (Eng. Abstr.) **(Fre)**

[Orthostatic blood distribution in varicose disease of the lower extremities] Frolov VK, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):36–9 (Eng. Abstr.) **(Rus)**

SURGERY

The distal splenorenal shunt in the management of bleeding varices. Henderson JM. **J R Coll Surg Edinb** 1982 May; 27(3):130–41

Stripping varicose veins. Indications and techniques. Nabatoff RA. **NY State J Med** 1982 Feb;82(2):183–4

The place of surgery in the treatment of primary varices of the short saphenous vein. Davy A, et al. **Phlebologie** 1982 Jan–Mar;35(1):317–26 **(Eng, Fre)**

Reinterventions for primary varices. Frileux C, et al. **Phlebologie** 1982 Jan–Mar;35(1):363–80 **(Eng, Fre)**

From Fegan forwards. Hadfield GJ. **Phlebologie** 1982 Jan–Mar;35(1):291–7 **(Eng, Fre)**

Stripping associated with sclerotherapy. Hardillier J. **Phlebologie** 1982 Jan–Mar;35(1):309–15 **(Eng, Fre)**

Accidents in the surgical treatment of varicose veins. Rettori R. **Phlebologie** 1982 Jan–Mar;35(1):391–402 **(Eng, Fre)**

Some complications from surgery in varicose veins. Staunton MD. **Phlebologie** 1982 Jan–Mar;35(1):329–35 **(Eng, Fre)**

The treatment of primary varices in 1981. Van der Stricht J. **Phlebologie** 1982 Jan–Mar;35(1):403–12 **(Eng, Fre)**

What are the results of high ligation followed by sclerotherapy? Winstone N. **Phlebologie** 1982 Jan–Mar; 35(1):299–307 **(Eng, Fre)**

Electrothrombosis as a treatment of cirsoid angioma in the face and scalp and varicosis of the leg. Ogawa Y, et al. **Plast Reconstr Surg** 1982 Sep;70(3):310–8

[Stripping of the essential varicose veins] Hutinel B, et al. **J Mal Vasc** 1981;6(2):139–50 **(Fre)**

[A new model of varicose vein stripper (author's transl)] Pelissier E, et al. **Nouv Presse Med** 1982 May 22;11(24):1873 (Eng. Abstr.) **(Fre)**

[The place of vascular functional examination in the evaluation of the recurrence of varices after stripping] Becker F, et al. **Phlebologie** 1982 Apr–Jun;35(2):507–11 **(Fre)**

[Essential recurrence based on unrecognized angiodysplasias] Brunner UV. **Phlebologie** 1982 Apr–Jun;35(2):485–8 **(Fre)**

[Recurrent varicose veins] Coget JM, et al. **Phlebologie** 1982 Apr–Jun;35(2):529–32 **(Fre)**

[Perforating veins] Elbaz C. **Phlebologie** 1982 Apr–Jun; 35(2):551–9 (Eng. Abstr.) **(Fre)**

[Varicose recurrence: opinion of a team] Frileux C, et al. **Phlebologie** 1982 Apr–Jun;35(2):471–3 (Eng. Abstr.) **(Fre)**

[Surgical treatment of postoperative recurrences of varicose veins] Gedeon A, et al. **Phlebologie** 1982 Apr–Jun; 35(2):519–21 **(Fre)**

[Elements of approach to varicose recurrence] Griton P, et al. **Phlebologie** 1982 Apr–Jun;35(2):455–9 **(Fre)**

[Respective indications for surgery and sclerosis in the treatment of varicose veins of the leg] Houbé G. **Phlebologie** 1982 Apr–Jun;35(2):607–13 (Eng. Abstr.) **(Fre)**

[Cryosclerosis of the saphenous veins in varicose reflux in the obese and elderly] Milleret R, et al. **Phlebologie** 1981 Oct–Dec;34(4):601–5 (Eng. Abstr.) **(Fre)**

[Who among patients already operated on for essential varicose veins, can benefit from repeat surgery?] Perrin M. **Phlebologie** 1982 Apr–Jun;35(2):513–8 **(Fre)**

[The role of perforated veins of the inside thigh in varicose recurrence] Rettori R. **Phlebologie** 1982 Apr–Jun; 35(2):475–83 (Eng. Abstr.) **(Fre)**

[Varicose recurrence] Saglio H. **Phlebologie** 1982 Apr–Jun; 35(2):451–4 **(Fre)**

[Personal concept of factors conditioning the recurrence of essential varicose veins after treatment] Vigoni M. **Phlebologie** 1982 Apr–Jun;35(2):523–8 **(Fre)**

[Survey on recurrence in essential varicose disease] Wallois P, et al. **Phlebologie** 1982 Apr–Jun;35(2):445–9 **(Fre)**

[Statistical trial; reflections on the future of the varicose patient] Wallois P. **Phlebologie** 1982 Apr–Jun;35(2):467–9 **(Fre)**

[Isolated varicose veins of the bulbus duodeni in portal hypertension] Ullrich F, et al. **Chirurg** 1981 Aug; 52(8):540–1 **(Ger)**

[Conservative and surgical therapy of primary varicosities] Fischer H. **Med Klin** 1981 Sep 25;76(20):546–51 **(Ger)**

[Surgical treatment of varicose veins] Gruenagel HH, et al. **Med Welt** 1982 Feb 26;33(8):275–8 **(Ger)**

[Thrombosis prophylaxis in venous surgery] May R. **Med Welt** 1981 Jul 31;32(30–31):1181–3 **(Ger)**

[Pharmacologic, biologic, anatomic and methodologic views for understanding failures in varicose treatments] Wenner L. **Vasa** 1981;10(3):264–7 (Eng. Abstr.) **(Ger)**

[Surgery of varicose veins] Selig V, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 15;75(8):367–8 **(Ger)**

[Surgical treatment of remaining varicose veins and recurrent varicose veins (author's transl)] Müller RP. **Z Hautkr** 1982 Feb 1;57(3):179–90 (Eng. Abstr.) **(Ger)**

[Leg oedema after surgery of varicose veins (author's transl)] Lahl W, et al. **Zentralbl Chir** 1981;106(23):1535–42 (Eng. Abstr.) **(Ger)**

[The inguinal cutaneous crease as an anatomical reference line for approach to the sapheno–femoral junction] Dell'Anna B, et al. **Chir Ital** 1982 ; pr;34(2):327–31 **(Ita)**

[A new surgical instrument for subaponeurotic interruption of communicating veins] Petrilli GL. **Chir Ital** 1982 Feb; 34(1):86–90 **(Ita)**

[Recurring varices of the lower limbs. Pathogenesis and indications for surgical treatment] Agus GB, et al. **Minerva Cardioangiol** 1982 Jan–Feb;30(1–2):25–7 (Eng. Abstr.) **(Ita)**

[Combined surgical correction of venous hemodynamics and lymph outflow in venous diseases of the legs] Driuk NF, et al. **Klin Khir** 1981 Jul;(7):9–12 (Eng. Abstr.) **(Rus)**

[Extravasal correction of incompetent valves in the deep veins with frame spirals in the combined treatment of varicose disease of the lower extremities] Vedenskii AN, et al. **Vestn Khir** 1981 Jul;127(7):53–8 (Eng. Abstr.) **(Rus)**

THERAPY

Injection sclerotherapy of bleeding oesophageal and gastric varices using a flexible endoscope. Stray N, et al. **Acta Med Scand** 1982;211(1–2):125–9

The support of the venous circulation. Beninson J, et al. **Angiology** 1982 Jul;33(7):442–5

The management of recurrent varicose veins [letter] Day TK. **Ann R Coll Surg Engl** 1982 May;64(3):203

Claims about compression treatment for venous disease [letter] **Br Med J [Clin Res]** 1982 Aug 7;285(6339):439–40

Compression–sclerotherapy for varicose veins [letter] David RS. **Can Med Assoc J** 1982 Jul 15;127(2):111

Compression–sclerotherapy for varicose veins: a Canadian study. Douglas KM, et al. **Can Med Assoc J** 1982 Apr 15;126(8):923–6

Endoscopic variceal sclerosis: a one–year experience. Hughes RW Jr, et al. **Gastrointest Endosc** 1982 May;28(2):62–6

A random controlled trial of two forms of compression bandaging in outpatient sclerotherapy of varicose veins. Raj TB, et al. **J Surg Res** 1981 Nov;31(5):440–5

Management of varicose veins by surgery and by injection. Lewis MR. **J Tenn Med Assoc** 1982 Jan;75(1):11–2

A randomised trial of bandaging after sclerotherapy for varicose veins. Dormandy JA, et al. **Phlebologie** 1982 Jan–Mar;35(1):125–31 **(Eng, Fre)**

The management of varicose veins. Hobbs JT. **Phlebologie** 1981 Jul–Sep;34(3):445–68 **(Eng, Fre)**

Efficacy of compression bandaging. Makin GS. **Phlebologie** 1982 Jan–Mar;35(1):117–23 **(Eng, Fre)**

The choice of compressive stocking. Stemmer R. **Phlebologie** 1982 Jan–Mar;35(1):107–16 **(Eng, Fre)**

Percutaneous transhepatic portography and sclerotherapy. Okuda K, et al. **Semin Liver Dis** 1982 Feb;2(1):57–66 (53 ref.)

[Failure in sclerotherapy: interpretation and management] Lanctot G. **Phlebologie** 1982 Apr–Jun;35(2):645–8 (Eng. Abstr.) **(Fre)**

[Attempt at a simple statistical interpretation of partial recurrence after sclerosis of varices] Lauliac M. **Phlebologie** 1982 Apr–Jun;35(2):461–5 **(Fre)**

[Incidence of age in the treatment of varices] Sprung O. **Phlebologie** 1981 Apr–Jun;34(2):273–6 **(Fre)**

[Current therapeutic behavior in varicosis. Results of population study in Dippoldiswalde (author's transl)] Winkler M, et al. **Dermatol Monatsschr** 1981 Dec; 167(12):743–7 (Eng. Abstr.) **(Ger)**

[Treatment and advice in varicose veins] Leu HJ. **Dtsch Med Wochenschr** 1981 Oct 2;106(40):1300–3 **(Ger)**

[Compression therapy in active, phlebotherapeutic measures] Bannath G. **Z Arztl Fortbild (Jena)** 1981 Aug 15; 75(16):775–6 **(Ger)**

[Physiotherapeutic principles in venous diseases] Freund R. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):778–80 **(Ger)**

[Indications for compression bandages] Seeckt HS. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):759–60 **(Ger)**

[Phlebosclerosation (author's transl)] Lindemayr H, et al. **Z Hautkr** 1982 Feb 1;57(3):191–9 **(Ger)**

[Indications for treatment of varicose veins (author's transl)] Stemmer R. **Z Hautkr** 1982 Feb 1;57(3):153–61 **(Ger)**

[Crenotherapy of peripheral phlebopathy] Messina B. **Clin Ter** 1981 Dec 31;99(6):573–9 **(Ita)**

[Methods of determining pressure on tissues from elastic stockings used for the prevention and treatment of chronic venous diseases of the lower limbs] Filatov VN, et al. **Polim Med** 1981;11(2):95–115 (Eng. Abstr.) **(Rus)**

[Sclerosing treatment of varicose veins] Corsetti V. **Angiologia** 1982 May–Jun;34(3):148–51 **(Spa)**

[Treatment of collateral varices of the legs by introducing strands of catgut into the lumen of the vessels] de Carvalho EV, et al. **Angiologia** 1982 May–Jun;34(3):145–7 **(Spa)**

VARIOLA see **SMALLPOX**

VARIOLA VIRUS see **SMALLPOX VIRUS**

VARNISH see **PAINT**

VARNISH, CAVITY see **DENTAL CAVITY LINING**

VAS DEFERENS

The concentration of some inorganic ions and organic compounds in the luminal fluid of the human ductus deferens. Hinton BT, et al. **Int J Androl** 1981 Aug; 4(4):457–61

Kelâmi–Affeld alloplastic spermatocele and successful human delivery. Kelâmi A. **Urol Int** 1981;36(6):368–72

Spontaneous bleeding into epididymis and vas. Fanous H, et al. **Urology** 1982 Aug;20(2):186–7

ABNORMALITIES

Congenital absence of the vas deferens. Patrick JK. **Am Fam Physician** 1982 Sep;26(3):147–9

Epididymal sperm granuloma. El–Beheiry AH, et al. **Arch Androl** 1982 Feb;8(1):65–7

Sperm antibodies in serum and semen in men with bilateral congenital absence of the vas deferens. Girgis SM, et al. **Arch Androl** 1982 Jun;8(4):301–5

Absent vas deferens in association with renal abnormalities. Deane AM, et al. **Br J Urol** 1982 Jun;54(3):298–9

Ectopic vas deferens communicating with lower ureter. Ayyat F, et al. **Urology** 1982 Apr;19(4):423–6

Segmental aplasia of the ductus deferens in the boar. Heath E, et al. **Vet Pathol** 1982 Mar;19(2):202–4

[Aspermia due to congenital absence of the ductus deferens] Tsvetkov D. **Akush Ginekol (Sofiia)** 1981;20(4):340–4 (Eng. Abstr.) **(Bul)**

[Schoysman's method of phlebospermatocele in agenesis of the ductus deferens] Tsvetkov D, et al. **Akush Ginekol (Sofiia)** 1982;21(1):66–9 (Eng. Abstr.) **(Bul)**

[Agenesis of the right vas deferens and the ipsilateral kidney] Frøkiaer E. **Ugeskr Laeger** 1981 May 4;143(19):1218–9 (Eng. Abstr.) **(Dan)**

[Simple renal ectopia of a single kidney with bilateral absence of the vasa deferentes] Pomar Moya–Prats P, et al. **Actas Urol Esp** 1981 Nov–Dec;5(6):371–6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Zinc in the epididymal and vasal spermatozoa of rhesus monkey (Macaca mulatta). Srivastava A, et al. **Arch Androl** 1982 Mar;8(2):117-20

Are there subtypes (isoreceptors) of multiple opiate receptors in the mouse vas deferens? Schulz R, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):61-6

Measurement of intracellular chloride in guinea-pig vas deferens by ion analysis, 36chloride efflux and micro-electrodes. Aickin CC, et al. **J Physiol (Lond)** 1982 May;326:139-54

Oestrogen receptors in mammalian vas deferens. Bojar H, et al. **Urol Res** 1982;10(2):87-92

ANATOMY & HISTOLOGY

Histological, histochemical and ultrastructural variations along the length of the human vas deferens before and after puberty. Paniagua R, et al. **Acta Anat (Basel)** 1982; 111(3):190-203

The testis and its excurrent ducts in American caenolestid and didelphid marsupials. Rodger JC. **Am J Anat** 1982 Mar; 163(3):269-82

DRUG EFFECTS

Prejunctional inhibitory dopamine receptors in the rat isolated vas deferens. Tayo FM. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):28-37

Further studies on the mechanism of action of methyldopa on the vas deferens of the guinea-pig. Tayo FM. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):38-42

Influence of castration of the neonatal rat on the pharmacological reactivity of the isolated vas deferens. Calixto JB, et al. **Biol Reprod** 1981 Oct;25(3):481-6

Pre- and postsynaptic alpha-adrenoceptor blocking activity of raubasine in the rat vas deferens. Demichel P, et al. **Br J Pharmacol** 1981 Dec;74(4):739-45

Excitability ot beta-endorphin, morphine and catecholamines of the vas deferens of the rat at different stages of development. Huidobro-Toro JP, et al. **Eur J Pharmacol** 1981 Nov 19;76(1):115-8

Rabbit vas deferens: a specific bioassay for opioid kappa-receptor agonists. Oka T, et al. **Eur J Pharmacol** 1981 Jul 17;73(2-3):235-6

Studies on the structural prerequisites for the activation of the beta-endorphin receptor on the rat vas deferens. Huidobro-Toro JP, et al. **J Pharmacol Exp Ther** 1982 Jul; 222(1):262-9

Method for localized and sustained administration of drugs to the vas deferens of rats. Wadsworth RM, et al. **J Pharmacol Methods** 1981 Jun;5(4):313-20

Histology of the rat vas deferens after injection of a non-occlusive chemical contraceptive. Verma K, et al. **J Reprod Fertil** 1981 Nov;63(2):539-42

Partial agonistic action of morphine in the rat vas deferens. Ishii K, et al. **Jpn J Pharmacol** 1981 Dec;31(6):905-9

Comparison of pre- and postsynaptic alpha-adrenoceptor blocking effects of E-643 in the isolated vas deferens of the rat. Shoji T. **Jpn J Pharmacol** 1981 Jun;31(3):361-8

Pre- and postsynaptic adrenergic activation by norepinephrine reuptake inhibitors in the field-stimulated rat vas deferens. Lotti VJ, et al. **Life Sci** 1981 Aug 10; 29(6):633-9

Effects of nifedipine on electrical and mechanical responses of rat and guinea pig vas deferens. Blakeley AG, et al. **Nature** 1981 Dec 24;294(5843):759-61

Effect of cadmium on the isolated vas deferens from guinea-pig. Niwa A, et al. **Nippon Heikatsukin Gakkai Zasshi** 1981 Jun;17(2):53-8

Castration alters the stimulatory and inhibitory adrenergic influences on isolated rat vas deferens. Borda E, et al. **Pharmacol Res Commun** 1981 Nov;13(10):981-96

Alpha and beta sympathetic responses to isoproterenol by the isolated rat vas deferens. Borda ES, et al. **Pharmacol Res Commun** 1981 May;13(5):487-99

Effect of the venom of the snake Cerastes cerastes (African desert horned viper) on the response of the rat vas deferens to field stimulation. Tilmisany AK, et al. **Toxicon** 1982; 20(2):505-8

[Effect of the tetracyclic antidepressants pyrazidol and inkazan on the adrenergic nerve transmission in the rat vas deferens] Panasiuk LV, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):13-7 (Eng. Abstr.) **(Rus)**

[Effect of bretylium on the isolated vas deferens of the rat. Interaction with other drugs] Sánchez S, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):183-8 **(Spa)**

ENZYMOLOGY

Influence of castration, testosterone propionate, androstenedione & estradiol-17 beta on LDH & its isoenzymes of vas deferens. Balasubramanian K, et al. **Indian J Exp Biol** 1981 May;19(5):419-21

Angiotensin I converting enzyme in rat testis, epididymis and vas deferens under different conditions. Hohlbrugger G, et al. **J Reprod Fertil** 1982 May;65(1):97-103

GROWTH & DEVELOPMENT

The postnatal development of the ductus deferens and ampulla in bulls. Abdel-Raouf M, et al. **Z Mikrosk Anat Forsch** 1981;95(5):785-96

INJURIES

Obturator foramen approach. I. A new technique for reconstruction of the vas deferens after extensive resections. Shafik A. **Am J Surg** 1982 Feb;143(2):255-9

INNERVATION

Role of alpha-adrenergic receptors in denervation supersensitivity of rat vas deferens. Hata F, et al. **Jpn J Pharmacol** 1981 Jun;31(3):383-90

Ionic mechanisms of alpha-autoinhibition of [3H]noradrenaline secretion in guinea-pig vas deferens: possible role of extracellular sodium. Stjärne L. **Neuroscience** 1981;6(12):2759-71

Innervation of the vas deferens and its importance for vasectomy and vasovasostomy. Esk PC, et al. **Urol Int** 1982;37(1):26-33

[The effect of vasectomy on the autonomic innervation of the vas deferens and epididymis in rats (author's transl)] Takano M. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct; 72(10):1280-97 (Eng. Abstr.) **(Jpn)**

METABOLISM

Ca2+-dependent and Ca2+-independent degradation of phosphatidylinositol in rabbit vas deferens. Egawa K, et al. **Biochem J** 1981 Jan 15;194(1):129-36

Testosterone metabolism by proximal and distal regions of the vas deferens from immature and mature rats. Seethalakshmi L, et al. **Biol Reprod** 1982 May;26(4):584-90

Identification and specific blockade of histaminergic receptors in guinea pig vasa deferentia. Joshi DP, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1089-93

Androgen levels in the lipid of the canine vas deferens and peripheral plasma. Boulanger P, et al. **J Endocrinol** 1982 Apr;93(1):109-15

Evidence for a single opioid receptor type on the field stimulated rat vas deferens. Liao CS, et al. **Life Sci** 1981 Dec 21;29(25):2617-22

3H-Noradrenaline metabolism in the isolated epididymal and prostatic portions of the rat vas deferens. Pardal JF, et al. **Life Sci** 1981 Oct 12;29(15):1583-9

Release of 3H-norepinephrine by ammonium and its modification by changes in pH. Wakade AR, et al. **Life Sci** 1981 Dec 7;29(23):2381-9

Opiate receptor binding studies in the mouse vas deferens exhibiting tolerance without dependence. Rubini P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 May; 319(2):142-6

3H-WB 4101 binding in the rat vas deferens. Effects of chronic treatments with desipramine and prazosin. Wetzel HW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Nov;317(3):187-92

Testosterone regulates prostaglandin production by the rat vas deferens. Borda E, et al. **Prostaglandins Med** 1981 Sep; 7(3):245-51

PATHOLOGY

Vasectomy: subclinical pathologic changes. Taxy JB, et al. **Am J Surg Pathol** 1981 Dec;5(8):767-72

Benign neural invasion in vasitis nodosa. Goldman RL, et al. **Histopathology** 1982 May;6(3):309-15

The vulnerability of the vas deferens. Shandling B, et al. **J Pediatr Surg** 1981 Aug;16(4):461-4

PHYSIOLOGY

Antagonism of presynaptic adenosine receptors by theophylline 9-beta-D-riboside and 8-phenyltheophylline. Clanachan AS. **Can J Physiol Pharmacol** 1981 Jun; 59(6):603-6

Tetrodotoxin-resistant release of ATP from guinea-pig taenia coli and vas deferens during electrical field stimulation in the presence of luciferin-luciferase. White T, et al. **Can J Physiol Pharmacol** 1981 Oct;59(10):1094-100

The effect of vasectomy-vasovasostomy on normal physiologic function of the vas deferens. Brickel D, et al. **Fertil Steril** 1982 Jun;37(6):807-10

Peristaltic transport of a two-layered model of physiological fluid. Srivastava LM, et al. **J Biomech** 1982;15(4):257-65

Morphological and physiological factors involved in the contractility of the spermatic cord and ductus deferens of the opossum (Didelphis albiventris). Machado CR, et al. **J Reprod Fertil** 1982 Jul;65(2):275-80

Depression of nerve-mediated smooth muscle contractions in vitro by plasma of an anephric rabbit and uremic patients. Matsumoto A, et al. **Jpn J Physiol** 1981;31(6):947-56

Effect of L-prolyl-L-leucyl-glycinamide (MIF-I) on some neutrotransmitter-receptor interactions. Dickinson SL, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):189-95

Morphiceptin (beta-casomorphin (1-4) amide): a peptide opioid antagonist in the field stimulated rat vas deferens. Day AR, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec;34(3):543-6

[Antinoradrenergic activity of raubasine on isolated thoracic aorta and vas deferens of rat (author's transl)] Roquebert J, et al. **J Pharmacol** 1981 Nov-Dec;12(4):393-403 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Vasography - Clinical and experimental investigations. Wagenknecht LV, et al. **Andrologia** 1982 Mar-Apr; 14(2):182-9

The role of seminal vesiculography in the evaluation of male infertility. Ford K, et al. **Fertil Steril** 1982 Apr;37(4):552-6

Vasovasostomy with use of intraoperative vasography. Hartig PR, et al. **Urology** 1982 Apr;19(4):404-6

[Deferentography under local anaesthesia in male sterility: technique and results (author's transl)] Gurret JP, et al. **Ann Radiol (Paris)** 1981 Sep-Oct;24(6):495-9 (Eng. Abstr.) **(Fre)**

[Deferentography under local anaesthesia in male sterility : technique and results (author's transl)] Gurret JP, et al. **Sem Hop Paris** 1982 Apr 1;58(13):793-7 (Eng. Abstr.) **(Fre)**

[Vesiculo-deferentography in andrology] Schirren C. **Andrologia** 1982 Jan-Feb;14(1):86-7 **(Ger)**

[Calcinosis of the vas deferens] Zander W, et al. **ROFO** 1981 Nov;135(5):621 **(Ger)**

SECRETION

Selective stimulation of PGE1-synthesis by soterenol in the isolated rat vas deferens is mediated by alpha adrenoreceptors. Borda E, et al. **Prostaglandins Leukotrienes Med** 1982 May;8(5):531-6

SURGERY

Obturator foramen approach. I. A new technique for reconstruction of the vas deferens after extensive resections. Shafik A. **Am J Surg** 1982 Feb;143(2):255-9

Sterilization of the male dog and cat by laparoscopic occlusion of the ductus deferens. Wildt DE, et al. **Am J Vet Res** 1981 Nov;42(11):1888-97

Recent advances in microsurgery of the male genitalia. Silber SJ. **Ann Chir Gynaecol** 1982;71(1):80-96 (64 ref.)

Vasovasostomy-microscopy versus macroscopic techniques. Fenster H, et al. **Arch Androl** 1981 Sep;7(2):201-4

Microvasovasostomy. Todd IA, et al. **Ariz Med** 1981 Nov; 38(11):847

A low power magnification technique for reanastomosis of the vas. Urquhart-Hay D. **Br J Urol** 1981 Oct;53(5):466-9

Vasoepididymostomy: the role of the microscope. McLoughlin MG. **Can J Surg** 1982 Jan;25(1):41-3

Microsurgical vasovasostomy. Lamesch AJ, et al. **Eur Surg Res** 1981;13(4):299-309

Macroscopic vasovasostomy. Kessler R, et al. **Fertil Steril** 1981 Oct;36(4):531-2

Microscopic vasoepididymostomy: examination of epididymal lumen content for presence of spermatozoa. Turner TT, et al. **Fertil Steril** 1981 Oct;36(4):533-4

The vulnerability of the vas deferens. Shandling B, et al. **J Pediatr Surg** 1981 Aug;16(4):461-4

Nonmicroscopic vasovasostomy. Fallon B, et al. **J Urol** 1981 Sep;126(3):361-2

Clinical experience with vasovasostomy utilizing absorbable intravasal stent. Redman JF. **Urology** 1982 Jul;20(1):59-61

[Anastomosis of vas deferens (author's transl)] Li FQ. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):605-6 (Eng. Abstr.) **(Chi)**

[Problems of indications for surgery in benign tumors of the epididymis and vas deferens] Fuhse I. **Z Urol Nephrol** 1981 Dec;74(12):893-6 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Vas deferens and seminal vesicles epithelium after castration: a SEM study. Zecchi S, et al. **Andrologia** 1982 Mar-Apr; 14(2):143-9

Ultrastructural studies of spermatozoa and the epithelial lining of the epididymis and vas deferens in rats treated with gossypol. Hoffer AP. **Arch Androl** 1982 Jun; 8(4):233-46

The ampulla ductus deferentis in man, as viewed by SEM and TEM. Riva A, et al. **Arch Androl** 1982 May;8(3):157-64

Microsurgical vasovasostomy. Lamesch AJ, et al. **Eur Surg Res** 1981;13(4):299-309

Studies of the deferent ducts from the testis of the African elephant, Loxodonta africana. III. Ultrastructure and cytochemistry of the ductuli efferentes. Jones RC, et al. **J Anat** 1981 Sep;133(Pt 2):247-55

VASA NERVORUM see under **BLOOD VESSELS**

VASA VASORUM

ANATOMY & HISTOLOGY

Arterial vasa vasorum: a quantitative study in the rat. McGeachie J, et al. **J Anat** 1982 Mar;134 (Pt 2):193-7

PHYSIOLOGY

[Vasa-vasorum (author's transl)] Lefebvre D, et al. **J Mal Vasc** 1981;6(1):16-18 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Visualization of a fine periluminal vascular network following transluminal angioplasty: possible demonstration of the vasa vasorum. Train JS, et al. **Radiology** 1982 May; 143(2):399-403

VASCULAR DISEASES

Anglo-French meeting on venous disorders. Le Touquet, France, May 8-9, 1981. **Phlebologie** 1982 Jan-Mar;

35(1):1–424 **(Eng, Fre)**

[European colloquium on phlebology. Rome, 2–4 October 1980] **Phlebologie** 1981 Jul–Sep;34(3):343–88 **(Fre)**

[Abstracts of the 3d joint annual session of the Angiological Societies of Germany, Austria and Switzerland. Bern, 3–5 September 1981] **Vasa** 1981;Suppl 8:1–95 **(Ger)**

BLOOD

Plasma high density lipoproteins in coronary, cerebral and peripheral vascular disease. The influence of various risk factors. Bihari-Varga M, et al. **Atherosclerosis** 1981 Nov–Dec;40(3–4):337–45

Formes frustes in myeloproliferative disorders. Identification by the growth of an endogenous erythroid clone in vitro in patients with arterial vascular disease. Reid CD, et al. **Lancet** 1982 Jan 2;1(8262):14–5

Red cell filterability and metabolic state in diabetic subjects with macro-angiopathy. Le Devehat C, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:155–8

[Retinal vascular changes and haemostatic function in young patients (author's transl)] Bertoni G, et al. **J Fr Ophtalmol** 1981;4(10):661–6 (Eng. Abstr.) **(Fre)**

[ADP-induced platelet aggregation in vascular diseases of the elderly] Pernigotti L, et al. **Minerva Med** 1981 Oct 13;72(39):2617–20 (Eng. Abstr.) **(Ita)**

[ABO blood group system and vegetative-vascular disorders in children] Ismagilov MF, et al. **Zh Nevropatol Psikhiatr** 1981;81(10):1487–8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Immune reactivity and the vascular risk in oral contraceptive users. Beaumont JL, et al. **Am J Reprod Immunol** 1981; 1(3):119–25

Acute vascular episodes associated with therapy for carcinomas of the upper aerodigestive tract with bleomycin, vincristine, and cisplatin. Kukla LJ, et al. **Cancer Treat Rep** 1982 Feb;66(2):369–70

Vascular effects of hormonal contraception. Huppert LC. **Clin Obstet Gynecol** 1981 Sep;24(3):951–63 (29 ref.)

Oral contraceptives and circulatory disease [letter] **Fertil Steril** 1981 Sep;36(3):412–7

Vascular spasm during thromboembolism prophylaxis with heparin–dihydroergotamine [letter] van den Berg E, et al. **Lancet** 1982 Jul 31;2(8292):268–9

Veno-occlusive disease of the liver in patients receiving immunosuppressive therapy. Weitz H, et al. **Virchows Arch [Pathol Anat]** 1982;395(3):245–56

[Specific side effects of intravenous narcotic agents (porphyria, hyperpyrexia, vascular damage, histamines)] Doenicke A. **Klin Anasthesiol Intensivther** 1981;23:192–213 **(Ger)**

[Vascular lesion in rape oil poisoning (epidemic toxic syndrome)] Mateo Gutiérrez AM, et al. **Angiologia** 1982 Jan–Feb;34(1):1–9 **(Spa)**

COMPLICATIONS

Superior vena cava syndrome as a cause of pleural effusion. Good JT Jr, et al. **Am Rev Respir Dis** 1982 Feb; 125(2):246–7

Patent median artery as a cause of carpal tunnel syndrome. Lavey EB, et al. **Ann Plast Surg** 1981 Sep;7(3):236–8

Pulmonary vascular disease with congenital heart lesions: pathologic features and causes. Hoffman JI, et al. **Circulation** 1981 Nov;64(5):873–7 (58 ref.)

Morphologic findings in lymph nodes after occlusion of their efferent lymphatic vessels and veins. Steinmann G, et al. **Lab Invest** 1982 Jul;47(1):43–50

Angiodysplasia [editorial] **Lancet** 1981 Nov 14; 2(8255):1086–7

Peyronie's disease associated with chronic degenerative arterial disease and not with beta-adrenoceptor blocking agents [letter] Pryor JP, et al. **Lancet** 1982 Apr 17; 1(8277):917

Alpha 1-antitrypsin deficiency with vascular leakage syndrome and panniculitis. Balk E, et al. **Neth J Med** 1982; 25(5):138–41

Neurological complications of connective tissue and other 'collagen-vascular' diseases. Cohen SB, et al. **Semin Arthritis Rheum** 1981 Aug;11(1):190–212

[Pulmonary vascular disease in a newborn with complete transposition of the great arteries and intact ventricular septum. Case report (author's transl)] Alampi G, et al. **G Ital Cardiol** 1981;11(6):847–9 (Eng. Abstr.) **(Ita)**

[Anhydrotic ectodermal dysplasia. Rare form with vascular purpura and myopathy] Buttitta P, et al. **Pediatria (Napoli)** 1981;89(2):253–64 (Eng. Abstr.) **(Ita)**

[Neurovascular syndromes and vertebral pathology] Kipervas IP. **Sov Med** 1982;(4):112–4 **(Rus)**

[Vascular lesions in the pathogenesis of systemic lupus erythematosus] Potekhina RN, et al. **Vopr Revm** 1981 Apr–Jun;(2):18–21 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Radioisotopic investigations in the diagnosis of vascular diseases. Zanella E. **Acta Biomed Ateneo Parmense** 1981; 52(5):163–9

The vasculitic syndromes. Cupps TR, et al. **Adv Intern Med** 1982;27:315–44 (99 ref.)

Noninvasive diagnosis of arterial disease. Lees RS, et al. **Adv Intern Med** 1982;27:475–509 (82 ref.)

EEG in the vascular laboratory. Anderson EM, et al. **Adv Neurol** 1981;30:325–34

Sonographic demonstration of the right ascending lumbar vein. Manor A, et al. **AJR** 1982 Feb;138(2):339–41

Diagnosis and monitoring in arterial surgery: the use of ultrasound and related techniques. Baird RN. **Ann R Coll Surg Engl** 1982 Mar;64(2):91–5

Transcutaneous oxygen tension measurements as a method of assessing peripheral vascular disease. Young KC, et al. **Clin Phys Physiol Meas** 1981 May;2(2):147–51

Computer diagnosis in a vascular diagnostic laboratory. Lowenstein DH, et al. **Comput Biomed Res** 1981 Dec; 14(6):592–605

Aerobic muscular exercise: applications in clinical medicine for diagnosis and therapy. Scherzer HH. **Conn Med** 1981 Oct;45(10):628–32

Methods of early detection of systemic or local vascular disease [letter] Friedmann I. **J Clin Pathol** 1982 Mar; 35(3):365

Office Doppler techniques in vascular disease. Barnes RW. **J Fam Pract** 1981 Oct;13(5):711–20

Differentiating vaso-occlusive crisis and infection in sickle cell anemia. Shah Y, et al. **J Fam Pract** 1981 Oct;13(5):752, 757

Clinical applications of the Doppler ultrasound flowmeter in lower extremity vascular disease. Nelson PB, et al. **J Foot Surg** 1980 Summer;19(2):88–94

Non-invasive vascular testing in a community hospital. Nelson CW, et al. **J Iowa Med Soc** 1982 Feb;72(2):57–61

The role of the vascular laboratory in arterial surgery. Baird RN. **J R Coll Surg Edinb** 1981 Nov;26(6):315–21

An experimental evaluation of arteriography and imaging ultrasonography in detecting arterial defects at operation. Coelho JC, et al. **J Surg Res** 1982 Feb;32(2):130–7

Vasculogenic impotence: role of the pelvic steal test. Goldstein I, et al. **J Urol** 1982 Aug;128(2):300–6

Gray-scale ultrasound evaluation of the lower extremities. Bluth EI, et al. **JAMA** 1982 Jun 11;247(22):3127–9

Angiodysplasia [letter] Howard OM, et al. **Lancet** 1981 Dec 12;2(8259):1340

Peripheral arterial disease: noninvasive testing. Bell DD. **Major Probl Clin Surg** 1981;4:77–102 (41 ref.)

Arterial embolism and thrombosis. Gaspar MR. **Major Probl Clin Surg** 1981;4:158–75 (74 ref.)

Mesenteric arterial disease. Gaspar MR. **Major Probl Clin Surg** 1981;4:412–34 (133 ref.)

Arterial aneurysms. Gaspar MR. **Major Probl Clin Surg** 1981; 4:176–227 (217 ref.)

The community hospital vascular laboratory. Pfeiffer RB Jr, et al. **Mo Med** 1981 Sep;78(9):589–90

Branch vein occlusion. Noble KG, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):86–8

Venous and peripheral vascular disease. Upson JF, et al. **Primary Care** 1982 Mar;9(1):105–13

Critical evaluation of stress testing in the diagnosis of peripheral vascular disease. Ouriel K, et al. **Surgery** 1982 Jun;91(6):686–93

[Allergic vascular diseases in childhood] Schwartz A, et al. **Cesk Pediatr** 1981 Sep;36(9):516–20 (Eng. Abstr.) **(Cze)**

[Spontaneous rupture of major abdominal vessels] Høier-Madsen K, et al. **Ugeskr Laeger** 1981 Mar 23; 143(13):825–6 (Eng. Abstr.) **(Dan)**

[What could be expected of Dopplerian exploration of limbs? (author's transl)] Perrot B. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep;30(4):261–7 (36 ref.) (Eng. Abstr.) **(Fre)**

[Critical study and Doppler-arteriographies correlations in a homogeneous series of 115 examinations of the lower limbs (author's transl)] Becker F, et al. **J Mal Vasc** 1982; 7(2):129–31 (Eng. Abstr.) **(Fre)**

[Functional vascular investigation] Lemaire R. **Phlebologie** 1981 Apr–Jun;34(2):199–202 (Eng. Abstr.) **(Fre)**

[Clinical vestibular and electronystagmographic aspects of benign cerebellar vascular accidents (author's transl)] Proust B, et al. **Rev Otoneuroophtalmol** 1982 Jan–Feb; 54(1):17–24 (Eng. Abstr.) **(Fre)**

[Progress in the angiologic diagnosis and new perspectives in the therapy of peripheral circulatory disorders] Gottstein U. **Internist (Berlin)** 1982 Jul;23(7):357–8 **(Ger)**

[Non-invasive diagnosis of venous diseases] Köhler M. **Med Welt** 1982 Apr 23;33(16):589–92 **(Ger)**

[Ultrasonic Doppler examination of the peripheral vascular system] Diehm C, et al. **Rontgenpraxis** 1981;34(8):350–3 **(Ger)**

[The examination of abdominal and peripheral blood vessels with image-producing ultrasonic procedures] Terwey B, et al. **Rontgenpraxis** 1981;34(7):300–13 **(Ger)**

[Vibration-induced arteriopathies of the upper extremities: diagnosis and therapy] Benedetti-Valentini F Jr, et al. **Ann Ist Super Sanita** 1981;17(3):431–4 **(Ita)**

[Digital biopsy in the study of angiopathies (histomorphologic aspects of microcirculation)] Cappelletti F, et al. **Ann Ital Chir** 1981;53(3):345–54 **(Ita)**

[Correlations between clinical stage and peripheral pressures in peripheral vascular diseases (author's transl)] Bartolo M, et al. **G Ital Cardiol** 1981;11(8):1128–30 (Eng. Abstr.) **(Ita)**

[Use of Echoflow in the evaluation of peripheral aneurysms and arterial diseases. First clinical results] Settembrini PG, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):47–54 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonography in the diagnosis of diseases of the supra-aortic trunks] Bertoglio C, et al. **Minerva Med** 1982 Jun 8;73(24):1687–94 (Eng. Abstr.) **(Ita)**

[Doppler ultrasonic arteriography with colorimetric morpho-function analysis of frequency (Echoflow). Preliminary trials] Oliva L, et al. **Minerva Med** 1981 Sep 29;72(37):2465–71 (Eng. Abstr.) **(Ita)**

[Intravascular endothelial papillary hyperplasia] Servida E, et al. **Pathologica** 1981 Sep–Oct;73(1027):743–51 (Eng. Abstr.) **(Ita)**

[Use of thermography in the diagnosis of vascular diseases of the lower extremities] Goriainova LK, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):30–2 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of peripheral vasomotor disorders of vibration and nonvibration origin] Petrenko BE, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):8–11 (Eng. Abstr.) **(Rus)**

[Autonomic vascular disorders in chronic kidney diseases] Varvinskaia NA. **Klin Med (Mosk)** 1982 Apr;60(4):80–4 (Eng. Abstr.) **(Rus)**

[Clinical characteristics of the autonomic vascular disorders in lumbosacral radiculitis] Gaft PG, et al. **Vrach Delo** 1982 May;(5):106–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Practical impact of hemorheology on the treatment of chronic peripheral ischemia. Dormandy JA. **Angiology** 1981 Oct;32(10):710–4

Controlled evaluation of drugs in chronic vascular disease. Trübestein G. **Angiology** 1981 Oct;32(10):699–704

Defibrinating agents: effects on blood rheology, blood flow and vascular diseases in controlled studies. Lowe GD. **Bibl Haematologica** 1981;47:247–51

Prostaglandin E1 therapy for peripheral vascular disease is better than placebo [letter] **Clin Physiol** 1982 Apr; 2(2):163–5

Prostaglandin therapy for peripheral vascular disease – better than placebo? Wennmalm A. **Clin Physiol** 1982 Apr; 2(2):85–7

Hemorheology and peripheral vascular diseases: a new therapeutic approach. Müller R. **J Med** 1981;12(4):209–35 (112 ref.)

Clinical applications of prostaglandins and their inhibitors. Moskowitz MA, et al. **Stroke** 1981 Nov–Dec;12(6):882–6 (34 ref.)

Studies on platelet aggregation and antiplatelet therapy in blackfoot disease. Chen WY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):873–83

Some remarks on the complex behaviour of platelet function during and after prostacyclin treatment. Sinzinger H, et al. **Vasa** 1981;10(4):348–9

[Trial of nicergoline in arteriopathies of the lower limbs (apropos of 33 cases)] Debaert M, et al. **Lille Med** 1981 Mar;26(3):140–3 **(Fre)**

[Venoruton—used not only in venopathies? Symposium on O-(beta-hydroxyethyl)-rutoside (=Venoruton) in vascular diseases] **ZFA (Stuttgart)** 1981 Sep 20;57(26):1758–60 **(Ger)**

[Intermittent claudication: topical treatment with isosorbide dinitrate ointment. Preliminary results] Biagini A, et al. **G Ital Cardiol** 1981;11(7):983–9 (Eng. Abstr.) **(Ita)**

[Therapy of vascular-dependent skin pathology] Binazzi M. **Minerva Med** 1982 Apr 2;73(14):805–7 (Eng. Abstr.) **(Ita)**

[Can the Doppler method indicate the usefulness of vasodilator therapy?] Bartolo M, et al. **Recenti Prog Med** 1981 Aug;71(2):175–84 (Eng. Abstr.) **(Ita)**

[Clinical study of the cerebrovascular action of pentoxifylline] Shtok VN, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):60–6 (Eng. Abstr.) **(Rus)**

ECONOMICS

[Sociomedical aspects of venous diseases] Reale L. **Phlebologie** 1981 Jul–Sep;34(3):345–64 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

[Embryology, anomalies, dystrophy and pathology of the lower limbs arteries (author's transl)] Kim M, et al. **J Mal Vasc** 1981;6(3):187–92 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Case report: livedo reticularis in endocarditis. Bishop H, et al. **Am J Med Sci** 1981 Nov–Dec;282(3):131–5

Bilateral retinal branch vein occlusion. Mandel ER, et al. **Ann Ophthalmol** 1982 Apr;14(4):387, 390–1

The effect of combination therapy (steroids, immunosuppressives, and plasmapheresis) on 5 mixed cryoglobulinemia patients with renal, neurologic, and vascular involvement. Geltner D, et al. **Arthritis Rheum** 1981 Sep;24(9):1121–7

Medial arterial calcification and diabetic neuropathy [letter] Capron L. **Br Med J [Clin Res]** 1982 Jun 5; 284(6330):1711–2

Symptomatic exacerbation of peripheral vascular disease with chronic ambulatory peritoneal dialysis. Brown PM, et al. **Clin Nephrol** 1981 Nov;16(5):258–61

Vascular complications in injuries about the knee joint. Ottolenghi CE. **Clin Orthop** 1982 May;(165):148–56

Superior vena cava obstruction secondary to retrosternal

goiter. Fieber S, et al. **J Med Soc NJ** 1982 Feb;79(2):100–5
Superior vena cava syndrome in childhood and adolescence: a review of the literature and report of three cases. Janin Y, et al. **J Pediatr Surg** 1982 Jun;17(3):290–5
Haemoglobin, smoking and peripheral vascular disease. Castleden WM, et al. **J R Soc Med** 1981 Aug;74(8):586–90
Vascular changes in leprosy and its role in the pathogenesis of leprous neuritis. Chopra JS, et al. **Lepr India** 1981 Jul; 53(3):443–53
Myotonic dystrophy complicated by peripheral vascular disease. David AS, et al. **Postgrad Med J** 1982 May; 58(679):288–9
Livedo reticularis and cerebro-vascular disease. Stephens WP, et al. **Postgrad Med J** 1982 Feb;58(676):70–3
Paralysis of arteries by intraluminal balloon dilatation. Castaneda-Zuniga WR, et al. **Radiology** 1982 Jul; 144(1):75–6
Is renin a risk factor? Kirkendall WM, et al. **Trans Am Clin Climatol Assoc** 1980;92:216–26
[Vascular complications of the thoracic outlet syndrome : report on a series of 300 rib resections (author's transl)] Mercier C, et al. **Chirurgie** 1981;107(6):433–8 (Eng. Abstr.) **(Fre)**
[Hyperlipidemia. Vascular risk factors in Senegalese patients. Preliminary study] Thomas J, et al. **Dakar Med** 1981; 26(3):371–6 (Eng. Abstr.) **(Fre)**
[Zinc and vascular disorders (author's transl)] Robert JL, et al. **J Mal Vasc** 1981;6(3):211–3 **(Fre)**
[Multiple vascular lesions in Horton's disease. Angiographic study (author's transl)] Chagnon S, et al. **J Radiol** 1981 Mar;62(3):183–6 (Eng. Abstr.) **(Fre)**
[What is a microcirculatory disorder in chronic degenerative vascular disease? (author's transl)] Schmid-Schönbein H. **Arzneimittelforsch** 1981;31(11a):1999–2007 (Eng. Abstr.) **(Ger)**
[Relations between renin activity and vascular complications of arterial hypertension] Bonfanti F, et al. **Minerva Cardioangiol** 1982 Mar;30(3):75–80 (Eng. Abstr.) **(Ita)**
[Metastatic compression of the carotid sinus with syncope (Preliminary note)] Bardin PG, et al. **Riv Neurobiol** 1980 Apr-Jun;26(2):207–12 (Eng. Abstr.) **(Ita)**
[Relation between microcirculatory disorders and surgery in pulmonary tuberculosis] Struzhko IB. **Probl Tuberk** 1982 Feb;(2):31–6 (Eng. Abstr.) **(Rus)**
[Concerning disorders of the extremities due to prolonged, excessive, and onesided load (author's transl)] Buchancová J, et al. **Bratisl Lek Listy** 1982;77(6):678–86 (Eng. Abstr.) **(Slo)**

HISTORY

[The development of phlebology in the last 30 years] Van der Molen HR. **Phlebologie** 1981 Jul-Sep;34(3):313–32 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Glomerular and vascular injury in mice following immunization with heterologous and autologous fibronectin. Murphy-Ullrich JE, et al. **Virchows Arch [Cell Pathol]** 1982;39(3):305–21
[Detection of circulating immune complexes using polyethylene glycol. Its value in the therapy of phlebology patients] Van der Molen HR, et al. **Phlebologie** 1981 Oct-Dec;34(4):525–34 (Eng. Abstr.) **(Fre)**

MORTALITY

Trends in mortality from diseases of the circulatory system and cancer by site in Antwerp, Belgium 1900–1975. Vrijens N. **Soc Sci Med** 1982;16(3):293–302

OCCURRENCE

[The Tübingen Study. Incidence of venous diseases in the German resident population] Marshall M. **MMW** 1982 May 28;124(21):509–10 **(Ger)**
[Vascular tumors VI: tumors of large vessels] Leu HJ. **Vasa** 1982;11(2):144–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Age-dependent changes in prevalence, size and proliferation of arterial lesions in cockerels. II. Carcinogen-associated lesions. Penn AL, et al. **Artery** 1981;9(5):382–93
Peripheral arterial disease:anatomy. Barker WF. **Major Probl Clin Surg** 1981;4:1–37 (21 ref.)
Renovascular hypertension. Gaspar MR. **Major Probl Clin Surg** 1981;4:383–411 (116 ref.)
Isolated renal artery dissection, presentation, evaluation, management, and pathology. Edwards BS, et al. **Mayo Clin Proc** 1982 Sep;57(9):564–71
Ultrastructural and capillary adaptation of gastrocnemius muscle to occlusive peripheral vascular disease. Clyne CA, et al. **Surgery** 1982 Aug;92(2):434–40
Ocular angiogenesis in disease states. Garner A, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):381–4
Retinal vascular anomalies. Pathogenesis, appearance, and history. Henkind P, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):425–33
Peliosis of the female adrenal cortex of the aging rat. Dhom G, et al. **Virchows Arch [Cell Pathol]** 1981;36(2-3):195–206
[Speech by the president of the congress] Hodara M. **J Mal Vasc** 1981;6(2):81–3 **(Fre)**
[Vascular tumors. Part V: hemangioma] Leu HJ. **Vasa** 1982; 11(1):71–3 (Eng. Abstr.) **(Ger)**
[The endothelium of the left common iliac vein as a contributing factor in the pathogenesis of venous spurs] Salomonowitz E, et al. **Vasa** 1981;10(3):194–8 (Eng. Abstr.) **(Ger)**
[Dysplastic collagen fibrils during structural changes in the vessel wall and connective tissue] Staubesand J. **Verh Anat Ges** 1981;75(Pt 1):167–82 (Eng. Abstr.) **(Ger)**
[Pathogenetic interactions between veno-occlusive disease and sideroelastosis pulmonum? (author's transl)] Schwarting H, et al. **Zentralbl Allg Pathol** 1981; 125(4):327–33 (Eng. Abstr.) **(Ger)**
[Ultrastructural changes of the gastrocnemius and rectus muscles of the femur in chronic arterial insufficiency] Farinon AM, et al. **Chir Patol Sper** 1980 Jun;28(3):178–92 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Sympathetic and vascular dysfunction in early experimental juvenile diabetes mellitus. Mueller SM, et al. **Am J Physiol** 1982 Aug;243(2):H139–44
Noninvasive evaluation of peripheral vascular disease using transcutaneous oxygen tension. White RA, et al. **Am J Surg** 1982 Jul;144(1):68–75
Smoking, ignorance, and peripheral vascular disease. Clyne CA, et al. **Arch Surg** 1982 Aug;117(8):1062–5
Spasm of a saphenous vein bypass graft. A possible mechanism for occlusion of the venous graft. Victor MF, et al. **Chest** 1981 Oct;80(4):413–5
Magnesium ions and contraction of vascular smooth muscles: relationship to some vascular diseases. Altura BM, et al. **Fed Proc** 1981 Oct;40(12):2672–9 (80 ref.)
Vascular structural changes in DOC-salt hypertensive rats. Mangiarua E, et al. **Hypertension** 1981 Nov-Dec;3(6 Pt 2):II-183–6
Peripheral arterial disease: physiology and pathogenesis. Barker WF. **Major Probl Clin Surg** 1981;4:38–76 (99 ref.)
Beta-adrenergic blockade and peripheral vascular disease. Ingram DM, et al. **Med J Aust** 1982 Jun 12;1(12):509–11
Doppler ultrasound pulsatility index as an alternative to ankle pressure in vascular disease. Levien LJ. **S Afr J Surg** 1981 Jun;19(2):121–7
[Acrorhigosis] Merlen JF. **Phlebologie** 1981 Oct-Dec; 34(4):595–9 (Eng. Abstr.) **(Fre)**
[Measurements of blood flow in retinal vein occlusion] Brandt HP, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):137–42 (Eng. Abstr.) **(Ger)**
[Times of appearance of the arterial plethysmographic wave and the ultrasonogram in the study of arteriopathies] Berni A, et al. **Minerva Cardioangiol** 1981 Jul-Aug;29(7-8):383–6 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

An alternative method for providing lateral tilt during labour [letter] Edwards JN. **S Afr Med J** 1981 Nov 28;60(22):843–4
[Chronobiology in hemodynamic imbalance syndromes and in the prevention of vascular diseases] Marconi G, et al. **Minerva Med** 1982 Apr 14;73(16):983–1046 **(Ita)**

PSYCHOLOGY

Subjective health of patients with peripheral vascular disease. Hunt SM, et al. **Practitioner** 1982 Jan;226(1363):133–6

RADIOGRAPHY

Intravenous angiography for extracranial disease. Quencer RM, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):255–60
Diagnosis of vascular disease by photoelectronic intravenous angiography. Hillman BJ, et al. **JAMA** 1981 Dec 18; 246(24):2853–6
Digital video subtraction angiography for evaluation of peripheral vascular disease. Crummy AB, et al. **Radiology** 1981 Oct;141(1):33–7
Obstruction of the superior vena cava or its major tributaries demonstrated by bolus-injection excretory urography. Drane WE, et al. **Radiology** 1982 Aug;144(3):499–504
[Cystic vascular wall degeneration] Marshall M. **MMW** 1982 Apr 23;124(16):81–2 **(Ger)**
[Cystic degeneration of the popliteal artery: a case report] Appel WH, et al. **ROFO** 1981 Aug;135(2):243–5 **(Ger)**
[The diagnosis of renal perfusion abnormalities by sequential CT (author's transl)] Treugut H, et al. **ROFO** 1981 Oct; 135(4):381–8 (Eng. Abstr.) **(Ger)**
[Vascular malformation in cranial computerized tomography (author's transl)] Kuckein D. **Rontgenblatter** 1982 Sep; 35(9):339–44 (Eng. Abstr.) **(Ger)**
[Chronic renal failure and radiological appearance of hyperparathyroidism (2). Soft-part calcifications (author's transl)] Watanabe T. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981;41(8):733–41 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Peripheral vascular disease--a radionuclide assessment. Mooney BM, et al. **Ir J Med Sci** 1981 Dec;150(12):367–71
Lower extremity circulatory studies utilizing radioisotopes. Riegelhaupt RW, et al. **J Foot Surg** 1982 Summer; 21(2):86–90

SURGERY

Carotid sinus syndrome: intraoperative management facilitated by temporary transvenous demand pacing. Brown CQ, et al. **Anesthesiology** 1982 Feb;56(2):151–3
Percutaneous transluminal angioplasty as an adjunct to the surgical management of peripheral vascular disease. Kadir S, et al. **Ann Surg** 1982 Jun;195(6):786–95
Argon laser therapy of small cutaneous vascular lesions. Arndt KA. **Arch Dermatol** 1982 Apr;118(4):220–4
Influence of ischemic heart disease on early and late mortality after surgery for peripheral occlusive vascular disease. Jamieson WR, et al. **Circulation** 1982 Aug;66(2 Pt 2):I92–7
The assessment of skin viability using fluorescein angiography prior to amputation. Tanzer TL, et al. **J Bone Joint Surg [Am]** 1982 Jul;64(6):880–2
Doppler ultrasound in the assessment of amputation level. Creaney MG, et al. **J R Coll Surg Edinb** 1981 Sep; 26(5):278–81
Surgical treatment of renovascular disease in the solitary kidney: results in 43 cases. Askari A, et al. **J Urol** 1982 Jan;127(1):20–2
Peripheral arterial disease. **Major Probl Clin Surg** 1981; 4:1–504
Alternate routes for bypass grafts. Gaspar MR. **Major Probl Clin Surg** 1981;4:315–29 (65 ref.)
Femoral-popliteal-tibial reconstruction. Gaspar MR. **Major Probl Clin Surg** 1981;4:271–314 (165 ref.)
Complications of arterial surgery. Gaspar MR. **Major Probl Clin Surg** 1981;4:469–87
Arterial trauma. Gaspar MR. **Major Probl Clin Surg** 1981; 4:124–57 (168 ref.)
Aortoiliac and aortoiliofemoral reconstruction. Gaspar MR. **Major Probl Clin Surg** 1981;4:228–70 (111 ref.)
Basic techniques in arterial surgery. Gaspar MR, et al. **Major Probl Clin Surg** 1981;4:103–23 (41 ref.)
Vascular access for hemodialysis. Rosental JJ. **Major Probl Clin Surg** 1981;4:455–68
Distal pancreatectomy for spontaneous rupture of the splenic artery. Porter JM, et al. **Postgrad Med J** 1981 Oct; 57(672):671–3
The management of healing problems in the dysvascular amputee. Horne G, et al. **Prosthet Orthot Int** 1982 Apr; 6(1):38–40
Symposium on selected problems in venous and arterial disease. **Surg Clin North Am** 1982 Jun;62(3):343–555
Management of vascular disease of the upper extremity. Whelan TJ Jr. **Surg Clin North Am** 1982 Jun;62(3):373–89
Value of routine vascular laboratory studies to identify vein graft stenosis. Berkowitz HD, et al. **Surgery** 1981 Dec; 90(6):971–9
[Acute vascular surgical situations] Müller-Wiefel H. **Langenbecks Arch Chir** 1981;355:373–7 (Eng. Abstr.) **(Ger)**
[Indication for surgery in venous diseases] Bonk K. **Med Welt** 1982 Apr 23;33(16):599–600 **(Ger)**
[Arterial vascular prostheses. Development and current use] Pancrazio F, et al. **Minerva Cardioangiol** 1981 Jun; 29(6):281–8 (Eng. Abstr.) **(Ita)**
[Treatment of posttraumatic pulsatile hematomas of the major vessels] Kniazev MD, et al. **Khirurgiia (Mosk)** 1982 Feb; (2):20–3 (Eng. Abstr.) **(Rus)**
[Emergency surgery of complications in angiology] Avgust VK, et al. **Vestn Khir** 1982 Apr;128(4):66–71 **(Rus)**

THERAPY

Percutaneous puncture of venous bypass grafts for transluminal angioplasty. Zajko AB, et al. **AJR** 1981 Oct; 137(4):799–802
Hemodilution in retinal hypoperfusion. Wiederholt M. **Bibl Haematologica** 1981;47:185–91
Chemical and operative lumbar sympathectomy. Moore PJ, et al. **Br J Clin Pract** 1981 Jun;35(6):233–4, 237
Claims about compression treatment for venous disease [letter] Fentem PH. **Br Med J [Clin Res]** 1982 Jul 3; 285(6334):61
Balloon angioplasty in the treatment of peripheral vascular disease. Roberts B. **J Cardiovasc Surg (Torino)** 1982 May-Jun;23(3):225–8
Epidural stimulation for vascular disease of extremities [letter] Cook AW. **J Neurosurg** 1981 Oct;55(4):664
Percutaneous transluminal angioplasty in peripheral vascular disease. Paskin LS. **Radiography** 1982 Jul;48(571):129–33
[Cockett's synechiae. Report on 31 cases (author's transl)] Chevalier JM, et al. **J Mal Vasc** 1982;7(2):111–9 (Eng. Abstr.) **(Fre)**
[Thaumaturgical saints in phlebology in the Department of La Manche] Blin G. **Phlebologie** 1981 Oct-Dec; 34(4):607–15 (Eng. Abstr.) **(Fre)**
[Therapy of venous diseases. Conservative and preventive measures] Schmidtke I. **Med Welt** 1982 Apr 23;33(16):601–3 **(Ger)**
[Compression bandages - mode of action and indications (author's transl)] Lofferer O. **Z Hautkr** 1982 May 1; 57(9):633–42 (Eng. Abstr.) **(Ger)**

VETERINARY

Occlusion of the digital arteries — A model for pathogenesis of navicular disease. Fricker C, et al. **Equine Vet J** 1982 Jul;14(3):203–7

VASCULAR HEADACHE

[Erythroprosopalgia. Review including 224 own observations] Maendly R, et al. **Dtsch Med Wochenschr** 1982 Feb 5;107(5):186–91 **(Ger)**

BLOOD

Plasma testosterone levels in patients with cluster headache. Klimek A. **Headache** 1982 Jul;22(4):162–4

[Thyrotropic and thyroid hormone (T3 and T4) content in Horton' s headache patients] Klimek A, et al. **Neurol Neurochir Pol** 1981 Sep–Dec;15(5–6):569–73 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

[Vascular neuralgia of the face] Scheyvaerts M, et al. **Rev Med Liege** 1981 Apr 1;36(7):261–7 **(Fre)**

DIAGNOSIS

Cluster headache in one year old infant? Terzano MG, et al. **Headache** 1981 Nov;21(6):255–6

Cluster headaches in childhood. Curless RG. **J Pediatr** 1982 Sep;101(3):393–5

[Headaches of vascular origin in children (review of the literature)] Zardalishvili VSh. **Zh Nevropatol Psikhiatr** 1981;81(10):1561–4 (64 ref.) **(Rus)**

DRUG THERAPY

Cocaine as an abortive agent in cluster headache. Barré F. **Headache** 1982 Mar;22(2):69–73

The effect of infused prostacyclin in migraine and cluster headache. Peatfield RC, et al. **Headache** 1981 Sep; 21(5):190–5

Lithium carbonate in chronic cluster headache assessment of therapeutic efficacy and possible mechanisms of action. Manzoni GC, et al. **Ital J Neurol Sci** 1980 Jun;1(3):149–53

Treatment of migraine and cluster headache. Peatfield RC, et al. **Practitioner** 1981 Sep;225(1359):1321–5

[Treatment of cluster headache (author's transl)] Pfaffenrath V, et al. **MMW** 1982 Mar 26;124(12):293–6 (23 ref.) (Eng. Abstr.) **(Ger)**

[Double-blind study of tiapride and placebo in patients with subcontinuous essential headache] Cerbo R, et al. **Riv Neurol** 1982 Jan–Feb;52(1):51–64 (Eng. Abstr.) **(Ita)**

[Clinical trial of suloctidil (sulocton) for the treatment of migraine (preliminary report)] Prusiński A. **Neurol Neurochir Pol** 1981 May–Jun;15(3):309–11 (Eng. Abstr.) **(Pol)**

[The effect of Ditamin on vascular headache and associated neurovascular disorders] Jovičić A, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):32–6 **(Scr)**

ETIOLOGY

Vascular headache in pregnancy. Weinberger J, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):842–3

Pheochromocytoma: paroxysmal hypertensive headaches. Bridgwater GR, et al. **Headache** 1982 Mar;22(2):84–5

Arteriovenous malformation of the brain presenting as a cluster headache—a case report. Mani S, et al. **Headache** 1982 Jul;22(4):184–5

METABOLISM

A putative 5-HT central feedback in migraine and cluster headache attacks. Salmon S, et al. **Adv Neurol** 1982; 33:265–74

PATHOLOGY

Further observations on the mast cells over the painful region in cluster headache patients. Liberski PP, et al. **Headache** 1982 May;22(3):115–7

PHYSIOPATHOLOGY

Cluster headache variant. Spectrum of a new headache syndrome. Medina JL, et al. **Arch Neurol** 1981 Nov; 38(11):705–9

Cluster headache in women: evidence of hypofertility(?) Headaches in relation to menstruation and pregnancy. Ekbom K, et al. **Cephalalgia** 1981 Sep;1(3):167–74

Clues in the tempos of cluster headache. Kunkle EC. **Headache** 1982 Jul;22(4):158–61

Clinical conferences at the Johns Hopkins Hospital: cluster headache. Sholar PW, et al. **Johns Hopkins Med J** 1982 Jun;150(6):246–50

PREVENTION & CONTROL

[Use of propranolol in the treatment of migraine] Klimek A, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):75–8 (Eng. Abstr.) **(Rus)**

SURGERY

For cluster headaches: cryosurgery. Chadduck WM, et al. **Va Med** 1981 Sep;108(9):622–4

THERAPY

Cluster headache and sphenopalatine block. Devoghel JC. **Acta Anaesthesiol Belg** 1981;32(1):101–7

VASCULAR RESISTANCE

Increase in stenotic resistance following a brief coronary occlusion in the anesthetized open-chest dog. Saito D, et al. **Acta Med Okayama** 1982 Jun;36(3):199–205

Flow resistance of the interlobular artery in the rat kidney. Boknam L, et al. **Acta Physiol Scand** 1981 Feb; 111(2):159–63

Duration of increase in vascular volume during venous stasis. Sejrsen P, et al. **Acta Physiol Scand** 1981 Mar;111(3):293–8

Competition between intrinsic and extrinsic controls of resistance vessels of major vascular beds during hemorrhagic hypotension and shock. Green HD, et al. **Adv Shock Res** 1980;3:77–104

The injury-spasm (ischemia-induced hemostatic vasoconstrictive) and vascular autoregulatory hypothesis of ischemic disease. Resistance vessel-spasm hypothesis of ischemic disease. Hellstrom HR. **Am J Cardiol** 1982 Mar; 49(4):802–10

Reflex control of canine hindlimb resistance under different modes of perfusion. Cox RH, et al. **Am J Physiol** 1981 Dec;241(6):H789–94

Effects of blood volume changes on characteristic impedance of the pulmonary artery. Dujardin JP, et al. **Am J Physiol** 1982 Feb;242(2):H197–202

Segmental renal vascular resistance in the spontaneously hypertensive rat. Hsu CH, et al. **Am J Physiol** 1982 Jun; 242(6):H961–6

Effect of tilting on adipose tissue vascular resistance and sympathetic activity in humans. Linde B, et al. **Am J Physiol** 1982 Feb;242(2):H161–7

Does normal pulmonary impedance constitute the optimum load for the right ventricle? Piene H, et al. **Am J Physiol** 1982 Feb;242(2):H154–60

Synergistic effects of pressure, distal resistance, and vasoconstriction on stenosis. Santamore WP, et al. **Am J Physiol** 1982 Aug;243(2):H236–42

Effect of altered resistive load on left ventricular systolic mechanics in dogs. Prewitt RM, et al. **Anesthesiology** 1982 Mar;56(3):195–202

The carotid sinus-blood pressure reflex in conscious rabbits: the relative importance of changes in cardiac output and peripheral resistance. Faris IB, et al. **Aust J Exp Biol Med Sci** 1981 Jun;59(Pt 3):335–41

Reactivity of isolated digital arteries in hypertension. Moulds RF. **Aust NZ J Med** 1981 Jun;11(3):246–51

Segmental metabolic responses of the canine coronary circulation. Fuchs M, et al. **Basic Res Cardiol** 1981 Jul–Aug;76(4):421–5

Transmural adenosine with increased cardiac work. McKenzie JE, et al. **Basic Res Cardiol** 1981 Jul–Aug; 76(4):372–o

Wall-shear-stress relaxation due to the compliant motion of arterial walls. Matunobu Y, et al. **Biorheology** 1982; 19(1/2):155–63

Determinants of systemic vascular resistance in children with congenital heart disease. Morrison GW, et al. **Cardiovasc Res** 1981 May;15(5):245–53

Critical closure in the canine pulmonary vasculature. Graham R, et al. **Circ Res** 1982 Apr;50(4):566–72

Differential baroreflex control of heart rate and vascular resistance in rabbits. Relative role of carotid, aortic, and cardiopulmonary baroreceptors. Guo GB, et al. **Circ Res** 1982 Apr;50(4):554–65

Contribution of thromboxane to renal resistance changes in the isolated perfused hydronephrotic rabbit kidney. Kawasaki A, et al. **Circ Res** 1982 Apr;50(4):486–90

Limited maximal vasodilator capacity of forearm resistance vessels in normotensive young men with a familial predisposition to hypertension. Takeshita A, et al. **Circ Res** 1982 May;50(5):671–7

Vascular pressure-flow analysis in normal and hypoxemic spontaneously hypertensive rats. Walsh GM, et al. **Clin Exp Hypertens [A]** 1982;4(3):445–60

On the relationship between cardiac output and peripheral arterial resistance. Boyd GW, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):469–72

Blood flow resistance in the hand after coarctectomy. Hanson E, et al. **Clin Physiol** 1981 Jun;1(3):257–62

Contribution of stenosis resistance to the rise in total peripheral resistance during experimental renal hypertension in conscious dogs. Anderson WP, et al. **Clin Sci** 1981 Dec;61(6):663–70

Extent of structurally reduced venous distensibility in rats. Nilsson H, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):125s–128s

Time-course of vascular resistance changes in mineralocorticoid hypertension of man. Wenting GJ, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):97s–100s

Normal pulmonary vascular resistance during acute respiratory insufficiency. Gallagher TJ, et al. **Crit Care Med** 1981 Sep;9(9):647–50

Pulmonary vascular resistance in acute respiratory failure [letter] Zapol M. **Crit Care Med** 1982 Aug;10(8):554–5

Decreased arteriovenous flow resistance in the left gastric venous area in cirrhotic patients. Koyanagi N, et al. **Eur J Clin Invest** 1981 Oct;11(5):355–9

Physiological regulation of the hepatic circulation. Richardson PD. **Fed Proc** 1982 Apr;41(6):2111–6

Arterial compliance, systolic pressure and heart rate in elderly women at rest and on exercise. Sebban C, et al. **Gerontology** 1981;27(5):271–80

Augmentation of cardiopulmonary baroreflex control of forearm vascular resistance in borderline hypertension. Mark AL, et al. **Hypertension** 1982 Jan–Feb;4(1):39–46

Myosin phosphorylation and crossbridge regulation in arterial smooth muscle. State-or-the-art review. Murphy RA. **Hypertension** 1982 May–Jun;4(3 Pt 2):3–7

Microvascular blood flow in the normotensive and spontaneously hypertensive rat. Roy JW, et al. **Hypertension** 1982 Mar–Apr;4(2):264–71

Sympathetic system function and vascular reactivity in hypercalcemic patients. Vlachakis ND, et al. **Hypertension** 1982 May–Jun;4(3):452–8

Micropressure-flow relationships in a skeletal muscle of spontaneously hypertensive rats. Zweifach BW, et al. **Hypertension** 1981 Sep–Oct;3(5):601–14

Relationship between regional lung volume and regional pulmonary vascular resistance. Baile EM, et al. **J Appl Physiol** 1982 Apr;52(4):914–20

Pulmonary vascular tone improves VA/Q matching in obliterative pulmonary hypertension. Dantzker DR, et al. **J Appl Physiol** 1981 Sep;51(3):607–13

Partitioning of pulmonary vascular resistance in dogs by arterial and venous occlusion. Hakim TS, et al. **J Appl Physiol** 1982 Mar;52(3):710–5

Forearm vascular resistance in the upper and lower quintiles of blood pressure in adolescent boys: The Muscatine Study. Mahoney LT, et al. **Pediatr Res** 1982 Feb;16(2):163–5

Diameter versus number in diameter of vessel resistance. Saari JT, et al. **Physiologist** 1981 Dec;24(6):51–2

Correlation between plasma sodium acetate concentration and systemic vascular resistances. Schohn DC, et al. **Proc Eur Dial Transplant Assoc** 1981;18:160–8

Effect of carotid body hypoxia and/or hypercapnia on pulmonary vascular resistance. Olson NC, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):188–93

Effects of severe hemorrhagic hypotension on the vasculature of the chicken. Ploucha JM, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):160–4

Vascular hemodynamic impedance measurement. Finkelstein SM, et al. **Prog Cardiovasc Dis** 1982 Mar–Apr;24(5):401–18 (56 ref.)

Influence of tocopherol, its chromane compound, phytyl chains and superoxide dismutase on increased vascular resistance and permeability due to arachidonate metabolism in isolated rabbit lung. Seeger W, et al. **Prostaglandins** 1982 Feb;23(2):175–84

Increased pulmonary vascular resistance and permeability due to arachidonate metabolism in isolated rabbit lungs. Seeger W, et al. **Prostaglandins** 1982 Feb;23(2):157–73

Evaluation of cross-circulation through circle of Willis using an ultrasonic Doppler technique. Part II. Comparison between blood flow velocity by ultrasonic Doppler flowmetry and cerebrovascular resistance. Yoneda S, et al. **Stroke** 1981 Jul–Aug;12(4):484–8

Cardiac output, vascular resistance and catecholamine release in hemorrhaged anephric dogs. Badder EM, et al. **Trans Am Soc Artif Intern Organs** 1981;27:330–5

Increased pulmonary vascular resistance during liquid ventilation. Lowe CA, et al. **Undersea Biomed Res** 1981 Dec;8(4):229–38

[A method of constant-rate perfusion for studying the renal vascular resistance of rats (author's transl)] Tang XL, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep;2(3):166–9 (Eng. Abstr.) **(Chi)**

[Causes of increases in pulmonary vascular resistance in mitral stenosis] Widimský J. **Cesk Fysiol** 1981;30(2):149–56 **(Cze)**

[Per-operative blood flow measurement, complement to arteriography. Control and prognostic appreciation method (author's transl)] Nicaise H, et al. **J Mal Vasc** 1981; 6(2):101–5 (Eng. Abstr.) **(Fre)**

[Increase of pulmonary vascular resistance and permeability due to the metabolism of free arachidonic acid (author's transl)] Seeger W, et al. **Klin Wochenschr** 1981 May 4; 59(9):459–61 (Eng. Abstr.) **(Ger)**

[Measurement of aortic input impedance in children with a catheter-tip electromagnetic velocity probe (author's transl)] Matsumoto H, et al. **Kokyu To Junkan** 1982 Mar; 30(3):283–8 **(Jpn)**

[Characteristics of vascular resistance in arterial hypertension] Chlebus H, et al. **Kardiol Pol** 1981; 24(10):695–702 (Eng. Abstr.) **(Pol)**

[Measurements of peripheral vascular resistance in pregnancy, labor and puerperium] Gielwanowski W. **Wiad Lek** 1982 May 1;35(3–4):191–6 (Eng. Abstr.) **(Pol)**

[Structural and functional changes in the resistant vessels and their hemodynamic significance in hypertension] Usubaliev NN. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1982;5(1):92–8 (101 ref.) **(Rus)**

[Interrelation of the circadian and circannian rhythms of cardiac contractile function and vascular tonus indices] Frolov VA, et al. **Dokl Akad Nauk SSSR** 1982;263(3):753–6 **(Rus)**

[Pulmonary vascular resistance as a factor limiting the duration of functioning of a heart-lung preparation] Barinov EF, et al. **Fiziol Zh** 1982 May;28(3):310–6 (Eng. Abstr.) **(Rus)**

[Sympathetic tonus of the cerebral vessels] Balueva TV, et al. **Fiziol Zh SSSR** 1982 May;68(5):596–600 (Eng. Abstr.) **(Rus)**

[Mechanism of the increase in peripheral vascular resistance in hypertension] Shkhvatsabaia IK, et al. **Kardiologiia** 1981

Aug;21(8):103-7 (Eng. Abstr.) **(Rus)**

[Effect of changes in CO2 and O2 tension in circulating blood on coronary vascular resistance and myocardial oxygen consumption in the biological preservation of the heart] Barinov EF. **Patol Fiziol Eksp Ter** 1981 Jul-Aug;(4):54-7 (Eng. Abstr.) **(Rus)**

[Characteristics of vascular tonus and tissue disorders for assessing the severity and therapy of hypertensive crises] Pokalev GM, et al. **Sov Med** 1981;(4):14-8 (Eng. Abstr.) **(Rus)**

[Thromboresistance of vascular wall, atherogenesis, and humoral factors of thrombogenesis] Barkagan ES, et al. **Ter Arkh** 1981;53(9):71-8 (Eng. Abstr.) **(Rus)**

[Visual angiotensiometry in emergency and planned abdominal surgery] Eriukhin IA, et al. **Voen Med Zh** 1982 Mar;(3):52-4 **(Rus)**

DRUG EFFECTS

Effect of aligeron on the resistance of the cerebral and peripheral blood vessels. Nikolov R, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):54-9

Beta-adrenergic control of peripheral vascular resistance during increased sympatho-adrenal activity. Lundvall J, et al. **Acta Physiol Scand** 1981 May;112(1):101-3

Leukotriene D4: a potent vasoconstrictor of the pulmonary and systemic circulations in the newborn lamb. Yokochi K, et al. **Adv Prostaglandin Thromboxane Leukotriene Res** 1982; 9:211-4

Effects of angiotensin-converting enzyme inhibitors on the vascular response to norepinephrine. Saruta T, et al. **Am J Cardiol** 1982 Apr 21;49(6):1535-6

Reflex cardiovascular depression induced by capsaicin injection into canine liver. Ashton JH, et al. **Am J Physiol** 1982 Jun;242(6):H955-60

Salt loading augments vascular responses to indomethacin in stroke-prone SHR. Imaizumi T, et al. **Am J Physiol** 1982 Sep;243(3):H360-4

Pulmonary vascular responses to nitrous oxide in patients with normal and high pulmonary vascular resistance. Schulte-Sasse U, et al. **Anesthesiology** 1982 Jul;57(1):9-13

Effect of flunarizine on canine cerebral cortical blood flow and vascular resistance post cardiac arrest. White BC, et al. **Ann Emerg Med** 1982 Mar;11(3):119-26

Comparison of effects of prostaglandin E1 and nitroprusside on pulmonary vascular resistance in children after open-heart surgery. Rubis LJ, et al. **Ann Thorac Surg** 1981 Dec;32(6):563-70

Midazolam versus diazepam: different effects on systemic vascular resistance. A randomized study utilizing cardiopulmonary bypass constant flow. Samuelson PN, et al. **Arzneimittelforsch** 1981;31(12a):2268-9

Functional and morphological properties of human omental resistance vessels. Aalkjaer C, et al. **Blood Vessels** 1981; 18(6):233-44

Effects of kainic acid applied to the ventral surface of the medulla oblongata on vasomotor tone, the baroreceptor reflex and hypothalamic autonomic responses. McAllen RM, et al. **Brain Res** 1982 Apr 22;238(1):65-76

Cardiovascular effects of chronic intraventricular administration of angiotensin II in dogs. Buckley JP, et al. **Clin Exp Hypertens** 1981;3(5):1001-18

Evidence that the increased calcium sensitivity of resistance vessels in spontaneously hypertensive rats is an intrinsic defect of their vascular smooth muscle. Mulvany MJ, et al. **Clin Exp Hypertens** 1981;3(4):749-61

Effect of intra-arterially induced alpha-receptor blockade upon resistance in collateral arteries in patients with occlusion of the superficial femoral artery. Agerskov K, et al. **Clin Physiol** 1981 Aug;1(4):385-93

Chemical denervation does not affect the medial hypertrophy and increased calcium sensitivity of mesenteric resistance vessels from spontaneously hypertensive rats. Mulvany MJ, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):61s-63s

Vasopressin-induced increase in total peripheral resistance in deoxycorticosterone acetate hypertensive rats is buffered by the baroreceptor reflex. Rascher W, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):153s-156s

Decreased vascular responsiveness produced by angiotensin-converting enzyme inhibitors in the rat isolated kidney. Chiba S, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):80-5

Vascular actions of synthetic PAF-acether (a synthetic platelet-activating factor) in the rat: evidence for a platelet independent mechanism. Sánchez-Crespo M, et al. **Immunopharmacology** 1982 Apr;4(2):173-85

Pulmonary pressor response after prostaglandin synthesis inhibition in conscious dogs. Walker BR, et al. **J Appl Physiol** 1982 Mar;52(3):705-9

Effects of prazosin and phenoxybenzamine on alpha- and beta-receptor-mediated responses in intestinal resistance and capacitance vessels. Patel P, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):1050-9

Effect of ouabain on total vascular capacity in the dog. Goldman MR, et al. **J Clin Invest** 1982 Jan;69(1):175-84

Effects of adenosine and its analogues on the perfused hind limb artery and vein of anaesthetized dogs. Cotterrell D, et al. **J Physiol (Lond)** 1982 Feb;323:473-82

Reduction of systemic vascular resistance by competitive alpha adrenergic blockage with thymoxamine after cardiopulmonary bypass for cardiac operations. Cottrell AJ, et al. **J Thorac Cardiovasc Surg** 1981 Oct;82(4):632-7

Adverse effect of hydralazine in patients with primary pulmonary hypertension. Kronzon I, et al. **JAMA** 1982 Jun 11;247(22):3112-4

The role of endogenous prostanoids in the response of the rat gastric microcirculation to vasoactive agents. Guth PH, et al. **Microvasc Res** 1982 May;23(3):336-46

The possible role of acetate in exercise hyperemia in dog skeletal muscle. Steffen RP, et al. **Pflugers Arch** 1982 Feb; 392(4):315-21

Opposition of the vasopressin-induced vasoconstriction in the isolated perfused rat kidney by some prostaglandins. Pace-Asciak CR, et al. **Prostaglandins** 1981 Oct; 22(4):567-74

The actions of prostaglandins and cyclo-oxygenase inhibition on the resistance vessels supplying the human fetal placenta. Tulenko TN. **Prostaglandins** 1981 Jun;21(6):1033-43

Dissociation of vascular resistance with endocrine pancreas secretion: the effects of epoxymethano analogs of PGH2. Akpan JO, et al. **Prostaglandins Med** 1981 Dec;7(6):473-81

Response of the soft tissue microcirculation to prostacyclin infusion. Demling RH, et al. **Prostaglandins Med** 1981 Dec; 7(6):489-98

Comparative studies on the hemodynamic effects of prostaglandin E1 prostacyclin, and tolazoline upon elevated pulmonary vascular resistance in neonatal swine. Starling MB, et al. **Prostaglandins Med** 1981 Nov;7(5):349-61

Influence of norepinephrine on vessel geometry of the intact femoral artery in juvenile insulin-dependent diabetics--evidence of early diabetic angiopathy in central arteries. Treese N, et al. **Z Kardiol** 1982 Jan;71(1):60-4

[Malignant arterial hypertension in scleroderma. Beneficial effects of captopril on pulmonary and systemic vascular resistance (letter)] Bonnet F, et al. **Nouv Presse Med** 1982 May 1;11(20):1570-1 **(Fre)**

[Evaluation of venotropic drugs by venous gas plethysmography. A study of procyanidolic oligomers (author's transl)] Royer RJ, et al. **Sem Hop Paris** 1981 Dec 18-25;57(47-48):2009-13 (Eng. Abstr.) **(Fre)**

[Effect of a drug combination on venous capacity] Rudofsky G, et al. **Fortschr Med** 1982 Jul 1;100(25):1217-20 (Eng. Abstr.) **(Ger)**

[The antioxidative chromane structure of alpha-tocopherol protects against the consequences of arachidonic acid release in the pulmonary vascular bed (author's transl)] Wolf H, et al. **Klin Wochenschr** 1981 May 4;59(9):463-5 (Eng. Abstr.) **(Ger)**

[Cardiac and peripheral vascular effects of the volatile inhalational anaesthetic enflurane in chronically instrumented dogs (author's transl)] Mayrhofer O, et al. **Wien Klin Wochenschr** 1982 Apr 2;94(7):178-81 (Eng. Abstr.) **(Ger)**

[Effect of the acid-base status on circulatory stability during acetate and bicarbonate hemodialysis] Hampl H. **Z Urol Nephrol** 1981 Aug;74(8):583-96 (Eng. Abstr.) **(Ger)**

[Effects of Bitis gabonica venom on heart dynamics and circulatory resistance in the rabbit] Cevese A. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):520-6 (Eng. Abstr.) **(Ita)**

[Effect of phenoxybenzamine and verapamil on the increase of coronary resistance induced with ergometrine (ergonovine)] Raddino R, et al. **Boll Soc Ital Cardiol** 1980; 25(5):513-20 (Eng. Abstr.) **(Ita)**

[Effect of strophanthin and celanide on the tonus of the cerebral and peripheral vessels] Chan KT, et al. **Farmakol Toksikol** 1982 Jan-Feb;45(1):36-9 (Eng. Abstr.) **(Rus)**

[Effect of clofeline and apressin on systemic arterial pressure and the tone of cerebral and peripheral vessels] Sankina ZhV, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):181-4 (Eng. Abstr.) **(Rus)**

[Effect of adrenoreceptor blockade and stimulation on the resistance and capacitance of intestinal vessels] Cherniavskaia GV, et al. **Fiziol Zh SSSR** 1982 May; 68(5):601-9 (Eng. Abstr.) **(Rus)**

[Effect of acetylcholine on gastric secretory function and its vascular tonus] Skliarov AIa. **Fiziol Zh SSSR** 1982 Jan; 68(1):90-9 (Eng. Abstr.) **(Rus)**

VASCULAR SURGERY

Digital subtraction angiography of peripheral vascular bypass procedures. Pond GD, et al. **AJR** 1982 Feb;138(2):279-81

Vascular problems associated with carotid body tumors. Rosen IB, et al. **Am J Surg** 1981 Oct;142(4):459-63

Perioperative heparin prophylaxis of deep venous thrombosis in patients with peripheral vascular disease. Spebar MJ, et al. **Am J Surg** 1981 Dec;142(6):649-50

Autologous blood retrieval in thoracic, cardiovascular, and orthopedic surgery. Young JN, et al. **Am J Surg** 1982 Jul; 144(1):48-52

Peritoneal venous shunting for ascites: a 15-year perspective. Hyde GL, et al. **Am Surg** 1982 Mar;48(3):123-7

Extra-anatomic bypass: review of 60 cases using PTFE grafts. Pradhan DJ, et al. **Am Surg** 1982 Jun;48(6):258-60

Treatment of chylous ascites with peritoneo-venous shunt. Ryan JA Jr, et al. **Am Surg** 1981 Sep;47(9):384-6

The anaesthetic and perioperative management of the patient undergoing insertion of a peritoneo-venous shunt. Bettenay DA, et al. **Anaesth Intensive Care** 1982 May;10(2):108-12

The craft of surgery. The anastomosis workshop, March 1981. **Ann R Coll Surg Engl** 1981 Nov;63(6):405-10

The emerging role of epidural anesthesia in arteriography and in vascular operations. Fuchs JC, et al. **Ann Surg** 1982 Jun;195(6):781-5

Certification of peripheral vascular surgeons [editorial] Julian OC. **Ann Thorac Surg** 1982 Feb;33(2):114-5

Thoracic surgeons and vascular surgery. Spencer FC. **Ann Thorac Surg** 1982 Feb;33(2):107-13

Peritoneovenous shunt for refractory ascites: operative complications and long-term results. Bernhoft RA, et al. **Arch Surg** 1982 May;117(5):631-5

Peritoneovenous shunt for hydrothorax associated with ascites. Hobbs CL, et al. **Arch Surg** 1982 Sep;117(9):1233-4

Ultrasonic imaging during vascular surgery. Sigel B, et al. **Arch Surg** 1982 Jun;117(6):764-7

Peritoneo-venous shunts for malignant ascites. Gough IR. **Aust NZ J Surg** 1982 Feb;52(1):47-9

Demography of arterial surgery in New South Wales. Hill DA, et al. **Aust NZ J Surg** 1981 Dec;51(6):552-5

The intraperitoneal use of Technetium Sulphur Colloid. Bolitho LE, et al. **Australas Radiol** 1981 Jul;25(2):159-61

A world survey of anticoagulation practice in clinical microvascular surgery. Davies DM. **Br J Plast Surg** 1982 Jan;35(1):96-9

Hematogenous infection of peritoneovenous shunts after dental procedures. Gilas T, et al. **Can J Surg** 1982 Mar; 25(2):215-6

Selection of patients with malignant ascites for a peritoneovenous shunt. Cheung DK, et al. **Cancer** 1982 Sep 15;50(6):1204-9

Peritoneovenous shunt for palliation of malignant ascites. Qazi R, et al. **Cancer** 1982 Feb 1;49(3):600-2

Cranial nerve vascular compression syndromes (other than tic douloureux and hemifacial spasm). Jannetta PJ. **Clin Neurosurg** 1981;28:445-56

Peritoneovenous shunt in the management of ascites and the hepatorenal syndrome. Epstein M. **Gastroenterology** 1982 Apr;82(4):790-9 (72 ref.)

Iatrogenic vascular lesions. Pietri P, et al. **Int Surg** 1981 Jul-Sep;66(3):213-6

A method for quantitative analysis of lumen changes in microvascular anastomoses. Cook AF, et al. **J Microsurg** 1981 Fall;3(1):54-5

Preserved arterial grafts in microvascular surgery. Cruz NI, et al. **J Microsurg** 1981 Jun;2(4):250-2

Continuous-suture technique in microvascular end-to-end anastomosis. Man D, et al. **J Microsurg** 1981 Jun; 2(4):238-43

Technical notes on long-term vascular access for more than 12 months in conscious dogs. Hai NP. **J Pharmacol Methods** 1982 Jan;7(1):57-64

The peritoneo-venous (Le Veen) shunt for intractable abdominal ascites: report of two cases. Tabibi M, et al. **JAOA** 1981 Oct;81(2):116-22

Noninvasive flowmetry in vascular surgery: use of a noninvasive electromagnetic flowmeter. Lee BY, et al. **Jpn J Surg** 1981;11(4):219-25

Vascular access for hemodialysis. Rosental JJ. **Major Probl Clin Surg** 1981;4:455-68

The normal healing process of microvascular anastomoses. Lidman D, et al. **Scand J Plast Reconstr Surg** 1981; 15(2):103-10

Hemodynamic improvement after peritoneovenous shunting in nephrogenic ascites. Morgan AG, et al. **South Med J** 1982 Mar;75(3):373-4

Level of amputation after failure of limb salvage procedures. Samson RH, et al. **Surg Gynecol Obstet** 1982 Jan; 154(1):56-8

The natural history of asymptomatic carotid disease in patients undergoing cardiovascular surgery. Barnes RW, et al. **Surgery** 1981 Dec;90(6):1075-83

Intraoperative anticoagulation in cardiovascular surgery. Effeney DJ, et al. **Surgery** 1981 Dec;90(6):1068-74

Microvascular surgery and diseased vessels. van Gelder PA, et al. **Surgery** 1981 Nov;90(5):860-7

Leveen peritoneal jugular shunt in patients with ascites. Wu CW, et al. **Taiwan I Hsueh Hui Tsa Chih** 1982 Feb; 81(2):232-9

[Peritoneovenous shunt in treating ascites in liver cirrhosis] Topalov I, et al. **Khirurgiia (Sofiia)** 1982;35(1):89-94 (Eng. Abstr.) **(Bul)**

[Determination of patency of surgical shunts by radionuclide scanning (author's transl)] Liu YC. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):752-3 (Eng. Abstr.) **(Chi)**

[The significance of the ultrasound method for the monitoring of patients after reconstructive vascular operations (author's transl)] Bartoš J, et al. **Cas Lek Cesk** 1981;120(50):1521-7 (Eng. Abstr.) **(Cze)**

[Importance of peroperative angiography in reconstructive vascular surgery of the lower extremities (author's transl)] Skotnicová S, et al. **Cesk Radiol** 1981 Sep;35(5):334-8 (Eng. Abstr.) **(Cze)**

[Experience with a new type of vascular prosthesis 'Microfroté', made in Czechoslovakia] Silhart Z, et al. **Rozhl Chir** 1981 Oct;60(10):705-9 (Eng. Abstr.) **(Cze)**

[LeVeen's peritoneojugular shunt for the treatment of ascites] Ouwendijk RJ, et al. **Ned Tijdschr Geneeskd** 1982 May 22;126(21):940-4 (Eng. Abstr.) **(Dut)**

[Effect of peritoneo-venous shunting on blood volumes in cirrhotic patients with intractable ascites. Report on eleven cases (author's transl)] Castro e Sousa F, et al. **Ann Chir** 1981 Sep;35(7):461-4 (Eng. Abstr.) **(Fre)**

[Peritoneo–jugular shunt for irreducible ascites in the cirrhotic patient] Bismuth H, et al. **Nouv Presse Med** 1981 Sep 19;10(33):2707–9 **(Fre)**

[Peritoneojugular shunt and Salmonella typhimurium infection of the ascitic fluid (letter)] Latrive JP, et al. **Nouv Presse Med** 1982 Mar 20;11(13):1010–1 **(Fre)**

[Irreducible ascites in cirrhotic patients. Results of peritoneo–jugular shunt in 16 patients (author's transl)] Paliard P, et al. **Nouv Presse Med** 1981 Sep 19; 10(33):2715–8 (Eng. Abstr.) **(Fre)**

[Physical characteristics of sutures used in vascular surgery] Guidoin R, et al. **Union Med Can** 1982 Mar;111(3):234–44 (Eng. Abstr.) **(Fre)**

[Microsurgery in the USA] D'Arienzo M. **Arch Putti Chir Organi Mov** 1980;30:439–42 **(Ita)**

[The Le Veen peritoneovenous shunt: presentation of 5 cases] Arcerito S, et al. **Chir Ital** 1981 Aug;33(4):878–91 **(Ita)**

[A new surgical instrument for subaponeurotic interruption of communicating veins] Petrilli GL. **Chir Ital** 1982 Feb; 34(1):86–90 **(Ita)**

[Experimental microvascular anastomosis: technical notes] Salpietro F, et al. **Chir Patol Sper** 1980 Feb;28(1):8–17 (Eng. Abstr.) **(Ita)**

[Cardiovascular effects of a new anesthesiological method. Hyperanalgesia with tilidine] Arienta R, et al. **Minerva Anestesiol** 1981 Aug;47(8):511–7 **(Ita)**

[Vasodilators in vascular surgery] Raso AM, et al. **Minerva Cardioangiol** 1982 Jan–Feb;30(1–2):15–20 (Eng. Abstr.) **(Ita)**

[LeVeen's peritoneo–jugular shunt in the surgical treatment of refractory ascites. Apropos of 11 cases] Leggeri A, et al. **Minerva Chir** 1982 Feb 28;37(4):285–91 **(Ita)**

[Use of a peritoneovenous shunt in treating intractable ascites] Torre GC, et al. **Minerva Chir** 1981 Nov 30;36(22):1541–5 (Eng. Abstr.) **(Ita)**

[Comparative evaluation of the effects of a peritoneo–venous shunt and of concentration–reinfusion on the survival of cirrhotic subjects with 'intractable' ascites] Torre GC, et al. **Minerva Med** 1982 Jun 30;73(27):1871–5 (Eng. Abstr.) **(Ita)**

[The continuous peritoneo–jugular shunt (Le Veen's valve) in the treatment of refractory ascites. Personal experience] Rocca F, et al. **Recenti Prog Med** 1981 Oct;71(4):420–36 (Eng. Abstr.) **(Ita)**

[Emergency vascular surgery: problems and tasks] Avgust VK, et al. **Vestn Khir** 1981 Sep;127(9):128–31 (Eng. Abstr.) **(Rus)**

[Lymphographic changes at some reconstructive procedures on vessels of the lower extremities (author's transl)] Kutarňa A, et al. **Bratisl Lek Listy** 1981 Oct;76(4):496–507 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Fatal air embolism following perforation of the cecum in a patient with peritoneovenous shunt for ascites. Hirst AE, et al. **Am J Gastroenterol** 1981 Nov;76(5):453–5

The aggregation of human platelets by ascitic fluid: a possible mechanism for disseminated intravascular coagulation complicating LeVeen shunts. Salem HH, et al. **Am J Hematol** 1981 Sep;11(2):153–7

Peritonitis in cirrhotic patients with LeVeen shunts. Wormser GP, et al. **Am J Med** 1981 Sep;71(3):358–62

Acute respiratory distress syndrome after peritoneovenous shunt. Fenster LF, et al. **Am Rev Respir Dis** 1982 Feb; 125(2):244–5

Superior vena caval thrombosis as a complication of peritoneovenous shunt in malignancy. Ruff S, et al. **Am Surg** 1981 Sep;47(9):415–6

Complications of Denver peritoneovenous shunting. Lund RH, et al. **Arch Surg** 1982 Jul;117(7):924–8

Arterial spasm complicating distal vascular bypass procedures. Samson RH, et al. **Arch Surg** 1982 Jul; 117(7):973–5

Coronary sinus perforation from placement of a LeVeen shunt in a child. Shah KH, et al. **Chest** 1982 Aug; 82(2):197–9

Peritoneovenous shunt–induced ventricular tachycardia. Pozen RG, et al. **Crit Care Med** 1982 Jan;10(1):65–6

Ascitic pseudocyst obstructing superior vena cava as a complication of a peritoneo–venous shunt. Unger P, et al. **Gastroenterology** 1981 Dec;81(6):1137–9

Complications of arterial surgery. Gaspar MR. **Major Probl Clin Surg** 1981;4:469–87

Influence of failed vascular bypass procedures on conversion of below–knee to above–knee amputation levels. Dardik H, et al. **Surgery** 1982 Jan;91(1):64–9

Retrospective study of ureteral obstruction following vascular bypass surgery. Kaufman JE, et al. **Urology** 1982 Mar;19(3):278–83

[Experimental study of damage to vascular wall by vascular clips (author's transl)] Zhang NY. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):474–6 (Eng. Abstr.) **(Chi)**

[Early acute pulmonary oedema happening during peritoneovenous by pass (author's transl)] Pierrot M, et al. **Anesth Analg (Paris)** 1982;38(11–12):697–702 (Eng. Abstr.) **(Fre)**

[Isotopic evaluation of clamp–induced damage in vascular surgery (author's transl)] de La Faye D, et al. **J Chir (Paris)** 1982 May;119(5):357–60 **(Fre)**

[Peritoneovenous shunt (Leveen's valve) : need for radiological control of the position of the distal tube during operation (author's transl)] Marrie A, et al. **J Chir (Paris)** 1981 Jul–Aug;118(6–7):425–8 (Eng. Abstr.) **(Fre)**

[Secondary hemorrhages after an operation on the major arteries] Kniazev MD, et al. **Vestn Khir** 1981 Jul; 127(7):47–52 (Eng. Abstr.) **(Rus)**

EDUCATION

Certification of vascular surgeons [letter] Mulder DG. **Ann Thorac Surg** 1982 Mar;33(3):304–5

The organization of a microsurgical unit. Quinlan DK, et al. **S Afr Med J** 1982 Aug 21;62(9):281–4

HISTORY

David M. Hume Memorial Lecture: better early than late. Shumacker HB Jr. **Am J Surg** 1982 Aug;144(2):170–9

A brief history of anesthesia and surgery of the heart and great vessels. Keown KK. **Can Anaesth Soc J** 1982 Jul; 29(4):325–9

INSTRUMENTATION

A new microvascular surgical clip system. Ueba Y, et al. **J Microsurg** 1981 Fall;3(1):28–31

A simple adjustable microvascular clamp with a controllable gentle occlusion mechanism. de Carolis V, et al. **Plast Reconstr Surg** 1982 Jul;70(1):100–3

Use of Denver shunt in recurrent hepatic hydrothorax. Kim JK, et al. **Postgrad Med** 1982 May;71(5):236–7, 240–1

[Modification of the Hegar needle for vascular surgery] Trusheim H. **Chirurg** 1981 Dec;52(12):795–6 **(Ger)**

[Intravascular plastic repair using the universal US–18 vascular suturing apparatus] Petrova NP. **Khirurgiia (Mosk)** 1982 Apr;(4):106–9 **(Rus)**

[Use of electromagnetic flowmetering in cardiovascular surgery] Zaretskiĭ VV, et al. **Khirurgiia (Mosk)** 1982 Apr; (4):102–6 **(Rus)**

[Clamping instruments for cardiovascular surgery] Smirnov BA, et al. **Med Tekh** 1981 Sep–Oct;(5):32–5 **(Rus)**

METHODS

Placement of a LeVeen shunt for ascites: anesthetic considerations. Dodd RP. **AANA J** 1981 Oct;49(5):507–10

Peritoneovenous shunting in patients with malignant ascites. Holman JM Jr, et al. **Am J Surg** 1981 Dec;142(6):774–6

Vein patch venoplasty. A method to increase the diameter of reversed saphenous vein grafts at the proximal anastomosis. Poole GV, et al. **Am J Surg** 1982 Sep; 144(3):365–6

Absorbable suture materials for vascular anastomoses. Tensile strength and axial pressure studies using polyglycolic acid sutures. Ross G, et al. **Am Surg** 1981 Dec;47(12):541–7

Experiences with free flap surgery. Fogdestam I. **Ann Chir Gynaecol** 1982;71(1):38–43

Progress in limb salvage by reconstructive arterial surgery combined with new or improved adjunctive procedures. Veith FJ, et al. **Ann Surg** 1981 Oct;194(4):386–401

Effect of suture technique on arterial anastomotic compliance. Klein SR, et al. **Arch Surg** 1982 Jan;117(1):45–7

An onlay vein patch technique for the repair of small vessels. Jones BM, et al. **Br J Plast Surg** 1981 Oct;34(4):454–7

Vascular microsurgery in orthopaedics. Judet H, et al. **Int Orthop** 1981;5(2):61–8

Microvascular anastomosis by invagination: an experimental study. Stamatopoulos C, et al. **J Cardiovasc Surg (Torino)** 1982 Mar–Apr;23(2):130–4

Microvascular mandibular reconstruction. Donoff RB, et al. **J Oral Maxillofac Surg** 1982 Feb;40(2):122–6

The retroperitoneal approach for peritoneovenous shunting in infants and small children. Altman RP, et al. **J Pediatr Surg** 1981 Dec;16(6):965–6

Microvascular management of multiple renal arteries in transplantation. Brannen GE, et al. **J Urol** 1982 Jul; 128(1):112–5

Basic techniques in arterial surgery. Gaspar MR, et al. **Major Probl Clin Surg** 1981;4:103–23 (41 ref.)

Experimental studies in nonsuture end–to–side microvascular anastomosis. Yamagata S, et al. **Neurol Med Chir (Tokyo)** 1981 Jul;21(7):701–8

Use of a continuous suture for back wall repair of end–to–end or end–to–side anastomoses. Harashina T. **Plast Reconstr Surg** 1982 Jan;69(1):139–44

Blood flow and scanning electron microscope study on venous microvascular anastomoses with Nakayamas apparatus and manual suture. Lidman D, et al. **Scand J Plast Reconstr Surg** 1981;15(2):97–101

Vascular reconstruction in the octogenarian. Edwards WH, et al. **South Med J** 1982 Jun;75(6):648–52

Noncardiac operations combined with coronary artery bypass. Korompai FL, et al. **Surg Clin North Am** 1982 Apr; 62(2):215–24

Double–tongue angioplasty for outflow stenoses. Brown OW, et al. **Surg Gynecol Obstet** 1982 May;154(5):730–1

Extremity salvage utilizing microvascular free tissue transfer. Allen TR, et al. **Surgery** 1981 Dec;90(6):1047–54

The 'bedside' peritoneovenous shunt. Silberman AW. **Surgery** 1982 Jun;91(6):669–70

Clinical evaluation of implantable ascites pump. Agishi T, et al. **Trans Am Soc Artif Intern Organs** 1981;27:423–7

[Transplantation of free omental flaps by microvascular anastomosis: report of 10 cases (author's transl)] Jiang SY. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):421–2 (Eng. Abstr.) **(Chi)**

[Tetralogy of Fallot. Surgical treatment: palliative and curative (author's transl)] Stanley P, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):3–16 (Eng. Abstr.) **(Fre)**

[Experimental test of two tissue adhesives (GRF and IBC 2) in vascular microsurgery in the rat (author's transl)] Olivier A, et al. **J Chir (Paris)** 1982 Apr;119(4):261–6 (Eng. Abstr.) **(Fre)**

[Postoperative anticoagulant treatment in vascular surgery is reliable] Lüders K. **Med Klin** 1981 Oct 23;76(22):612–4 **(Ger)**

[Scanning electron microscopic study of the healing of microscopic vascular sutures (author's transl)] Réffy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):33–6 **(Hun)**

[Scanning electromicroscopic analysis of the technical faults of microscopic vascular sutures (author's transl)] Réffy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):108–11 **(Hun)**

[Vascular surgery of the extremities] Iguchi K. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jan;55(1):101–13 **(Jpn)**

[An experimental study of the pedicle omental graft with microvascular anastomosis (author's transl)] Mikami M. **Nippon Seikeigeka Gakkai Zasshi** 1981 Dec;55(12):1665–72 (Eng. Abstr.) **(Jpn)**

[Evaluation of variants in the approach to vessels in the hemosorption operation in relation to the treatment regimen and procedure] Dmitriev AA, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):35–7 (Eng. Abstr.) **(Rus)**

[Trials of suture materials for small–caliber vessels] Furmanov IuA, et al. **Klin Khir** 1981 Jul;(7):50–2 (Eng. Abstr.) **(Rus)**

[New method of choroid revascularization] Galimova VU, et al. **Oftalmol Zh** 1981;36(5):308–9 **(Rus)**

[Method of suturing of blood vessels] Kushakovskiĭ OS. **Sov Med** 1982;(4):45–8 **(Rus)**

MORTALITY

Influence of ischemic heart disease on early and late mortality after surgery for peripheral occlusive vascular disease. Jamieson WR, et al. **Circulation** 1982 Aug;66(2 Pt 2):I92–7

STANDARDS

Thomas G. Orr Memorial Lecture. Cardiovascular surgery in Saudi Arabia. Beall AC Jr, et al. **Am J Surg** 1981 Dec; 142(6):646–8

The clinical vascular surgeon: who is he and what should he be? Blumenberg RM. **Am J Surg** 1982 Aug;144(2):168–9

TRENDS

Society for Vascular Surgery. Presidential address: Vascular surgery–– 'A part of the main'. Mannick JA. **Surgery** 1981 Dec;90(6):927–31

[Successes and further paths in the development of heart and vascular surgery] Burakovskiĭ VI, et al. **Khirurgiia (Mosk)** 1981 Dec;(12):26–9 **(Rus)**

VASCULITIS

Vasculitis: an approach for physicians. Penny R. **Aust NZ J Med** 1981 Jun;11(3):302–8 (31 ref.)

Cutaneous vasculitis and its relationship to systemic disease. Callen JP. **DM** 1981 Oct;28(1):1–48

The vasculitides. Cupps TR, et al. **Major Probl Intern Med** 1981;21:1–211

[Renal granulomatous vasculitis. Autonomous entity or a variant of micropanarteritis? Observations on 3 cases] Rovati C, et al. **Minerva Nefrol** 1981 Jan–Mar;28(1):31–5 (Eng. Abstr.) **(Ita)**

BLOOD

Multiple interferons in the circulation of patients with systemic lupus erythematosus and vasculitis. Hooks JJ, et al. **Arthritis Rheum** 1982 Apr;25(4):396–400

[Fibrinolysis and blood coagulation in children with hemorrhagic vasculitis] Andreenko GV, et al. **Pediatriia** 1981;(8):10–3 **(Rus)**

CHEMICALLY INDUCED

Vasculitis and vitamin abuse [letter] Bear RA, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):48

An unusual case of hypersensitivity vasculitis probably due to allopurinol. Falco D, et al. **J Med Soc NJ** 1982 May; 79(5):409–12

Warfarin–induced vasculitis: a dose–related phenomenon in susceptible individuals? Howitt AJ, et al. **Postgrad Med J** 1982 Apr;58(678):233–4

Vasculitis, thrombotic thrombocytopenic purpura, and stroke after aneurysm surgery. Hirsh LF. **Surg Neurol** 1982 Jun; 17(6):426–8

CLASSIFICATION

Chronic, recurrent small–vessel cutaneous vasculitis [letter] Callen JP. **JAMA** 1982 Sep 10;248(10):1181

COMPLICATIONS

Neurologic manifestations of systemic vasculitis. A retrospective and prospective study of the clinicopathologic features and responses to therapy in 25 patients. Moore PM, et al. **Am J Med** 1981 Oct;71(4):517–24

Iridocyclitis in two patients with hypocomplementemic cutaneous vasculitis. Corwin JM, et al. **Am J Ophthalmol** 1982 Jul;94(1):111–3

Chronic urticaria dnd vasculitis. Small P, et al. **Ann Allergy** 1982 Mar;48(3):172–4

Severe retinal vascular lesions in systemic lupus erythematosus. Kayazawa F, et al. **Ann Ophthalmol** 1981 Nov;13(11):1291–4

Neoplasm and systemic vasculitis: a case report [letter] Cupps TR, et al. **Arthritis Rheum** 1982 Apr;25(4):475–6

Localized pustular vasculitis in rheumatoid arthritis. Miyachi Y, et al. **Dermatologica** 1982 Mar;164(3):189–94

Vasculitis involving muscle associated with Crohn's colitis [letter] Weizman Z. **Gastroenterology** 1982 Jun;82(6):1483–4

The association of retroperitoneal fibrosis with systemic vasculitis and HLA–B27: a case report and review of the literature. Littlejohn GO, et al. **J Rheumatol** 1981 Jul–Aug; 8(4):665–9

Lepromatous rheumatoid [editorial] **Lancet** 1982 Oct 2; 2(8301):748–9

Systemic vasculitis and its renal lesions. Shiokawa Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):939–46

Renal involvement in systemic vasculitis – with special reference to intravascular coagulation in the kidney. Tanaka K, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul; 23(7):897–903

Granulomatous vasculitis of the penis with glomerulonephritis. Vella EJ, et al. **Postgrad Med J** 1981 Apr;57(666):262–4

Primary pulmonary hypertension: a facet of diffuse angiopathic process? Berliner S, et al. **Respiration** 1982; 43(1):76–9

[Clinicopathological conference LXXII. Fever, lung changes, intestinal perforation and peripheral cyanosis in an infant] Hoppu K, et al. **Duodecim** 1982;98(11):901–10 **(Fin)**

[Angiitis and periodic disease] Mongin M, et al. **Ann Med Interne (Paris)** 1981;132(7):480–1 **(Fre)**

[A case report of Cogan's syndrome (author's transl)] Niimi M, et al. **Nippon Naika Gakkai Zasshi** 1982 Apr 10; 71(4):513–8 **(Jpn)**

DIAGNOSIS

The vasculitic syndromes. Cupps TR, et al. **Adv Intern Med** 1982;27:315–44 (99 ref.)

The use of paraffin–processed tissue and the immunoperoxidase technique in the diagnosis of bullous diseases, lupus erythematosus and vasculitis. Turbitt ML, et al. **Br J Dermatol** 1982 Apr;106(4):411–7

Urticarial vasculitis: an updated review. Monroe EW. **J Am Acad Dermatol** 1981 Jul;5(1):88–95 (31 ref.)

Rectal biopsy in the diagnosis of systemic vasculitis. Tribe CR, et al. **J Clin Pathol** 1981 Aug;34(8):843–50

Vasculitis and granulomatosis of the respiratory tract. Edwards CW. **Thorax** 1982 Feb;37(2):81–7 (83 ref.)

[Allergic granulomatosis and angiitis (Churg–Strauss syndrome) or bronchial asthma with periarteritis nodosa (author's transl)] Haas C, et al. **Ann Med Interne (Paris)** 1981;132(5):312–5 (Eng. Abstr.) **(Fre)**

[A review of seven cases of necrotizing angiitis seen in a department of neurology. Diagnostic and nosologic difficulties (author's transl)] Missoum A, et al. **Sem Hop Paris** 1982 Jul 1;58(26–27):1606–10 **(Fre)**

[Mononeuritis of the sciatic nerve due to vasculitis. A contribution to the differential diagnosis of lumbo–sacral disc herniation (author's transl)] Meier C, et al. **Nervenarzt** 1982 Apr;53(4):196–9 **(Ger)**

DRUG THERAPY

Potassium iodide and vasculitis [letter] Zone JJ. **Arch Dermatol** 1981 Dec;117(12):758–9

Necrotizing vasculitis [letter] Dietz AJ Jr. **Arch Intern Med** 1982 Feb;142(2):416–7

Suppression of acute and chronic inflammation by orally administered prostaglandins. Kunkel SL, et al. **Arthritis Rheum** 1981 Sep;24(9):1151–8

Treatment of vasculitis. Winkelmann RK. **Cutis** 1981 Aug; 28(2):151–63

Atrophie blanche. Report of two patients treated with aspirin and dipyridamole. Kern AB. **J Am Acad Dermatol** 1982 Jun;6(6):1048–53

ETIOLOGY

Immune complex glomerulonephritis and dermal vasculitis following intestinal bypass for morbid obesity. Gamble CN, et al. **Am J Clin Pathol** 1982 Mar;77(3):347–52

Granulomatous perivasculitis in Crohn's disease. Burgdorf W, et al. **Arch Dermatol** 1981 Oct;117(10):674–5

Meningovascular syphilis after 'appropriate' treatment of primary syphilis. Moskovitz BL, et al. **Arch Intern Med** 1982 Jan;142(1):139–40

Annular vasculitis of the head and neck in a patient with sarcoidosis. Branford WA, et al. **Br J Dermatol** 1982 Jun; 106(6):713–6

Bowel bypass syndrome. Simon SI, et al. **Cutis** 1981 Nov; 28(5):545–7, 550, 579

Besides the liver, what does the virus of hepatitis attack? Alpert E, et al. **Heart Lung** 1982 Mar–Apr;11(2):177–80

Rheumatoid vasculitis. Gordon GV. **Int J Dermatol** 1981 Oct;20(8):546–7

Granulomatous angiitis of the nervous system: a clinicopathological study of one case. De Reuck J, et al. **J Neurol** 1982;227(1):49–53

Vasculitis in association with chickenpox treatment in childhood acute lymphoblastic leukemia [letter] Platt MP, et al. **Lancet** 1982 Oct 2;2(8301):763–4

Pulmonary vasculitis on intralipid therapy [letter] Klotz SA, et al. **N Engl J Med** 1982 Apr 22;306(16):994–5

Malassezia pulmonary vasculitis in an infant on long–term Intralipid therapy. Redline RW, et al. **N Engl J Med** 1981 Dec 3;305(23):1395–8

Coronary and peripheral vascular occlusion due to rheumatoid arteritis. Rudge SR, et al. **Postgrad Med J** 1981 Mar;57(665):196–8

Smoking and rheumatoid vasculitis. Struthers GR, et al. **Rheumatol Int** 1981;1(3):145–6

Positive, war.n T cell crossmatch in cardiac transplantation: with transient vasculitis and without hyperacute rejection. Singh G, et al. **Transplantation** 1982 May;33(5):564–6

[Optic disk vasculitis and sinusitis. Apropos of 5 cases] Fantin J, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):591–5 (Eng. Abstr.) **(Fre)**

[Rheumatoid polyarthritis and extensive necrotizing vasculitis. Apropos of 2 cases] Duquesnoy B, et al. **Rev Rhum Mal Osteoartic** 1982 Apr;49(5):371–5 (Eng. Abstr.) **(Fre)**

[Renal vasculitis in systemic lupus erythematosus] Banfi G, et al. **Minerva Nefrol** 1981 Jan–Mar;28(1):27–30 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Immunological vasculitis–induced neuropathies during chronic hepatitis with Australia antigen positivity. Marconi G, et al. **Acta Neurol (Napoli)** 1982 Apr;37(2):98–109

Serum C1q concentrations in rheumatic disorders. Early normalization during treatment of immunologically–mediated vasculitis. Persellin RH, et al. **Am J Clin Pathol** 1981 Oct;76(4):462–6

Circulating immune complexes in cutaneous and systemic vasculitis: clinicopathological correlations. Barratt J, et al. **Ann Rheum Dis** 1982 Feb;41(1):25–9

Leukocytoclastic vasculitis. A cutaneous expression of immune complex disease. Mackel SE, et al. **Arch Dermatol** 1982 May;118(5):296–301

Complement–mediated solubilization in patients with systemic lupus erythematosus, nephritis or vasculitis. Schifferli JA, et al. **Clin Exp Immunol** 1981 Dec; 46(3):557–64

Isolation and characterization of circulating immune complexes in patients with hepatitis B systemic vasculitis. Inman RD, et al. **Clin Immunol Immunopathol** 1981 Dec; 21(3):364–74

[Circulating immune complexes in hemorrhagic vasculitis and other hematologic diseases] Kisliak NS, et al. **Pediatriia** 1981;(8):6–10 (Eng. Abstr.) **(Rus)**

[Immunopathology of vasculitis] Shilkina NP. **Vopr Revm** 1981 Oct–Dec;(4):49–55 (119 ref.) (Eng. Abstr.) **(Rus)**

PATHOLOGY

Churg–Strauss syndrome. Development of cardiomyopathy during corticosteroid treatment. Wishnick MM, et al. **Am J Dis Child** 1982 Apr;136(4):339–44

Sural nerve biopsy in systemic necrotizing vasculitis. Wees SJ, et al. **Am J Med** 1981 Oct;71(4):525–32

Granulomatosis vasculitis in the syndrome of diffuse fasciitis with eosinophilia. Lewkonia RM, et al. **Arch Intern Med** 1982 Jan;142(1):73–5

A limited form of Churg–Strauss syndrome: ocular and cutaneous manifestations. Nissim F, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):305–7

Necrotizing vasculitis in a case of disseminated neonatal herpes simplex infection. Phinney PR, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):64–7

Cutis marmorata telangiectatica with multiple congenital anomalies (van Lohuizen's syndrome). Lee S, et al. **Dermatologica** 1981;163(5):408–12

Multiple angiitis of mesenterial arteries in guinea pigs induced by intraperitoneal administration of high doses of Na2 EDTA. II. Electron microscopic study. Yamaguchi H, et al. **Exp Pathol** 1981;20(1):31–40

Multiple angiitis of mesenterial arteries in guinea pigs induced by intraperitoneal administration high doses of Na2EDTA. I. Light microscopic study. Yamaguchi H, et al. **Exp Pathol** 1981;20(1):26–30

Cronkhite–Canada syndrome associated with systemic vasculitis: an autopsy study. Parsa C. **Hum Pathol** 1982 Aug;13(8):758–60

Central nervous system vasculitis in cytomegalovirus infection. Koeppen AH, et al. **J Neurol Sci** 1981 Sep; 51(3):395–410

Polymorphism of vascular lesions in the kidney of the diseases with systemic vasculitis. Shibata S. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):947–56

[Clinical course, histology and pathogenesis of vasculitis] Schneider W. **Phlebologie** 1981 Oct–Dec;34(4):501–10 (Eng. Abstr.) **(Fre)**

[Granulomatous hypersensitivity angiitis of Churg and Strauss's syndrome : favorable outcome in one case] Martin F, et al. **Poumon Coeur** 1982 Mar–Apr;38(2):111–4 (Eng. Abstr.) **(Fre)**

[Outbreak of pseudo–exacerbation in a dimorphic patient with specific disseminated granulomatous vasculitis (clinical conference)] Zorseto V, et al. **Hansenol Int** 1980 Jun;5(1):44–52 (Eng. Abstr.) **(Por)**

[Giant–cell vasculitis (arteritis and phlebitis)] Zerbino DD. **Arkh Patol** 1981;43(8):42–7 (Eng. Abstr.) **(Rus)**

[Case of Werther–Dümling papulonecrotic dermatitis] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):55–7 **(Rus)**

[Livedo vasculitis] Olmos L, et al. **Actas Dermosifiliogr** 1981 May–Jun;72(5–6):211–4 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Lupus vasculitis: reversal of radiographic findings after steroid therapy. Train JS, et al. **Am J Gastroenterol** 1981 Nov;76(5):460–3

RADIONUCLIDE IMAGING

Uptake of Ga–67 in the cardiac region in hypersensitivity angiitis. Shah PJ, et al. **Clin Nucl Med** 1981 Nov; 6(11):547–9

Technetium scanning in Kaposi's sarcoma and its simulators. Gunnoe R, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 1):463–9

SURGERY

[Surgical treatment of extensive skin defects from necrotic vasculitis] Chervenkov E, et al. **Khirurgiia (Sofiia)** 1982; 35(1):20–5 (Eng. Abstr.) **(Bul)**

THERAPY

Vasculitic diseases. Balow JE. **Clin Exp Dial Apheresis** 1981; 5(1–2):47–63 (30 ref.)

Plasma exchange in rheumatoid vasculitis. Scott DG, et al. **J Rheumatol** 1981 May–Jun;8(3):433–9

Limited plasmapheresis in fulminant leukocytoclastic vasculitis. Wysenbeek AJ, et al. **J Rheumatol** 1982 Mar–Apr;9(2):315–8

Treatment of vasculitis. Mackel SE. **Med Clin North Am** 1982 Jul;66(4):941–54 (53 ref.)

Plasma exchange in two patients with rheumatoid vasculitis. Bjelle A, et al. **Scand J Rheumatol** 1982;11(1):58–62

Plasma exchange in rheumatoid vasculitis. Brubaker DB, et al. **Vox Sang** 1981 Nov–Dec;41(5–6):295–301

[Effect of hyperbaric oxygenation on the microcirculatory state in clinically manifest rheumatoid vasculitis] Saĭkovskiĭ RS, et al. **Ter Arkh** 1982;54(6):138–40 **(Rus)**

VETERINARY

Necrotizing vasculitis as an immunological complication in toxicity study. Stejskal V, et al. **Arch Toxicol [Suppl]** 1982; 5:283–6

VASCULITIS, ALLERGIC CUTANEOUS

CHEMICALLY INDUCED

Propylthio–uracil–induced cutaneous vasculitis. Gammeltoft M, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):171–3

Leucocytoclastic vasculitis and skin necrosis following subcutaneous heparin calcium. Kearsley JH, et al. **Aust NZ J Med** 1982 Jun;12(3):288–9

[Gougerot's trisymptom complex induced by anti–inflammatory agents. Role of diclofenac?] Bonafé JL, et al. **Ann Dermatol Venereol** 1982;109(3):283–4 **(Fre)**

[Leukocytoclastic vasculitis due to drug allergy presenting as generalized pustular exanthema] Röckl H. **Hautarzt** 1981 Sep;32(9):467–70 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Glomerular disease in two patients with urticaria–cutaneous vasculitis and hypocomplementemia. Schultz DR, et al. **Am J Kidney Dis** 1981 Nov;1(3):157–65

Urticaria, vasculitis, hypocomplementemia, and immune–complex glomerulonephritis. Moorthy AV, et al. **Arch Pathol Lab Med** 1982 Feb;106(2):68–70

Urticarial vasculitis: a report of nine cases and review of the literature. Callen JP, et al. **Br J Dermatol** 1982 Jul; 107(1):87–93

Urticarial vasculitis in a patient with systemic lupus erythematosus: a case report. Van der Horst JC, et al. **Clin Exp Dermatol** 1981 Sep;6(5):489–94

Hypocomplementemic urticarial vasculitis: association with chronic obstructive pulmonary disease. Schwartz HR, et al. **Mayo Clin Proc** 1982 Apr;57(4):231–8 (59 ref.)

[Refractory anaemia with an excess of myeloblasts and cutaneous vasculitis (author's transl)] Dreyfus B, et al. **Nouv Rev Fr Hematol** 1981;23(2):115–21 **(Fre)**

DIAGNOSIS

Dermatitis herpetiformis–like changes in cutaneous leucocytoclastic vasculitis with IgA deposition. Jones RR, et al. **Clin Exp Dermatol** 1981 Sep;6(5):495–501

Chronic, recurrent small–vessel cutaneous vasculitis. Clinical

experience in 13 patients. Cupps TR, et al. **JAMA** 1982 Apr 9;247(14):1994–8
Small-vessel cutaneous vasculitis [letter] Ehrlich GE. **JAMA** 1982 Apr 9;247(14):2010
Bruises and child abuse [letter] Collins EW. **Pediatrics** 1981 Oct;68(4):614–5
[Allergic vascularities with clinical skin manifestations] Puissant A. **Phlebologie** 1981 Apr–Jun;34(2):265–71 (Eng. Abstr.) **(Fre)**
[Hypersensitive angiitis (author's transl)] Mićić R, et al. **Ljec Vjesn** 1981 Jul;103(7):277–87 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Hypersensitivity vasculitis. Katz P. **Am Fam Physician** 1982 Jul;26(1):171–5
Cold urticaria with vasculitis: report of a case with light and electron microscopic, immunofluorescence and pharmacological studies. Eady RA, et al. **Clin Exp Dermatol** 1981 Jul;6(4):355–66
Immune complex vasculitis and contact dermatitis to Frullania. Faure M, et al. **Contact Dermatitis** 1981 Nov; 7(6):320–5
Pulmonary renal syndromes. II. Etiology and pathogenesis. Rankin JA, et al. **Yale J Biol Med** 1982 Jan–Feb;55(1):11–26 (136 ref.)
[Vasculitis allergica of papulonecrotic type following BCG vaccination (author's transl)] Lübbe D. **Dermatol Monatsschr** 1982 Mar;168(3):186–92 **(Ger)**
[Allergic diseases caused by immune complex type III: alveolitis, vasculitis] Ring J. **MMW** 1982 Feb 5;124(5):81–4, 6 **(Ger)**

FAMILIAL & GENETIC

A case of rare heterozygous alpha 1-antitrypsin phenotype: IS. Bencze K, et al. **J Clin Chem Clin Biochem** 1982 Feb; 20(2):61–3

IMMUNOLOGY

Circulating immune complexes in cutaneous and systemic vasculitis: clinicopathological correlations. Barratt J, et al. **Ann Rheum Dis** 1982 Feb;41(1):25–9
A case of eosinophilic pneumonia. Unusu l immune complex vasculitis in the skin. Chan NH, et a.. **Chest** 1982 Jul; 82(1):113–5
Hypersensitivity vasculitis group (HVG). A case-oriented review of a continuing clinical spectrum. Calabrese LH, et al. **Cleve Clin Q** 1982 Spring;49(1):17–42
A selective and complete absence of C1q in a patient with vasculitis and nephritis. Minta JO, et al. **Clin Immunol Immunopathol** 1982 Feb;22(2):225–37
Antigenic similarities within circulating immune complexes in patients suffering from cutaneous vasculitis. Dambuyant C, et al. **Dermatologica** 1981;162(6):429–37
Clearance mediated by splenic macrophage membrane receptors for immune complexes in cutaneous vasculitis. Dambuyant C, et al. **J Invest Dermatol** 1982 Mar; 78(3):194–9
[Comparative study of the immunopathology of skin lesions and circulating immune complexes in leucocytoclastic vasculitis (Gougerot-Ruiter's disease) (author's transl)] Gomes MA, et al. **Ann Dermatol Venereol** 1982; 109(1):35–41 (Eng. Abstr.) **(Fre)**

METABOLISM

Isolation of tissue plasminogen activator from skin lesions with allergic vasculitis. Toki N, et al. **J Invest Dermatol** 1982 Jan;78(1):18–23

PATHOLOGY

Cutaneous leukocytoclastic vasculitis in the rose spot of paratyphoid fever. Fine JD, et al. **Int J Dermatol** 1982 May; 21(4):216–7
Cutaneous clinicopathologic correlation of allergic granulomatosis. Crotty CP, et al. **J Am Acad Dermatol** 1981 Nov;5(5):571–81

PSYCHOLOGY

[Erythrocyte sensitization syndrome (Gardner-Diamond syndrome, Sharp's painful bruising syndrome)] Pevny I, et al. **Hautarzt** 1982 May;33(5):251–6 (38 ref.) (Eng. Abstr.) **(Ger)**

THERAPY

[Experience using hemosorption therapy in allergic cutaneous vasculitis] Dmitriev AA, et al. **Vestn Dermatol Venerol** 1981 Sep;(9):19–22 (Eng. Abstr.) **(Rus)**

VASECTOMY

see related
STERILIZATION REVERSAL

Genetic control of autoantibody production to spermatozoa in vasectomized rats. Takami T, et al. **Am J Reprod Immunol** 1982 Feb;2(1):5–7
Vasectomy: subclinical pathologic changes. Taxy JB, et al. **Am J Surg Pathol** 1981 Dec;5(8):767–72
The fate of sperm after vasectomy in the hamster. Flickinger CJ. **Anat Rec** 1982 Feb;202(2):231–9
Micro disc gradient gel electrophoresis of seminal plasma proteins before and after vasectomy and in different split ejaculate fractions. Perwein E, et al. **Andrologia** 1982 Mar–Apr;14(2):130–4
Endocrine and accessory sex organ function after vasectomy and vasovasostomy. Joshi UM. **Arch Androl** 1981 Sep; 7(2):187–91
Serum prolactin, FSH, LH and testosterone before and after vasectomy in normal men. Nikkanen V, et al. **Arch Androl** 1982 Jun;8(4):311–3
alpha, 1–4 Glucosidase activity in human seminal plasma from normal, vasectomized, and subfertile men. Rivas F, et al. **Arch Androl** 1981 Dec;7(4):319–21
Reversal of vasectomy: the effects of sperm antibodies on subsequent fertility. Royle MG, et al. **Br J Urol** 1981 Dec; 53(6):654–9
Who asks for vasectomy reversal and why? Howard G. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):490–2
The effect of vasectomy-vasovasostomy on normal physiologic function of the vas deferens. Brickel D, et al. **Fertil Steril** 1982 Jun;37(6):807–10
Sperm-agglutinating and -immobilizing antibody formation following vasectomy prevented with dexamethasone in cynomolgus monkeys. Curtis GL, et al. **Fertil Steril** 1982 Jul;38(1):97–9
Effect of vasectomy on the epididymis of a non-scrotal mammal Suncus murinus L. Singh SK, et al. **Indian J Exp Biol** 1981 Oct;19(10):912–4
Evaluation of blood pressure in vasectomized and nonvasectomized men. Alexander NJ, et al. **Int J Epidemiol** 1981 Sep;10(3):217–22
The blood epididymal barrier to [3H]-inulin in intact and vasectomized hamsters. Turner TT, et al. **Invest Urol** 1981 Sep;19(2):89–91
Patient noncompliance with postvasectomy semen examination protocol. Dervin JV, et al. **J Fam Pract** 1982 Mar;14(3):487–90
The choice of sterilization procedure among married couples. Markman LM, et al. **J Fam Pract** 1982 Jan;14(1):27–30
Vasectomy: a follow-up of two thousand men. Jackson LN, et al. **J R Coll Gen Pract** 1982 Mar;32(236):172–3
Vasectomy reversal: use of microsurgical technique. Derrick FC Jr, et al. **J SC Med Assoc** 1982 Feb;78(2):90–1
Nonmicroscopic vasovasostomy. Fallon B, et al. **J Urol** 1981 Sep;126(3):361–2
Immunity to tumor-associated antigens in vasectomized men. Anderson DJ, et al. **JNCI** 1982 Sep;69(3):551–5
Can vasectomy reduce the incidence of prostatic tumor? Sheth AR, et al. **Med Hypotheses** 1982 Mar;8(3):237–41
Immunologic effects of vasectomy in men and experimental animals. Bigazzi P. **Prog Clin Biol Res** 1981;70:461–76 (88 ref.)
Fertility of unilaterally vasectomized rats and ultrastructure of sperm granuloma. Lopes CM, et al. **Rev Bras Biol** 1981 Nov;41(4):867–71
Vasectomy (An experimental autoimmune disease state). Teuscher C, et al. **Ric Clin Lab** 1981 Oct–Dec;11(4):313–29 (154 ref.)
The non-reproductive consequences of vasectomy. Coetzee T. **S Afr Med J** 1982 Mar 27;61(13):472–5 (75 ref.)
Innervation of the vas deferens and its importance for vasectomy and vasovasostomy. Esk PC, et al. **Urol Int** 1982;37(1):26–33
[Vasovasotomy. Refertilization after vasectomy illustrated by a questionnaire study] Eldrup J, et al. **Ugeskr Laeger** 1982 Apr 19;144(16):1160–2 (Eng. Abstr.) **(Dan)**
[Pregnancy after vasectomy and its possible legal consequences for the surgeon] Kuhlwein A, et al. **Andrologia** 1981 Jul–Aug;13(4):359–62 (Eng. Abstr.) **(Ger)**
[Critical observations on the practice of vasectomy] Schirren C. **Andrologia** 1981 Jul–Aug;13(4):377–8 **(Ger)**
[Findings after vasectomy (author's transl)] Kuhlwein A, et al. **Z Hautkr** 1981 Jun 15;56(12):794–803 (Eng. Abstr.) **(Ger)**
[Preventive vasectomy. Review of 755 cases] De Carlo G, et al. **Minerva Urol** 1982 Apr–Jun;34(2):75–7 **(Ita)**
[The effect of vasectomy on the autonomic innervation of the vas deferens and epididymis in rats (author's transl)] Takano M. **Nippon Hinyokika Gakkai Zasshi** 1981 Oct; 72(10):1280–97 (Eng. Abstr.) **(Jpn)**
[Reversal of vasectomy with microsurgery] Ferreira MC. **AMB** 1981 Mar;27(3):80–2 (Eng. Abstr.) **(Por)**
[Ultrastructural study in the epididymis of vasectomized hamsters (Mesocricetus auratus)] Ureña F, et al. **Rev Biol Trop** 1981 Dec;29(2):237–49 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Effects on the efferent ducts in Macaca mulatta. Marsh LD, et al. **Am J Pathol** 1982 Jun;107(3):310–5
A survey of personal habits, symptoms of illness, and histories of disease in man with and without vasectomies. Petitti DB, et al. **Am J Public Health** 1982 May;72(5):476–80
Immunological and clinical consequences of vasectomy. Hattikudur NS, et al. **Andrologia** 1982 Jan–Feb;14(1):15–22
Immunological consequences of vasectomy. Shahani SK, et al. **Arch Androl** 1981 Sep;7(2):193–9
Pain on ejaculation after vasectomy [letter] Edwards IS, Errey B. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1710
Sequelae of vasectomy. **Contraception** 1982 Feb;25(2):119–23 (6 ref.)
Evaluating the safety of vasectomy [editorial] Alexander NJ. **Fertil Steril** 1982 Jun;37(6):734–6
No increase in arteriolosclerotic retinopathy or activity in tests for circulating immune complexes 5 years after vasectomy. Linnet L, et al. **Fertil Steril** 1982 Jun; 37(6):798–806
Physiologic measures in men with and without vasectomies. Petitti DB, et al. **Fertil Ste..il** 1982 Mar;37(3):438–40
Immunological effects of vasectomy. Sotolongo JR Jr. **J Urol** 1982 Jun;127(6):1063–6 (42 ref.)

METHODS

Irrigation during vasectomy: a comparison between sterile water and the spermicide euflavine. Gandrup P, et al. **J Urol** 1982 Jan;127(1):60–1

PSYCHOLOGY

Vasectomy counseling and clinical social work. Smith HY. **Health Soc Work** 1981 Aug;6(3):64–70
Social and emotional aspects of voluntary childlessness in vasectomized childless men. Magarick RH, et al. **J Biosoc Sci** 1981 Apr;13(2):157–67

VASOACTIVE INTESTINAL PEPTIDE see under **GASTROINTESTINAL HORMONES**

VASOCONSTRICTION

Nasal vasomotor oscillations in the cat associated with the respiratory rhythm. Eccles R, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct;92(3–4):357–61
Augmented vasoconstrictor response to changes in vascular transmural pressure in patients with essential arterial hypertension. Henriksen O, et al. **Acta Physiol Scand** 1981 Jul;112(3):323–9
Reflection effects of vaso-active drugs on arterial pulse propagation velocities measured in-vivo in a dog. Laogun AA. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):111–6
Regional coronary angiographic observations during cold stimulation in patient with exertional chest pain: comparison of diameter responses in normal and fixed stenotic vessels. Feldman RL, et al. **Am Heart J** 1981 Nov; 102(5):822–30
Vasoactive effect of sera from preeclamptic patients. Puffer HW, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):468–70
Arteriolar vasoconstriction in rat cremaster muscle induced by local heat stress. Hogan RD, et al. **Am J Physiol** 1982 Jun;242(6):H996–9
Enhanced renal vasoconstriction in rats fed essential fatty acid-deficient diet. Sakr HM, et al. **Am J Physiol** 1982 Jul;243(1):H61–7
Synergistic effects of pressure, distal resistance, and vasoconstriction on stenosis. Santamore WP, et al. **Am J Physiol** 1982 Aug;243(2):H236–42
Hypoxic pulmonary vasoconstriction in conscious sheep: role of mast cell degranulation. Ahmed T, et al. **Am Rev Respir Dis** 1982 Aug;126(2):291–7
Hypoxic pulmonary vasoconstriction and the pharmacologically denervated lung. Role of cardiac output and sympathetic nervous system. Ohmura A, et al. **Anaesthesia** 1982 Feb;37(?):152–60
Evidence for presynaptic parasympathetic receptors on nasal blood vessels. Jackson RT. **Ann Otol Rhinol Laryngol** 1982 Mar–Apr;91(2 Pt 1):216–9
A unifying theory of the delay phenomenon—recovery from the hyperadrenergic state. Pearl RM. **Ann Plast Surg** 1981 Aug;7(2):102–12
Observations on coronary conductance artery vasomotion by induction angiometry and ultrasonic dimensions technique. Bassenge E, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):524–9
Neurogenic and myogenic control of conduit coronary a.: a possible interference. Gerová M, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):503–7
Static exercise in anesthetized dogs, a cause of reflex alpha-adrenergic coronary vasoconstriction. Longhurst JC, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):530–5
Constriction of the epicardial coronary artery induced by alpha-adrenergic stimulation. Nakamura M, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):498–502
Regulation of large coronary vessels by adrenergic mechanisms in conscious dogs. Vatner SF, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):508–17
Overlearning and instructional control of extinction of vasomotor responding. Eaglen A, et al. **Behav Res Ther** 1982;20(1):41–8
Rheology and vasomotion: a validation of hemodilution as a rational therapeutic maneuver. Lewis DH, et al. **Bibl Haematologica** 1981;47:122–6
The effect of PCO2 on hypoxic pulmonary vasoconstriction. Noble WH, et al. **Can Anaesth Soc J** 1981 Sep;28(5):422–30
Constriction of collateral arteries induced by 'head-up tilt' in patients with occlusive arterial disease of the legs. Agerskov K, et al. **Cardiovasc Res** 1981 Dec;15(12):675–9
Hypoxic pulmonary vasoconstriction in liver cirrhosis. Naeije R, et al. **Chest** 1981 Nov;80(5):570–4
Ultrastructural distribution of vasodilator and constrictor nerves in cat cerebral arteries. Lee TJ. **Circ Res** 1981 Oct; 49(4):971–9
Elevated plasma adrenaline reflects sympathetic overactivity and enhanced alpha-adrenoceptor-mediated vasoconstriction in essential hypertension. Bolli P, et al.

Clin Sci [Suppl] 1981 Dec;61(7):161s–164s

Contractile activity and prostacyclin generation in isolated coronary arteries from diabetic dogs. Sterin-Borda L, et al. **Diabetologia** 1982 Jan;22(1):56–9

Functional characterization of postjunctional alpha-adrenoceptors in rat aorta. Randriantsoa A, et al. **Eur J Pharmacol** 1981 Oct 15;75(1):57–60

Altered vascular responsiveness in isolated perfused lungs from aging rats. Tucker A, et al. **Exp Lung Res** 1982 Feb; 3(1):29–35

The vasoconstriction–volume spectrum in normotension and in the pathogenesis of hypertension. Laragh JH, et al. **Fed Proc** 1982 Jun;41(8):2415–23

Response of human malignant melanoma xenografts to hyperthermia: effect of vascular occlusion. Rofstad EK, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1685–7

Interaction of PVO2 with PAO2 on hypoxic pulmonary vasoconstriction. Benumof JL, et al. **J Appl Physiol** 1981 Oct;51(4):871–4

Splanchnic vasoconstriction in heat-stressed men: role of renin-angiotensin system. Escourrou P, et al. **J Appl Physiol** 1982 Jun;52(6):1438–43

Pulmonary vasoconstrictor responses to graded decreases in precapillary blood PO2 in intact-chest cat. Hyman AL, et al. **J Appl Physiol** 1981 Oct;51(4):1009–16

Hypoxic vasoconstriction and fluid filtration in pig lungs. Mitzner W, et al. **J Appl Physiol** 1981 Nov;51(5):1065–71

Elevated adrenaline and increased alpha-adrenoceptor-mediated vasoconstriction in essential hypertension. Bühler FR, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S134–8

Cat pial venoconstriction by topical microapplication of norepinephrine. Ulrich K, et al. **J Cereb Blood Flow Metab** 1982;2(1):109–11

Spinal trauma: pharmacological evidence for vasoconstrictor activity in cerebrospinal fluid. Boullin DJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Aug;44(8):725–7

The in vitro contractility of the human placental chorial vessels. Panizza VH, et al. **J Reprod Med** 1981 Sep; 26(9):478–82

Vasomotor dynamics associated with cardiac operations. II. Effect of cardiopulmonary bypass on venous tone. Doty DB, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):732–5

A new method for the simultaneous presentation of low and high magnifications of microscopic specimens: application to in vivo studies of mesenterial capillaries. Weigelt H, et al. **Microsc Acta** 1981 Nov;85(2):161–73

Quantitative significance of hypoxic vasoconstriction in the ferret lung. Suggett AJ, et al. **Respir Physiol** 1981 Nov; 46(2):89–104

Changes in vasoactive properties of blood products with time and attempted identification of the spasmogens. Okwuasaba F, et al. **Stroke** 1981 Nov–Dec;12(6):775–80

[Influence of unilateral lung hypoxia on PaO2 (author's transl)] Numata K. **Kokyu To Junkan** 1982 Jan;30(1):13–20 **(Jpn)**

[Reflex effects of cough reflex on the tracheobronchial vascular tone (author's transl)] Yanaura S, et al. **Nippon Yakurigaku Zasshi** 1981 Jul;78(1):9–16 (Eng. Abstr.) **(Jpn)**

[Correlation of hemodynamic changes and mesenteric microcirculation in response to electric stimulation of the celiac ganglion in rats] Chernukh AM, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):645–8 (Eng. Abstr.) **(Rus)**

[Effect of pH, pCO2, and pO2 on renal artery contractility and reactivity] Alvar IuP, et al. **Fiziol Zh SSSR** 1981 Jun; 67(6):904–10 (Eng. Abstr.) **(Rus)**

[Oxygen deficit in tissues and their blood supply] Gurevich MI, et al. **Usp Fiziol Nauk** 1981 Oct–Dec;12(4):77–98 (109 ref.) **(Rus)**

DRUG EFFECTS

Effect of a new vasodilator, pinacidil (P 1134), on potassium, noradrenaline and serotonin induced contractions in rabbit vascular tissues. Nielsen CK, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):427–31

Observations on the action of taurine at arterial and cardiac levels. Franconi F, et al. **Adv Exp Med Biol** 1981; 139:181–90

Interaction of angiotensin-converting enzyme inhibitors with the function of the sympathetic nervous system. Clough DP, et al. **Am J Cardiol** 1982 Apr 21;49(6):1410–4

Medial changes in arterial spasm induced by L-norepinephrine. Joris I, et al. **Am J Pathol** 1981 Dec; 105(3):212–22

Gastric vascular actions of prostanoids and the dual effect of arachidonic acid. Kauffman GL Jr, et al. **Am J Physiol** 1982 Jun;242(6):G582–7

Regional coronary vasoconstriction in response to stimulation of stellate ganglia. Rinkema LE, et al. **Am J Physiol** 1982 Sep;243(3):H410–5

Effects of captopril (SQ 14225) on norepinephrine-induced vasoconstriction in the isolated perfused mesentery and hindquarters of the rat. Gulati N, et al. **Arch Int Pharmacodyn Ther** 1982 Jan;255(1):168–76

Yohimbine inhibits the potentiation by moderate cooling of norepinephrine-induced contractions of canine blood vessels. Janssens WJ, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):173–4

Responses of the rat tail artery to high external potassium concentration. Polidoro JH, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):36–48

Evidence for a histaminergic mechanism on the effects of angiotensin II in the rabbit aorta and rat lung. Zengil H. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):67–71

Hypomagnesemia and vasoconstriction: possible relationship to etiology of sudden death ischemic heart disease and hypertensive vascular diseases. Altura BM, et al. **Artery** 1981;9(3):212–31

Mechanical activity of isolated canine coronary arteries after coronary occlusion. Golenhofen K, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):480–4

Vasoactivities of adenosine analogues in trout gill (Salmo gairdneri R.). Colin DA, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2971–7

Reflectance spectrophotometric quantification of skin colour changes induced by topical corticosteroid preparations. Feather JW, et al. **Br J Dermatol** 1982 Apr;106(4):437–43

The dilution of proprietary corticosteroid ointments—an attempt to evaluate relative clinical potencies. Gibson JR, et al. **Br J Dermatol** 1982 Apr;106(4):445–7

Forearm site variation with the corticosteroid vasoconstrictor assay [letter] Kirsch J, et al. **Br J Dermatol** 1982 Apr; 106(4):495

Restoration of vasoconstrictor responses to noradrenaline by prostaglandin E2 after alpha-adrenoceptor blockade in rat isolated mesenteric artery. Adeagbo AS, et al. **Br J Pharmacol** 1982 Jan;75(1):49–56

Effect of verapamil on the pulmonary vasoconstrictor action of prostaglandin F2 alpha and a synthetic PGH2 analogue. Angerio AD, et al. **Br J Pharmacol** 1981 May;73(1):101–3

Evidence against the involvement of prostaglandins in the vasoconstrictor action of calcium ion in rat mesenteric blood vessels. Coupar IM. **Br J Pharmacol** 1981 Oct; 74(2):477–84

Dual influence of hydralazine on constrictor response to noradrenaline in isolated arterial smooth muscle. Krishnamurty VS. **Can J Physiol Pharmacol** 1981 Nov; 59(11):1159–69

The vascular sensitizing character of plasma from spontaneously hypertensive rats. Wright GL. **Can J Physiol Pharmacol** 1981 Nov;59(11):1111–6

Evidence against significant resting sympathetic coronary vasoconstrictor tone in the conscious dog. Chilian WM, et al. **Circ Res** 1981 Oct;49(4):866–76

Strain differences in the facilitatory action of angiotensin on noradrenergic transmission in the rat mesentery. Eikenburg DC, et al. **Clin Exp Hypertens** 1981;3(5):1039–51

Impairment of neurally-mediated vasoconstriction in DOCA-salt hypertensive dogs. Hamed AT, et al. **Clin Exp Hypertens [A]** 1982;4(6):867–81

Inhibitory effect of captopril on adrenergic vasoconstriction [letter] Kondo K, et al. **Clin Sci** 1982 May;62(5):565–6

Decrease in alpha-adrenoceptor-mediated vasoconstriction parallels the antihypertensive response to propranolol in patients with normal renin essential hypertension. Amann FW, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):445s–448s

Comparison of the effects of dobutamine, dopamine, and isoproterenol on hypoxic pulmonary vasoconstriction in the pig. Furman WR, et al. **Crit Care Med** 1982 Jun; 10(6):371–4

Adenosine contracts the isolated rat tail artery by releasing endogenous 5-hydroxytryptamine. Brown CM, et al. **Eur J Pharmacol** 1981 Dec 3;76(2–3):275–7

Captopril impairs the vascular smooth muscle contraction mediated by postsynaptic alpha 2-adrenoceptors in the pithed rat. De Jonge A, et al. **Eur J Pharmacol** 1981 Sep 24;74(4):385–6

Involvement of alpha 1- and alpha 2-adrenoceptors in the vasoconstriction caused by ergometrine. Kalkman HO, et al. **Eur J Pharmacol** 1982 Feb 19;78(1):107–11

Mechanisms of coronary vasoconstriction induced by Na arachidonate in experimentally diabetic dogs. Sterin-Borda L, et al. **Experientia** 1982 Jul 15;38(7):835–7

Effects of Ginkgo biloba on arterial smooth muscle responses to vasoactive stimuli. Auguet M, et al. **Gen Pharmacol** 1982; 13(2):169–71

Analysis of the effects of noradrenaline and tyramine in isolated middle cerebral and femoral arteries of cat. Marin J, et al. **Gen Pharmacol** 1982;13(2):125–32

Contractile responses and noradrenaline release evoked by serotonin in cat femoral artery: influence of pentobarbital. Marin J, et al. **Gen Pharmacol** 1982;13(2):117–23

Antagonism by PGE2 of the vasoconstriction induced by PGF2 alpha in human ovary in vitro. Varga B, et al. **Gynecol Obstet Invest** 1982;13(1):30–6

Effect of age and spontaneous hypertension on the tachyphylaxis to 5-hydroxytryptamine and angiotensin II in the isolated rat kidney. De Mey C, et al. **Hypertension** 1981 Nov–Dec;3(6):718–24

Chronic potentiation of vasoconstrictor hypertension by adrenocorticotropic hormone. Lohmeier TE, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):138–48

Possible mechanism of prostaglandin-induced renal vasoconstriction in the rat. Schor N, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–81–5

Adrenergic mechanisms do not contribute to salt-induced vasoconstriction in stroke-prone spontaneously hypertensive rat. Takeshita A, et al. **Hypertension** 1982 Mar–Apr;4(2):288–93

Release and vasoactive actions of catecholamines during inhibition of prostaglandin synthesis in normal man. Vierhapper H, et al. **Hypertension** 1982 Jan–Feb;4(1):112–7

Role of alpha-adrenoceptor-mediated vasoconstriction for antihypertensive beta-blockade. Bolli P, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S162–7

Captopril interferes with neurogenic vasoconstriction in the pithed rat by angiotensin-dependent mechanisms. Hatton R, et al. **J Cardiovasc Pharmacol** 1982;4(1):116–23

PY 108–068, a new, potent, and selective inhibitor of calcium-induced contraction of rabbit aortic rings. Hof RP, et al. **J Cardiovasc Pharmacol** 1982 May–Jun;4(3):344–51

Species differences in renal vascular effects of dipyridamole and in the potentiation of adenosine action by dipyridamole. Sakai K, et al. **J Cardiovasc Pharmacol** 1981 May–Jun; 3(3):420–30

Vasoconstriction produced by intracoronary cholinomimetic drugs in isolated donor-perfused hearts of rhesus monkeys: comparison with pig, dog, and rabbit hearts. Sakai K. **J Cardiovasc Pharmacol** 1981 May–Jun;3(3):500–9

Effects of pentobarbital on contractile responses of feline cerebral arteries. Edvinsson L, et al. **J Cereb Blood Flow Metab** 1981;1(4):437–40

Cat pial venoconstriction by topical microapplication of norepinephrine. Ulrich K, et al. **J Cereb Blood Flow Metab** 1982;2(1):109–11

Steroid-induced vasoconstriction: glucocorticoid antagonist studies. Marks R, et al. **J Clin Endocrinol Metab** 1982 May; 54(5):1075–7

Intravenous nitroglycerin for the treatment of chronic cerebral vasoconstriction in the primate. Frazee JG, et al. **J Neurosurg** 1981 Dec;55(6):865–8

Effect of subarachnoid hemorrhage on contractile responses and noradrenaline release evoked in cat cerebral arteries by histamine. Lobato RD, et al. **J Neurosurg** 1981 Oct; 55(4):543–9

Actions of dopamine and apomorphine on the vasoconstrictor responses of perfused mesenteric arteries of mouse, rat and rabbit. Anwar N, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):150–4

Noradrenergic component in the vasoconstriction induced by 5-hydroxytryptamine in goat cerebral arteries. Marin J, et al. **J Pharm Pharmacol** 1981 Nov;33(11):715–9

A pre-junctional action of 5-hydroxytryptamine and methysergide on noradrenergic nerves in dog isolated saphenous vein. Watts AD, et al. **J Pharm Pharmacol** 1981 Aug;33(8):515–20

Pharmacological alteration of antigen-induced contraction of pulmonary arteries isolated from the actively sensitized guinea pig. Hand JM, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):526–35

Adrenochrome-induced coronary artery constriction in the rat heart. Karmazyn M, et al. **J Pharmacol Exp Ther** 1981 Oct;219(1):225–30

Modulation of the vasoconstrictor response to adrenergic stimulation by nucleosides and nucleotides. Lukacsko P, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):344–9

Increased contractility induced in rabbit ear artery by prior exposure to serotonin masks concomitant desensitization to norepinephrine. Rapoport RM, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):338–43

Mechanism of arachidonic acid-induced vasoconstriction in the intact rat kidney: possible involvement of thromboxane A2. Sakr HM, et al. **J Pharmacol Exp Ther** 1982 Jun; 221(3):614–22

Selective antagonism of prostaglandin F2 alpha-mediated vascular responses by N-dimethylamino substitution of prostaglandin F2 alpha. Stinger RB, et al. **J Pharmacol Exp Ther** 1982 Mar;220(3):521–5

Attenuation by arachidonic acid of the effect of vasoconstrictor stimuli in the canine kidney. Sušić H, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):377–82

Effects of cardioplegic solutions on conductive coronary arteries. Chiavarelli M, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):23–7

Vasomotor dynamics associated with cardiac operations. I. Venous tone and the effects of vasodilators. Gall WE, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):724–31

Effects of captopril and prostaglandin I2 on vasoconstrictor responses to norepinephrine and potassium ions in rat mesenteric artery. Kondo K, et al. **Jpn Heart J** 1981 Jul; 22(4):617–25

Vasoactive properties of acetyl glyceryl ether phosphorylcholine and analogues. Humphrey DM, et al. **Lab Invest** 1982 Apr;46(4):422–7

Inhibition by D 600 of norepinephrine- and clonidine-induced responses of the aortae from normotensive (WKY) and spontaneously hypertensive rats (SHR). Nghiem C, et al. **Life Sci** 1982 Jan 4;30(1):45–9

Coronary vasoconstrictor effect of indomethacin in patients with coronary-artery disease. Friedman PL, et al. **N Engl J Med** 1981 Nov 12;305(20):1171–5

Constriction of the isolated intact rat kidney by vasopressin is strongly opposed by PGE1 and PGE2. Pace-Asciak CR, et al. **Prog Lipid Res** 1981;20:605–8

Skeletal muscle vasoconstriction produced by prostaglandin synthesis inhibitors; dependence on pump perfusion. Falotico R, et al. **Prostaglandins** 1981 Jun;21(6):917–32

Opposition of the vasopressin-induced vasoconstriction in the isolated perfused rat kidney by some prostaglandins. Pace-Asciak CR, et al. **Prostaglandins** 1981 Oct; 22(4):567–74

Reversal of vasopressin-induced coronary vasoconstriction by a PGE1 analogue (ONO 1206) in primates. Kottegoda SR, et al. **Prostaglandins Leukotrienes Med** 1982 Apr;

8(4):343–8
Inhibition of vasoconstrictor and vasodilator responses by PGE1 in the intestinal vascular bed of the cat. Lippton HL, et al. **Prostaglandins Med** 1981 Dec;7(6):537–52 (62 ref.)
Paralysis of arteries by intraluminal balloon dilatation. Castaneda-Zuniga WR, et al. **Radiology** 1982 Jul; 144(1):75–6
Leukotriene D4: a potent coronary artery vasoconstrictor associated with impaired ventricular contraction. Michelassi F, et al. **Science** 1982 Aug 27;217(4562):841–3
Coronary artery constriction by oxygen breathing in patients with coronary disease. Ishikawa K, et al. **Tohoku J Exp Med** 1981 Jul;134(3):265–71
[Validity of the transcutaneous PO2-measurement during pharmacologically induced changes of skin perfusion (author's transl)] Wendling P, et al. **Anaesthesist** 1982 Mar; 31(3):135–8 (Eng. Abstr.) **(Ger)**
[Specificity of organ vessel responses to catecholamine (author's transl)] Ito Y, et al. **Kokyu To Junkan** 1981 Jul; 29(7):693–7 **(Jpn)**
[Pharmacological contraction of the ductus arteriosus (author's transl)] Momma K. **Kokyu To Junkan** 1981 Oct; 29(10):1026–34 (104 ref.) **(Jpn)**
[Experimental study of cerebral vasospasm –biochemical analysis of vasoconstrictor in the red blood cell hemolysate and the mechanism of action (author's transl)] Okamoto S. **Nippon Geka Hokan** 1982 Jan 1;51(1):93–103 (Eng. Abstr.) **(Jpn)**
[The mode of action of ATP on the isolated internal carotid artery (author's transl)] Kawai Y, et al. **Nippon Heikatsukin Gakkai Zasshi** 1981 Sep;17(3):131–6 (Eng. Abstr.) **(Jpn)**
[Effects of adenosine compounds on the contractile response of isolated canine blood vessels to various agonists (author's transl)] Ohtaki Y, et al. **Nippon Yakurigaku Zasshi** 1980 Nov;76(8):717–27 (Eng. Abstr.) **(Jpn)**
[Pharmacologic removal of guanethidine-induced blockade of neurogenic contractions of the veins (author's transl)] Török J, et al. **Bratisl Lek Listy** 1982 May;77(5):544–55 (Eng. Abstr.) **(Slo)**

VASOCONSTRICTOR AGENTS

Vasoconstriction induced by delta 9-tetrahydrocannabinol on the perfused rabbit ear artery. Barbosa PP, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):253–61
A study on constrictor response of dog coronary arteries to acetylsalicylic acid. Sakanashi M, et al. **Arch Int Pharmacodyn Ther** 1981 Jul;252(1):86–96
A comparison of the vasoconstrictor effects of angiotensin II and angiotensin III in the canine renal vasculature. Satoh S, et al. **Arch Int Pharmacodyn Ther** 1981 Jun;251(2):301–9
Evidence for mobilization of intracellular calcium during the contractile response of the rat aorta to U44069. Heaslip RJ, et al. **Can J Physiol Pharmacol** 1982 May;60(5):743–6
Structure activity relations among cyclic & acyclic S-(3-indolyl) isothioureas-development of a potent vasoconstrictor, tinazoline, 3-(2-imidazolin-2-yl-thio)indole. Nagarajan K, et al. **Indian J Exp Biol** 1981 Dec;19(12):1150–3
Modification of the vasomotor actions of methysergide in the femoral arterial bed of the anaesthetized dog by changes in sympathetic nerve activity. Feniuk W, et al. **J Auton Pharmacol** 1981 Mar;1(2):127–32
Studies on the vasoconstrictor activities of imidazolidine derivatives in various vascular beds. Hepburn ER, et al. **J Cardiovasc Pharmacol** 1982 Mar–Apr;4(2):297–302
Catecholamine-mediated constrictor effects of aldosterone on vascular smooth muscle. Weber MA, et al. **Life Sci** 1982 Jun 7;30(23):2009–17

ADMINISTRATION & DOSAGE

Spinal anesthesia with hyperbaric bupivacaine: effect of added vasoconstrictors. Chambers WA, et al. **Anesth Analg (Cleve)** 1982 Jan;61(1):49–52
A comparative study of vasoconstrictors and determination of their safe dose under halothane anesthesia. Buhrow JA, et al. **J Oral Surg** 1981 Dec;39(12):934–7

ADVERSE EFFECTS

Coronary vasoconstriction caused by indomethacin [letter] O'Brien WM. **N Engl J Med** 1982 Apr 22;306(16):991–2

BLOOD

Humoral vasoconstrictor counteracts indomethacin blockage of arachidonate induced vasodilation. Moretti RL. **J Mol Cell Cardiol** 1981 Jul;13(7):695–7

ISOLATION & PURIFICATION

[Experimental study of cerebral vasospasm –biochemical analysis of vasoconstrictor in the red blood cell hemolysate and the mechanism of action (author's transl)] Okamoto S. **Nippon Geka Hokan** 1982 Jan 1;51(1):93–103 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The effect of temperature elevation on the cerebrovascular response to noradrenaline and 5-hydroxytryptamine. Hardebo JE, et al. **Acta Physiol Scand** 1981 Aug; 112(4):413–6
Responses to ions and vasoconstrictor agents and changes of potassium fluxes in vascular smooth muscle during hypoxia. Sigurdsson SB, et al. **Acta Physiol Scand** 1981 Aug;112(4):455–62
Agonists and antagonists of vascular receptors. Saxena PR. **Adv Neurol** 1982;33:309–14 (56 ref.)
Vasoactive agents and splanchnic oxygen uptake. Kvietys PR, et al. **Am J Physiol** 1982 Jul;243(1):G1–9 (50 ref.)
Interaction between 5-hydroxytryptamine and other vasoconstrictor substances in the isolated femoral artery of the rabbit; effect of ketanserin (R 41 468). Van Nueten JM, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):281–7
Pharmacological properties of Go. 7996B (Varsyl). Grewal RS, et al. **Indian J Exp Biol** 1981 Aug;19(8):733–7
Potentiation by ouabain of the response to vasoconstrictor agents of isolated dog cerebral and mesenteric arteries soaked in Ca2+-free media. Toda N. **J Cardiovasc Pharmacol** 1982 May–Jun;4(3):469–74
Effects of indomethacin and prostacyclin on isolated human pial arteries contracted by CSF from patients with aneurysmal SAH. Brandt L, et al. **J Neurosurg** 1981 Dec; 55(6):877–83
Effect of vasoactive agents on chronic saline loaded anaesthetised rats. Gan EK, et al. **Med J Malaysia** 1981 Jun;36(2):112–5
The role of endogenous prostanoids in the response of the rat gastric microcirculation to vasoactive agents. Guth PH, et al. **Microvasc Res** 1982 May;23(3):336–46
Effects of arachidonic acid hydroperoxides on vascular and non-vascular smooth muscle. Aharony D, et al. **Prostaglandins Med** 1981 Dec;7(6):527–35

THERAPEUTIC USE

Drug treatment of migraine headache. Calesnick B. **Am Fam Physician** 1982 May;25(5):228–30
[Treatment of acute GI-bleedings by vasopressive agents (author's transl)] Güller R. **Praxis** 1981 Sep 29; 70(40):1747–50 (Eng. Abstr.) **(Ger)**

VASOCONSTRICTOR AGENTS, NASAL

Nasal decongestant effect of propylhexedrine. Hamilton LH. **Ann Otol Rhinol Laryngol** 1982 Jan–Feb;91(1 Pt 1):106–11
Nasal vasoconstrictor activity of a novel PGE2 analog. Jackson RT, et al. **Prostaglandins** 1981 Jun;21(6):1015–24
Severe psychological disturbance resulting from abuse of nasal decongestants. Blackwood GW. **Scott Med J** 1982 Apr;27(2):175–6

ADVERSE EFFECTS

Mineralocorticoid hypertension due to a nasal spray containing 9 alpha-fluoroprednisolone. Mantero F, et al. **Am J Med** 1981 Sep;71(3):352–7
Contact dermatitis from nasal sprays and amyl nitrite. Romaguera C, et al. **Contact Dermatitis** 1982 Jul;8(4):266–7
Hypokalemic myopathy associated with intranasal steroid use (factitious mineralocorticoid excess syndrome. Cantello R, et al. **J Neurol** 1982;226(4):265–8
Psychiatric morbidity from long-term medications [editorial] DePaulo JR. **JAMA** 1982 Apr 2;247(13):1867
Chronic hallucinosis from nasal drops. Escobar JI, et al. **JAMA** 1982 Apr 2;247(13):1859–60
Decongestant-induced blepharospasm and orofacial dystonia. Powers JM. **JAMA** 1982 Jun 18;247(23):3244–5
Rhinitis medicamentosa. Toohill RJ, et al. **Laryngoscope** 1981 Oct;91(10):1614–21
Treatment with xylometazoline (Otrivin) nosedrops over a six-week period. Petruson B. **Rhinology** 1981 Sep; 19(3):167–72
Rhinitis medicamentosa: the forgotten factor in nasal obstruction. Mabry RL. **South Med J** 1982 Jul;75(7):817–9
[Juvenile arteriopathy and nasal sympathomimetics (letter)] Dezellus P, et al. **Nouv Presse Med** 1982 Jun 19;11(29):2231 **(Fre)**

THERAPEUTIC USE

The use of an antihistamine–decongestant in conjunction with an anti-infective drug in the treatment of acute otitis media. Moran DM, et al. **J Pediatr** 1982 Jul;101(1):132–6
[Value of a new functional dacryocystography test--discussion] Cabanis EA, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):471–3 **(Fre)**
[Paranasal sinus inflammation and its drug therapy with Sinupret] Goroll M, et al. **Ther Ggw** 1982 Jan;121(1):21–5 **(Ger)**

VASODILATION

Nasal vasomotor oscillations in the cat associated with the respiratory rhythm. Eccles R, et al. **Acta Otolaryngol (Stockh)** 1981 Sep–Oct;92(3–4):357–61
Reflection effects of vaso-active drugs on arterial pulse propagation velocities measured in-vivo in a dog. Laogun AA. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):111–6
Shock complicating myocardial infarction. Mayer WP, et al. **Alaska Med** 1981 Jan–Feb;23(1):1–4
Regional coronary artery dilation response in variant angina. Hill JA, et al. **Am Heart J** 1982 Aug;104(2 Pt 1):226–33
Comparison of three methods of evaluating coronary obstructive lesions: postmortem arteriography, pathologic examination and measurement of regional myocardium perfusion during maximal vasodilation. Marcus ML, et al. **Am J Cardiol** 1982 May;49(7):1699–706
Vasoactive effect of sera from preeclamptic patients. Puffer HW, et al. **Am J Obstet Gynecol** 1982 Feb 15;142(4):468–70
Coronary dilator actions of adenosine and CO2 in experimental diabetes. Downing SE, et al. **Am J Physiol** 1982 Aug;243(2):H252–8
Vasodilation or altered perfusion pressure moves 15-micrometers spheres trapped in the gut wall. Maxwell LC, et al. **Am J Physiol** 1982 Jul;243(1):H123–7
Global cerebral vasodilation by stimulation of rat fastigial cerebellar nucleus. Nakai M, et al. **Am J Physiol** 1982 Aug; 243(2):H226–35
Standardization of ocular surface injection intensity. Abelson MB, et al. **Ann Ophthalmol** 1981 Oct;13(10):1225
Rabbit mesenteric artery receptors formed by cold exposure mediating increased histamine-induced relaxation. Horst MA, et al. **Arch Int Pharmacodyn Ther** 1982 Apr; 256(2):192–203
Coronary vasodilation produced by tachycardia under various basal flow conditions. Kedem J, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):287–94
Effect of coronary vasodilation produced by hypopnea upon regional myocardial oxygen balance. Sonn J, et al. **Arch Int Physiol Biochim** 1981 Dec;89(5):445–55
Curvilinearity of the diastolic pressure-flow relationship in autoregulating and maximally vasodilated coronary beds; effects on estimates of zero-flow pressure and differences between zero-flow and intracavitary diastolic pressures. Role of capacitive effects in the determination of zero-flow pressure from long diastoles. Klocke FJ, et al. **Basic Res Cardiol** 1981 Sep–Oct;76(5):556–8
Assessment of vasoactive metabolites released from the isolated guinea pig during heart hypoxia and beta-adrenergic stimulation. Schrader J, et al. **Basic Res Cardiol** 1981 Jul–Aug;76(4):365–8
Heart bioassay of effluent of isolated, perfused guinea pig hearts to examine the role of metabolites regulating coronary flow during hypoxia. Stowe DF. **Basic Res Cardiol** 1981 Jul–Aug;76(4):359–64
Overlearning and instructional control of extinction of vasomotor responding. Eaglen A, et al. **Behav Res Ther** 1982;20(1):41–8
Depressed reflex vasomotor control of the burn wound. Aulick LH, et al. **Cardiovasc Res** 1982 Mar;16(3):113–9
Physiological significance of coronary flow velocity and changing stenosis geometry during coronary vasodilation in awake dogs. Gould KL, et al. **Circ Res** 1982 May; 50(5):695–704
Ultrastructural distribution of vasodilator and constrictor nerves in cat cerebral arteries. Lee TJ. **Circ Res** 1981 Oct; 49(4):971–9
Coronary vasodilation after a single ventricular extra-activation in the conscious dog. Schwartz GG, et al. **Circ Res** 1982 Jan;50(1):38–46
Limited maximal vasodilator capacity of forearm resistance vessels in normotensive young men with a familial predisposition to hypertension. Takeshita A, et al. **Circ Res** 1982 May;50(5):671–7
Effects of duration and severity of arterial hypertension and cardiac hypertrophy on coronary vasodilator reserve. Wangler RD, et al. **Circ Res** 1982 Jul;51(1):10–8
Tomographic thallium-201 myocardial perfusion scintigrams after maximal coronary artery vasodilation with intravenous dipyridamole. Comparison of qualitative and quantitative approaches. Francisco DA, et al. **Circulation** 1982 Aug;66(2):370–9
Prostacyclin-induced acute pulmonary vasodilation in primary pulmonary hypertension. Rubin LJ, et al. **Circulation** 1982 Aug;66(2):334–8
Unaltered maximum reflex vasodilatory capacity of the perfused hindquarters of spontaneously hypertensive rats. Lee JY, et al. **Clin Exp Hypertens** 1981;3(5):1019–38
The malar blush in children. Cavanaugh RM Jr. **Clin Pediatr (Phila)** 1981 Dec;20(12):802
Superficial temporal arterial dilation without headache in extracranial–intracranial bypass patients. Myers DE, et al. **Headache** 1982 May;22(3):118–21
Rosacea flushing. Bernstein JE. **Int J Dermatol** 1982 Jan–Feb; 21(1):24
Reactive hyperemia as an indicator of peripheral vasodilation associated with arterial stenoses. Beckmann CF, et al. **Invest Radiol** 1982 Jan–Feb;17(1):77–81
Brain stem sites mediating adrenergic and non-adrenergic vasodilatation in the dog's nose and tongue. Nagai M, et al. **J Auton Nerv Syst** 1981 Nov;4(4):365–79
Cholinergic cerebral vasodilatation in the rabbit: absence of concomitant metabolic activation. Scremin OU, et al. **J Cereb Blood Flow Metab** 1982;2(2):241–7
Zero-flow pressures and pressure-flow relationships during single long diastoles in the canine coronary bed before and during maximum vasodilation. Limited influence of capacitive effects. Klocke FJ, et al. **J Clin Invest** 1981 Oct; 68(4):970–80
Blood flow in fingers in generalized scleroderma with Raynaud's phenomenon: influence of arterial blood pressure reduction and proximal vasodilatation. Kristensen JK. **J Invest Dermatol** 1981 Oct;77(4):373–6
Regional myocardial blood flow and coronary vasodilator reserve during acute right ventricular failure due to

pressure overload in swine. Manohar M, et al. **J Surg Res** 1981 Nov;31(5):382–91

Facial vasodilation – blushing. Jawad F. **JPMA** 1982 Mar; 32(3):54–5

Increase in osmolality of venous blood from skeletal muscle during cholinergic vasodilatation. Berdina NA, et al. **Pflugers Arch** 1982 Feb;392(4):394–8

Nasal vasodilation induced by electrical stimulation of the vagus nerve. Eccles KS, et al. **Rhinology** 1982 Jun; 20(2):89–92

[Thermoregulatory and hemodynamic aspects of acute drug–induced vasodilation in the skin and the simultaneous use of beta–blockers in arterial hypertension] Kadeřávek F. **Vnitr Lek** 1981 Apr;27(4):372–9 (Eng. Abstr.) **(Cze)**

[Adrenergic and cholinergic regulation of the tonus of coronary vessels in old dogs] Frol'kis VV, et al. **Biull Eksp Biol Med** 1982 Feb;93(2):5–7 **(Rus)**

[Changes in plasma composition resulting in an increase in the osmotic pressure of venous blood during the cholinergic dilatation effect] Berdina NA, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1647–51 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects on cerebral blood flow of infusion of hyperosmolar saline during cerebral vasodilation in the dog. Arvidsson S, et al. **Acta Anaesthesiol Scand** 1981 Apr;25(2):153–7

Vascular and metabolic effects of methylprednisolone and phenoxybenzamine during controlled hypotension in the dog. Haglund U, et al. **Acta Anaesthesiol Scand** 1981 Jun; 25(3):193–9

Evidence that substance P is a mediator of antidromic vasodilatation using somatostatin as a release inhibitor. Gazelius B, et al. **Acta Physiol Scand** 1981 Oct;113(2):155–9

Inhibition of antidromic and substance P–induced vasodilatation by a substance P antagonist. Rosell S, et al. **Acta Physiol Scand** 1981 Mar;111(3):381–2

Gastric vascular actions of prostanoids and the dual effect of arachidonic acid. Kauffman GL Jr, et al. **Am J Physiol** 1982 Jun;242(6):G582–7

Effects of antihistamines and indomethacin on hyperosmolar–induced vasodilation. Pinsky MR, et al. **Am J Physiol** 1982 Mar;242(3):H450–5

Arterial and venous dilation by nitroprusside and nitroglycerin—is there a difference? Gerson JI, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):256–60

Brain cyclic–AMP and possible mechanisms of cerebrovascular dilation by anesthetics in rats. MacMurdo SD, et al. **Anesthesiology** 1981 Oct;55(4):435–8

Increased effective vascular compliance and venous pooling of intravascular volume during sustained venodilation in conscious dogs. Holtz J, et al. **Basic Res Cardiol** 1981 Nov–Dec;76(6):657–69

Can a single vasodilator be responsible for both coronary autoregulation and metabolic vasodilation? Laird JD, et al. **Basic Res Cardiol** 1981 Jul–Aug;76(4):354–8

Alcohol–induced rosacea flushing blocked by naloxone. Bernstein JE, et al. **Br J Dermatol** 1982 Jul;107(1):59–61

Benztropine–induced prolongation of responses to vasodilator nerve stimulation in the canine paw pad. Bell C. **Br J Pharmacol** 1982 Jun;76(2):231–3

Diltiazem–induced vasodilatation of smooth muscle cells of the canine basilar artery. Fujiwara S, et al. **Br J Pharmacol** 1982 Mar;75(3):455–67

Antihistamine–sensitive vasodilatation in the canine hindlimb evoked by electrical stimulation rostral to the hypothalamus. Eddie GA, et al. **Brain Res** 1981 Oct 26; 223(1):210–3

Time–dependent response of coronary flow to prolonged adenosine infusion: doubling of peak reactive hyperaemic flow. L'Abbate A, et al. **Cardiovasc Res** 1981 May; 15(5):282–6

Use of hexobendine to examine whether the coronary vasodilator metabolite released from guinea–pig isolated hearts is adenosine. Rothaul AL, et al. **Cardiovasc Res** 1981 Oct;15(10):599–610

Complication of nitroprusside therapy [letter] Rosenthal R, et al. **Chest** 1982 Mar;81(3):392–3

Distribution of choline acetyltransferase in cerebral and extracerebral cranial arteries of the cat. Its relationship to neurogenic atropine–sensitive dilation. Bevan JA, et al. **Circ Res** 1982 Apr;50(4):470–6

Transmural right ventricular blood flow during acute pulmonary artery hypertension in the sedated dog. Evidence for subendocardial ischemia despite residual vasodilator reserve. Gold FL, et al. **Circ Res** 1982 Aug; 51(2):196–204

Membrane electrical mechanism of basilar artery constriction and pial artery dilation by norepinephrine. Harder DR, et al. **Circ Res** 1981 Dec;49(6):1237–42

Responsiveness to cardiac sympathetic nerve stimulation during maximal coronary dilation produced by adenosine. Johannsen UJ, et al. **Circ Res** 1982 Apr;50(4):510–7

The mechanisms of nitroglycerin action: stenosis vasodilatation as a major component of the drug response. Brown BG, et al. **Circulation** 1981 Dec;64(6):1089–97

Aspirin blocks nicotinic acid–induced flushing. Wilkin JK, et al. **Clin Pharmacol Ther** 1982 Apr;31(4):478–82

Induction and inhibition of uterine vasodilation by catechol estrogen in oophorectomized, nonpregnant ewes. Rosenfeld CR, et al. **Endocrinology** 1982 Apr;110(4):1333–9

Adenosine triphosphate–evoked vascular changes in human skin: mechanism of action. Coutts AA, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):391–401

Propranolol and sotalol augment the coronary vasodilatory action of prostacyclin (PGI2) in rabbit isolated hearts. Gillespie MN, et al. **Eur J Pharmacol** 1981 Oct 22; 75(2–3):155–8

Impromidine, a potent dilator of cat pial arterioles. Gross PM, et al. **Eur J Pharmacol** 1981 Jul 17;73(2–3):225–7

Blockade of nicotinic receptors in brain with d–tubocurarine induces decreased metabolism, cutaneous vasodilation and hypothermia in rats. Lin MT, et al. **Experientia** 1981; 37(9):986–8

Possible 5–hydroxytryptamine component in the effect of apomorphine in isolated cerebral and peripheral arteries. Oudart N, et al. **Experientia** 1981 Oct 15;37(10):1096–7

Enhancement of the sensitivity of hamster check pouch arterioles to beta–adrenergic stimulus during pregnancy. Zsolnai B, et al. **Experientia** 1982 Apr 15;38(4):478–9

Nitroprusside–induced vascular relaxation in DOCA hypertensive rats. Cohen DM, et al. **Hypertension** 1982 Jan–Feb;4(1):13–9

Enhanced vasodilatation in essential hypertension by calcium channel blockade with verapamil. Hulthén UL, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):26–31

Furosemide increases urine 6–keto–prostaglandin F1 alpha. Relation to natriuresis, vasodilation, and renin release. Wilson TW, et al. **Hypertension** 1982 Sep–Oct;4(5):634–41

Beta–endorphin. Vasodilating effect on the microcirculatory system of hamster cheek pouch. Wong TM, et al. **Int J Pept Protein Res** 1981 Oct;18(4):420–2

Alpha–adrenoceptor blockade by phentolamine causes beta–adrenergic vasodilation by increased catecholamine release due to presynaptic alpha–blockade. Saeed M, et al. **J Cardiovasc Pharmacol** 1982;4(1):44–52

Bioavailability of organic nitrates: a comparison of methods for evaluating plethysmographic responses. Haffty BG, et al. **J Clin Pharmacol** 1982 Feb–Mar;22(2–3):117–24

Humoral vasoconstrictor counteracts indomethacin blockage of arachidonate induced vasodilation. Moretti RL. **J Mol Cell Cardiol** 1981 Jul;13(7):695–7

Influence of deaminated metabolites on the relaxing effect of dopamine on dog saphenous vein. Teixeira F, et al. **J Pharm Pharmacol** 1981 Aug;33(8):529–33

Difference in site and time course of coronary dilating effects of trapidil, nitroglycerin and dipyridamole in anesthetized dogs. Noguchi K, et al. **J Pharmacol Exp Ther** 1981 Dec; 219(3):809–14

Pharmacological modification of the edema produced by combined infusions of prostaglandin E1 and bradykinin in canine forelimbs. Prasad CM, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):293–8

Pharmacological evaluation in conscious dogs of factors involved in the renal vasodilator effect of captopril. Wong PC, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):646–50

Effects of cardioplegic solutions on conductive coronary arteries. Chiavarelli M, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):23–7

Hyperosmolality, acetate, and lactate: dilatory factors during peritoneal dialysis. Miller FN, et al. **Kidney Int** 1981 Sep; 20(3):397–402

Acute effects of salbutamol on arteriolar vasodilatation and blood pressure in spontaneously hypertensive rats. Dusseau JW, et al. **Microvasc Res** 1981 Jul;22(1):1–13

Demonstration of specific vascular dopamine receptors mediating vasodilation on the isolated rabbit mesenteric artery. Brodde OE, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):24–30

The influence of indomethacin on vasodilator responses to bradykinin and nitroglycerin in the cat. Lippton HL, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):165–9

Catecholamine–induced vasodilator metabolite release from guinea–pig hearts is not due to increased myocardial activity. Broadley KJ, et al. **Pflugers Arch** 1981 Aug; 391(2):147–53

Inhibition of vasoconstrictor and vasodilator responses by PGE1 in the intestinal vascular bed of the cat. Lippton HL, et al. **Prostaglandins Med** 1981 Dec;7(6):537–52 (62 ref.)

Who is a biomedical engineer? [editorial] **S Afr Med J** 1981 Sep 5;60(10):374

Dimethyl sulfoxide (DMSO) and glycerol, hydroxyl radical scavengers, impair platelet aggregation within and eliminate the accompanying vasodilation of, injured mouse pial arterioles. Rosenblum WI, et al. **Stroke** 1982 Jan–Feb; 13(1):35–9

Characterization of neuronal and vascular histamine receptors mediating the salivary and vasodilator responses to histamine of the dog submandibular gland. Shimizu T, et al. **Tohoku J Exp Med** 1981 May;134(1):1–8

[Coronary artery dilatation induced by isosorbide dinitrate injection (author's transl)] Lablanche JM, et al. **Nouv Presse Med** 1982 Jun 10;11(27):2057–61 (Eng. Abstr.) **(Fre)**

[Validity of the transcutaneous PO2–measurement during pharmacologically induced changes of skin perfusion (author's transl)] Wendling P, et al. **Anaesthesist** 1982 Mar; 31(3):135–8 (Eng. Abstr.) **(Ger)**

[Effects of papaverine on peripheral vascular areas in the dog] Marchetti G, et al. **Farmaco [Prat]** 1981 Aug; 36(8):390–5 (Eng. Abstr.) **(Ita)**

[Progressive increase of the coronary flow above peak reactive hyperemia during prolonged intracoronary infusion of adenosine (author's transl)] L'Abbate A, et al. **G Ital Cardiol** 1981;11(4):430–40 (Eng. Abstr.) **(Ita)**

[Selective vasodilatation of the subepicardial coronary vasculature induced by carbochromen (author's transl)] L'Abbate A, et al. **G Ital Cardiol** 1981;11(5):663–70 (Eng. Abstr.) **(Ita)**

VASODILATOR AGENTS

Relaxation by dopaminergic agonists in cerebral and peripheral arteries (in vitro). Oudart N, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):196–209

Pial arterial vasodilation by intravenous nimodipine in cats. Auer LM. **Arzneimittelforsch** 1981;31(9):1423–5

Vasodilating properties of beta–adrenoceptor blockers with intrinsic sympathomimetic activity. Thulesius O, et al. **Br J Clin Pharmacol** 1982;13(Suppl 2):229S–230S

Renal vasodilator activity of prostaglandin E2 in the rat anaesthetized with pentobarbitone. Haylor J, et al. **Br J Pharmacol** 1982 May;76(1):131–7

Prostacyclin and the vascular endothelium. Moncada S, et al. **Bull Eur Physiopathol Respir** 1981;17(4):687–701 (144 ref.)

Vasodilator actions of several N–nitroso compounds. Lippton HL, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):68–75

Kinetic analysis of the vasodilator and ganglionic blocking actions of N–acetylprocainamide. Eudeikis JR, et al. **J Cardiovasc Pharmacol** 1982 Mar–Apr;4(2):303–9

Are coronary vasodilator effects of inosine and adenosine independent of each other? Juhász–Nagy A, et al. **J Cardiovasc Pharmacol** 1982 Mar–Apr;4(2):330–1

Dopamine agonist properties of N–alkyl–4–(3,4–dihydroxyphenyl)–1,2,3,4–tetrahydroisoqu Jacob JN, et al. **J Med Chem** 1981 Aug;24(8):1013–5

Coronary arterial vasodilator effect of ibuprofen. Apstein CS, et al. **J Pharmacol Exp Ther** 1982 Jan;220(1):167–71

An orally active prostaglandin analog with renal vasodilatory activity in the dog. Blaine EH, et al. **J Pharmacol Exp Ther** 1982 Jul;222(1):152–8

[Comparative study of femoral vasodilatator effects of naftidrofuryl and nicergoline on dog (author's transl)] Luong TN, et al. **J Pharmacol** 1981 Jul–Sep;12(3):263–75 (Eng. Abstr.) **(Fre)**

[Effect of a number of psychoactive agents on indices of cerebral circulation in patients with chronic cerebrovascular insufficiency] Eninia GI, et al. **Klin Med (Mosk)** 1981 Sep;59(9):42–5 **(Rus)**

ADMINISTRATION & DOSAGE

Digital control of mean arterial blood pressure in dogs by injecting a vasodilator drug. Koivo AJ, et al. **Ann Biomed Eng** 1981;9(3):185–97

Computer control of the infusion of vasoactive drugs. Sheppard LC. **Ann Biomed Eng** 1980;8(4–6):431–4

Vasodilator therapy for congestive heart failure. Fouad FM. **Cardiovasc Clin** 1981;12(2):127–35

Effectiveness of long–term vasodilator administration in the treatment of chronic left ventricular failure. Franciosa JA. **Prog Cardiovasc Dis** 1982 Jan–Feb;24(4):319–30 (90 ref.)

[Long–term use of vasodilator agents] Luomanmaki K, et al. **Duodecim** 1982;98(2):139–49 **(Fin)**

[Graduated plan for the treatment of hypertension] Zilcher H, et al. **Med Klin** 1981 Sep 25;76(20):568–9 **(Ger)**

[Poststenotic systolic pressure and blood flow measurements during intra–arterial and vasoactive therapy] Doering G, et al. **Z Gesamte Inn Med** 1981 Aug 1;36(15):524–7 (Eng. Abstr.) **(Ger)**

[Vasodilators in vascular surgery] Raso AM, et al. **Minerva Cardioangiol** 1982 Jan–Feb;30(1–2):15–20 (Eng. Abstr.) **(Ita)**

[Electrocardiographic changes in asthma as affected by various drugs combined with phentolamine (Regitine)] Krasnowska M, et al. **Pol Tyg Lek** 1981 Jun 8;36(23):833–5 (Eng. Abstr.) **(Pol)**

[Dimethylsulfoxide as a vehicle for vasoactive drugs in the treatment of systemic scleroderma] Balabanova RM, et al. **Ter Arkh** 1982;54(2):118–21 (Eng. Abstr.) **(Rus)**

[Peripheral vasodilators in the treatment of cardiac insufficiency] Mukharliamov NM. **Ter Arkh** 1981; 53(8):7–10 **(Rus)**

[Treatment of various dermatoses by intrafocal stimulation of vascular reactions] Nikitin FN. **Vestn Dermatol Venerol** 1982 Feb;(2):52–4 (Eng. Abstr.) **(Rus)**

[Complex treatment of unfavourable course of epilepsy in adolescents with anticonvulsants and complamin] Martyniuk VIu. **Vrach Delo** 1981 Oct;(10):95–7 **(Rus)**

[Chronic use of vasodilators in congestive cardiac insufficiency] Quesada Vargas O. **Cardiology** 1980;66 Suppl 2:169–76 **(Spa)**

ADVERSE EFFECTS

Provocation of myocardial ischemic events during initiation of vasodilator therapy for severe chronic heart failure. Clinical and hemodynamic evaluation of 52 consecutive patients with ischemic cardiomyopathy. Packer M, et al. **Am J Cardiol** 1981 Nov;48(5):939–46

Severe tracheobronchitis from inhalation of an isobutyl nitrite preparation. Covalla JR, et al. **Drug Intell Clin Pharm** 1981 Jan;15(1):51–2

Dose–response of clonidine on plasma catecholamines in the

hypernoradrenergic state associated with vasodilator beta-blocker therapy. Mitchell HC, et al. **J Cardiovasc Pharmacol** 1981 May-Jun;3(3):647-54

Tolerance of healthy adult males in intravenous infusion of cetiedil, a vasoerythroactive drug. Lewis GP, et al. **J Clin Pharmacol** 1982 May-Jun;22(5-6):243-9

Deleterious effects of hydralazine in patients with pulmonary hypertension. Packer M, et al. **N Engl J Med** 1982 Jun 3;306(22):1326-31

ANALYSIS

Simultaneous evaluation of apovincaminic acid esters and their metabolite apovincaminic acid by solvent partition and GLC in biological samples. Preliminary data with MR 711. Marzo A, et al. **Arzneimittelforsch** 1981;31(10):1681-4

Analogs of phosphatidylcholine: alpha-adrenergic antagonists from the renal medulla. Smith KA, et al. **Hypertension** 1981 Jul-Aug;3(4):460-70

ANTAGONISTS & INHIBITORS

Inhibition by nicotine of the vasodilator effect of bradykinin: evidence for a prostacyclin-dependent mechanism. Türker RK, et al. **Arch Int Pharmacodyn Ther** 1982 May; 257(1):94-103

BLOOD

Digitalis and vasoactive drugs. Howanitz JH, et al. **Clin Lab Med** 1981 Sep;1(3):523-39 (72 ref.)

Analysis of buflomedil in mouse, rat and rabbit plasma by reversed-phase ion-pair high-performance liquid chromatography. Thomas EW. **J Chromatogr** 1982 Mar 12;228:387-91

CHEMICAL SYNTHESIS

Studies on new vasodilators, WS-1228 A and B. II. Structure and synthesis. Tanaka H, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):157-63

DIAGNOSTIC USE

Double-blind capillaroscopic study of the activity of buflomedil in Raynaud's syndrome: a report on 80 cases. Courbier R, et al. **Angiology** 1981 Oct;32(10):676-8

ISOLATION & PURIFICATION

Studies on new vasodilators, WS-1228 A and B. I. Discovery, taxonomy, isolation and characterization. Yoshida K, et al. **J Antibiot (Tokyo)** 1982 Feb;35(2):151-6

METABOLISM

Isosorbide 5-mononitrate pharmacokinetics in humans. Taylor T, et al. **Biopharm Drug Dispos** 1981 Jul-Sep; 2(3):255-63

Increased conversion of arachidonic acid to vasodilator prostanoids in spontaneously hypertensive rats. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** 1981 Sep-Oct; 8(5):435-40

The clinical pharmacokinetics of buflomedil in normal subjects after intravenous and oral administration. Gundert-Remy U, et al. **Eur J Clin Pharmacol** 1981; 20(6):459-63

Determination of apovincaminic acid in human plasma by gas-liquid chromatography. Polgár M, et al. **J Chromatogr** 1982 May 28;241(1):29-32

Measurements of oxygen tension in perfusates from guinea pig isolated hearts and the demonstration of coronary vasodilator material. Rothaul AL, et al. **J Pharmacol Methods** 1982 Mar;7(2):91-103

Subcellular distribution of coronary dilatatory protein-hormonal complexes in rat hypothalamus. Srapionian RM, et al. **Neurochem Res** 1981 Dec; 6(12):1299-307

PHARMACODYNAMICS

Effect of a new vasodilator, pinacidil (P 1134), on potassium, noradrenaline and serotonin induced contractions in rabbit vascular tissues. Nielsen CK, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):427-31

Effect of aligeron on the resistance of the cerebral and peripheral blood vessels. Nikolov R, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):54-9

Influence of stenopril on the isometric myogram and the action potential of isolated myocardium of warm-blooded animals. Spassov G, et al. **Acta Physiol Pharmacol Bulg** 1981;7(3):26-33

Role of adenosine in adipose tissue circulation. Sollevi A, et al. **Acta Physiol Scand** 1981 Jul;112(3):293-8

Agonists and antagonists of vascular receptors. Saxena PR. **Adv Neurol** 1982;33:309-14 (56 ref.)

Effects of prostacyclin on systemic and coronary hemodynamics in the dog. Mehta J, et al. **Am Heart J** 1981 Nov;102(5):835-40

Deactivation of the uterus during normal and premature labor by the calcium antagonist nicardipine. Csapo AI, et al. **Am J Obstet Gynecol** 1982 Mar 1;142(5):483-91

Vasoactive agents and splanchnic oxygen uptake. Kvietys PR, et al. **Am J Physiol** 1982 Jul;243(1):G1-9 (50 ref.)

An experimental overview of a new vasoactive drug: buflomedil HCl. Dubourg A, et al. **Angiology** 1981 Oct; 32(10):663-75 (52 ref.)

Effects of 1-(5'-oxohexyl)-3-methyl-7-propylxanthine (HWA 285) on viability of ischemic jeopardized myocardium after acute coronary artery occlusion and reperfusion. Fiedler VB, et al. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):70-84

Effects of 2-nicotinamidethyl nitrate (SG-75) and/or nitroglycerin on systemic hemodynamics and coronary blood flow in conscious dogs. Mizukami M, et al. **Arzneimittelforsch** 1981;31(8):1244-7

Characterization of cardiovascular actions of CS-611, a new coronary dilator, in the dog. Motomura S, et al. **Arzneimittelforsch** 1981;31(8):1238-44

Effects of nicardipine, a new dihydropyridine vasodilator, on coronary circulation and ischemia-induced conduction delay in dogs. Nakaya H, et al. **Arzneimittelforsch** 1982; 32(6):626-9

Effects of molsidomine on the coronary circulation in anesthetized dogs. Fiedler VB, et al. **Basic Res Cardiol** 1982 May-Jun;77(3):270-7

Can a single vasodilator be responsible for both coronary autoregulation and metabolic vasodilation? Laird JD, et al. **Basic Res Cardiol** 1981 Jul-Aug;76(4):354-8

Calmodulin antagonists inhibit Ca2+ uptake of mitochondria of guinea pig peritoneal macrophages. Hirata M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1176-81

Cutaneous microcirculatory effects of various vasodilator agents on the conscious rabbit, with special regard to changes in the rhythmic property of vasomotion. Asano M, et al. **Biochem Exp Biol** 1980;16(4):341-8

An assessment of beta-adrenoceptor blockade in man by prizidilol hydrochloride. Pitcher DW, et al. **Br J Clin Pharmacol** 1982 May;13(5):711-6

Effects of vasodilator agents on smooth muscle cells of the coronary artery of the pig. Itoh T, et al. **Br J Pharmacol** 1981 Oct;74(2):455-68

Effects of glyceryl trinitrate and SIN-1A on musculature and vasculature of the dog trachea in situ. Maruyama M, et al. **Br J Pharmacol** 1981 May;73(1):9-11

Inhibition by calmodulin antagonists of glioblast DNA synthesis and morphological changes induced by glia maturation factor. Okumura K, et al. **Brain Res** 1982 Apr; 255(4):662-7

Effect of a specific and a nonspecific vasodilator on regional blood flows in experimental heart failure. MacCannell KL, et al. **Can J Physiol Pharmacol** 1982 Feb;60(2):174-83

Beta-adrenergic vasodilator mechanism in the finger. Cohen RA, et al. **Circ Res** 1981 Nov;49(5):1196-201

Changes in control of renin release in congestive heart failure in dogs: response to acute and chronic vasodilator therapy. Engler R, et al. **Clin Exp Hypertens [A]** 1982;4(4-5):639-59

Dose response studies with vasodilator antihypertensive drugs. McNay JL. **Clin Exp Hypertens [A]** 1982;4(1-2):61-9

Effects of 2-nicotinamidoethyl nitrate (SG-75) on pancreatic secretion in the isolated, blood-perfused pancreas of the dog. Iwatsuki K, et al. **Clin Exp Pharmacol Physiol** 1981 Nov-Dec;8(6):585-90

Cardiohaemodynamic effects of long-term intravenous administration of N-(2-hydroxyethyl)nicotinamide nitrate (SG-75), a potent coronary vasodilator: comparison with glyceryl trinitrate. Sakai K, et al. **Clin Exp Pharmacol Physiol** 1981 Nov-Dec;8(6):557-65

Immediate central and peripheral haemodynamic effects of a new vasodilating agent Pinacidil (P1134) in hypertensive man. Carlsen JE, et al. **Clin Physiol** 1981 Aug;1(4):375-84

BM 12.434, a novel compound with vasodilating and beta-adrenoceptor-blocking activities. von Möllendorff E, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):477s-479s

Acute effects of a new vasodilator, Ro 12-4713, on blood pressure, plasma Renin activity, Aldosterone and Catecholamine levels, and renal function in hypertensive and normal subjects. Grimm M, et al. **Eur J Clin Pharmacol** 1981;20(3):169-77

Clinical pharmacology of tolmesoxide in refractory heart failure. O'Boyle CP, et al. **Eur J Clin Pharmacol** 1981; 21(3):169-72

Effects of antianginal drugs on platelet aggregation of rabbits. Takano S, et al. **Fukushima J Med Sci** 1980 Jun; 27(1-2):25-9

Systemic and renal hemodynamic effects of trimazosin: a new vasodilator. Chrysant SG, et al. **J Cardiovasc Pharmacol** 1980;2(2):205-14

Changes in regional myocardial metabolism during partial stenosis in the presence of coronary vasodilators. Gould KL, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct; 3(5):936-47

Effects of arteriolar vasodilators on hepatic venous compliance and cardiac output in anesthetized cats. Greenway CV, et al. **J Cardiovasc Pharmacol** 1981 Nov-Dec;3(6):1321-31

Separation of overlap and collateral perfusion of ischemic canine myocardium: important considerations in the analysis of vasodilator-induced coronary steal. Gross GJ, et al. **J Cardiovasc Pharmacol** 1982 Mar-Apr;4(2):254-63

Effect of 2-phenylaminoadenosine (CV-1808) on ischemic ST-segment elevation in anesthetized dogs. Matsumoto N, et al. **J Cardiovasc Pharmacol** 1981 Nov-Dec;3(6):1184-92

Pharmacological studies on cadralazine: a new antihypertensive vasodilator drug. Semeraro C, et al. **J Cardiovasc Pharmacol** 1981 May-Jun;3(3):455-67

Effects of naftidrofuryl on local cerebral glucose utilization in the rat. Orzi F, et al. **J Cereb Blood Flow Metab** 1981; 1(1):137-40

Studies on the mechanism of sodium excretion during drug-induced vasodilatation in the dog. Fadem SZ, et al. **J Clin Invest** 1982 Mar;69(3):604-10

Heterogeneity of biochemical actions among vasodilators. Greenslade FC, et al. **J Pharm Sci** 1982 Jan;71(1):94-100

Relationship between cyclic guanosine 3':5'-monophosphate formation and relaxation of coronary arterial smooth muscle by glyceryl trinitrate, nitroprusside, nitrite and nitric oxide: effects of methylene blue and methemoglobin. Gruetter CA, et al. **J Pharmacol Exp Ther** 1981 Oct; 219(1):181-6

Effects of 2-nicotinamidoethyl nitrate on smooth muscle cells of the guinea-pig mesenteric and portal veins. Karashima T, et al. **J Pharmacol Exp Ther** 1982 May;221(2):472-80

Inotropic and chronotropic effects of vasodilators. Pérez JE, et al. **J Pharmacol Exp Ther** 1982 Jun;221(3):609-13

Anisodamine inhibits thromboxane synthesis, granulocyte aggregation, and platelet aggregation. A possible mechanism for its efficacy in bacteremic shock. Xiu RJ, et al. **JAMA** 1982 Mar 12;247(10):1458-60

Effects of N-(2-hydroxyethyl)nicotinamide nitrate (SG-75) on methacholine-induced ECG changes in intact anesthetized rats. Aono J, et al. **Jpn J Pharmacol** 1981 Oct; 31(5):823-30

Comparative studies of cerebral vasodilators on relaxation activities in isolated basilar, mesenteric and pulmonary arteries of rabbits. Egawa M, et al. **Jpn J Pharmacol** 1982 Apr;32(2):273-81

A possible mechanism for relaxation of rat uterine smooth muscle by nicardipine hydrochloride (YC-93), a new potent vasodilator. Nishikori K, et al. **Jpn J Pharmacol** 1981 Oct;31(5):701-9

Effects of a new coronary vasodilator, N-(2-hydroxyethyl)nicotinamide nitrate (SG-75) and nitroglycerin on cardiovascular hemodynamics in young and aged beagle dogs. Sakai K, et al. **Jpn J Pharmacol** 1981 Apr;31(2):281-5

The hypotensive mechanisms of the new anti-anginal drug, N-(2-hydroxyethyl)nicotinamide nitrate (SG-75) in beagle dogs. Shiraki Y, et al. **Jpn J Pharmacol** 1981 Dec; 31(6):921-9

Effects of nicardipine on the cross-perfused canine atrium. Watanabe H, et al. **Jpn J Pharmacol** 1981 Oct;31(5):725-30

Effect of 2-nicotinamidethyl nitrate (SG-75) on membrane potentials of canine Purkinje fibers. Yanagisawa T, et al. **Jpn J Pharmacol** 1981 Jun;31(3):409-17

The role of endogenous prostanoids in the response of the rat gastric microcirculation to vasoactive agents. Guth PH, et al. **Microvasc Res** 1982 May;23(3):336-46

Acute effects of vasodilators on left-to-right shunts in infants and children. Linday LA, et al. **Pediatr Pharmacol (New York)** 1981;1(4):267-78

Effects of acute and chronic treatment with (-)eburnamonine on the tissue supply of oxygen. Ferretti PG, et al. **Pharmatherapeutica** 1982;3(2):119-26

Vasodilator symposium. Introduction: marriage of the heart and the peripheral circulation. Cohn JN. **Prog Cardiovasc Dis** 1981 Nov-Dec;24(3):189-90

Differential systemic arterial and venous actions and consequent cardiac effects of vasodilator drugs. Miller RR, et al. **Prog Cardiovasc Dis** 1982 Mar-Apr;24(5):353-74 (20 ref.)

Reversal of vasopressin-induced coronary vasoconstriction by a PGE1 analogue (ONO 1206) in primates. Kottegoda SR, et al. **Prostaglandins Leukotrienes Med** 1982 Apr; 8(4):343-8

Effect of some vasodilating and antihypertensive drugs on the in vitro biosynthesis of prostaglandins from (1-14C) arachidonic acid in washed human blood platelets. Srivastava KC, et al. **Prostaglandins Leukotrienes Med** 1982 Apr;8(4):317-33

Effect of alpha receptor blocking drugs and vasodilators on metabolic changes in hemorrhagic shock. Ikrényi C, et al. **Z Med Lab Diagn** 1982 Apr 2;23(2):96-9

[Vasodilatory and anticoagulatory actions of magnesium sulphate: animal experiments (author's transl)] Gu YD. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):477-8 (Eng. Abstr.) **(Chi)**

[Postural changes and left ventricular function in man. Interference by vasodilator drugs] Romano M, et al. **Minerva Cardioangiol** 1982 Apr;30(4):189-94 (Eng. Abstr.) **(Ita)**

[Effect of inotropic agents and vasodilator on hemodynamics shortly after open heart surgery --in terms of cardiac work and oxygen consumption of the whole body (author's transl)] Seki S, et al. **Kyobu Geka** 1981 Feb;34(2):85-90 (Eng. Abstr.) **(Jpn)**

[Effects of anti-anginal and/or coronary vasodilator drugs on coronary as well as systemic hemodynamics, myocardial blood flow distribution during halothane anesthesia in dogs (author's transl)] Kohyama A. **Masui** 1981 Feb;30(2):127-40 (Eng. Abstr.) **(Jpn)**

[Afterload reduction and vasodilator therapy (author's transl)] Sasayama S. **Nippon Yakurigaku Zasshi** 1981 Sep; 78(3):127-37 (35 ref.) (Eng. Abstr.) **(Jpn)**

[Effect of vasodilator agents on the electrolyte balance and the transmural potential difference in the wall of blood vessels] Erikov VM. **Farmakol Toksikol** 1982 Jan-Feb; 45(1):42-6 (Eng. Abstr.) **(Rus)**

[Possibilities of clinical pharmacology in the evaluation of anti-arrhythmia and anti-angina drugs] Mazur NA, et al. **Farmakol Toksikol** 1982 May-Jun;45(3):59-63 **(Rus)**

[Effect of neurohormone C on lipolysis and 11-hydroxycorticosteroid concentration] Aleksanian SS, et al. **Vopr Med Khim** 1981 Nov-Dec;27(6):750-1 **(Rus)**

POISONING

[Acute poisoning by buflomedil (letter)] Medernach C, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3496 **(Fre)**

STANDARDS

Nitrates, package inserts, and the Food and Drug Administration. A clinical paradox. Abrams J. **JAMA** 1981 Oct 2;246(14):1557-8

THERAPEUTIC USE

Vasodilators in congestive heart failure. Proceeding of a symposium. Skövde, Sweden. September 12-13, 1980. **Acta Med Scand [Suppl]** 1981;652:1-189

Hemodynamic and metabolic effects of vasodilators, nitrates, hydralazine, prazosin and captopril in chronic ischemic heart failure. Chatterjee K, et al. **Acta Med Scand [Suppl]** 1981;651:295-303

Pathophysiological considerations in selecting vasodilator therapy for CHF. Cohn JN. **Acta Med Scand [Suppl]** 1981; 652:93-7

Vasodilator therapy: implications in acute myocardial infarction and congestive heart failure. Cohn JN. **Am Heart J** 1982 Apr;103(4 Pt 2):773-8

Inotropic properties of captopril [letter] Colan SD. **Am Heart J** 1982 Jul;104(1):175-6

Vasodilators in heart failure secondary to coronary artery disease. Parmley WW, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):625-32

Role of vasodilators in the changing phases of acute myocardial infarction. Swan HJ, et al. **Am Heart J** 1982 Apr;103(4 Pt 2):707-15

Vasodilator therapy in refractory congestive heart failure: a comparative analysis of hemodynamic and noninvasive studies. Haq A, et al. **Am J Cardiol** 1982 Feb 1;49(2):439-44

Experience with buflomedil in peripheral arterial occlusive disease. Balas P, et al. **Angiology** 1981 Oct;32(10):679-85

Evaluation of buflomedil in geriatric patients suffering from vascular cerebral insufficiency. Demichelis Genesio MA, et al. **Angiology** 1981 Oct;32(10):717-28

Paradoxical response to the vasodilators. Gould ", et al. **Angiology** 1982 Feb;33(2):125-30

Controlled evaluation of drugs in chronic vascular disease. Trübestein G. **Angiology** 1981 Oct;32(10):699-704

Effect of coronary vasodilating drug on myocardial work. Winsor T, et al. **Angiology** 1982 Jun;33(6):393-400

Vasodilator therapy in congestive heart failure. Mason DT. **Ann Acad Med Singapore** 1981 Oct;10(4 Suppl):36-42

Right ventricular unloading: lessons from the left. Franciosa JA, et al. **Ann Intern Med** 1981 Nov;95(5):647-8

The influence of postoperative pharmacological vasodilator agents on the pattern of necrosis in a standardised rat skin flap. Griffiths RW, et al. **Br J Plast Surg** 1981 Oct; 34(4):441-5

Vasodilators in heart failure [editorial] Breckenridge A. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):765-6

The effect of vasodilator therapy on systolic and diastolic time intervals in congestive heart failure. Leier CV, et al. **Chest** 1982 Jun;81(6):723-9

Acute vasodilator therapy increases renal clearance of digoxin in patients with congestive heart failure. Cogan JJ, et al. **Circulation** 1981 Nov;64(5):973-6

Acute and long-term effects of vasodilator therapy on resting and exercise hemodynamics and exercise tolerance. Massie BM, et al. **Circulation** 1981 Dec;64(6):1218-26

Cardiocirculatory actions of trimazosin and sodium nitroprusside in ischemic heart disease. Awan NA, et al. **Clin Pharmacol Ther** 1982 Mar;31(3):290-6

Vasodilators in congestive heart failure. Spann JF. **Clin Ther** 1982;4(5):345-57 (33 ref.)

Selection of vasodilator drugs for patients with severe chronic heart failure: an approach based on a new classification. Packer M. **Drugs** 1982 Jul;24(1):64-74 (68 ref.)

Treatment of refractory heart failure with trimazosin. Taylor DJ, et al. **Eur Heart J** 1981 Apr;2(2):127-33

Antihypertensive effects of a novel peripheral vasodilator, Ro 12-4713. Chu D, et al. **Eur J Clin Pharmacol** 1981 Mar; 19(4):233-8

A double-blind placebo-controlled prophylactic study of flunarizine (Sibelium) in migraine. Louis P. **Headache** 1981 Nov;21(6):235-9

Importance of neuroendocrine regulators of vascular tone and integral adrenoreceptor interaction during oral vasodilator therapy of severe congestive heart failure with prazosin. Awan NA, et al. **J Cardiovasc Pharmacol** 1982; 4 Suppl 1:S176-80

Clinical and hemodynamic improvement of congestive heart failure by long-term vasodilator therapy with postjunctional alpha 1-adrenoceptor blockade. Bertel O, et al. **J Cardiovasc Pharmacol** 1982;4 Suppl 1:S181-6

N'-Cyano-N-4-pyridyl-N'-1,2,2-trimethyl-propylguanidi a new vasodilating agent: acute effect of blood pressure and pharmacokinetics in hypertensive patients. Kardel T, et al. **J Cardiovasc Pharmacol** 1981 Sep-Oct;3(5):1002-7

Direct vascular effects of agents used in the pharmacotherapy of cerebrovascular disease on isolated cerebral vessels. Young AR, et al. **J Cereb Blood Flow Metab** 1981; 1(1):117-28

Quantitative thermal imaging to assess inositol nicotinate treatment for Raynaud's syndrome. Ring EF, et al. **J Int Med Res** 1981;9(6):393-400

Vasodilator therapy in congestive heart failure. Bower PJ. **J La State Med Soc** 1982 Mar-Apr;134(2):36-9

Vasodilator-antihistamine therapy and tinnitus control. Shulman A. **J Laryngol Otol [Suppl]** 1981;(4):123-9

Vasodilator therapy--its usefulness and limitations. Abdulla AM. **J Med Assoc Ga** 1981 Dec;70(12):898-900

A study on the noninvasive evaluation of coronary vasodilating drugs with Thallium-201 myocardial imagings. Sone T, et al. **Jpn Heart J** 1981 Sep;22(5):763-71

Salutary actions of nimodipine in traumatic shock. Lefer AM, et al. **Life Sci** 1981 Sep 28;29(13):1347-53

Drug therapy: cerebral vasodilators (first of two parts). Cook P, et al. **N Engl J Med** 1981 Dec 17;305(25):1508-13 (77 ref.)

Cerebral vasodilators (second of two parts). Cook P, et al. **N Engl J Med** 1981 Dec 24;305(26):1560-4 (25 ref.)

Vasodilator treatment of heart failure. Taylor SH. **Practitioner** 1981 Oct;225(1360):1419-29

The role of vasodilator therapy in the management of the patient with acute myocardial infarction. Wagner GC, et al. **Primary Care** 1981 Sep;8(3):467-81

Physiologic and pharmacologic determinants of vasodilator response: a conceptual framework for rational drug therapy for chronic heart failure. Packer M, et al. **Prog Cardiovasc Dis** 1982 Jan-Feb;24(4):275-92 (146 ref.)

Acute hemodynamic responses to vasodilator therapy in congestive heart failure. Ribner HS, et al. **Prog Cardiovasc Dis** 1982 Jul-Aug;25(1):1-42 (547 ref.)

Platelet cancer cell interaction in metastasis formation. Platelet aggregation inhibitors: a possible approach to metastasis prevention. Gastpar H, et al. **Prog Clin Biol Res** 1982;89:63-82

Antianginal drugs for stable angina pectoris. Aronow WS. **Ration Drug Ther** 1982 Jan;16(1):1-7

[Clinical and hemodynamic effect of molsidomine in patients with unstable angina pectoris] Beloev I, et al. **Vutr Boles** 1982;21(3):62-9 (Eng. Abstr.) **(Bul)**

[Vasodilators--'new' therapy in cardiology (author's transl)] Jebavý P, et al. **Cas Lek Cesk** 1981 Jun 18;120(24):742-5 (Eng. Abstr.) **(Cze)**

[Vasodilatation in circulatory regulation and ventricular overloading] Jebavý P. **Cesk Fysiol** 1981;30(2):137-42 **(Cze)**

[Vasodilation therapy in severe cardiac insufficiency. A review and therapeutic proposals without invasive hemodynamic monitoring] Sørensen JN, et al. **Ugeskr Laeger** 1981 Oct 19;143(43):2792-6 (Eng. Abstr.) **(Dan)**

[Vasodilator treatment of chronic cardiac insufficiency (author's transl)] Bernadet P, et al. **Ann Cardiol Angeiol (Paris)** 1981 Dec;30(7):475-82 (Eng. Abstr.) **(Fre)**

[The value of intravenous trinitrin in unstable angina] Page A, et al. **Arch Mal Coeur** 1982 Mar;75(3):325-31 (Eng. Abstr.) **(Fre)**

[Experimental electropharmacologic studies of cerebral ischemia (author's transl)] Depoortere H. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul-Sep; 10(3):207-14 (Eng. Abstr.) **(Fre)**

[Evaluation in the arteritis patient, of the peripheral and cardiac effects of vasodilator agents by telethermography, thallium 201 scintigraphy and measurement of ejection fraction] Robert J, et al. **Sem Hop Paris** 1981 Oct 18-25; 57(39-40):1613-7 **(Fre)**

[Vasodilators. 2-Treatment of arterial hypertension, cardiac insufficiency and peripheral vascular diseases] Langlois S, et al. **Union Med Can** 1981 Oct;110(10):850-6 (Eng. Abstr.) **(Fre)**

[Vasodilators in heart failure? Basic principles and its role in practice] Fischer E, et al. **Dtsch Med Wochenschr** 1981 Sep 25;106(39):1263-6 **(Ger)**

[Treatment of congestive cardiac failure with vasodilators (author's transl)] Hauf GF, et al. **Dtsch Med Wochenschr** 1981 Nov 27;106(48):1607-12 (Eng. Abstr.) **(Ger)**

[The value of vasodilators in the therapy of myocardial insufficiency] Strauer BE. **Dtsch Med Wochenschr** 1982 Jul 2;107(26):1026-9 **(Ger)**

[Effect of vasodilator agents in chronic heart failure] Bussmann WD. **Med Klin** 1981 Apr 24;76(9):249-53 (7 ref.) **(Ger)**

[Fendiline brings oxygen to the myocardium] von Bock und Polach U. **Med Klin** 1981 Sep 11;76(19):541-4 **(Ger)**

[Current concept of antihypertensive therapy (author's transl)] Vetter W. **Praxis** 1982 Jan 12;71(2):53-7 **(Ger)**

[Significance of vasodilator agents in the treatment of heart insufficiency] Fischer E. **Schweiz Med Wochenschr** 1982 May 8;112(19):684-8 (Eng. Abstr.) **(Ger)**

[Treatment of cardiac insufficiency with special reference to vasodilator agents] Burkart F. **Ther Umsch** 1981;38 Suppl:40-4 **(Ger)**

[Guidelines for the evaluation of the therapeutic effects of peripheral vasoactive drugs in arterial occiusive disease] Adank K, et al. **Vasa** 1981;10(4):337-41 **(Ger)**

[Cardiac insufficiency in the elderly with particular reference to kidney function] Rieger J, et al. **Z Gerontol** 1981 Sep-Oct;14(5):403-9 (24 ref.) (Eng. Abstr.) **(Ger)**

[Treatment of arterial hypertension in patients with cerebrovascular insufficiency] Strazzullo P, et al. **Acta Neurol [Quad] (Napoli)** 1980;41:82-5 **(Ita)**

[Area of the ischemic lesion in acute myocardial infarct: critical review of the use of vasodilator agents] Permutti B, et al. **Boll Soc Ital Cardiol** 1980;25(7):803-5 (Eng. Abstr.) **(Ita)**

[Treatment of refractory heart failure in the advanced phase of congestive myocardiopathy: new positive inotropic and vasodilator drugs] Permutti B, et al. **Boll Soc Ital Cardiol** 1981;26(1):59-65 (Eng. Abstr.) **(Ita)**

[Therapy of pulmonary edema: new trends in the use of vasodilator agents] Cosentino F, et al. **Clin Ter** 1981 Jun 30;97(6):653-6 **(Ita)**

[Updating hypotensive therapy, especially with beta-blocking agents] Ferrara E, et al. **Clin Ter** 1981 Sep 15;98(5):561-7 (19 ref.) (Eng. Abstr.) **(Ita)**

[Current clinical aspects and therapy of cardiac/decompensation in the aged] Marci M, et al. **Clin Ter** 1982 Apr 15;101(1):75-86 (58 ref.) **(Ita)**

[Vertigo in vertebrobasilar insufficiency: experience with combined physical and pharmacological therapy] Rainaldi P, et al. **Clin Ter** 1981 Aug 15;98(3):289-98 (Eng. Abstr.) **(Ita)**

[Therapy of arterial hypertension of renal origin] Schena FP. **Clin Ter** 1982 Apr 15;101(1):87-93 (5 ref.) (Eng. Abstr.) **(Ita)**

[Experience with the medical treatment of chronic cerebrovascular insufficiency: bamethan and inositol nicotinate versus placebo] Cucinotta D, et al. **G Clin Med** 1981 May;62(5):339-50 (Eng. Abstr.) **(Ita)**

[Effects of flunarizine on chronic cerebrovascular insufficiency: experience of a geriatric department] Ronchini P, et al. **G Clin Med** 1982 Feb;63(2):131-9 **(Ita)**

[Limitations of long-term treatment with vasodilator agents in increasing maximum functional capacity in patients with left ventricular insufficiency] Gronda E, et al. **G Ital Cardiol** 1981;11(6):803-11 (Eng. Abstr.) **(Ita)**

[Open pilot study of the activity and tolerability of cadralazine in hypertensive patients resistant to other therapy] Angelino PF, et al. **Minerva Cardioangiol** 1982 Mar;30(3):69-74 (Eng. Abstr.) **(Ita)**

[Current status of the prevention of pulmonary embolism] Crisci C. **Minerva Chir** 1980 Dec 15-31;35(23-24):1827-34 **(Ita)**

[Acute and chronic cardiac decompensation: is vasodilator therapy useful?] Malacco E, et al. **Minerva Med** 1982 Jan 14;73(1-2):25-32 (Eng. Abstr.) **(Ita)**

[Can the Doppler method indicate the usefulness of vasodilator therapy?] Bartolo M, et al. **Recenti Prog Med** 1981 Aug;71(2):175-84 (Eng. Abstr.) **(Ita)**

[Effects of vasodilators on resting and exercise hemodynamics in patients with chronic congestive heart failure (author's transl)] Higaki S, et al. **Kokyu To Junkan** 1981 Jun;29(6):647-58 (Eng. Abstr.) **(Jpn)**

[Action of vasodilator agents in experimental mesenteric circulatory failure] Pawlik WW, et al. **Folia Med Cracov** 1981;23(2):155-68 (Eng. Abstr.) **(Pol)**

[Current treatment of cerebrovascular disorder with vasoactive drugs] Lebiediewa NW. **Neurol Neurochir Pol** 1981 Jul-Aug;15(4):417-21 (Eng. Abstr.) **(Pol)**

[Vasodilator agents in cerebral ischemia] Sterman-Marinchescu C. **Rev Med Interna [Neurol Psihiatr]** 1981 Apr-Jun; 26(2):111-6 (13 ref.) **(Rum)**

[Mechanism of the effect of anti-angina drugs with adrenergic beta receptor agonist action on the collateral hemodynamics and redistribution of the blood flow in chronic myocardial ischemia] Chichkanov GG, et al. **Kardiologiia** 1981 Oct;21(10):85-8 (Eng. Abstr.) **(Rus)**

[Current state and goals of the clinico-pharmacological evaluation of anti-arrhythmia and anti-angina agents] Mazur NA. **Kardiologiia** 1982 May;22(5):42-7 (17 ref.) **(Rus)**

[Peripheral vasodilator treatment of chronic circulatory failure] Mukharliamov NM, et al. **Kardiologiia** 1982 Feb; 22(2):57-67 (Eng. Abstr.) **(Rus)**

[Effectiveness of the preparation Gavin'on in preventing motion sickness] Bodo D, et al. **Kosm Biol Aviakosm Med** 1982 May-Jun;16(3):49-51 (Eng. Abstr.) **(Rus)**

[Peripheral vasodilators in the treatment of heart failure] Serbin VI, et al. **Pediatriia** 1982 Jan;(1):67-70 (49 ref.) **(Rus)**

[Clinical study of the preparation korvatone] Charchoglian RA, et al. **Sov Med** 1982;(5):15-8 (Eng. Abstr.) **(Rus)**

[Effect of various peripheral vasodilators on tissue circulation in patients with cardiac insufficiency] Aliev EB, et al. **Ter Arkh** 1982;54(5):122-6 **(Rus)**

[Comparative study of the effectiveness of sustac and nitrosorbid treatment of exertion-induced angina pectoris] Mazur NA, et al. **Ter Arkh** 1981;53(5):48-52 (Eng. Abstr.) **(Rus)**

[Use of peripheral vasodilator agents in chronic cardiac insufficiency] Zhukova AA, et al. **Vopr Revm** 1982 Jan-Mar;(1):48-55 (93 ref.) **(Rus)**

[Use of vasodilators in the acute period of myocardial infarct] Vongvichit E. **Vrach Delo** 1981 Sep;(9):33-5 **(Rus)**

[Vasodilator therapy in pulmonary arterial hypertension of unknown cause (primary) (editorial)] Lupi Herrera E. **Arch Inst Cardiol Mex** 1982 May-Jun;52(3):189-90 **(Spa)**

[Vasodilator therapy in cardiology] Cárdenas Loaeza M. **Cardiology** 1980;66 Suppl 2:1-6 **(Spa)**

[Usefulness of vasodilators in congestive cardiac insufficiency: studies with prazosin] Conti CR, et al. **Cardiology** 1980;66 Suppl 2:186-92 **(Spa)**

[Treatment of cardiac insufficiency with vasodilators] Salazar Dávila E. **Cardiology** 1980;66 Suppl 2:146-53 **(Spa)**

[Vasodilator therapy of pump failure in acute myocardial infarction] Trongé J, et al. **Cardiology** 1980;66 Suppl 2:154-61 **(Spa)**

VASOMOTOR RHINITIS see **RHINITIS, VASOMOTOR**

VASOMOTOR SYSTEM

[Differential diagnosis of peripheral vasomotor disorders of vibration and nonvibration origin] Petrenko BE, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):8-11 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Serotonin and anesthesia. Priestley PC. **AANA J** 1981 Oct; 49(5):511-5

Vascular effects of slow reacting substance (SRS) in the cat nasal mucosa and the appearance of a SRS-like principle in cat nasal secretion on nerve stimulation. Anggård A, et al. **Acta Physiol Scand** 1981 Mar;111(3):329-33

Agonists and antagonists of 5-hydroxytryptamine on venomotor receptors. Aellig WH. **Adv Neurol** 1982; 33:321-4

Effects on arterial receptors of ergot derivatives used in migraine. Müller-Schweinitzer E, et al. **Adv Neurol** 1982; 33:343-56

A pharmacological analysis of the alpha-adrenoceptor antagonism by prazosin in arteries and veins. Schulz JC, et al. **Blood Vessels** 1982;19(2):79-87

Inhibition of phrenic and sympathetic vasomotor neurons in cats by the serotonin analog 5-methoxy-N,N-dimethyltryptamine. Lalley PM. **J Pharmacol Exp Ther** 1982 Jan;220(1):39-48

Feline cerebral veins and arteries: comparison of autonomic innervation and vasomotor responses. Edvinsson L, et al. **J Physiol (Lond)** 1982 Apr;325:161-73

Ergotism and heparin-dihydroergotamine prophylaxis [letter] Krupp P, et al. **Lancet** 1982 Jun 5;1(8284):1302

Interrelationships among prostaglandins and vasoactive substances. Nasjletti A, et al. **Med Clin North Am** 1981 Jul;65(4):881-9 (60 ref.)

Influence of certain vasoactive substances on DNA synthesis in human endothelial cultures. Wright HP, et al. **Paroi Arterielle** 1981;7(1):7-12

[Effect of pharmacological substances on nociceptive vasomotor reflexes in experiments on unanesthetized animals] Rozonov IuB. **Farmakol Toksikol** 1981 Jul-Aug; 44(4):410-4 (Eng. Abstr.) **(Rus)**

[Effect of certain neuromediators on segmental mechanisms of vasomotor regulation] Zaĭtsev AA, et al. **Farmakol Toksikol** 1981 Mar-Apr;44(2):178-81 (Eng. Abstr.) **(Rus)**

[Response of regional vascular beds to adrenaline administration (author's transl)] Antal J. **Bratisl Lek Listy** 1982 Apr;77(4):385-93 (Eng. Abstr.) **(Slo)**

[Vasoactive action of glucagon on the portal system: II. Study of the hepatic vascular bed in dogs] de Miguel E, et al. **Rev Esp Enferm Apar Dig** 1981 Oct;60(4):357-66 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Renorenal vasomotor reflex. Kottra G, et al. **Acta Physiol Acad Sci Hung** 1981;57(2):123-30

Vasomotion in chicken foot: dual innervation of arteriovenous anastomoses. Hillman PE, et al. **Am J Physiol** 1982 May;242(5):R582-90

Conditions for enhancement of renin release by isoproterenol, dopamine, and glucagon. Holdaas H, et al. **Am J Physiol** 1982 Mar;242(3):F267-73

Vasopressor and depressor actions of angiotensin in the anesthetized fowl. Nishimura H, et al. **Am J Physiol** 1982 Mar;242(3):H314-24

Role of macula densa in renal nerve modulation of renin secretion. Osborn JL, et al. **Am J Physiol** 1982 Mar; 242(3):R367-71

Effect of lung thromboxane generation on regional blood flow during sheep bypass. Schuette AH, et al. **Am J Physiol** 1982 Mar;242(3):H462-9

Observations of arterial and venous vasomotion with the absolute induction angiometer. MacAlpin RN, et al. **Blood Vessels** 1982;19(2):88-108

Benztropine-induced prolongation of responses to vasodilator nerve stimulation in the canine paw pad. Bell C. **Br J Pharmacol** 1982 Jun;76(2):231-3

Arachidonic acid responses in the lung. Kadowitz PJ, et al. **Bull Eur Physiopathol Respir** 1981;17(4):659-73

Vascular response of the chicken hindlimb to vasoactive agents, asphyxia, and exercise. Ploucha JM, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1228-33

The interrelationship between the catecholamines, the hypothalamic-pituitary axis and the cardiovascular system. Vasomotor instability. Upton GV. **J Reprod Med** 1981 Oct; 26(10):508-12 (43 ref.)

The role of alpha-adrenoceptors in central nervous and peripheral vascular regulation. Kobinger W. **Jpn J Pharmacol** 1981;31 Suppl:13P-20P (34 ref.)

Prostaglandins, renal function and vascular regulation. Horton R, et al. **Med Clin North Am** 1981 Jul;65(4):891-914 (212 ref.)

Vascular autonomic nerves and corresponding receptors in brain vessels. Edvinsson L. **Pathol Biol (Paris)** 1982 May; 30(5):261-8 (32 ref.)

[A comparative study of nervous system regulation of major and minor circulation] Bravený P. **Cesk Fysiol** 1981; 30(2):107-9 **(Cze)**

[Hypothalamus, cardiovascular pression and depression center] Van Bogaert A. **Agressologie** 1982 Apr;23(2):47-50 **(Fre)**

[Comparative characteristics of the reactions of small intestine vessels to neurogenic influences and catecholamine application] Polenov SA, et al. **Fiziol Zh SSSR** 1981 Dec;67(12):1845-52 (Eng. Abstr.) **(Rus)**

[Effect of high ambient temperature on regional redistribution of blood flow in the cat] Sultanov GF, et al. **Fiziol Zh SSSR** 1982 Mar;68(3):385-90 (Eng. Abstr.) **(Rus)**

[The thermal pulsation methods in studies on certain physiologic mechanisms of the brain stem] Likhtenshtein VA. **Zh Nevropatol Psikhiatr** 1982;82(5):44-50 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The cold foot symptom in sciatica. A clinical and thermographic study. Lindholm RV, et al. **Ann Chir Gynaecol** 1981;70(4):176-81

Hypothalamic vasomotor pathways mediating the development of hypertension in the rat. Hartle DK, et al. **Hypertension** 1982 Sep-Oct;4(5 Pt 2):II168-71

Alterations in vasomotor tone in congestive heart failure. Zelis R, et al. **Prog Cardiovasc Dis** 1982 May-Jun; 24(6):437-59 (124 ref.)

[Vasomotor reactivity in diabetics (author's transl)] Figar S, et al. **Cas Lek Cesk** 1982 Jun 4;121(22):677-80 (Eng. Abstr.) **(Cze)**

[Changes in peripheral vessel reflex activity in patients with onychomycosis (author's transl)] Figar S, et al. **Cesk Dermatol** 1981 Oct;56(5):288-96 (Eng. Abstr.) **(Cze)**

[Abnormal vasomotor, sudoral and sebaceous reactions in atopic dermatitis (author's transl)] Grosshans E, et al. **Ann Dermatol Venereol** 1982;109(2):151-62 (65 ref.) (Eng. Abstr.) **(Fre)**

[The 'genuine' reflex cardiovascular syncope attack. Part 1] Schiffter R. **Ther Ggw** 1981 Sep;120(9):788-805 **(Ger)**

[Study of vascular effectors, a key problem in normal and pathologic circulatory physiology] Mchedlishvili GI. **Fiziol Zh** 1981 Sep-Oct;27(5):603-6 **(Rus)**

VASOPRESSIN, ARGININE see **ARGIPRESSIN**

VASOPRESSIN, LYSINE see **LYPRESSIN**

VASOPRESSIN, NON-MAMMALIAN see **VASOTOCIN**

VASOPRESSINS

see related

INAPPROPRIATE ADH SYNDROME

The Mr 80,000 common forms of neurophysin and vasopressin from bovine neurohypophysis have corticotropin- and beta-endorphin-like sequences and liberate by proteolysis biologically active corticotropin. Lauber M, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6086-90

ADMINISTRATION & DOSAGE

Continuous intravenous vasopressin in active upper gastrointestinal bleeding. Fogel MR, et al. **Ann Intern Med** 1982 May;96(5):565-9

Selective arterial infusion of Pitressin for the control of puerperal hemorrhage after hypogastric artery ligation. Magrina JF, et al. **Obstet Gynecol** 1981 Nov;58(5):646-8

Intravenous versus superior mesenteric artery vasopressin infusions for the treatment of variceal bleeding. Burgener FA, et al. **Radiology** 1982 Mar;142(3):769-72

ADVERSE EFFECTS

Vasopressin induction of ventricular ectopy [letter] Fitz JD. **Arch Intern Med** 1982 Mar;142(3):644

Cutaneous necrosis following peripheral intravenous vasopressin therapy. Wormser GP, et al. **Cutis** 1982 Mar; 29(3):249-52

Upper extremity gangrene secondary to superior mesenteric artery infusion of vasopressin. Colombani P. **Dig Dis Sci** 1982 Apr;27(4):367-9

Reversible ischemic colitis after intravenous vasopressin therapy. Lambert M, et al. **JAMA** 1982 Feb 5;247(5):666-7

ANALYSIS

Age-related changes of vasopressin content of microdissected areas of the rat brain. Dorsa DM, et al. **Brain Res** 1982 Jun 17;242(1):151-6

Catecholamines and vasopressin in forebrain nuclei of hypertension prone and resistant rats. Feuerstein G, et al. **Brain Res Bull** 1981 Dec;7(6):671-6

Neurohypophysial hormones in the human ovary. Wathes DC, et al. **Lancet** 1982 Aug 21;2(8295):410-2

Effect of intravenous and intracerebroventricular infusion of hypertonic solutions on plasma and cerebrospinal fluid vasopressin concentrations. Wang BC, et al. **Neuroendocrinology** 1982 Mar;34(3):215-21

Light- and electron-microscope differentiation of axons containing vasopressin and oxytocin in the neurohypophyseal lobe of the rat. Alonso G, et al. **Neurosci Lett** 1981 Sep 1;25(2):113-8

ANTAGONISTS & INHIBITORS

Ultrastructural studies on the mode of action of antidiuretic hormone: the inhibitory effect of lanthanum. Bourguet J, et al. **Ann NY Acad Sci** 1981;372:131-43

Nocodazole inhibition of the vasopressin-induced water permeability increase in toad urinary bladder. Brady RJ, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):399-401

Inhibition by morphine and beta-endorphin of vasopressin release evoked by electrical stimulation of the rat medial basal hypothalamus in vitro. Knepel W, et al. **Brain Res** 1982 Apr 29;238(2):484-8

Correction of the unfavourable effects of vasopressin by nitroglycerin infusion. Lanza V, et al. **Can Anaesth Soc J** 1982 May;29(3):243-9

Attenuation of pressor responses to norepinephrine and pitressin and potentiation of pressor response to angiotensin II by captopril in human subjects. Imai Y, et al. **Hypertension** 1982 May-Jun;4(3):444-51

Fluoride inhibition of the hydro-osmotic response of the toad urinary bladder to antidiuretic hormone. Yorio T, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):459-63

BLOOD

Antidiuretic hormone in congestive heart failure. Riegger GA, et al. **Am J Med** 1982 Jan;72(1):49-52

Plasma antidiuretic hormone in acute respiratory failure. Szatalowicz VL, et al. **Am J Med** 1982 Apr;72(4):583-7

Effect of ethanol ingestion on plasma vasopressin and water balance in humans. Eisenhofer G, et al. **Am J Physiol** 1982 May;242(5):R522-7

Interaction between carotid and cardiopulmonary baroreflexes in control of plasma ADH. Thames MD, et al. **Am J Physiol** 1981 Sep;241(3):H431-4

Antidiuretic and growth hormone responses during coronary artery surgery with sufentanil-oxygen and alfentanil-oxygen anesthesia in man. de Lange S, et al. **Anesth Analg (Cleve)** 1982 May;61(5):434-8

Plasma vasopressin during cardiopulmonary bypass [letter] Taylor KM. **Ann Thorac Surg** 1982 Aug;34(2):222

ADH concentrations and premedication [letter] Viinamäki O, et al. **Br J Anaesth** 1981 Sep;53(9):1009-10

Effects of centrally administered endogenous opioid peptides on drinking behavior, increased plasma vasopressin concentration and pressor response to hypertonic sodium chloride. Summy-Long JY, et al. **Brain Res** 1981 Sep 28; 221(2):343-57

Elevation of plasma antidiuretic hormones (ADH) associated with chemotherapy-induced emesis in man. Fisher RD, et al. **Cancer Treat Rep** 1982 Jan;66(1):25-9

The renin-angiotensin-aldosterone system, antidiuretic hormone and sympathetic nerve activity in an experimental model of congestive heart failure in the dog. Riegger AJ, et al. **Clin Sci** 1982 May;62(5):465-9

Mechanism of pressor effects of intraventricular injection of angiotensin II in the rat: role of vasopressin and renal nerves. Suzuki H, et al. **Clin Sci** 1982 Sep;63(3):275-9

Inhibition of the isoprenaline-induced renin release by bilateral vagotomy is mediated by vasopressin. Knepel W, et al. **Endokrinologie** 1981 Mar;77(3):325-32

Long-term observations on plasma antidiuretic hormone levels during and after heat stress. Röcker L, et al. **Eur J Applied Physiol** 1982;49(1):59-62

Vasopressin and beta-endorphin release after osmotic and non-osmotic stimuli: effect of naloxone and dexamethasone. Knepel W, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):299-306

Effect of captopril on cardiovascular, sympathetic and vasopressin responses to hemorrhage. Zerbe RL, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):391-5

Effect of medroxyprogesterone acetate and d-norgestrel on plasma renin activity, antidiuretic hormone, and urinary aldosterone in postmenopausal women. Punnonen R, et al. **Horm Res** 1981;15(1):1-6

The effect of copulation on the plasma antidiuretic activity of the male rat. Cavicchia JC, et al. **Int J Androl** 1982 Feb;5(1):52-8

Age-related failure of volume-pressure-mediated vasopressin release. Rowe JW, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):661-4

Radioimmunoassay of vasopressin in familial cental diabetes insipidus. Kaplowitz PB, et al. **J Pediatr** 1982 Jan; 100(1):76-81

The effect of abdominal pressure on plasma antidiuretic hormone levels in the dog. Le Roith D, et al. **J Surg Res** 1982 Jan;32(1):65-9

Verney was right, but... [editorial] Stern P, et al.

N Engl J Med 1981 Dec 24;305(26):1581–2
A comparison of plasma vasopressin measurements with a standard indirect test in the differential diagnosis of polyuria. Zerbe RL, et al. **N Engl J Med** 1981 Dec 24; 305(26):1539–46
Vasopressin and renin response to dehydration in aged rats. Sladek CD, et al. **Neurobiol Aging** 1981 Winter;2(4):293–302
Central effects of dopamine and bromocriptine on vasopressin release and blood pressure. Kimura T, et al. **Neuroendocrinology** 1981 Dec;33(6):347–51
Evidence for inhibition by beta-endorphin of vasopressin release during foot shock-induced stress in the rat. Knepel W, et al. **Neuroendocrinology** 1982;34(5):353–6
A new Met-enkephalin analogue suppresses plasma vasopressin in man. Zerbe RL, et al. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):199–201
Release of antidiuretic hormone by morphine in rats: an in vivo and in vitro study. Haldar J. **Proc Soc Exp Biol Med** 1982 Jan;169(1):113–20
Vasopressin release during sepsis and septic shock in baboons and dogs. Wilson MF, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):869–72
[Blood antidiuretic hormone, ACTH and prolactin during the administration of fentanyl in man] Boulard G, et al. **Agressologie** 1982 Mar;23(1):43–6 (Eng. Abstr.) **(Fre)**
[Measurement of antidiuretic hormone and plasma renin activity in desert rodents] Baddouri K, et al. **C R Seances Acad Sci [III]** 1981 Jun 15;292(21):1143–6 (Eng. Abstr.) **(Fre)**
[The effect of inhibition of angiotensin II synthesis on the response of plasma antidiuretic hormone (ADH) to the osmotic and volume-dependent stimuli in uremic patients (author's transl)] Benmansour M, et al. **Nephrologie** 1980; 1(3):109–12 (Eng. Abstr.) **(Fre)**
[Beer-drinkers' syndrome. Normality of antidiuretic hormone levels (letter)] Rimailho A, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1340 **(Fre)**
[Plasma-antidiuretic hormone level as indicator of postoperative stress (part II) (author's transl)] von Bormann B, et al. **Anasth Intensivther Notfallmed** 1981 Dec; 16(6):319–22 (Eng. Abstr.) **(Ger)**
[Plasma antidiuretic hormone level as an indicator of perioperative stress (Part I) (author's transl)] Weidler B, et al. **Anasth Intensivther Notfallmed** 1981 Dec;16(6):315–8 (Eng. Abstr.) **(Ger)**
[Antidiuretic hormone in patients with bronchial carcinoma (author's transl)] Gropp C, et al. **Dtsch Med Wochenschr** 1982 Jun 25;107(25):974–7 (Eng. Abstr.) **(Ger)**
[Changes in plasma ADH levels during neuroleptic analgesia snd extracorporeal circulation] Weidler B, et al. **Med Welt** 1982 Jun 4;33(22):820–2 **(Ger)**
[Variations in vasopressin (ADH)-levels during NLA combined with epidural fentanyl-analgesia (author's transl)] von Bormann B, et al. **Reg Anaesth** 1982 Jan; 5(1):7–10 (Eng. Abstr.) **(Ger)**
[Effects of FDA 20 infusion on endocrine function in surgical patients (author's transl)] Matsuki A, et al. **Masui** 1982 Mar; 31(3):235–9 (Eng. Abstr.) **(Jpn)**
[Effects of GSH on endocrine function and lysosomal enzyme levels during cardiopulmonary bypass in man (author's transl)] Matsuki A, et al. **Masui** 1981 Feb;30(2):150–7 (Eng. Abstr.) **(Jpn)**
[Effects of flunitrazepam-pentazocine-N2O anesthesia and surgery on plasma catecholamines, ACTH, cortisol and ADH leve's in man (author's transl)] Takiguchi M, et al. **Masui** 1981 Jun;30(6):559–65 (Eng. Abstr.) **(Jpn)**
[Effect of various fluids on plasma concentrations of ADH and angiotensin II during hemorrhagic hypotension in dogs (author's trans!)] Tanioka F. **Masui** 1981 Jun;30(6):566–73 (Eng. Abstr.) **(Jpn)**
[Endocrine functions following epidural morphine in man. II. Effects on renal function and plasma ADH and aldosterone levels and plasma renin activity (author's transl)] Yao M, et al. **Masui** 1981 Dec;30(12):1353–63 (Eng. Abstr.) **(Jpn)**
[The effects of various anaesthetics on rat vasopressin release (author's transl)] Oiso Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Aug 20;57(8):1148–58 (Eng. Abstr.) **(Jpn)**
[Role of hormonal factors in the development of arterial hypertension in obesity] Epshtein EV. **Sov Med** 1982; (5):34–9 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Vasopressin in the cerebrospinal fluid of patients with normal pressure hydrocephalus and benign intracranial hypertension. Hammer M, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):211–5
Investigation of cerebrospinal fluid neuropeptides in idiopathic senile dementia. Oram JJ, et al. **Gerontology** 1981;27(4):216–23
Differential clearance of neurophysin and neurohypophysial peptides from the cerebrospinal fluid in conscious guinea pigs. Jones PM, et al. **Neuroendocrinology** 1982 Apr; 34(4):297–302
Cerebrospinal fluid vasopressin and oxytocin: evidence for an osmotic response. Barnard RR Jr, et al. **Neurosci Lett** 1982 Apr 26;29(3):275–9
CSF Vasopressin and cyclic nucleotide concentrations in senile dementia. Tsuji M, et al. **Psychoneuroendocrinology** 1981;6(2):171–6
[Extraction of biologically active vasopressin from cerebrospinal fluid] Schuart J, et al. **Pharmazie** 1981 Nov; 36(11):787–8 **(Ger)**

DEFICIENCY

Role of vasopressin in hypertension: studies using the Brattleboro rat. Woods RL, et al. **Am J Physiol** 1982 Jun; 242(6):F727–32
Cardiovascular, sympathetic, and renin-angiotensin system responses to hemorrhage in vasopressin-deficient rats. Zerbe RL, et al. **Endocrinology** 1982 Aug;111(2):608–13

DIAGNOSTIC USE

[Dehydration-pitressin test for the diagnosis of mild and severe types of diabetes insipidus (author's transl)] Qiu HX. **Chung Hua Nei Ko Tsa Chih** 1982 Feb;21(2):72–4 **(Chi)**
[Renaissance of pressor pharmacoradiography (author's transl)] Milbauer K, et al. **Cesk Radiol** 1981 Jul;35(4):271–6 (Eng. Abstr.) **(Cze)**

GENETICS

Prohormones for vasopressin [news] Pickering BT. **Nature** 1982 Jan 28;295(5847):280

IMMUNOLOGY

[Hypersensitivity against vasopressin and the synthetic vasopressin-analog DDAVP] Flachsbarth F, et al. **MMW** 1982 May 14;124(19):485–6 **(Ger)**

METABOLISM

Regulation of vasopressin binding to intact cells. Roy C, et al. **Ann NY Acad Sci** 1981;372:92–105
Urea, altered renal function, and vasopressin in Reye–Johnson syndrome. Kang ES, et al. **Biochem Med** 1982 Feb;27(1):121–34
Hormone-stimulated metabolism of inositol lipids and its relationship to hepatic receptor function. Kirk CJ, et al. **Biochem Soc Trans** 1981 Oct;9(5):377–9
Suppression of antidiuretic hormone hypersecretion during surgery by extradural anaesthesia. Bonnet F, et al. **Br J Anaesth** 1982 Jan;54(1):29–36
Abnormalities and drug-induced alterations of vasopressin in human hypertension. Thibonnier M, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):149s–152s
Characterization of noradrenergic control of vasopressin release by the organ-cultured rat hypothalamo-neurohypophyseal system. Armstrong WE, et al. **Endocrinology** 1982 Jul;111(1):273–9
Characterization of the renal handling of vasopressin in the dog by stop-flow analysis. Kimura T, et al. **Endocrinology** 1981 Dec;109(6):2089–94
Further studies on the role of angiotensin in the osmotic control of vasopressin release by the organ-cultured rat hypothalamo-neurohypophyseal system. Sladek CD, et al. **Endocrinology** 1982 Aug;111(2):599–607
Differential effects of dithiothreitol and iodoacetamide on corticotropin-releasing factor (CRF) activity of bovine hypothalamic CRFs and vasopressin. Yasuda N, et al. **Endocrinology** 1982 Jun;110(6):2074–80
Reduction of plasma and urinary vasopressin during treatment of severe hypertension by captopril. Thibonnier M, et al. **Eur J Clin Invest** 1981 Dec;11(6):449–53
Increased branching of basal dendrites on pyramidal neurons in the occipital cortex of homozygous Brattleboro rats in standard and enriched environmental conditions: a Golgi study. Greer ER, et al. **Exp Neurol** 1982 May;76(2):254–62
Demonstration that rat prolactin has no intrinsic antidiuretic activity in the rat. North WG, et al. **Horm Res** 1981; 15(1):55–64
Effect of intracerebroventricular captopril on vasopressin and blood pressure in spontaneously hypertensive rats. Crofton JT, et al. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II-71–4
Investigation of the presence of 'renopressin' in kidney extracts from rabbits and rats. Morris BJ, et al. **Hypertension** 1982 Mar–Apr;4(2):198–204
Neurophysin biosynthesis in vitro in oat cell carcinoma of the lung with ectopic vasopressin production. Yamaji T, et al. **J Clin Invest** 1981 Dec;68(6):1441–9
Urinary concentrating ability and antidiuretic hormone responsiveness in the potassium-depleted dog. Rutecki GW, et al. **J Lab Clin Med** 1982 Jul;100(1):53–60
The mode of action of vasopressin: membrane microstructure and biological transport. de Sousa RC, et al. **J Physiol (Paris)** 1981;77(4–5):643–69 (233 ref.)
(3H)-vasopressin binding to isolated rat hepatocytes and liver membranes: regulation by GTP and relation to glycogen phosphorylase activation. Cantau B, et al. **J Recept Res** 1980;1(2):137–68
Levels of dynorphin-(1–13) immunoreactivity in rat neurointermediate pituitaries are concomitantly altered with those of leucine enkephalin and vasopressin in response to various endocrine manipulations. Höllt V, et al. **Neuroendocrinology** 1981 Dec;33(6):333–9
The relationship between the membrane potential of neurosecretory nerve endings, as measured by a voltage-sensitive dye, and the release of neurohypophysial hormones. Nordmann JJ, et al. **Neuroscience** 1982 Mar; 7(3):731–7
Release of vasopressin by the fetal lamb during premature parturition induced with corticotropin. Stark RI, et al. **Pediatr Res** 1981 Sep;15(9):1261–5
Central neural peptides and catecholamines in spontaneous and DOCA/salt hypertension. Morris M, et al. **Peptides (Fayetteville)** 1981 Summer;2(2):207–11
[Vasopressin isoreceptors in the liver and kidney: relationship between hormone binding and biological response] Jard S. **J Physiol (Paris)** 1981;77(4–5):621–8 (44 ref.) (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Effects of regional vasopressin infusion of intestinal series-coupled vascular sections. Fasth S, et al. **Acta Chir Scand** 1981;147(7):577–81
Vascular responses of small intestine and liver to regional infusion of vasopressin. Fasth S, et al. **Acta Chir Scand** 1981;147(7):583–8
The renal kallikrein-kinin system in Brattleboro rats with hereditary hypothalamic diabetes insipidus. Missing relationship between antidiuretic hormone and the renal kallikrein-kinin system. Bönner G, et al. **Acta Endocrinol (Copenh)** 1981 Sep;98(1):36–42
The influence of vasopressin on oxytocin-induced changes in urine flow in the male rat. Forsling ML, et al. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):216–20
The effect of fluid deprivation, antidiuretic hormone and forced fluid intake on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):377–80
Effects of vasopressin, noradrenalin and oxytocin on blood flow distribution in rat kidney with neoplasm. Tvete S, et al. **Acta Radiol [Oncol]** 1981;20(4):253–60
Blood vessel reactivity on noradrenaline, vasopressin, and prostaglandin F2 alpha, resp., in the isolated perfused hind legs of rats with edemas or adjuvant arthritis. Bekemeier H, et al. **Agents Actions [Suppl]** 1982;10:135–46
Influences of age and vasopressin on the uptake capacity of fluorescent granular perithelial cells (FGP) of small cerebral vessels of the rat. Mato M, et al. **Am J Anat** 1981 Sep;162(7):45–53
Captopril attenuates pressor responses to norepinephrine and vasopressin through depletion of endogenous angiotensin II. Imai Y, et al. **Am J Cardiol** 1982 Apr 21;49(6):1537–9
Hormone-induced changes in NADH fluorescence and O2 consumption of rat hepatocytes. Balaban RS, et al. **Am J Physiol** 1982 Mar;242(3):C172–7
Effect of aging on urinary concentrating mechanism and vasopressin-dependent cAMP in rats. Beck N, et al. **Am J Physiol** 1982 Aug;243(2):F121–5
Calcium-prostaglandin interaction on the action of antidiuretic hormone in the dog. Berl T, et al. **Am J Physiol** 1982 Apr;242(4):F313–20
Vasopressin, theophylline, PGE2, and indomethacin on active Na transport in frog skin: studies with microelectrodes. Els WJ, et al. **Am J Physiol** 1981 Sep; 241(3):F279–88
Water metabolism after cisplatin in the rat. Gordon JA, et al. **Am J Physiol** 1982 Jul;243(1):F36–43
Microfilaments and the hydrosmotic action of vasopressin in toad urinary bladder. Hardy MA, et al. **Am J Physiol** 1982 Sep;243(3):C200–4
NaCl transport in mouse medullary thick ascending limbs. II. ADH enhancement of transcellular NaCl cotransport; origin of transepithelial voltage. Hebert SC, et al. **Am J Physiol** 1981 Oct;241(4):F432–42
NaCl transport in mouse medullary thick ascending limbs. I. Functional nephron heterogeneity and ADH-stimulated NaCl cotransport. Hebert SC, et al. **Am J Physiol** 1981 Oct;241(4):F412–31
ADH-PGE2 interactions in cortical collecting tubule. II. inhibition of Ca and P reabsorption. Holt WF, et al. **Am J Physiol** 1981 Oct;241(4):F461–7
ADH-PGE2 interactions in cortical collecting tubule. I. Depression of sodium transport. Holt WF, et al. **Am J Physiol** 1981 Oct;241(4):F452–60
Importance of molecular size and hydrogen bonding in vasopressin-stimulated urea transport. Petrucelli RJ 2d, et al. **Am J Physiol** 1982 Jul;243(1):C27–34
Multiple sites for interaction of prostaglandin and vasopressin in toad urinary bladder. Schlondorff D, et al. **Am J Physiol** 1981 Dec;241(6):F625–31
Central dipsogenic effect of vasopressin. Szczepańska-Sadowska E, et al. **Am J Physiol** 1982 Mar; 242(3):R372–9
Intracellular water transport in the action of ADH. Davis WL, et al. **Ann NY Acad Sci** 1981;372:118–30
PH-dependent prostaglandin E2 production and somatostatin: modulators of the action of vasopressin in the toad urinary bladder. Forrest JN Jr, et al. **Ann NY Acad Sci** 1981;372:180–93
The interactions of prostaglandins and vasopressin in the kidney. Kinter LB, et al. **Ann NY Acad Sci** 1981;372:163–79
Regulation by ADH and cellular osmolarity of water permeability in frog urinary bladder: a time course study. Parisi M, et al. **Ann NY Acad Sci** 1981;372:144–62
Some historical highlights pertaining to the biology of antidiuretic hormone. Schwartz IL. **Ann NY Acad Sci** 1981; 372:85–91
ADH action: evidence for a membrane shuttle mechanism. Wade JB, et al. **Ann NY Acad Sci** 1981;372:106–17
Vasopressin and splanchnic shunting. A quantitative comparison. Chandler JG. **Ann Surg** 1982 May; 195(5):543–53
Behavioral effects of neuropeptides: endorphins and

vasopressin. Koob GF, et al. **Annu Rev Physiol** 1982; 44:571–82 (78 ref.)

Effects of vasopressin on fructose and glycogen metabolism in hepatocytes from fed and fasted rats. Wood CL, et al. **Arch Biochem Biophys** 1981 Nov;212(1):43–53

Differences of adrenal stress control mechanisms in subjects with glaucoma and normal subjects. Effect of vasopressin and pyrogen. Schwartz B, et al. **Arch Ophthalmol** 1981 Oct;99(10):1770–7

Stimulation of DNA synthesis in murine fibroblasts by the tumour promoter teleocidin: relationship to phorbol esters and vasopressin. Collins M, et al. **Biochem Biophys Res Commun** 1982 Feb 26;104(4):1159–66

Heterologous desensitization of the cyclic AMP–independent glycogenolytic response in rat liver cells. Bréant B, et al. **Biochem J** 1981 Dec 15;200(3):509–14

Stimulation of glycolysis and accumulation of a stimulator of phosphofructokinase in hepatocytes incubated with vasopressin. Hue L, et al. **Biochem J** 1981 Mar 15; 194(3):1023–6

Phosphatidylinositol metabolism in rat hepatocytes stimulated by vasopressin. Kirk CJ, et al. **Biochem J** 1981 Jan 15;194(1):155–65

Water permeability of biological membranes. Lessons from antidiuretic hormone–responsive epithelia. Hebert SC, et al. **Biochim Biophys Acta** 1982 May 12;650(4):267–80 (86 ref.)

Effects of antidiuretic hormone on kinetic and energetic determinants of active sodium transport in frog skin. Lau YT, et al. **Biochim Biophys Acta** 1981 Oct 2;647(2):177–87

Effects of vasopressin on smooth muscle cells of guinea–pig mesenteric vessels. Karashima T. **Br J Pharmacol** 1981 Apr; 72(4):673–84

Total circulatory capacity in the rat. Effects of epinephrine and vasopressin on compliance and unstressed volume. Trippodo NC. **Circ Res** 1981 Oct;49(4):923–31

The effect of indomethacin on vasopressin–induced antidiuresis in man. Padfield PL, et al. **Clin Sci** 1981 Oct; 61(4):493–5

Effect of vasopressin and somatostatin on hemodynamics and blood gases in patients with liver cirrhosis. Naeije R, et al. **Crit Care Med** 1982 Sep;10(9):578–82

Vasopressin–dependent and –independent control of the release of adrenocorticotropin. Carlson DE, et al. **Endocrinology** 1982 Feb;110(2):680–2

Vasopressin resistance induced by low sodium and high mannitol in toad bladder. Eggena P, et al. **Endocrinology** 1982 Sep;111(3):1001–9

Direct stimulation of phosphatidylinositol degradation by addition of vasopressin to purified rat liver plasma membranes. Wallace MA, et al. **Endocrinology** 1982 Jul; 111(1):341–3

Stimulation by vasopressin and angiotensin of phospholipid methyltransferase in isolated rat hepatocytes. Alemany S, et al. **FEBS Lett** 1981 Nov 30;135(1):111–4

On the mechanism of the vasopressin–induced inhibition of renin release. Knepel W, et al. **Horm Metab Res** 1982 Mar; 14(3):157–60

Interaction between effects of insulin and vasopressin on renal excretion of water and sodium in rats. Szczepanska–Sadowska E, et al. **Horm Metab Res** 1982 Apr;14(4):175–9

Prostaglandins, antidiuretic hormone and renin angiotensin system. Terragno NA. **Hypertension** 1981 Nov–Dec;3(6 Pt 2):II–65–70

Effects of vasopressin administration on diuresis of water immersion in normal humans. Epstein M, et al. **J Appl Physiol** 1981 Dec;51(6):1384–7

Regulation of vasopressin–sensitive adenylate cyclase by calmodulin. Ausiello DA, et al. **J Biol Chem** 1981 Oct 10; 256(19):9796–8

The phosphatidylinositol cycle in WRK–1 cells. Evidence for a separate, hormone–sensitive phosphatidylinositol pool. Monaco ME. **J Biol Chem** 1982 Mar 10;257(5):2137–9

Role of osmotic forces in exocytosis: studies of ADH–induced fusion in toad urinary bladder. Kachadorian WA, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):584–8

A new model system for studying the phosphatidylinositol cycle. Monaco ME, et al. **J Cell Physiol** 1982 Jul; 112(1):148–53

Role of prostaglandin E2 in mediating the effects of pH on the hydroosmotic response to vasopressin in the toad urinary bladder. Forrest JN Jr, et al. **J Clin Invest** 1982 Mar;69(3):499–506

Effect of potassium depletion on the vasopressin–sensitive cyclic AMP system in rat outer medullary tubules. Kim JK, et al. **J Lab Clin Med** 1982 Jan;99(1):29–38

Extracellular Ca2+ and the effect of antidiuretic hormone on the water permeability of the toad urinary bladder: an example of flow–induced alteration of flow. Hardy MA, et al. **J Membr Biol** 1982;67(1):27–44

Effect of distension on ADH–induced osmotic water flow in toad urinary bladder. Kachadorian WA, et al. **J Membr Biol** 1982;64(3):181–6

Barriers to water flow in vasopressin–treated toad urinary bladder. Levine SD, et al. **J Membr Biol** 1981;61(2):135–9

Effect of monensin on osmotic water flow across the toad bladder and its stimulation by vasopressin and cyclic AMP. Mendoza SA, et al. **J Membr Biol** 1982;67(2):99–102

Effect of ouabain, amiloride, and antidiuretic hormone on the sodium–transport pool in isolated epithelia from frog skin (Rana temporaria). Nielsen R. **J Membr Biol** 1982; 65(3):221–6

Vasopressin augments depolarization–induced release and synthesis of serotonin in hippocampal slices. Auerbach S, et al. **J Neurosci** 1982 Apr;2(4):477–82

Characterization of vasopressin analgesia. Berkowitz BA, et al. **J Pharmacol Exp Ther** 1982 Feb;220(2):329–34

The effects of antidiuretic hormone and state of potassium balance on the renin–angiotensin system in rats with diabetes insipidus. Fernández–Repollet E, et al. **J Physiol (Lond)** 1982 Feb;323:519–31

The effect of vasopressin on extracellular cation concentrations and muscle resting potentials in the rat. Gartside IB, et al. **J Physiol (Lond)** 1981 Sep;318:317–26

Effects of oxytocin and vasopressin on electrical and mechanical activity of the rat epididymis in vitro. Jaakkola UM, et al. **J Reprod Fertil** 1981 Sep;63(1):47–51

Vasopressin: action on WRK–1 rat mammary tumor cells. Monaco ME, et al. **JNCI** 1982 Feb;68(2):267–70

The importance of vasopressin in the mechanism maintaining hypertension in the rat. Yazaki Y, et al. **Jpn Circ J** 1981 Sep;45(9):1116–20

Effects of vasopressin on the isolated perfused human collecting tubule. Yanagawa N, et al. **Kidney Int** 1981 May; 19(5):705–9

Effects of colchicine and cytochalasin B on vasopressin– and cyclic adenosine monophosphate–induced changes in toad urinary bladder. LeFurgey A, et al. **Lab Invest** 1981 Oct; 45(4):308–15

Vasopressin and epinephrine stimulation of phosphatidylinositol breakdown in the plasma membrane of rat hepatocytes. Lin SH, et al. **Life Sci** 1981 Nov 2; 29(18):1905–12

Inhibitory and stimulatory action of vasopressin on the secretion of corticotrophin in rats : structure–activity study. van Dijk AM, et al. **Life Sci** 1981 Sep 14;29(11):1107–16

Corticotropin releasing activity of the new CRF is potentiated several times by vasopressin. Gillies GE, et al. **Nature** 1982 Sep 23;299(5881):355–7

Vasopressin stimulates release of beta–lipotropin and beta–endorphin in conscious rats as measured by radioimmunoassay of unextracted plasma. Anhut H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Feb; 316(1):59–63

Vasopressin has a direct effect on prolactin release in male rats. Shin SH. **Neuroendocrinology** 1982 Jan;34(1):55–8

The effect of prostaglandin E2 and ADH on diffusional water permeability in collecting duct of an isolated rat papilla. Ray C, et al. **Pflugers Arch** 1981 Nov;392(1):51–6

Effect of hydrostatic pressure on ADH induced osmotic water flow in toad bladder. Rosenbaum B, et al. **Pflugers Arch** 1982 May;393(3):243–7

Protective effect of hydrocortisone on vasopressin response in frog skin. Svelto M, et al. **Pflugers Arch** 1981 Dec; 392(2):152–6

Water intake inhibition and vasopressin release following intracerebroventricular administration of tachykinins to rats of the Wistar and Brattleboro strain. Cantalamessa F, et al. **Pharmacol Res Commun** 1981 Jul;13(7):641–55

Absence of a direct chronotropic effect of vasopressin on the myocardial cell. Scott JA, et al. **Pharmacology** 1982 Jan;24(1):57–60

Constriction of the isolated intact rat kidney by vasopressin is strongly opposed by PGE1 and PGE2. Pace–Asciak CR, et al. **Prog Lipid Res** 1981;20:605–8

Opposition of the vasopressin–induced vasoconstriction in the isolated perfused rat kidney by some prostaglandins. Pace–Asciak CR, et al. **Prostaglandins** 1981 Oct; 22(4):567–74

Reversal of vasopressin–induced coronary vasoconstriction by a PGE1 analogue (ONO 1206) in primates. Kottegoda SR, et al. **Prostaglandins Leukotrienes Med** 1982 Apr; 8(4):343–8

The effect of vasopressin in water–loaded hypokalemic patients is prostaglandin–independent. Rodriguez JA, et al. **Prostaglandins Med** 1981 Nov;7(5):465–72

[Vasopressin in learning and memory (author's transl)] Ku BS. **Sheng Li Ko Hsueh Chin Chan** 1981 Jan;12(1):79–82 **(Chi)**

[Hormonal control of liver gluconeogenesis] Hue L. **Prog Can Biol Exp** 1982 Mar;41(1):73–6 (Eng. Abstr.) **(Fre)**

[Regulation of the cellular action of antidiuretic hormone] Natochin IuV, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):212–9 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of the vacuolar system of the granular cells of the frog bladder under the effect of the antidiuretic hormone] Snigirevskaia ES, et al. **Tsitologiia** 1982 Mar;24(3):252–6 (Eng. Abstr.) **(Rus)**

[Components of the creatine kinase system in the myocardium with experimental disturbance of coronary blood flow] Voronkov GS. **Ukr Biokhim Zh** 1982 Mar–Apr; 54(2):167–70 (Eng. Abstr.) **(Rus)**

[Plasma renin activity in vasopressin–sensitive diabetes insipidus and changes in the same produced by clofibrate, carbamazepine and exogenous ADH] Holgado Silva C, et al. **Rev Clin Esp** 1981 Jun 15–30;161(5–6):311–3 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Role of vasopressin in fetal homeostasis. Daniel SS, et al. **Am J Physiol** 1982 Jun;242(6):F740–4

Indomethacin impairs water diuresis in the DI rat: role of prostaglandins independent of ADH. Stoff JS, et al. **Am J Physiol** 1981 Sep;241(3):F231–7

Ontogeny of the vasopressinergic neurons of the suprachiasmatic nucleus and their extrahypothalamic projections in the rat brain—presence of a sex difference in the lateral septum. de Vries GJ, et al. **Brain Res** 1981 Aug 10;218(1–2):67–78

Vasopressin fiber pathways in the rat brain following suprachiasmatic nucleus lesioning. Hoorneman EM, et al. **Brain Res** 1982 Jul 15;243(2):235–41

Effect of pentobarbital anesthesia and surgery on the control of arterial pressure and mesenteric resistance in cats: role of vasopressin and angiotensin. McNeill JR, et al. **Can J Physiol Pharmacol** 1982 Mar;60(3):363–8

Immunocytochemistry of luteinizing hormone–releasing hormone, vasopressin, and corticotropin following deafferentation of the basal hypothalamus of the male rat brain. Scott PM, et al. **Cell Tissue Res** 1981;219(2):393–402

Vasopressin function in hypercalcaemia. Baylis PH, et al. **Clin Endocrinol (Oxf)** 1981 Oct;15(4):343–51

Possible mechanisms of sodium–dependent hypertension: volume expansion or vasoconstriction? Gavras H. **Clin Exp Hypertens [A]** 1982;4(4–5):737–49

Importance of antidiuretic properties of vasopressin in experimental renal hypertension. Woods RL, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):519–23

Role of vasopressin in cardiovascular homeostasis and hypertension. Johnston CI, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):129s–39s

Does vasopressin play a role in the pathogenesis of hypertension? Padfield PL, et al. **Clin Sci [Suppl]** 1981 Dec; 61(7):141s–143s

Effect of vasopressin blockade on blood pressure regulation during hemorrhage in conscious dogs. Schwartz J, et al. **Endocrinology** 1981 Nov;109(5):1778–80

Effect of age and enrichment on certain brain dimensions in Brattleboro rats deficient in vasopressin. Greer ER, et al. **Exp Neurol** 1982 Jan;75(1):11–22

Vasopressin and vascular reactivity in the development of DOCA hypertension in rats with hereditary diabetes insipidus. Berecek KH, et al. **Hypertension** 1982 Jan–Feb; 4(1):3–12

Vasopressin–central nervous system interactions in the development of DOCA hypertension. Berecek KH, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):131–7

Interaction of the sympathetic nervous system with vasopressin and renin in the maintenance of blood pressure. Gavras H, et al. **Hypertension** 1982 May–Jun;4(3):400–5

Contribution of vasopressin to hypertension. Share L, et al. **Hypertension** 1982 Sep–Oct;4(5 Pt 2):III85–92 (43 ref.)

Vasopressin and cardiovascular regulation. Cowley AW Jr. **Int Rev Physiol** 1982;26:189–242

Vasopressins and other neuropeptides as CNS mental modulators. A review. Edelstein EL. **Isr J Psychiatr Relat Sci** 1981;18(3):229–36

Alterations in renal tubular water transport induced by parathyroid hormone: evidence for both antidiuretic hormone–mediated and independent effects. Winaver J, et al. **J Lab Clin Med** 1982 Apr;99(4):457–73

The role of volume depletion, antidiuretic hormone and angiotensin II in the furosemide–induced decrease in mesenteric conductance in the dog. Schmitt SL, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):407–14

Pressor mechanisms of vasopressin in DOC–salt hypertensive rats—interaction with autonomic nervous system. Matsuguchi H, et al. **Jpn Circ J** 1982 May;46(5):531–3

Role of vasopressin in impaired water excretion in conscious rats with experimental cirrhosis. Linas SL, et al. **Kidney Int** 1981 Aug;20(2):173–80

Nuclear magnetic resonance observations in alcoholic cerebral disorder and the role of vasopressin. Besson JA, et al. **Lancet** 1981 Oct 24;2(8252):923–4

Prostaglandins, vasopressin, and renal water reabsorption. Zusman RM. **Med Clin North Am** 1981 Jul;65(4):915–25 (77 ref.)

Actions of vasopressin, gastrin releasing peptide and other peptides on neurons on newborn rat spinal cord in vitro. Suzue T, et al. **Neurosci Lett** 1981 Oct 23;26(2):137–42

MSH/ACTH4–10: a tool to differentiate between the role of vasopressin in memory consolidation or retrieval processes. van Wimersma Greidanus T. **Peptides (Fayetteville)** 1982 Jan–Feb;3(1):7–11

Brain, pituitary gland and nutrition. Lincoln DW. **Proc Nutr Soc** 1981 Sep;40(3):367–8

High angiotensin–converting enzyme activity in the neurohypophysis of Brattleboro rats. Chevillard C, et al. **Science** 1982 May 7;216(4546):646–7

[Role of ADH–induced intramembrane particle aggregates (author's transl)] Bourguet J, et al. **J Physiol (Paris)** 1981; 77(4–5):629–41 (99 ref.) (Eng. Abstr.) **(Fre)**

[Vasopressin and 'CRF' in the regulation of ACTH secretion by the anterior and intermediate lobes of the pituitary gland (author's transl)] Lutz–Bucher B, et al. **J Physiol (Paris)** 1981 Mar;77(8):939–50 (60 ref.) (Eng. Abstr.) **(Fre)**

[Vasopressin action sites along the nephron (author's transl)] Morel F, et al. **J Physiol (Paris)** 1981;77(4–5):615–20 (Eng. Abstr.) **(Fre)**

[The interaction of hormones and the exocrine pancreas (editorial)] Segal R, et al. **Harefuah** 1981 Oct; 101(7–8):178–80 **(Heb)**

[Vasopressin and receptor] Marumo F. **Nippon Rinsho** 1981

Sep;39(9):2970–4 (26 ref.) **(Jpn)**

SECRETION

Action of cortisol introduced into the supraoptic nucleus, on vasopressin releasc and antidiuresis during hypertonic saline infusion in conscious rhesus monkeys. Streeten DH, et al. **Acta Endocrinol (Copenh)** 1981 Oct;98(2):195–204

Effects of orchidectomy and sex steroids on vasopressin response to dehydration. Valiquette G, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):493–9

Lack of effect of opiates on release of vasopressin from isolated rat neurohypophysis. Christensen JD, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Feb;50(2):113–6

Vasopressin secretion induced by hypoxia in sheep: developmental changes and relationship to beta-endorphin release. Stark RI, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):204–15

Excitatory effect of dopamine on oxytocin and vasopressin reflex releases in the rat. Moos F, et al. **Brain Res** 1982 Jun 10;241(2):249–60

Vasopressin secretion in the New Zealand genetically hypertensive rat. Crofton JT, et al. **Clin Exp Hypertens** 1981;3(5):975–89

Effect of captopril (SQ 14 225) on vasopressin release induced by angiotensin in the conscious rat [letter] Knepel W, et al. **Clin Sci** 1982 Mar;62(3):341–2

Vasopressin release from rat medial basal hypothalamus induced in vitro by angiotensin. Knepel W, et al. **Eur J Pharmacol** 1982 May 21;80(2–3):247–9

Neurohypophyseal response to dehydration in the spontaneously hypertensive rat. Morris M. **Hypertension** 1982 Jan–Feb;4(1):161–6

Vasopressin release does not contribute to pressor action of enkephalin in SHR. Rockhold RW, et al. **Hypertension** 1981 Jul–Aug;3(4):410–5

Altered osmotic threshold for vasopressin release and impaired thirst sensation: additional abnormalities in Kallmann's syndrome. Hochberg Z, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):779–82

A syndrome of periodic adrenocorticotropin and vasopressin discharge. Sato T, et al. **J Clin Endocrinol Metab** 1982 Mar; 54(3):517–22

Cyclic nucleotides and the release of vasopressin from the rat posterior pituitary gland. Vale MR, et al. **J Neurochem** 1982 Aug;39(2):569–73

Effects of synthetic beta-endorphin on release of neurohypophyseal hormones [letter] Reid RL, et al. **Lancet** 1981 Nov 21;2(8256):1169–70

Vasopressin release during laparoscopy: role of increased intra-abdominal pressure [letter] Viinamki O, et al. **Lancet** 1982 Jan 16;1(8264):175–6

Endogenous opiates regulate oxytocin but not vasopressin secretion from the neurohypophysis. Bicknell RJ, et al. **Nature** 1982 Jul 8;298(5870):161–2

Dopaminergic modulation of evoked vasopressin release from the isolated neurohypophysis of the rat. Possible involvement of endogenous opioids. Racké K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Apr; 319(1):56–65

Relative efficiency of neural firing patterns for vasopressin release in vitro. Bicknell RJ, et al. **Neuroendocrinology** 1981 Nov;33(5):295–9

The effect of intracerebroventricular indomethacin on osmotically stimulated vasopressin release. Hoffman PK, et al. **Neuroendocrinology** 1982 Feb;34(2):132–9

Electrophysiology of hypothalamic magnocellular neurones secreting oxytocin and vasopressin. Poulain DA, et al. **Neuroscience** 1982 Apr;7(4):773–808 (241 ref.)

Vasopressin and pneumothorax in the neonate. Stern P, et al. **Pediatrics** 1981 Oct;68(4):499–503

Status asthmaticus and the syndrome of inappropriate secretion of antidiuretic hormone. Benfield GF, et al. **Thorax** 1982 Feb;37(2):147–8

[Urinary excretory rhythms and endocrine functions (author's transl)] Yoshida S. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):227–32 (14 ref.) **(Jpn)**

[Neurosecretory activity of the supraoptic nucleus in rats in the course of experimental small-intestinal obstruction] Galasińska-Pomykoł I, et al. **Rocz Akad Med Bialymstoku** 1980;25:41–8 (25 ref.) (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Internal iliac artery vasopressin infusion for postpartum hemorrhage. Sacks BA, et al. **Am J Obstet Gynecol** 1982 Jul 1;143(5):601–3

Bleeding esophageal varices: treatment with vasopressin, transhepatic embolization and selective splenorenal shunting. Johnson WC, et al. **Ann Surg** 1982 Apr; 195(4):393–400

Defective protein phosphorylation in renal medulla of vasopressin-resistant mice. Strewler GJ, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):713–20

Pharmacology of portal hypertension: old problems and new ideas [editorial] Blei AT. **JAMA** 1982 Feb 5;247(5):669–70

Controlled trial of terlipressin ('Glypressin') versus vasopressin in the early treatment of oesophageal varices. Freeman JG, et al. **Lancet** 1982 Jul 10;2(8289):66–8

Treatment of massive hemoptysis with intravenous pitressin. Magee G, et al. **Lung** 1982;160(3):165–9

Attenuation of experimentally-induced amnesia. Martinez JL Jr, et al. **Prog Neurobiol** 1981;16(2):155–86 (164 ref.)

Studies of GI bleeding with scintigraphy and the influence of vasopressin. Alavi A, et al. **Semin Nucl Med** 1981 Jul; 11(3):216–23

Systemic vasopressin therapy for Mallory-Weiss bleeding. Thomas E, et al. **South Med J** 1982 Jun;75(6):691–3

URINE

Comparison of the hormonal and renal effects of captopril in severe essential and renovascular hypertension. Aldigier JC, et al. **Am J Cardiol** 1982 Apr 21;49(6):1447–52

Urinary excretion of immunoreactive vasopressin in prepubertal children. Lack of correlation with urinary excretion of immunoreactive neurophysins. Allevard-Burguburu AM, et al. **Eur J Pediatr** 1981 Nov; 137(3):291–4

[Level of vasopressin excretion and hemodynamic indices in the hypothalamic syndrome] Popovichenko NV, et al. **Vrach Delo** 1982 Jun;(6):96–8 (Eng. Abstr.) **(Rus)**

VASOPRESSOR AGENTS see **VASOCONSTRICTOR AGENTS**

VASOTOCIN

ANALYSIS

Ultrastructural immunocytochemical characterization of isotocin, vasotocin and neurophysin neurons in the magnocellular preoptic nucleus of the goldfish. Cumming R, et al. **Cell Tissue Res** 1982;223(3):685–94

[Immunocytochemical characterization of neurosecretory systems producing mesotocin and vasotocin in the brain of several Lacertidae] Bons N, et al. **C R Seances Acad Sci [II]** 1981 Nov 23;293(11):645–8 (Eng. Abstr.) **(Fre)**

METABOLISM

The pineal does not concentrate arginine vasotocin from biological fluids in vivo. Fisher LA, et al. **Endocr Res Commun** 1981;8(2):135–44

The localization of vasotocin and neurophysin neurons in the diencephalon of the pigeon, Columba livia. Berk ML, et al. **J Comp Neurol** 1982 Feb 1;204(4):392–406

Radioimmunoassay of arginine vasopressin, oxytocin and arginine vasotocin-like material in the human pineal gland. Geelen G, et al. **Peptides (Fayetteville)** 1981 Winter; 2(4):459–66

PHARMACODYNAMICS

Arginine vasotocin alters hamster pituitary LH and prolactin secretion in vitro. Blask DE, et al. **Comp Biochem Physiol [A]** 1982;71(2):299–302

Duration of androgen treatment modifies behavioral response to arginine vasotocin in Taricha granulosa. Zoeller RT, et al. **Horm Behav** 1982 Mar;16(1):23–30

Direct inhibition of rat testicular androgen biosynthesis by arginine vasotocin. Studies on mechanisms of action. Adashi EY, et al. **J Biol Chem** 1982 Feb 10;257(3):1301–8

Effects of alpha-melanocyte-stimulating hormone and [8-arginine]-vasotocin upon melanogenesis in hair follicle melanocytes in vitro. Logan A, et al. **J Endocrinol** 1981 Dec;91(3):501–7

Arginine vasotocin, an endogenous neuropeptide of Aplysia, suppresses the gill withdrawal reflex and reduces the evoked synaptic input to central gill motor neurons. Thornhill JA, et al. **J Neurobiol** 1981 Nov;12(6):533–44

Arginine vasotocin: effects on open field behavior, whole brain monoamines and plasma corticosterone. Golus P, et al. **Peptides (Fayetteville)** 1981 Winter;2(4):437–40

Vasotocin, melatonin and narcolepsy: possible involvement of the pineal gland in its patho-physiological mechanism. Pavel S, et al. **Peptides (Fayetteville)** 1980 Winter;1(4):281–4

REM sleep induction in prepubertal boys by vasotocin: evidence for the involvement of serotonin containing neurons. Pavel S, et al. **Peptides (Fayetteville)** 1981 Fall; 2(3):245–50

Central administration of arginine vasotocin: effects on exploratory behavior in the rat. King MG, et al. **Psychopharmacology (Berlin)** 1982;76(1):40–3

[Effect of arginine vasotocin, oxytocin and their fragments on the corticosterone content in the blood plasma of chickens of different ages] Sirotkin AV, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):112–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Narcoleptic-like alterations of the sleep cycle in cats induced by a specific vasotocin antiserum. Pavel S, et al. **Brain Res Bull** 1981 Oct;7(4):453–4

Endocrine and neural control of amphibian renal functions. Pang PK, et al. **Fed Proc** 1982 Jun;41(8):2365–70

THERAPEUTIC USE

Effects of arginine vasotocin on REM sleep in narcoleptics and in symptomatic hypersomniacs. Popoviciu L, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):325–8

Vasotocin protects rats against convulsions induced by pentylenetetrazol. Kasting NW, et al. **Experientia** 1981; 37(9):1001–2

VATER'S AMPULLA

Cancer of the head of the pancreas and choledochoduodenal junction: a clinical study of 88 Whipple resections. Björck S, et al. **Acta Chir Scand** 1981;147(5):353–9

Tubulo-papillary tumour of the papilla of Vater. A case report. Schultz TB, et al. **Acta Chir Scand** 1981; 147(5):383–4

Biliary obstruction by heterotopic gastric mucosa at the ampulla of Vater. Blundell CR, et al. **Am J Gastroenterol** 1982 Feb;77(2):111–4

Common bile duct carcinoid [letter] Hough DR. **Am J Gastroenterol** 1982 Jun;77(6):438

Diagnosis of papillary stenosis by calibration: follow-up 15 to 25 years after sphincteroplasty. Griffith CA. **Am J Surg** 1982 Jun;143(6):717–20

Pancreatic and periampullary carcinoma. Experience with 200 patients over a 12 year period. Piorkowski RJ, et al. **Am J Surg** 1982 Feb;143(2):189–93

Cholangiographic demonstration of relief of narcotic-induced spasm of the sphincter of Oddi. McLean ER Jr, et al. **Am Surg** 1982 Mar;48(3):134–6

Villous adenoma involving the ampulla of Vater: treatment by submucosal resection and double sphincteroplasty. Starling JR, et al. **Am Surg** 1982 Apr;48(4):188–90

Carcinoma of the papilla of Vater. Russell DM, et al. **Aust NZ J Surg** 1982 Feb;52(1):44–7

Tissue diagnosis for carcinoma of the pancreas and periampullary structures. Lee YT. **Cancer** 1982 Mar 1; 49(5):1035–9

Long-term palliation of ampullary carcinoma using endoscopic papillotomy. Mirkin KR, et al. **Conn Med** 1982 Jan;46(1):4–5

Familial polyposis coli and periampullary malignancy. Harned RK, et al. **Dis Colon Rectum** 1982 Apr;25(3):227–9

Tumours in the region of the papilla of Vater. Diagnosis via endoscopy, biopsy, brush cytology, ERPC and CT-scan. Gmelin E, et al. **Eur J Radiol** 1981 Nov; 1(4):301–6

Tumors of the ampulla of Vater: early diagnosis by intraampullary biopsy during endoscopic cannulation. Two case presentations and a review of the literature. Nakao NL, et al. **Gastroenterology** 1982 Aug;83(2):459–64

Villous adenoma of the ampulla of Vater [letter] Nicklanovich MA. **Gastrointest Endosc** 1982 May;28(2):114

Patterns of failure after curative surgery for extra-hepatic biliary tract carcinoma: implications for adjuvant therapy. Kopelson G, et al. **Int J Radiat Oncol Biol Phys** 1981 Mar; 7(3):413–7

A clinical judgement of pancreaticoduodenectomy (Whipple procedure) in tumors of the periampullary region : report of 4 cases without mortality. Teparut V, et al. **J Med Assoc Thai** 1981 Oct;64(10):498–505

Endoscopic papillary dilatation, a possible alternative to endoscopic papillotomy [letter] Staritz M, et al. **Lancet** 1982 Jun 5;1(8284):1306–7

Computed tomography of carcinoma of the ampulla of Vater. Inamoto K, et al. **ROFO** 1982 Jun;136(6):689–93

Newer endoscopic techniques for image diagnosis and management of hepatobiliary disease. Classen M, et al. **Semin Liver Dis** 1982 Feb;2(1):67–74 (43 ref.)

Surgical applications of sphincteroplasty and choledochoduodenostomy. Moody FG. **Surg Clin North Am** 1981 Aug;61(4):909–22 (27 ref.)

Human pancreatic polypeptide (HPP) immunoreactivity in an infiltrating endocrine tumour of the papilla of Vater with unusual morphology. Ljungberg O, et al. **Virchows Arch [Pathol Anat]** 1981;392(1):119–26

[Biliary tract carcinomas. III. Cancer of Vater's papilla] Merdzhanov A, et al. **Vutr Boles** 1981;20(5):45–9 (Eng. Abstr.) **(Bul)**

[Treatment of choledocholithiasis and papillary stricture by fibroduodenoscopic sphincterotomy (author's transl)] An R. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):75–7 **(Chi)**

[Fine needle aspiration cytodiagnosis of tumors of pancreas and ampullary region (author's transl)] Liu TH. **Chung Hua Wai Ko Tsa Chih** 1982 Apr;20(4):218–20 (Eng. Abstr.) **(Chi)**

[Periampullary tumors: clinical study and results of palliative or preoperative treatment by endoscopic sphincterotomy (author's transl)] Toussaint J, et al. **Acta Gastroenterol Belg** 1981 May-Jun;44(5–6):250–8 (Eng. Abstr.) **(Fre)**

[Endoscopic papillary dilatation: an alternative to papillotomy? (author's transl)] Staritz M, et al. **Dtsch Med Wochenschr** 1982 Jun 11;107(23):895–7 (Eng. Abstr.) **(Ger)**

[Carcinoid of the duodenum] Kuntz HD. **MMW** 1982 May 7;124(18):80–1 **(Ger)**

[Diagnosis and endoscopic treatment of tumors of the papilla of Vater (author's transl)] Seifert E. **Praxis** 1982 Mar 2; 71(9):394–7 (Eng. Abstr.) **(Ger)**

[Factors influencing the survival time of patients subjected to 'radical' surgery for cancer of the papilla of Vater (author's transl)] Seilner F, et al. **Wien Klin Wochenschr** 1982 Jan 8;94(1):5–9 (Eng. Abstr.) **(Ger)**

[A case of cancerized papillary adenoma of the Vaterian region] Murabito R, et al. **Chir Ital** 1981 Aug;33(4):901–11 **(Ita)**

[The coexistence of benign papillary adenoma and

adenocarcinoma of the ampulla of Vater (author's transl)] Tsuboi K, et al. **Nippon Geka Hokan** 1981 Nov 1; 50(6):891–8 (Eng. Abstr.) **(Jpn)**

[Small doses of cerulein in ascending cholangiopancreatography] Szadkowski M, et al. **Pol Tyg Lek** 1982 May 3;37(9–10):259–61 (Eng. Abstr.) **(Pol)**

[Stenosing papillo–odditis associated with cholelithiasis. Diagnostic difficulties and errors and details of surgical treatment] Seicaru T, et al. **Rev Chir [Chir]** 1981 Jul–Aug; 30(4):279–85 **(Rum)**

[Cephalic pancreato–duodenectomy in neoplastic and sclero–inflammatory diseases] Dolinescu C, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):457–61 (Eng. Abstr.) **(Rum)**

[Protein membrane digestion disorders in obstructive jaundice of tumor origin] Gorbunov OM. **Klin Khir** 1981 Sep;(9):56–7 **(Rus)**

[Methodological approaches to individual planning of high–energy radiotherapy of pancreatoduodenal cancer] Pronin VI, et al. **Med Radiol (Mosk)** 1982 May;27(5):32–6 **(Rus)**

[Case of a malignant apudoma showing double differentiation in metastases of melanoma and malignant carcinoid types] Ashmarin IuIa, et al. **Vestn Dermatol Venerol** 1982 May; (5):41–4 (Eng. Abstr.) **(Rus)**

[Ampullar choledocholithiasis] Napalkov PN, et al. **Vestn Khir** 1982 Jan;128(1):69–75 (Eng. Abstr.) **(Rus)**

[Atypical course of cancer of the major duodenal papilla] Nekrasov AV, et al. **Vestn Khir** 1982 Mar;128(3):92–4 **(Rus)**

[Cancer of the pancreas and the periampullar region. Study of 76 cases] Miras Estacio M, et al. **Rev Esp Enferm Apar Dig** 1982 Mar;61(3):225–32 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Pancreas divisum. Kruse A. **Praxis** 1981 Nov 10; 70(46):2064–7

ANATOMY & HISTOLOGY

Structure of the major duodenal papilla. Suarez CV. **Mt Sinai J Med (NY)** 1982 Jan–Feb;49(1):31–7

[The surgical consequences of topographical variations of the implantation of the papilla in the duodenum] Forni E, et al. **Chir Ital** 1982 Feb;34(1):20–7 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

[Vascularization of the Papilla Vateri and bleeding risk of papillotomy (author's transl)] Stolte M, et al. **Leber Magen Darm** 1980 Dec;10(6):293–301 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Effect of motilin on the sphincter of Oddi in the dog. Neya T, et al. **Acta Med Okayama** 1981 Dec;35(6):417–20

Buscopan or glucagon for endoscopic cannulation of ampulla of vater? Hannigan BF, et al. **J R Soc Med** 1982 Jan; 75(1):21–2

Effects of cholecystokinin on the primate sphincter of Oddi. La Morte WW, et al. **J Surg Res** 1982 Jan;32(1):44–50

Action of cholecystokinin–octapeptide on sphincter of Oddi basal pressure and phasic wave activity in humans. Toouli J, et al. **Surgery** 1982 Sep;92(3):497–503

[Nitroglycerin test IV in biliary surgery. Comparison with amyl nitrite (author's transl)] Riboulot M, et al. **Anesth Analg (Paris)** 1982;38(11–12):633–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Premalignant lesions of the periampullary region. Report of two cases. Benediktsdottir K, et al. **Ann Chir Gynaecol** 1981;70(2):86–9

Adenomatous residue in cancerous papilla of Vater. Kozuka S, et al. **Gut** 1981 Dec;22(12):1031–4

[Primary odditis. Clinical features, therapy, and possible pathogenesis (author's transl)] Sarles JC, et al. **J Chir (Paris)** 1982 Feb;119(2):97–104 (Eng. Abstr.) **(Fre)**

[A proposal for staging and grading of carcinomas of the papilla of Vater (author's transl)] Dinges HP, et al. **Wien Klin Wochenschr** 1981 Oct 30;93(20):638–43 (Eng. Abstr.) **(Ger)**

[Papillary villous adenoma (presentation of a case)] Serrano Martínez R, et al. **Rev Esp Enferm Apar Dig** 1982 Jul; 62(1):52–5 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Biliary manometry in dogs. Influence of selective electrostimulation of the right and left vagus nerves. Funch–Jensen P, et al. **Digestion** 1981;22(2):89–93

Effect of gastrointestinal hormones on the biliary sphincter of the opossum. Becker JM, et al. **Gastroenterology** 1982 Jun;82(6):1300–7

Sphincter of Oddi motor activity: a comparison between patients with common bile duct stones and controls. Toouli J, et al. **Gastroenterology** 1982 Jan;82(1):111–7

Choledochal pressure profilometry following dilatation, sphincterotomy, sphincteroplasty of diathermic sphincterotomy. Bruijnes E, et al. **Hepatogastroenterology** 1981 Dec;28(6):327–32

Relationship of sphincter of Oddi spike bursts to gastrointestinal myoelectric activity in conscious opossums. Honda R, et al. **J Clin Invest** 1982 Apr;69(4):770–8

Altered sphincter of Oddi Phasic Activity following truncal vagotomy. Pitt HA, et al. **J Surg Res** 1982 Jun; 32(6):598–607

[Postoperative functional evaluation and pharmacological study of Oddi's sphincter by means of cholangiomanometry using a Kehr tube] Mortola GP, et al. **Chir Ital** 1981 Aug; 33(4):837–51 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The Nardi test and biliary manometry in the diagnosis of pancreaticobiliary sphincter dysfunction. Madura JA, et al. **Surgery** 1981 Oct;90(4):588–95

[Intraoperative mural pressure measurements in the papilla of Vater (author's transl)] Hancke E. **Langenbecks Arch Chir** 1981;354(4):293–8 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Hypertonic dyskinesia of Oddi's sphincter] Varró V, et al. **Orv Hetil** 1981 Aug 2;122(31):1885–7 **(Hun)**

SURGERY

Hemobilia with jaundice: treatment by endoscopic papillotomy. Jensen AR, et al. **Am J Gastroenterol** 1982 Mar;77(3):162–3

Cholangitis and pancreatitis due to juxtapapillary duodenal diverticulum. Endoscopic sphincterotomy is the other alternative in selected cases. Thomas E, et al. **Am J Gastroenterol** 1982 May;77(5):303–4

Endoscopic sphincterotomy: a procedure of choice in the management of retained common bile duct stones and papillary stenosis. Weitemeyer RA. **Am J Surg** 1982 May; 143(5):536–9

Fiberendoscopic cannulation of the papilla of Vater I. Sphincterotomy in the treatment of retained bile duct stones and benign papillary stenosis. van Numers H, et al. **Ann Chir Gynaecol** 1981;70(6):308–12

Extraperitoneal sphincteroplasty for residual stones: an update. Choi TK, et al. **Ann Surg** 1982 Jul;196(1):26–9

Surgical experience with pancreatic and periampullary cancer. Herter FP, et al. **Ann Surg** 1982 Mar;195(3):274–81

Adenocarcinoma of the ampulla of Vater. Diagnosis and treatment. Walsh DB, et al. **Ann Surg** 1982 Feb; 195(2):152–7

Late result of sphincteroplasty in the treatment of primary cholangitis. Choi TK, et al. **Arch Surg** 1981 Sep; 116(9):1173–5

Transduodenal papillostomy as a routine procedure in managing choledocholithiasis. Speranza V, et al. **Arch Surg** 1982 Jul;117(7):875–7

Endoscopic sphincterotomy. Roberts–Thomson I. **Aust Fam Physician** 1981 Jun;10(6):489–91

Duodenoscopic sphincterotomy in the treatment of the 'sump syndrome'. Siegel JH. **Dig Dis Sci** 1981 Oct;26(10):922–8

Endoscopic papillotomy in the treatment of biliary tract disease: 258 procedures and results. Siegel JH. **Dig Dis Sci** 1981 Dec;26(12):1057–64

Retroperitoneal perforations following endoscopic sphincterotomy; clinical course and management. Dunham F, et al. **Endoscopy** 1982 May;14(3):92–6

Complications of endoscopic sphinecterotomy and their treatment. Nuehaus B, et al. **Endoscopy** 1981 Sep; 13(5):197–9

Sonolucent biliary cast preventing endoscopic sphincterotomy. Shanahan F, et al. **Endoscopy** 1981 Sep; 13(5):220

Inhibition of gallstone formation by sphincterotomy in the prairie dog: reversal by atropine. Hutton SW, et al. **Gastroenterology** 1982 Jun;82(6):1308–13

Choledochal pressure profilometry following dilatation, sphincterotomy, sphincteroplasty of diathermic sphincterotomy. Bruijnes E, et al. **Hepatogastroenterology** 1981 Dec;28(6):327–32

Local excision in the treatment of carcinoma of the ampulla of Vater. Newman RJ, et al. **J R Coll Surg Edinb** 1982 May;27(3):154–7

Endoscopic sphincterotomy for choledocholithiasis--a major recent advance for high–risk patients. Thomas E, et al. **J Tenn Med Assoc** 1981 Oct;74(10):705–8

The range of endoscopic sphincterotomy. Nowak A. **Mater Med Pol** 1981 Jan–Mar;13(1):30–2

Endoscopic sphincterotomy. Indications and complications. Geenen JE. **Postgrad Med** 1981 Oct;70(4):235

Surgical applications of sphincteroplasty and choledochoduodenostomy. Moody FG. **Surg Clin North Am** 1981 Aug;61(4):909–22 (27 ref.)

Dynamic evaluation of long term patency of choledochoduodenostomy compared with sphincteroplasty. Papadimitriou J, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):17–20

Duodenoscopic sphincterotomy for removal of bile duct stones in patients with gallbladders. Cotton PB, et al. **Surgery** 1982 Jun;91(6):628–30

A technique for transduodenal sphincteroplasty. Strom PR, et al. **Surgery** 1982 Sep;92(3):546–50

[Radical surgical treatment in carcinoma of the papilla duodeni major] Antonov G, et al. **Khirurgiia (Sofiia)** 1981; 34(3):235–9 (Eng. Abstr.) **(Bul)**

[Treatment of choledocholithiasis and papillary stricture by fibroduodenoscopic sphincterotomy (author's transl)] An R. **Chung Hua Nei Ko Tsa Chih** 1981 Feb;20(2):75–7 **(Chi)**

[Recurrent stenoses off the ampulla of Vater (author's transl)] Dvořák J. **Cesk Gastroenterol Vyz** 1981 May;35(3):95–9 (Eng. Abstr.) **(Cze)**

[5–year experience with transduodenal papillosphincterotomy] Nahodil V, et al. **Rozhl Chir** 1981 Jul;60(7):461–6 (Eng. Abstr.) **(Cze)**

[Endoscopic papillotomy in cholecystectomized patients (author's transl)] Deltenre M, et al. **Rev Med Brux** 1982; 3(4):263–8 (Eng. Abstr.) **(Fre)**

[Long term results after endoscopic sphincterotomy] Seifert E, et al. **Dtsch Med Wochenschr** 1982 Apr 23;107(16):610–4 (Eng. Abstr.) **(Ger)**

[Clinical value of endoscopic papillotomy] Koch H. **Fortschr Med** 1982 Feb 4;100(5):161–4 (Eng. Abstr.) **(Ger)**

[Percutaneous transhepatic dilatation of Vater's papilla in choledocholithiasis] Pfeifer KJ, et al. **Internist (Berlin)** 1982 Mar;23(3):166–7 **(Ger)**

[Late results of transduodenal sphincterotomy and sphincteroplasty based on 18 years of experience (with special respect to the analysis of unsatisfactory results) (author's transl)] Gál I, et al. **Langenbecks Arch Chir** 1982; 357(1):11–8 (Eng. Abstr.) **(Ger)**

[Endoscopic sphincterotomy in choledocholithiasis (author's transl)] Nutz V, et al. **Leber Magen Darm** 1981 Dec; 11(6):276–82 (Eng. Abstr.) **(Ger)**

[Obstructive icterus in pregnancy. A rare indication for endoscopic papillotomy] Broicher K. **Med Welt** 1982 Feb 26;33(8):273–4 **(Ger)**

[Diagnosis and therapy of biliary calculi. Combined use of ERCP, PTC and endoscopic papillotomy] Friedrichs O. **Med Welt** 1981 Aug 14;32(32–33):1204 **(Ger)**

[On the importance of endoscopic papillotomy (EPT)] Schulz HJ, et al. **Radiol Diagn (Berl)** 1982 Mar;23(2):261–5 **(Ger)**

[Duodenal perforation into the retroperitoneal space. Rare complication of endoscopic papillotomy] Dolder A, et al. **ROFO** 1981 Sep;135(3):367–8 **(Ger)**

[Endoscopic papillotomy] Bühler H. **Schweiz Med Wochenschr** 1982 Mar 13;112(11):375–9 (Eng. Abstr.) **(Ger)**

[Endoscopic papillotomy in benign papillary stenosis] Seefeld U, et al. **Schweiz Med Wochenschr** 1982 Apr 12; 112(15):528–9 (Eng. Abstr.) **(Ger)**

[Quality of life after duodenopancreatectomy in patients with carcinoma of Vater's ampulla (author's transl)] Sellner F, et al. **Wien Med Wochenschr** 1981 Oct 31;131(20):507–9 (Eng. Abstr.) **(Ger)**

[Indications and limitations of papillostomy and choledochoduodenostomy in biliary pathology] Pontone P. **Ann Ital Chir** 1981;53(1):63–70 **(Ita)**

[Total papillosphincteroplasty (internal choledochoduodenostomy) or partial papillosphincterotomy?] Pierantonelli L, et al. **Chir Patol Sper** 1980 Feb;28(1):65–71 **(Ita)**

[Evaluation of the operative risk in transduodenal papillostomy] Antonaci AR, et al. **Minerva Chir** 1982 Mar 15;37(5):441–3 **(Ita)**

[Technical solution in a case of peptic ulcer of the 2d duodenum (juxtapapillary)] Berardi S, et al. **Minerva Chir** 1981 Nov 30;36(22):1519–22 **(Ita)**

[Criteria of the prevention of complications of papilla surgery] Ferulano GP, et al. **Minerva Chir** 1982 Mar 15; 37(5):451–4 **(Ita)**

[Endoscopic sphincterectomy: technic, indications, contraindications, complications and early results] Foco A, et al. **Minerva Chir** 1982 Feb 15;37(3):167–82 (Eng. Abstr.) **(Ita)**

[Papillosphincteroplasty and wirsungsphincteroplasty. 10 years of experience] Gazzaniga GM, et al. **Minerva Chir** 1981 Oct 15;36(19):1226–36 (Eng. Abstr.) **(Ita)**

[Treatment of obstructive non–neoplastic pathology of the common bile duct with papillosphincteroplasty. Our experience] Lorusso D, et al. **Minerva Chir** 1982 Apr 15; 37(7):605–9 (Eng. Abstr.) **(Ita)**

[Current considerations on papillosphincterotomy] Macellari G, et al. **Minerva Chir** 1981 Feb 15;36(3):131–4 (Eng. Abstr.) **(Ita)**

[Results of choledochoduodenostomy and papillosphincterotomy in the surgical treatment of cholestasis as a result of cholelithiasis] Santoro A, et al. **Minerva Chir** 1982 Jan 15–31;37(1–2):67–74 (Eng. Abstr.) **(Ita)**

[Current views on surgery of Vater's papilla] Presenti L, et al. **Recenti Prog Med** 1981 Jan;70(1):70–4 **(Ita)**

[Endoscopic papillotomy in the treatment of cholelithiasis] Nowak A. **Pol Arch Med Wewn** 1982 Jan–Feb; 67(1–2):29–34 (Eng. Abstr.) **(Pol)**

[A controversial problem: Oddi sphincterotomy in cholangitis] Burlui D, et al. **Rev Chir [Chir]** 1981 Sep–Oct; 30(5):341–50 (Eng. Abstr.) **(Rum)**

[Surgical correction of obstruction of the major duodenal papilla] Kochnev OS, et al. **Khirurgiia (Mosk)** 1981 Oct; (10):43–7 (Eng. Abstr.) **(Rus)**

[Radical papillectomy in cancer of the Vater's ampulla] Malyshev IuI, et al. **Khirurgiia (Mosk)** 1981 Nov;(11):10–3

(Eng. Abstr.) (Rus)

[Opisthorchiasis in combination with stenosis of the major duodenal papilla] Movchun AA, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):106–8 (Rus)

[Extraction of stones from the hepaticocholedochus and bougienage of the major duodenal papilla via the cholecystostoma] Prudkov MI. **Khirurgiia (Mosk)** 1981 Oct;(10):103–4 (Rus)

[Papillosphincterotomy] Vinogradov VV, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):6–10 (Eng. Abstr.) (Rus)

[Papillosphincterotomy in choledocholithiasis] Bondarenko VA, et al. **Klin Khir** 1981 Sep;(9):47–8 (Eng. Abstr.) (Rus)

[Surgical treatment of Vater's ampulla stenosis and common bile duct calculi in elderly patients] Pantsyrev IuM, et al. **Klin Med (Mosk)** 1981 Nov;59(11):80–3 (Rus)

[Suturing apparatus for papillosphincteroplasty] Danilov MV, et al. **Med Tekh** 1981 Sep–Oct;(5):51–2 (Rus)

[Carcinoma of the major duodenal papilla] Artem'eva NN. **Vestn Khir** 1981 Aug;127(8):45–51 (Eng. Abstr.) (Rus)

VECTORCARDIOGRAPHY

The orthogonal Frank electrocardiogram in 257 nurse students. Zenner RJ, et al. **Acta Cardiol (Brux)** 1981; 36(4):275–87

Polarcardiographic analysis by automated digital minicomputer. Dower GE, et al. **Acta Med Port** 1981 Mar–Apr;3(2):133–41

Vectorcardiography in the diagnosis of postoperative myocardial infarction. Midtbö K, et al. **Acta Med Scand** 1982 May;211(3):163–7

Cardiac electrical resultant dipole moment of spontaneously hypertensive rats. Hodgkin BC, et al. **Am J Physiol** 1981 Oct;241(4):H541–6

Electrocardiogram and vectorcardiogram of the month. Johnson CD. **Bol Asoc Med PR** 1981 Jul;73(7):353–6

Polarcardiographic (triaxicardiometric) study on the effect of isosorbide dinitrate on exercise-induced myocardial ischemia. Antalóczy Z, et al. **Cardiology** 1981;68 Suppl 2:147–52

Electrocardiography and vectocardiography in the evaluation of left ventricular hypertrophy due to pressure overload. Clementy J, et al. **Eur Heart J** 1982 Apr;3 Suppl A:37–47

Effects of isoproterenol on vectorcardiographic pattern of 'early repolarization syndrome'. Fantini F, et al. **G Ital Cardiol** 1981;11(6):797–802

Vectorcardiography in ischemic heart disease. Gandhi MJ. **Indian Heart J Teach Ser** 1980;(8):452–4

Electrocardiography vs. vectorcardiography in the diagnosis of left anterior hemiblock associated with inferior wall myocardial infarction: a critical analysis. Naschitz JE, et al. **Isr J Med Sci** 1982 Apr;18(4):463–6

Vectorcardiographic manifestations of experimental right ventricular necrosis. Warner RA, et al. **J Electrocardiol** 1981;14(2):175–9

Detection of experimental right ventricular necrosis using vectorcardiograms obtained during artificial pacing. Warner RA, et al. **J Electrocardiol** 1982 Apr;15(2):119–25

The relationship between exercise-induced R wave amplitude changes and QRS vector loops. Watanabe K, et al. **J Electrocardiol** 1981;14(2):129–38

Correlative studies between Frank vectorcardiograms and thallium-201 myocardial perfusion images in patients with old anterior myocardial infarction. Kawai N, et al. **Jpn Circ J** 1982 Jul;46(7):684–92

Clinical significance of ventricular gradient with a right orientation. Motomura M, et al. **Jpn Circ J** 1982 Jul; 46(7):669–74

QRS planarity studies in the vectorcardiogram. Clinical and experimental studies. Hiraoka M, et al. **Jpn Heart J** 1982 Jan;23(1):39–48

Vectorcardiographic finding of varying degrees of left anterior hemiblock. A case report. Nakaya Y, et al. **Jpn Heart J** 1981 Nov;22(6):1005–11

Dynamic electrocardiography IV. The 'imaginary cardiac vector' hypothesis: the evolution of the vectorcardiographic inverse solution. Gathiram P, et al. **Med Hypotheses** 1981 Jul;7(7):825–62 (71 ref.)

Dynamic electrocardiography V. The 'imaginary cardiac vector' hypothesis: experimental evaluation. Katzeff IE, et al. **Med Hypotheses** 1981 Jul;7(7):863–84

Clinical implication of inscription of the horizontal QRS loop in free aortic regurgitation. Tseng YZ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Sep;80(9):919–28

[Diagnostic value of the spatial velocity electrocardiogram in myocardial infarct] Belov Iu, et al. **Vutr Boles** 1981; 20(4):85–92 (Eng. Abstr.) (Bul)

[Polarcardiographic diagnosis of posterior wall myocardial infarct in the subacute and chronic stages] Dzhonov A. **Vutr Boles** 1981;20(6):63–8 (Eng. Abstr.) (Bul)

[Observation of vectorcardiographic P loop changes in chronic cor pulmonale (author's transl)] Hua ZH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1981 Dec;4(6):345–8 (Eng. Abstr.) (Chi)

[An analysis of loop in the vectorcardiograms of 200 normal adults (author's transl)] Lin SF. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):213–7 (Eng. Abstr.) (Chi)

[Complete left bundle-branch block. Vector-mechanocardiographic correlations] Bordalo AD, et al. **Arch Mal Coeur** 1981 Aug;74(8):917–21 (Eng. Abstr.) (Fre)

[Vectorcardiographic criteria of ventricular hypertrophy in a population of athletes] Chignon JC, et al. **Arch Mal Coeur** 1981 Sep;74(9):1099–105 (Eng. Abstr.) (Fre)

[Left axial deviation and anterior left fascicular block] Zamfirescu NR, et al. **Physiologie** 1981 Jan–Mar;18(1):61–4 (Fre)

[The vectorcardiogram in prefibrillation ventricular tachycardia] Alella A, et al. **Boll Soc Ital Cardiol** 1980; 25(10):1227–30 (Ita)

[Vectorcardiographic abnormalities in subjects not affected by familial hypertrophic cardiopathy] Loperfido F, et al. **Boll Soc Ital Cardiol** 1980;25(9):1141–3 (Ita)

[Usefullness of the vectorcardiographic findings of posterior necrosis] Santoro G, et al. **Boll Soc Ital Cardiol** 1980; 25(7):747–53 (Eng. Abstr.) (Ita)

[Myocardial infarct and pseudo-infarct. Vectorcardiographic study] Tullio D, et al. **Boll Soc Ital Cardiol** 1980; 25(8):937–48 (40 ref.) (Ita)

[Diagnosis of myocardial infarct in presence of anterior fascicular block. Electrocardiographic and vectorcardiographic studies] Tullio D. **Boll Soc Ital Cardiol** 1980;25(4):397–408 (Eng. Abstr.) (Ita)

[The significance of notches or bites in the vectorcardiogram. Study in cardiopathy caused by adriamycin] Vitolo E, et al. **Boll Soc Ital Cardiol** 1980;25(9):1073–5 (Ita)

[Significance of electro-vectorcardiographic changes in patients and carriers of Duchenne muscular dystrophy] Wu SC, et al. **Boll Soc Ital Cardiol** 1981;26(1):29–39 (Ita)

[Electrocardiographic and vectorcardiographic aspects of tricuspid atresia] Calabrò R, et al. **G Ital Cardiol** 1981; 11(5):569–76 (Eng. Abstr.) (Ita)

[Pulmonary stenosis with intact interventricular septum: qualitative and quantitative analysis of the vectorcardiogram (author's transl)] Elia LR, et al. **G Ital Cardiol** 1981;11(12):1948–56 (Ita)

[Hypertrophic cardiomyopathy: ECG–VCG abnormalities in absence of the echocardiographic markers in a family (author's transl)] Loperfido F, et al. **G Ital Cardiol** 1981; 11(9):1266–75 (Eng. Abstr.) (Ita)

[Electrocardiographic and vectorcardiographic examinations in differential diagnosis of cyanotic congenital cardiopathies with interventricular defect and obstruction of pulmonary outflow] Marsico F, et al. **G Ital Cardiol** 1981;11(5):559–68 (Eng. Abstr.) (Ita)

[Precordial mapping of the QRS complex and Frank's orthogonal ECG in evaluation of the myocardial infarct area. Comparison of the 2 methods] Melandri G, et al. **G Ital Cardiol** 1981;11(5):600–7 (29 ref.) (Eng. Abstr.) (Ita)

[Progress of electrocardiography and vectorcardiography in the past 10 years] Piccolo E, et al. **G Ital Cardiol** 1981;11 Suppl 1:73–102 (181 ref.) (Ita)

['Left bundle branch block' pattern induced by premature right atrial stimulation. Electrogenetic and clinical considerations (author's transl)] Raviele A, et al. **G Ital Cardiol** 1981;11(8):1026–43 (Eng. Abstr.) (Ita)

[Vectorcardiographic study in elderly subjects with a normal ECG (author's transl)] Tullio D, et al. **G Ital Cardiol** 1981; 11(12):1957–67 (Eng. Abstr.) (Ita)

[Echocardiographic and vectorcardiographic findings in patients with pacemakers] Curzio G, et al. **Minerva Cardioangiol** 1981 Nov;29(11):603–12 (Eng. Abstr.) (Ita)

[Unusual ECG and vectorcardiographic aspects of hypertrophic cardiomyopathy] Labriola E, et al. **Minerva Cardioangiol** 1981 Sep;29(9):461–70 (Eng. Abstr.) (Ita)

[Measurement of the angle element of pacing vector, electrode vector and QRS vector (author's transl)] Akanuma T, et al. **Kokyu To Junkan** 1981 Jul;29(7):757–61 (Eng. Abstr.) (Jpn)

[Comparative studies of T-wave, T-loop, coronary angiography and left ventriculography] Chin M, et al. **Nippon Rinsho** 1981 Sep;39(9):3144–6 (Jpn)

[Epicardial breakthrough and relationship between body surface isopotential mapping and isochronic mapping] Doniwa K, et al. **Nippon Rinsho** 1981 Sep;39(9):3142–4 (Jpn)

[Effects of propranolol on vectorcardiography] Haraoka S, et al. **Nippon Rinsho** 1981 Oct;39(10):3361–3 (Jpn)

[Effects of respiration on Frank's vectorcardiography] Haraoka S, et al. **Nippon Rinsho** 1982;40(3):710–3 (Jpn)

[Ventricular excitation propagation process seen on body surface isopotential distribution map] Hayashi H, et al. **Nippon Rinsho** 1981 Jan;39(1):217–20 (Jpn)

[Vectorcardiography of idiopathic cardiomyopathy—comparison with 201 Tl myocardial scintigraphy] Inagaki H, et al. **Nippon Rinsho** 1981 Oct; 39(10):3366–8 (Jpn)

[Electrocardiographic determination of blood flow volume in ischemic heart diseases] Inoue M, et al. **Nippon Rinsho** 1981;39(7):2547–53 (21 ref.) (Jpn)

[Studies of post-pacemaker T-loop] Izumo K, et al. **Nippon Rinsho** 1982;40(3):716–8 (Jpn)

[Prognostic evaluation of ischemic heart disease by ventricular gradient] Kawashita K, et al. **Nippon Rinsho** 1982;40(3):725–7 (Jpn)

[Studies of ischemic heart disease by body surface isopotential distribution map—T-wave changes by exercise loading] Kubota K, et al. **Nippon Rinsho** 1982;40(3):722–5 (Jpn)

[Spatial velocity ECG in experimental chronic diffuse myocardial injury] Kunio S, et al. **Nippon Rinsho** 1981 Sep; 39(9):3149–51 (Jpn)

[Absolute value of induction vector] Mashima S, et al. **Nippon Rinsho** 1981 Sep;39(9):3141–2 (Jpn)

[VCG P loop in sick sinus syndrome] Muto T, et al. **Nippon Rinsho** 1981 Oct;39(10):3359–61 (Jpn)

[Cardiac surface mapping of spatial velocity ECG in experimental left posterior branch block] Nakaya Y, et al. **Nippon Rinsho** 1981 Oct;39(10):3356–9 (Jpn)

[Studies of U-loop by direct recording vectorcardiography in normal and hypertensive state] Nakaya Y, et al. **Nippon Rinsho** 1982;40(3):713–6 (Jpn)

[Computer studies of ventricular model in the reverse direction ECG] Okajima M, et al. **Nippon Rinsho** 1982; 40(3):708–10 (Jpn)

[Dipoles conjectured from body surface isopotential distribution/mapping] Okamoto Y, et al. **Nippon Rinsho** 1981 Sep;39(9):3139–41 (Jpn)

[Vectorcardiographic diagnosis of myocardial infarction over wide areas] Suzuki K, et al. **Nippon Rinsho** 1982;40(3):730–2 (Jpn)

[Vectorcardiographic diagnosis of lower wall infarction—false positive reactions] Takatsu F, et al. **Nippon Rinsho** 1982;40(3):728–30 (Jpn)

[Body surface isopotential distribution map—T-wave in ischemic heart diseases] Toyama S, et al. **Nippon Rinsho** 1981 Jan;39(1):220–3 (Jpn)

[Body surface isopotential distribution mapping of T-wave. 2. T-loop in myocardial infarct] Toyama S, et al. **Nippon Rinsho** 1981 Sep;39(9):3147–9 (Jpn)

[Studies of changes in VCG P-loop according to the severity of hypertensive state] Yamamoto T, et al. **Nippon Rinsho** 1982;40(3):718–20 (Jpn)

[Usefulness of Frank's P-loop analysis in the determination of the severity of ischemic heart disease] Yokota M, et al. **Nippon Rinsho** 1982;40(3):720–2 (Jpn)

[Vectorcardiography of hypertrophic cardiomyopathy] Yoshioka H, et al. **Nippon Rinsho** 1981 Oct;39(10):3363–6 (Jpn)

[Comparison of the electro- and vectorcardiogram changes in the late recovery period after physical loading in postinfarct cardiosclerosis patients] Leshchenko AI, et al. **Kardiologiia** 1982;22(7):113–5 (Rus)

[Vectorcardiogram in healthy children during adolescence (author's transl)] Bernadič M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):295–302 (Eng. Abstr.) (Slo)

[Contribution to the possibility of detailed follow-up of the heart atria activation (author's transl)] Michalik D, et al. **Bratisl Lek Listy** 1982 Apr;77(4):421–8 (Eng. Abstr.) (Slo)

[Normal areas of end points of vectorcardiographic vectors QRS and T (author's transl)] Ruttkay-Nedecký I, et al. **Bratisl Lek Listy** 1982 Apr;77(4):403–12 (Eng. Abstr.) (Slo)

[Experimental electro-vectorcardiographic study of anterior septal necrosis with extension to the anterior surface of the right ventricle] Medrano GA, et al. **Arch Inst Cardiol Mex** 1981 May–Jun;51(3):207–19 (Eng. Abstr.) (Spa)

[Vectorcardiographic manifestations of left intraventricular conduction disorders] de Micheli A, et al. **Prensa Med Mex** 1979 Nov–Dec;44(11–12):260–9 (Eng. Abstr.) (Spa)

[Vectorcardiographic manifestations of left ventricular and biventricular enlargement] de Micheli A, et al. **Prensa Med Mex** 1979 Nov–Dec;44(11–12):251–9 (Eng. Abstr.) (Spa)

[Vectorcardiographic manifestations of right ventricular enlargement] de Micheli A, et al. **Prensa Med Mex** 1979 Nov–Dec;44(11–12):242–50 (Eng. Abstr.) (Spa)

[Vectorcardiographic manifestations of supraventricular ectopic rhythms] Medrano GA, et al. **Prensa Med Mex** 1979 Nov–Dec;44(11–12):234–41 (Eng. Abstr.) (Spa)

INSTRUMENTATION

A simple VCG system with temporal dimension, directional reference and display of component loops. Chatterjee PC, et al. **J Biomed Eng** 1982 Apr;4(2):149–52

[Newly developed equipment for analyzing body surface isopotential distribution map] Ohta T, et al. **Nippon Rinsho** 1981 Jan;39(1):223–5 (Jpn)

[The Czechoslovak vectorcardiographic monitoring system OPD-603 Tesla (author's transl)] Navarová M, et al. **Bratisl Lek Listy** 1982 Mar;77(3):317–25 (Eng. Abstr.) (Slo)

METHODS

Computer-assisted interpretation of orthogonal electrocardiograms and vectorcardiograms by the Louvain system. Brohet C, et al. **Acta Cardiol [Suppl] (Brux)** 1981; 26:19–28

Vector mapping: a method for the direct electric portrayal of the human heart's muscle structure: the electric heart portrait. Kienle FA. **Acupunct Electrother Res** 1981; 6(2–3):183–222

A computerized approach to evaluating rest and exercise-induced ECG/VCG changes after cardiac

rehabilitation. Watanabe K, et al. **Clin Cardiol** 1982 Jan; 5(1):27–34

Theoretical evaluation of the McFee and Frank vectorcardiographic lead systems using a numerical inhomogeneous torso model. Mailloux GE, et al. **IEEE Trans Biomed Eng** 1982 May;29(5):322–32

Micro-processor synthesis and analysis of the polarcardiogram. Grant ME, et al. **J Electrocardiol** 1982 Jan;15(1):69–76

A simple method for analysis of vectorcardiograms. Wartak J. **J Electrocardiol** 1981;14(2):181–4

Inverse solution of ST vector as a single unfixed location dipole in patients with acute myocardial infarction. Inoue M, et al. **Jpn Circ J** 1981 Oct;45(10):1212–7

Octant vectorcardiography and its data basis. Laufberger V. **Physiol Bohemoslov** 1981;30(6):481–95

Octant vectorcardiography – the evaluation by peaks. Laufberger V. **Physiol Bohemoslov** 1982;31(1):1–9

[Posterobasal infarction and right bundle branch block: value of computerized vectorcardiography] Timpone G, et al. **Arch Mal Coeur** 1982 Jul;75(7):775–84 (Eng. Abstr.) **(Fre)**

[Vectorcardiogram and electrocardiogram processing service dedicated to clinical research] Manzoni P, et al. **G Ital Cardiol** 1981;11(12):2170–84 **(Ita)**

[Body surface isopotential map and its clinical application] Hayashi H, et al. **Nippon Rinsho** 1981 Jun;39(6):2407–28 (213 ref.) **(Jpn)**

VETERINARY

[Computerized study of vectorial loops and parameters in the ECG of the dog] Grauerholz H. **Berl Munch Tierarztl Wochenschr** 1982 Jun 15;95(12):221–7 (Eng. Abstr.) **(Ger)**

VECTORS, GENETIC see **GENETIC VECTORS**

VEGETABLE PROTEINS

Comparison of the primary structure of the acidic polypeptides of glycinin. Moreira MA, et al. **Arch Biochem Biophys** 1981 Sep;210(2):633–42

Should zinc be added to textured vegetable protein? Hogarth FW. **J Hum Nutr** 1981 Oct;35(5):379–82 (32 ref.)

In vitro estimation of iron availability in meals containing soy products. Schricker BR, et al. **J Nutr** 1982 Sep; 112(9):1696–705

ADMINISTRATION & DOSAGE

Influence of diets containing casein, soy isolate, and soy concentrate on serum cholesterol and lipoproteins in middle-aged volunteers. van Raaij JM, et al. **Am J Clin Nutr** 1982 May;35(5):925–34

ADVERSE EFFECTS

Prediction of the suitability of soya-bean products for feeding to preruminant calves by an in-vitro immunochemical method. Sissons JW, et al. **Br J Nutr** 1982 Mar;47(2):311–8

Exploring cow's milk and soy protein sensitivity in human infants. **Nutr Rev** 1981 Aug;39(8):305–7 (11 ref.)

Cow's milk and soy protein intolerance in childhood. Kibort PM, et al. **Pediatr Ann** 1982 Jan;11(1):119–23

ANALYSIS

Isodityrosine, a new cross-linking amino acid from plant cell-wall glycoprotein. Fry SC. **Biochem J** 1982 May 15; 204(2):449–55

BIOSYNTHESIS

Molecular aspects of legume seed storage protein synthesis. Beachy RN. **CRC Crit Rev Food Sci Nutr** 1982;16(2):187–98 (45 ref.)

Characterisation and subunit structures of the vicilin storage proteins of pea (Pisum sativum L.). Gatehouse JA, et al. **Eur J Biochem** 1981 Sep 1;118(3):627–33

GENETICS

The biosynthesis and processing of high molecular weight precursors of soybean glycinin subunits. Barton KA, et al. **J Biol Chem** 1982 Jun 10;257(11):6089–95

IMMUNOLOGY

Comparison of the antigenic properties of the glycinin polypeptides. Moreira MA, et al. **Arch Biochem Biophys** 1981 Sep;210(2):643–6

METABOLISM

Protein evaluation of mixed diets. Comparative study in man and in the pig and rat of vegetable-animal and vegetable protein diets. Forsum E, et al. **Ann Nutr Metab** 1981; 25(3):137–50

Assembly of storage protein oligomers in the endoplasmic reticulum and processing of the polypeptides in the protein bodies of developing pea cotyledons. Chrispeels MJ, et al. **J Cell Biol** 1982 May;93(2):306–13

PHARMACODYNAMICS

Effect of soy protein on nonheme iron absorption in man. Hallberg L, et al. **Am J Clin Nutr** 1982 Sep;36(3):514–20

Studies on the chemical modification and potato (Solanum tuberosum) lectin and its effect on haemagglutinating activity. Ashford D, et al. **Biochem J** 1981 Nov 1; 199(2):399–408

The effect of dietary raw and autoclaved soya-bean protein fractions on growth, pancreatic enlargement and pancreatic enzymes in rats. Naim M, et al. **Br J Nutr** 1982 Mar; 47(2):281–8

A longitudinal cross-over study of serum cholesterol and lipoproteins in rabbits fed on semi-purified diets containing either casein or soya-bean protein. Terpstra AH, et al. **Br J Nutr** 1982 Mar;47(2):213–21

Studies on the mechanism of antihypercholesterolemic action of soy protein and soy protein-type amino acid mixtures in relation to the casein counterparts in rats. Nagata Y, et al. **J Nutr** 1982 Aug;112(8):1614–25

The effect of age on the development of hypercholesterolemia in rabbits fed semipurified diets containing casein. West CE, et al. **J Nutr** 1982 Jul; 112(7):1287–95

SUPPLY & DISTRIBUTION

Wet season vegetable protein use among riverine tropical American cultures: a neglected adaptation? Blank PW. **Soc Sci Med [D]** 1981 Nov;15D(4):463–9

THERAPEUTIC USE

Determinants of hypocholesterolemic response to soy and animal protein-based diets. Shorey RL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1769–78

Fecal cholesterol excretion studies in type II hypercholesterolemic patients treated with the soybean protein diet. Fumagalli R, et al. **Atherosclerosis** 1982 Jun; 43(2–3):341–53

Soybean protein independently lowers plasma cholesterol levels in primary hypercholesterolemia. Goldberg AP, et al. **Atherosclerosis** 1982 Jun;43(2–3):355–68

The hypocholesterolemic effect of dietary soy protein in rats. Terpstra AH, et al. **J Nutr** 1982 Apr;112(4):810–7

[Possible use of soybean protein in diet therapy of patients with chronic hepatitis] Fan TK, et al. **Vopr Pitan** 1981 Sep-Oct;(5):8–12 (Eng. Abstr.) **(Rus)**

VEGETABLES

Blood sugar changes in diabetics after a test meal containing vegetables and olive oil [letter] Katsilambros N, et al. **Acta Diabetol Lat** 1982 Apr-Jun;19(2):185–6

Effects of ginsenosides Rg1 and Rb1 of Panax ginseng on mitosis in root tip cells of Allium cepa. Ng WY, et al. **Am J Chin Med** 1981 Summer;9(2):119–33

Effect of fiber from fruits and vegetables on metabolic responses of human subjects: fiber intakes, fecal excretions, and apparent digestibilities. Kelsay JL, et al. **Am J Clin Nutr** 1981 Sep;34(9):1849–52

Isolation of acholeplasmas and a mycoplasma from vegetables. Somerson NL, et al. **Appl Environ Microbiol** 1982 Feb;43(2):412–7

Absence of mutagenic activity and a short-term toxicity study of beet pigments as food colorants. von Elbe JH, et al. **Arch Toxicol** 1981 NOV;49(1):93–8

The production and properties of an antiserum to potato (Solanum tuberosum) lectin. Ashford D, et al. **Biochem J** 1982 Mar 1;201(3):641–5

Polyphenol oxidase and peroxidase in fruits and vegetables. Vámos-Vigyázó L. **CRC Crit Rev Food Sci Nutr** 1981; 15(1):49–127 (494 ref.)

Modification of beet and cabbage diets of aflatoxin B1-induced rat plasma alpha-foetoprotein elevation, hepatic tumorigenesis, and mutagenicity of urine. Boyd JN, et al. **Food Chem Toxicol** 1982 Feb;20(1):47–52

Diphenyl ether herbicides remarkably elevate the content in Spinacia oleracea of (E)-3-(4-hydroxy-3-methoxyphenyl)-N-[2-(4-hydroxy-3 propenamide. Suzuki T, et al. **J Agric Food Chem** 1981 Sep-Oct;29(5):992–5

Immunoglobulin E antibodies that crossreact with vegetable foods, pollen, and Hymenoptera venom. Aalberse RC, et al. **J Allergy Clin Immunol** 198? Nov;68(5):356–64

Effects of tomato pomace and mixed-vegetable pomace on serum and liver cholesterol in rats. Elliott J, et al. **J Nutr** 1981 Dec;111(12):2203–11

Fasting and postprandial plasma free amino acids of infants and children consuming exclusively potato protein. Lopez de Romaña G, et al. **J Nutr** 1981 Oct;111(10):1766–71

Carotene, carrots, and white blood cells [letter] Stampfer MJ, et al. **Lancet** 1982 Sep 11;2(8298):615

False-positive Hemoccult test not caused by turnips [letter] Broderick GT Jr, et al. **N Engl J Med** 1982 Jul 15; 307(3):191

Investigation into raw potato bits as a basic material for the formulation of prolonged action coated beads. Deshpande AV. **Pharmazie** 1981 Oct;36(10):690–1

Bacteria in frozen vegetables. Michels MJ. **Soc Appl Bacteriol Symp Ser** 1982;(10):197–218 (45 ref.)

Contamination of food plants and plant products with bacteria of public health significance. Roberts D, et al. **Soc Appl Bacteriol Symp Ser** 1982;(10):169–95 (88 ref.)

Toxic bacterial dusts associated with plants. Salkinoja-Salonen MS, et al. **Soc Appl Bacteriol Symp Ser** 1982;(10):219–33 (37 ref.)

[Goitrogens of vegetable origin as possible aetiological factors in endemic goiter (author's transl)] Ermans AM. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4–5):435–8 (Eng. Abstr.) **(Fre)**

[The use of silica in vegetable and powder soups] Vigneron M. **Bull Acad Natl Med (Paris)** 1981 Feb;165(2):275–6 **(Fre)**

[Microbiological examination of dried vegetables and condiments] Stec E. **Rocz Panstw Zakl Hig** 1981; 32(3):229–35 (Eng. Abstr.) **(Pol)**

[Transmission of Giardia cysts. II. Fruits and vegetables as a source of invasion] Kasprzak W, et al. **Wiad Parazytol** 1981;27(4–5):565–71 (Eng. Abstr.) **(Pol)**

[Bacterial indicators of fecal pollution in irrigation waters of vegetable gardens supplying the municipality of Natal, State of Rio Grande do Norte (Brazil)] Chagas SD, et al. **Rev Saude Publica** 1981 Dec;15(6):629–42 (Eng. Abstr.) **(Por)**

[Physiological and biochemical characteristics of the cells of a carrot gall tumor developing in weightlessness] Tairbekov MG, et al. **Kosm Biol Aviakosm Med** 1982 Mar-Apr;16(2):45–8 (Eng. Abstr.) **(Rus)**

[Potential for benz(alpha)pyrene uptake from the soil into potato tubers and grain] Dikun PP, et al. **Vopr Onkol** 1982; 28(1):54–7 (Eng. Abstr.) **(Rus)**

[Effect of rations containing fluorine ion on biochemical and hematological indices of body status] Lykova AS, et al. **Vopr Pitan** 1981 Nov-Dec;(6):46–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Unsuspected lettuce immediate allergy in a case of delayed metal allergy. Fregert S, et al. **Contact Dermatitis** 1982 Jul; 8(4):265

[Mutagenic activities of the pyrolysis products of vegetables and soy sauce (author's transl)] Shimizu H, et al. **Nippon Eiseigaku Zasshi** 1980 Dec;35(5):774–81 (Eng. Abstr.) **(Jpn)**

[Nutritional nitrate methemoglobinemia caused by carrot infusion] Kovács L, et al. **Cesk Pediatr** 1981 Oct; 36(10):585–7 (Eng. Abstr.) **(Slo)**

[Acquired methemoglobinaemia (author's transl)] Arranz L, et al. **An Esp Pediatr** 1981 Nov;15(5):482–7 (Eng. Abstr.) **(Spa)**

ANALYSIS

Determination of residues of synthetic pyrethroids in fruit and vegetables by gas – liquid and high-performance liquid chromatography. Baker PG, et al. **Analyst** 1982 Feb; 107(1271):206–12

Spectrophotometric determination of nitrate in vegetable products using 2-sec-butylphenol. Tanaka A, et al. **Analyst** 1982 Feb;107(1271):190–4

Electrophoretic and immunochemical characterization of radish beta-fructosidase microheterogeneity. Faye L, et al. **Arch Biochem Biophys** 1982 Jan;213(1):45–9

Mercury and selenium content and chemical form in vegetable crops grown on sludge-amended soil. Cappon CJ. **Arch Environ Contam Toxicol** 1981 Nov;10(6):673–89

Elemental content of vegetables and millet grown in potted soil amended with lignite fly ash. Furr AK, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):647–51

Residues of ethoprop in eight vegetables. Hunt TW, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):84–9

A chromogenic paper for ultrarapid detection of organochlorine insecticide residues in vegetables. Karanth NG, et al. **Bull Environ Contam Toxicol** 1982 Feb; 28(2):221–4

Promoting effect of Roussin's red identified in pickled vegetables from Linxian China. Cheng SJ, et al. **Carcinogenesis** 1981;2(4):313–9

The constituents of tomato fruit--the influence of environment, nutrition, and genotype. Davies JN, et al. **CRC Crit Rev Food Sci Nutr** 1981;15(3):205–80 (537 ref.)

Bioavailability of thiamine, riboflavin and niacin from commonly consumed green leafy vegetables in the rural areas of Andhra Pradesh in India. Girija V, et al. **Int J Vitam Nutr Res** 1982;52(1):9–13

Determination of thiophanate methyl as carbendazin by high-pressure liquid chromatography: application to onions and cabbage. Aten CF, et al. **J Agric Food Chem** 1982 May-Jun;30(3):610–1

Glucosinolates in crucifer vegetables: turnips and rutabagas. Carlson DG, et al. **J Agric Food Chem** 1981 Nov-Dec; 29(6):1235–9

Effect of potato virus X on the mineral content of potato tubers. Chandra S, et al. **J Agric Food Chem** 1981 Jul-Aug; 29(4):811–4

Determination of fenvalerate, a synthetic pyrethroid, in grapes, peppers, apples, and cottonseeds by gas-liquid chromatography. Greenberg RS. **J Agric Food Chem** 1981 Jul-Aug;29(4):856–60

Determination of trace amounts of selenium in corn, lettuce, potatoes, soybeans, and wheat by hydride generation/condensation and flame atomic absorption spectrometry. Hahn MH, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):792–6

Analysis of the garden carrot (Daucus carota L.) for linear furocoumarins (Psoralens) at the sub parts per million level. Ivie GW, et al. **J Agric Food Chem** 1982 May-Jun; 30(3):413–6

Persistence of aldicarb in soil relative to the carry-over of residues into crops. Maitlen JC, et al. **J Agric Food Chem** 1982 May-Jun;30(3):589-92

Absorption of aflatoxin by lettuce seedlings grown in soil adulterated with aflatoxin B1. Mertz D, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1168-70

Stability of amino acids during cooking and processing of sweet potatoes. Purcell AE, et al. **J Agric Food Chem** 1982 May-Jun;30(3):443-4

Isolation and identification of a new conjugated carbofuran metabolite in carrots: angelic acid ester of 3-hydroxycarbofuran. Sonobe H, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1125-9

Variation of myristicin content in cultivated parsnip roots (Pastinaca sativa ssp. sativa var. hortensis). Stahl E. **J Agric Food Chem** 1981 Jul-Aug;29(4):890-2

Mycotoxin production in whole tomatoes, apples, oranges, and lemons. Stinson EE, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):790-2

Biological quality and composition of sweet potato protein fragments. Walter WM Jr, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):797-9

Residue analysis of isopropyl N-(3-Chlorophenyl)carbamate in fruits and vegetables using high-performance liquid chromatography. Wilson AM, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):746-9

Gas-liquid chromatographic method for determining oxamyl in peppers, tomatoes, and cucumbers. Greenberg RS. **J Assoc Off Anal Chem** 1981 Sep;64(5):1216-20

Gas-liquid chromatographic-mass spectrometric confirmation of endosulfan and endosulfan sulfate in apples and carrots. Wilkes PS. **J Assoc Off Anal Chem** 1981 Sep; 64(5):1208-10

High-performance liquid chromatographic determination of azinphos methyl and azinphos methyl oxon in fruits and vegetables. Wilson AM, et al. **J Chromatogr** 1981 Sep 18; 214(1):140-7

Distribution of nitrapyrin [12-chloro-6-(trichloromethyl)-pyridine] and 2-chloro-6-(dichloromethyl)-pyridine in red beet treated with nitrapyrin. Kallio H, et al. **J Sci Food Agric** 1982 May;33(5):451-5

Precipitation of proteins from potato juice with bentonite. Lindner P, et al. **J Sci Food Agric** 1981 Dec;32(12):1177-82

Contamination of soils and plants by mercury as influenced by the proximity to industries in Alexandria, Egypt. Elsokkary IH. **Sci Total Environ** 1982 Apr;23:55-60

Enzymatic degradation of polar lipids in deep-frozen parsley. Duden R, et al. **Z Ernahrungswiss [Suppl]** 1981 Sep; 20(3):172-81

[Investigation on contamination of vegetables by cadmium in the Mayibang District (author's transl)] Zhou QS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):363-5 **(Chi)**

[Analytical and galenical study of the coloring matter from the red beet purified by fermentation (author's transl)] Lejeune B, et al. **Ann Pharm Fr** 1981;39(5):463-71 (Eng. Abstr.) **(Fre)**

[Dithiocarbamate fungicides. I. Loss of residues in experimental field tests] Di Muccio A, et al. **Nuovi Ann Ig Microbiol** 1981 Jul-Aug;32(4):279-88 (Eng. Abstr.) **(Ita)**

[Residue determination of benomyl in foods by high performance liquid chromatography (author's transl)] Isohata E, et al. **Eisei Shikenjo Hokoku** 1981;99:47-50 (Eng. Abstr.) **(Jpn)**

[Studies on analysis of pesticide residues in foods (XXXII). Confirmation of the residual pesticides in the crops by gas chromatography-mass spectrometry with computer (author's transl)] Sekita H, et al. **Eisei Shikenjo Hokoku** 1981;99:89-97 (Eng. Abstr.) **(Jpn)**

[Atomic absorption spectrophotometry method for determination of lead, cadmium, zinc and copper in various vegetable products] Brzozowska B, et al. **Rocz Panstw Zakl Hig** 1981;32(1):9-15 (Eng. Abstr.) **(Pol)**

[Nitrate and nitrite content in selected vegetables] Karlowski K, et al. **Rocz Panstw Zakl Hig** 1981;32(5-6):407-12 (Eng. Abstr.) **(Pol)**

[Ultraviolet spectrophotometric determination of the benzoic acid content of fruit products, nonalcoholic carbonated drinks and tomato concentrate. I. The characteristics of the method] Sokołowska R. **Rocz Panstw Zakl Hig** 1981; 32(5-6):413-8 (Eng. Abstr.) **(Pol)**

[Food value of vegetable and melon crops grown using different amounts of mineral fertilizers] Baratov KB, et al. **Gig Sanit** 1982 Mar;(3):85-6 **(Rus)**

[Comparative evaluation of the vitamin composition of unicellular algae and higher plants grown under artificial conditions] Baianova IuI, et al. **Prikl Biokhim Mikrobiol** 1981 May-Jun;17(3):400-7 (Eng. Abstr.) **(Rus)**

[Nitrate content in vegetables] Andriushchenko VK. **Vopr Pitan** 1981 Sep-Oct;(5):57-9 (Eng. Abstr.) **(Rus)**

[Nutritive value of carrots grown using the herbicide prometryne] Dubenetskaia MM, et al. **Vopr Pitan** 1981 Nov-Dec;(6):50-1 (Eng. Abstr.) **(Rus)**

[Comparative studies of the contamination of vegetable food products by carcinogenic polycyclic aromatic hydrocarbons in the USSR and East Germany] Shabad LM, et al. **Vopr Pitan** 1982 Jan-Feb;(1):56-9 (Eng. Abstr.) **(Rus)**

[Establishment of differential 'waiting' times in treating fruit and vegetable crops with organophosphate pesticides] Shpirt MB, et al. **Vopr Pitan** 1982 Jan-Feb;(1):70-2 **(Rus)**

[New contributions to the study of Allium cepa L.] Carretero ME, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):193-6 **(Spa)**

[Nutritive value of the malanga tuber (Colocasia esculenta) for swine and chickens] Murillo B, et al. **Arch Latinoam Nutr** 1981 Mar;31(1):27-43 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Mutagenicity testing of irradiated onions in mice. Goud SN, et al. **Int J Radiat Biol** 1982 Mar;41(3):347-9

Failure of irradiated onion to induce sex-linked recessive lethal mutations in Drosophila melanogaster. Mittler S, et al. **Mutat Res** 1982 Apr;104(1-3):113-5

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes. Ishidate M Jr, et al. **Radioisotopes** 1981 Dec;30(12):662-8

Fricke dosimetry in low dose range for sprout inhibition. Kume T, et al. **Radioisotopes** 1981 Oct;30(10):560-2

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes--dominant lethal test in mice. Shibuya T, et al. **Radioisotopes** 1982 Feb;31(2):74-7

Mutagenicity studies on alcohol extracts from gamma-irradiated potatoes--preparation of samples and their chemical analysis. Shinozaki Y, et al. **Radioisotopes** 1981 Dec;30(12):655-61

STANDARDS

[Microbiological quality of frozen vegetable foods. II. Indicator microorganisms] Conejo Díaz JA. **Rev Sanid Hig Publica (Madr)** 1979 Jul-Aug; 53(7-8):1003-30 (Eng. Abstr.) **(Spa)**

[Microbiological quality of frozen vegetable foods. I. Pathogenic microorganisms] Ubeda Ruiz MA. **Rev Sanid Hig Publica (Madr)** 1979 May-Jun; 53(5-6):671-97 (Eng. Abstr.) **(Spa)**

TOXICITY

Safety evaluation of vegetables cultured on municipal sewage sludge-amended soil. Boyd JN, et al. **Arch Environ Contam Toxicol** 1982;11(4):399-405

VEGETARIANISM

The effect of a virtually cholesterol-free, high-linoleic-acid vegetarian diet on serum lipoproteins of children with familial hypercholesterolemia (type II-A). Fernandes J, et al. **Acta Paediatr Scand** 1981 Sep;70(5):677-82

Nutrient intake and health status of vegans. Chemical analyses of diets using the duplicate portion sampling technique. Abdulla M, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2464-77

Content of trans-octadecenoic acid in vegetarian and normal diets in Sweden, analyzed by the duplicate portion technique. Akesson B, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2517-20

Nutritional status of vegetarian children. Dwyer JT, et al. **Am J Clin Nutr** 1982 Feb;35(2):204-16

The child-adolescent blood pressure study: I. Distribution of blood pressure levels in Seventh-Day-Adventist (SDA) and non-SDA children. Harris RD, et al. **Am J Public Health** 1981 Dec;71(12):1342-9

A model for evaluating cariogenicity applied to vegetarian diets. Tiegen VE, et al. **ASDC J Dent Child** 1981 Jul-Aug; 48(4):278-84

The concentration of cholesterol in serum and in various serum lipoproteins in macrobiotic, vegetarian and non-vegetarian men and boys. Knuiman JT, et al. **Atherosclerosis** 1982 May;43(1):71-82

A pediatric perspective on vegetarian nutrition. Christoffel K. **Clin Pediatr (Phila)** 1981 Oct;20(10):632-43

Dietary intakes of urban and rural pregnant, lactating and non-pregnant, non-lactating vegetarian women of Varanasi. Bhatia BD, et al. **Indian J Med Res** 1981 Nov; 74:680-7

Hypocalcaemia in a mother and rickets in an infant associated with a Zen macrobiotic diet. Salmon P, et al. **Ir J Med Sci** 1981 Jun;150(6):192-3

Professional knowledge and attitudes on vegetarianism: implications for practice. Strobl CM, et al. **J Am Diet Assoc** 1981 Nov;79(5):568-74

Plasma cholesterol and blood pressure in vegetarians. Burr ML, et al. **J Hum Nutr** 1981 Dec;35(6):437-41

An anthropometric and dietary assessment of the nutritional status of vegan preschool children. Sanders TA, et al. **J Hum Nutr** 1981 Oct;35(5):349-57

Effect of meat pm BP [letter] Burstyn P. **JAMA** 1982 Jul 2;248(1):29-30

Diet and reproductive hormones: a study of vegetarian and nonvegetarian postmenopausal women. Armstrong BK, et al. **JNCI** 1981 Oct;67(4):761-7

Muscle strength and pre-osteomalacia in vegetarian Asian women [letter] Isenberg DA, et al. **Lancet** 1982 Jan 2; 1(8262):55

Creutzfeldt-Jakob disease in a lifelong vegetarian [letter] Matthews WB, et al. **Lancet** 1981 Oct 24;2(8252):937

Low density and high density lipoprotein kinetics and sterol balance in vegetarians. Nestel PJ, et al. **Metabolism** 1981 Oct;30(10):941-5

Diet and hormone levels in Seventh-Day Adventist teenage girls. Gray GE, et al. **Prev Med** 1982 Jan;11(1):103-7

Trace element intake by Asians during pregnancy. Abraham R. **Proc Nutr Soc** 1982 Jun;41(2):261-5

Nutritional deficiencies among ethnic minorities in the United Kingdom. Robertson I, et al. **Proc Nutr Soc** 1982 Jun; 41(2):243-56 (49 ref.)

Vitamin B12 status on a vegetarian diet. A clinical review. Immerman AM. **World Rev Nutr Diet** 1981;37:38-54 (109 ref.)

[Complication of a vegetarian diet in a breast-fed girl (author's transl)] Lacroix J, et al. **Arch Fr Pediatr** 1981 Apr;38(4):233-8 (Eng. Abstr.) **(Fre)**

[Plasma lipids in vegetarians in Israel] Lavy A, et al. **Harefuah** 1982 Feb 15;102(4):142-4 (Eng. Abstr.) **(Heb)**

[Deficiency symptoms in children kept on a strict vegetarian diet] Arvidsson J, et al. **Lakartidningen** 1981 Aug 19; 78(34):2832-2 **(Swe)**

VEGETATIVE STATE see COMA

VEHICLES

The use of chitin and chitosan as drug carriers. Miyazaki S, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):3067-9

Treatment of mild and moderate acne vulgaris with salicylic acid in an alcohol-detergent vehicle. Shalita AR. **Cutis** 1981 Nov;28(5):556-8, 561

The validity of rabbits for investigations on ophthalmic vehicles: a comparison of four different vehicles containing tropicamide in humans and rabbits. Saettone MF, et al. **Pharm Acta Helv** 1982;57(2):47-55

Fast hardening aminoacid-solution as potential carrier of chemotherapeutic agents in the treatment of chronic osteomyelitis. Schultheis KH, et al. **Unfallchirurgie** 1981 Dec;7(6):324-33 **(Eng, Ger)**

ADMINISTRATION & DOSAGE

Treatment of artificially induced storage disease with lysosomotropic microparticles. Edman P, et al. **Life Sci** 1982 Jan 25;30(4):327-30

ADVERSE EFFECTS

Adverse cardiovascular effects of oxytetracycline preparations and vehicles in intact awake calves. Gross DR, et al. **Am J Vet Res** 1981 Aug;42(8):1371-7

Dental disease in chronically sick children. Roberts GJ, et al. **ASDC J Dent Child** 1981 Sep-Oct;48(5):346-51

Dental caries potential of liquid medications. Feigal RJ, et al. **Pediatrics** 1981 Sep;68(3):416-9

PHARMACODYNAMICS

Inhibition of arachidonic acid oxidation in vitro by vehicle components. Penneys NS. **Acta Derm Venereol (Stockh)** 1982;62(1):59-61

The effects of nasal drops on the ciliary beat frequency of chicken embryo tracheas. van de Donk HJ, et al. **Rhinology** 1981 Dec;19(4):215-30

[Cell survival of the Brucella abortus strain 19 vaccine during the lyophilization process according to the vehicle used] García-Carrillo C. **Rev Argent Microbiol** 1981 Jan-Apr; 13(1):31-4 (Eng. Abstr.) **(Spa)**

STANDARDS

The pharmacokinetics of antibiotics vehicled by soft contact lenses: an experimental approach. Cerulli L, et al. **Contact Intraocular Lens Med J** 1981 Jan-Mar;7(1):39-49

VEILLONELLA

Complement-dependent histamine release from rat peritoneal mast cells, induced by lipopolysaccharides from Bacteroides oralis, Fusobacterium nucleatum and Veillonella parvula. Nygren H, et al. **J Oral Pathol** 1981 Apr;10(2):87-94

ANALYSIS

Effects of growth temperature on fatty acid and alk-1-enyl group compositions of Veillonella parvula and Megasphaera elsdenii phospholipids. Johnston NC, et al. **J Bacteriol** 1982 Feb;149(2):567-75

ENZYMOLOGY

Properties of oxaloacetate decarboxylase from Veillonella parvula. Ng SK, et al. **J Bacteriol** 1982 Jun;150(3):1252-8

METABOLISM

The lactate metabolism of the oral bacterium Veillonella from human saliva. Distler W, et al. **Arch Oral Biol** 1981; 26(8):657-61

Lactate metabolism by human dental plaque and Veillonella under aerobic and anaerobic conditions. Hoshino E, et al. **Arch Oral Biol** 1981;26(1):17-22

2-phosphoglycerate phosphatase and serine biosynthesis in Veillonella alcalescens. Pestka JJ, et al. **Can J Microbiol** 1981 Aug;27(8):808-14

PHYSIOLOGY

Role of interbacterial adherence in colonization of the oral cavities of gnotobiotic rats infected with Streptococcus mutans and Veillonella alcalescens. McBride BC, et al. **Infect Immun** 1981 Aug;33(2):467–72

VEILLONELLACEAE

ANALYSIS

A 13C nuclear–magnetic–resonance study on free flavins and Megasphaera elsdenii and Azotobacter vinelandii flavodoxin. 13C–enriched flavins as probes for the study of flavoprotein active sites. van Schagen CG, et al. **Eur J Biochem** 1981 Nov;120(1):33–9

Effects of growth temperature on fatty acid and alk–1–enyl group compositions of Veillonella parvula and Megasphaera elsdenii phospholipids. Johnston NC, et al. **J Bacteriol** 1982 Feb;149(2):567–75

ENZYMOLOGY

Stopped–flow kinetic studies on the D–lactate dehydrogenase from megasphera elsdenii. Morpeth FF, et al. **Biochemistry** 1982 Mar 16;21(6):1313–7

Steady–state kinetic studies on D–lactate dehydrogenase from Megasphera elsdenii. Morpeth FF, et al. **Biochemistry** 1982 Mar 16;21(6):1307–12

Phosphoenolpyruvate–dependent sugar phosphotransferase activity in Megasphaera elsdenii. Dills SS, et al. **Can J Microbiol** 1981 Sep;27(9):949–52

VEINS

Complications after large vein catheterization. Bacsa S, et al. **Acta Chir Acad Sci Hung** 1980;21(2):119–28

The effect of temporary venous occlusion on trace mineral concentrations in plasma. Juswigg T, et al. **Am J Clin Nutr** 1982 Aug;36(2):354–8

The relationship of mixed venous oxygenation to oxygen transport: with special reference to adaptations to high altitude and pulmonary diseases. Tenney SM, et al. **Am Rev Respir Dis** 1982 Apr;125(4):474–9

Effects of venous stasis on serum concentrations of thyroid hormones and their binding proteins. Hopton MR, et al. **Ann Clin Biochem** 1982 Mar;19(Pt 2):134–5

The effect of levan on the migration of different white blood cells across blood–vessel walls. Hiss J, et al. **Br J Exp Pathol** 1981 Oct;62(5):437–9

A technique for insertion of two intravascular catheters via a single skin puncture. Skowronski GA, et al. **Crit Care Med** 1982 Jun;10(6):404–6

Spinal arteriovenous malformations in an infant: unusual symptomology and pathology. Binder B, et al. **Dev Med Child Neurol** 1982 Jun;24(3):380–5

Single barbed stainless steel coils for venous occlusion: a simple but useful modification. Castaneda–Zuniga WR, et al. **Invest Radiol** 1982 Mar–Apr;17(2):186–8

The role of vertebral veins in the dissemination of prostatic carcinoma. Dodds PR, et al. **J Urol** 1981 Dec;126(6):753–5

Balloon occlusion of the internal spermatic vein for the treatment of varicoceles. Walsh PC, et al. **JAMA** 1981 Oct 9;246(15):1701–2

Finding veins [letter] Herman TA. **N Engl J Med** 1981 Nov 19;305(21):1284

Percutaneous insertion of silastic central venous catheters in newborn infants. Dolcourt JL, et al. **Pediatrics** 1982 Sep; 70(3):484–6

Cardiac tamponade from central venous catheterization: two cases in premature infants with survival. Opitz JC, et al. **Pediatrics** 1982 Jul;70(1):139–40

A useful intravenous access route. Zollinger RW 2d. **Surg Gynecol Obstet** 1982 May;154(5):725–6

Veno–occlusive disease of the liver in patients receiving immunosuppressive therapy. Weitz H, et al. **Virchows Arch [Pathol Anat]** 1982;395(3):245–56

[Global view of catheter embolism—one of the complications of catheterization of the central venous system (author's transl)] Fanta J Jr. **Sb Lek** 1982 Jan;84(1):15–24 (Eng. Abstr.) **(Cze)**

[5 atrial or caval perforations by a central venous catheter] Guivarc'h M, et al. **Chirurgie** 1981;107(3):256–7 **(Fre)**

[Peripheral nerve injury during venous puncture (author's transl)] Gastaut JL, et al. **Nouv Presse Med** 1982 Feb 13; 11(7):513–5 (Eng. Abstr.) **(Fre)**

[European colloquium on phlebology. Rome, 2–4 October 1980] **Phlebologie** 1981 Jul–Sep;34(3):343–88 **(Fre)**

[Phlebology forum. 24 October 1980] **Phlebologie** 1981 Apr–Jun;34(2):245–62 **(Fre)**

[The development of phlebology in the last 30 years] Van der Molen HR. **Phlebologie** 1981 Jul–Sep;34(3):313–32 (Eng. Abstr.) **(Fre)**

[Oscilloscopic method for identification of the site of a central venous catheter] Mastroianni A. **Minerva Anestesiol** 1981 Dec;47(12):831–40 (Eng. Abstr.) **(Ita)**

[Prolonged catheterization of the central venous system through the basilic or cephalic vein] Abo–Rahmy E, et al. **Minerva Cardioangiol** 1981 Nov;29(11):631–4 (Eng. Abstr.) **(Ita)**

[Differentiated approach to central venous catheterization. Indications, technic and complications] Marni A, et al. **Minerva Chir** 1981 Sep 15;36(17):1101–10 **(Ita)**

[The spread of metastases through Batson's circle] Zeccolini R, et al. **Radiol Med (Torino)** 1981 Apr;67(4):257–8 **(Ita)**

[Complications of long–term catheterization of the veins] Margulis MS, et al. **Anesteziol Reanimatol** 1981 Sep–Oct; (5):69–71 (Eng. Abstr.) **(Rus)**

[Electrometric determination of the position of venous catheters] Marochkov AV, et al. **Anesteziol Reanimatol** 1982 Mar–Apr;(2):54–6 **(Rus)**

[Rheoencephalography and jugular rheophlebography in diagnosis of disorders of cerebral venous circulation] Vesel'skiĭ ISh, et al. **Klin Med (Mosk)** 1981 Sep;59(9):33–7 **(Rus)**

[Role of catheterization of testicular veins in the diagnosis of cryptorchism] Perepanova TS, et al. **Urol Nefrol (Mosk)** 1982 Jan–Feb;(1):13–7 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Computed tomographic demonstration of mediastinal venous anomalies. Webb WR, et al. **AJR** 1982 Jul;139(1):157–61

A rare cause of cyanosis and polycythemia: anomalous systemic venous connections without associated intracardiac malformations. The blue milkman story. Brochard P, et al. **Eur Heart J** 1981 Jun;2(3):227–33

Hemangiomas and vascular malformations in infants and children: a classification based on endothelial characteristics. Mulliken JB, et al. **Plast Reconstr Surg** 1982 Mar;69(3):412–22

ANALYSIS

Histamine receptors of the microvascular endothelium revealed in situ with a histamine–ferritin conjugate: characteristic high–affinity binding sites in venules. Heltianu C, et al. **J Cell Biol** 1982 May;93(2):357–64

ANATOMY & HISTOLOGY

Methods of study of aqueous veins. (Fluorescein study and fluorescence photography). Batra JD, et al. **Indian J Ophthalmol** 1981 Dec;29(4):459–62

Data regarding the typology and functional significance of the venous valves. Maros T. **Morphol Embryol (Bucur)** 1981 Jul–Sep;27(3):195–214 (73 ref.)

[Anatomy of the valve of vena facialis and vena angularis (author's transl)] Pi X. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):193–4 **(Chi)**

[On the origin, course and influx–vessels of the V. basalis and the V. cerebri interna (author's transl)] Lang J, et al. **Anat Anz** 1981;150(4):385–423 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Secretory phenotypes of endothelial cells in culture: comparison of aortic, venous, capillary, and corneal endothelium. Sage H, et al. **Arteriosclerosis** 1981 Nov–Dec; 1(6):427–42

DRUG EFFECTS

Arterial and venous dilation by nitroprusside and nitroglycerin—is there a difference? Gerson JI, et al. **Anesth Analg (Cleve)** 1982 Mar;61(3):256–60

Resistance of normal endothelium to damage by thrombin. Thomas DP, et al. **Br J Haematol** 1982 May;51(1):25–35

Comparative studies on the effects of tolmesoxide (Rx71107), a tolmesoxide metabolite (Rx71112) and nifedipine in isolated blood vessels. Mikkelsen E, et al. **Br J Pharmacol** 1981 Aug;73(4):799–805

Tissue hypoxia and increased physiological tissue shunt caused by beta–adrenergic stimulation. Yonekawa H, et al. **Eur Surg Res** 1981;13(5):325–8

Pharmacology of venules: some current concepts and clinical potential. Altura BM. **J Cardiovasc Pharmacol** 1981 Nov–Dec;3(6):1413–28 (148 ref.)

Influence of certain vasoactive substances on DNA synthesis in human endothelial cultures. Wright HP, et al. **Paroi Arterielle** 1981;7(1):7–12

Differential systemic arterial and venous actions and consequent cardiac effects of vasodilator drugs. Miller RR, et al. **Prog Cardiovasc Dis** 1982 Mar–Apr;24(5):353–74 (20 ref.)

[Evaluation of venotropic drugs by venous gas plethysmography. A study of procyanidolic oligomers (author's transl)] Royer RJ, et al. **Sem Hop Paris** 1981 Dec 18–25;57(47–48):2009–13 (Eng. Abstr.) **(Fre)**

[Effect of a drug combination on venous capacity] Rudofsky G, et al. **Fortschr Med** 1982 Jul 1;100(25):1217–20 (Eng. Abstr.) **(Ger)**

[Diazepam (Diazemuls Vitrum) and vein damages (letter)] Drøsdal S, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20; 101(26):1477–8 **(Nor)**

ENZYMOLOGY

Cholesteryl ester synthesis in canine vein and artery. Hagen PO. **Artery** 1981;9(4):275–84

GROWTH & DEVELOPMENT

A continuum approach to blood vessel growth: axisymmetric elastic structures. Waxman AM. **J Theor Biol** 1981 Jul 21; 91(2):273–301

INJURIES

Vascular trauma in a rural population. Koivunen D, et al. **Surgery** 1982 Jun;91(6):723–7

Abdominal venous injuries. Mattox KL. **Surgery** 1982 May; 91(5):497–501

Principles and indications for primary venous repair. Rich NM. **Surgery** 1982 May;91(5):492–6

[The surgical treatment of venous injuries] Rendl KH, et al. **Vasa** 1981;10(4):329–33 (Eng. Abstr.) **(Ger)**

[Effect of prostaglandins E1, E2, F2 alpha and prostacyclin on the process of local thrombus formation following mic ovessel wall damage by lasers] Chernukh AM, et al. **Biul Eksp Biol Med** 1981 Dec;92(12):677–80 (Eng. Abstr.) **(Rus)**

INNERVATION

[Histochemical study of the innervation of the gastric veins in the cat] Katsuk LN. **Arkh Anat Gistol Embriol** 1982 Jan; 82(1):45–8 (Eng. Abstr.) **(Rus)**

[Adrenergic innervation of venous and lymphatic microvessels] Khaĭsman EB. **Biull Eksp Biol Med** 1982 Jan; 93(1):101–3 (Eng. Abstr.) **(Rus)**

METABOLISM

Biochemical abnormalities of venous plasma membrane fraction isolated from spontaneously hypertensive rats. Kwan CY, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):321–4

Prostacyclin production by arterialized autogenous venous grafts in dogs. Eldor A, et al. **Prostaglandins** 1981 Sep; 22(3):485–98

The effect of cod liver oil and corn oil on platelets and vessel wall in man. Brox JH, et al. **Thromb Haemost** 1981 Oct; 46(3):604–11

Normal prostacyclin–like activity in thrombotic thrombocytopenic purpura [letter] Pini M, et al. **Thromb Haemost** 1981 Aug 28;46(2):571

PATHOLOGY

Small vessel alterations in the testes of infertile men with varicocele. Andres TL, et al. **Am J Clin Pathol** 1981 Oct; 76(4):378–84

Evidence for circulating factors as a cause of venous hypertrophy in spontaneously hypertensive rats. Greenberg S, et al. **Am J Physiol** 1981 Sep;241(3):H421–30

Intimal hyperplasia in autogenous veins used for arterial replacement. Gunstensen J, et al. **Can J Surg** 1982 Mar; 25(2):158–60, 165

A diagnostic problem: young man with cardiomegaly and distended neck veins. Cashion WR Jr, et al. **Heart Lung** 1982 Sep–Oct;11(5):485–9

Heat–induced contraction of blood vessels. Gorisch W, et al. **Lasers Surg Med** 1982;2(1):1–13

[Arguments for and description of the Doppler venous examination (author's transl)] Dany F, et al. **J Mal Vasc** 1981;6(1):39–44 (Eng. Abstr.) **(Fre)**

[Sociomedical aspects of venous diseases] Reale L. **Phlebologie** 1981 Jul–Sep;34(3):345–64 (Eng. Abstr.) **(Fre)**

[Contribution of the Doppler examination to the venous pathology of the lower extremities] Sentou Y, et al. **Phlebologie** 1981 Apr–Jun;34(2):225–31 (Eng. Abstr.) **(Fre)**

[Comparative phlebographic and phlebodynamometric studies on the severity of postthrombotic syndrome] Müller JH, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):288–90 **(Ger)**

PHYSIOLOGY

Role of the veins in the circulation. Vanhoutte PM. **Acta Cardiol (Brux)** 1981;36(4):239–48 (18 ref.)

Interstitial fluid volume, colloid osmotic and hydrostatic pressures in rat skeletal muscle. Effect of venous stasis and muscle activity. Reed RK. **Acta Physiol Scand** 1981 May; 112(1):7–17

Response of large hindlimb veins of dog to aortic arch chemoreceptor stimulation. Britton SL, et al. **Am J Physiol** 1982 Jun;242(6):H1050–5

Sympathetic supraspinal control of venous membrane potential in spontaneous hypertension in vivo. Willems WJ, et al. **Am J Physiol** 1982 Sep;243(3):C101–6

Venous return after cross–clamping [letter] Theman T, et al. **Ann Thorac Surg** 1982 Apr;33(4):418–19

Epicardial coronary venous pressure. Armour JA, et al. **Can J Physiol Pharmacol** 1981 Dec;59(12):1250–9

Effect of elevated C1–esterase inhibitor concentrations on white blood cell–endothelium interactions: a potential mechanism for steroid protection in contrast material reactions. Funk WG, et al. **Invest Radiol** 1982 Mar–Apr; 17(2):189–92

Induced venous pooling and cardiorespiratory responses to exercise after bed rest. Convertino VA, et al. **J Appl Physiol** 1982 May;52(5):1343–8

The variance of transit times of indicators through a vascular bed. Bass L. **J Theor Biol** 1982 Mar 7;95(1):81–7

Influence of venous congestion on blood–lymph transport of fluid and large molecules in the heat–injured dog's paw. Renkin EM, et al. **Lymphology** 1981 Sep;14(3):113–7

Respiratory regulation of splanchnic and systemic venous return in normal subjects and in patients with hepatic cirrhosis. Moreno AH, et al. **Surg Gynecol Obstet** 1982

Feb;154(2):257–67
[Regulation of the contraction condition of the venous system of the legs] van Welsum RA. **Ned Tijdschr Geneeskd** 1982 Feb 6;126(6):250–4 **(Dut)**
[Hemodynamics of the peripheral venous system] Tiedt N. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):736–45 **(Ger)**
[Analysis on transient process of circulatory equilibrium and its application to venous compliance measurement (author's transl)] Shimazu H, et al. **Iyodenshi To Seitai Kogaku** 1981 Jun;19(3):216–23 (Eng. Abstr.) **(Jpn)**
[Musculo-venous pump of the lower extremities (review of the literature)] Konstantinova GD, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):105–9 (73 ref.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral arterio-venous difference for hypoxanthine and lactate during graded asphyxia in the fetal lamb. Thiringer K, et al. **Brain Res** 1982 May 6;239(1):107–17
Impairment of venous return in hemorrhagic shock. Holcroft JW. **Surg Clin North Am** 1982 Feb;62(1):17–29
Technique of venous impedance plethysmography for quantification of venous reflux. Lee BY, et al. **Surg Gynecol Obstet** 1982 Jan;154(1):49–52
Noninvasive evaluation of venous function in chronic venous disease. Mason R, et al. **Surgery** 1982 Mar;91(3):312–7
Comparison between the plasminogen activator activity in walls of superficial, muscle and deep veins. Ljungnér H, et al. **Thromb Res** 1981 May 1;22(3):295–302
[Contribution of Doppler investigations of the deep venous axes to the prevention and diagnosis of thrombo-embolic disease (author's transl)] Dany F, et al. **J Chir (Paris)** 1982 Feb;119(2):123–33 (22 ref.) (Eng. Abstr.) **(Fre)**
[Physiopathology of superficial venous circulation in athletes] Venerando A, et al. **Phlebologie** 1981 Apr–Jun;34(2):289–98 (Eng. Abstr.) **(Fre)**
[Method of studying the venous system in patients with venous diseases of the lower limbs] Dukhieva LI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):85–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Thrombosis detection: fibrinogen counting and radionuclide venography. DeNardo GL, et al. **Clin Nucl Med** 1981 Oct; 6(10S):P37–45
Radionuclide venography using continuous Kr-18 m infusion: preliminary note. Ham HR, et al. **Clin Nucl Med** 1981 Oct;6(10):461–2
[Estimation for vein thrombosis using RI venography and 125I-labeled fibrinogen uptake test (author's transl)] Iwasaki N, et al. **Kaku Igaku** 1981 May;18(4):547–54 **(Jpn)**
[Radioisotope phlebography (author's transl)] Borrell Merlin MP, et al. **Med Clin (Barc)** 1982 May 16;78(10):416–20 (Eng. Abstr.) **(Spa)**

SURGERY

An inexpensive, versatile vein holder. Johansen K. **Am J Surg** 1982 Aug;144(2):283–4
Basilic vein transposition. Patrick W, et al. **Am J Surg** 1982 Feb;143(2):254
Arteriovenous vertebral fistulae: cure by combination of operation and detachable intravascular balloon. Berguer R, et al. **Ann Surg** 1982 Jul;196(1):65–8
Cardiac catheterization in infants through a venous cutdown sheath. Henry GW, et al. **Cathet Cardiovasc Diagn** 1981; 7(2):209–12
Treatment of varicoceles [letter] Price RA. **JAMA** 1982 Feb 19;247(7):979
New microsurgical technique of lymphatico-venous anastomosis for the treatment of lymphedema. Degni M. **Lymphology** 1981 Jun;14(2):61–3
Lymphovenous anastomosis in filarial lymphedema. Jamal S. **Lymphology** 1981 Jun;14(2):64–8
Endovascular diathermic vessel occlusion. Cragg AH, et al. **Radiology** 1982 Jul;144(2):303–8
Effects of isovolumetric venesection on blood viscosity, on red cell deformability, and on arterial flow velocity in chronic respiratory failure with secondary polycythemia. Marazzini L, et al. **Respiration** 1981;42(3):168–74
Blood flow and scanning electron microscope study on venous microvascular anastomoses with Nakayamas apparatus and manual suture. Lidman D, et al. **Scand J Plast Reconstr Surg** 1981;15(2):97–101
Thromboelastographic evaluation of cut down-induced accelerated coagulation [letter] Spillert CR, et al. **Thromb Haemost** 1981 Aug 28;46(2):567
[Treatment of secondary lymphedema with lymphatico-venous anastomosis] Nieuborg L, et al. **Ned Tijdschr Geneeskd** 1981 Aug 15;125(33):1330–3 (Eng. Abstr.) **(Dut)**
[Venous ambulatory surgery] Cadéré T. **Phlebologie** 1982 Apr–Jun;35(2):627–9 **(Fre)**
[Primary surgical management of arteries and veins in the framework of replantation surgery] Brennwald J. **Z Unfallmed Berufskr** 1982;75(1):59–61 **(Ger)**
[Choice of method anesthesia in surgery on the veins of the lower extremities] Zuev NS, et al. **Vestn Khir** 1981 Aug; 127(8):84–8 **(Rus)**
[Surgical treatment of chronic post-thrombotic venous insufficiency. Personal experience] Navarini EA, et al. **Angiologia** 1981 Sep-Oct;33(5):283–90 (Eng. Abstr.) **(Spa)**

TRANSPLANTATION

Percutaneous puncture of venous bypass grafts for transluminal angioplasty. Zajko AB, et al. **AJR** 1981 Oct; 137(4):799–802
Surgical treatment of postphlebitic syndrome with vein valve transplant. Taheri SA, et al. **Am J Surg** 1982 Aug; 144(2):221–4
Sequential grafts for limb salvage in the presence of widespread occlusive vascular disease. A review of twenty patients. Rainey JB, et al. **Ann R Coll Surg Engl** 1982 Jul; 64(4):247–9
Deep veins of the leg as femoropopliteal bypass grafts. Schulman ML, et al. **Arch Surg** 1981 Sep;116(9):1141–5
Content and distribution of collagen in venous and polyester aortal grafts. Głowiński S, et al. **Atherosclerosis** 1982 Jan; 41(1):125–31
An onlay vein patch technique for the repair of small vessels. Jones BM, et al. **Br J Plast Surg** 1981 Oct;34(4):454–7
Institutional variations influencing results: arterial versus venous grafts. Ochsner JL. **Circulation** 1982 Jun;65(7 Pt 2 Suppl):81–5
Ultrastructural study of patch-graft re-endothelialization. Cuevas P, et al. **Experientia** 1981 Jul 15;37(7):775–7
Distal bypass graft for limb salvage. Brown OW, et al. **J Cardiovasc Surg (Torino)** 1982 Jul-Aug;23(4):314–7
The use of by-pass grafts for obstructive lesions of tibial and peroneal arteries. Danza R. **J Cardiovasc Surg (Torino)** 1982 Jan-Feb;23(1):59–64
Conservation of veins with preservation of viable endothelium. Gottlob R, et al. **J Cardiovasc Surg (Torino)** 1982 Mar-Apr;23(2):109–16
Arterial reconstruction for distal disease of the lower extremities by the in situ vein graft technique. Gruss JD, et al. **J Cardiovasc Surg (Torino)** 1982 May-Jun;23(3):231–4
Access operation for chemotherapy and dialysis using freeze-preserved vein allografts. Siegal B. **J Cardiovasc Surg (Torino)** 1981 Nov-Dec;22(6):543–5
The effects of preservation on microvascular vein grafts in rats. Razaboni RM, et al. **J Microsurg** 1981 Winter; 3(2):65–71
Autogenous venous valve transplantation in the dog. Bush HL Jr, et al. **J Surg Res** 1982 Apr;32(4):313–21
Endothelial integrity after venous cryopreservation. Sachs SM, et al. **J Surg Res** 1982 Mar;32(3):218–27
Drug trials in prevention of occlusion of aorta—coronary artery vein grafts. Chesebro JH, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):90–3
An experience using spiral vein graft as arterial substitute. Koga Y, et al. **Jpn J Surg** 1981;11(4):305–9
Comparison of expanded polytetrafluoroethylene microvascular grafts to autogenous vein grafts. Ganske JG, et al. **Plast Reconstr Surg** 1982 Aug;70(2):193–201
Current status of vascular grafts. Callow AD. **Surg Clin North Am** 1982 Jun;62(3):501–13
Venous bypass surgery. Dale WA. **Surg Clin North Am** 1982 Jun;62(3):391–8
Experience with popliteal-infrapopliteal bypass grafting. Feldman AJ, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):238–40
An improved technique for preservation of endothelial morphology in vein grafts. LoGerfo FW, et al. **Surgery** 1981 Dec;90(6):1015–24
Vein valve transplant. Taheri SA, et al. **Surgery** 1982 Jan; 91(1):28–33
The effect of sequential versus single vein aortocoronary bypass surgery on resting left ventricular function. Meurala H, et al. **Thorac Cardiovasc Surg** 1982 Apr;30(2):99–102
[Role of venous grafts in the femoropopliteal region] Kořístek V, et al. **Rozhl Chir** 1982 Apr;61(4):267–74 (Eng. Abstr.) **(Cze)**
[Otorhinolaryngology and experimental microsurgery : arteriovenous anastomosis in the rat (apropos of 150 cases)] Dubin J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov-Dec;102(11-12):511–7 (Eng. Abstr.) **(Fre)**
[Experimental formation of tendon sheaths from a vein] Biró V. **Handchirurgie** 1980;12(3–4):193–5 (Eng. Abstr.) **(Ger)**
[Autologous vein transplants for digital revascularization after hand injuries] Schlenker JD, et al. **Handchirurgie** 1981; 13(1–2):131–7 (Eng. Abstr.) **(Ger)**
[Revascularization of the hand by means of vein grafts and the use of vascular prostheses in microsurgery (author's transl)] Brennwald J, et al. **Ther Umsch** 1981 Dec; 38(12):1197–200 (Eng. Abstr.) **(Ger)**
[Vein transplantation in RT1-different strain combinations. Privileged sites in transplantations in a low-pressure system?] Engemann R, et al. **Vasa** 1981;10(3):211–7 (Eng. Abstr.) **(Ger)**
[Arterial vascular replacement with homograft veins in extreme situations] Largiadèr J, et al. **Vasa** 1981; 10(3):218–23 (Eng. Abstr.) **(Ger)**
[Mechanical stability of vascular grafts for chronic hemodialysis, preserved with methanal or peroxyethanic acid] Wenzel KP. **Z Urol Nephrol** 1982 Mar;75(3):167–70 (Eng. Abstr.) **(Ger)**
[Freeze-preserved vein allograft for angio-access in dialysis and chemotherapy] Siegal B. **Harefuah** 1981 Oct; 101(7–8):171–2 (Eng. Abstr.) **(Heb)**
[Usefulness of allogenic venous grafts in the surgical treatment of atherogenic obliteration of peripheral arteries] Szumiłowicz G. **Pol Tyg Lek** 1981 May 18;36(20):727–30 **(Pol)**
[Comparative evaluation of arteriolasty with allogeneic veins] Kovalenko PP, et al. **Klin Khir** 1981 Jul;(7):49–50 **(Rus)**
[Preparing a venous graft for femoropopliteal anastomosis] Celec J, et al. **Rozhl Chir** 1982 Jun;61(6):422–4 (Eng. Abstr.) **(Slo)**

ULTRASTRUCTURE

Perivenular fibrosis in alcoholic liver injury: ultrastructure and histologic progression. Nakano M, et al. **Gastroenterology** 1982 Oct;83(4):777–85
'Open' junctions in the venular plexuses of the bronchial microcirculation. Bartels H. **J Submicrosc Cytol** 1982 Jan; 14(1):93–7
[Ultrastructure of veins in the Rana temporaria] Antonova EA, et al. **Bjull Eksp Biol Med** 1982 Mar;93(3):13–6 **(Rus)**

VELOPHARYNGEAL INSUFFICIENCY

COMPLICATIONS

[Labio-palatal cleft and hearing disorders. Study of 72 cases] Ermens F, et al. **Acta Otorhinolaryngol Belg** 1981; 35(3–4):291–302 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Indications of congenital palatal incompetence before diagnosis. Morris HL, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):115–8
The feasibility of nasal pharyngoscopy using the 70 degrees Storz-Hopkins nasopharyngoscope. Gilbert TS, et al. **Br J Plast Surg** 1982 Jan;35(1):14–8
Some characteristics of endoscopic and radiological systems used in elaboration of the diagnosis of velopharyngeal incompetence. Pigott RW, et al. **Br J Plast Surg** 1982 Jan; 35(1):19–32
Comparative reliability of nasal pharyngoscopy and videofluorography in the assessment of velopharyngeal incompetence. Sinclair SW, et al. **Br J Plast Surg** 1982 Apr;35(2):113–7

ETIOLOGY

Velopharyngeal insufficiency in neurofibromatosis. Pollack MA, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep; 3(3):257–62

FAMILIAL & GENETIC

Dominant inheritance of velopharyngeal incompetence. Andres R, et al. **Clin Genet** 1981 Jun;19(6):443–7

REHABILITATION

The design of prostheses used in the treatment of velopharyngeal insufficiency. Walter JD. **Br Dent J** 1981 Nov 17;151(10):338–42

SURGERY

The results of 100 operations for velopharyngeal incompetence—selected on the findings of endoscopic and radiological examination. Albery EH, et al. **Br J Plast Surg** 1982 Apr;35(2):118–26
A long term study on treating velopharyngeal insufficiency by teflon injection. Furlow LT Jr, et al. **Cleft Palate J** 1982 Jan;19(1):47–56

VELUM PALATINUM see **PALATE, SOFT**

VENA CAVA, INFERIOR

Hypertension because of an arteriovenous fistula between the right renal artery and the inferior vena cava secondary to a gunshot wound: a case report. Bozer AY, et al. **Angiology** 1981 Sep;32(9):648–52
Greenfield vena caval filter experience: late results in 156 patients. Greenfield LJ, et al. **Arch Surg** 1981 Nov; 116(11):1451–6
Aortocaval fistula–a case report. Booshanam MV, et al. **Aust NZ J Surg** 1981 Oct;51(5):498–500
Sonographic diagnosis of calcified thrombus of the inferior vena cava. Cunat JS, et al. **Br J Radiol** 1982 Feb; 55(650):160–2
Ultrasound features of tumour thrombus in the IVC in retroperitoneal tumours. Pussell SJ, et al. **Br J Radiol** 1981 Oct;54(646):866–9
The Kimray-Greenfield vena cava filter: a case of unusual misplacement. Allen HA, et al. **Cardiovasc Intervent Radiol** 1982;5(2):82–4
Coilon removal. Castaneda-Zuniga WR, et al. **Cardiovasc Intervent Radiol** 1982;5(2):69–70
Leiomyosarcoma of the inferior vena cava: angiographic and computed tomography findings. Report of two cases and review of imaging criteria. Chauhan MA, et al. **Cardiovasc Intervent Radiol** 1981;4(3):209–14
A complication following Kimray-Greenfield filter insertion. Leiter B, et al. **Cardiovasc Intervent Radiol** 1981;4(3):215–7
Inferior vena cava obstruction complicating amebic liver abscess. Schmid BD, et al. **Dig Dis Sci** 1982 Jun;27(6):565–9
Prophylactic inferior vena cava clipping in colonic surgery. Kusminsky RE, et al. **Dis Colon Rectum** 1982 Mar; 25(2):108–12
Contrast echocardiography of the inferior vena cava. Gullace

G, et al. **G Ital Cardiol** 1981;11(12):2017–26

Membranous obstruction of the inferior vena cava and hepatocellular carcinoma [letter] Nakamura S. **Gastroenterology** 1982 Sep;83(3):728

Intracaval extension of pheochromocytoma ultrasonographic demonstration. Russinovich NA, et al. **J Can Assoc Radiol** 1982 Mar;33(1):53–5

Long term follow–up of prophylactic caval clipping. Abu Rahma AF, et al. **J Cardiovasc Surg (Torino)** 1981 Nov–Dec;22(6):550–4

Flow phenomenon mimicking thrombus: a possible pitfall of the pedal infusion technique. Barnes PA, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):304–6

Experimental aortocaval fistulae in rats. Mickle JP, et al. **J Microsurg** 1981 Jun;2(4):283–8

Re: IVC obstruction with hepatopetal shunting [letter] Park HM. **J Nucl Med** 1981 Oct;22(10):927

Distant metastasis of renal adenocarcinoma in patients with a tumor thrombus in the renal vein and/or vena cava. Saitoh H. **J Urol** 1982 Apr;127(4):652–3

Pseudo–obstruction of inferior vena cava from Valsalva's maneuver. Soo CS, et al. **J Urol** 1981 Oct;126(4):542–3

Inferior vena cava echocardiography. Meltzer RS, et al. **JCU** 1982 Feb;10(2):47–51

Surgical correction of the inferior vena cava obstruction with Budd–Chiari syndrome. Iwahashi K. **Nippon Geka Hokan** 1981 Jul 1;50(4):559–70

Takayasu's disease with aneurysm of right common iliac artery and iliocaval fistula in a young infant: case report and review of the literature. Gronemeyer PS, et al. **Pediatrics** 1982 May;69(5):626–31

Radionuclide venography in iliac and inferior vena caval obstruction. Dhekne RD, et al. **Radiology** 1982 Aug; 144(3):597–602

Evaluation of the inferior vena cava by sonography and venography in children with renal and hepatic tumors. Slovis TL, et al. **Radiology** 1981 Sep;140(3):767–72

Amoebic liver abscess, inferior vena–caval compression and the nephrotic syndrome. A case report. Huddle KR. **S Afr Med J** 1982 May 15;61(20):758–60

The evaluation of plasmin and streptokinase activator complexes in a new rabbit model of venous thrombosis. Dupe RJ, et al. **Thromb Haemost** 1981 Aug 28;46(2):528–34

The thrombolytic activity of streptokinase in the rabbit. English PD, et al. **Thromb Haemost** 1981 Aug 28; 46(2):535–7

[A temporary transcutaneous filter for the inferior vena cava for the prevention of pulmonary embolism] Beránek I, et al. **Rozhl Chir** 1981 Sep;60(9):644–8 (Eng. Abstr.) **(Cze)**

[Leiomyosarcoma of inferior vena cava. A new case. Surgical management (author's transl)] Baumer R, et al. **Ann Chir** 1981 Nov;35(9 Pt 1):713–9 (Eng. Abstr.) **(Fre)**

[Leiomyosarcoma of the inferior vena cava disclosed by a febrile syndrome (letter)] Flores Torre M, et al. **Nouv Presse Med** 1981 Nov 21;10(42):3493 **(Fre)**

[Spontaneous rupture into the supra–renal inferior vena cava of a large posterior unilocular hydatid cyst] Boumghar M. **Praxis** 1982 Jun 15;71(24):1022–6 (Eng. Abstr.) **(Ger)**

[Thrombosis of the vena cava inferior. Etiological and clinical contribution] Preuss EG, et al. **Z Gesamte Inn Med** 1981 Oct 1;36(19):712–6 (Eng. Abstr.) **(Ger)**

[Prevention of pulmonary embolism by vena cava filter of Mobin–Uddin (author's transl)] Milano S, et al. **G Ital Cardiol** 1981;11(12):2144–8 **(Ita)**

[Ultrasonic diagnosis of tumor thrombosis of the portal vein and inferior vena cava (author's transl)] Yoshida Y, et al. **Rinsho Hoshasen** 1982 Mar;27(3):335–42 (Eng. Abstr.) **(Jpn)**

[Method of placing an endocaval catheter for blockage of the retrohepatic segment of the vena cava inferior] Borisov AE. **Klin Khir** 1981 Jul;(7):66 **(Rus)**

[Postnephrectomy renal arteriovenous fistula] Hurtado–Del Río D, et al. **Gac Med Mex** 1982 Mar;118(3):117–20 **(Spa)**

[Contrast echocardiography in the diagnosis of the surgical diversion of the inferior vena cave into the left ventricle] Mortera C, et al. **Rev Esp Cardiol** 1981;34(4):329–32 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

A case of ureteric obstruction due to a double right vena cava forming a periureteric venous ring. Radcliffe A, et al. **Br J Urol** 1981 Oct;53(5):478

Congenital interruption of the inferior vena cava. van der Horst RL, et al. **Chest** 1981 Nov;80(5):638–40

Inferior vena cava stenosis and Budd—Chiari syndrome in a woman taking oral contraceptives. Lalonde G, et al. **Gastroenterology** 1982 Jun;82(6):1452–6

Case report. Left–sided inferior vena cava with hemiazygos continuation. Allen HA, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):917–20

Case report. Vena cava anomalies simulating adenopathy on computed tomography. Jasinski RW, et al. **J Comput Assist Tomogr** 1981 Dec;5(6):921–4

Congenital obliteration of the suprahepatic inferior vena cava: case report. Frimpong–Boateng K, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):110–2

Absence of the inferior vena cava associated with an atrophic right kidney and hypertension. Brem AS, et al. **J Urol** 1981 Oct;126(4):539–41

Duplicated inferior vena cava misinterpreted by computerized tomography as metastatic retroperitoneal testicular tumor. Cohen SI, et al. **J Urol** 1982 Aug; 128(2):389–91

Double superior venae cavae with bilateral inferior venae cavae. Takagi T, et al. **Kaibogaku Zasshi** 1982 Feb; 57(1):9–14

The diagnostic importance of the recognition of the inferior vena cava abnormalities on CT–examinations. Gouliamos A, et al. **Radiologe** 1981 Sep;21(9):437–40

[Contribution of computed tomography to the exploration of congenital anomalies of the inferior vena cava. A report on five cases (author's transl)] Lardé D, et al. **J Radiol** 1981 Jun–Jul;62(6–7):363–7 (Eng. Abstr.) **(Fre)**

[Anatomical problems in prevention of pulmonary embolism (author's transl)] Enon B, et al. **Nouv Presse Med** 1982 Feb 27;11(9):661–3 (Eng. Abstr.) **(Fre)**

[Computer tomographic demonstration of so–called azygos continuation in the absence of the hepatic segment of the inferior vena cava. Three case reports (author's transl)] Jaschke W, et al. **ROFO** 1981 Sep;135(3):316–20 (Eng. Abstr.) **(Ger)**

[The contrast echocardiography for the diagnosis of the venous system anomalies. Echo–angiographic correlations (author's transl)] Marsico F, et al. **G Ital Cardiol** 1981; 11(8):1083–92 (Eng. Abstr.) **(Ita)**

[A rare case of the left sided inferior vena cava (author's transl)] Kitamura S, et al. **Kaibogaku Zasshi** 1980 Oct; 55(5):509–14 (Eng. Abstr.) **(Jpn)**

[Studies on the left side inferior vena cava in man (author's transl)] Yoshida Y, et al. **Kaibogaku Zasshi** 1981 Dec; 56(6):506–18 (Eng. Abstr.) **(Jpn)**

[Absence of the vena cava inferior] Ozols AIa, et al. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):78–80 **(Rus)**

[Absence of the prerenal segment of the inferior vena cava] Hurtado–del Río D, et al. **Gac Med Mex** 1981 Apr; 117(4):148–53 **(Spa)**

ANATOMY & HISTOLOGY

[Ostial valve of the inferior vena cava; a 5th heart valve (?)] Ukhov IuI, et al. **Arkh Anat Gistol Embriol** 1982 Mar; 82(3):95–100 (28 ref.) **(Rus)**

DRUG EFFECTS

[Influence of the venous wall—platelet interaction by dihydroergotamine (author's transl)] Silberbauer K, et al. **Wien Klin Wochenschr** 1981 Oct 2;93(18):577–9 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Periureteral venous ring] Escudero Barrilero A, et al. **Actas Urol Esp** 1981 May–Jun;5(3):153–60 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Pseudoendothelium formation in expanded polytetrafluoroethylene grafts implanted in the inferior vena cava of normal and defibrinogenated dogs. Ishimaru S, et al. **Artif Organs** 1981 Nov;5(4):379–87

[Quantitative analysis of the development and age–related anatomy of the inferior vena cava in human ontogeny] Titov VG. **Arkh Anat Gistol Embriol** 1982 May;82(5):38–45 (Eng. Abstr.) **(Rus)**

INJURIES

Techniques for controlling hemorrhage after injury of the lower inferior vena cava and iliac veins. Howell HS, et al. **Am Surg** 1981 Nov;47(11):507–8

[Fogarty–balloon–catheter lesion in cava occlusion] Franke F, et al. **Vasa** 1981;10(4):325–8 (Eng. Abstr.) **(Ger)**

[Combined injuries of major abdominal vessels] Udod VM, et al. **Klin Khir** 1981 Dec;(12):50 **(Rus)**

[Favorable outcome of combined injuries of the vena cava inferior, pancreas and small intestine] Sysuev GN, et al. **Vestn Khir** 1981 Sep;127(9):88–9 **(Rus)**

[Injury to the vena cava inferior in a penetrating abdominal wound] Veselov VS, et al. **Vestn Khir** 1982 Jan; 128(1):103–4 **(Rus)**

PARASITOLOGY

Dirofilaria immitis infection in man: report of a case of the infection in heart and inferior vena cava from Japan. Takeuchi T, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):966–9

PATHOLOGY

Membranous obstruction of the inferior vena cava: etiology and relation to hepatocellular carcinoma. Okuda K. **Gastroenterology** 1982 Feb;82(2):376–9

Membranous obstruction of the inferior vena cava and hepatocellular carcinoma in South Africa. Simson IW. **Gastroenterology** 1982 Feb;82(2):171–8

The influence of perinephric fat involvement on survival in patients with renal cell carcinoma extending into the inferior vena cava. Heney NM, et al. **J Urol** 1982 Jul; 128(1):18–20

Renal angiomyolipoma with sonographic demonstration of extension into the inferior vena cava. Kutcher R, et al. **Radiology** 1982 Jun;143(3):755–6

PHYSIOLOGY

Selective distribution of microspheres injected into the umbilical veins and inferior venae cavae of fetal sheep. Reuss ML, et al. **Am J Obstet Gynecol** 1981 Oct 15; 141(4):427–32

Papillary plasma flow and tissue osmolality in chronic caval dogs. Faubert PF, et al. **Am J Physiol** 1982 Apr; 242(4):F370–8

Echocardiography of the inferior vena cava in healthy subjects and in patients with cardiac disease. Rein AJ, et al. **Isr J Med Sci** 1982 May;18(5):581–5

Left renal vein to inferior vena cava pressure relationship in humans. Beinart C, et al. **J Urol** 1982 Jun;127(6):1070–1

A new method for recording vascular tone with an intravascular cuff and its application to canine inferior vena cava in vivo. Uematsu T, et al. **Jpn J Physiol** 1981; 31(4):477–89

Hemodynamics and renal function following experimental suprarenal vena caval occlusion. Peyton JW, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):37–42

[Relationship between ventilatory change of the inferior vena cava and central venous pressure (author's transl)] Tamaki S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jul; 19(7):460–9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Reat–time inferior vena caval ultrasonography: normal and abnormal findings and its use in assessing right–heart function. Mintz GS, et al. **Circulation** 1981 Nov; 64(5):1018–25

Superior and inferior vena cava flow velocity in patients with anomalous pulmonary vein connection. Matsuo S, et al. **Jpn Heart J** 1982 Mar;23(2):169–79

[Determinants of the diastolic pressure–volume relationship of the left ventricle: significance of myocardial ischemia and vena cava occlusion] Hess OM, et al. **Schweiz Med Wochenschr** 1981 Nov 7;111(45):1711–3 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Inferior venacavography for the staging of lymphomas. Resegotti L, et al. **Acta Haematol (Basel)** 1982;67(2):87–93

Course of the inferior vena cava on lateral films exposed in different positions. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(2):177–83

CT diagnosis of tumor thrombus in the inferior vena cava: avoiding the false–positive diagnosis. Glazer GM, et al. **AJR** 1981 Dec;137(6):1265–7

Foot vein injection: its use in the CT diagnosis of IVC thrombus [letter] Vujic I, et al. **AJR** 1982 Jun;138(6):1220–1

Retroperitoneal fibrosis from aortic aneurysm causing vena cava obstruction: a case report. Houle BJ, et al. **Angiology** 1982 Jan;33(1):64–6

Pseudo–obstruction of the interior vena cava in pediatric abdominal masses. Kadir S, et al. **Cardiovasc Intervent Radiol** 1982;5(1):25–9

CT findings in chronic post–thrombotic obstruction of the inferior vena cava. Hadar H, et al. **CT** 1982 Apr;6(1):11–6

Phlegmasia coerulea dolens after pelvic phlebography with meglumine metrizoate. Laerum F, et al. **Eur J Radiol** 1981 May;1(2):117–8

Calcification of the inferior vena cava. Katz D, et al. **J Comput Assist Tomogr** 1982 Jun;6(3):637–9

Computed tomography of the retroperitoneal vasculature and lymph nodes. Korobkin M. **Semin Roentgenol** 1981 Oct; 16(4):251–67

[Tumor of the right kidney involving the inferior vena cava. Iconography] Auvray P, et al. **Acta Urol Belg** 1981 Jul; 49(3):301–3 (Eng. Abstr.) **(Fre)**

[Demonstration by non–invasive methods of an azygos continuation of the inferior vena cava (author's transl)] Klapdor R, et al. **Prax Klin Pneumol** 1982 Jan;36(1):3–6 (Eng. Abstr.) **(Ger)**

[CT findings in ileo–caval thrombosis (author's transl)] Harder T, et al. **ROFO** 1982 Mar;136(3):248–53 (Eng. Abstr.) **(Ger)**

[Inferior vena caval extension of abdominal malignant neoplasm—significance of celiac angiography (author's transl)] Munechika H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Dec; 40(12):1128–38 (Eng. Abstr.) **(Jpn)**

[Ultrasonic diagnosis of tumor thrombosis of the inferior vena cava, renal vein and right atrium in renal cell carcinoma and adrenal tumor (author's transl)] Yoshida Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Dec 25; 41(12):1164–76 (Eng. Abstr.) **(Jpn)**

[Abdominal arteriovenous fistula. Presentation of 2 cases] Martín de Dios R, et al. **Rev Clin Esp** 1981 Nov 15; 163(3):193–5 **(Spa)**

SURGERY

Inferior vena cava clipping as an adjunct to aortic surgery. Byer A, et al. **Am Surg** 1982 May;48(5):211–3

Strain gauge plethysmographic studies after clipping of the inferior vena cave. Marquis C, et al. **Angiology** 1982 Feb; 33(2):105–10

Abdominal ultrasonography for assessment of patency of the inferior vena cava after clipping. Mosimann F, et al. **Angiology** 1982 Jul;33(7):446–9

Chylous ascites after an H–graft interposition mesocaval

shunt. Reichen J, et al. **Gut** 1982 Jul;23(7):633–5
Atrial–caval shunting (ACS) after trauma. Kudsk KA, et al. **J Trauma** 1982 Feb;22(2):81–5
Transvenous filter for pulmonary embolism. Lepore AA, et al. **NY State J Med** 1981 Oct;81(11):1645–51
Prevention of pulmonary embolism with use of Mobin-Uddin filter. Santos GH, et al. **NY State J Med** 1982 Feb; 82(2):185–7
Clinical results of suprarenal placement of the Greenfield vena cava filter. Stewart JR, et al. **Surgery** 1982 Jul; 92(1):1–4
Haemostatic clot formation at anastomosis of synthetic venous graft in defibrinogenated dogs: a scanning electron microscopic study. Ishimaru S, et al. **Thromb Haemost** 1981 Jun 30;45(3):276–81
Prevention of colon infarction following aortic reconstruction. Stavorovsky M, et al. **Vasa** 1982; 11(2):128–30
[Haemodynamic aspects of partial occlusion of inferior vena cava for the prevention of relapsing pulmonary embolism (author's transl)] Mayzlik J, et al. **Cas Lek Cesk** 1982 Apr 16;121(15):451–7 (Eng. Abstr.) **(Cze)**
[Surgical approach to the inferior vena cava in the surgical prevention of pulmonary embolism] Mayzlik J. **Rozhl Chir** 1982 Jun;61(6):432–5 (Eng. Abstr.) **(Cze)**
[Partial interruption of the inferior vena cava. More restrictive indications? Apropos of 176 cases] Dany F, et al. **Arch Mal Coeur** 1982 Apr;75(4):479–87 (Eng. Abstr.) **(Fre)**
[Experience with mesocaval shunt with jugular vein interposition for treatment of portal hypertension in children (author's transl)] Hay JM, et al. **Chir Pediatr** 1982 May-Jun;23(3):211–3 (Eng. Abstr.) **(Fre)**
[Mesentericocaval anastomosis with taffeta prosthesis. 48 cases (letter)] Jian ZY, et al. **J Chir (Paris)** 1982 May; 119(5):389 **(Fre)**
[Partial occlusion of the inferior vena cava by clips. Indications and results about 95 cases (author's transl)] Laurian C, et al. **J Chir (Paris)** 1981 Dec;118(12):691–6 (Eng. Abstr.) **(Fre)**
[Lumbar spondylodiscitis after insertion of a Mobin-Uddin caval 'umbrella' filter (author's transl)] Herbiere P, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3715–6 (Eng. Abstr.) **(Fre)**
[Leiomyosarcoma of inferior vena cava. A new case. Surgical management (author's transl)] Baumer R, et al. **Sem Hop Paris** 1982 Jul 1;58(26–27):1630–6 (Eng. Abstr.) **(Fre)**
[The role of cavotomy in the radical surgery of kidney cancer] Kolle P. **Fortschr Med** 1981 Oct 22;99(40):1626–9 (Eng. Abstr.) **(Ger)**
[Mesentericocaval shunt after esophageal bleeding in patients with cirrhosis of the liver; results during a 10 year period (author's transl)] Paquet KJ, et al. **Leber Magen Darm** 1981 Dec;11(6):252–7 (Eng. Abstr.) **(Ger)**
[Budd-Chiari syndrome: a contribution to surgical therapy] Senning A. **Schweiz Med Wochenschr** 1981 Dec 26: 111(52):2036–9 (Eng. Abstr.) **(Ger)**
[Mesocaval H-shunt, method of choice in portal hypertension?] Bartel M, et al. **Zentralbl Chir** 1982; 107(8):477–81 **(Ger)**
[Current status of the prevention of pulmonary embolism] Crisci C. **Minerva Chir** 1980 Dec 15–31;35(23–24):1827–34 **(Ita)**
[Double cava-pulmonary anastomosis for the correction of tricuspid atresia] Lins MF, et al. **Arq Bras Cardiol** 1981 Feb;36(2):111–3 (Eng. Abstr.) **(Por)**
[Endocaval cannula for total vascular isolation and perfusion of the liver] Rusanov VP. **Vestn Khir** 1981 Jul;127(7):30–2 (Eng. Abstr.) **(Rus)**
[Reconstruction of the vena cava inferior in experiments on dogs (author's transl)] Grga A, et al. **Lijec Vjesn** 1981 Sep; 103(9):372–6 (Eng. Abstr.) **(Scr)**

TRANSPLANTATION

Bursting strength of syngeneic aortic vein grafts in the rat. von Smitten K, et al. **Acta Chir Scand** 1981;147(2):115–9
Breaking strength and suture holding capacity of syngeneic aortic vein grafts in the rat. von Smitten K. **Acta Chir Scand** 1981;147(7):545–9

VENA CAVA, SUPERIOR

Superior vena cava syndrome following permanent transvenous endocardial cardiac pacing. Schulier JP, et al. **Acta Cardiol (Brux)** 1982;37(1):39–45
Superior vena caval syndrome in benign mediastinal goitre. Aasted A, et al. **Acta Chir Scand** 1981;147(6):405–8
Retropharyngeal edema, airway obstruction, and caval thrombosis. Hayden CK Jr, et al. **AJR** 1982 Apr; 138(4):757–8
Perfusion lung scan in superior vena cava obstruction: demonstration of venous collaterals and systemic-pulmonary venous shunt. Hutchins WW, et al. **AJR** 1982 Apr;138(4):754–6
Lethal chylothoraces due to superior vena caval thrombosis in infants. Kramer SS, et al. **AJR** 1981 Sep;137(3):559–63
Use of a split-sheath vein introducer for subclavian venipuncture in the placement of silicone catheters for chronic venous access. Annest LS, et al. **Am J Surg** 1982 Sep;144(3):367–9
Superior vena cava syndrome as a cause of pleural effusion. Good JT Jr, et al. **Am Rev Respir Dis** 1982 Feb; 125(2):246–7
'Downhill' varices; a cause of upper gastrointestinal hemorrhage. Kelly TR, et al. **Am Surg** 1982 Jan;48(1):35–8
Superior vena caval thrombosis as a complication of peritoneovenous shunt in malignancy. Ruff S, et al. **Am Surg** 1981 Sep;47(9):415–6
J-wire versus straight wire for central venous system cannulation via the external jugular vein. Blitt CD, et al. **Anesth Analg (Cleve)** 1982 Jun;61(6):536–7
Air embolism: placement of central venous catheters [letter] Campkin TV. **Anesthesiology** 1982 May;56(5):406–7
Eyelid edema as the presenting sign in superior vena cava syndrome. Pecora JL, et al. **Ann Ophthalmol** 1980 Oct; 12(10):1162–3
Mediastinoscopy in advanced superior vena cava obstruction. Lewis RJ, et al. **Ann Thorac Surg** 1981 Nov;32(5):458–62
Superior vena cava thrombosis and pulmonary embolus. Association with right atrial mural thrombus. Goldstein MF, et al. **Arch Intern Med** 1982 Sep;142(9):1726–8
Fistula between left coronary artery and superior vena cava. Galbraith AJ, et al. **Br Heart J** 1981 Jul;46(1):99–100
Facial swelling: a complication of transvenous pacing. Deanfield JE, et al. **Clin Cardiol** 1982 Apr;5(4):308–9
Ascitic pseudocyst obstructing superior vena cava as a complication of a peritoneo-venous shunt. Unger P, et al. **Gastroenterology** 1981 Dec;81(6):1137–9
Hemangioma of the superior caval vein. Kaliciński ZH, et al. **J Pediatr Surg** 1982 Apr;17(2):178–9
Bypass of superior vena cava: Six years' experience with spiral vein graft for obstruction of superior vena cava due to benign and malignant disease. Doty DB. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):326–38
Saphenous-jugular bypass as palliative therapy of superior vena cava syndrome caused by bronchial carcinoma. Vincze K, et al. **J Thorac Cardiovasc Surg** 1982 Feb; 83(2):272–7
Superior vena cava syndrome in a 56-year-old man. Lanteri V, et al. **J Urol** 1981 Nov;126(5):665–9
Superior vena caval syndrome [letter] Hussey HH. **JAMA** 1981 Oct 2;246(14):1548
Thrombus formation and central venous catheters [letter] Stephens WP, et al. **Lancet** 1982 Sep 18;2(8299):664–5
Superior vena cava obstruction [letter] Doty DB. **Mayo Clin Proc** 1981 Nov;56(11):717–8
Obstruction of the superior vena cava or its major tributaries demonstrated by bolus-injection excretory urography. Drane WE, et al. **Radiology** 1982 Aug;144(3):499–504
Simplified technique for placement of long term central venous silicone catheters. Cohen AM, et al. **Surg Gynecol Obstet** 1982 May;154(5):721–4
Arteriovenous fistula of the thoracic aorta: report of a case presenting with superior vena caval obstruction. Martinez E, et al. **Thorax** 1981 Apr;36(4):315–8
Coexisting congenital primary superior vena caval aneurysm and rheumatic mitral stenosis. Mok CK, et al. **Thorax** 1981 Aug;36(8):638–9
Sleep apnoea syndrome caused by neurofibromatosis and superior vena caval obstruction. Stradling JR, et al. **Thorax** 1981 Aug;36(8):634–5
Superior vena cava syndrome in children. O'Brien RT, et al. **West J Med** 1981 Aug;135(2):143–7
[Clinical analysis of 86 cases of superior vena cava syndrome (author's transl)] Huang XZ. **Chung Hua Nei Ko Tsa Chih** 1981 Dec;20(12):757–9 **(Chi)**
[Removing foreign bodies from blood circulation (author's transl)] Jebavý P, et al. **Cas Lek Cesk** 1982 Feb 26; 121(8):240–4 (Eng. Abstr.) **(Cze)**
[The benign superior vena cava syndrome] Timmermans AJ, et al. **Ned Tijdschr Geneeskd** 1981 Dec 26;125(52):2144–8 (Eng. Abstr.) **(Dut)**
[Superior vena cava obstruction syndrome] Sculier JP. **Acta Clin Belg** 1982;37(2):84–91 (Eng. Abstr.) **(Fre)**
[Superior vena cava syndrome: a rare complication of endocavitary cardiac pacing] Bonnet F, et al. **Arch Mal Coeur** 1981 Oct;74(10):1241–5 (Eng. Abstr.) **(Fre)**
[Treatment and prognosis of superior vena caval syndrome in small-cell anaplastic carcinoma of the lung (author's transl)] Joss R, et al. **Klin Wochenschr** 1981 Apr 15; 59(8):385–9 (Eng. Abstr.) **(Ger)**
[Displacements and complications of superior vena cava catheter (author's transl)] Jantsch H, et al. **Radiologe** 1981 Oct;21(10):463–9 (Eng. Abstr.) **(Ger)**
[New markings of central venous catheters, an improvement for localisation on x-ray pictures (author's transl)] Neumann H, et al. **Radiologe** 1981 Oct;21(10):493–5 (Eng. Abstr.) **(Ger)**
[Abnormal 99mTc-diethyl IDA scan caused by the obstruction of superior vena cava: 'hot spot' in the liver (author's transl)] Kawaguchi S, et al. **Kaku Igaku** 1981 Feb; 18(1):105–8 **(Jpn)**
[Experience of rapid high dose irradiation for superior vena caval syndrome (author's transl)] Kikuchi Y, et al. **Rinsho Hoshasen** 1982 Apr;27(4):455–60 (Eng. Abstr.) **(Jpn)**
[Study of the radiotherapy for superior vena cava syndrome (author's transl)] Okawa T, et al. **Rinsho Hoshasen** 1981 Apr;26(4):491–5 (Eng. Abstr.) **(Jpn)**
[Various complications and hazards of catheterization of the superior vena cava through the subclavian vein] Prikhod'ko NT, et al. **Anesteziol Reanimatol** 1981 Jul-Aug;(4):62–4 (Eng. Abstr.) **(Rus)**
[Carcinoma of the lung and superior vena cava syndrome (author's transl)] Rodríguez Flores E, et al. **Med Clin (Barc)** 1982 May 16;78(10):433–6 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Persistent left superior vena cava and associated structural and functional considerations. Bunger PC, et al. **Angiology** 1981 Sep;32(9):601–8
Ruptured venous aneurysm of the persistent left superior vena cava. Taira A, et al. **Angiology** 1981 Sep;32(9):656–9
Anomalous connection of left atrial appendage with persistent left superior vena cava. Gerlis LM, et al. **Br Heart J** 1982 Jul;48(1):73–4
Congenital systemic arteriovenous fistula between the descending aorta, azygos vein, and superior vena cava. Soler P, et al. **Chest** 1981 Nov;80(5):647–9
Congenital pericardial defect with persistent left superior vena cava associated with tetralogy of fallot. Rao KS, et al. **Indian J Chest Dis Allied Sci** 1981 Oct-Dec;23(4):201–4
CT appearance of persistent left superior vena cava. Huggins TJ, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):294–7
Double superior venae cavae with bilateral inferior venae cavae. Takagi T, et al. **Kaibogaku Zasshi** 1982 Feb; 57(1):9–14
The use of active fixation electrodes for permanent endocardial pacing via a persistent left superior vena cava. Hellestrand KJ, et al. **PACE** 1982 Mar;5(2):180–4
Congenital absence of superior vena cava: unusual anomaly of superior systemic veins complicating pacemaker placement. Hussain SA, et al. **PACE** 1981 May;4(3):328–34
[Partial endocardial cushion defect associated with left superior vena cava drainage into left atrium (author's transl)] Fang LD. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Dec; 8(4):289–91 **(Chi)**
[Left superior vena cava communicating with the left atrium. Apropos of 8 cases] Dupuis C, et al. **Arch Mal Coeur** 1981 May;74(5):507–16 (Eng. Abstr.) **(Fre)**
[Implantation of a pacemaker and superior vena cava anomalies: value of peroperative angiocardiography] Trigano JA, et al. **Arch Mal Coeur** 1982 Jul;75(7):817–23 (Eng. Abstr.) **(Fre)**
[Single left superior vena cava and sinus failure. Value of permanent cardiac stimulation by a catheter implanted in the right atrium (letter)] Bens JL, et al. **Nouv Presse Med** 1981 Dec 12;10(45):3723 **(Fre)**
[Left superior vena cava : a cause of failure of transjugular liver biopsy and difficulty inserting a pacemaker catheter (letter)] Druart F, et al. **Nouv Presse Med** 1981 Dec 5; 10(44):3654 **(Fre)**
[Unpublished cause of failure of transvenous liver biopsy. Congenital abnormality of the superior cava system (letter)] Duhamel O, et al. **Nouv Presse Med** 1981 Sep 19; 10(33):2745–6 **(Fre)**
[Multivalvular vitia in mesocardia and persistant superior vena cava] Köster O, et al. **ROFO** 1981 Sep;135(3):358–60 **(Ger)**
[Importance of a persisting left vena cava superior in pacemaker therapy (author's transl)] Marosi G, et al. **Rontgenblatter** 1982 Jan;35(1):23–6 (Eng. Abstr.) **(Ger)**
[The contrast echocardiography for the diagnosis of the venous system anomalies. Echo-angiographic correlations (author's transl)] Marsico F, et al. **G Ital Cardiol** 1981; 11(8):1083–92 (Eng. Abstr.) **(Ita)**
[Bilateral superior caval veins. Report of two cases (author's transl)] Ogura K, et al. **Nippon Ika Daigaku Zasshi** 1982 Apr;49(2):277–84 (Eng. Abstr.) **(Jpn)**
[Persistent left superior cava vein. A casual roentgenologic finding (author's transl)] Criado A, et al. **Rev Esp Anestesiol Reanim** 1981 Sep;28(5):291–2 (Eng. Abstr.) **(Spa)**
[Ellis-Van Creveld syndrome with cardiac involvement (common atrium, persistence of the left superior vena cava and atresia of the coronary sinus)] García Gallego F, et al. **Rev Esp Cardiol** 1981;34(1):77–80 (Eng. Abstr.) **(Spa)**
[Echocardiographic diagnosis of persistent left vena cave superior] García Gallego F, et al. **Rev Esp Cardiol** 1981; 34(4):301–4 (Eng. Abstr.) **(Spa)**
[Endocavitary pacemaker and a left superior vena cava] Wilhelmi Ayza M, et al. **Rev Esp Cardiol** 1982;35(1):83–5 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Successful streptokinase therapy of acute idiopathic superior vena cava thrombosis. Herrera JL, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1063–4

INJURIES

Late perforation of superior vena cava and effusion caused by central venous catheter. Criado A, et al. **Anaesth Intensive Care** 1981 Aug;9(3):286–8
Laceration of superior vena cava due to blunt trauma: successful surgical management. Couves CM, et al. **Can J Surg** 1981 Jul;24(4):402–3
Fatal cardiac tamponade. Occurrence with other complications after left internal jugular vein catheterization. Sheep RE, et al. **JAMA** 1982 Oct 1; 248(13):1632–5

[3 cases of atrial or superior vena cava perforatio. by central venous catheterization (letter)] Daoud A, et al. **Chirurgie** 1981;107(9):729–30 **(Fre)**

[5 atrial or caval perforations by a central venous catheter] Guivarc'h M, et al. **Chirurgie** 1981;107(3):256–7 **(Fre)**

[Complications of subclavian–vena cava catheterization] Ageev AK, et al. **Klin Med (Mosk)** 1982 May;60(5):91–5 (Eng. Abstr.) **(Rus)**

INNERVATION

Rapid resetting of low pressure vagal receptors in the superior vena cava of the rat. Mifflin SW, et al. **Circ Res** 1982 Aug;51(2):241–9

PATHOLOGY

Superior vena cava syndrome in childhood and adolescence: a review of the literature and report of three cases. Janin Y, et al. **J Pediatr Surg** 1982 Jun;17(3):290–5

Radiation therapy for superior vena caval syndrome due to lung cancer. Slawson RG, et al. **Md State Med J** 1981 Nov;30(11):68–70

[Diagnosis of a complete atrioventricular canal with infundibular pulmonary stenosis and left superior vena cava by 2-dimensional contrast echocardiography. Apropos of a surgically treated case] Piot JD, et al. **Arch Mal Coeur** 1981 Sep;74(9):1107–12 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Effects of selectively produced changes in cardiac rhythm or conduction upon flow in the superior vena cava. Urthaler F, et al. **J Thorac Cardiovasc Surg** 1981 Sep; 82(3):447–56

PHYSIOPATHOLOGY

Effect of sympathectomy on arterial and venous changes in renal hypertensive rats. Simon G. **Am J Physiol** 1981 Sep; 241(3):H449–54

Heart rate on distending superior vena caval–right atrial junction. Agarwal JL, et al. **Indian Heart J** 1981 May–Jun; 33(3):95–9

Superior and inferior vena cava flow velocity in patients with anomalous pulmonary vein connection. Matsuo S, et al. **Jpn Heart J** 1982 Mar;23(2):169–79

Innominate vein obstruction caused by intrathoracic goiter. Tolle SW, et al. **West J Med** 1981 Sep;135(3):235–8

[Superior vena cava flow velocity in patients with ventricular septal defect (author's transl)] Matsuo S, et al. **Kokyu To Junkan** 1982 Feb;30(2):183–91 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Upper esophageal varices: report of three cases and review of the literature. Glanz S, et al. **Am J Gastroenterol** 1982 Mar;77(3):194–8

Benign superior vena cava syndrome caused by transvenous cardiac pacemaker. Cholankeril JV, et al. **Cardiovasc Intervent Radiol** 1982;5(1):40–2

[Value of superior vena cava angiography in Schwartz–Bartter syndrome (author's transl)] Wechsler B, et al. **Sem Hop Paris** 1982 May 20;58(20):1229–32 (Eng. Abstr.) **(Fre)**

[Multivalvular vitia in mesocardia and persistant superior vena cava] Köster O, et al. **ROFO** 1981 Sep;135(3):358–60 **(Ger)**

RADIONUCLIDE IMAGING

Scintigraphic features of superior vena cava obstruction due to substernal non-toxic goitre. Sy WM, et al. **Br J Radiol** 1982 Apr;55(652):301–3

Collateral pathways in superior vena caval obstruction as seen on gamma images. Sy WM, et al. **Br J Radiol** 1982 Apr;55(652):294–300

Leaking Glenn anastomosis demonstrated by first pass radionuclide angiography. Huckell VF, et al. **Clin Nucl Med** 1982 Feb;7(2):58–61

Radionuclide angiography: superior vena caval obstruction. Rivera JV, et al. **Semin Nucl Med** 1981 Oct;11(4):325–6

SURGERY

Surgical relief of thrombotic superior vena cava obstruction caused by endocardial pacing catheter. Blair TP, et al. **Ann Thorac Surg** 1982 May;33(5):511–5

An epitaph for cavopulmonary anastomosis. Robicsek F. **Ann Thorac Surg** 1982 Aug;34(2):208–20

The role of cava–pulmonary (Glenn) anastomosis in the palliative treatment of congenital heart disease. di Carlo D, et al. **J Thorac Cardiovasc Surg** 1982 Mar;83(3):437–42

Resection of lung cancer involving the heart and great vessels. Shohtsu A, et al. **Tokai J Exp Clin Med** 1981 Oct; 6(4):373–83

[Bypass operation using autofemoral vein graft for superior vena cava syndrome (author's transl)] Kanno M, et al. **Kyobu Geka** 1981 Sep;34(9):715–9 (Eng. Abstr.) **(Jpn)**

[Experimental study of superior vena caval replacement with glutaraldehyde-tanned tracheal biograft (author's transl)] Yozu R. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Sep; 29(9):1459–69 (Eng. Abstr.) **(Jpn)**

VENAE CAVAE

Clinical experience with vena caval filters in high-risk cancer patients. Cantelmo NL, et al. **Cancer** 1982 Jul 15; 50(2):341–4

Use of a guide wire snare for placement of vena cava filters. Natu SS, et al. **Radiology** 1982 Aug;144(3):641–3

Occlusion of the vena cava in infants receiving central venous hyperalimentation. Fonkalsrud EW, et al. **Surg Gynecol Obstet** 1982 Feb;154(2):189–92

[Venous thrombectomy for acute femoro–ilio–caval thrombosis. Usefulness of ilio–cavography with image intensification (author's transl)] Moreau P, et al. **Nouv Presse Med** 1981 Oct 24;10(38):3159–60 (Eng. Abstr.) **(Fre)**

[Improvements of the flow dynamics in caval catheters: first clinical experiences (author's transl)] Kilian J, et al. **Anaesthesist** 1981 Sep;30(9):489–91 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

[Diagnosis of vena cava anomalies with radionuclide venograms in 4 cases (author's transl)] Fujioka M, et al. **Rinsho Hoshasen** 1982 Jan;27(1):123–6 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Hemodynamic, hormonal, and drinking responses to reduced venous return in the dog. Thrasher TN, et al. **Am J Physiol** 1982 Sep;243(3):R354–62

RADIOGRAPHY

[Diagnostic position of cavography (author's transl)] Harder T. **Rontgenblatter** 1981 Dec;34(12):474–81 (Eng. Abstr.) **(Ger)**

SURGERY

Experimental replacement of vena cava with expanded polytetrafluoroethylene graft. Esato K, et al. **Int Surg** 1981 Jul–Sep;66(3):227–32

[Acute femoro–ilio–caval thrombosis in gerontology. Venous thrombectomy using a brightness amplifier (letter)] Valici A, et al. **Nouv Presse Med** 1982 Apr 17;11(18):1421 **(Fre)**

VENEREAL DISEASES

Hepatitis B and sexual practices [letter] Bolan RK, et al. **Ann Intern Med** 1982 May;96(5):678

Higher medical training in venereology. Schofield CB. **Br J Vener Dis** 1982 Apr;58(2):86–91

Sexual transmission of enteric pathogens [editorial] **Lancet** 1981 Dec 12;2(8259):1328–9

Attitudes of male homosexuals to venereal disease clinics. Ross MW. **Med J Aust** 1981 Dec 12–26;2(12–13):670–1

12th International Congress of Chemotherapy. Proceedings of a symposium on sexually transmitted diseases. July 22, 1981 Florence, Italy. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):305–56

Multiple sexually transmitted diseases. Fiumara NJ, et al. **Sex Transm Dis** 1982 Apr–Jun;9(2):98–9

[Prognosis for the specialty of dermato–venereology 1980–1994] Serup J, et al. **Ugeskr Laeger** 1981 Jun 8; 143(24):1559–62 (Eng. Abstr.) **(Dan)**

[Liver and sexual freedom (author's transl)] Poynard T. **Gastroenterol Clin Biol** 1982 Apr;6(4):333–43 (224 ref.) **(Fre)**

[Experience in improving the qualifications of dermatologists and venereologists by postgraduate lecture tours] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):29–32 (Eng. Abstr.) **(Rus)**

[Experience in teaching venereology to interns in the obstetrics and gynecology curriculum] Fomin KF, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):38–41 (Eng. Abstr.) **(Rus)**

[Our experience in teaching venereology to interns in obstetrics and gynecology] Mirakhmedov UM, et al. **Vestn Dermatol Venerol** 1981 Nov;(11):48–50 (Eng. Abstr.) **(Rus)**

[Venereophobia. General considerations. Preventive aspects] Gauro MG. **Rev Sanid Hig Publica (Madr)** 1979 Sep–Oct; 53(9–10):1403–6 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Venereal disease in patients with scabies: a five-year survey. Munkvad JM, et al. **Acta Derm Venereol (Stockh)** 1982; 62(3):274–5

Sexual dysfunction and psychiatric morbidity in patients attending a clinic for sexually transmitted diseases. Catalan J, et al. **Br J Psychiatry** 1981 Apr;138:292–6

Sexually transmitted diseases: women as victims [editorial] McCormack WM. **JAMA** 1982 Jul 9;248(2):177–8

Sexually transmitted infections and cervical atypia. Schachter J. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):353–6

DIAGNOSIS

Herpes simplex virus: a cause for concern. Alexander H. **Am J Med Technol** 1982 Apr;48(4):241–5

Gardnerella vaginalis vaginitis. **Am J Obstet Gynecol** 1981 Dec 1;141(7):846–8

Genitourinary medicine. Adler MW. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1677–8

Those 'newer' sexually transmitted diseases [editorial] Neumann HH. **Conn Med** 1981 Sep;45(9):612–3

Sexually transmitted diseases of the oral cavity: part I. Felman YM, et al. **Cutis** 1982 Jun;29(6):552, 560, 562 passim

Human chlamydial infections. McCormack WM, et al. **Cutis** 1981 Dec;28(6):596, 599–600, 606 passim

[Indirect immunofluorescence technic in the serodiagnosis of Trichomonas infections] Laudańska H, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):483–6 (Eng. Abstr.) **(Pol)**

[Rapid IFR–40 (immunofluorescence reaction) in the diagnosis of urogenital trichomoniasis] Bednova VN, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):19–21 **(Rus)**

[Attendance of venereal disease patients at therapeutic and prophylactic institutions] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):55–7 (Eng. Abstr.) **(Rus)**

[Nongonococcal urethritis and other diseases transmitted by sexual contact] Radojčić V. **Srp Arh Celok Lek** 1982 Nov; 109(11):1554–7 **(Scc)**

[Present-day possibilities of aetiological diagnosis of urethritis using microbiological testing methods and its significance for specific pharmacotherapy and relapse and reinfection prevention (author's transl)] Farkaš J. **Cesk Dermatol** 1981 Jun;56(3):183–7 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Sexually transmitted diseases: 1981 schedules for the treatment of sexually transmitted diseases as recommended by the New York City Health Department Bureau of Venereal Disease Control. Part I. Felman YM, et al. **Cutis** 1981 Aug;28(2):124–39

1981 schedules for the treatment of the sexually transmitted diseases as recommended by the New York City Health Department Bureau of Venereal Disease Control Part II. Felman YM, et al. **Cutis** 1981 Oct;28(4):374–379–80, 385 passim

Therapy of sexually transmitted diseases. Lynch PJ. **Med Clin North Am** 1982 Jul;66(4):915–25 (48 ref.)

Treatment of sexually transmitted diseases. **Med Lett Drugs Ther** 1982 Mar 19;24(605):29–34

ETIOLOGY

Chlamydia trachomatis in sexually transmitted diseases. A new public health problem. Felman YM, et al. **Urology** 1981 Oct;18(4):327–36 (30 ref.)

HISTORY

IV Harrison Lecture 1981: the international venereological scene as viewed by Harrison and St Mary's. Willcox RR. **Br J Vener Dis** 1982 Apr;58(2):72–85

Venereal disease in the United States Army: 1775–1900. Kampmeier RH. **Sex Transm Dis** 1982 Apr–Jun;9(2):100–3

[60th anniversary of the Department of Skin and Venereal Diseases of the Tashkent Medical Institute] Mirakhmedov UM. **Vestn Dermatol Venerol** 1981 Nov;(11):74–6 (Eng. Abstr.) **(Rus)**

[60th anniversary of the Central Dermatovenereological Research Institute] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1981 Dec;(12):4–10 **(Rus)**

[Initial sanitary projects and antivenereal campaigns in Chile, after the independence (author's transl)] Costa–Casaretto C. **Rev Med Chil** 1980 Dec;108(12):1161–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Hepatitis B serology in 1000 VD clinic attenders. Faoagali JL. **NZ Med J** 1981 Oct 28;94(694):297–9

Quantitation of antibodies against group B streptococci, Types Ia, Ib and III in sera from different groups of individuals: high antibody levels in sera from venereal disease clinic patients. Christensen KK, et al. **Scand J Infect Dis** 1981;13(3):165–9

MICROBIOLOGY

Provision of a chlamydial culture service to a sexually transmitted diseases clinic. Ridgway GL, et al. **Br J Vener Dis** 1982 Aug;58(4):236–8

Genital warts. Oriel JD. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):326–9

[Mixed venereal infections in women] Teokharov BA, et al. **Akush Ginekol (Mosk)** 1982 Apr;(4):49–51 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Comments on the Gay Report on STD [letter] Ruben SM, et al. **Am J Public Health** 1982 Feb;72(2):214–5

Sexually transmitted diseases. Extract from the annual report of the Chief Medical Officer of the Department of Health and Social Security for the year 1979. **Br J Vener Dis** 1981 Dec;57(6):402–5

Consulting patterns after a television programme on sexually transmitted diseases. Adler MW. **Br J Vener Dis** 1982 Aug; 58(4):259–62

Study of STD clinic attenders in England and Wales, 1978. 2. Patterns of diagnosis. Belsey EM, et al. **Br J Vener Dis** 1981 Oct;57(5):290–4

Study of STD clinic attenders in England and Wales, 1978. 1. Patients versus cases. Belsey EM, et al.

Br J Vener Dis 1981 Oct;57(5):285–9
Sexually transmitted diseases in Sabah and Sarawak. Catterall RD. **Br J Vener Dis** 1981 Dec;57(6):363–6
Practices in STD clinics in England and Wales. A reassessment based on the numbers of cases seen. Kelson MC, et al. **Br J Vener Dis** 1981 Aug;57(4):221–5
Sexually transmitted diseases in Riyadh, Saudi Arabia. A study of patients attending a teaching hospital clinic. Pareek SS, et al. **Br J Vener Dis** 1981 Oct;57(5):343–5
Social factors in homosexually acquired venereal disease. Comparison between Sweden and Australia. Ross MW. **Br J Vener Dis** 1982 Aug;58(4):263–8
Sexually transmitted disease surveillance: 1980. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):124
Sexuality, venereal disease, and public health policy. Peck DL. **Health Soc Work** 1981 Nov;6(4):55–63
Sexually transmitted disease seen in general practice in Northland: a survey. Flight RJ. **NZ Med J** 1982 Apr 14; 95(705):217–8
The global pattern of sexually transmitted diseases. Oriel JD. **S Afr Med J** 1982 Jun 26;61(26):993–8
Sexually transmitted diseases in homosexuals: focusing the attack. Bolan RK. **Sex Transm Dis** 1981 Oct–Dec; 8(4):293–7
Chlamydial infections in Italy. Cevenini R, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):349–52
Sexually transmitted diseases among prostitutes and other sexual offenders. Conrad GL, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4):241–4
Profile of callers to the VD National Hotline. Knox SR, et al. **Sex Transm Dis** 1981 Oct–Dec;8(4):245–54
[Sexually transmitted diseases in a French department, 1978] Torgal-Garcia J, et al. **Bull WHO** 1981;59(4):567–73 (Eng. Abstr.) **(Fre)**
[Venereal disease morbidity and control measures abroad] Mordovtsev VN, et al. **Vestn Dermatol Venerol** 1981 Dec; (12):44–50 (79 ref.) **(Rus)**
[Automated system for processing information on venereal disease morbidity] Spirov G, et al. **Vestn Dermatol Venerol** 1982 May;(5):39–41 **(Rus)**
[Mathematical modeling of venereal disease morbidity] Tesalova OT. **Vestn Dermatol Venerol** 1981 Dec;(12):51–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Sigmoidoscopic and microscopic appearance of the rectal mucosa in homosexual men. McMillan A, et al. **Gut** 1981 Dec;22(12):1035–41

PREVENTION & CONTROL

The spirochete curriculum. Hood BL. **Adolescence** 1982 Spring;17(65):129–32
The VD National Hotline [letter] Knox S, et al. **Ann Intern Med** 1981 Oct;95(4):513
Infectious diseases. NH and MRC report. From the 91st session of the National Health and Medical Research Council, June 4 and 5, 1981. **Aust Fam Physician** 1982 Apr; 11(4):302–4, 306–8
Circumcision [letter] **Can Med Assoc J** 1982 Mar 1; 126(5):466–7
From the Infectious Diseases Society of America. Countering the epidemic of sexually transmitted diseases: a call to action. Corey L, et al. **J Infect Dis** 1982 Mar;145(3):422–6
Sexually transmitted diseases [editorial] Hoffman CA. **JAMA** 1981 Oct 9;246(15):1709
Strategies for prevention of hepatitis B as a sexually transmitted disease. Grady GF. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):344–8
Meeting the challenge of sexually transmitted disease [letter] Ritter H Jr. **Urology** 1981 Sep;18(3):325–6
The condom as contraceptive and prophylactic--a reappraisal. Shenefelt PD. **Wis Med J** 1981 Sep;80(9):19–20
[Organization of the control of venereal diseases in the Moscow area] Verbenko EV, et al. **Sov Med** 1982;(3):81–3 **(Rus)**
[Aspects of the dispensary work of dermatologic and venereologic institutions in controlling venereal diseases today] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1982 Mar;(3):32–6 **(Rus)**
[Organizational experience with compulsory prophylactic medical examinations of defined categories of workers] Kobets GP, et al. **Vestn Dermatol Venerol** 1981 Aug; (8):42–3 (Eng. Abstr.) **(Rus)**
[Major achievements in the field of dermato-venereology 1976–1980] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):4–11 **(Rus)**
[Current problems of dermatology and venereology] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1982;(1):4–10 **(Rus)**
[Sexually transmitted diseases (editorial)] Acuña HR. **Bol Of Sanit Panam** 1982 Mar;92(3):189–91 **(Spa)**
[Control of sexually-transmitted diseases: it is easier in theory than in practice] Brown ST. **Bol Of Sanit Panam** 1982 Mar; 92(3):257–8 **(Spa)**
[Use of a contraceptive suppository as chemoprophylaxis against sexually-transmitted diseases] Marion-Landais G. **Salud Publica Mex** 1981 Jul–Aug;23(4):345–52 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

[Attitude toward health of patients with venereal disease] Bruns H, et al. **Dermatol Monatsschr** 1982 Jan;168(1):16–23 (Eng. Abstr.) **(Ger)**

THERAPY

Venial sin--a case for specific transmission of information? Higgs R. **J Med Ethics** 1981 Sep;7(3):155–7
History of the development of a service for the venereal diseases. Adler MW. **J R Soc Med** 1982 Feb;75(2):124–8
Women's treatment decisions for genital symptoms. Harrison RM. **J R Soc Med** 1982 Jan;75(1):23–6

TRANSMISSION

The hepatitis carrier and ethical issues [letter] **Ann Intern Med** 1981 Oct;95(4):513–4
Transmission of hepatitis B virus [letter] Scott RM, et al. **Ann Intern Med** 1982 Jul;97(1):147
Homosexuality and sexually transmitted diseases. Fluker JL. **Br J Hosp Med** 1981 Sep;26(3):265–6, 269
Sexually transmitted diseases in Ethiopia. Social factors contributing to their spread and implications for developing countries. Plorde DS. **Br J Vener Dis** 1981 Dec; 57(6):357–62
Contact tracing [editorial] Adler MW. **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1211
Synopses of papers delivered at the Conference on Current Aspects of Sexually Transmitted Diseases (STDs), June 1979. **J Homosex** 1980 Spring;5(3):281–332
Homosexual transmission of amoebiasis [letter] **J R Soc Med** 1982 Jul;75(7):564–5
Sexual transmission of toxic-shock syndrome? [letter] Brawley RL, et al. **N Engl J Med** 1982 Mar 25;306(12):750
Epidemiology of sexually transmitted hepatitis B infections in heterosexuals: a review. Judson FN. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):336–43
Hepatitis and other sexually transmitted diseases in gay men and in lesbians. William DC. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):330–2
[The examination of the health behaviour of venereal patients using a special questionnaire (author's transl)] Bruns H, et al. **Dermatol Monatsschr** 1981 Sep;167(9):567–72 (Eng. Abstr.) **(Ger)**
[Acute virus hepatitis and venereal infection (author's transl)] Bühring M, et al. **MMW** 1981 Sep 4;123(36):1333–6 (Eng. Abstr.) **(Ger)**
[Male homosexuality, bisexuality and transmission of diseases - a new problem in health care] Lind AO. **Lakartidningen** 1982 Mar 31;79(13):1263–5 **(Swe)**
[Increased risk for homosexual men for venereal transmitted diseases] Thorén K. **Lakartidningen** 1982 Mar 31; 79(13):1265–6 **(Swe)**

VETERINARY

Contagious equine metritis. Powell DG. **Adv Vet Sci Comp Med** 1981;25:161–84 (58 ref.)
Venereal spirochetosis of rabbits: eradication. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):379–81
Venereal spirochetosis of rabbits: epizootiology. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):372–8
Venereal spirochetosis of rabbits: description and diagnosis. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Aug; 31(4):366–71

VENEREAL TUMORS, TRANSMISSIBLE see **VENEREAL TUMORS, VETERINARY**

VENEREAL TUMORS, VETERINARY

BLOOD

Canine transmissible venereal sarcoma: distribution of T and B lymphocytes in blood, draining lymph nodes and tumours at different stages of growth. Chandler JP, et al. **Br J Cancer** 1981 Oct;44(4):514–21

FAMILIAL & GENETIC

Enhancement of the biological activities of deoxyribonucleic acid extracted from canine venereal tumours. Anekwe GE. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):103–9

IMMUNOLOGY

Canine transmissible venereal sarcoma: leukocyte adherence inhibition (LAI) reactivity of various lymphoid tissues of dogs with tumors at different stages of growth. Harding MW, et al. **Int J Cancer** 1981 Mar 15;27(3):349–55
Sequential changes in peripheral blood leukocyte adherence inhibition (LAI) reactivity during progressive growth and spontaneous regression of canine transmissible venereal sarcoma. Harding MW, et al. **Int J Cancer** 1981 Sep 15; 28(3):361–6

PATHOLOGY

Histological and Ultrastructural findings of regressing canine transmissible venereal tumor after repeated transplantation. Otomo K, et al. **Nippon Juigaku Zasshi** 1981 Dec; 43(6):823–32
A 125IUdR technique for measuring the cell loss from subcutaneously growing canine transmissible venereal tumours. Holmes JM. **Res Vet Sci** 1981 Nov;31(3):306–11
[Growth and regression course of canine transmissible sarcoma transplanted into beagles and mongrel dogs (author's transl)] Kudo T, et al. **Nippon Juigaku Zasshi** 1981 Jun;43(3):421–8 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

The effects of differing gallium-transferrin-anion complexes on the tumor uptake of gallium-67. Terner UK, et al. **Int J Nucl Med Biol** 1981;8(4):357–62

VENOGRAPHY see **PHLEBOGRAPHY**

VENOMS

see related
ANTIVENINS

Some clinical and epidemiological problems of venom poisoning today. Maretic Z. **Toxicon** 1982;20(1):345–8
[Venomous and poisonous animals: medical aspects] Stahel E, et al. **Ann Soc Belg Med Trop** 1982 Mar;62(1):3–23 (73 ref.) **(Fre)**

ANALYSIS

Preparation, properties, and uses of two fluorogenic substrates for the detection of 5'-(venom) and 3'-(spleen) nucleotide phosphodiesterases. Hawley DM, et al. **Anal Biochem** 1981 Oct;117(1):18–23
Phospholipase A2 electrophoretic variants in reptile venoms. Durkin JP, et al. **Toxicon** 1981;19(4):535–46

IMMUNOLOGY

The effect of venom skin testing on venom RAST titers. Green RL, et al. **Ann Allergy** 1982 Mar;48(3):143–4

ISOLATION & PURIFICATION

Venom from two sub-species of Heloderma horridum (Mexican beaded lizard): general characterization and purification of N-benzoyl-L-arginine ethyl ester hydrolase. Alagón AC, et al. **Toxicon** 1982;20(2):463–75

PHARMACODYNAMICS

Gila monster and mexican beaded lizard venoms enhance guanylate cyclase activity. Vesely DL. **Res Commun Chem Pathol Pharmacol** 1982 Apr; 36(1):119–27
[Immunopharmacologic activity of toxins of animal origin (review of the literature)] Selfulla RD, et al. **Farmakol Toksikol** 1981 Mar–Apr;44(2):238–44 (127 ref.) **(Rus)**

PHYSIOLOGY

Biochemistry of insect venoms. Schmidt JO. **Annu Rev Entomol** 1982;27:339–68 (226 ref.)

VENOUS INSUFFICIENCY

COMPLICATIONS

Chronic venous ulcers: techniques for management. Kumar VN. **J Kans Med Soc** 1982 Mar;83(3):125–7
Lymphatic microangiopathy: a complication of severe chronic venous incompetence (CVI). Bollinger A, et al. **Lymphology** 1982 Jun;15(2):60–5
Intermittent compression for the treatment of a chronic stasis ulceration: a case report. McCulloch JM. **Phys Ther** 1981 Oct;61(10):1452–3
Microcirculatory disturbances - the final cause for venous leg ulcers? Fagrell B. **Vasa** 1982;11(2):101–3
[Unstable erection due to venous insufficiency. Diagnosis and surgical correction. 10 cases with a mean follow-up 12 months (author's transl)] Virag R. **J Mal Vasc** 1981; 6(2):121–4 (Eng. Abstr.) **(Fre)**
[Lymphatic microangiopathy in chronic venous insufficiency] Isenring G, et al. **Vasa** 1982;11(2):104–10 (Eng. Abstr.) **(Ger)**
[Physical lymph drainage and therapy of edema in chronic venous insufficiency] Asdonk J. **Z Lymphol** 1981 Dec; 5(2):107–11 (Eng. Abstr.) **(Ger)**
[The bone in circulatory disorders. III. Venous stasis and phlebopathy] Giudice PA, et al. **Minerva Chir** 1982 Mar 31;37(6):587–8 **(Ita)**
[Role of venous insufficiency in the etiology of peripheral circulation disorders in diabetic patients] Volgin EG. **Klin Med (Mosk)** 1981 Dec;59(12):70–3 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Large leg of superficial venous stasis, excluding disorders of the deep venous circulation. Griton P. **Phlebologie** 1982 Jan-Mar;35(1):231–46 **(Eng, Fre)**
Static repercussion on the capillaro-venular segment. Merlen JF. **Phlebologie** 1982 Jan-Mar;35(1):53–60 **(Eng, Fre)**
Directional Doppler flowmetry in superficial veins as a guide to venous disorders in the lower limbs. Tibbs DJ, et al. **Phlebologie** 1982 Jan-Mar;35(1):41–51 **(Eng, Fre)**
Current status of noninvasive tests in the diagnosis of venous disease. Barnes RW. **Surg Clin North Am** 1982 Jun; 62(3):489–500
[Doppler sonography in phlebological diagnosis] Bönniger-Beckers F. **Fortschr Med** 1981 Apr 9;

99(14):481–5 (Eng. Abstr.) (Ger)
[Comparative phlebographic and phlebodynamometric studies on the severity of postthrombotic syndrome] Müller JH, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):288–90 (Ger)
[Diagnosis of insufficient perforating veins using thermographic plates] Funke C, et al. **Z Gesamte Inn Med** 1981 Nov 1;36(21):818–21 (Eng. Abstr.) (Ger)
[Photoplethysmography. A simple non-invasive method in the diagnosis of arterial and venous insufficiency] Stranden E, et al. **Tidsskr Nor Laegeforen** 1981 Jun 20; 101(17–18):1071–3 (Eng. Abstr.) (Nor)
[Expert medico-vocational assessment and rehabilitation of patients and invalids with chronic venous insufficiency of the lower extremities] Zelenin RP, et al. **Khirurgiia (Mosk)** 1982 Feb;(2):33–6 (Eng. Abstr.) (Rus)

DRUG THERAPY

Double-blind clinical and plethysmographic study of calcium dobesilate in patients with peripheral microvascular disorders. Hachen HJ, et al. **Angiology** 1982 Jul;33(7):480–8
A double-blind trial of O-(beta-hydroxyethyl)-rutoside in patients with chronic venous insufficiency. Bergqvist D, et al. **Vasa** 1981;10(3):253–60
[Leg disorders—disorders of blood supply. The effect of Essaven ultra in chronic venous insufficiency] Hirsch J. **Fortschr Med** 1982 Mar 11;100(10):436–8 (Eng. Abstr.) (Ger)
[Improvement of venous insufficiency with oral dehydroergotamine] Partsch H. **Med Welt** 1981 Oct 30; 32(44):1668–71 (Ger)
[Centella asiatica extract in venous disorders of the lower limbs. Comparative clinico-instrumental studies with a placebo] Allegra C, et al. **Clin Ter** 1981 Dec 15;99(5):507–13 (Eng. Abstr.) (Ita)
[Centella asiatica extract in venous pathology of the lower limbs and its evaluation as compared with tribenoside] Marastoni F, et al. **Minerva Cardioangiol** 1982 Apr; 30(4):201–7 (Eng. Abstr.) (Ita)

ETIOLOGY

Venous insufficiency as a late complication after tibial fracture. Willén J, et al. **Acta Orthop Scand** 1982 Feb; 53(1):149–53
The mechanisms of venous stasis in post-phlebitic syndromes. Langeron P, et al. **Phlebologie** 1982 Jan–Mar;35(1):273–87 (Eng, Fre)
[Post-phlebitis syndromes. Indications and limitations of surgical treatment] Mangiola A, et al. **Minerva Chir** 1980 Dec 15–31;35(23–24):1951–5 (Ita)

METABOLISM

[Transcapillary metabolic changes in chronic venous insufficiency of the legs as affected by a permanent magnetic field] Zhukov BN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul–Aug; (4):28–31 (Eng. Abstr.) (Rus)

OCCURRENCE

[Epidemiology of venous diseases - results of an epidemiologic study] Winkler M, et al. **Z Gesamte Inn Med** 1981 Jul 1;36(13):459–62 (Eng. Abstr.) (Ger)

PATHOLOGY

[Varicose veins, chronic venous insufficiency, postthrombotic syndrome (author's transl)] Roser-Maass E, et al. **Z Hautkr** 1982 Feb 1;57(3):141–52 (Eng. Abstr.) (Ger)
[Reaction of the wall of veins of the extremities to a disturbance of venous outflow] Baibekov IM, et al. **Arkh Anat Gistol Embriol** 1982 May;82(5):45–51 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Pathophysiologic evaluation of chronic venous stasis with ambulatory venous pressure studies. Schanzer H, et al. **Angiology** 1982 Mar;33(3):183–91
Determinants and clinical significance of jugular venous valve competence. Fisher J, et al. **Circulation** 1982 Jan; 65(1):188–96
Decreased fertility in men with venous stasis of the legs. Howell RG, et al. **Lancet** 1982 Sep 18;2(8299):630–1
Noninvasive evaluation of venous function in chronic venous disease. Mason R, et al. **Surgery** 1982 Mar;91(3):312–7
[Action and reaction of tissue to compression] Coget J, et al. **Phlebologie** 1981 Jul–Sep;34(3):365–73 (13 ref.) (Fre)
[Gravity and venous circulation. I. The normal vein] Lemaire R. **Phlebologie** 1982 Apr–Jun;35(2):533–41 (Fre)
[Method of studying the venous system in patients with venous diseases of the lower limbs] Dukhieva LI, et al. **Klin Med (Mosk)** 1981 Nov;59(11):85–7 (Eng. Abstr.) (Rus)
[Hemodynamic aspects of chronic venous insufficiency of lower extremities] Varshavskil IM. **Vestn Khir** 1981 Dec; 127(12):67–72 (Eng. Abstr.) (Rus)

PREVENTION & CONTROL

Clinical comparison of elastic supports for venous diseases of the lower limb and thrombosis prevention. Schraibman IG, et al. **Phlebologie** 1982 Jan–Mar;35(1):61–71 (Eng, Fre)

SURGERY

Surgical treatment of postphlebitic syndrome with vein valve transplant. Taheri SA, et al. **Am J Surg** 1982 Aug; 144(2):221–4
A rational approach to surgery of the chronic venous statis syndrome. Schanzer H, et al. **Ann Surg** 1982 Jan;195(1):25–9
Late objective assessment of venous value surgery. Johnson ND, et al. **Arch Surg** 1981 Nov;116(11):1461–6
Triangular venous valvuloplasty. A new procedure for correction of venous incompetence. Jones JW, et al. **Arch Surg** 1982 Sep;117(9):1250–1
Valve competence following experimental venous valve autotransplantation. Kroener JM, et al. **Arch Surg** 1981 Nov;116(11):1467–73
Venous reconstructive surgery. Bergan JJ, et al. **Surg Clin North Am** 1982 Jun;62(3):399–410
Long term results of subfascial vein ligation for venous stasis disease. Hyde GL, et al. **Surg Gynecol Obstet** 1981 Nov; 153(5):683–6
[Modification of Palme's operation in the treatment of chronic venous postthrombotic occlusion in the ileofemoral region] Kořistek V, et al. **Rozhl Chir** 1982 Apr;61(4):275–80 (Eng. Abstr.) (Cze)
[A new surgical instrument for subaponeurotic interruption of communicating veins] Petrilli GL. **Chir Ital** 1982 Feb; 34(1):86–90 (Ita)
[Our experiences in the surgical treatment of post-phlebitis syndrome of the lower extremities] Marconato R, et al. **Minerva Chir** 1981 Oct 31;36(20):1333–6 (Eng. Abstr.) (Ita)
[Combined surgical correction of venous hemodynamics and lymph outflow in venous diseases of the legs] Driuk NF, et al. **Klin Khir** 1981 Jul;(7):9–12 (Eng. Abstr.) (Rus)
[Surgical correction of absolute valvular insufficiency of the femoral vein] Zelenin RP, et al. **Klin Khir** 1981 Jul;(7):43–5 (Eng. Abstr.) (Rus)

THERAPY

The choice of compressive stocking. Stemmer R. **Phlebologie** 1982 Jan–Mar;35(1):107–16 (Eng, Fre)
The choice of compressive methods in phlebology. Van der Molen HR. **Phlebologie** 1982 Jan–Mar;35(1):73–99 (Eng, Fre)
[Original clinical case. Therapeutic achievement] Arlaud R, et al. **Phlebologie** 1981 Apr–Jun;34(2):305–6 (Fre)
[Directions for the therapy of chronic venous insufficiency] Leu HJ. **Vasa** 1982;11(2):147–51 (Eng. Abstr.) (Ger)
[The Pütter bandage] Heede G. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):763–5 (Ger)
[Recommendations for optimal local therapy in the framework of compression therapy in venous insufficiency] Lohfink HD. **Z Arztl Fortbild (Jena)** 1981 Aug 15; 75(16):756–9 (Ger)
[Industrial manufacture and potential use of compression products and bandages] Petter O, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):722–30 (Ger)
[The Fischer bandage] Petter O. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):761–3 (Ger)
[Targeted compression of fascia gaps] Rado G. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):773–5 (Ger)
[Rotter's compression therapy of venous leg diseases] Scherliess K. **Z Arztl Fortbild (Jena)** 1981 Aug 15; 75(16):771–3 (Ger)
[Compression materials and skin changes in chronic venous insufficiency] Sebastian G, et al. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):753–5 (Ger)
[SYSpursan bandages for compression therapy in venous insufficiency] Seeckt HS. **Z Arztl Fortbild (Jena)** 1981 Aug 15;75(16):776–8 (Ger)
[Chronic venous insufficiency. Mechanical or drug compression?] Wiemers U, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):29–31 (Eng. Abstr.) (Ger)
[Compression treatment in venous insufficiency and lymphedema] Schmitz R. **Z Lymphol** 1981 Jul;5(1):40–5 (Eng. Abstr.) (Ger)

VENOUS PRESSURE

Augmented vasoconstrictor response to changes in vascular transmural pressure in patients with essential arterial hypertension. Henriksen O, et al. **Acta Physiol Scand** 1981 Jul;112(3):323–9
Splenic afferents and some of their reflex responses. Herman NL, et al. **Am J Physiol** 1982 Mar;242(3):R247–54
Epicardial coronary venous pressures: autonomic responses. Klassen GA, et al. **Can J Physiol Pharmacol** 1982 May; 60(5):698–706
Cardiac output and venous return as interdependent and independent variables. Badeer HS. **Cardiology** 1981; 67(2):65–72
Episcleral venous pressure in normotensive and glaucomatous beagles. Gelatt KN, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):131–5
Effect of systemic venous hypertension on pulmonary function and lung water. Paré PD, et al. **J Appl Physiol** 1981 Sep;51(3):592–7
Compliance of the fetal sheep liver. Gilbert RD, et al. **J Dev Physiol** 1981 Oct;3(5):283–95
Total venous capacity in two-kidney, one clip Goldblatt hypertensive rats. Yamamoto J, et al. **Jpn Circ J** 1982 Jan; 46(1):21–6
Intraosseous pressure in the lumbar spine. Spencer DL, et al. **Spine** 1981 Mar–Apr;6(2):159–61
[Programmed function test of the low pressure system of the legs (author's transl)] Gollnast HK, et al. **Radiol Diagn (Berl)** 1982 Jan;23(1):24–8 (Eng. Abstr.) (Ger)
[Physiology and pathophysiology of the venous low pressure system] Schneider W. **Z Lymphol** 1981 Jul;5(1):21–5 (Ger)
[Sympathetic activities observed through venous reactions in an arm under the tourniquet application (author's transl)] Kano T, et al. **Masui** 1981 May;30(5):466–71 (Eng. Abstr.) (Jpn)
[Effect of systemic arterial and venous pressures on blood volume in the cerebral vessels] Mchedlishvili GI, et al. **Fiziol Zh SSSR** 1982 Jan;68(1):64–71 (Eng. Abstr.) (Rus)
[Venous pressure as an index of the volume of circulating blood] Nekhaev AS, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):91–2 (Rus)

DRUG EFFECTS

Effects of general anaesthesia on portal venous pressure in the rat. Belghiti J, et al. **Eur Surg Res** 1981;13(4):285–9
A new method for recording vascular tone with an intravascular cuff and its application to canine inferior vena cava in vivo. Uematsu T, et al. **Jpn J Physiol** 1981; 31(4):477–89
[Drug therapy of venous hypertension in cardiac insufficiency] Völgyi Z, et al. **Orv Hetil** 1982 May 9; 123(19):1161–5 (Hun)

VENOUS PRESSURE, CENTRAL see **CENTRAL VENOUS PRESSURE**

VENOUS THROMBOSIS see **THROMBOPHLEBITIS**

VENTILATION

A central low vacuum pipeline system for the disposal of waste anaesthetic gases. Burm AG, et al. **Anaesthesist** 1982 Apr;31(4):200–3
The reduction of fumecupboard running costs. Hughes D, et al. **Ann Occup Hyg** 1982;25(1):101–4
Design of industrial exhaust systems using a programmable calculator. Malchaire JB. **Ann Occup Hyg** 1981; 24(2):217–24
Resistance to airflow through bedding materials used in infancy. Hatch DJ, et al. **Arch Dis Child** 1982 Jun; 57(6):443–6
Effect of ultraclean air in operating rooms on deep sepsis in the joint after total hip or knee replacement: a randomised study. Lidwell OM, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):10–4
Building ventilation measurements, predictions, and standards. McNall PE Jr. **Bull NY Acad Med** 1981 Dec; 57(10):1027–46
The problem of passive smoking. Repace JL. **Bull NY Acad Med** 1981 Dec;57(10):936–46
Ventilation and environment in relation to equine respiratory disease. Sainsbury DW. **Equine Vet J** 1981 Jul;13(3):167–70
The effect of a fan in reducing the concentration of the radon daughters inside a room by plate-out to the surface of the wall using plastic alpha-detectors. Abu-Jarad F, et al. **Health Phys** 1982 Jan;42(1):82–5
Infection rates after 3175 total hip and total knee replacements performed with and without a horizontal unidirectional filtered air-flow system. Salvati EA, et al. **J Bone Joint Surg [Am]** 1982 Apr;64(4):525–35
Microbiological tests needed before using an operating theatre. Babb JR. **J Hosp Infect** 1981 Mar;2(1):97–8
Equipment and procedures for calibrating thermoanemometers and photometers. Gross RI. **J Parenter Sci Technol** 1981 Jul–Aug;35(4):162–6
Evaluation of a chemical scrubber for the removal of gaseous contaminants from recycled air. Jeszenka EV, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):489–93
Evaluation of a chemical scrubber for the removal of airborne bacteria from recycled air. Jeszenka EV, et al. **Lab Anim Sci** 1981 Oct;31(5 Pt 1):494–7
Safety in post-mortem rooms. Wright AE. **Lancet** 1982 Sep 4;2(8297):561
[Room air quality and ventilation] Huber G, et al. **Soz Praventivmed** 1981 Jul;26(3):177–9 (Eng. Abstr.) (Ger)
[Passive smoking, air quality, measures to be taken] Weber A. **Soz Praventivmed** 1981 Jul;26(3):182–4 (Ger)
[Laminar flow in the operating room (author's transl)] Böhler J. **Zentralbl Chir** 1982;107(1):1–5 (Eng. Abstr.) (Ger)
[Differential standards for air exchange in hospital wards depending on the climatic zones] Borovik EB, et al. **Gig Sanit** 1981 Oct;(10):7–8 (Rus)
[Air pollution in the kitchens of gas-heated apartments with different modes of ventilation] Galiduk MI. **Gig Sanit** 1982 Apr;(4):90–2 (Rus)
[Hygienic basis of air exchange in enclosed sports facilities] Ivlev VI. **Gig Sanit** 1981 Oct;(10):87–8 (Rus)
[Hygienic evaluation of ventilation plans for placer mines

in the northeastern USSR] Leshchenko IaA, et al. **Gig Tr Prof Zabol** 1981 Oct;(10):46–9 **(Rus)**
[Exhaust hood with attachment for photometry] Kogut PP. **Lab Delo** 1981;(12):751–2 **(Rus)**

VENTILATION, MECHANICAL see **RESPIRATION, ARTIFICIAL**

VENTILATION–PERFUSION RATIO

see related
PULMONARY CIRCULATION

Ventilation–perfusion distribution during inhalation anaesthesia. Effects of spontaneous breathing, mechanical ventilation and positive end–expiratory pressure. Bindslev L, et al. **Acta Anaesthesiol Scand** 1981 Aug;25(4):360–71
Effects of oxygen breathing on regional distribution of ventilation and perfusion in hypoxemic patients with chronic lung disease. Guenard H, et al. **Am Rev Respir Dis** 1982 Jan;125(1):12–7
Pattern and time course of ventilation–perfusion inequality in exercise–induced asthma. Young IH, et al. **Am Rev Respir Dis** 1982 Mar;125(3):304–11
Postural changes in pulmonary blood flow in pulmonary hypertension: a noninvasive technique using ventilation–perfusion scans. Horn M, et al. **Circulation** 1982 Sep;66(3):621–6
Oxygen utilization and ventilation during exercise in patients with chronic cardiac failure. Weber KT, et al. **Circulation** 1982 Jun;65(6):1213–23
Clinical ventilation–perfusion scintigraphy. Fazio F, et al. **Clin Physiol** 1981 Aug;1(4):323–37 (80 ref.)
Ventilation/perfusion relationships. Wagner PD. **Clin Physiol** 1981 Oct;1(5):437–51 (25 ref.)
Regional lung function evaluation with nitrogen–13. Ahluwalia B, et al. **Eur J Nucl Med** 1981;6(10):453–7
Symmetrical perfusion defects without pulmonary embolism. Biello DR, et al. **Eur J Nucl Med** 1982;7(5):197–9
Calculating the distribution of ventilation–perfusion ratios from inert gas elimination data. Wagner PD. **Fed Proc** 1982 Jan;41(1):136–9
Hypoxemia and general anesthesia: an analysis of distribution of ventilation and perfusion. Klineberg PL, et al. **Int Anesthesiol Clin** 1981 Fall;19(3):123–67 (168 ref.)
Pulmonary vascular tone improves VA/Q matching in obliterative pulmonary hypertension. Dantzker DR, et al. **J Appl Physiol** 1981 Sep;51(3):607–13
Intrathoracic liposarcoma: abnormal regional xenon–133 V/Q study. Spindel E, et al. **J Can Assoc Radiol** 1982 Jun; 33(2):116–8
Ventilation–perfusion mismatch due to obstruction of pulmonary vein. Mendelson DS, et al. **J Nucl Med** 1981 Dec;22(12):1062–3
Effects of spontaneous ventilation on the circulation. Wise RA, et al. **Lung** 1981;159(4):175–86 (78 ref.)
Effect of age on the regional perfusion and washouts of injected xenon in normal men. Piret L, et al. **Pflugers Arch** 1982 Jan;392(3):272–6
Ventilation–perfusion lung scanning in patients detected by a screening program for early lung carcinoma. Katz RD, et al. **Radiology** 1981 Oct;141(1):171–8
The feasibility of performing 133Xe ventilation imaging following the perfusion study. Kipper MS, et al. **Radiology** 1982 Aug;144(3):581–6
The stripe sign: a new sign for diagnosis of nonembolic defects on pulmonary perfusion scintigraphy. Sostman HD, et al. **Radiology** 1982 Mar;142(3):737–41
Effect of shifts of the O2 dissociation curve upon alveolar–arterial O2 gradients in computer models of the lung with ventilation–perfusion mismatching. Turek Z, et al. **Respir Physiol** 1981 Aug;45(2):133–9
Right to left shunt measurement in patients suspect for pulmonary embolism. Peo RH, et al. **Respiration** 1981; 41(3):174–80
Ventilation–perfusion imaging and pulmonary angiography: changing pattern of use. Teates CD, et al. **South Med J** 1981 Nov;74(11):1317–21
Ventilation and perfusion alterations following homologous blood transfusion. Robinson NB, et al. **Surgery** 1982 Aug; 92(2):183–91
[Ventilation perfusion distribution: a program for personal computer. Part II (author's transl)] Vicaut E, et al. **Anesth Analg (Paris)** 1981;38(9–10):569–74 (Eng. Abstr.) **(Fre)**
[Perfusion and ventilation lung scanning in the preoperative evaluation of bronchogenic carcinoma (author's transl)] Brune J, et al. **Ann Chir** 1982 Feb;36(2):95–101 (Eng. Abstr.) **(Fre)**
[The use of radionuclide scanning in the diagnosis of pulmonary carcinous metastases (author's transl)] Mensch–Dechêne J, et al. **Ann Chir** 1982 Feb;36(2):104–5 (Eng. Abstr.) **(Fre)**
[Gas exchange and ventilation–perfusion ratio] **Rev Fr Mal Respir** 1980;8(6):423–643 **(Fre)**
[The place of VA/Q effects on variations of PaCO2 in acute respiratory failure of chronic obstructive respiratory insufficiency] Aubier M, et al. **Rev Fr Mal Respir** 1980; 8(6):519–26 **(Fre)**
[Distribution of ventilation–perfusion ratios using the inert gases method] Derks C. **Rev Fr Mal Respir** 1980; 8(6):495–502 **(Fre)**
[The concept of ventilation–perfusion. A model for teaching] Farhi LE. **Rev Fr Mal Respir** 1980;8(6):425–34 **(Fre)**
[Determination of the distribution of regional pulmonary ventilation perfusion ratios using the isotope method] Harf A, et al. **Rev Fr Mal Respir** 1980;8(6):503–8 **(Fre)**
[Inter– and intra–regional factors influencing the distribution of ventilation–perfusion ratios] Hughes JM. **Rev Fr Mal Respir** 1980;8(6):489–93 (27 ref.) **(Fre)**
[Physiopathology of ventilation/perfusion ratios] Wagner PD. **Rev Fr Mal Respir** 1980;8(6):481–8 **(Fre)**
[Distribution of ventilation/perfusion ratios] West JB. **Rev Fr Mal Respir** 1980;8(6):471–80 **(Fre)**
[Ventilation–perfusion scintigraphy in the diagnosis of pulmonary embolism] Kimmig B, et al. **Rontgenpraxis** 1981; 34(3):117–24 **(Ger)**
[Analysis of uneven distribution of respiratory functions in the lung] Kawashiro T, et al. **Kokyu To Junkan** 1981 May; 29(5):475–9 **(Jpn)**
[Simultaneous analysis of uneven distribution of the ventilation–perfusion ratio and of the diffusing capacity for carbon monoxide in the anesthetized dog (author's transl)] Yamaguchi K. **Kokyu To Junkan** 1982 Jun;30(6):595–602 (Eng. Abstr.) **(Jpn)**
[Experimental study on measurement of Va/Q distribution by 6 inert gas elimination method in dog (author's transl)] Ueno O, et al. **Masui** 1981 Dec;30(12):1317–25 (Eng. Abstr.) **(Jpn)**
[A study on VA/Q distribution in dog lungs with experimental pulmonary emboli and lobar atelectasis (author's transl)] Ueno O, et al. **Masui** 1982 Apr; 31(4):334–40 (Eng. Abstr.) **(Jpn)**
[Clinical assessment of mean washout time and lung functional image by ventilatory steady state measurement with 133Xe (author's transl)] Kimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr;19(4):252–9 (Eng. Abstr.) **(Jpn)**
[Interdependence of ventilation and hemodynamic indices in respiratory tract diseases] Khadartsev AA, et al. **Klin Med (Mosk)** 1981;59(7):78–81 (Eng. Abstr.) **(Rus)**
[Comparison of the pulmonary diffusing capacity and ventilation indices in patients with pulmonary tuberculosis] Volkova KI. **Klin Med (Mosk)** 1981 Dec;59(12):30–4 (Eng. Abstr.) **(Rus)**
[Computerized gamma scintigraphic data on the distribution of the ventilation–perfusion ratio in the lungs] Dmitrienko BN, et al. **Med Radiol (Mosk)** 1981 Sep;26(9):31–6 (Eng. Abstr.) **(Rus)**
[Pulmonary ventilation study of children, using computerized gamma scintigraphy] Dmitrienkov BN, et al. **Med Radiol (Mosk)** 1981 Aug;26(8):24–7 (Eng. Abstr.) **(Rus)**
[Pulmonary shunt and its regulation] Dukov LG. **Usp Fiziol Nauk** 1981 Oct–Dec;12(4):112–28 **(Rus)**
[Changes in pulmonary circulation and ventilation during the development of arterial hypertension in old age] Katiukhin VN, et al. **Vrach Delo** 1982 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**
[Arteriovenous shunting in obesity, its relation to lung volume] Martínez Guerra ML, et al. **Arch Inst Cardiol Mex** 1981 Jul–Aug;51(4):365–70 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Influence of nitroglycerin on central haemodynamics and VA/QC of the lungs in the postoperative period after coronary bypass surgery. Holmgren A, et al. **Acta Med Scand [Suppl]** 1981;652:135–43
Hemodynamic and gas exchange effects of intravenous diltiazem in patients with pulmonary hypertension. Crevey BJ, et al. **Am J Cardiol** 1982 Feb 18;49(3):578–83
Effect of nitroglycerin on pulmonary perfusion distribution and gas exchange of normal subjects. Nemery B, et al. **Eur J Clin Invest** 1982 Apr;12(2):177–84
[Effects of oral almitrine on the distribution of VA/Q ratio in chronic obstructive lung diseases (author's transl)] Castaing Y, et al. **Bull Eur Physiopathol Respir** 1981 Nov–Dec;17(6):917–32 (Eng. Abstr.) **(Fre)**
[Effects of almitrine on isotope distribution in ventilation and regional perfusion in chronic respiratory insufficiency] Rigaud D, et al. **Rev Fr Mal Respir** 1980;8(6):605–16 **(Fre)**

VENTILATORS, PULMONARY see **RESPIRATORS**

VENTRAL HERNIA see **HERNIA, VENTRAL**

VENTRICULAR FIBRILLATION

Effects of perfusion pressure on myocardial performance, metabolism, wall thickness, and compliance: comparison of the beating and fibrillating heart. Spadaro J, et al. **J Thorac Cardiovasc Surg** 1982 Sep;84(3):398–405

BLOOD

Plasma adrenaline and noradrenaline in patients with acute myocardial infarction. Relationship to ventricular arrhythmias of varying severity. Bertel O, et al. **Chest** 1982 Jul;82(1):64–8

CHEMICALLY INDUCED

Ventricular fibrillation, hypokalemia, and AMSA therapy [letter] Foldes JA, et al. **Ann Intern Med** 1982 Jan; 96(1):121–2
Fatal ventricular fibrillation after treatment with digoxin in a 27–year–old man with mitral leaflet prolapse syndrome. Salmela PI, et al. **Br Heart J** 1981 Sep;46(3):338–41
Ventricular fibrillation induced by xipamide. Altmann P, et al. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):494
Ventricular fibrillation induced by xipamide [letter] Rowlands DB, et al. **Br Med J [Clin Res]** 1982 May 8; 284(6326):1407
Torsades de pointes, a common arrhythmia, induced by medication. Ko PT, et al. **Can Med Assoc J** 1982 Sep 1; 127(5):368–72
The influence of contrast media additives upon ventricular fibrillation thresholds during coronary angiography in ischemic and normal canine hearts. Wolf GL, et al. **Cardiovasc Intervent Radiol** 1981;4(3):145–7
Prolongation of the Q–T interval caused by sotalol—possible association with ventricular tachyarrhythmias. Laakso M, et al. **Eur Heart J** 1981 Aug;2(4):353–8
Ventricular tachyarrhythmia: complication of atropine therapy in acute myocardial infarction. Goel VK, et al. **Indian Heart J** 1981 Nov–Dec;33(6):301–2
New angiographic agents with less fibrillatory propensity. Wolf GL, et al. **Invest Radiol** 1981 Jul–Aug;16(4):320–3
Prenylamine (segontin) induced resistant ventricular arrhythmias. Kulkarni VG, et al. **J Assoc Physicians India** 1981 Jun;29(6):439–42
Ventricular fibrillation associated with use of digitalis in a newborn infant with Wolff–Parkinson–White syndrome. Byrum CJ, et al. **J Pediatr** 1982 Sep;101(3):400–3
A model of ventricular fibrillation in the isolated rat heart. Woodward B. **J Pharmacol Methods** 1981 Nov;6(3):219–31
Ventricular fibrillation after intravenous atropine in a patient with atrioventricular block. Lázzari JO, et al. **PACE** 1982 Mar;5(2):196–200
[Physiopathologic mechanism of ventricular fibrillation induced by atropine. Report of two cases (author's transl)] Pistolese M, et al. **G Ital Cardiol** 1981;11(3):388–93 (Eng. Abstr.) **(Ita)**
[Role of catecholamine in activating glycogenolysis in experimental myocardial infarct complicated by ventricular fibrillation] Dolgova NP. **Kardiologiia** 1982;22(7):101–5 (Eng. Abstr.) **(Rus)**
[Ventricular fibrillation during disopyramide treatment] Edhag O, et al. **Lakartidningen** 1981 Oct 7;78(41):3597–600 **(Swe)**

COMPLICATIONS

QT prolongation and ventricular fibrillation in acute myocardial infarction. Forssell G, et al. **Acta Med Scand** 1981;210(4):309–11
Fatal cardiac complications of Wilson's disease. Kuan P. **Am Heart J** 1982 Aug;104(2 Pt 1):314–6
Initiation of atrial fibrillation by spontaneous ventricular premature beats in concealed Wolff–Parkinson–White syndrome. Shen EN, et al. **Am Heart J** 1982 May; 103(5):911–2
Ventricular fibrillation complicating temporary ventricular pacing in acute myocardial infarction: significance of right ventricular infarction. Sclarovsky S, et al. **Am J Cardiol** 1981 Dec;48(6):1160–6
Thyrotoxic periodic paralysis with ventricular fibrillation. Fisher J. **Arch Intern Med** 1982 Jul;142(7):1362–4
Determinants of arrhythmic death due to coronary spasm: effect of preexisting coronary artery stenosis on the incidence of reperfusion arrhythmia. Sheehan FH, et al. **Circulation** 1982 Feb;65(2):259–64
Acute myocardial infarction and ventricular fibrillation during pregnancy. Cortis BS, et al. **IMJ** 1981 Sep; 160(3):170–1, 174
Sudden Death. Guerci A. **West J Med** 1980 Oct; 133(4):313–20
[Acute phase of ventricular fibrillation in myocardial infarct. Importance of studying electrical systole by determining the QTc] Puddu PE, et al. **Arch Mal Coeur** 1981 Jun; 74(6):649–55 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Prevalence of late potentials in patients with and without ventricular tachycardia: correlation with angiographic findings. Breithardt G, et al. **Am J Cardiol** 1982 Jun; 49(8):1932–7
Recurrence of ventricular fibrillation in acute ischemic heart disease. Logan KR, et al. **Circulation** 1981 Dec;64(6):1163–7
Intracardiac extrastimulation studies: How to? Where? By whom? Surawicz B. **Circulation** 1982 Mar;65(3):428–31
Transient giant R waves in the early phase of acute myocardial infarction: association with ventricular fibrillation. Madias JE, et al. **Clin Cardiol** 1981 Nov–Dec; 4(6):339–49
Ventricular fibrillation masquerading as ventricular standstill. Ewy GA, et al. **Crit Care Med** 1981 Dec;9(12):841–4
Sudden death during ambulatory electrocardiography [letter] Møller M, et al. **Lancet** 1981 Nov 14;2(8255):1117–8
[The vectorcardiogram in prefibrillation ventricular tachycardia] Alella A, et al. **Boll Soc Ital Cardiol** 1980; 25(10):1227–30 **(Ita)**
[Changes in the Q–T interval in the acute phase of myocardial infarct] Cantelli I, et al. **Minerva Cardioangiol** 1981 Jul–Aug;29(7–8):417–22 (Eng. Abstr.) **(Ita)**
[Prognostic significance of early ventricular fibrillation for

the course of the hospital phase of myocardial infarct] Jarecki M, et al. **Pol Tyg Lek** 1982 Apr 5;37(4–5):109–11 (Eng. Abstr.) **(Pol)**

[Prodromes of ventricular fibrillation in acute myocardial infarct] Ostapiuk FE, et al. **Sov Med** 1981;(6):79–82 **(Rus)**

DRUG THERAPY

Treatment of refractory ventricular arrhythmias. High dose parenteral and oral bretylium tosylate. Noneman JW, et al. **Chest** 1982 Apr;81(4):517–9

Fab fragments of digoxin-specific antibodies used to reverse ventricular fibrillation induced by digoxin ingestion in a child. Zucker AR, et al. **Pediatrics** 1982 Sep;70(3):468–71

Slow channel calcium antagonists in the treatment of supraventricular tachycardia. Talano JV, et al. **Prog Cardiovasc Dis** 1982 Sep–Oct;25(2):141–56 (74 ref.)

[Intravenous administration of potassium hydrocarbonate in arrhythmia] Shul'tsev GP, et al. **Klin Med (Mosk)** 1981 Feb;59(2):73–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Increased ventricular fibrillation threshold with severe myocardial ischemia. Fisher J, et al. **Am Heart J** 1982 Jun; 103(6):966–72

Onset of atrial fibrillation during antidromic tachycardia: association with sudden cardiac arrest and ventricular fibrillation in a patient with Wolff–Parkinson–White syndrome. Cosio FG, et al. **Am J Cardiol** 1982 Aug; 50(2):353–9

Influence of direct current on the electrical activity of the heart and on its susceptibility to ventricular fibrillation. Hohnloser S, et al. **Basic Res Cardiol** 1982 May–Jun; 77(3):237–49

Initiation of ventricular fibrillation outside hospital in patients with acute ischaemic heart disease. Adgey AA, et al. **Br Heart J** 1982 Jan;47(1):55–61

Sustained ventricular fibrillation in deep accidental hypothermia. Nordrehaug JE. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):867–8

Ventricular fibrillation complicating pacemaker insertion in acute myocardial infarction. Mooss AN, et al. **Cathet Cardiovasc Diagn** 1982;8(3):253–9

Predictors of ventricular fibrillation or cardiac arrest in patients hospitalized for acute myocardial infarction. Tonascia J, et al. **Clin Cardiol** 1981 Jul–Aug;4(4):168–71

Recurrent ventricular fibrillation after subarachnoid haemorrhage. Dose-related effect of lidocaine infusion. Pinciroli D, et al. **J Neurol** 1982;227(1):43–7

Coronary artery spasm causing myocardial infarction and ventricular fibrillation. Brown JM, et al. **Med J Aust** 1981 Jul 11;2(1):34–6

Atrial and ventricular vulnerability in a patient with the Wolff–Parkinson–White syndrome. Peters RW, et al. **PACE** 1981 Jan;4(1):17–22

[Role of catecholamines in the occurrence of ventricular fibrillation (author's transl)] Li GF. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):150–2 (Eng. Abstr.) **(Chi)**

[Recurrent short paroxysms of ventricular tachycardia and flutter–fibrillation due to hypopotassemia (author's transl)] Tao SQ. **Chung Hua Nei Ko Tsa Chih** 1981 Nov; 20(11):655–8 **(Chi)**

[Abnormal pacing following defibrillation – exit block after microdislocation of the electrode (author's transl)] Wehr M, et al. **Z Kardiol** 1980 Dec;69(12):840–4 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Prolonged Q–T syndrome. Report of a case with dominant heredity in a deaf-mute] Christensen O. **Ugeskr Laeger** 1982 Feb 15;144(7):472–5 (Eng. Abstr.) **(Dan)**

METABOLISM

Do calcium-dependent ionic currents mediate ischemic ventricular fibrillation? Clusin WT, et al. **Am J Cardiol** 1982 Feb 18;49(3):606–12

The interaction of calcium and cAMP and the relationship to ventricular vulnerability. Thandroyen FT, et al. **Basic Res Cardiol** 1981 Jul–Aug;76(4):449–52

MORTALITY

Long-term survival of patients with malignant ventricular arrhythmia treated with antiarrhythmic drugs. Graboys TB, et al. **Am J Cardiol** 1982 Sep;50(3):437–43

PATHOLOGY

[Myocardial morphology in fibrillation and defibrillation of the heart ventricles] Iudakova TM, et al. **Kardiologiia** 1981 Oct;21(10):72–5 (Eng. Abstr.) **(Rus)**

[Microelectrode study of spontaneous defibrillation of the heart ventricles] Kobrin VI, et al. **Kardiologiia** 1981 Oct; 21(10):67–71 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

A model of chronic ischemic arrhythmias: the relation between electrically inducible ventricular tachycardia, ventricular fibrillation threshold and myocardial infarct size. Gang ES, et al. **Am J Cardiol** 1982 Sep;50(3):469–77

Relation of the endocardial and epicardial ventricular fibrillation thresholds of the right and left ventricle. Horowitz LN, et al. **Am J Cardiol** 1981 Oct;48(4):698–701

Role of early cycle ventricular extrasystoles in initiation of ventricular tachycardia and fibrillation: evaluation of the R on T phenomenon during acute ischemia in a canine model. Naito M, et al. **Am J Cardiol** 1982 Feb 1; 49(2):317–22

Supra spinal influence on ventricular fibrillation threshold and cardiac stores of norepinephrine in the cat. Pande M, et al. **Arch Int Pharmacodyn Ther** 1982 Jan;255(1):117–30

Myocardial flow distribution. II : Empty beating heart, ventricular fibrillation and cardiac arrest. Mosca SM, et al. **Arch Int Physiol Biochim** 1981 Nov;89(4):357–64

The effects of diltiazem and reduced serum ionized calcium on ischemic ventricular fibrillation in the dog. Clusin WT, et al. **Circ Res** 1982 Apr;50(4):518–26

Cerebral and hemodynamic variables during cough-induced CPR in dogs. Bircher N, et al. **Crit Care Med** 1982 Feb; 10(2):104–7

Comparison between the ventricular fibrillation thresholds of spontaneously hypertensive and normotensive rats—investigation of antidysrhythmic drugs. Versailles JT, et al. **J Cardiovasc Pharmacol** 1982 May–Jun;4(3):430–5

Effect of antidysrhythmic and analgesic drugs on haemodynamics and fibrillatory threshold. Rashid S. **JPMA** 1981 Jul;31(7):141–5

Serial electrophysiological studies in a young patient with recurrent ventricular fibrillation. Belhassen B, et al. **PACE** 1981 Jan;4(1):92–9

Recurrent ventricular fibrillation associated with normal QT intervals. Shaw TR. **Q J Med** 1981 Autumn;50(200):451–62

Ventricular fibrillation in the cat: a model for global cerebral ischemia. Todd MM, et al. **Stroke** 1981 Nov–Dec; 12(6):808–15

A comparison of left ventricular volume–pressure relations of excised perfused canine hearts in isovolumic contraction, arrest and fibrillation. Maruyama Y, et al. **Tohoku J Exp Med** 1982 Feb;136(2):141–55

Hemodynamic response to exercise during chronic ventricular fibrillation and nonpulsatile biventricular bypass (BVB). Valdés F, et al. **Trans Am Soc Artif Intern Organs** 1981;27:449–53

[Suppression of increased sympathetic nervous system activity affecting the heart during acute myocardial ischemia] Vrána M, et al. **Vnitr Lek** 1981 Oct;27(10):1001–4 (Eng. Abstr.) **(Cze)**

[Myocardial protection of the homograft. III – Evaluation of ventricular fibrillations with hypothermic coronary perfusion (author's transl)] Parent R, et al. **Chir Pediatr** 1982 Jan–Feb;23(1):59–64 (Eng. Abstr.) **(Fre)**

[Effect of perfusion rate on the hemodynamics of animals resuscitated following prolonged cardiac fibrillation] Lanovenko II. **Fiziol Zh** 1981 Sep–Oct;27(5):668–75 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Ventricular fibrillation complicating acute myocardial infarction: reasons against the routine use of lidocaine. Carruth JE, et al. **Am Heart J** 1982 Sep;104(3):545–50

Suppression of ventricular fibrillation and positive inotropic action of bethanidine sulfate, a chemical analog of bretylium tosylate that is well absorbed orally. Bacaner MB, et al. **Am J Cardiol** 1982 Jan;49(1):45–55

Prophylactic lidocaine: uncertain benefits in emergency settings. Borak J, et al. **Ann Emerg Med** 1982 Sep; 11(9):493–6

Influence of propranolol isomers and atenolol on myocardial cyclic AMP, high energy phosphates and vulnerability to fibrillation after coronary artery ligation in the isolated rat heart. Lubbe WF, et al. **Cardiovasc Res** 1981 Dec; 15(12):690–9

Calcium antagonists prevent early post-infarction ventricular fibrillation. Fagbemi O, et al. **Eur J Pharmacol** 1981 Nov 5;75(4):179–85

Effects of prostacyclin (PGI2) on vulnerability to ventricular fibrillation in the normal and ischemic canine heart. Kowey PR, et al. **Eur J Pharmacol** 1982 May 7;80(1):83–91

Protective action of calcium channel antagonist agents against ventricular fibrillation in the isolated perfused rat heart. Thandroyen FT. **J Mol Cell Cardiol** 1982 Jan; 14(1):21–32

Should prophylactic antiarrhythmic drug therapy be used in acute myocardial infarction? Harrison DC, et al. **JAMA** 1982 Apr 9;247(14):2019–21

Lidocaine: antiarrhythmic panacea or cardiac cosmetic agent [editorial] Lown B. **JAMA** 1981 Nov 27;246(21):2482–3

Studies on the preventive method of lowered ventricular fibrillation threshold during experimental acute myocardial infarctions. A comparison between disopyramide phosphate and lidocaine. Hori Y, et al. **Jpn Heart J** 1981 Sep; 22(5):801–13

Lignocaine prophylaxis in acute myocardial infarction: an evaluation of randomised trials. DeSilva RA, et al. **Lancet** 1981 Oct 17;2(8251):855–8

How does lignocaine prevent ventricular fibrillation? [letter] Schapira AH. **Lancet** 1981 Nov 21;2(8256):1167–8

[Experimental sudden death models] Duchene-Marullaz P. **Bull Acad Natl Med (Paris)** 1981 May;165(5):619–25 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Primary VF during EEG in a psychiatric patient. Morrison D, et al. **Am Heart J** 1982 Jun;103(6):1081–3

REHABILITATION

[Physical training following myocardial infarct complicated by ventricular fibrillation] Gorbachenikov AA, et al. **Kardiologiia** 1982 Feb;22(2):97–10α (Eng. Abstr.) **(Rus)**

SURGERY

[Electrophysiological studies in the surgical treatment of ventricular tachyarrhythmias] Belhassen B, et al. **Harefuah** 1981 Dec 15;101(12):337–41 (Eng. Abstr.) **(Heb)**

THERAPY

Clinical transvenous cardioversion of recurrent life-threatening ventricular tachyarrhythmias: low energy synchronized cardioversion of ventricular tachycardia and termination of ventricular fibrillation in patients using a catheter electrode. Zipes DP, et al. **Am Heart J** 1982 May; 103(5):789–94

MAST augmentation of external cardiac compression: role of changing intrapleural pressure. Lee HR, et al. **Ann Emerg Med** 1981 Nov;10(11):560–5

The role of organized medicine in providing education about cardiopulmonary resuscitation. Crampton R. **Ann NY Acad Sci** 1982;382:324–9

Implantable automatic defibrillators: their potential in prevention of sudden coronary death. Mirowski M, et al. **Ann NY Acad Sci** 1982;382:371–80

Prevention of ventricular fibrillation by use of low-intensity electrical stimuli. Verrier RL, et al. **Ann NY Acad Sci** 1982; 382:355–70

Advances in the treatment of life-threatening ventricular rhythm disturbances. Ruffy R, et al. **Arch Intern Med** 1982 Sep;142(9):1697–1701

Defibrillation at a football stadium: an experiment with Brighton and Hove Albion. Jaggarao NS, et al. **Br Med J [Clin Res]** 1982 May 15;284(6327):1451–3

New South Wales intensive care ambulance system: outcome of patients with ventricular fibrillation. Sammel NL, et al. **Med J Aust** 1981 Nov 14;2(10):546–50

Pacemaker damage due to external countershock in patients with implanted cardiac pacemakers [letter] Alferness CA. **PACE** 1982 May;5(3):457–8

Pacemaker failure following external defibrillation. Gould L, et al. **PACE** 1981 Sep;4(5):575–7

Investigation of the possibilities of cardiac defibrillation by ultrasound. Smailys A, et al. **Resuscitation** 1981 Sep; 9(3):233–42

Pharmacologic and pathologic effects of an automatic implantable defibrillator. Deeb GM, et al. **Trans Am Soc Artif Intern Organs** 1981;27:1–6

Defibrillation in the calf with bidirectional trapezoidal wave shocks applied via chronically implanted epicardial electrodes. Schuder JC, et al. **Trans Am Soc Artif Intern Organs** 1981;27:467–70

[Ventricular fibrillation in the heart ambulance] Koster RW, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1595–600 (Eng. Abstr.) **(Dut)**

VENTRICULOGRAPHY, CEREBRAL

Neuroradiological findings in multiloculated hydrocephalus. Albanese V, et al. **Acta Neurochir (Wien)** 1982; 60(3–4):297–311

Contrast enhancement visualized by computerized tomography in acute multiple sclerosis. Weisberg L. **Comput Tomogr** 1981 Oct–Dec;5(4):293–300

Computed tomographic illustration of cavum vergae. Healy JF, et al. **CT** 1981 Sep;5(4):336–9

Intracerebral hematoma associated with ventricular catheter. Young RS, et al. **CT** 1981 Sep;5(4):333–5

Recanalization of Sylvian aqueduct. Bret J. **Eur J Radiol** 1981 Mar;1(1):67–70

Evaluation of cerebral ventricles by computed tomography in the first year of life. Naheedy MH, et al. **J Comput Assist Tomogr** 1982 Feb;6(1):51–3

Serial ventricular volume measurements: further insights into the aetiology and pathogenesis of benign intracranial hypertension. Reid AC, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul;44(7):636–40

Documentation of fourth ventricle entrapment by metrizamide ventriculography with CT scanning. Collada M Jr, et al. **J Neurosurg** 1981 Nov;55(5):838–40

Evaluation of periventricular hypodensity in experimental hydrocephalus by metrizamide CT ventriculography. Hiratsuka H, et al. **J Neurosurg** 1982 Feb;56(2):235–40

Diagnosis of intraventricular and cisternal cysticercosis by computerized tomography with positive intraventricular contrast medium. Madrazo I, et al. **J Neurosurg** 1981 Dec; 55(6):947–51

Intracranial pressure and cerebral arterial pulsatile flow measurement in neonatal intraventricular hemorrhage. Bada HS, et al. **J Pediatr** 1982 Feb;100(2):291–6

Cerebral ventricular size in twins discordant for schizophrenia. Reveley AM, et al. **Lancet** 1982 Mar 6; 1(8271):540–1

Cerebellar vermis dysplasia: diagnostic problems by CT. Curatolo P, et al. **Neuropediatrics** 1982 Feb;13(1):50

The evaluation of ventriculography as a supplement to computed tomography. Nakstad P, et al. **Neuroradiology** 1982;23(2):85–8

Evaluation and measurement of the normal ventricular and subarachnoid spaces by CT. Sabattini L. **Neuroradiology** 1982;23(1):1–5 (36 ref.)

Do we need ventriculography in the era of computed tomography? Wende S, et al. **Neuroradiology** 1982; 23(2):89–90

Ventriculography and cisternography with water-soluble contrast media in infants with myelomeningocele. Yamada H, et al. **Radiology** 1982 Apr;143(1):75–83

Trapped fourth ventricle in coccidioidal meningitis. Harrison HR, et al. **Surg Neurol** 1982 Mar;17(3):197–9

[Roentgen appearance of the normal fourth ventricle in positive contrast ventriculography (pantopaque and conray) (author's transl)] Li GX. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug;15(3):207–8 **(Chi)**

[Computed tomography and/or ventriculography? (author's transl)] Wende S, et al. **Radiologe** 1982 Jan;22(1):38–44 (Eng. Abstr.) **(Ger)**

[Ventriculography with a new water-soluble nonionic contrast medium – Iopamidol (author's transl)] Signorini E, et al. **Radiol Med (Torino)** 1981 Dec;67(12):957–64 **(Ita)**

[Experimental investigations on the effect of dimer-X and amipaque on the central nervous system after their use for cerebral ventriculography (author's transl)] Kun M, et al. **Pol Przegl Radiol** 1981 Nov-Dec;45(6):373–8 (Eng. Abstr.) **(Pol)**

METHODS

Evaluation of periventricular hypodensity in experimental hydrocephalus by metrizamide CT ventriculography. Hiratsuka H, et al. **J Neurosurg** 1982 Feb;56(2):235–40

Clinical applications of radionuclide cisternography. Barnes BD. **Prog Nucl Med** 1981;7:41–56

Cisternography of the posterior fossa with metrizamide. Kobayashi N, et al. **Radiology** 1981 Dec;141(3):819–21

[Gold chain technic for selective ventriculography (author's transl)] Wang ZQ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1982 Feb; 15(1):33–5 (Eng. Abstr.) **(Chi)**

[Examination of the cervicocranial area by metrizamide by injection at C1/2 (author's transl)] Kvíčala V, et al. **Cesk Radiol** 1982 Jan;36(1):14–9 (Eng. Abstr.) **(Cze)**

[A simple radiological technic for the localisation of foramen of Monro in plain skull x-rays (author's transl)] Siegfried J, et al. **Neurochirurgie** 1980;26(6):387–9 (Eng. Abstr.) **(Fre)**

[Computer tomographic ventriculography (author's transl)] Distelmaier P, et al. **ROFO** 1982 Apr;136(4):421–7 (Eng. Abstr.) **(Ger)**

[Measurements of the intracranial CSF spaces by computer tomography (author's transl)] Huber G. **ROFO** 1982 Jul; 137(1):42–7 (Eng. Abstr.) **(Ger)**

VENTURICIDINS see under **LACTONES**

VENULES see under **VEINS**

VERAPAMIL see **IPROVERATRIL**

VERATRIDINE see under **VERATRINE**

VERATRINE

ANALOGS & DERIVATIVES

Reflex cardiovascular changes with veratridine in the conscious dog. Barron KW, et al. **Am J Physiol** 1982 May; 242(5):H810–7

Veratridine as an amnestic agent in the domestic chick. Clifton PG. **Behav Neural Biol** 1981 Jul;32(3):295–307

An asymmetrical kinetic model for veratridine interactions with sodium channels in molluscan neurons. Gola M, et al. **Bull Math Biol** 1982;44(2):231–58

Toxin-induced activation of muscle hydrolases. Boegman RJ, et al. **Can J Physiol Pharmacol** 1982 Jan;60(1):87–91

The Bezold-Jarisch in the conscious dog. Zucker IH, et al. **Circ Res** 1981 Oct;49(4):940–8

Stimulation of Na+-dependent, veratridine-sensitive synaptosomal amino acid uptakes by serum albumin. Rhoads DE, et al. **J Neurochem** 1982 May;38(5):1305–10

Compartments of labeled and endogenous gamma-aminobutyric acid giving rise to release evoked by potassium or veratridine in rat cortical slices. Szerb JC, et al. **J Neurochem** 1981 Nov;37(5):1186–92

Calcium-dependent blockade of cardiac cyclic AMP accumulation by batrachotoxin and veratridine. Brown JH. **Mol Pharmacol** 1981 Jul;20(1):113–7

PHARMACODYNAMICS

Parameters of the potential changes induced by cevadine on striated frog muscle membrane. Dankó M, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):103–18

Parameters of the potential changes induced by cevadine on striated frog muscle membrane. Dankó M, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):103–18

VERATRUM

[Veratrum album poisoning (author's transl)] Hruby K, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):517–9 (Eng. Abstr.) **(Ger)**

VERATRUM ALKALOIDS

ANTAGONISTS & INHIBITORS

[Effect of gamma-aminobutyric acid on protoveratrine-induced Ca++-dependent release of 3H-noradrenaline from synaptosomes of the mesodiencephalic region of the rat brain] Armenian AR, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1265–8 **(Rus)**

PHARMACODYNAMICS

Parameters of the potential changes induced by cevadine on striated frog muscle membrane. Dankó M, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):103–18

Parameters of the potential changes induced by cevadine on striated frog muscle membrane. Dankó M, et al. **Acta Physiol Acad Sci Hung** 1981;58(2):103–18

Neuromuscular functions in esophageal smooth muscle of opossums as differently affected by veratrum alkaloids. Christensen J, et al. **Gastroenterology** 1981 Nov; 81(5):866–71

New substances with cytotoxic and antitumor effects. IV. In vitro effect of some veratrum alkaloids and their derivatives on leukemia P388 cells. Fuska J, et al. **Neoplasma** 1981;28(6):709–14

POISONING

[Veratrum album poisoning (author's transl)] Hruby K, et al. **Wien Klin Wochenschr** 1981 Sep 4;93(16):517–9 (Eng. Abstr.) **(Ger)**

VERBAL BEHAVIOR

see related
LANGUAGE DISORDERS
SPEECH DISORDERS

Effects of camera cuts and music on selective attention and verbal and motor imitation by mentally retarded adults. Gadberry S, et al. **Am J Ment Defic** 1981 Nov;86(3):309–16

The language of paranoia--meeting place of mental events and verbal constructs. Lorenz M. **Am J Psychiatry** 1982 Mar;139(3):319–20

The language of paranoia. Oxman TE, et al. **Am J Psychiatry** 1982 Mar;139(3):275–82

Verbal interaction patterns of depressed and non-depressed institutionalized mentally retarded adults. Schloss PJ. **Appl Res Ment Retard** 1982;3(1):1–12

Characterizing verbal interaction among moderately mentally retarded peers: some methodological issues. Zetlin AG, et al. **Appl Res Ment Retard** 1980;1(3–4):209–25

Referent communication of chronic schizophrenics and chronic alcoholics under simultaneous and successive task presentation. Heim G, et al. **Arch Psychiatr Nervenkr** 1981; 230(4):325–37

National survey: preferred language elicitation procedures used in five age categories. Atkins CP, et al. **ASHA** 1982 May;24(5):321–3

Speech pause time: a marker of psychomotor retardation among endogenous depressives. Greden JF, et al. **Biol Psychiatry** 1981 Sep;16(9):851–9

Verbal self-correction behaviors of fluent and nonfluent aphasic subjects. Marshall RC, et al. **Brain Lang** 1982 Mar; 15(2):292–306

Alexithymic characteristics in patients with inflammatory bowel disease. Taylor G, et al. **Can J Psychiatry** 1981 Nov; 26(7):470–4

Sexual variation in behaviour during spatial and verbal tasks. McGlone J. **Can J Psychol** 1981 Sep;35(3):277–82

Continuities in the structural expression of affectivity: a developmental comparison. Webb TE, et al. **Child Psychiatry Hum Dev** 1981 Fall;12(1):40–5

Presentation of a medical lecture. Weir B. **Clin Neurosurg** 1981;28:211–24

Psychosomatic disease and neurosis: a study of dyadic verbal behavior. Lolas F, et al. **Compr Psychiatry** 1982 Jan-Feb; 23(1):19–24

Idioms of distress: alternatives in the expression of psychosocial distress: a case study from South India. Nichter M. **Cult Med Psychiatry** 1981 Dec;5(4):379–408

Parent-child interaction in the laboratory: effects of role, task, and child behavior pathology on verbal response mode use. Stiles WB, et al. **J Abnorm Child Psychol** 1981 Jun;9(2):229–41

'Voices of concern'-a study of verbal communication about patients in a psychiatric day unit. Allen H. **J Adv Nurs** 1981 Sep;6(5):355–62

An ecobehavioral examination of a simple strategy for increasing mealtime language in residential facilities. VanBiervliet A, et al. **J Appl Behav Anal** 1981 Fall; 14(3):295–305

Nursery nurses and nursery teachers I: Their assessment of children's verbal-social behaviour. Gipps C. **J Child Psychol Psychiatry** 1982 Jul;23(3):237–54

Echolalic and spontaneous phrase speech in autistic children. Howlin P. **J Child Psychol Psychiatry** 1982 Jul;23(3):281–93

A factor analytic study of the construct validity of the verbal concept attainment test. Bornstein RA. **J Clin Neuropsychol** 1982 May;4(1):43–50

Prediction of achievement in reading, self-esteem, auding, and verbal language by adult illiterates in a psychoeducational tutorial program. Gold PC, et al. **J Clin Psychol** 1982 Jul;38(3):513–22

Analyses of client variables in a series of psychotherapy sessions with two child clients. Mook B. **J Clin Psychol** 1982 Apr;38(2):263–74

The verbal environment provided by hearing mothers for their young deaf children. Cheskin A. **J Commun Disord** 1981 Nov;14(6):485–96

Modification of psychotic speech with mentally retarded patients. Stephens RM, et al. **J Ment Defic Res** 1981 Sep; 25(Pt 3):187–97

Interference between concurrent speaking and sequential finger tapping: both hands show a performance decrement under both visual and non-visual guidance. Thornton CD, et al. **Neuropsychologia** 1982;20(2):163–9

Anxiety and speech production: some support for the inverted U-shaped function. Evans PD, et al. **Percept Mot Skills** 1982 Jun;54(3):808–10

Achievement in reading, verbal language, listening comprehension and locus of control of adult illiterates in a volunteer tutorial project. Gold PC, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1243–50

Training parents of language disordered children: language form vs communicative style. Spiegel BB, et al. **Percept Mot Skills** 1982 Apr;54(2):650

The emergence of meanings and intentions. Mothers' dialogue with normal and language-imparied children. Cohen DJ, et al. **Psychiatr Clin North Am** 1981 Dec; 4(3):489–508

Speaking, thinking, and blinking. Karson CN, et al. **Psychiatry Res** 1981 Dec;5(3):243–6

Speech, language, and the vocal-auditory connection. Freedman DA. **Psychoanal Study Child** 1981;36:105–27

Effects of distance from interviewer and intimacy of topic on verbal productivity and anxiety. Rogers P, et al. **Psychol Rep** 1981 Aug;49(1):303–7

A review of the alexithymia concept. Lesser IM. **Psychosom Med** 1981 Dec;43(6):531–43 (60 ref.)

Parent talk at intensive care unit rounds. Frader JE, et al. **Soc Sci Med [E]** 1981 Nov;15(4):267–74

[The physician in conversation with patient and partner] Hoos AM. **Ned Tijdschr Geneeskd** 1981 Oct 24; 125(43):1754–9 (Eng. Abstr.) **(Dut)**

[Speech and touch in gynecology] de Senarclens M, et al. **Rev Med Suisse Romande** 1982 Jan;102(1):13–20 **(Fre)**

[Reactive behavior of parents in fictive parent-child conflict situations] Mladek G. **Acta Paedopsychiatr (Basel)** 1982 Mar;48(1):27–32 (Eng. Abstr.) **(Ger)**

[Methodological considerations in the assessment of similarities between trait adjectives: how to use the Semantic Differential technique (author's transl)] Prester HG, et al. **Arch Psychol (Frankf)** 1980;133(1):1–22 (Eng. Abstr.) **(Ger)**

[The function of visual imagery and effect of input modality in spatial transformation task by blind and sighted adults (author's transl)] Sasaki M. **Shinrigaku Kenkyu** 1981 Dec; 52(5):281–8 (Eng. Abstr.) **(Jpn)**

[Verbal memory disorders in local lesions of the right and left hemispheres] Mikadze IuV. **Zh Nevropatol Psikhiatr** 1981;81(12):1847–50 (Eng. Abstr.) **(Rus)**

[Evaluation of word association in schizophrenic psychoses] Ayuso Gutiérrez JL. **Actas Luso Esp Neurol Psiquiatr** 1980 Mar-Apr;8(2):83–96 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

[Tiapride and verbal or motor stereotypies (author's transl)] Morel-Maroger A. **Sem Hop Paris** 1981 Apr 18–25; 57(15–16):825–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Laterality differences in recognition of kana and kanji words. Shimizu A, et al. **Acta Neurol (Napoli)** 1981 Dec; 36(6):705–20 (44 ref.)

A deinstitutionalized retarded adult's use of communication functions in a natural setting. Owings NO, et al. **Br J Disord Commun** 1981 Sep;16(2):119–28

Reinforcement of vocal correlates of auditory hallucinations by auditory feedback: a case study. Green P, et al. **Br J Psychiatry** 1981 Sep;139:204–8

Does sex influence laterality differences in recognition of visually-presented kana or kanji words? Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):417–23

Functional asymmetry of the cerebral hemispheres: differences in the description of visual objects. Leushina LI, et al. **Hum Physiol** 1981 May-Jun;7(3):185–95

Role of the dominant and nondominant hemispheres in the perception and naming of color. Nikolaenko NN. **Hum Physiol** 1981 May-Jun;7(3):178–84

Tachistoscopic recognition of Kana and Hangul words, handedness and shift of laterality difference. Shimizu A, et al. **Neuropsychologia** 1981;19(5):665–73

Pain: a verbal response. Schoenfeld WN. **Neurosci Biobehav Rev** 1981 Fall;5(3):385–9

Fourier analysis of covert speech behavior. A progress report. McGuigan FJ, et al. **Pavlov J Biol Sci** 1982 Jan-Mar;17(1):49–52

[Mechanisms of the of perception of written speech]

Budohoska W, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):202–8 **(Rus)**

[Dynamics of interhemispheric functional relations during formation of a functional connection between a visual signal and an unrecognized word] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):899–908 (Eng. Abstr.) **(Rus)**

VERBAL LEARNING

see related
LANGUAGE DISORDERS

Brain potentials, perceptual mechanisms and semantic categorisation. Boddy J, et al. **Biol Psychol** 1981 Feb; 12(1):43–61

The influence of Hangul learning upon laterality differences in Hangul word recognition by native Japanese subjects. Endo M, et al. **Brain Lang** 1981 Sep;14(1):114–9

Spelling dyslexia: a form of cross-cuing. Speedie LJ, et al. **Brain Lang** 1982 Mar;15(2):340–52

Monaural recall and the right–ear advantage. Taylor HG, et al. **Brain Lang** 1982 Mar;15(2):334–9

Word-retrieval in aphasia: an investigation of semantic complexity. Drummond SS, et al. **Cortex** 1981 Apr; 17(1):63–82

A verbal semantic deficit in the alcoholic Korsakoff syndrome. Kovner R, et al. **Cortex** 1981 Oct;17(3):419–26

Does age of menarche affect the ultimate level of verbal and spatial skills? Strauss E, et al. **Cortex** 1981 Jul;17(2):323–6

Verbal mediation deficits: relation to behavior and achievement in children. Richman LC, et al. **J Abnorm Psychol** 1981 Apr;90(2):99–104

Word game bingo: a behavioral treatment package for improving textual responding to sight words. Kirby KC, et al. **J Appl Behav Anal** 1981 Fall;14(3):317–26

Children with reading and spelling retardation: functioning of whole–word and correspondence–rule mechanisms. Jorm AF. **J Child Psychol Psychiatry** 1981 Apr;22(2):171–8

An analysis of age differences in immediate recall. Parkinson SR, et al. **J Gerontol** 1982 Jul;37(4):425–31

The impairment of verbal semantic memory: a single case study. Coughlan AK, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1079–83

Effect of laterality of orientation on verbal memory. Lempert H, et al. **Neuropsychologia** 1982;20(2):211–4

Sex and cultural differences in children's spatial and verbal memory span. Orsini A, et al. **Percept Mot Skills** 1981 Aug; 53(1):39–42

Modification of a spelling disorder by increasing teacher's instruction time. Cohen R, et al. **Psychol Rep** 1981 Apr; 48(2):405–6

Visual memory and phonological skills in reading and spelling backwardness. Bradley L, et al. **Psychol Res** 1981; 43(2):193–9

Visual and name coding in dyslexic children. Ellis N. **Psychol Res** 1981;43(2):201–18

Spelling, reading and adult illiteracy. Perin D. **Psychol Res** 1981;43(2):245–57

The utilization of intraword structure in poor readers: experimental evidence and a training program. Scheerer–Neumann G. **Psychol Res** 1981;43(2):155–78

The effect of a dual level word list on schizophrenic free recall. Lutz J, et al. **Schizophr Bull** 1981;7(3):509–15

[Possibilities and limitations of recuperation in verbal communication in infantile autism] Faur S. **Rev Med Interna [Neurol Psihiatr]** 1981 Jul–Sep;26(3):225–7 **(Rum)**

DRUG EFFECTS

Learning ability and methylphenidate (Ritalin) plasma concentration in hyperkinetic children. A preliminary investigation. Kupietz SS, et al. **J Am Acad Child Psychiatry** 1982 Jan;21(1):27–30

Effects of vasopressin on memory and new learning in a brain–injured population. Fewtrell WD, et al. **Psychol Med** 1982 May;12(2):423–5

PHYSIOLOGY

Verbal and nonverbal learning ability of Parkinson patients before and after unilateral ventrolateral thalamotomy. Kocher U, et al. **Appl Neurophysiol** 1982;45(3):311–6

Acquisition and retention of categorized material in normal aging and senile dementia. McCarthy M, et al. **Exp Aging Res** 1981 Summer;7(2):127–35

Verbal and visuospatial performance and aging: a neuropsychological approach. Shelton MD, et al. **J Gerontol** 1982 May;37(3):336–41

VERMIFUGES see **ANTHELMINTICS**

VERNAMYCINS see **VIRGINIAMYCINS**

VERNIX CASEOSA

ANALYSIS

Variability in the fatty acid composition of wax esters from vernix caseosa and its possible relation to sebaceous gland activity. Stewart ME, et al. **J Invest Dermatol** 1982 Apr; 78(4):291–5

VERNOLEPIN see under **SESQUITERPENES**

VERRUCA see **WARTS**

VERSION, FETAL see under **DELIVERY**

VERTEBRAL ARTERY

Monitoring direction of vertebral artery blood flow by Doppler shift ultrasound in patients with suspected 'subclavian steal'. Liljeqvist L, et al. **Acta Chir Scand** 1981; 147(6):421–4

New catheter for tortuous vertebral artery. Guinto FC Jr. **AJNR** 1982 Jan–Feb;3(1):85–6

Spinal arteriovenous malformations in an infant: unusual symptomology and pathology. Binder B, et al. **Dev Med Child Neurol** 1982 Jun;24(3):380–5

Internal carotid and vertebral artery occlusion in pediatric stroke. Malik GK, et al. **Indian Pediatr** 1982 Jan; 19(1):99–100

Vertebro–basilar ischaemia with thrombosis of the vertebral artery: report of two cases with embolism. George B, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):91–3

Complications of detachable balloon catheter technique in the treatment of traumatic intracranial arteriovenous fistulas. Barrow DL, et al. **J Neurosurg** 1982 Mar; 56(3):396–403

Dissecting hematoma of the cervical vertebral artery. Case report. Goldstein SJ. **J Neurosurg** 1982 Mar;56(3):451–4

Nontraumatic dissecting aneurysm of the vertebral artery. Case report. Senter HJ, et al. **J Neurosurg** 1982 Jan; 56(1):128–30

Incidence of asymptomatic extracranial arterial disease. Hennerici M, et al. **Stroke** 1981 Nov–Dec;12(6):750–8

[Giant aneurysm of both vertebral arteries. Drop–attacks (author's transl)] Gautier JC, et al. **Rev Neurol (Paris)** 1982; 138(1):63–7 (Eng. Abstr.) **(Fre)**

[Arteriovenous fistula of the A. vertebralis after catheterization of V. jugularis interna (author's transl)] Beeger R, et al. **Rontgenblatter** 1982 Sep;35(9):348–9 (Eng. Abstr.) **(Ger)**

[Brain–stem auditory evoked potentials (BAEPs) and computerized tomography (CT scans) in patients with reversible ischemic attacks (RIAs) in the vertebro–basilar system (author's transl)] Rossi L, et al. **Riv Patol Nerv Ment** 1980 Nov–Dec;101(6):272–8 (Eng. Abstr.) **(Ita)**

[Acute cerebral circulatory disorders of an ischemic nature in young persons with an accessory cervical rib] Nikiforov BM, et al. **Zh Nevropatol Psikhiatr** 1982;82(5):34–7 (Eng. Abstr.) **(Rus)**

[Surgical vascular diseases of the vertebrobasilar circulation] Palkovič S, et al. **Rozhl Chir** 1980 Nov;59(11):770–3 (Eng. Abstr.) **(Slo)**

ABNORMALITIES

Ipsilateral subclavian steal in association with aberrant origin of the left vertebral artery from the aortic arch. Holder J, et al. **AJNR** 1981 Sep–Oct;2(5):411–3

Aberrant vertebral artery originating from the descending aorta: a new congenital steal syndrome in coarctation. Stoesslein F, et al. **Eur J Radiol** 1982 May;2(2):157–9

Bilateral fenestration of the vertebral artery in a case with cerebral aneurysm. Shigemori M, et al. **Kurume Med J** 1981;28(1):79–82

Bilateral bone erosion of the cervical vertebrae caused by tortuosity of the vertebral arteries. Salvador MR, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):212–3

Familial intracranial aneurysms associated with rare cerebrovascular anomalies—case reports] Shigemori M, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):77–80

[A case of the right vertebral artery as the last branch of the aortic arch (author's transl)] Sakamoto H. **Kaibogaku Zasshi** 1980 Oct;55(5):503–8 (Eng. Abstr.) **(Jpn)**

[A case of persistent primitive first cervical intersegmental artery (proatlantal artery II) (author's transl)] Murayama K, et al. **No To Shinkei** 1981 Dec;33(12):1195–200 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The relations of the superior pole of the stellate ganglion to the vertebral artery. Katritsis ED, et al. **Anat Anz** 1981; 150(3):259–63

[Origin of the vertebral artery in 55 subjects in West Africa] Sylla S, et al. **Dakar Med** 1981;26(3):324–30 (Eng. Abstr.) **(Fre)**

INJURIES

Vertebral artery injury: case report and review of operative approaches. Stapleford RG, et al. **Henry Ford Hosp Med J** 1981;29(3):148–52

[Longitudinal tears of the vertebral arteries. Calculations and experimental findings concerning the conditions (author's transl)] Krauland W, et al. **Z Rechtsmed** 1981;87(1–2):19–26 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Vertebrobasilar insufficiency secondary to vertebral artery occlusion froma fibrous band. Case report. Mapstone T, et al. **J Neurosurg** 1982 Apr;56(4):581–3

Spontaneous dissecting aneurysm of the extracranial vertebral artery. Hugenholtz H, et al. **Neurosurgery** 1982 Jan; 10(1):96–100

[Trigeminal neuralgia and hemifacial spasm caused by the compression of tortuous vertebro–basilar system—a case report (author's transl)] Niizuma H, et al. **No Shinkei Geka** 1981 Sep;9(10):1167–70 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Numerical analysis of blood flow in the vertebral artery. Fukushima T, et al. **J Biomech Eng** 1982 May;104(2):143–7

[Vertebro–basilar circulation (author's transl)] Ishikawa S. **No Shinkei Geka** 1981 May;9(6):657–67 (55 ref.) **(Jpn)**

PHYSIOPATHOLOGY

Noninvasive diagnosis of reversed vertebral blood flow in subclavian steal syndrome by measurement of a delay in pulse–wave propagation in the upper extremities. Fischer M, et al. **Vasa** 1982;11(1):32–5

[Evolutionary–clinical analysis of blood circulation in the vertebrobasilar arterial system] Vinnitskiĭ AR. **Vrach Delo** 1981 Sep;(9):5–10 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Vascular alterations of extracranial arteries after radiotherapy of tumors in head and neck (author's transl)] Scholz E, et al. **Strahlentherapie** 1982 May;158(5):290–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The relationship between the caudolateral pontine syndrome and the anterior inferior cerebellar artery. Perneczky A, et al. **Acta Neurochir (Wien)** 1981;58(3–4):245–57

Cerebral arterial ectasia with vertebral aneurysm. Appel LM, et al. **J Belge Radiol** 1981;64(5):415–20

The role of vertebral angiography in the investigation of third nerve palsy. Barnes MP, et al. **J Neurol Neurosurg Psychiatry** 1981 Dec;44(12):1153–5

Arteriovenous fistula in patients with neurofibromatosis. Deans WR, et al. **Radiology** 1982 Jul;144(1):103–7

[Occlusion of vertebral artery. About 33 cases. Therapeutic implications (authors' translation)] George B, et al. **Neurochirurgie** 1981;27(3):167–71 (Eng. Abstr.) **(Fre)**

[Brachial countercurrent angiography for the representation of vertebrobasilar blood flow] Möller WD. **Med Welt** 1982 Jan 29;33(4):137–8 **(Ger)**

[Visual hallucinations of hypnagogic character: a possible complication of vertebral angiography] Baciocco A, et al. **Riv Neurobiol** 1980 Apr–Jun;26(2):183–92 (Eng. Abstr.) **(Ita)**

[Vertebral angiography of cerebellar astrocytoma–tumor stain, tumor circulation, CT and angiography in diagnosis (author's transl)] Kitaoka K, et al. **No Shinkei Geka** 1982 May;10(5):501–9 (Eng. Abstr.) **(Jpn)**

[Vertebral angiography of cervical dumbbell neurinomas (author's transl)] Saeki N, et al. **No Shinkei Geka** 1981 Oct; 9(11):1287–94 (Eng. Abstr.) **(Jpn)**

[Giant aneurysms of the bilateral vertebral arteries with serpentine vascular channels–a case report (author's transl)] Kuwabara S, et al. **No To Shinkei** 1981 Dec;33(12):1227–34 (Eng. Abstr.) **(Jpn)**

SURGERY

Aneurysms of the vertebro–basilar system: clinical analysis and follow–up results. Tiyaworabun S, et al. **Acta Neurochir (Wien)** 1982;63(1–4):221–9

Carotid and vertebral artery surgery, EEG monitoring, and the operating room. Anderson EM, et al. **Adv Neurol** 1981; 30:361–77

Vertebral artery surgery: historical development, basic concepts of brain hemodynamics, and clinical experience of 102 cases. Carney AL. **Adv Neurol** 1981;30:249–82

Arteriovenous vertebral fistulae: cure by combination of operation and detachable intravascular balloon. Berguer R, et al. **Ann Surg** 1982 Jul;196(1):65–8

Ruptured anterior spinal artery aneurysm: repair via a posterior approach. Moore DW, et al. **Neurosurgery** 1982 May;10(5):626–30

Vertebral artery disease: radiological evaluation medical management, and microsurgical treatment. Pritz MB, et al. **Neurosurgery** 1981 Nov;9(5):524–30

Cervical vertebral angioplasty for brain stem ischemia. Imparato AM, et al. **Surgery** 1981 Nov;90(5):842–52

[Radical surgery for a multipedunculated vertebral fistula by a combined sequential endo– and exovascular approach (author's transl)] Picard L, et al. **Rev Otoneuroophtalmol** 1981 Mar–Apr;53(2):167–75 (Eng. Abstr.) **(Fre)**

[Surgery for vertebral artery aneurysm –suboccipital approach (author's transl)] Sugita K, et al. **No Shinkei Geka** 1982 Feb 10;10(2):129–33 **(Jpn)**

VERTEBRAL ARTERY INSUFFICIENCY see **VERTEBROBASILAR INSUFFICIENCY**

VERTEBRATE VIRUSES

Interferon in rabbit sera after inoculation with Treponema pallidum suspensions contaminated with PED virus.

Fennestad KL, et al. **Br J Vener Dis** 1982 Jun;58(3):143–6
Occurrence of viruses in human stools in the Ahaggar (Alberia). Puel JM, et al. **J Hyg (Lond)** 1982 Aug; 89(1):171–4
[Proceedings of the scientific session of the Italian Society of Microbiology, Pisa, 8–9 December 1979] **Ann Sclavo** 1981 Mar–Apr;23(2):192–251 **(Ita)**

DRUG EFFECTS

[On the biological action of transition metal complexes. 2. The antiviral activity of 4-methyl-2-amino-pyridine-palladium-chloride (IV)] Tonew M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):421–30 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Role of proteolysis in the reproduction of animal and human viruses and the antiviral activity of protease inhibitors] Lozitskiĭ VP, et al. **Usp Sovrem Biol** 1982 May–Jun; 93(3):352–62 (115 ref.) **(Rus)**

GENETICS

Introduction: elucidating mechanisms of eukaryotic genetic expression by studying animal viruses. Shatkin AJ. **Curr Top Microbiol Immunol** 1981;93:1–4
Case-by-case evaluation of recombinant DNA research involving eukaryotic viruses. **Recomb DNA Tech Bull** 1982 Mar;5(1):44–7

IMMUNOLOGY

Viral antibody studies of laboratory dogs with diarrheal disease. Binn LN, et al. **Am J Vet Res** 1981 Oct; 42(10):1665–7
Serological evidence of some bovine viruses in the caribou (Rangifer tarandus caribou) in Quebec. Elazhary MA, et al. **J Wildl Dis** 1981 Oct;17(4):609–12
Serologic survey for selected microbial agents in mammals from Alberta, 1976. Zarnke RL, et al. **J Wildl Dis** 1981 Jul;17(3):453–61
[Virus infections of the central nervous system. Demonstration of viral antigens in paraffin-embedded autopsy material by the PAP technic (Sternberger)] Löhler J. **Acta Histochem [Suppl] (Jena)** 1982;25:107–11 **(Ger)**

ISOLATION & PULIFICATION

[Variation of diarrhea viruses detected in Japan with special reference to spherical viruses other than rotaviruses (author's transl)] Ishida N, et al. **Uirusu** 1981 Dec; 31(2):167–70 **(Jpn)**

RADIATION EFFECTS

Inactivation by gamma irradiation of animal viruses in simulated laboratory effluent. Thomas FC, et al. **Appl Environ Microbiol** 1982 May;43(5):1051–6
Gamma ray inactivation of some animal viruses. Thomas FC, et al. **Can J Comp Med** 1981 Oct;45(4):397–9
[Thermo-inactivation of viruses with microwaves] Mahnel H, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):509–17 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Rapid detection of human viruses in faeces by a simple and routine immune electron microscopy technique. Berthiaume L, et al. **J Gen Virol** 1981 Jul;55(Pt 1):223–7

VERTEBRATE VIRUSES, UNCLASSIFIED

Astrovirus-associated epidemic gastroenteritis in Japan. Konno T, et al. **J Med Virol** 1982;9(1):11–7

ANALYSIS

Identification of a nonvirion protein of Aleutian disease virus: mink with Aleutian disease have antibody to both virion and nonvirion proteins. Bloom ME, et al. **J Virol** 1982 Aug; 43(2):608–16

GROWTH & DEVELOPMENT

Aleutian disease in ferrets. Porter HG, et al. **Infect Immun** 1982 Apr;36(1):379–86
Serial propagation of astrovirus in tissue culture with the aid of trypsin. Lee TW, et al. **J Gen Virol** 1981 Dec;57(Pt 2):421–4

IMMUNOLOGY

Mitogen- and viral antigen-induced transformation of lymphocytes from normal mink and from mink with progressive or nonprogressive Aleutian disease. An SH, et al. **Infect Immun** 1981 Oct;34(1):111–4

ISOLATION & PURIFICATION

Detection of astroviruses in feces of a cat with diarrhea. Brief report. Hoshino Y, et al. **Arch Virol** 1981;70(4):373–6
Creutzfeldt-Jakob disease virus isolations from the Gerstmann-Sträussler syndrome with an analysis of the various forms of amyloid plaque deposition in the virus-induced spongiform encephalopathies. Masters CL, et al. **Brain** 1981 Sep;104(3):559–88
Purification and characterization of ovine astrovirus. Herring AJ, et al. **J Gen Virol** 1981 Mar;53(Pt 1):47–55

PHYSIOLOGY

[Creutzfeld-Jakob disease: recent advances; biology of unconventional viruses (author's transl)] Cathala F, et al. **Sem Hop Paris** 1981 Sep 8–15;57(29–32):1338–46 (50 ref.) (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Astrovirus in autumn infantile gastroenteritis. Xu AY, et al. **Chin Med J [Engl]** 1981 Oct;94(10):659–62
The 33- to 39-nm virus-like particles, tentatively designed as Sapporo agent, associated with an outbreak of acute gastroenteritis. Kogasaka R, et al. **J Med Virol** 1981; 8(3):187–93

VERTEBRATES

ANATOMY & HISTOLOGY

Comparative anatomy of the extrinsic ocular muscles in vertebrates. Isomura G. **Anat Anz** 1981;150(5):498–515
Electron microscope study of vertebrate liver innervation. Tsuneki K, et al. **Arch Histol Jpn** 1981 Mar;44(1):1–13
Comparative anatomy of the serotoninergic systems. Parent A. **J Physiol (Paris)** 1981;77(2–3):147–56
[Elements of anatomy] Preuss F. **Anat Histol Embryol** 1982 Mar;11(1):91–5 (Eng. Abstr.) **(Ger)**
[Evolution of the structural and functional principles of vertebrate lungs (author's transl)] Duncker HR. **Verh Anat Ges** 1981;75(Pt 1):279–303 (Eng. Abstr.) **(Ger)**
[Study of the granule-containing cells of the arteries of the base of the brain of vertebrates and humans] Markina LD. **Arkh Anat Gistol Embriol** 1981 Sep;81(9):66–74 (Eng. Abstr.) **(Rus)**

BLOOD

Differences in plasma cholesteryl ester transfer activity in sixteen vertebrate species. Ha YC, et al. **Comp Biochem Physiol [B]** 1982;71(2):265–9
Evolution of serum lipoproteins in the animal series. Cucu F, et al. **Med Interne** 1981 Jul–Sep;19(3):299–306
Preparation of blood hemoglobins of vertebrates. Riggs A. **Methods Enzymol** 1981;76:5–29

EMBRYOLOGY

The origin of efferent labyrinthine fibres: a comparative study in vertebrates. Strutz J. **Arch Otorhinolaryngol** 1982; 234(2):139–43

GENETICS

Inter-locus allozyme mobility correlations and species divergence. Ward RD, et al. **Experientia** 1982 Jun 15; 38(6):654–5
Vertebrate DNAs contain nucleotide sequences related to the transforming gene of avian myeloblastosis virus. Bergmann DG, et al. **J Virol** 1981 Nov;40(2):450–5
Distribution and immunochemical character of neurotensin-like material in representative vertebrates and invertebrates: apparent conservation of the COOH-terminal region during evolution. Carraway R, et al. **Peptides (Fayetteville)** 1982 Mar–Apr;3(2):115–23
Perspectives on the evolution of hemoglobin. Coates M, et al. **Tex Rep Biol Med** 1980–81;40:9–22 (76 ref.)

GROWTH & DEVELOPMENT

[Postembryonic organ growth in vertebrates and a possible cause of aging] Frolov IuP. **Izv Akad Nauk SSSR [Biol]** 1981 Sep–Oct;(5):742–50 (Eng. Abstr.) **(Rus)**

METABOLISM

Ratio of central nervous system to body metabolism in vertebrates: its constancy and functional basis. Mink JW, et al. **Am J Physiol** 1981 Sep;241(3):R203–12
Phylogeny and ontogeny of the phosphoglycerate mutases—IV. Distribution of glycerate-2,3-P2 dependent and independent phosphoglycerate mutases in algae, fungi, plants and animals. Carreras J, et al. **Comp Biochem Physiol [B]** 1982;71(4):591–7
The comparative isozymology of vertebrate hexokinases. Ureta T. **Comp Biochem Physiol [B]** 1982;71(4):549–55 (57 ref.)
Comparative aspects of cardiac adrenoceptors: characterization of the beta 2-adrenoceptor as a common 'adrenaline'-receptor in vertebrate hearts. Stene-Larsen G. **Comp Biochem Physiol [C]** 1981;70(1):1–12 (94 ref.)
Myelin gangliosides in vertebrates. Cochran FB Jr, et al. **J Neurochem** 1982 Sep;39(3):773–9
VIP immunoreactivity in enteric nerves and endocrine cells of the vertebrate gut. Reinecke M, et al. **Peptides (Fayetteville)** 1981;2 Suppl 2:149–56
[Modulation of T4 to T3 conversion. Comparative aspects (author's transl)] Leloup I, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):454–60 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

Bloodmeal sources of Aedes triseriatus and Aedes vexans in a southern Wisconsin forest endemic for La Crosse encephalitis virus. Burkot TR, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):376–81
[Classification of nematode parasites of vertebrate animals] Ryzhikov KM, et al. **Parazitologiia** 1981 Nov–Dec; 15(6):510–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Comparative physiology of insect renal function. Phillips J. **Am J Physiol** 1981 Nov;241(5):R241–57 (176 ref.)
Excretion-retention diagram to evaluate gas exchange properties of vertebrate respiratory systems. Zwart A, et al. **Am J Physiol** 1982 Sep;243(3):R329–38
The evolutionary development of vertebrate thermoregulation. Crawshaw LI, et al. **Am Sci** 1981 Sep–Oct;69(5):543–50
Mechanisms for induction of drinking with special reference to angiotensin II. Kobayashi H, et al. **Comp Biochem Physiol [A]** 1982;71(4):485–94
Accommodation in vertebrates: a contemporary survey. Sivak JG. **Curr Top Eye Res** 1980;3:281–330
First events in vision: the generation of responses in vertebrate rods. Schwartz EA. **J Cell Biol** 1981 Aug; 90(2):271–8 (27 ref.)
Characterization of dopamine receptors in various species of invertebrates and vertebrates. Covelli V, et al. **Neuroscience** 1981;6(10):2077–9
Vertebrate osmoregulation. Phillips JG, et al. **Sci Prog** 1981 Autumn;67(267):335–56
A cybernetic model of the vertebrate cone retina. Siminoff R. **Vision Res** 1981;21(11):1537–9
[To what should the absence of repair of transsected spinal fibers in higher vertebrates be attributed?] Contamin F. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):761–4 (Eng. Abstr.) **(Fre)**
[Thermal stability of rhodopsins and opsins in warm- and cold-blooded vertebrates] Berman AL, et al. **Zh Evol Biokhim Fiziol** 1981 Nov–Dec;17(6):547–55 (Eng. Abstr.) **(Rus)**

VERTEBROBASILAR INSUFFICIENCY

COMPLICATIONS

Vertebro-basilar ischaemia. Its relation to stenosis and occlusion of the vertebral artery. George B, et al. **Acta Neurochir (Wien)** 1982;62(3–4):287–95
Frontal intermittent rhythmic delta activity. Impairment of consciousness and migraine. Walser H, et al. **Headache** 1982 Mar;22(2):74–80
[Vertigo in vertebrobasilar insufficiency: experience with combined physical and pharmacological therapy] Rainaldi P, et al. **Clin Ter** 1981 Aug 15;98(3):289–98 (Eng. Abstr.) **(Ita)**
[The vestibulo-acoustic syndrome as a part of vertebrobasilar circulatory insufficiency] Ionel C, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar;27(1):21–9 (Eng. Abstr.) **(Rum)**
[Use of hyperbaric oxygenation in paroxysmal states due to vertebrobasilar insufficency] Shal'kevich VB. **Vrach Delo** 1982 May;(5):73–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Vertebro-basilar insufficiency and the ENT surgeon, with an approach to the giddy patient. Blau JN, et al. **Clin Otolaryngol** 1981 Feb;6(1):73–8
[The differentiation between the reflex cervical nystagmus and the vascular cervical nystagmus (author's transl)] Hülse M. **HNO** 1982 May;30(5):192–7 (Eng. Abstr.) **(Ger)**
[Vertebrobasilar insufficiency. Primarily a general medicine problem] Brückel MH. **ZFA (Stuttgart)** 1981 Oct 20; 57(29):1995–200 **(Ger)**
[Clinical aspects and treatment of vertebrobasilar insufficiency] Gloriozova TG, et al. **Klin Med (Mosk)** 1982 May;60(5):108–11 **(Rus)**
[Values of the clinico-rheoencephalographic methods in the diagnosis of circulatory insufficiency in hypertension] Vinichuk SM, et al. **Vrach Delo** 1981 Oct;(10):28–31 **(Rus)**
[Prognostic value of different clinical symptoms in transient circulatory disorders in the vertebro-basilar system] Kutchak EN. **Zh Nevropatol Psikhiatr** 1981;81(9):1284–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vertebral artery compression by cervical osteophytes. Giroux JC. **Adv Otorhinolaryngol** 1982;28:111–7
Vertebrobasilar insufficiency secondary to vertebral artery occlusion froma fibrous band. Case report. Mapstone T, et al. **J Neurosurg** 1982 Apr;56(4):581–3
Prognosis of vertigo attacks in hypertensives. Sterman-Marinchescu C, et al. **Neurol Psychiatr (Bucur)** 1981 Oct–Dec;19(4):247–57
Occipitoatlantal instability and vertebrobasilar ischemia: case report. Coria F, et al. **Neurology (NY)** 1982 Mar;32(3):303–5
Vertebrobasilar transient ischemic attacks: an unusual clinical manifestation of a cervical aneurysmal bone cyst. Iraci G, et al. **Surg Neurol** 1981 Oct;16(4):251–5
Transient neurologic deficits associated with congestive heart

failure and hypovolemia. Pritz MB, et al. **Surg Neurol** 1981 Jun;15(6):467–70

[Intracerebral steal phenomenon appearing in the case of common carotid stenosis—in relation to occipital–vertebral anastomosis] Sayama I, et al. **No To Shinkei** 1981 Nov; 33(11):1093–9 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Lateral deviation of the trunk in vertebrobasilar vascular disorders] Cernáček J, et al. **Cesk Neurol Neurochir** 1981 Sep;44(5):294–8 (Eng. Abstr.) **(Slo)**

[Report and perspectives on the electrophysiologic study of trigemino–facial and facial reflexes in vertebrobasilar insufficiency] Martín Ruiz E, et al.
Rev Med Univ Navarra 1981 Sep;25(3):27–9 **(Spa)**

RADIOGRAPHY

Dolichomegavertebrobasilar anomaly: diagnosis by CT. Martelli A, et al. **Acta Neurol (Napoli)** 1982 Feb;37(1):62–7

Cerebrovascular fibromuscular dysplasia. Case report. Pinelli P, et al. **Ital J Neurol Sci** 1981 May;2(2):203–5

Reversible angiography. Alpert JN, et al. **Stroke** 1982 Jan–Feb;13(1):100–5

RADIONUCLIDE IMAGING

Measurement of blood flow in the vertebrobasilar system. Yamamoto YL. **Adv Otorhinolaryngol** 1982;28:92–9

SURGERY

Posterior circulation revascularization. Superficial temporal artery to superior cerebellar artery anastomosis. Ausman JI, et al. **J Neurosurg** 1982 Jun;56(6):766–76

Superficial temporal to proximal superior cerebellar artery anastomosis for basilar artery stenosis. Ausman JI, et al. **Neurosurgery** 1981 Jul;9(1):56–60

Vertebral artery disease: radiological evaluation medical management, and microsurgical treatment. Pritz MB, et al. **Neurosurgery** 1981 Nov;9(5):524–30

Occipital artery to posterior inferior cerebellar artery bypass for vertebrobasilar ischemia. Roski RA, et al.
Neurosurgery 1982 Jan;10(1):44–9

Anastomosis of occipital artery to anterior inferior cerebellar artery for vertebrobasilar junction stenosis. Ausman JI, et al. **Surg Neurol** 1981 Aug;16(2):99–102

Cervical vertebral angioplasty for brain stem ischemia. Imparato AM, et al. **Surgery** 1981 Nov;90(5):842–52

[The operative treatment of the cervico–encephalic syndrome or the vertebral artery syndrome] Biehl G, et al.
Beitr Orthop Traumatol 1982 Apr;29(4):199–208 (Eng. Abstr.) **(Ger)**

[Indication for operation on the vertebral artery (author's transl)] Balzer K, et al. **Langenbecks Arch Chir** 1982; 356(4):243–9 (Eng. Abstr.) **(Ger)**

VERTICAL DIMENSION

The vertical dimension in orthognathic surgery. Henderson D. **Br J Oral Surg** 1981 Dec;19(4):237–57

Induced growth of the mandibular condyle in the rat. Buchner R. **J Oral Rehabil** 1982 Jan;9(1):7–22

Perception of vertical dimension. Gamon JA, et al.
J Oral Rehabil 1982 Jul;9(4):307–16

Identifying the denture space. Neill DJ, et al.
J Oral Rehabil 1982 May;9(3):259–77

The surgical–orthodontic correction of vertical dentofacial deformities. Wolford LM, et al. **J Oral Surg** 1981 Nov; 39(11):883–97

Interocclusal distance measurement comparing chin and tooth reference points. Ekfeldt A, et al.
J Prosthet Dent 1982 May;47(5):560–3

Die alteration to provide adequate occlusal clearance. Jordan RD, et al. **J Prosthet Dent** 1982 May;47(5):570–2

Two–dimensional study of the neutral zone at different occlusal vertical heights. Khamis M, et al.
J Prosthet Dent 1981 Nov;46(5):484–9

Vertical space for denture bases—without surgery. Mitchener RW. **J Prosthet Dent** 1982 Apr;47(4):354–5

Interocclusal registration at the vertical dimension of occlusion using acrylic resin copings. Postol IM.
J Prosthet Dent 1982 Jul;48(1):39–43

Clinical measurement and evaluation of vertical dimension. Toolson LB, et al. **J Prosthet Dent** 1982 Mar;47(3):236–41

Vertical dimension: a research and clinical analysis. Weinberg LA. **J Prosthet Dent** 1982 Mar;47(3):290–302 (67 ref.)

Simultaneous registration of centric relation and vertical dimension of occlusion. Davis DJ. **NY State Dent J** 1982 Jun–Jul;48(6):386–7

[Cephalometry: choice of a vertical reference line] Hedin C, et al. **Rev Belge Med Dent** 1982 Mar;37(2):53–5 **(Fre)**

[Determination of the height of the bite in the redesign of complete prostheses] Branovački D, et al. **Med Pregl** 1980; 33(11–12):497–8 (Eng. Abstr.) **(Scr)**

VERTICILLIUM see under **MONILIALES**

VERTIGO

BLOOD

Abnormal insulin levels and vertigo. Proctor CA. **Laryngoscope** 1981 Oct;91(10):1657–62

DIAGNOSIS

Benign paroxysmal vertigo in childhood. Eeg–Olofsson O, et al. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr; 93(3–4):283–9

Olfactory vertigo. A neurotological approach. Hinoki M, et al. **Agressologie** 1981;22(B):45–57

Prognosis of vertigo following cranio–cervical injury. Makino H, et al. **Auris Nasus Larynx** 1981;8(1):1–10

Positional vertigo and nystagmus of central origin. Watson P, et al. **Can J Neurol Sci** 1981 May;8(2):133–7

Migraines may manifest as vertigo [news] McCann J. **JAMA** 1982 Feb 19;247(7):956–7

The SHA test in vestibular diagnosis. Rubin W.
Laryngoscope 1981 Oct;91(10):1702–4

Comparison of vestibulo–ocular and vestibulospinal screening tests. Black FO, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):811–7

[Nystagmus and benign paroxysmal vertigo (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1982; 99(1–2):7–14 (Eng. Abstr.) **(Fre)**

[Vertigo and dizzyness : a clinical approach (author's transl)] Gérard JM. **Rev Med Brux** 1981 Oct;2(8):747–50 **(Fre)**

[Value of the case history in the diagnosis of vestibular vertigo] Hoff P. **Z Arztl Fortbild (Jena)** 1981 Mar 15; 75(6):274–6 **(Ger)**

[Vertigo in children and brain tumor (author's transl)] Nomura K. **Nippon Jibiinkoka Gakkai Kaiho** 1981 May; 84(5):483–9 (Eng. Abstr.) **(Jpn)**

[Caloric swing test] Ukleja Z, et al. **Otolaryngol Pol** 1981; 35(3):205–11 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Suppressive action of picrotoxin, a GABA antagonist, on labyrinthine spontaneous nystagmus and vertigo in man. Ehrenberger K, et al. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):269–73

Flunarizine in vertigo. A double–blind placebo–controlled cross–over evaluation of a constant–dose schedule. Oosterveld WJ. **ORL J Otorhinolaryngol Relat Spec** 1982 Mar–Apr;44(2):72–80

ETIOLOGY

Cupulolithiasis. Gacek RR. **Adv Otorhinolaryngol** 1982; 28:80–5

Vertigo originating from inflammation of the paranasal sinuses (the so–called sinugenic vertigo). Haid T.
Adv Otorhinolaryngol 1981;27:190–7

Vertigo, motion sickness and migraine. Kuritzky A, et al. **Headache** 1981 Sep;21(5):227–31

Vestibular vertigo. A form of polyneuritis? Adour KK, et al. **JAMA** 1981 Oct 2;246(14):1564–7

Hearing loss and vertigo secondary to head injury. Healy GB. **N Engl J Med** 1982 Apr 29;306(17):1029–31 (8 ref.)

Prognosis of vertigo attacks in hypertensives.
Sterman–Marinchescu C, et al. **Neurol Psychiatr (Bucur)** 1981 Oct–Dec;19(4):247–57

Metabolic causes of hearing loss and vertigo. Pillsbury HC. **Otolaryngol Clin North Am** 1981 May;14(2):347–54

Pacemaker syndrome: a non–invasive means to its diagnosis and treatment. Miller M, et al. **PACE** 1981 Sep;4(5):503–6

[Acute hearing loss and vertigo in secondary syphilis] Kassis V, et al. **Ugeskr Laeger** 1981 Sep 28;143(40):2591–2 (Eng. Abstr.) **(Dan)**

[Vertigo as one of the symptoms of the initial manifestations of a deficient blood supply to the brain in neurocirculatory dystonias] Agakhanova DG. **Zh Nevropatol Psikhiatr** 1981; 81(9):1294–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Demyelinating disease as the assumed cause of hearing loss and vertigo. A case report with light– and electron–microscopic findings. Ylikoski J, et al.
Arch Otorhinolaryngol 1981;230(2):161–70

PHYSIOPATHOLOGY

Abnormalities of the stapedius reflex in patients with vertigo. Lehrer JF, et al. **Am J Otol** 1981 Oct;3(2):96–103

Clinical application of evoked electro–myography (frequency depression curve) in the diagnosis and treatment of vertigo. Matsunaga T, et al. **Auris Nasus Larynx** 1980;7(3):125–39

Posturography of ataxia induced by Coriolis– and Purkinje–effects. Fitger C, et al.
Aviat Space Environ Med 1982 Feb;53(2):153–61

E.N.G. after head injury. Kirtane MV, et al.
J Laryngol Otol 1982 Jun;96(6):521–8

[Vestibular–vascular reactions in internal ear dysfunction] Petrova EI, et al. **Vestn Otorinolaringol** 1981 Nov–Dec; (6):8–13 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychogenic vertigo: a review. Tiwari S, et al.
Postgrad Med 1981 Nov;70(5):69–71, 74, 77

SURGERY

The surgical treatment of vertigo. The essentials of patient selection and long–term results. Smyth GD, et al.
Am J Otol 1981 Jan;2(3):179–87

Vertigo. Wolfson RJ, et al. **Clin Symp** 1981;33(6):1–32

Reflexogenic vertigo treated by tensor tympani transection. Epley JM. **Otolaryngol Head Neck Surg** 1981 Sep–Oct; 89(5):849–53

THERAPY

Positional (provoked) vertigo treated by postural training, vestibular habituation training. Norre ME, et al.
Agressologie 1981;22(B):37–44

[Medical and surgical treatment of peripheral vertigo] Bremond G, et al. **J Fr Otorhinolaryngol** 1982 Jan; 31(1):39–44 **(Fre)**

[Vertigo in vertebrobasilar insufficiency: experience with combined physical and pharmacological therapy] Rainaldi P, et al. **Clin Ter** 1981 Aug 15;98(3):289–98 (Eng. Abstr.) **(Ita)**

VERTIGO, AURAL see **MENIERE'S DISEASE**

VERY LOW DENSITY LIPOPROTEINS see **LIPOPROTEINS, VLDL**

VESICAL FISTULA see **BLADDER FISTULA**

VESICANTS see **IRRITANTS**

VESICATION see **BLISTER**

VESICO–URETERAL REFLUX

CHEMICALLY INDUCED

Unanticipated vesicoureteral reflux: a possible sequela of long–term thio–tepa instillations to the bladder. Mukamel E, et al. **J Urol** 1982 Feb;127(2):245–6

CLASSIFICATION

A plea for standardized grading of vesicoureteral reflux. Duckett JW, et al. **Eur Urol** 1982;8(2):74–7

[Vesicoureteral reflux in the first year of the life (author's transl)] Castelló Girona F, et al. **An Esp Pediatr** 1982 Jan; 16(1):9–15 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Long–time effect of large vesicoureteral reflux with or without urinary tract infection. Wikstad I, et al.
Acta Radiol [Diagn] (Stockh) 1981;22(3B):325–30

Neuhauser lecture. Reflux nephropathy: a personal historical review. Hodson CJ. **AJR** 1981 Sep;137(3):451–62

Reflux nephropathy. Hodson CJ, et al. **Hosp Pract** 1982 Apr; 17(4):133–5, 138–41, 148–56

Obstructive uropathy re vesicoureteral reflux [letter] Holland NH, et al. **J Pediatr** 1982 Sep;101(3):485–6

Vesicoureteral reflux and staghorn calculi. Lue TF, et al.
J Urol 1982 Feb;127(2):247–8

Outcome of renal transplantation for end–stage reflux nephropathy [letter] Torres VE, et al. **JAMA** 1981 Nov 27;246(21):2430

Nephrology Forum. Glomerulosclerosis in reflux nephropathy. Cotran RS. **Kidney Int** 1982 Mar;21(3):528–34

Children with urinary infection: a comparison of those with and those without vesicoureteric reflux. Smellie JM, et al.
Kidney Int 1981 Dec;20(6):717–22

Antimicrobial prophylaxis in children with urinary tract infection and vesicoureteral reflux. Holland NH, et al.
Rev Infect Dis 1982 Mar–Apr;4(2):467–74

The role of vesicoureteral reflux in paediatric urinary–tract infection. Elo J, et al. **Scand J Urol Nephrol** 1981; 15(3):243–8

Vesicoureteral reflux in boys with hypospadias. Shafir R, et al. **Urology** 1982 Jul;20(1):29–32

[Vesico–ureteral reflux in the infant and child] Dumas R.
Arch Fr Pediatr 1982 Feb;39(2):63–5 **(Fre)**

[Round table: reflux and duplication of the excretory tract] **J Urol (Paris)** 1980;86(10):783–91 **(Fre)**

[Vesico–renal reflux and compensatory renal hypertrophy (author's transl)] Viville C. **J Urol (Paris)** 1981;87(5):273–8 (Eng. Abstr.) **(Fre)**

[Vesico–ureteral reflux in patients with terminal renal failure: I. Incidence and importance of reflux (author's transl)] Huland H, et al. **Urologe [Ausg A]** 1982 Mar;21(2):102–5 (Eng. Abstr.) **(Ger)**

[Evaluation of the relation between urinary tract infection and primary vesico–ureteral reflux] Rossi R, et al.
Minerva Pediatr 1981 Nov 15;33(21):1043–54 (Eng. Abstr.) **(Ita)**

[Diagnosis and localization of urinary tract infections in children with vesico–ureteral reflux] Penza R, et al.
Minerva Urol 1981 Jul–Sep;33(3):169–73 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Real–time sonographic detection of vesicoureteral reflux in children. Kessler RM, et al. **AJR** 1 52 Jun;138(6):1033–6

A new approach to the evaluation of pathological effect of vesicoureteral reflux. Vlatković G, et al.
Int J Pediatr Nephrol 1981 Mar;2(1):43–6

Significance of vesicoureteral reflux in renal transplantation. Nghiem DD, et al. **Urology** 1981 Dec;18(6):542–5

EMBRYOLOGY

[Comparative experimental study of the renal consequences of vesico-ureteric reflux and of ureteric obstruction in the sheep foetus (author's transl)] Vallancien G, et al. **J Urol (Paris)** 1982;88(1):27-30 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Urinary excretion of beta-hexosaminidase in patients with vesico-ureteric reflux. Hultberg B, et al. **Acta Med Scand** 1982;211(4):257-9

[A histochemical study of the obstructed refluxing ureters experimentally induced in dogs (author's transl)] Kawaguchi K. **Nippon Hinyokika Gakkai Zasshi** 1981 Apr; 72(4):395-406 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Infection does not cause reflux. Gross GW, et al. **AJR** 1981 Nov;137(5):929-32

Vesicoureteral reflux following transurethral resection of bladder tumours at the ureteral orifice. Kisbenedek L, et al. **Eur Urol** 1982;8(1):9-10

Vesico-ureteric reflux in the neuropathic bladder with particular reference to the development of renal scarring. Woods C, et al. **Eur Urol** 1982;8(1):23-8

Ureterovesical junction and acquired vesicoureteral reflux. Duckett JW Jr. **J Urol** 1982 Feb;127(2):249

Viral cystitis with transient secondary vesicoureteral reflux. Mininberg DT, et al. **J Urol** 1982 May;127(5):983-5

Ureteric orifice deformation causing secondary reflux. Kullendorff CM. **Scand J Urol Nephrol** 1982;16(1):73-5

Bladder-sphincter dysfunction in childhood. Koff SA. **Urology** 1982 May;19(5):457-61

[Vesico-ureteral reflux in patients with terminal renal failure. II. Causes of reflux (author's transl)] Huland H, et al. **Urologe [Ausg A]** 1982 May;21(3):153-6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Vesicoureteral reflux in black girls. Askari A, et al. **J Urol** 1982 Apr;127(4):747-8

PATHOLOGY

Reflux nephropathy: effects of antimicrobial therapy on the evolution of the early pyelonephritic scar. Ransley PG, et al. **Kidney Int** 1981 Dec;20(6):733-42

PHYSIOPATHOLOGY

Determination of true intravesical filling pressure in patients with vesicoureteral reflux by Fogarty catheter occlusion of ureters. Woodside JR, et al. **J Urol** 1982 Jun; 127(6):1149-52

[Upper urinary tract urodynamics in vesico-ureteral reflux in children] Derzhavin VM, et al. **Urol Nefrol (Mosk)** 1982 Mar-Apr;(2):11-5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Complications of the non-refluxing colon conduit [letter] Syme RR. **J Urol** 1981 Sep;126(3):419

RADIOGRAPHY

Micturating cystography - an unassessed method of examination. Hodson CJ. **Int J Pediatr Nephrol** 1980 Mar; 1(1):2-3

Computer analysis of micturating cystourethrograms in children. Buick RG, et al. **J Pediatr Surg** 1982 Feb; 17(1):48-51

Parenchymal reflux in renal dysplasia. Pinckney LE, et al. **Radiology** 1981 Dec;141(3):681-6

[Vesico-ureteral reflux (VUR) and renal size in children (author's transl)] Satoh Y, et al. **Urologe [Ausg A]** 1981 Nov;20(6):370-4 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

Radionuclide cystography: the significance of retention time of the refluxed radioisotope. Nissenkorn I, et al. **J Urol** 1981 Oct;126(4):448-51

[Analysis of vesico ureteral reflux by functional scintigraphy (author's transl)] Szy DA, et al. **Radiologe** 1981 Dec; 21(12):562-70 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Pediatric nephrology concepts of the diagnosis and therapy of myelodysplasia] Otto-Unger G. **Padiatr Grenzgeb** 1981; 20(5):333-9 (Eng. Abstr.) **(Ger)**

SURGERY

Ultrasound examination of the kidney after Politano-Leadbetter ureteroneocystostomy. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3B):349-51

Reflux--a retrospective study of 100 ureteric reimplantations by the Politano-Leadbetter method and 100 by the Cohen technique. Carpentier PJ, et al. **Br J Urol** 1982 Jun; 54(3):230-3

Improvement in renal function following ureteric reimplantation for vesicoureteric reflux. Mundy AR, et al. **Br J Urol** 1981 Dec;53(6):542-4

Bilateral Cohen's antireflux procedure with a single submucosal tunnel. Faure G, et al. **Eur Urol** 1982;8(4):193-5

Renal growth in small kidneys after ureteroneocystostomy. Carson CC 3d, et al. **J Urol** 1982 Jun;127(6):1146-8

Ureteral reimplantation in myelodysplasia children. Woodard JR, et al. **J Urol** 1981 Sep;126(3):387-8

Vesicoureteral reflux: a surgeon's perspective. Ehrlich RM. **Pediatr Clin North Am** 1982 Aug;29(4):827-34 (54 ref.)

Renal scarring in vesicoureteric reflux and distal urethral stenosis treated by urethrotomy. Andresen J, et al. **Urol Int** 1982;37(2):121-4

Early surgical correction of massive refluxing megaureter in babies by total ureteral reconstruction and reimplantation. Hanna MK. **Urology** 1981 Dec;18(6):562-6

Recent advances and further experience with surgical techniques for one-stage total remodeling of massively dilated ureters. Hanna MK. **Urology** 1982 May; 19(5):495-504

Bilateral or unilateral ureteroneocystostomy for unilateral reflux. Harty JI, et al. **Urology** 1981 Sep;18(3):241-3

Management of massively dilated ureters in children. Lockhart JL, et al. **Urology** 1981 Sep;18(3):229-34 (69 ref.)

Contralateral reflux after unilateral reimplantation [letter] Nasrallah PF. **Urology** 1982 Apr;19(4):454

Follow-up studies on surgical treatment of vesicoureteric reflux in 141 children. Kaliciński ZH, et al. **Z Kinderchir** 1981 Feb;32(2):157-60

[Renal growth and urinary tract infection after surgical treatment of vesicoureteral reflux without ureteral dilatation in children (author's transl)] Jablonski JP, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):193-6 (Eng. Abstr.) **(Fre)**

[Bilateral Cohen's anti-reflux procedure with a simple submucosal tunnel. Report of 136 cases (author's transl)] Faure G, et al. **J Urol (Paris)** 1982;88(2):125-7 (Eng. Abstr.) **(Fre)**

[Surgical management of vesico-renal reflux in adults] Sacherer K, et al. **Helv Chir Acta** 1981 Aug;48(3-4):289-93 (Eng. Abstr.) **(Ger)**

[Vesico-ureteral-renal reflux in adults: an overview] Zingg EJ, et al. **Helv Chir Acta** 1981 Aug;48(3-4):315-21 (Eng. Abstr.) **(Ger)**

[Results of antireflux-surgery in children according to Leadbetter-Politano] Esch W, et al. **Z Kinderchir** 1981 Aug;33(4):335-43 (Eng. Abstr.) **(Ger)**

[Clinical study of the ipsilateral termino-lateral uretero-ureterostomy operation in patients with complete pyelo-ureteral duplication] Criniti P, et al. **Ann Ital Chir** 1981;53(3):309-20 (26 ref.) (Eng. Abstr.) **(Ita)**

[Catheterization of the ureter after anti-reflux reimplantation using the Cohen technic] De Castro R, et al. **Pediatr Med Chir** 1981 Jan-Feb;3(1):67-70 (Eng. Abstr.) **(Ita)**

[Surgical treatment of vesico-ureteral reflux--its indication and result (author's transl)] **Nippon Hinyokika Gakkai Zasshi** 1982 Jan;73(1):24-33 **(Jpn)**

[Results and complications of anti-reflux operation (author's transl)] Yasuda K, et al. **Nippon Hinyokika Gakkai Zasshi** 1981 Nov;72(11):1470-6 (Eng. Abstr.) **(Jpn)**

[Remote results of the surgical treatment of vesico-ureteral reflux and ureteral stenosis] Kaliciński ZH, et al. **Pediatr Pol** 1981 Jun;56(6):629-33 (Eng. Abstr.) **(Pol)**

THERAPY

Conservative management of vesicoureteric reflux in the congenital neurogenic bladder. Philp NH, et al. **Br J Urol** 1981 Dec;53(6):545-51

The management of vesicoureteral reflux in children with myelodysplasia. Bauer SB, et al. **J Urol** 1982 Jul; 128(1):102-5

The management of vesicoureteral reflux in children with neurogenic bladders. Kass EJ, et al. **Z Kinderchir** 1981 Dec; 34(4):379-83

[The fate of children with vesicoureteral reflux] Dušek J, et al. **Cesk Pediatr** 1982 Apr;37(4):177-9 (Eng. Abstr.) **(Cze)**

[Comparison of conservative and surgical treatment of the vesico-uretero-renal reflux. International prospective reflux study in children (author's transl)] **Urologe [Ausg A]** 1981 Mar;20(2):107-15 (Eng. Abstr.) **(Ger)**

[Treatment of vesicorenal reflux by transurethral teflon-injection (author's transl)] Matouschek E. **Urologe [Ausg A]** 1981 Sep;20(5):263-4 (Eng. Abstr.) **(Ger)**

[New concept for the treatment of vesico-ureteral reflux. Endoscopic application of teflon] Matouschek E. **Arch Esp Urol** 1981 Sep-Oct;34(5):385-8 (Eng. Abstr.) **(Spa)**

URINE

[Massive proteinuria associated with chronic pyelonephritis, vesicoureteral reflux and renal tuberculosis] Oliver JA, et al. **Rev Clin Esp** 1982 Mar 31;164(6):383-5 (Eng. Abstr.) **(Spa)**

VESICOVAGINAL FISTULA

COMPLICATIONS

Pyoderma gangrenosum, vesicovaginal fistula and endometriosis. A case report. Keyzer C, et al. **S Afr Med J** 1982 May 29;61(22):843-5

CONGENITAL

[Congenital vesico-vaginal fistula (author's transl)] Mas Torres P, et al. **An Esp Pediatr** 1982 May;16(5):432-6 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Vesicovaginal fistula following hypogastric embolization for control of intractable pelvic hemorrhage. Behnam K, et al. **J Reprod Med** 1982 May;27(5):304-6

[Vesico-vaginal fistulas of obstetrical origin: 417 cases] Docquier J. **Acta Urol Belg** 1982 Jan;50(1):91-100 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Social consequences of vesico-vaginal fistula in northern Nigeria. Murphy M. **J Biosoc Sci** 1981 Apr;13(2):139-50

RADIOGRAPHY

The viewbox: vesico-vaginal fistula. Cooper RA. **IMJ** 1982 Jan;161(1):10, 35-6

[Diagnosis and therapy of vesico-vaginal fistulae] Váry L, et al. **Orv Hetil** 1981 Jun 14;122(24):1447-9 **(Hun)**

SURGERY

Urethrovaginal and vesicovaginal fistula. A review of 29 patients. Henriksson C, et al. **Acta Obstet Gynecol Scand** 1982;61(2):143-8

Pregnancy and delivery after successful repair of vesicovaginal fistula. Otubu JA, et al. **Int J Gynaecol Obstet** 1982 Apr;20(2):163-6

[Pedicle graft of omentum or pre-peritoneal fat in repair of vesico-vaginal fistula (author's transl)] Chen DM. **Chung Hua Wai Ko Tsa Chih** 1981 Jul;19(7):437-8 (Eng. Abstr.) **(Chi)**

[Ileocystoplasty of large experimental vesical defects in female dogs] Lufuma LN, et al. **Acta Urol Belg** 1982 Jan; 50(1):101-13 (Eng. Abstr.) **(Fre)**

[Contribution to the problem of the surgical occlusion of vesicovaginal fistulas] Ingelman-Sundberg A. **Gynakologe** 1981 Sep;14(3):183-6 **(Ger)**

[Therapy of complicated vesico-vaginal fistulae] Petri E, et al. **Gynakologe** 1981 Sep;14(3):177-82 **(Ger)**

[Closure of large vesico--urethra--vaginal defect with pedicled myocutaneous gracilis flap (author's transl)] Tölle E, et al. **Urologe [Ausg A]** 1981 Sep;20(5):274-7 (Eng. Abstr.) **(Ger)**

[Post-irradiation vesicovaginal fistula] Borkowski A. **Ginekol Pol** 1981 May;52(5):397-403 **(Pol)**

[Results of surgical treatment of vesicovaginal fistula by the intraperitoneal-transvesical approach] Borówka A, et al. **Ginekol Pol** 1981 Aug;52(8):739-42 (Eng. Abstr.) **(Pol)**

[Transvesical fistuloplasty with the blind suture of the bladder in the vesicovaginal fistulas] Orlov VA. **Urol Nefrol (Mosk)** 1982 Jan-Feb;(1):40-4 (Eng. Abstr.) **(Rus)**

VESICULAR EXANTHEMA OF SWINE

MICROBIOLOGY

Experimental vesicular exanthema of swine virus and San Miguel sea lion virus infection in phocid seals. Gelberg HB, et al. **Vet Pathol** 1982 Jul;19(4):406-12

Vesicular exanthema of swine and San Miguel sea lion virus: experimental and field studies in otarid seals, feeding trials in swine. Gelberg HB, et al. **Vet Pathol** 1982 Jul; 19(4):413-23

The pathogenesis of vesicular exanthema of swine virus and San Miguel sea lion virus in swine. Gelberg HB, et al. **Vet Pathol** 1982 Jul;19(4):424-43

PREVENTION & CONTROL

Vesicular diseases: recent advances and concepts of control. Watson WA. **Can Vet J** 1981 Oct;22(10):311-20 (39 ref.)

VESICULAR STOMATITIS VIRUS

Are lysosomes a site of enveloped-virus penetration? Marsh M, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):835-43

Neuroblastoma cell membranes: specificity for cell fusion mediated by a temperature-sensitive mutant of vesicular stomatitis virus. Dille BJ, et al. **J Neurochem** 1982 Feb; 38(2):422-6

ANALYSIS

Contribution of oligosaccharide sulfation to the charge heterogeneity of a viral glycoprotein. Hsu CH, et al. **J Biol Chem** 1982 Aug 10;257(15):9035-8

Transient activity of Golgi-like membranes as donors of vesicular stomatitis viral glycoprotein in vitro. Fries E, et al. **J Cell Biol** 1981 Sep;90(3):697-704

Host cell-dependent differences in the oligosaccharide moieties of the VSV G protein. Etchison JR, et al. **J Gen Virol** 1981 Nov;57(Pt 1):43-52

Analysis of viral and defective-interfering nucleocapsids in acute and persistent infection by rhabdoviruses. Grabau EA, et al. **J Gen Virol** 1982 May;60(Pt. 1):87-97

Structural study of vesicular stomatitis virus G protein in the virion envelope. Taube SE, et al. **J Gen Virol** 1982 Apr;59(Pt 2):319-27

Intracellular vesicular stomatitis virus leader RNAs are found in nucleocapsid structures. Blumberg BM, et al. **J Virol** 1981 Nov;40(2):568-76

Linear mapping of tryptophan residues in Vesiculovirus M and N proteins by partial chemical cleavage. Brown E, et al. **J Virol** 1982 Apr;42(1):311-6

NS phosphoprotein of vesicular stomatitis virus: subspecies separated by electrophoresis and isoelectric focusing. Hsu CH, et al. **J Virol** 1982 Apr;42(1):342-5

Homology between the glycoproteins of vesicular stomatitis virus and rabies virus. Rose JK, et al. **J Virol** 1982 Jul; 43(1):361-4

Electrochemical modification of vesicular stomatitis virus glycoprotein by host cell transformation. Miki T. **Microbiol Immunol** 1981;25(6):585-94

Characterization and mapping of RNase III cleavage sites in VSV genome RNA. Wertz GW, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6487-503

Lipid-protein interactions between the surface glycoprotein of vesicular stomatitis virus and the lipid bilayer. Altstiel LD, et al. **Virology** 1981 Nov;115(1):1-9

DRUG EFFECTS

Effect of human interferon on vesicular stomatitis virus released from bovine embryonic kidney cells. Harrell SA, et al. **Am J Vet Res** 1982 Apr;43(4):565-8

Responsiveness of human cells trisomic for chromosome 21 to the antiviral action of human immune interferon. De Ley M, et al. **Antiviral Res** 1982 May;2(1-2):97-102

Effect of cyclic AMP and cyclic GMP on the activity of interferon against herpes simplex virus types 1 and 2, and vesicular stomatitis virus. Stanwick TL, et al. **Arch Virol** 1982;72(4):247-56

A cell surface glycoprotein virus inhibitor that is not interferon. Johnson TC, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):328-34

Pardaxin, a hydrophobic toxin of the Red Sea flatfish, disassembles the intact membrane of vesicular stomatitis virus. Pal R, et al. **J Biol Chem** 1981 Oct 25; 256(20):10209-12

A comparison of the antiproliferative and antiviral activities of alpha-, beta- and gamma-interferons: description of a unified assay for comparing both effects simultaneously. Eife R, et al. **J Immunol Methods** 1981;47(3):339-47

Interferon induces an antiviral state in ganglioside-deficient transformed mouse fibroblasts. Schiffmann D, et al. **Med Microbiol Immunol (Berl)** 1981;169(4):281-9

The effects of adenosine and guanosine on the replication of Sindbis and vesicular stomatitis viruses in Aedes albopictus cells. Stollar V, et al. **Virology** 1981 Nov; 115(1):57-66

[Antiviral and anticellular activity of human leukocytic and fibroblastic interferons in homo- and heterologous cells] Orlova TG, et al. **Vopr Virusol** 1981 Jul-Aug;(4):404-7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Activation of the virion-associated RNA polymerase of vesicular stomatitis virus by melittin. Roy J, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1265-71

Purified vesicular stomatitis virus contains an enzyme activity that synthesizes cytidylyl (5'-3') guanosine 5'-triphosphate in vitro. Chanda PK, et al. **J Biol Chem** 1981 Nov 25; 256(22):11393-6

Host-dependent phosphorylation and kinase activity associated with vesicular stomatitis virus. Clinton GM, et al. **J Biol Chem** 1982 Mar 25;257(6):3313-9

GENETICS

The genetics of vesiculoviruses. Pringle CR. **Arch Virol** 1982; 72(1-2):1-34 (140 ref.)

Linked transcripts of the genes for leader and N message are synthesized in vitro by vesicular stomatitis virus. Chinchar VG, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1296-302

Monensin blocks endocytosis of vesicular stomatitis virus. Schlegel R, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):992-8

VSV RNA synthesis: how can you be positive? Ball LA, et al. **Cell** 1981 Oct;26(2 Pt 2):143-4 (0 ref.)

The plus-strand leader RNA of VSV inhibits DNA-dependent transcription of adenovirus and SV40 genes in a soluble whole-cell extract. McGowan JJ, et al. **Cell** 1982 Feb;28(2):325-33

A mouse cell line, which is unprotected by interferon against lytic virus infection, lacks ribonuclease F activity. Epstein DA, et al. **Eur J Biochem** 1981 Aug;118(1):9-15

Inhibition of the release of virion-associated murine leukemia virus genomic RNA by vesicular stomatitis virus. Chan JC, et al. **Intervirology** 1981;16(3):191-200

Translation of vesicular stomatitis and Sindbis virus mRNAs in cell-free extracts of Aedes albopictus cells. Gillies S, et al. **J Biol Chem** 1981 Dec 25;256(24):13188-92

Cerulenin blocks fatty acid acylation of glycoproteins and inhibits vesicular stomatitis and Sindbis virus particle formation. Schlesinger MJ, et al. **J Biol Chem** 1982 Sep 10;257(17):9887-90

In vitro transcription of vesicular stomatitis virus. Incorporation of deoxyguanosine and deoxycytidine, and formation of deoxyguanosine caps. Schubert M, et al. **J Biol Chem** 1982 Mar 25;257(6):2968-73

Mapping temperature-sensitive mutants of vesicular stomatitis virus by RNA heteroduplex formation. Freeman GJ, et al. **J Gen Virol** 1981 Nov;57(Pt 1):103-17

Transfer RNAs associated with vesicular stomatitis virus. Isaac CL, et al. **J Gen Virol** 1981 Sep;56(Pt 1):141-51

Structural analysis of animal virus genomes, The fifth Fleming lecture. McGeoch DJ. **J Gen Virol** 1981 Jul;55(Pt 1):1-16 (82 ref.)

Host restriction property of a vesicular stomatitis virus mutant isolated from carrier cultures. Thacore HR, et al. **J Gen Virol** 1981 Jun;54(Pt 2):449-53

In vitro and in vivo inhibition of primary transcription of vesicular stomatitis virus by a defective interfering particle. Bay PH, et al. **J Virol** 1982 Jan;41(1):172-82

Nucleotide sequences of the mRNA's encoding the vesicular stomatitis virus N and NS proteins. Gallione CJ, et al. **J Virol** 1981 Aug;39(2):529-35

Aberrant glycoprotein mRNA synthesized by the internal deletion mutant of vesicular stomatitis virus. Herman RC, et al. **J Virol** 1981 Oct;40(1):78-86

Site-specific phosphorylation regulates the transcriptive activity of vesicular stomatitis virus NS protein. Hsu CH, et al. **J Virol** 1982 Jul;43(1):104-12

Use of a hybrid infectivity assay to analyze primary transcription of temperature-sensitive mutants of the New Jersey serotype of vesicular stomatitis virus. Isle HD, et al. **J Virol** 1982 Jul;43(1):37-40

Isolation of vesicular stomatitis virus defective interfering genomes with different amounts of 5'-terminal complementarity. Kolakofsky D. **J Virol** 1982 Feb; 41(2):566-74

Transcription of vesicular stomatitis virus activated by pardaxin, a fish toxin that permeabilizes the virion membrane. Pal R, et al. **J Virol** 1981 Aug;39(2):641-5

Identification and characterization of a group of discrete initiated oligonucleotides transcribed in vitro from the 3' terminus of the N-gene of vesicular stomatitis virus. Pinney DF, et al. **J Virol** 1982 Jun;42(3):889-96

Enhanced mutability associated with a temperature-sensitive mutant of vesicular stomatitis virus. Pringle CR, et al. **J Virol** 1981 Aug;39(2):377-89

Interference among defective interfering particles of vesicular stomatitis virus. Rao DD, et al. **J Virol** 1982 Jan; 41(1):210-21

Nucleotide sequences of the mRNA's encoding the vesicular stomatitis virus G and M proteins determined from cDNA clones containing the complete coding regions. Rose JK, et al. **J Virol** 1981 Aug;39(2):519-28

In vitro transcription of vesicular stomatitis virus: initiation with GTP at a specific site within the N cistron. Schubert M, et al. **J Virol** 1982 Jul;43(1):166-73

Sequence-specific contacts between the RNA polymerase of vesicular stomatitis virus and the leader RNA gene. Keene JD, et al. **Proc Natl Acad Sci USA** 1981 Oct; 78(10):6191-5

Conditional expression of the vesicular stomatitis virus glycoprotein gene in Escherichia coli. Rose JK, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6670-4

Monoclonal and polyclonal antibody studies of VSV(hrMMTV) pseudotypes. Chan JC, et al. **Virology** 1982 Jul 15;120(1):54-64

Characterization of monospecific antisera against all five vesicular stomatitis virus-specific proteins: anti-L and anti-NS inhibit transcription in vitro. Harmon SA, et al. **Virology** 1982 Jul 15;120(1):194-204

Detection of VSV(MuLV) pseudotypes by an immunobiochemical technique. Mohr MD, et al. **Virology** 1982 Mar;117(2):522-9

High multiplicities of infection favor rapid and random evolution of vesicular stomatitis virus. Spindler KR, et al. **Virology** 1982 May;119(1):96-108

Covalent attachment of psoralen to a single site on vesicular stomatitis virus genome RNA blocks expression of viral genes. Talib S, et al. **Virology** 1982 Apr 30;118(2):430-8

GROWTH & DEVELOPMENT

The morphologic pathway of exocytosis of the vesicular stomatitis virus G protein in cultured fibroblasts. Wehland J, et al. **Cell** 1982 Apr;28(4):831-41

Replication of dengue, yellow fever, St. Louis encephalitis and vesicular stomatitis viruses in a cell line (TRA-171) derived from Toxorhynchites amboinensis. Kuno G. **In Vitro** 1981 Nov;17(11):1011-5

Antiviral effects of interferon on a somatic cell hybrid between two Burkitt's lymphoma cell lines of different interferon sensitivities. Lidin B, et al. **Infect Immun** 1982 May;36(2):847-9

Comparison of the antiviral activities of various cloned human interferon-alpha subtypes in mammalian cell cultures. Weck PK, et al. **J Gen Virol** 1981 Nov;57(Pt 1):233-7

Suppression of vesicular stomatitis virus defective intefering particle generation by a function(s) associated with human chromosome 16. Kang CY, et al. **J Virol** 1981 Dec; 40(3):946-52

Delayed appearance of pseudotypes between vesicular stomatitis virus influenza virus during mixed infection of MDCK cells. Roth MG, et al. **J Virol** 1981 Dec; 40(3):848-60

Effects of ouabain and interferon on the production of murine leukemia and vesicular stomatitis viruses in ouabain-sensitive and resistant cells. Tomita Y, et al. **Microbiol Immunol** 1981;25(7):741-4

Conditions necessary for inhibition of protein synthesis and production of cytopathic effect in Aedes albopictus cells infected with vesicular stomatitis virus. Gillies S, et al. **Mol Cell Biol** 1982 Jan;2(1):66-75

Restriction of vesicular stomatitis virus in a nonpermissive rabbit cell line is at the level of protein synthesis. Jones EV, et al. **Virology** 1982 Aug;121(1):20-31

Rapid increase in guanosine 3',5'-cyclic-monophosphate interferon treated mouse leukemia L1210 cells: relationship to the development of the antiviral state and inhibition of cell multiplication. Tovey MG, et al. **Virology** 1981 Dec; 115(2):272-81

IMMUNOLOGY

Limiting dilution analysis of human peripheral blood mononuclear leukocytes that react to human amnion cells and protect these against viral challenge. Rönnblom L, et al. **Eur J Immunol** 1982 May;12(5):437-41

Effect of prostaglandins on elicitation of anti-viral-cytolytic activity. Hale AH, et al. **Immunol Lett** 1982 Mar;4(3):171-4

H-2L-restricted recognition of viral antigens In the H-2d haplotype, anti-vesicular stomatitis virus cytotoxic T cells are restricted solely by H-2L. Ciavarra R, et al. **J Exp Med** 1982 Sep 1;156(3):778-90

Measurement of surface antigen by specific bacterial adherence and scanning electron microscopy (SABA/SEM) in cells infected by vesiculovirus ts mutants. Pringle CR, et al. **J Gen Virol** 1982 Mar;59(Pt 1):207-11

Limitation of VSV infection by the host's response to VSV-associated cellular antigens. Hecht TT, et al. **J Immunol** 1982 Oct;129(4):1736-41

Shedding of vesicular stomatitis virus soluble glycoprotein by removal of carboxy-terminal peptide. Irving RA, et al. **J Virol** 1982 Apr;42(1):322-5

Monoclonal antibodies to the glycoprotein of vesicular stomatitis virus: comparative neutralizing activity. Volk WA, et al. **J Virol** 1982 Apr;42(1):220-7

Amantadine and dansylcadaverine inhibit vesicular stomatitis virus uptake and receptor-mediated endocytosis of alpha 2-macroglobulin. Schlegel R, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2291-5

The interactionof antiody with the major surface glycoprotein of vesicular stomatitis virus. I. Analysis of neutralizing epitopes with monoclonal antibodies. Lefrancios L, et al. **Virology** 1982 Aug;121(1):157-67

The interaction of antibody with the major surface glycoprotein of vesicular stomatitis virus. II. Monoclonal antibodies of nonneutralizing and cross-reactive epitopes of Indiana and New Jersey serotypes. Lefrancois L, et al. **Virology** 1982 Aug;121(1):168-74

Activation of the alternative complement pathway by enveloped viruses containing limited amounts of sialic acid. McSharry JJ, et al. **Virology** 1981 Oct 30;114(2):507-15

ISOLATION & PURIFICATION

Preparation and assay of vesicular stomatitis virus. Goorha RM. **Methods Enzymol** 1981;78(Pt A):309-12

METABOLISM

Interactions of wild-type and mutant M protein of vesicular stomatitis virus with viral nucleocapsid and envelope in intact virions. Evidence from [125I]iodonaphthyl azide labeling and specific cross-linking. Mancarella DA, et al. **Biochemistry** 1981 Nov 24;20(24):6872-7

Role of matrix protein in assembling the membrane of vesicular stomatitis virus: reconstitution of matrix protein with negatively charged phospholipid vesicles. Zakowski JJ, et al. **Biochemistry** 1981 Jun 23;20(13):3902-7

Synthesis and assembly of the vesicular stomatitis virus glycoprotein. Zilberstein A, et al. **Cold Spring Harbor Symp Quant Biol** 1982;46 (Pt 2):785-95

Synthesis and assembly of membrane glycoproteins. Membrane anchoring COOH-terminal domain of vesicular stomatitis virus envelope glycoprotein G contains fatty acids. Capone J, et al. **J Biol Chem** 1982 Jan 10;257(1):16-9

RNA degradation defect in central nervous system isolates of vesicular stomatitis virus. Hughes JV, et al. **J Gen Virol** 1981 Aug;55(Pt 2):53-64

The metabolic fate of independently initiated VSV mRNA transcripts. Lazzarini RA, et al. **J Gen Virol** 1982 Feb;58(Pt 2):429-41

Phosphorylation of vesicular stomatitis virus proteins as a possible contributing factor in virion uncoating. Witt DJ, et al. **J Gen Virol** 1981 Oct;56(Pt 2):383-91

Structural changes in BHK cell plasma membrane caused by the binding of vesicular stomatitis virus. Altstiel LD, et al. **J Virol** 1981 Jul;39(1):82-6

Regulation of protein synthesis in vesicular stomatitis virus-infected mouse L-929 cells by decreased protein synthesis initiation factor 2 activity. Centrella M, et al. **J Virol** 1982 Mar;41(3):781-91

Identification of promoter-proximal oligonucleotides and a unique dinucleotide, pppGpC, from in vitro transcription products of vesicular stomatitis virus. Chanda PK, et al. **J Virol** 1981 Jul;39(1):93–103

Synthesis of vesicular stomatitis virus negative-strand RNA in vitro: dependence on viral protein synthesis. Davis NL, et al. **J Virol** 1982 Mar;41(3):821–32

RNA polymerase-associated interactions near template promoter sequences of defective interfering particles of vesicular stomatitis virus. Isaac CL, et al. **J Virol** 1982 Jul; 43(1):241–9

In vitro reassembly of vesicular stomatitis virus skeletons. Newcomb WW, et al. **J Virol** 1982 Mar;41(3):1055–62

In vitro synthesis of triphosphate-initiated N-gene mRNA oligonucleotides is regulated by the matrix protein of vesicular stomatitis virus. Pinney DF, et al. **J Virol** 1982 Jun;42(3):897–904

PHYSIOLOGY

Uncoating of enveloped viruses. Lenard J, et al. **Cell** 1982 Jan;28(1):5–6

Cytopathic effects in mouse neuroblastoma cells during a non-permissive infection with a mutant of vesicular stomatitis virus. Dille BJ, et al. **J Gen Virol** 1981 Aug;55(Pt 2):343–54

Effect of a mutation in the VSV G protein on the synthesis and maturation of nucleocapsids. Marnell LL, et al. **J Gen Virol** 1982 May;60(Pt 1):165–9

Ultraviolet-irradiated vesicular stomatitis virus and defective-interfering particles are similar non-specific inhibitors of virus infection. Miller DK, et al. **J Gen Virol** 1982 Jun;60(Pt 2):327–33

Simian foamy virus pseudotypes of vesicular stomatitis virus: production and use in sero-epidemiological investigations. Schnitzer TJ. **J Gen Virol** 1982 Mar;59(Pt 1):203–6

Further studies on the inhibition of cellular protein synthesis by vesicular stomatitis virus. Jaye MC, et al. **Virology** 1982 Jan 15;116(1):148–62

Interferon induction by viruses. VIII. Vesicular stomatitis virus: [+/-]DI-011 particles induce interferon in the absence of standard virions. Sekellick MJ, et al. **Virology** 1982 Feb;117(1):280–5

ULTRASTRUCTURE

Structural domains of vesicular stomatitis virus. A study by differential scanning calorimetry, thermal gel analysis, and thermal electron microscopy. Brouillette CG, et al. **J Biol Chem** 1982 Jan 10;257(1):12–5

Role of the vesicular stomatitis virus matrix protein in maintaining the viral nucleocapsid in the condensed form found in native virions. Newcomb WW, et al. **J Virol** 1981 Jul;39(1):295–9

VESTIBULAR APPARATUS

Vestibular syndrome: clinical and pathophysiology considerations. Boghen D. **Adv Otorhinolaryngol** 1982; 28:33–8

Cochlear evaluation in relation to vestibular pathologies. Dufour JJ. **Adv Otorhinolaryngol** 1982;28:54–60

Sudden unilateral loss of vestibular function. Pfaltz CR, et al. **Adv Otorhinolaryngol** 1981;27:159–67

Provoked vestibular nystagmus and caloric reactions after sudden loss of vestibular function. Scherer H. **Adv Otorhinolaryngol** 1981;27:168–75

Anxiety and other neurotic symptoms in patients suffering from acoustic and vestibular disorders. Škovronsky O, et al. **Agressologie** 1981 Oct;22(C):25–6

Vestibular dysfunction in occupational chronic solvent intoxication. Arlien-Søborg P, et al. **Clin Otolaryngol** 1981 Aug;6(4):285–90

Vestibulitis as a manifestation of infectious mononucleosis: case report. Cater MW, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):369

Diagnosis and management of drop attacks of vestibular origin: Tumarkin's otolithic crisis. Black FO, et al. **Otolaryngol Head Neck Surg** 1982 Mar-Apr;90(2):256–62

[Anxiety and other neurotic symptoms in auditory and vestibular disorders] Skovroňský O, et al. **Cesk Otolaryngol** 1981 Oct;30(5):287–9 (Eng. Abstr.) **(Cze)**

[Vestibular-like reactions associated with minocycline (author's transl)] Garnier R, et al. **Therapie** 1981 May-Jun; 36(3):313–7 (Eng. Abstr.) **(Fre)**

[A factor analysis of cochleovestibular findings. (author's transl)] Fritze W, et al. **Arch Otorhinolaryngol** 1981; 232(3):245–52 (Eng. Abstr.) **(Ger)**

[Vertical 'X' sign test (author's transl)] Stoll W. **Arch Otorhinolaryngol** 1981;233(2):201–17 (Eng. Abstr.) **(Ger)**

[Measurement of temperature and sound pressure in the inner ear during application of the argon-laser (author's transl)] Thoma J, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):587–90 (Eng. Abstr.) **(Ger)**

[Disturbances of equilibrium in the aged] Rizzi C, et al. **Acta Biomed Ateneo Parmense** 1982;53(1):27–30 (Eng. Abstr.) **(Ita)**

[The vestibulo-acoustic syndrome as a part of vertebrobasilar circulatory insufficiency] Ionel C, et al. **Rev Chir [Otorinolaringol]** 1982 Jan-Mar;27(1):21–9 (Eng. Abstr.) **(Rum)**

[Hormone content of the blood in Ménière's disease and cochleovestibulopathy] Buianovskaia OA, et al. **Vestn Otorinolaringol** 1982 May-Jun;(3):40–4 (Eng. Abstr.) **(Rus)**

[Incidence of vestibular disorders in chronic suppurative otitis media] Grinchuk VI, et al. **Vestn Otorinolaringol** 1981 Jul-Aug;(4):10–2 (Eng. Abstr.) **(Rus)**

[Vestibular dysfunction in caisson workers exposed to combined industrial hazards] Rzaev RM. **Vestn Otorinolaringol** 1982 Jan-Feb;(1):20–3 (Eng. Abstr.) **(Rus)**

[The importance of optokinetic nystagmus examinations in otoneurology diagnosis] Kitanoski B, et al. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):91–4 **(Scr)**

[Vestibular lesions in herpes zoster oticus] Rišavi A, et al. **Vojnosanit Pregl** 1981 Nov-Dec;38(6):453–6 **(Scr)**

[Repercussions of the pathology of the central nervous system on the oculomotor system] Gavilán J, et al. **An Otorrinolaringol Ibero Am** 1981;8(5):381–90 **(Spa)**

ABNORMALITIES

Abnormalities, congenital anomalies and unusual anatomic variations of the endolymphatic sac and vestibular aqueduct: clinical, surgical, and radiographic correlations. Group I abnormalities. Arenberg IK. **Am J Otol** 1981 Jan; 2(3):248–68

ANATOMY & HISTOLOGY

Dimensions of the scala vestibuli and sectional areas of both scales. Zrunek M, et al. **Arch Otorhinolaryngol** 1981; 233(1):99–104

The vestibular system in the elderly. Babin RW, et al. **Otolaryngol Clin North Am** 1982 May;15(2):387–93

[Clinical anatomy of vestibular aqueduct and endolymphatic sac] Egami T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan; 84(1):107–10 **(Jpn)**

BLOOD SUPPLY

Vascular mechanisms in Meniere's disease. Theoretical considerations. Gussen R. **Arch Otolaryngol** 1982 Sep; 108(9):544–9 (47 ref.)

DRUG EFFECTS

Electronystagmographic findings in rats exposed to styrene or toluene. Tham R, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb;93(1-2):107–12

Drug-induced sudden hearing loss and vestibular disturbances. Federspil P. **Adv Otorhinolaryngol** 1981; 27:144–58 (48 ref.)

Vestibular ototoxicity in the chick: effects of streptomycin on equilibrium and on ampullary dark cells. Park JC, et al. **Am J Otolaryngol** 1982 Mar-Apr;3(2):117–27

Bobbing oscillopsia from gentamicin toxicity. Ramsden RT, et al. **Br J Audiol** 1982 May;16(2):147–50

Development of head control and vestibular responses in infants treated with aminoglycosides. Eviatar L, et al. **Dev Med Child Neurol** 1982 Jun;24(3):372–9

Vestibular ototoxicity in children: a retrospective study of 52 cases. Camarda V, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep;3(3):195–8

Aminoglycoside ototoxicity in the neonatal period: possible etiologic factor delayed postural control. Eviatar L, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):818–21

Effects of adenosine diphosphate administration on the vestibulo-oculomotor reflex of rabbits. Yamamoto K, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec; 89(6):1030–6

[Effects of nicotine on cochlear and vestibular structures and functions in guinea pigs] Oliveira JA, et al. **Rev Laryngol Otol Rhinol (Bord)** 1982;103(1):33–41 (Eng. Abstr.) **(Fre)**

[Vestibular side effects of contraceptives] Nagymajtényi E, et al. **Orv Hetil** 1981 Feb 22;122(8):455–7 **(Hun)**

[State of the hearing and equilibrium organs in workers exposed to carbon monoxide] Kowalska S. **Med Pr** 1981; 32(2):145–51 (Eng. Abstr.) **(Pol)**

EMBRYOLOGY

[In vitro organotypic development of the vestibular sensory epithelium of the embryonic mouse otocyst. A morphological and autoradiographic study (author's transl)] Raymond J, et al. **C R Seances Acad Sci [III]** 1982 Mar 22;294(12):639–44 (Eng. Abstr.) **(Fre)**

INJURIES

Simultaneous round and oval window fistulae in a child. Pashley NR. **Ann Otol Rhinol Laryngol** 1982 May-Jun;91(3 Pt 1):332–5

INNERVATION

Natural retinal image motion: origin and change. Collewijn H, et al. **Ann NY Acad Sci** 1981;374:312–29

Is transmission between the vestibular type I hair cell and its primary afferent chemical? Schessel DA, et al. **Ann NY Acad Sci** 1981;374:210–4

Cerebellar control of the vestibulo-ocular reflex--around the flocculus hypothesis. Ito M. **Annu Rev Neurosci** 1982; 5:275–96

Hippocampal EEG in normal mice and in mice with congenital vestibular defects. Frederickson CJ, et al. **Behav Neural Biol** 1982 Feb;34(2):121–31

Vestibular efferent neurons and catecholamine cell groups in the reticular formation of the pigeon. Eden AR, et al. **Neurosci Lett** 1981 Sep 25;25(3):239–42

[Significance of vestibular trophic function in the mechanism of the vestibulo-autonomic manifestations of motion sickness] Arlashchenko NI. **Kosm Biol Aviakosm Med** 1981; 15(3):89–91 **(Rus)**

METABOLISM

Permeability of the labyrinthine windows in guinea pigs. Tanaka K, et al. **Arch Otorhinolaryngol** 1981;233(1):67–73

GABA synthesis in isolated vestibulary tissue of chick inner ear. Meza G, et al. **Brain Res** 1982 Jun 3;241(1):157–61

PHYSIOLOGY

The dysrhythmia and the exponential constants of the postrotatory nystagmus qualities. Börjesson PO, et al. **Acta Otolaryngol (Stockh)** 1981 Sep-Oct;92(3-4):307–14

Vestibular neurotology Symposium on Vestibular Neurotology, Montreal, September 9–12, 1980. **Adv Otorhinolaryngol** 1982;28:1–148

Basic mechanisms of the peripheral vestibular system. Oosterveld WJ. **Adv Otorhinolaryngol** 1982;28:14–8

Vestibular and clinical reaction to middle ear pressure changes. Tjernström O. **Adv Otorhinolaryngol** 1982;28:61–7

Positional (provoked) vertigo treated by postural training, vestibular habituation training. Norre ME, et al. **Agressologie** 1981;22(B):37–44

The relationship of prone extension to other vestibular functions. Bundy AC, et al. **Am J Occup Ther** 1981 Dec; 35(12):782–7

Vestibular stimulation effect on language development in mentally retarded children. Kantner RM, et al. **Am J Occup Ther** 1982 Jan;36(1):36–41

Effect of state on nystagmus duration in the Southern California Postrotary Nystagmus Test. Montgomery PC, et al. **Am J Occup Ther** 1982 Mar;36(3):177–82

Expanded normative data: Southern California Postrotary Nystagmus Test. Punwar A. **Am J Occup Ther** 1982 Mar; 36(3):183–7

Transneuronal vestibular afferent influence on the nodular molecular layer synaptogenesis. Fritzsch B. **Anat Embryol (Berl)** 1981;162(2):199–208

Vestibular and oculomotor physiology: international meeting of the Bárány Society. **Ann NY Acad Sci** 1981;374:1–892

Some thoughts about the three neurons in the vestibular ocular reflex. Baker R, et al. **Ann NY Acad Sci** 1981; 374:171–88

Vestibular influence upon head-eye coordination. Barnes GR, et al. **Ann NY Acad Sci** 1981;374:560–70

Velocity storage, nystagmus, and visual-vestibular interactions in humans. Cohen B, et al. **Ann NY Acad Sci** 1981;374:421–33

Tullio phenomenon with torsion of the eyes and subjective tilt of the visual surround. Deecke L, et al. **Ann NY Acad Sci** 1981;374:650–5

Nystagmus, gaze shift, and self-motion perception during sinusoidal head and neck rotation. de Jong JM, et al. **Ann NY Acad Sci** 1981;374:590–9

Physiological mechanisms of the nystagmus produced by rotations about an earth-horizontal axis. Goldberg JM, et al. **Ann NY Acad Sci** 1981;374:40–3

Vestibular habituation in man and monkey during sinusoidal rotation. Jäger J, et al. **Ann NY Acad Sci** 1981;374:330–9

Unilateral habituation of vestibulo-ocular responses in the cat. Jeannerod M, et al. **Ann NY Acad Sci** 1981;374:340–51

Different effects involved in the interaction of saccades and the vestibulo-ocular reflex. Jürgens R, et al. **Ann NY Acad Sci** 1981;374:744–54

Influence of labyrinthine hypoactivity on gross motor development of infants. Kaga K, et al. **Ann NY Acad Sci** 1981;374:412–20

Aftereffects of vestibular and optokinetic stimulation and their interaction. Koenig E, et al. **Ann NY Acad Sci** 1981; 374:434–45

Early directional influence of visual motion cues on postural control in the falling monkey. Lacour M, et al. **Ann NY Acad Sci** 1981;374:403–11

Visually induced self-motion sensation adapts rapidly to left-right reversal of vision. Oman CM, et al. **Ann NY Acad Sci** 1981;374:352–60

Effects of gravity on rotatory nystagmus in monkeys. Raphan T, et al. **Ann NY Acad Sci** 1981;374:44–55

Modifications of vestibular nystagmus produced by fixation of visual and nonvisual targets. Schmid R, et al. **Ann NY Acad Sci** 1981;374:689–705

Dynamic characteristics of the otolithic oculomotor system. Tokita T, et al. **Ann NY Acad Sci** 1981;374:56–68

Ocular torsion on earth and in weightlessness. Young LR, et al. **Ann NY Acad Sci** 1981;374:80–92

Sensitivity of the vestibular system to acoustic stimuli. Wit HP, et al. **Arch Otorhinolaryngol** 1982;234(2):205–11

The vestibulo-ocular reflex in man during voluntary head oscillation under three visual conditions. Jell RM, et al. **Aviat Space Environ Med** 1982 Jun;53(6):541–8

Objective evaluation of vestibular resistance depending on the direction of change of nystagmus parameters after cumulation of coriolis acceleration. Sidel'nikov IA. **Biol Bull Acad Sci Ussr** 1981 Mar-Apr;8(2):165–71

Visual–vestibular interaction in the control of eye movement: mathematical modelling and computer simulation. Buizza A, et al. **Biol Cybern** 1982;43(3):209–23

Influence of cholinomimetics and cholinolytics on vestibular compensation. Abeln W, et al. **Brain Res** 1981 Oct 19; 222(2):458–62

Cat medial pontine reticular neurons related to vestibular nystagmus: firing pattern, location and projection. Curthoys IS, et al. **Brain Res** 1981 Oct 5;222(1):75–94

The variable gain element of the vestibulo-ocular reflex is common to the optokinetic system of the cat. Demer JL. **Brain Res** 1981 Dec 14;229(1):1–13

Effects of vestibulospinal lesions upon locomotor function in cats. Yu J, et al. **Brain Res** 1981 Sep 7;220(1):179–83

Power and non-significant research results [letter] Ottenbacher K. **Dev Med Child Neurol** 1981 Oct; 23(5):663–6

Recording of short latency vestibular evoked potentials to acceleration in rats by means of skin electrodes. Elidan J, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):501–5

Visual–vestibular interaction: effect of prolonged stimulation on the vestibulo-oculomotor reflex responses. Honrubia V, et al. **Exp Neurol** 1982 May;76(2):347–60

Effects of vestibular stimulation on motor development and stereotyped behavior of developmentally delayed children. MacLean WE Jr, et al. **J Abnorm Child Psychol** 1982 Jun; 10(2):229–45 (39 ref.)

Vestibular (semicircular canal) primary neurons in bullfrog: nonlinearity of individual and population response to rotation. Segal BN, et al. **J Neurophysiol** 1982 Apr; 47(4):545–62

Electrophysiologic analysis of auditory, vestibular and brain stem function in chronic renal failure. Hutchinson JC Jr, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):833–43 (42 ref.)

Influence of passive and active vestibular stimulation on balance of young children. Gabert TE, et al. **Percept Mot Skills** 1982 Apr;54(2):548–50

Responses of cerebellar fastigial neurons to neck and macular vestibular inputs. Stanojević M. **Pflugers Arch** 1981 Oct; 391(4):267–72

Effects of vestibular stimulation in seizure-prone children. An EEG study. Kantner RM, et al. **Phys Ther** 1982 Jan; 62(1):16–21

The phenomenon of vestibular recruitment. Janczewski G. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jul–Aug; 102(7–8):261–3

Directional changes in the vestibular ocular response as a result of adaptation to optical tilt. Callan JW, et al. **Vision Res** 1982;22(1):37–42

The effect of convergence on the vestibulo-ocular reflex and implications for perceived movement. Post RB, et al. **Vision Res** 1982;22(4):461–5

[A mathematical model for vestibulo–ocular reflex (author's transl)] Zhao SL, et al. **Sheng Li Ko Hsueh Chin Chan** 1981 Feb;12(2):157–9 **(Chi)**

[Peculiarities of movement perception in adolescent drivers. Vestibulovisual perceptions] Popivanova C. **Acta Otorhinolaryngol Belg** 1981;35(3–4):343–50 **(Fre)**

[Perceptions of objects moving in space by adolescent drivers (vestibulo–visual perception)] Popivanova C. **Agressologie** 1981;22(B):59–62 (Eng. Abstr.) **(Fre)**

[Electrophysiological study of auditory pathways and the vestibular system in tumor pathology of the 8th cranial nerve and of the cerebellopontile angle] Coser PL, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 May–Jun; 102(5–6):239–44 (Eng. Abstr.) **(Fre)**

[Effects of increased temperature on the sensory transduction process induced by frog ampullar receptors] Zucca G, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):228–34 (Eng. Abstr.) **(Ita)**

[The role of vegetative reactions in evaluation of the state of balance system in persons working in conditions of altitude (author's transl)] Latkowski B, et al. **Przegl Lek** 1981;38(8):633–5 (Eng. Abstr.) **(Pol)**

[Features of the lifting reflex in the white rat following prolonged space flight (effect of weightlessness and artificial gravity)] Alzikov GS, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):722–5 (Eng. Abstr.) **(Rus)**

[Quantitative distribution of nucleolar nucleic acids in the Purkinje cells during vestibular stimulation and immobilization of rats] Mikeladze ZA, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):105–8 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the anterior suprasylvian gyrus to electric stimulation of the vestibular apparatus in the cat] Dem'ianenko VS. **Fiziol Zh SSSR** 1981 May;67(5):760–3 **(Rus)**

[Mechanism of otolithic nystagmus] Stolbkov IuK. **Fiziol Zh SSSR** 1981 May;67(5):732–7 **(Rus)**

[Noise and vibration exposure effects on vestibular and visual functions in adolescents] Popivanova Ts. **Gig Sanit** 1981 Sep;(9):58–9 **(Rus)**

[Results of a study of vestibular function and space perception in cosmonauts] Iakovleva IIa, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):20–6 (Eng. Abstr.) **(Rus)**

[Optokinetic effects and the development of motion sickness] Kornilova LN, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):67–70 (Eng. Abstr.) **(Rus)**

[Opto–vestibular interaction based on nystagmometric data] Levashov MM, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):51–5 (Eng. Abstr.) **(Rus)**

[Effect of caloric stimulation of the vestibular apparatus on hearing function] Tsurikova GP. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):55–8 (Eng. Abstr.) **(Rus)**

[Sensitivity of the vestibular apparatus to galvanic current stimulation] Syromiatnikov IuP, et al. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):33–7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Vestibular investigations in Meniere's disease. Hulshof JH, et al. **Acta Otolaryngol (Stockh)** 1981 Jul–Aug; 92(1–2):75–81

Reliability of central vestibular signs in identification of posterior fossa pathology. Kumar A. **Adv Neurol** 1981; 30:291–9

Sudden loss of cochlear and vestibular function. **Adv Otorhinolaryngol** 1981;27:1–197

Effects of a vestibular stimulation program on stereotypic rocking behavior. Bonadonna P. **Am J Occup Ther** 1981 Dec;35(12):775–81

Abnormalities of the vestibulo–ocular response in congenital esotropia. Hoyt CS. **Am J Ophthalmol** 1982 Jun;93(6):704–8

Visual–vestibular interaction in central nervous system disorders. Kato I, et al. **Ann NY Acad Sci** 1981;374:764–73

Vestibular and neurological disorders in diving competitors. Krejcova H, et al. **Ann NY Acad Sci** 1981;374:839–45

A hypothetical explanation for periodic alternating nystagmus: instability in the optokinetic–vestibular system. Leigh RJ, et al. **Ann NY Acad Sci** 1981;374:619–35

Impaired suppression of vestibular nystagmus by fixation of visual and acoustic targets in neurological patients. Mira E, et al. **Ann NY Acad Sci** 1981;374:706–21

Eye–velocity programming in brain–stem disorders. Wennmo C, et al. **Ann NY Acad Sci** 1981;374:774–83

Effects of the single-electrode cochlear implant on the vestibular system of the profoundly deaf adult. Eisenberg LS, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1982 Mar–Apr; 91(2 Pt 3 Suppl 91):47–54

Neuro–otology of the lateral medullary infarct syndrome. Estañol B, et al. **Arch Neurol** 1982 Mar;39(3):176–9

The optokinetic test: interaction of the vestibular and optokinetic system in normal subjects and patients with vestibular disorders. Pfaltz CR, et al. **Arch Otorhinolaryngol** 1982;234(1):21–31

Variability and habituation of nystagmic responses to hot caloric stimulation of normal subjects. Evidence that this test may be inapplicable to monitoring drug–induced vestibular toxicity. Davey PG, et al. **J Laryngol Otol** 1982 Jul;96(7):599–612

E.N.G. after head injury. Kirtane MV, et al. **J Laryngol Otol** 1982 Jun;96(6):521–8

Cochleo–vestibular correlates of tinnitus: tinnitogram. Douek E. **J Laryngol Otol [Suppl]** 1981;(4):107–10

Tinnitus and physiological correlates of the cochleo–vestibular system: peripheral; central. Tonndorf J. **J Laryngol Otol [Suppl]** 1981;(4):18–20

Physiological basis for enduring vestibular symptoms. Rudge R, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb; 45(2):126–30

Adaptation to altered support and visual conditions during stance: patients with vestibular deficits. Nashner LM, et al. **J Neurosci** 1982 May;2(5):536–44

About teaching otoneurology. Barber HO. **J Otolaryngol** 1982 Jun;11(3):141–7

Optokinetic after–nystagmus in man after loss or reduction of labyrinthine function – a preliminary report. Ireland DJ, et al. **J Otolaryngol** 1982 Apr;11(2):86–90

The correlation between the vestibulo–ocular system and the vestibulo–spinal system in Ménière's disease based on categorical principal component analysis. Imoto T, et al. **ORL J Otorhinolaryngol Relat Spec** 1982;44(1):6–23

Comparison of vestibulo–ocular and vestibulospinal screening tests. Black FO, et al. **Otolaryngol Head Neck Surg** 1981 Sep–Oct;89(5):811–7

Acute toluene poisoning. Electroneurophysiological and vestibular investigations. Biscaldi GP, et al. **Toxicol Eur Res** 1981 Nov;3(6):271–3

[Optokinetic reactivity and vestibular disorders of central origin (author's transl)] Gabersek V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):267–76 (Eng. Abstr.) **(Fre)**

[Vestibular system in flight (conclusion of the 13 th Symposium of French Electronystagmography) (author's transl)] Bordes LR. **Rev Otoneuroophtalmol** 1981 Jul–Sep; 53(4):343–7 (Eng. Abstr.) **(Fre)**

[Clinical vestibular and electronystagmographic aspects of benign cerebellar vascular accidents (author's transl)] Proust B, et al. **Rev Otoneuroophtalmol** 1982 Jan–Feb; 54(1):17–24 (Eng. Abstr.) **(Fre)**

[Value of the case history in the diagnosis of vestibular vertigo] Hoff P. **Z Arztl Fortbild (Jena)** 1981 Mar 15; 75(6):274–6 **(Ger)**

[Abnormal obstetric presentation—consequence of defective vestibular function (author's transl)] Tymnik G, et al. **Zentralbl Gynakol** 1981;103(16):952–6 (Eng. Abstr.) **(Ger)**

[Disturbances of vestibular function in chronic brucellosis (author's transl)] Krochmalska E, et al. **Otolaryngol Pol** 1982;36(1):1–8 (Eng. Abstr.) **(Pol)**

[Group vestibulogram in the evaluation of the vestibular apparatus] Poóspiech L. **Otolaryngol Pol** 1981; 35(3):199–204 (Eng. Abstr.) **(Pol)**

[Caloric swing test] Ukleja Z, et al. **Otolaryngol Pol** 1981; 35(3):205–11 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of the asymmetric course of vestibular reactions in peripheral and central hemispheric lesions] Blagoveshchenskaia NS. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):3–7 (20 ref.) (Eng. Abstr.) **(Rus)**

[Vestibular–vascular reactions in internal ear dysfunction] Petrova EI, et al. **Vestn Otorinolaringol** 1981 Nov–Dec; (6):8–13 (Eng. Abstr.) **(Rus)**

[Vestibular function tests of flight personnel with chronic diseases at a period of stable remission] Lapaev EV, et al. **Voen Med Zh** 1982 May;(5):44–6 **(Rus)**

[Vertigo as one of the symptoms of the initial manifestations of a deficient blood supply to the brain in neurocirculatory dystonias] Agakhanova DG. **Zh Nevropatol Psikhiatr** 1981; 81(9):1294–7 (Eng. Abstr.) **(Rus)**

[Otoneurologic aspects of the pathogenesis and treatment of acute myalgias and disk diseases] Pichanič M. **Cesk Otolaryngol** 1982 Apr;31(2):86–92 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

Polytomography in Ménière's disease: an update. Austin DF. **Laryngoscope** 1981 Oct;91(10):1669–75

[Radiologic study of the vestibular aqueduct in endolymphatic hydrops] Soler F, et al. **An Otorrinolaringol Ibero Am** 1981;8(4):341–5 **(Spa)**

ULTRASTRUCTURE

Human vestibular epithelia: prospects for future study. Galey FR, et al. **Am J Otol** 1981 Oct;3(2):126–33

VESTIBULAR AQUEDUCT see under **VESTIBULAR APPARATUS**

VESTIBULAR FUNCTION TESTS

Follow–up vestibular examination in Menière's disease. Hulshof JH, et al. **Acta Otolaryngol (Stockh)** 1981 Nov–Dec;92(5–6):397–401

Evaluation of multiple–frequency rotatory testing in patients with peripheral labyrinthine weakness. Jenkins HA, et al. **Am J Otolaryngol** 1982 May–Jun;3(3):182–8

Visual suppression of caloric nystagmus in brain–stem lesions. Takemori S, et al. **Ann NY Acad Sci** 1981;374:846–54

Central vestibular signs, posterior fossa pathology and computerized tomography–regional blood brain circulation. Kumar A, et al. **Ann Otol Rhinol Laryngol** 1981 Nov–Dec;90(6 Pt 1):624–9

Normal vestibular responses to air caloric tests in children. Andrieu–Guitrancourt J, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep;3(3):245–50

Failure of suppression of post–caloric nystagmus by fixation. Katsarkas A, et al. **J Otolaryngol** 1982 Feb;11(1):57–9

Temperature characteristics of squirrel monkey horizontal semicircular canals during caloric irrigation. Wilpizeski C. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):678–84

[Investigation of the influence of vigilance on the nystagmic reaction (author's transl)] Ranacher G, et al. **Arch Otorhinolaryngol** 1982;234(3):267–76 (Eng. Abstr.) **(Ger)**

[Early diagnosis of acoustic neuroma by the vestibular tests. Indication for computerized tomography and cisternomeatography (author's transl)] Haid T, et al. **HNO** 1981 Nov;29(11):357–63 (Eng. Abstr.) **(Ger)**

[Evaluation of the brainstem function and prognosis of comatose patients by means of the auditory brainstem response and caloric tests (author's transl)] Baba S. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Dec 20; 84(12):1542–53 (Eng. Abstr.) **(Jpn)**

[Study on vestibular function in pupils of primary and secondary schools in the Kanagawa prefecture (Fourth report) (author's transl)] Tokumasu K, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):24–39 (Eng. Abstr.) **(Jpn)**

[Considerations on the study of the vestibular apparatus] Ionescu N. **Rev Chir [Otorinolaringol]** 1981 Oct–Dec; 26(4):273–8 **(Rum)**

INSTRUMENTATION

[Modification of Grahe's table and its use] Černý E. **Cesk Otolaryngol** 1982 Apr;31(2):118–21 (Eng. Abstr.) **(Cze)**

METHODS

A new neurotological test for detecting cerebellar dysfunction. Yagi T, et al. **Ann NY Acad Sci** 1981; 374:526–31

Proceedings of the seminar on sinusoidal harmonic acceleration and computerized optokinetic tracking tests. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):1–36

Sinusoidal harmonic acceleration. Mathog RH. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):10–4

Comparison of subjective symptomatology and responses to harmonic acceleration in patients with Menière's disease. Olson JE, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1981

Jul-Aug;90(4 Pt 3 Suppl 86):15-7

Sinusoidal harmonic acceleration test in clinical practice. Rubin W. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul-Aug; 90(4 Pt 3 Suppl 86):18-25

Sinusoidal harmonic acceleration labyrinthine test: clinical experience. Simpson RA. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul-Aug;90(4 Pt 3 Suppl 86):26-8

Diagnostic advantages of the Torok monothermal differential caloric test. Kumar A. **Laryngoscope** 1981 Oct; 91(10):1678-94

The SHA test in vestibular diagnosis. Rubin W. **Laryngoscope** 1981 Oct;91(10):1702-4

Quantification of the vestibulo-ocular reflex and visual-vestibular interaction for the purpose of clinical diagnosis. Larsby B, et al. **Med Biol Eng Comput** 1982 Jan; 20(1):99-107

Comparison of vestibulo-ocular and vestibulospinal screening tests. Black FO, et al. **Otolaryngol Head Neck Surg** 1981 Sep-Oct;89(5):811-7

[Comparative values of unilateral and bilateral caloric bithermal vestibular tests in the diagnosis of acoustic neurinoma (author's transl)] Bodard M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(1-2):9-13 (Eng. Abstr.) **(Fre)**

[The diagnostic value of vertical nystagmus in the simultaneous bilateral calibrated caloric vestibular test (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7-8):343-51 (Eng. Abstr.) **(Fre)**

[The perverted nystagmus (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7-8):319-38 (Eng. Abstr.) **(Fre)**

[Pseudocaloric nystagmus (author's transl)] Toupet M, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(7-8):353-8 (Eng. Abstr.) **(Fre)**

[Vertical 'X' sign test (author's transl)] Stoll W. **Arch Otorhinolaryngol** 1981;233(2):201-17 (Eng. Abstr.) **(Ger)**

[Statokinesimetry on a tilting platform (author's transl)] Stoll W. **Arch Otorhinolaryngol** 1982;234(1):105-23 (Eng. Abstr.) **(Ger)**

[Air caloric tests] Kaźmierczak H, et al. **Otolaryngol Pol** 1981; 35(3):213-20 (Eng. Abstr.) **(Pol)**

[Caloric swing test] Ukleja Z, et al. **Otolaryngol Pol** 1981; 35(3):205-11 (Eng. Abstr.) **(Pol)**

[Caloric vestibular test using air] Bulaev IuO, et al. **Vestn Otorinolaringol** 1982 May-Jun;(3):36-9 (Eng. Abstr.) **(Rus)**

[Cupulometry as a method for clinical study of the ampullar receptor] Pal'chun VT, et al. **Vestn Otorinolaringol** 1982 Jan-Feb;(1):16-20 (Eng. Abstr.) **(Rus)**

[Significance of respiratory minute volume indices in evaluating vestibular stability] Gusarov AS. **Voen Med Zh** 1981 Aug;(8):48-50 **(Rus)**

VESTIBULAR NERVE

Positional test in acute vestibular disorders. Haid T. **Adv Otorhinolaryngol** 1981;27:176-89

Experimental viral infections of the inner ear. III. Viremic spread of reovirus to hamster eighth nerve ganglion cells. Davis LE. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):90-3

ENG quiz. Vestibular neuronitis. **Ear Nose Throat J** 1981 Sep;60(9):420-1

[Vestibular neuronitis and its differential diagnosis (author's transl)] Reker U. **HNO** 1981 Nov;29(11):349-56 (Eng. Abstr.) **(Ger)**

[Neuronitis vestibularis and polyarthritis acuta] Radosavljević M, et al. **Med Pregl** 1981;34(7-8):341-4 **(Scr)**

ANATOMY & HISTOLOGY

Scarpa's ganglion in the rat and guinea pig. Curthoys IS. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):107-13

Morphologic features of the normal and 'pathologic' vestibular nerve of man. Ylikoski J. **Ann J Otol** 1982 Jan; 3(3):270-3

Physiological and anatomical characteristics of primary vestibular afferent neurons in the bullfrog. Honrubia V, et al. **Int J Neurosci** 1981;15(4):197-206

CYTOLOGY

Scarpa's ganglion in the cat. Richter E, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):423-31

Vestibular axons form synapses on abnormally derived Mauthner cells. Model PG, et al. **Brain Res** 1982 Jan; 255(1):123-9

EMBRYOLOGY

The origin of efferent labyrinthine fibres: a comparative study in vertebrates. Strutz J. **Arch Otorhinolaryngol** 1982; 234(2):139-43

GROWTH & DEVELOPMENT

Modification of spontaneous activity in primary vestibular neurons during development in the cat. Romand R, et al. **Exp Brain Res** 1982;45(1-2):265-8

INJURIES

Auditory and vestibular damage in 100 work-related head injuries. Willson GN, et al. **J Laryngol Otol** 1981 Dec; 95(12):1213-9

MICROBIOLOGY

[Possible viral etiology of inner ear diseases (author's transl)] Hamann KF. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):591-2 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Vestibular nerve pathology and its impact on the therapy of Meniere's disease. Helms J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun; 102(5-6):185-7

[Quantitative findings on the morphology of the vestibular nerve in Menière's disease] Ritter J, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):385-96 (Eng. Abstr.) **(Ger)**

[Light and electron microscopic study of the vestibular nerve and Scarpa's ganglion in Ménière's disease] Ritter J, et al. **Acta Otolaryngol (Stockh)** 1981 Sep-Oct;92(3-4):293-305 (Eng. Abstr.) **(Ger)**

[Scarpa's ganglion with increasing age, in Menière's disease and otosclerosis (author's transl)] Richter E. **Laryngol Rhinol Otol (Stuttg)** 1981 Oct;60(10):542-4 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Dynamic range of the frequency response of the horizontal vestibulo-ocular reflex of the alert rhesus monkey. Furman JM, et al. **Acta Otolaryngol (Stockh)** 1982 Jan-Feb; 93(1-2):81-91

Peripheral vestibular receptors: functional aspects. Goldberg JM. **Am J Otol** 1981 Jul;3(1):68-9

Voluntary and visual control of the vestibuloocular reflex after cerebral hemidecortication. Sharpe JA, et al. **Ann Neurol** 1981 Aug;10(2):164-72

Phasic components of frog semicircular canal. Harada Y, et al. **Ann NY Acad Sci** 1981;374:31-9

The influence of the effect system on adaptation, temporary and permanent threshold shift. Handrock M, et al. **Arch Otorhinolaryngol** 1982;234(2):191-5

Responses of afferent and efferent neurons to visual inputs in the vestibular nerve of the frog. Caston J, et al. **Brain Res** 1982 May 20;240(1):141-5

Properties of secondary vestibular neurons fired by stimulation of ampullary nerve of the vertical, anterior or posterior, semicircular canals in the cat. Uchino Y, et al. **Brain Res** 1981 Nov 2;223(2):273-86

Specific reduction of development of the Mauthner neuron lateral dendrite after otic capsule ablation in Brachydanio rerio. Kimmel CB, et al. **Dev Biol** 1982 Jun;91(2):468-73

Tonic influence from one labyrinth onto the contralateral one. An electrophysiological study in the frog. Bricout-Berthout A, et al. **Exp Brain Res** 1982; 45(1-2):295-302

Location and vestibular responses of interstitial and midbrain reticular neurons that project to the vestibular nuclei in the cat. Fukushima K, et al. **Exp Brain Res** 1982; 45(1-2):303-12

Eye movements and vestibular-nerve responses produced in the squirrel monkey by rotations about an earth-horizontal axis. Goldberg JM, et al. **Exp Brain Res** 1982;46(3):393-402

Single neuron activity related to natural vestibular stimulation in the cat's visual cortex. Vanni-Mercier G, et al. **Exp Brain Res** 1982;45(3):451-5

Trigeminal stimulation modulates vestibular unitary activity. Petrosini L, et al. **Experientia** 1982 Mar 15;38(3):363-5

New findings about interrelations between vestibular receptors in the fog. Caston J, et al. **J Neurophysiol** 1982 Jan;47(1):55-9

Electrophysiologic evidence for involvement of acetylcholine as a neurotransmitter in the lateral vestibular nucleus. Ito J, et al. **Otolaryngol Head Neck Surg** 1981 Nov-Dec;89(6):1025-9

Structure and function of the primary vestibular innervation. Ehrenberger K. **Rev Laryngol Otol Rhinol (Bord)** 1981 May-Jun;102(5-6):203-8

[Brain stem potential elicited by electrical stimulation of the vestibular and cochlear nerves : an animal experiment (author's transl)] Saito A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):62-9 (Eng. Abstr.) **(Jpn)**

[Bilateral vestibulo-somatic integration on neurons of the anterior suprasylvian region of the cat cerebral cortex] Dem'ianenko VS. **Fiziol Zh SSSR** 1981 Jul;67(7):1079-84 (Eng. Abstr.) **(Rus)**

[Relation between the spontaneous activity and dynamic characteristics of primary afferents of the lateral semicircular canal in frogs] Orlov IV. **Fiziol Zh SSSR** 1981 Dec;67(12):1798-1806 (Eng. Abstr.) **(Rus)**

[Vestibular Responses of neurons of the anterior suprasylvian region of the cat cortex and their interaction with responses to acoustic stimulation and stimulation of the facial nerve] Dem'ianenko VS. **Neirofiziologiia** 1981;13(4):353-8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Compensation of unilateral vestibular loss in vestibular neuronitis. Katsarkas A, et al. **Ann NY Acad Sci** 1981; 374:784-93

[The function of the vestibular organ and its disorders (author's transl)] Watanabe I. **No To Shinkei** 1981 Jul; 33(7):645-56 (17 ref.) **(Jpn)**

[Phase phenomena in the vestibular analyzer - vestibular recruitment] Blagoveshchenskaia NS. **Vestn Otorinolaringol** 1981 Nov-Dec;(6):3-8 (Eng. Abstr.) **(Rus)**

SURGERY

Binocular counterrolling during sustained body tilt in normal humans and in a patient with unilateral vestibular nerve section. Diamond SG, et al. **Ann Otol Rhinol Laryngol** 1982 Mar-Apr;91(2 Pt 1):225-9

[Tinnitus after microsurgical interventions at the internal auditory canal (author's transl)] Wigand ME, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Mar;61(3):132-4 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural findings in human vestibular nerve. An anatomo-clinical correlation. Felix H, et al. **Am J Otol** 1981 Oct;3(2):150-5

Vestibular ganglion of the squirrel monkey. Fermin CD, et al. **Ann Otol Rhinol Laryngol** 1982 Jan-Feb;91(1 Pt 1):44-52

Morphologically distinct classes of inhibitory synapses arise from the same neurons: ultrastructural identification from crossed vestibular interneurons intracellularly stained with HRP. Triller A, et al. **J Comp Neurol** 1981 Nov 20; 203(1):131-55

VESTIBULAR NUCLEI

[Changes in the posture of healthy rats following intracranial administration of brain extracts from animals with experimental vestibulopathies] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1981 Oct;91(10):404-6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Efferent vestibular neurons. Electrophysiological evidence for axon collateralization to cristae ampullares in the pigeon (Columba livia). Singh Khalsa SB, et al. **Acta Otolaryngol (Stockh)** 1981 Jul-Aug;92(1-2):83-8

Afferent projection from reticular nuclei, inferior olive and cerebellum to lateral vestibular nucleus of the cat as demonstrated by horseradish peroxidase. Ito J, et al. **Brain Res** 1982 Jan 14;231(2):427-32

Zonal organization of the floccular Purkinje cells projecting to the vestibular nucleus in cats. Sato Y, et al. **Brain Res** 1982 Jan 28;232(1):1-15

Zonal organization of the floccular Purkinje cells projecting to the group y of the vestibular nuclear complex and the lateral cerebellar nucleus in cats. Sato Y, et al. **Brain Res** 1982 Feb 25;234(2):430-4

Vestibulo-thalamic projection to the anterior suprasylvian cortex of the cat. Mergner T, et al. **Exp Brain Res** 1981; 44(4):455-8

The vestibular nuclei in the domestic hen (Gallus domesticus): VI. Afferents from the cerebellum. Wold JE. **J Comp Neurol** 1981 Sep 20;201(3):319-41

Cerebellar afferents from the vestibular and perihypoglossal nuclei in sheep studied with retrograde transport of horseradish peroxidase. Saigal RP, et al. **J Hirnforsch** 1982; 23(1):13-22

Demonstration of zonal projections from the cerebellar flocculus to vestibular nuclei in monkeys (Macaca fuscata). Balaban CD, et al. **Neurosci Lett** 1981 Dec 11;27(2):101-5

Projection of the auditory nerve to the medial vestibular nucleus. Tickle DR, et al. **Neurosci Lett** 1982 Jan 22; 28(1):1-7

[Afferent associative and commissural projections of vestibular cortical zone VI in cats] Makarov FN, et al. **Arkh Anat Gistol Embriol** 1982 Apr;82(4):25-30 **(Rus)**

CYTOLOGY

Secondary vestibulocerebellar projections to flocculonodular lobe in a prosimian primate, Galago senegalensis. Rubertone JA, et al. **J Comp Neurol** 1981 Aug 1; 200(2):255-72

An ultrastructural study of the development of synaptic endings in the nucleus vestibularis tangentialis of the chick embryo. Peusner KD. **Neuroscience** 1981;6(11):2335-50

DRUG EFFECTS

Diazepam enhances cerebellar inhibition on vestibular neurons. Pettorossi VE, et al. **Acta Otolaryngol (Stockh)** 1982 May-Jun;93(5-6):363-73

Inhibitory effects of motilin, somatostatin, [Leu]enkephalin, [Met]enkephalin, and taurine on neurons of the lateral vestibular nucleus: interactions with gamma-aminobutyric acid. Chan-Palay V, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3355-9

[Electronystagmographic changes induced by drugs active on the central vestibulo-ocular system. Recent experimental data (author's transl)] Bronner G, et al. **Rev Otoneuroophtalmol** 1981 Mar-Apr;53(2):95-110 (Eng. Abstr.) **(Fre)**

[Vestibular pharmacology (author's transl)] Matsuoka I.

Nippon Yakurigaku Zasshi 1981 Apr;77(4):337–46 (94 ref.) (Eng. Abstr.) (Jpn)

METABOLISM

Energy metabolism in the lateral vestibular nucleus in pyrithiamin-induced thiamin deficiency. McCandless DW. Ann NY Acad Sci 1982;378:355–64

Metabolic effects of sinusoidal roll tilt on the inferior olive or cat. D'Ascanio P, et al. Arch Ital Biol 1981 Dec; 119(4):341–56

On the presence of met 5-enkephalin receptors on the plasma membrane of Deiters' neurons and their modulation of GABA transport. Cupello A, et al. J Neurosci Res 1981; 6(5):579–83

Ethanol-induced changes in cyclic guanosine 3',5'-phosphate metabolism in mouse vestibular region. Eliasson SG, et al. Neuropharmacology 1981 Apr;20(4):397–403

PATHOLOGY

Thiamine deficiency limits glucose utilization and glial proliferation in brain lesions of symptomatic rats. Sharp FR, et al. J Cereb Blood Flow Metab 1982;2(2):203–7

PHYSIOLOGY

Horizontal eye movement signals in second-order vestibular nuclei neurons in the cat. Berthoz A, et al. Ann NY Acad Sci 1981;374:144–56

Responses of vestibulospinal neurons to neck and macular vestibular inputs in the presence or absence of the paleocerebellum. Boyle R, et al. Ann NY Acad Sci 1981; 374:373–94

Circularvection: psychophysics and single-unit recordings in the monkey. Büttner U, et al. Ann NY Acad Sci 1981; 374:274–83

The ascending tract of Deiters' and horizontal gaze. Highstein SM, et al. Ann NY Acad Sci 1981;374:102–11

Motion sickness due to vision reversal: its absence in stroboscopic light. Jones GM, et al. Ann NY Acad Sci 1981; 374:303–11

The brain-stem projection to the cerebellar flocculus relevant to optokinetic responses in cats. Kawasaki T, et al. Ann NY Acad Sci 1981;374:455–64

Neural activity in the nucleus reticularis tegmenti pontis in the monkey related to eye movements and visual stimulation. Keller EL, et al. Ann NY Acad Sci 1981; 374:249–61

Visual-vestibular interactions in visual cortical cells in the cat. Lahue RH Jr, et al. Ann NY Acad Sci 1981;374:262–73

Cat medial pontine neurons in vestibular nystagmus. Markham CH, et al. Ann NY Acad Sci 1981;374:189–209

Neuronal interaction between ipsilateral medial and lateral vestibular nuclei. Matsuoka I, et al. Ann NY Acad Sci 1981; 374:93–101

Patterns of vestibular and neck responses and their interaction: a comparison between cat cortical neurons and human psychophysics. Mergner T, et al. Ann NY Acad Sci 1981;374:361–72

The 'error' signals subserving adaptive gain control in the primate vestibulo-ocular reflex. Miles FA, et al. Ann NY Acad Sci 1981;374:513–25

Dynamics of vestibulo-ocular, vestibulocollic, and cervicocollic reflexes. Peterson BW, et al. Ann NY Acad Sci 1981;374:395–402

Visual-vestibular interaction in vestibular neurons: functional pathway organization. Precht W. Ann NY Acad Sci 1981; 374:230–48

Nonlinear characteristics of single neurons in the vestibular nuclei. Ryu JH, et al. Ann NY Acad Sci 1981;374:112–29

Reticulovestibular organization participating in generation of horizontal fast eye movement. Sasaki S, et al. Ann NY Acad Sci 1981;374:130–43

Acoustic-induced eye movements. Schaefer KP, et al. Ann NY Acad Sci 1981;374:674–88

Directional plasticity of the vestibuloocular reflex in the cat. Schultheis LW, et al. Ann NY Acad Sci 1981;374:504–12

Input-output activity of the primate flocculus during visual-vestibular interaction. Waespe W, et al. Ann NY Acad Sci 1981;374:491–503

A new neurotological test for detecting cerebellar dysfunction. Yagi T, et al. Ann NY Acad Sci 1981; 374:526–31

Active head rotations and eye-head coordination. Zangemeister WH, et al. Ann NY Acad Sci 1981;374:540–59

Circling behavior produced by unilateral lesions of the central vestibular system. Shima F, et al. Appl Neurophysiol 1982;45(3):255–60

Cerebellar influences on the response characteristic of vestibulospinal neurons to sinusoidal tilt. Boyle R, et al. Arch Ital Biol 1981 Sep;119(3):208–25

Functional organization of the dogfish vestibulocerebellum. Montgomery JC. Brain Behav Evol 1982;20(1–2):118–28

Microcomputer-based spike train analysis. Li HF, et al. Comput Programs Biomed 1981 Mar–Jun;13(1–2):61–72

Canal-neck interaction in vestibular nuclear neurons of the cat. Anastasopoulos D, et al. Exp Brain Res 1982; 46(2):269–80

Location and vestibular responses of interstitial and midbrain reticular neurons that project to the vestibular nuclei in the cat. Fukushima K, et al. Exp Brain Res 1982; 45(1–2):303–12

Effects of natural neck afferent stimulation on vestibulo-spinal neurons in the decerebrate cat. Kasper J, et al. Exp Brain Res 1981;44(4):401–8

Functional organization of premotor neurons in the cat medial vestibular nucleus related to slow and fast phases of nystagmus. Nakao S, et al. Exp Brain Res 1982; 45(3):371–85

Interlimb coordination in cat locomotion investigated with perturbation. II. Correlates in neuronal activity of Deiter's cells of decerebrate walking cats. Udo M, et al. Exp Brain Res 1982;46(3):438–47

Effect of bilateral ablation of the vestibular cerebellum on visual-vestibular interaction. Honrubia V, et al. Exp Neurol 1982 Mar;75(3):616–26

Effects of reversible lesions and stimulation of olivocerebellar system on vestibuloocular reflex plasticity. Demer JL, et al. J Neurophysiol 1982 Jun;47(6):1084–107

Relation between cell size and response characteristics of vestibulospinal neurons to labyrinth and neck inputs. Boyle R, et al. J Neurosci 1981 Sep;1(9):1052–66

Electrophysiologic evidence for involvement of acetylcholine as a neurotransmitter in the lateral vestibular nucleus. Ito J, et al. Otolaryngol Head Neck Surg 1981 Nov–Dec;89(6):1025–9

Optokinetic, vestibular, and optokinetic-vestibular responses in albino and pigmented rats. Lannou J, et al. Pflugers Arch 1982 Mar;393(1):42–4

The ego and the vestibulocerebellar system: some theoretical perspectives. Frick RB. Psychoanal Q 1982;51(1):93–122

[The vestibular nuclei as the integration center of central and peripheral afferent projections] Mameli O, et al. Boll Soc Ital Biol Sper 1981 Mar 30;57(6):672–7 (Eng. Abstr.) (Ita)

[Effects of ifenprodil on lateral vestibular nucleus neurons in the cat (author's transl)] Nagase T, et al. Nippon Yakurigaku Zasshi 1981 Nov;78(5):459–64 (Eng. Abstr.) (Jpn)

[Excitation of motor neurons of the nucleus of the accessory nerve in cats in response to stimulation of Deiters nucleus] Gura EV, et al. Neirofiziologiia 1981;13(5):515–9 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Further observations on the phenomenon of rebound nystagmus. Hood JD. Ann NY Acad Sci 1981;374:532–9

Primary position upbeat nystagmus. Another central vestibular nystagmus? Nakada T, et al. J Clin Neuro Ophthalmol 1981 Sep;1(3):185–9

[The differentiation between the reflex cervical nystagmus and the vascular cervical nystagmus (author's transl)] Hülse M. HNO 1982 May;30(5):192–7 (Eng. Abstr.) (Ger)

VESTIBULOPLASTY

[Late results of vestibular pocket formation after absolute alveolar ridge augmentation in the area of the anterior mandible] Liem KG, et al. Dtsch Zahnarztl Z 1982 Feb; 37(2):149–51 (Eng. Abstr.) (Ger)

[Role of reconstructive operations in the vestibule of the oral cavity in preventing periodontosis in adolescents] Korchak LF, et al. Stomatologiia (Mosk) 1981 Nov–Dec;60(6):32–3 (Eng. Abstr.) (Rus)

ADVERSE EFFECTS

[Mandibular resorption following vestibuloplasty and lowering of the floor of the mouth] Joos U, et al. Dtsch Zahnarztl Z 1982 Feb;37(2):117–20 (Eng. Abstr.) (Ger)

[Complications of Edlan-Mejchar original and modified vestibuloplasty] Löst C. Dtsch Zahnarztl Z 1982 Jun; 37(6):492–7 (Eng. Abstr.) (Ger)

INSTRUMENTATION

[Healing process of vestibuloplasties after the use of surgical dressing plates. An experimental study] Freitag V, et al. Dtsch Zahnarztl Z 1982 Feb;37(2):143–5 (Eng. Abstr.) (Ger)

METHODS

Long-term results of vestibulo-plasty of the mandible. Fazili M, et al. Int J Oral Surg 1981;10(Suppl 1):77–82

Preprosthetic mandibular vestibuloplasty with buccal mucosal graft. A 2-year follow-up study. Hillerup S. Int J Oral Surg 1982 Apr;11(2):81–8

Restructuring the topography of the mandibular ridge with gingival autografts. McHenry KR, et al. J Am Dent Assoc 1982 Apr;104(4):478–9

Autogenous dermal grafting vestibuloplasty in dogs. Rosner TM, et al. J Oral Maxillofac Surg 1982 Jan;40(1):9–12

Edentulous vestibuloplasty using the palatal graft technique. Amphlett J, et al. J Prosthet Dent 1982 Jul;48(1):8–14

Muscle tendon release and transposition for enhancement of mandibular denture stability. Friedlander AH. Oral Surg 1981 Nov;52(5):461–4

[Indications technic and results of mandibular vestibuloplasty and lowering of the mouth floor] de Koomen HA, et al. Dtsch Zahnarztl Z 1982 Jun;37(6):509–12 (Ger)

[Experimental study of 2 modifications of the Edlan-Mejchar operation in a unilateral comparison] Lange DE, et al. Dtsch Zahnarztl Z 1981 Jul;36(7):458–60 (Eng. Abstr.) (Ger)

[Role of plastic closure of the maxillary sinus with reference to prosthetic care] Pape HD, et al. Dtsch Zahnarztl Z 1982 Feb;37(2):107–9 (Eng. Abstr.) (Ger)

[Has the split-thickness graft proved itself as an oral mucosal replacement?] Riediger D. Dtsch Zahnarztl Z 1982 Feb; 37(2):146–8 (Eng. Abstr.) (Ger)

[Free mucosal graft: the Edlan-Mejchar operation (a supplement to the work of Marxer, Rateitschak and Hefti)] Germann MA. SSO Schweiz Monatsschr Zahnheilkd 1982 Apr;92(4):388–90 (Ger)

[Free mucosal transplant: the Edlan-Mejchar operation. A comparison] Marxer MA, et al. SSO Schweiz Monatsschr Zahnheilkd 1982 Jan;92(1):75–82 (Eng. Abstr.) (Ger)

[Possibility of skin grafts in mucogingival surgery] Cattabriga M. Minerva Stomatol 1981 Nov–Dec;30(6):479–84 (Eng. Abstr.) (Ita)

[Role of the vermilion border of the prolabium in primary cheiloplasty of bilateral facial clefts and the formation of the vestibule of the mouth] Kozin IA. Stomatologiia (Mosk) 1982 May–Jun;61(3):88–91 (26 ref.) (Rus)

VETERANS

Contribution of familial factors to the occurrence of cancer before old age in twin veterans. Hrubec Z, et al. Am J Hum Genet 1982 Jul;34(4):658–71

Follow-up of Vietnam veterans II. Social adjustment. Nace EP, et al. Drug Alcohol Depend 1980 Oct;6(4):209–14

Iatrogenic disease in hospitalized elderly veterans. Jahnigen D, et al. J Am Geriatr Soc 1982 Jun;30(6):387–90

[Health care for the disabled veterans of the Second World War] Ashurko PI. Sov Zdravookhr 1982;(3):46–9 (Rus)

[Combination of ischemic heart disease and chronic pneumonia in disabled World War II veterans] Lukash NV, et al. Vrach Delo 1981 Dec;(12):61–3 (Rus)

[Medical services for the disabled and veterans of war] Zelinskiĭ AN. Vrach Delo 1982 May;(5):6–9 (Rus)

PSYCHOLOGY

Meanings of combat and the development of posttraumatic stress disorder. Hendin H, et al. Am J Psychiatry 1981 Nov; 138(11):1490–3

Viet Nam combat veterans with legal difficulties: a psychiatric problem? Walker JI. Am J Psychiatry 1981 Oct; 138(10):1384–5

Institutional and community therapy of Hispanic veterans. Greenblatt M, et al. Curr Psychiatr Ther 1981;20:381–5

Reduction of the frequency of drug use of veterans Enrolled in an outpatient methadone maintenance treatment program. Eisenberg M, et al. Int J Addict 1981 Oct; 16(7):1277–80

Learning and reaction time performance in older veterans: relationship to attitudes and life satisfaction. Milligan WL, et al. Int J Aging Hum Dev 1981;13(2):151–68

Current excessive drinking among Vietnam veterans: a comparison with other veterans and non-veterans. Boscarino J. Int J Soc Psychiatry 1981 Autumn; 27(3):204–12

Vietnam and madness: dreams of schizophrenic veterans. Wilmer HA. J Am Acad Psychoanal 1982 Jan;10(1):46–65

Adjustment differences among male substance abusers varying in degree of combat experience in Vietnam. Penk WE, et al. J Consult Clin Psychol 1981 Jun;49(3):426–37

Electrodermal responses in post-traumatic syndromes. A pilot study of cerebral hemisphere functioning in Vietnam veterans. Brende JO. J Nerv Ment Dis 1982 Jun; 170(6):352–61

Vietnam veterans. Their problems continue. Walker JI, et al. J Nerv Ment Dis 1982 Mar;170(3):174–80

Why veterans choose Veterans Administration hospitalization: A multivariate model. Page WF. Med Care 1982 Mar;20(3):308–20

VETERANS ADMINISTRATION (U.S.) see UNITED STATES VETERANS ADMINISTRATION

VETERANS DISABILITY CLAIMS

see related DISABILITY EVALUATION

Assessment of Viet Nam veterans for posttraumatic stress disorder in Veterans Administration disability claims. Atkinson RM, et al. Am J Psychiatry 1982 Sep; 139(9):1118–21

ECONOMICS

[Economic effectiveness of measures aiming at lowering disability claims] Minachov FA, et al. Sov Zdravookhr 1981; (12):21–4 (Eng. Abstr.) (Rus)

LEGISLATION & JURISPRUDENCE

[Medical evaluation of disability in military insurance] Kiefer P. Z Unfallmed Berufskr 1981;74(3–4):119–25 (Fre)

[Various legal questions posed by disability evaluation in federal social insurance covering risk: disability in insurance, military insurance and compulsory accident insurance] Vaucher RF. Z Unfallmed Berufskr 1981;74(3–4):115–8 (Fre)

VETERANS HOSPITALS see HOSPITALS, VETERANS

VETERINARY MEDICINE

see related
ANIMAL DISEASES

Computer-based animal record system in a nonhuman primate colony. Beland MF, et al. **Am J Vet Res** 1981 Aug; 42(8):1456–9

Concentrations of methoxyflurane and nitrous oxide in veterinary operating rooms. Ward GS, et al. **Am J Vet Res** 1987 Feb;43(2):360–2

Veterinary pharmacy: an overview. Fillingim D. **Am Pharm** 1982 Jun;22(6):14–6

Pet remedies. Jakowski RM, et al. **Am Pharm** 1982 Jun; 22(6):19–24

Animal clinical chemistry and haematology for the toxicologist. Fowler JS. **Arch Toxicol [Suppl]** 1982;5:152–9

A survey of pet owner views of veterinarians in Brisbane environs – a behavioral approach. Chamala S, et al. **Aust Vet J** 1981 Nov;57(11):485–92

Risks of zoonoses in a veterinary service. Constable PJ, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):246–8

Veterinary medical school libraries in the United States and Canada 1977/78. Johnson KS, et al. **Bull Med Libr Assoc** 1982 Jan;70(1):10–20

SI units in veterinary medicine. Lumsden JH. **Can J Comp Med** 1982 Jan;46(1):103–4

Occupational dermatitis in veterinarians. Rudzki E, et al. **Contact Dermatitis** 1982 Jan;8(1):72–3

A questionnaire for the clinical assessment of veterinary adverse drug reactions. Hoskins JD, et al. **Cornell Vet** 1982 Jan;72(1):3–15

Computers and herd recording. Miller B. **In Pract** 1981 Jul; 3(4):16–9

Defense of military veterinary medicine [letter] **J Am Vet Med Assoc** 1981 Apr 15;178(8):772–5, 794–5, 799

Profile of AVMA-certified foreign graduates. Gloyd J, et al. **J Am Vet Med Assoc** 1981 Sep 1;179(5):435–6

Professional corporations and partnerships: some contrasts. Hannah HW. **J Am Vet Med Assoc** 1982 Jul 1;181(1):30–1

Pet owners and punitive damages. Hannah HW. **J Am Vet Med Assoc** 1981 Aug 1;179(3):224

When lawyers discuss legal malpractice--some parallels. Hannah HW. **J Am Vet Med Assoc** 1981 Sep 1;179(5):430–1

Eminent domain and your practice. Hannah HW. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1082–3

Veterinary clinics and the nonconforming use. Hannah HW. **J Am Vet Med Assoc** 1982 Mar 1;180(5):479

Malpractice insurance and antitrust laws. Hannah HW. **J Am Vet Med Assoc** 1981 Nov 1;179(9):870

Veterinarians, dog bite statutes, and liability. Hannah HW. **J Am Vet Med Assoc** 1981 Oct 1;179(7):662–3

Informed consent and consent forms. Hannah HW. **J Am Vet Med Assoc** 1982 Apr 1;180(7):720, 722

How to pick a practice associate. Herrick JB. **J Am Vet Med Assoc** 1982 Aug 1;181(3):291

The emerging consultant [editorial] Herrick JB. **J Am Vet Med Assoc** 1982 Jul 1;181(1):75

Providing veterinary consultation to banks. Herrick JB. **J Am Vet Med Assoc** 1982 Mar 1;180(5):553

Ingredients for success in a meat animal practice. Herrick JB. **J Am Vet Med Assoc** 1982 Apr 1;180(7):778

Emergency surgery: the patient versus the disease. Knecht CD. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1372–5

Public service overkill. Knirk HW. **J Am Vet Med Assoc** 1981 Oct 1;179(7):668–9

Fixed dose combination drugs. Rosenberg MC. **J Am Vet Med Assoc** 1982 Apr 1;180(7):723

Equine rectal tears—a malpractice problem. Stauffer VD. **J Am Vet Med Assoc** 1981 Apr 15;178(8):798–9

Brucellosis testing has a high malpractice exposure. Stauffer VD. **J Am Vet Med Assoc** 1981 Jun 1;178(11):1148

Welcome to the world of malpractice. Stauffer VD. **J Am Vet Med Assoc** 1981 May 15;178(10):1056

A business computer: is it for you? Wise JK. **J Am Vet Med Assoc** 1982 May 15;180(10):1237–8

Acquiring a computer system. Wise JK. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1484

American Society of Animal Science. Abstracts. **J Anim Sci** 1981;53 Suppl:1–569

Wider aspects of veterinary public health. Greathead MM. **J S Afr Vet Assoc** 1982 Mar;53(1):11–6

The veterinary surgeon, pets and psychotherapy. Odendaal JS. **J S Afr Vet Assoc** 1981 Dec;52(4):330–7 **(Eng, Afr)**

Address to the South African Veterinary Association Congress. Porter AR. **J S Afr Vet Assoc** 1982 Mar;53(1):3–6

Ornamental fishkeeping and the veterinary surgeon. Scott PW. **J Small Anim Pract** 1981 Jun;22(6):331–43

A computerized system for storing and querying clinical case record summaries. Thrusfield MV, et al. **J Small Anim Pract** 1981 Oct;22(10):669–79

Cutaneous form of bovine papular stomatitis in man. Bowman KF, et al. **JAMA** 1981 Dec 18;246(24):2813–8

A common-source outbreaks of ornithosis in veterinary surgeons. Palmer SR, et al. **Lancet** 1981 Oct 10; 2(8250):798–9

The problem client. **Mod Vet Pract** 1981 Apr;62(4):271–4

Tax-exempt competition. **Mod Vet Pract** 1981 Jul;62(7):512–7

Specialty practice: an overlooked resource? **Mod Vet Pract** 1981 Aug;62(8):585–9

The dying patient--doctor-client considerations. Antelyes J. **Mod Vet Pract** 1981 Apr;62(4):325–9

DVM-staff relations. Antelyes J. **Mod Vet Pract** 1981 Nov; 62(11):887–90

The best there is. Edelstein M. **Mod Vet Pract** 1981 Jul; 62(7):506–8

How shall I slay thee? let me count the ways. Eriewein DL. **Mod Vet Pract** 1981 Oct;62(10):747–8

Your borrowing power: use it to build financial success. Guess LD. **Mod Vet Pract** 1981 Nov;62(11):829–30, 832

Rubber stamps for medical records. Horton ML. **Mod Vet Pract** 1981 Aug;62(8):631–3

The role of veterinary medicine in times of disaster. Kay JM. **Mod Vet Pract** 1981 May;62(5):345–6

Burnout: yes it also happens to veterinarians. Stockner PK. **Mod Vet Pract** 1981 Oct;62(10):751–5

Understanding and coping with emotional clients. Voith VL. **Mod Vet Pract** 1981 May;62(5):394–6

The hunting veterinarian. Wolff N. **Mod Vet Pract** 1981 Nov; 62(11):825–8

No increase in multiple sclerosis among veterinarians [letter] Parton D, et al. **N Engl J Med** 1981 Oct 8;305(15):894

Multiple sclerosis among veterinarians [letter] Zanke B. **N Engl J Med** 1982 Apr 22;306(16):996–7

Castles of competence. Elliott RE. **NZ Vet J** 1981 May; 29(5):65–7

Feedback from the freezing works. Petersen GV. **NZ Vet J** 1981 Oct;29(10):171

Veterinary medicine and social work: a new avenue of access to mental health care. Crocken B. **Soc Work Health Care** 1981 Spring;6(3):91–4

Britain's role in tropical veterinary medicine: past, present and future. Sinclair KB. **Trans R Soc Trop Med Hyg** 1981; 75 Suppl:32–4

Management of herd health programs in midwestern dairies. Johnson DE. **Vet Clin North Am [Large Anim Pract]** 1981 Nov;3(2):253–70

Management of calf herd programs. LeBlanc MM. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):435–45

Computers in veterinary medicine. Lesch T. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):455–71

Assistance programs in nutrition management for diary farms. Lesch T, et al. **Vet Clin North Am [Large Anim Pract]** 1981 Nov;3(2):307–26

Embryo transfer for the bovine practitioner. Nash JG Jr. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):417–33

Management problems of large dairies. Smalley SA. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):289–305

Effective use of the diagnostic laboratory in dairy practice. Veit HP. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):375–401

The use of records in reproductive health and management programs for diary herds. Williamson NB. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):271–87

The human-companion animal bond and the veterinarian. Bustad LK, et al. **Vet Clin North Am [Small Anim Pract]** 1981 Nov; 11(4):787–810

History-taking and development of the examination record. Lees GE. **Vet Clin North Am [Small Anim Pract]** 1981 Aug; 11(3):441–52

The MD and DVM and PPPA [letter] Poth RG. **Vet Hum Toxicol** 1982 Feb;24(1):11

Managing a successful practice. **Vet Rec** 1981 Jun 27; 108(26):550–2

Committing the firm: the position of partners and employees. Hadley J. **Vet Rec** 1982 Jan 2;110(1):19

How I learned to live with the computer. Pinney MO. **Vet Rec** 1981 Nov 7;109(19):431–2

Central Veterinary Society's Centenary Prize Lecture. The profession and society. Porter A. **Vet Rec** 1981 Sep 5; 109(10):203–4

Computer systems in veterinary medicine. 4: Programming the machines. Sard DM. **Vet Rec** 1981 Aug 15;109(7):131–3

Weipers Lecture. The Wellcome Trust and veterinary research funding. Swann. **Vet Rec** 1981 Aug 29; 109(9):181–2

Insurance problems with horses. Vogel C. **Vet Rec** 1982 May 8;110(19):454

Measuring the market for veterinary pharmaceuticals. West CN. **Vet Rec** 1982 Feb 27;110(9):206–7

Burnout. Denholm BE. **VM SAC** 1981 Oct;76(10):1491–2

A reference file for small animal practices. Schindler RL. **VM SAC** 1981 Jul;76(7):982

Communication--1. Creative thinking: key to optimal communication. Stockner PK. **VM SAC** 1981 Sep; 76(9):1359–60

Communication--2. Observation: are things really as they seem? Stockner PK. **VM SAC** 1981 Oct;76(10):1499–1501

Barriers to communication. Stockner PK. **VM SAC** 1982 Jan; 77(1):116, 8

[Scientific and applied aspects of veterinary ecological control over the industrial technologies in animal husbandry] Petkov G, et al. **Vet Med Nauki** 1981; 18(10):3–11 (Eng. Abstr.) **(Bul)**

[What should be done with leftover animal drugs?] Boogaerdt J. **Tijdschr Diergeneeskd** 1982 Apr 1;107(7):292–4 **(Dut)**

[Prophylactic use of antibiotics in surgery] Klein WR. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):771–2 **(Dut)**

[The role of the practicing veterinarian in poultry farming] Meens MH. **Tijdschr Diergeneeskd** 1981 Sep 1; 106(17):903–13 **(Dut)**

[General schema for safety evaluation of residues of embryotoxic drugs (author's transl)] Delatour P, et al. **Ann Rech Vet** 1981;12(2):215–8 (Eng. Abstr.) **(Fre)**

[A survey on the use of antibiotics in veterinary medicine (author's transl)] Boisseau J. **Toxicol Eur Res** 1982 Mar; 4(2):77–82 (Eng. Abstr.) **(Fre)**

[Allergenic residues of veterinary drugs in food (author's transl)] Burgat-Sacaze V. **Toxicol Eur Res** 1982 Jan; 4(1):19–23 (Eng. Abstr.) **(Fre)**

[A German veterinarian in South African veterinary practice] Stampa S. **Berl Munch Tierarztl Wochenschr** 1982 May 1; 95(9):165–9 (Eng. Abstr.) **(Ger)**

[Governmental control of epidemics in fresh water fish--a new veterinary task] Steinbrecher H, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15; 94(20):409–10 **(Ger)**

[Veterinary insurance questions] Klos M. **Tierarztl Prax** 1979; 7(2):145–50 **(Ger)**

[Contribution made by veterinary medicine and veterinary service to hygiene and to preventive protection of health and animal stocks] Thamm H. **Z Gesamte Hyg** 1981 Apr; 27(4):293–5 (Eng. Abstr.) **(Ger)**

[Working conditions and psycho-physical predisposition of the personnel of the Veterinary Sanitary Inspection on detection of cysticercosis in cattle in the slaughterhouses] Kozakiewicz B. **Pol Arch Weter** 1981;23(1):43–61 (Eng. Abstr.) **(Pol)**

[Report on the health status in Spain and the activities of the General Directorate of Public Health and Veterinary Health (1978). National campaigns of vaccination against poliomyelitis, diphtheria, whooping cough and tetanus] **Rev Sanid Hig Publica (Madr)** 1979 Jan-Feb;53(1-2):5–50 **(Spa)**

[Research methods in veterinary epidemiology and their use by government services] Saiz Moreno L. **Rev Sanid Hig Publica (Madr)** 1979 Sep-Oct; 53(9–10):1381–93 (Eng. Abstr.) **(Spa)**

ECONOMICS

The economic efficiency of a veterinary preventive medicine and management program in Victorian dairy herds: an alternative viewpoint [letter] Alston JM, et al. **Aust Vet J** 1981 Dec;57(12):572–6

Free enterprise vs free service. Griffiths AO. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1352–3

Settlement without consent. Hannah HW. **J Am Vet Med Assoc** 1982 Jan 1;180(1):31

Gross income per case. Wise JK. **J Am Vet Med Assoc** 1981 May 15;178(10):1088

Variation in US veterinarians' 1980 incomes. Wise JK. **J Am Vet Med Assoc** 1981 Aug 15;179(4):382–4

Veterinary income per hour, 1980. Wise JK. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1423–4

Fringe benefits received by veterinarians, 1980. Wise JK. **J Am Vet Med Assoc** 1981 Oct 15;179(8):827–8

Veterinarians' incomes: 1977 vs 1980. Wise JK. **J Am Vet Med Assoc** 1981 Nov 15;179(10):1021–2

Variable gross: a new practice management philosophy. Dooley DR. **Mod Vet Pract** 1981 May;62(5):347–51

Who sets your fees? McCord R. **Mod Vet Pract** 1981 May; 62(5):355–8

The economics of herd health programs. MacKay RD. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):347–74

Feeling okay about your fees? Barton-Dobenin J, et al. **VM SAC** 1981 Jul;76(7):1050–4

Tax-wise: how to take the sting out of taxes. Blackman IL. **VM SAC** 1982 Jan;77(1):123–4

Fringe benefits: which ones are right for you? Finkle AA. **VM SAC** 1982 Jan;77(1):119–22

[Use of administrative and economic methods in managing veterinary affairs] Kostadinov I. **Vet Med Nauki** 1981; 18(9):84–9 (Eng. Abstr.) **(Bul)**

[Economic problems of veterinary parasitic diseases under conditions of current animal husbandry technology] Tarczyński S. **Wiad Parazytol** 1980;26(4–5):423–7 **(Pol)**

HISTORY

Historical perspective on the development of dairy practice. Goodger WJ, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1294–7

An historical profile of veterinary pharmacology and therapeutics. Ruckebusch Y. **J Vet Pharmacol Ther** 1982 Mar;5(1):1–20 (59 ref.)

D.E. salmon and the first bacterin. Niemi SM. **Mod Vet Pract** 1981 Dec;62(12):913–7

Discovery of the arthropod vector of disease. Smithcors JF. **Mod Vet Pract** 1981 May;62(5):371–4

Institute of Veterinary Pharmacology, Pharmacy, and Toxicology: its research (1961–1980). Wit JG. **Tijdschr Diergeneeskd** 1981 Oct;106(20):suppl 3:169–75

A history of the ARC's support of veterinary research. Henderson WM. **Vet Rec** 1981 Jul 11;109(2):29–34

BVA Centenary. The British Veterinary Association: an historical note. Snodgrass N. **Vet Rec** 1982 Mar 20; 110(12):279–88

[A thousand years of Bulgarian veterinary medicine] Kalupov I. **Vet Med Nauki** 1981;18(7):3–9 **(Bul)**

[25 years of the Veterinary Research Institute in Brno] Holub A. **Vet Med (Praha)** 1982 May;27(5):257–66 **(Cze)**
[Danish–Russian veterinary relations 1796–1976] Katić I. **Nord Vet Med** 1982;34 Suppl 1:1–319 **(Dan)**
[History and functions of the German Veterinary Institutes known as 'Tiergesundheitsämter' (author's transl)] Behrens H. **DTW** 1981 Aug 5;88(8):325–32 (Eng. Abstr.) **(Ger)**
[Experiences with the management of two 'movable veterinary investigation offices' in the East and the West during the last World War (author's transl)] Fritzsche K. **DTW** 1982 Feb 5;89(2):65–70 (Eng. Abstr.) **(Ger)**
[Physician and biochemist Emil Abderhalden (1877–1950) and his relation to veterinary medicine] Sackmann W. **Schweiz Arch Tierheilkd** 1982 Jan;124(1):1–10 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Use of a flotation tank to sling horses and cattle undergoing surgery to the limbs. Smith WN. **Aust Vet J** 1981 Oct; 57(10):441–3
Clinical equipment and liability. Hannah HW. **J Am Vet Med Assoc** 1982 Aug 1;181(3):218, 20
Effect of intravaginal devices and and Synovex–H implants on feedlot performance, cyclic activity and reproductive tract characteristics of beef heifers. Goodman JP, et al. **J Anim Sci** 1982 Mar;54(3):491–5
The computer: a veterinary guide to microprocessing. Feinberg E. **VM SAC** 1981 Oct;76(10):1425–8
The history and development of surgical tables for large animals. Wolff E. **VM SAC** 1981 Jul;76(7):1033–5
[Airbed for surgery on horses] Merkens HW. **Tijdschr Diergeneeskd** 1981 Sep 1;106(17):884–5 **(Dut)**

MANPOWER

The health characteristics of veterinarians in Illinois. Martin RJ, et al. **Int J Zoonoses** 1981 Jun;8(1):63–71
Change in the US veterinary population, 1977–1980. Wise JK. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1295–6

METHODS

Applied kinesiology: its use in veterinary diagnosis. Tiekert CG. **VM SAC** 1981 Nov;76(11):1621–3

STANDARDS

Castles of competence. Elliot RE. **Aust Vet J** 1981 Jul; 57(7):341–3
Farm animal Welfare Council. Advice to ministers on the need for further controls over the mutilation of farm animals. **Br Vet J** 1982 Jan–Feb;138(1):7–10
Sanitary standards and the courts. Hannah HW. **J Am Vet Med Assoc** 1982 May 1;180(9):1010
Waste anesthetic gases in surgeries [letter] Kronoveter KJ. **J Am Vet Med Assoc** 1982 Feb 15;180(4):358–9
BVA policy on animal experimentation. Seamer JH. **Vet Rec** 1982 Mar 13;110(11):241–4
[Current regulations controlling veterinary drugs] Drutev D. **Vet Med Nauki** 1981;18(5):91–100 (Eng. Abstr.) **(Bul)**
[Veterinarians' violation of the antibiotics law and legislation on the quality of the practice of veterinary medicine] Valent E. **Tijdschr Diergeneeskd** 1982 Jun 15;107(12):487–9 **(Dut)**

TRENDS

SI units in veterinary medicine. Lumsden JH. **Can Vet J** 1982 Jan;23(1):34–5
Historical perspective on the development of dairy practice. Goodger WJ, et al. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1294–7
Wooldridge Memorial Lecture. The veterinary profession: what of the future? Henderson WM. **Vet Rec** 1981 Oct 3;109(14):296–300
[Multi–year projection 1981–1986. Projection Development Coordinating Committee on Immunological Research] **Tijdschr Diergeneeskd** 1981 Sep 1;106(17):893–8 **(Dut)**
[Multi–year projection 1982–1986. Projection Development Coordinating Committee on Bacteriological and Mycological Research] **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):779–81 **(Dut)**
[Multi–year projection 1982–1986. Projection Development Coordinating Committee on Pharmacology and Toxicology] **Tijdschr Diergeneeskd** 1981 Aug 15; 106(16):832–5 **(Dut)**
[Multi–year concept 1982–1986: Developmental Concept Coordinating Commission on Research on Commercial Production in Animal Husbandry] **Tijdschr Diergeneeskd** 1981 Oct;106(19):1008–14 **(Dut)**
[Annual Congress and 128th general meeting, Congress theme: veterinary medicine: perspectives and horizons] **Tijdschr Diergeneeskd** 1981 Nov 1;106(21):1057–82 **(Dut)**
[Multiple–year plan 1982–1986: developmental plans of the Coordinating Commission for Reproduction Research] **Tijdschr Diergeneeskd** 1981 Sep 15;106(8):950–4 **(Dut)**
[Development prospect Coordination Committee Animal Housing and Husbandry Research] **Tijdschr Diergeneeskd** 1981 Nov 1;106(21):1100–5 **(Dut)**
[Multi–year Project 1982–1986. Development Project Coordinating Commission for Animal Nutrition Research] **Tijdschr Diergeneeskd** 1981 Dec 15;106(24):1294–7 **(Dut)**
[Multi–year project 1982–1986. Development Project Coordinating Commission fo Breeding Research] **Tijdschr Diergeneeskd** 1981 Dec;106(23):1234–5 **(Dut)**
[Multi–year project 1982–1986. Development Project Coordinating Commission for Milk Production for the years 1982–1986] **Tijdschr Diergeneeskd** 1981 Nov 15; 106(22):1169–74 **(Dut)**

VETERINARY SERVICE, MILITARY

[The activity of the veterinarian in the 'Bundeswehr' (author's transl)] von Hein D. **DTW** 1981 Nov 5; 88(11):489–91 (Eng. Abstr.) **(Ger)**

HISTORY

[As a parasitologist in the military veterinary services (author's transl)] Enigk K. **DTW** 1981 Nov 5;88(11):479–83 (Eng. Abstr.) **(Ger)**
[Activities of General Veterinary Surgeon of the German Army in breeding of horses during the war from 1939–45 (author's transl)] Frielinghaus E. **DTW** 1981 Nov 5; 88(11):457–61 **(Ger)**
[Veterinary medical equipment during the second world war (author's transl)] Grapentin F. **DTW** 1981 Nov 5; 88(11):473–5 (Eng. Abstr.) **(Ger)**
[Drugs used in military veterinary service during the second world war (author's transl)] Kaemmerer K. **DTW** 1981 Nov 5;88(11):461–73 (Eng. Abstr.) **(Ger)**
[Contribution to the horse isolation facility of an army in 1940/41 and to the experiences as a head of a horse isolation hospital (author's transl)] Voss HJ. **DTW** 1981 Nov 5; 88(11):483–6 (Eng. Abstr.) **(Ger)**
[The 100th anniversary of the birth of the Veterinary Surgeon General, Dr. Curt Schulze] Zieger W. **DTW** 1981 Nov 5;88(11):449–52 **(Ger)**

VIBRATION

Effects of pure–tone sound, impulse noise, and vibration on visual orientation. Pyykkö I, et al. **Am J Otolaryngol** 1982 Mar–Apr;3(2):104–11
Effect of continuous vibration on sural nerve action potentials. Ertekin N, et al. **Appl Neurophysiol** 1980; 43(6):305–12
The effects of vibration upon blood–viscosity and red–cell mobility: a study in vivo and in vitro. Ramcharan JE, et al. **Biorheology** 1982;19(1/2):341–52
Effects of attention on multiunit responses to vibration in the somatosensory regions of the monkey's brain. Poranen A, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):525–37
Comparison of some technical methods for the evaluation of whole–body vibration. Hansson JE, et al. **Ergonomics** 1981 Dec;24(12):953–63
Variations in response to whole–body vibration. Intensity dependent effects. Oborne DJ, et al. **Ergonomics** 1981 Jul; 24(7):523–30
Reliability of a vibration test in screening for predisposition to tenosynovitis. Kuorinka I, et al. **Eur J Applied Physiol** 1981;47(4):365–76
Factors affecting the perception of low–level vibration. Okada A, et al. **Eur J Applied Physiol** 1981;47(2):151–7
Central and peripheral effects of tonic vibratory stimuli to dorsal neck and extraocular muscles in the cat. Barbas H, et al. **Exp Neurol** 1981 Oct;74(1):67–85
Effect of vibration on static force sensation in man. Cafarelli E, et al. **Exp Neurol** 1981 Nov;74(2):331–40
Measurement of human head vibration. Kobayashi F, et al. **Ind Health** 1981;19(3):191–201
Quantitative observations on thermal and metabolic responses to cold of workers using vibrating tools. Futatsuka M, et al. **Int Arch Occup Environ Health** 1982 Feb;49(3–4):213–21
The influence of noise and vibration upon creatine kinase activity in blood serum. Jonderko G, et al. **Int Arch Occup Environ Health** 1982 Feb;49(3–4):209–12
Temporary threshold shift of vibratory sensation after clasping a vibrating handle. Nishiyama K, et al. **Int Arch Occup Environ Health** 1981;49(1):21–33
Strain dependence of dynamic Young's modulus for human single osteons. Frasca P, et al. **J Biomech** 1981;14(10):691–6
Action of vibration on the response of cat muscle spindle Ia afferents to low frequency sinusoidal stretching. Matthews PB, et al. **J Physiol (Lond)** 1981 Aug;317:365–81
Effect of vibrating agonist or antagonist muscle of the reflex response to sinusoidal displacement of the human forearm. Matthews PB, et al. **J Physiol (Lond)** 1981 Dec;321:297–316
A vibration injury: Dupuytrens contracture. Roberts FP. **J Soc Occup Med** 1981 Oct;31(4):148–50
The influence of multidirectional vibrations on wound healing and on regeneration of blood– and lymph vessels. Leduc A, et al. **Lymphology** 1981 Dec;14(4):179–85
The inhibitory effect of acupuncture on the tonic vibration reflex (TVR) in man. Homma I, et al. **Neurosci Lett** 1982 Mar 5;28(3):315–8
The hand and environment (3)--physiological changes of digital functions in two age groups studied by vibratory stimulations and a cold water immersion. Suzuki K, et al. **Nippon Seikeigeka Gakkai Zasshi** 1982 Feb 25;56(2):171–81
Enhancement of eye motor response and electrical brain activity during noise and vibration in rabbits. Pyykkö I, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb; 90(1):130–8
Vibration effects on three measures of relaxation. Johnson MD, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1071–6
Vibration and the human spine. Wilder DG, et al. **Spine** 1982 May–Jun;7(3):243–54
[On the improvement of discrimination of vibration stimuli by training in late aquired deafness (author's transl)] Schultz–Coulon HJ, et al. **HNO** 1982 Mar;30(3):96–100 (Eng. Abstr.) **(Ger)**
[Study on vibratory sensation of patients with Yusho (PCB poisoning) (author's transl)] Harada T, et al. **Fukuoka Igaku Zasshi** 1981 Apr;72(4):214–5 (Eng. Abstr.) **(Jpn)**
[Experimental study of the vibration analysis of tympanic membrane by holographic interferometry (author's transl)] Kimura Y. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Aug; 84(8):880–9 (Eng. Abstr.) **(Jpn)**
[Experimental study on penetration of aerosol into the paranasal cavity by vibration (author's transl)] Konno A, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jan;84(1):13–7 (Eng. Abstr.) **(Jpn)**
[The recent status of vibration hazards among workers at the state forests in Hokkaido (author's transl)] Saito K, et al. **Sangyo Igaku** 1980 Sep;22(5):348–54 (Eng. Abstr.) **(Jpn)**
[Studies of the propriety of the items adopted for the special health examination of vibration hazards at present (author's transl)] Saito K, et al. **Sangyo Igaku** 1980 Sep;22(5):355–67 (Eng. Abstr.) **(Jpn)**
[Group vestibulogram in the evaluation of the vestibular apparatus] Poóspiech L. **Otolaryngol Pol** 1981; 35(3):199–204 (Eng. Abstr.) **(Pol)**
[Effect of vibration on the eye] Harazin B, et al. **Pol Tyg Lek** 1981 Aug 3;36(31):1191–3 (Eng. Abstr.) **(Pol)**
[Urinary noradrenaline excretion in workers exposed to mechanic vibration and occupational noise] Sroczyński J, et al. **Pol Tyg Lek** 1981 Sep 7;36(36):1387–8 (Eng. Abstr.) **(Pol)**
[Relation between the spontaneous activity and dynamic characteristics of primary afferents of the lateral semicircular canal in frogs] Orlov IV. **Fiziol Zh SSSR** 1981 Dec;67(12):1798–1806 (Eng. Abstr.) **(Rus)**
[Experience with the operation of a Soviet noise and vibration measuring apparatus] Turianskiĭ AI, et al. **Gig Sanit** 1982 Jun;(6):64–5 **(Rus)**
[Reduction of the vibration of hand drills] Antonik IP, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):46–7 **(Rus)**
[Physiologic and hygienic evaluation of the vibration damper on transport helicopters] Matveev IuG, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):58–61 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Brain level and synthesis of acetylcholine during exposure to vibration and organic–phosphorus and phenol–derived pesticides. Górny D, et al. **Acta Physiol Pol** 1981 Jul–Aug; 32(4):469–76
A study of various function tests on the upper extremities for vibration syndrome. Harada N, et al. **Am Ind Hyg Assoc J** 1981 Dec;42(12):887–92
Discomfort judgements of translational and angular whole–body vibrations. Shoenberger RW. **Aviat Space Environ Med** 1982 May;53(5):454–7
Urinary excretion of hydroxyproline in workers occupationally exposed to vibration. Kasamatsu T, et al. **Br J Ind Med** 1982 May;39(2):173–8
Hand–arm vibration in the aetiology of hearing loss in lumberjacks. Pyykkö I, et al. **Br J Ind Med** 1981 Aug; 38(3):281–9
Traumatic ulceration of the cervix. Case report. Fiumara NJ, et al. **Br J Vener Dis** 1982 Jun;58(3):202–3
Raynaud's phenomenon in forestry workers in Quebec. Thériault G, et al. **Can Med Assoc J** 1982 Jun 15; 126(12):1404–8
Fragility of erythrocyte membranes in patients with vibration disease: a preliminary report. Ohno H, et al. **Ind Health** 1981;19(4):263–6
Impairment of peripheral nerve in vibrating tool operators examined by nerve conduction velocity. Hisanaga H. **Kurume Med J** 1981;28(4):303–13
[Importance of the cold water test in the diagnosis and prognosis of the Raynaud phenomenon induced by vibrating equipment] Lob M, et al. **Schweiz Med Wochenschr** 1982 Feb 20;112(8):269–72 **(Fre)**
[The assessment of whole–body vibrations (oscillations) with respect to their effect on seated or standing subjects (author's transl)] Kleinhanss G, et al. **Biomed Tech (Berlin)** 1982 Apr;27(4):87–95 (Eng. Abstr.) **(Ger)**
[Pallesthesiometry as a screening test in industrial medical examinations of workers with exposure of the hand–arm system to vibration] Krause P, et al. **Z Gesamte Hyg** 1981 Apr;27(4):281–7 (Eng. Abstr.) **(Ger)**
[Modification of visual perception by vibrations] Dupuis H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Mar;31(3):90–5 **(Ger)**
[Stress on ships crews caused by vibrations] Goethe H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Apr;31(4):156–60 **(Ger)**
[Problems of total–body vibration load in excavation machinery drivers] Hilfert R, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie**

1981 Apr;31(4):152–5 (Ger)

[Problems of whole body vibration stress in construction machine operators] Hilfert R, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 May;31(5):199–206 (Ger)

[Vibration-induced arteriopathies of the upper extremities: diagnosis and therapy] Benedetti-Valentini F Jr, et al. **Ann Ist Super Sanita** 1981;17(3):431–4 (Ita)

[Risk of local vibrations in a foundry: the industrial hygiene aspects] Bovenzi M, et al. **Ann Ist Super Sanita** 1981; 17(3):423–6 (Ita)

[The merit of assessing human exposure limits to vibrations] Nicoli M, et al. **Ann Ist Super Sanita** 1981;17(3):427–9 (Ita)

[May hand-arm vibration exposure be a hypertension-risk factor? (author's transl)] Gobbato F, et al. **Med Lav** 1981 Sep-Oct;72(5):389–98 (Eng. Abstr.) (Ita)

[Studies on the vibration disease – an attempt of a new classification (author's transl)] Ochi H. **Hokkaido Igaku Zasshi** 1982 Jan;57(1):1–20 (Eng. Abstr.) (Jpn)

[A study of occupational vibration-induced disease – correlation between digital angiographic findings in patients mainly with occupational chain saw vibration-induced disturbance and sensory disorder (sensation of digital numbness), and somatosensory evoked response (SER) (author's transl)] Habu K, et al. **Igaku Kenkyu** 1980 May;50(4):323–46 (Jpn)

[Diagnostic value of myoglobin quantification by radioimmunoassay as an index of muscle damage in patients with vibration disease (author's transl)] Kida T, et al. **Kaku Igaku** 1981 Jul;18(6):841–4 (Jpn)

[Clinical pictures of cases with protracted course in vibration disease (author's transl)] Matoba T, et al. **Nippon Naika Gakkai Zasshi** 1981 Apr 10;70(4):546–52 (Jpn)

[Vibration disorders in a factory producing concrete pipes and piles (author's transl)] Fukuchi Y, et al. **Sangyo Igaku** 1981 May;23(3):278–84 (Eng. Abstr.) (Jpn)

[The effect of aging on the peripheral functions in farmers and chain saw operators. Part 2. Age-related changes in skin temperature and hyperemia time after pressing the nail (author's transl)] Kasamatsu T, et al. **Sangyo Igaku** 1981 May;23(3):270–7 (Eng. Abstr.) (Jpn)

[Effects of immersion of hand in cold water (10 degrees C for 10 min) on the finger skin temperature of chain saw operators under different room temperatures (author's transl)] Kurumatan N, et al. **Sangyo Igaku** 1981 May; 23(3):310–1 (Jpn)

[On vibration hazards of chipping-hammer operators in an iron foundry. Part 1. Results of the first investigation (author's transl)] Matsumoto T, et al. **Sangyo Igaku** 1981 Jan;23(1):51–60 (Eng. Abstr.) (Jpn)

[Mailmen's vibration hazards induced by motorcycle riding (author's transl)] Matsumoto T, et al. **Sangyo Igaku** 1981 Sep;23(5):485–95 (Eng. Abstr.) (Jpn)

[Comparison of the cold water immersion tests at 5 degrees C and 10 degrees C for diagnosis of the vibration disease (author's transl)] Saito K, et al. **Sangyo Igaku** 1981 Jan; 23(1):33–41 (Eng. Abstr.) (Jpn)

[Blood serum viscosity in patients with advanced vascular forms of vibration disease] Turczyński B, et al. **Med Pr** 1980;31(6):469–74 (Eng. Abstr.) (Pol)

[Practical value of pallesthesiometry for the prevention and diagnosis of vibration disease] Iżycki J. **Pol Tyg Lek** 1981 Aug 3;36(31):1187–9 (Eng. Abstr.) (Pol)

[T and B lymphocytes in workers exposed to mechanical vibration and noise] Sobczyk J, et al. **Pol Tyg Lek** 1981 Oct-Dec;36(42–52):1613–6 (Eng. Abstr.) (Pol)

[Various rheological properties of blood in workers exposed to combined harmful effects of the work environment (mainly mechanical vibration and noise) and in patients with a vascular form of vibration disease] Turczyński B. **Pol Tyg Lek** 1981 Sep 21;36(38):1477–9 (Pol)

[Remarks on prognostic tests in environmental dermatology] Grzegorczyk L. **Przegl Dermatol** 1981 Mar-Apr; 68(2):237–43 (Eng. Abstr.) (Pol)

[Skin temperature changes after cooling as a test predicting the vascular form of vibration disease] Grzegorczyk L, et al. **Przegl Dermatol** 1981 May-Jun;68(3):311–5 (Eng. Abstr.) (Pol)

[Effect of some balneologic procedures on peripheral blood supply of upper extremities in persons professionally exposed to vibration (author's transl)] Bielski J, et al. **Przegl Lek** 1981;38(8):603–7 (Eng. Abstr.) (Pol)

[The use of thermographic method and of 133Xe clearance in diagnostic studies of peripheral blood circulation disturbances under effect of vibration (author's transl)] Koradecka D. **Przegl Lek** 1981;38(8):629–32 (Eng. Abstr.) (Pol)

[Use of plant and vitamin preparations to prevent stomach ulcers induced by immobilization, noise and vibration in rats] Mashchenko NP, et al. **Fiziol Zh** 1982 Jan-Feb; 28(1):103–6 (Rus)

[Noise and vibration exposure effects on vestibular and visual functions in adolescents] Popivanova Ts. **Gig Sanit** 1981 Sep;(9):58–9 (Rus)

[Working conditions in ore drawing and conveying using vibrating installations] Shevtsova VM, et al. **Gig Sanit** 1981 Jul;(7):79–81 (Rus)

[Vibration as an adverse factor of the indoor environment and its hygienic regulation] Shishkina VV, et al. **Gig Sanit** 1981 Dec;(12):16–9 (Eng. Abstr.) (Rus)

[Results of a 25-year study of noise and vibration as an environmental factors] Shitskova AP, et al. **Gig Sanit** 1981 Oct;(10):48–51 (Rus)

[Reduction of the vibration of hand drills] Antonik IP, et al. **Gig Tr Prof Zabol** 1982 Apr;(4):46–7 (Rus)

[Use of correlation analysis for detecting the signs of body functional state changes in workers in vibration-hazardous jobs] Artamonov NP. **Gig Tr Prof Zabol** 1981 Oct; (10):29–31 (Eng. Abstr.) (Rus)

[Importance of breaks in working with vibration-hazardous instruments] Butkovskaia ZM, et al. **Gig Tr Prof Zabol** 1981 Oct;(10):40–3 (Rus)

[Combined action of carbon monoxide and total vibration on the body] Kustov VV, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):15–8 (Eng. Abstr.) (Rus)

[Effect of the age at which a job with vibration exposure is started on the time the vibration disease develops] Mikulinskiĭ AM, et al. **Gig Tr Prof Zabol** 1982 May;(5):5–8 (Eng. Abstr.) (Rus)

[Differential diagnosis of peripheral vasomotor disorders of vibration and nonvibration origin] Petrenko BE, et al. **Gig Tr Prof Zabol** 1981 Jul;(7):8–11 (Eng. Abstr.) (Rus)

[Coagulopathy in miners with vibration disease] Pramatarov I, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):48–50 (Rus)

[Effect of local vibration on the diver during underwater work] Sterlikov AV, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):32–5 (Eng. Abstr.) (Rus)

[Research results and prospects in the prevention of the effect of noise and vibration on workers in the 11th Five-Year Plan] Suvorov GA. **Gig Tr Prof Zabol** 1982 May;(5):1–4 (Eng. Abstr.) (Rus)

[Effectiveness of vibration damping of the work seats on open-pit power shovels in the Kursk magnetic anomaly] Syromiatnikov IuP, et al. **Gig Tr Prof Zabol** 1981 Nov; (11):35–7 (Eng. Abstr.) (Rus)

[Effect on the body of 'low' vibration levels in combination with local muscle loading during the cutting of semiprecious stones] Tartakovskaia LIa, et al. **Gig Tr Prof Zabol** 1981 Nov;(11):38–41 (Eng. Abstr.) (Rus)

[Establishing permissible vibration levels at work sites for the operators of industrial equipment] Tartakovskaia LIa, et al. **Gig Tr Prof Zabol** 1982 May;(5):8–10 (Eng. Abstr.) (Rus)

[Health and hygiene evaluation of low-frequency vibrations occurring at work sites of operators of self-propelled agricultural machinery] Vlasenko VM, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):39–41 (Rus)

[Vibration and the pilots' assessment of said flight factor] Kamenskiĭ IuN. **Kosm Biol Aviakosm Med** 1982 May-Jun; 16(3):94–6 (Rus)

[Physiological and hygienic evaluation of the vibrations in a transport helicopter cockpit] Matveev IuG, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):22–5 (Eng. Abstr.) (Rus)

[Permeability of lymphatic vessels of the arm muscles in vibration disease] Abramovich-Poliakov DK, et al. **Vrach Delo** 1981 Mar;(3):113–5 (Eng. Abstr.) (Rus)

[Cerebral radiocirculographic studies in vibration disease] Abramovich-Poliakov DK, et al. **Vrach Delo** 1981 Oct; (10):100–3 (Eng. Abstr.) (Rus)

[Use of a permanent magnetic field for treating vibration disease] Naumenko BS, et al. **Vrach Delo** 1981 Dec; (12):106–8 (Rus)

[Vibration disease in metal grinders and a case report] Milovančević S. **Arh Hig Rada Toksikol** 1982;33(1):37–42 (Scr)

[Vasospastic symptoms (white fingers) in vibration exposed workers. Individual diagnostics and etiological factors] Gemne G. **Lakartidningen** 1981 Dec 2;78(49):4452–5 (Eng. Abstr.) (Swe)

DIAGNOSTIC USE

[Vibration sensitivity status of persons suffering from chronic alcoholism] Danilin VA, et al. **Gig Tr Prof Zabol** 1981 Aug; (8):52–3 (Rus)

THERAPEUTIC USE

More on the vibrating footpad [letter] Balk RA. **Am Rev Respir Dis** 1982 Jun;125(6):782–3

Vibrotactile stimulation for intersystemic reorganization in the treatment of apraxia of speech. Rubow RT, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):150–3

Acute pain relieved by vibratory stimulation [letter] Hansson P, et al. **Br Dent J** 1981 Oct 6;151(7):213

Application of hydroelastic waves to the removal of small gallstones. Wu YP, et al. **J Biomech Eng** 1981 May; 103(2):79–82

Reflex ejaculation under vibratory stimulation in paraplegic men. Brindley GS. **Paraplegia** 1981;19(5):299–302

[Effect of vibration massage on the restoration of disturbed functions of the extremities in sciatic nerve injury (an experimental study)] Trapeznikova NK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jul-Aug; (4):48–51 (Rus)

VIBRIO

[Daphnias as biological antagonists of NAG-vibrios] Avtsyn AP, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):48–50 (Rus)

ANALYSIS

Studies on membrane ATPase activity and lipid level in vibrio el tor under normal and nitrofurantoin resistant conditions. Gosh S, et al. **Acta Microbiol Pol** 1981; 30(3):231–8

Isolation and characterization of 3-acetamido-3,6-dideoxy-L-glucose from the core oligosaccharides obtained from the aquatic gram-negative bacteria Aeromonas hydrophila and Vibrio anguillarum. Banoub JH, et al. **Can J Biochem** 1981 Nov-Dec; 59(11–12):877–9

Polyacrylamide gel electrophoresis and infrared spectroscopy of vibrio biotypes. Maiti M, et al. **Can J Microbiol** 1981 Oct;27(10):1048–52

CLASSIFICATION

Characterization of biochemically atypical Vibrio cholerae strains and designation of a new pathogenic species, Vibrio mimicus. Davis BR, et al. **J Clin Microbiol** 1981 Dec; 14(6):631–9

Identification of Vibrio hollisae sp. nov. from patients with diarrhea. Hickman FW, et al. **J Clin Microbiol** 1982 Mar; 15(3):395–401

Evaluation of a test-kit (Oxi/Ferm system) for identification of vibrios. Sanyal SC. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec;251(1):70–8

DRUG EFFECTS

[NAG vibrio sensitivity to antibiotics] Andrusenko IT, et al. **Antibiotiki** 1982 Feb;27(2):126–9 (Eng. Abstr.) (Rus)

[Transmitted resistance to antibiotics in NAG-vibrio (author's transl)] Saxa V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Nov;30(6):328–33 (Eng. Abstr.) (Slo)

ENZYMOLOGY

Activity and subunit functions of immobilized bacterial luciferase. Watanabe H, et al. **Arch Biochem Biophys** 1982 May;215(2):405–13

Regulation of exoprotease production by temperature and oxygen in Vibrio alginolyticus. Hare P, et al. **Arch Microbiol** 1981 Dec;130(4):276–80

Binding of 2,2-diphenylpropylamine at the aldehyde site of bacterial luciferase increases the affinity of the reduced riboflavin 5'-phosphate site. Holzman TF, et al. **Biochemistry** 1981 Sep 15;20(19):5524–8

Iron-sulphur clusters in fumarate reductase from Vibrio succinogenes. Albracht SP, et al. **Biochim Biophys Acta** 1981 Oct 13;661(2):295–302

The function of the subunits of the fumarate reductase complex of Vibrio succinogenes. Unden G, et al. **Eur J Biochem** 1981 Dec;120(3):577–84

Collagenolytic activity of Vibrio vulnificus: potential contribution to its invasiveness. Smith GC, et al. **Infect Immun** 1982 Mar;35(3):1155–6

An electrophoretic analysis of variation in the glucose-6-phosphate dehydrogenase and malate dehydrogenase of Vibrio cholerae, Vibrio parahaemolyticus and Vibrio fluvialis. Momen H, et al. **J Appl Bacteriol** 1981 Dec;51(3):425–32

Role of membrane-bound 5'-nucleotidase in nucleotide uptake by the moderate halophile Vibrio costicola. Bengis-Garber C, et al. **J Bacteriol** 1982 Mar;149(3):808–15

Partial purification and properties of respiratory chain-linked l-glycerol 3-phosphate dehydrogenase from a marine bacterium, Vibrio alginolyticus. Unemoto T, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):619–28

Synthesis and inactivation of bacterial luciferase determined by immunochemical techniques. Comparison with total protein synthesis and turnover. Reeve CA, et al. **J Biol Chem** 1982 Jan 25;257(2):1037–43

Isolation and properties of bacterial luciferase intermediates containing different oxygenated flavins. Tu SC. **J Biol Chem** 1982 Apr 10;257(7):3719–25

[Repressibility of different carbon sources on extracellular protease production in Vibrio parahaemolyticus; correlation to growth rates (author's transl)] Iuchi S, et al. **Nippon Saikingaku Zasshi** 1981 Sep;36(5):703–4 (Jpn)

GENETICS

Studies on superoxide dismutase activity and modulation of nitrofurantoin resistance by hyperbaric oxygen in Vibrio el tor. Ghosh S, et al. **Acta Microbiol Pol** 1981;30(4):319–25

Mutagenesis by insertion of drug resistance transposon Tn7 into a vibrio species. Thomson JA, et al. **J Bacteriol** 1981 Oct;148(1):374–8

GROWTH & DEVELOPMENT

Cell Yields of Vibrio succinogenes growing with formate and fumarate as sole carbon and energy sources in chemostat culture. Mell H, et al. **Arch Microbiol** 1982 May; 131(3):224–8

IMMUNOLOGY

Mitogenicity and adjuvanticity of a marine bacterium, Vibrio anguillarum, in mice. Shimizu T, et al. **Microbiol Immunol** 1981;25(9):929–37

ISOLATION & PURIFICATION

Isolation and characterization of Vibrio alginolyticus and Vibrio parahaemolyticus from the Norwegian coastal environment. Gjerde J, et al. **Acta Vet Scand** 1981; 22(3-4):331-43

Incidence of Vibrio species associated with blue crabs (Callinectes sapidus) collected from Galveston Bay, Texas. **Davis JW, et al. Appl Environ Microbiol** 1982 May; 43(5):1092-7

Vibrio metschnikovii bacteremia in a patient with cholecystitis. Jean-Jacques W, et al. **J Clin Microbiol** 1981 Dec;14(6):711-2

Panophthalmitis caused by Vibrio parahaemolyticus. Tacket CO, et al. **J Clin Microbiol** 1982 Jul;16(1):195-6

Anaerobic curved rods in vaginitis [letter] Phillips I, et al. **Lancet** 1982 Jan 23;1(8265):221

Human vibrio gastroenteritis. Rodrick GE, et al. **Med Clin North Am** 1982 May;66(3):665-73 (79 ref.)

Effect of carbohydrate content of culture media on Kovac's oxidase test, with particular reference to Vibrio spp. Jones AM. **Med Lab Sci** 1981 Mar;38(2):133-7

A Halophilic vibrio isolated from a case of chronic cholecystitis. Konishi K, et al. **Microbiol Immunol** 1981; 25(12):1221-8

Unusual Vibrio species found in diarrhoeal stools. Lam S, et al. **Singapore Med J** 1981 Oct;22(5):259-61

Occurrence of Vibrio parahaemolyticus and Vibrio alginolyticus in marine and estuarine bathing areas in Danish coast. Larsen JL, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):338-45

[Vibrio metschnikovii in Czechoslovakia (author's transl)] Aldová E, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep;30(5):244-50 (Eng. Abstr.) **(Cze)**

[Phage types of Vibrio cholerae and non agglutinable Vibrio isolated in Algeria from 1975 to 1977] Guechi Z. **Arch Inst Pasteur Alger** 1978-79;53:234-40 (Eng Abstr.) **(Fre)**

[Finding of Vibrio parahaemolyticus and Vibrio alginolyticus in marine sediment at the mouth of the Tiber] Annicchiarico S, et al. **Nuovi Ann Ig Microbiol** 1981 May-Jun;32(3):131-58 (Eng. Abstr.) **(Ita)**

METABOLISM

Biosynthetic Pathways of Vibrio succinogenes growing with fumarate as terminal electron acceptor and sole carbon source. Bronder M, et al. **Arch Microbiol** 1982 May; 131(3):216-23

A respiration-dependent primary sodium extrusion system functioning at alkaline pH in the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):265-71

Detection of extracellular toxin(s) produced by Vibrio vulnificus. Kreger A, et al. **Infect Immun** 1981 Aug; 33(2):583-90

Detection of toxins produced by vibrio fluvialis. Lockwood DE, et al. **Infect Immun** 1982 Feb;35(2):702-8

Characterization of the respiration-dependent Na+ pump in the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1982 Sep 10;257(17):10007-14

Roles of Na+ and K+ in alpha-aminoisobutyric acid transport by the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **J Biol Chem** 1982 Jan 25;257(2):788-94

[Biochemical properties and differentiation of Vibrionaceae isolated from water and water-oil emulsion] Kaznowski A, et al. **Med Dosw Mikrobiol** 1980;32(4):261-70 (Eng. Abstr.) **(Pol)**

PATHOGENICITY

Serum resistance and hemagglutination ability of marine vibrios pathogenic for fish. Trust TJ, et al. **Infect Immun** 1981 Dec;34(3):702-7

Role of iron in the pathogenesis of Vibrio vulnificus infections. Wright AC, et al. **Infect Immun** 1981 Nov; 34(2):503-7

Panophthalmitis caused by Vibrio parahaemolyticus. Tacket CO, et al. **J Clin Microbiol** 1982 Jul;16(1):195-6

[Enteropathogenic properties of NAG vibrios isolated from the environment] Andrusenko IT, et al. **Mikrobiol Zh** 1982 Mar-Apr;44(2):43-6 (Eng. Abstr.) **(Rus)**

[Pathogenicity of NAG vibrios isolated from various sources] Andrushenko IT, et al. **Mikrobiol Zh** 1982 Jan-Feb; 44(1):67-70 (Eng. Abstr.) **(Rus)**

[NAG-vibrio serovar 2 causing a generalized infection] Miliutin VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):24-5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Potassium ion is required for the generation of pH-dependent membrane potential and delta pH by the marine bacterium Vibrio alginolyticus. Tokuda H, et al. **Biochemistry** 1981 Jul 7;20(14):4198-203

The effect of polarization on the attachment of marine bacteria to copper and platinum surfaces. Gordon AS, et al. **Can J Microbiol** 1981 Jul;27(7):698-703

Adsorption kinetics of laterally and polarly flagellated Vibrio. Belas MR, et al. **J Bacteriol** 1982 Sep;151(3):1568-80

Hemolytic reaction of clinical and environmental strains of Vibrio vulnificus. Johnson DE, et al. **J Clin Microbiol** 1981 Oct;14(4):457-9

Adhesion of vibrios and aeromonads to isolated rabbit brush borders. Levett PN, et al. **J Gen Microbiol** 1981 Jul;125(Pt 1):167-72

A comprehensive study of environmental and human pathogenic Vibrio alginolyticus strains. Larsen JL, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Dec; 251(2):213-22

RADIATION EFFECTS

Liquid holding recovery & photoreactivation of the ultraviolet-inactivated Vibrios. Banerjee SK, et al. **Indian J Biochem Biophys** 1981 Feb;18(1):60-2

VIBRIO CHOLERAE

see related

CHOLERA TOXIN

Environmental aspects of cholera epidemiology. II. Occurrence and survival of Vibrio cholerae in the environment. Feachem R, et al. **Trop Dis Bull** 1981 Oct; 78(10):865-80 (78 ref.)

[Morphological study of the effect of cholera toxin on germ-free animals] Isupov IV, et al. **Arkh Patol** 1981; 43(5):36-41 (Eng. Abstr.) **(Rus)**

ANALYSIS

Polyacrylamide gel electrophoresis and infrared spectroscopy of vibrio biotypes. Maiti M, et al. **Can J Microbiol** 1981 Oct;27(10):1048-52

Purification and characterization of the soluble hemagglutinin (cholera lectin)(produced by Vibrio cholerae. Finkelstein RA, et al. **Infect Immun** 1982 Jun;36(3):1199-208

[Use of the human lymphocyte transformation test to detect a biologically active cholera toxin in Vibrio cholerae culture filtrates] Nikolaeva IS, et al. **Vestn Akad Med Nauk SSSR** 1981;(12):62-7 (Eng. Abstr.) **(Rus)**

[Production of an erythrocytic ganglioside diagnostic reagent for detecting cholera enterotoxin and toxoid in indirect hemagglutination tests] Dolmatova LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):101-4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

A rapid visual test to characterize cholera vibrios. Salles CA, et al. **J Appl Bacteriol** 1981 Dec;51(3):433-7

Characterization of biochemically atypical Vibrio cholerae strains and designation of a new pathogenic species, Vibrio mimicus. Davis BR, et al. **J Clin Microbiol** 1981 Dec; 14(6):631-9

FK phage for differentiating the classical and El T or groups of Vibrio cholerae. Takeya K, et al. **J Clin Microbiol** 1981 Aug;14(2):222-4

[Taxonomic position of representatives of the species Vibrio cholerae] Libinzon AE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov;(11):41-4 (Eng. Abstr.) **(Rus)**

CYTOLOGY

[Conversion of cholera vibrios to the R form] Miliutin VN, et al. **Mikrobiol Zh** 1982 Mar-Apr;44(2):46-9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Radiomimetic property of furazolidone and the caffeine enhancement of its lethal action on the vibrios. Banerjee SK, et al. **Chem Biol Interact** 1981 Nov;37(3):321-35

[8-year survival of a vibrio with altered morphology on a medium with added petroleum growth substance] Samsonova AV. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):99-100 **(Rus)**

ENZYMOLOGY

Kinetics of Vibrio cholerae sialidase action on gangliosidic substrates at different supramolecular-organizational levels. Venerando B, et al. **Biochem J** 1982 Jun 1;203(3):735-42

An electrophoretic analysis of variation in the glucose-6-phosphate dehydrogenase and malate dehydrogenase of Vibrio cholerae, Vibrio parahaemolyticus and Vibrio fluvialis. Momen H, et al. **J Appl Bacteriol** 1981 Dec;51(3):425-32

Monomeric alkaline phosphatase of Vibrio cholerae. Roy NK, et al. **J Bacteriol** 1982 Jun;150(3):1033-9

Repression of the alkaline phosphatase of Vibrio cholerae. Roy NK, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):349-53

Purification and characterization of the mucinase of Vibrio cholerae. Schneider DR, et al. **J Infect Dis** 1982 Apr; 145(4):474-82

GENETICS

Transfer of R plasmid from Staphylococcus aureus to Escherichia coli & Vibrio cholerae. Chakrabarty AN, et al. **Indian J Exp Biol** 1981 Jun;19(6):511-5

The stability of R plasmids in Vibrio cholerae. Arai T, et al. **Keio J Med** 1980 Jun;29(3):125-32

Expression of cloned cholera enterotoxin gene in Escherichia coli and possibilities of vaccine development [letter] Gennaro ML, et al. **Lancet** 1982 May 29;1(8283):1239-40

Cloned cholera enterotoxin genes in study and prevention of cholera [letter] Kaper JB, et al. **Lancet** 1981 Nov 21; 2(8256):1162-3

Vibrio cholerae El Tor acquires plasmid-encoded resistance to gentamicin [letter] Threlfall EJ, et al. **Lancet** 1982 Jan 2;1(8262):42

Isolation of enterotoxin structural gene deletion mutations in Vibrio cholerae induced by two mutagenic vibriophages. Mekalanos JJ, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(1):151-5

Molecular cloning of Vibrio cholerae enterotoxin genes in Escherichia coli K-12. Pearson GD, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2976-80

The antigenic variation of Vibrio cholerae in a newly-infected developing country. Daniel SO, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):299-301

[Transferable R plasmids isolated from Vibrio cholerae (author's transl)] Kanoh T. **Nippon Saikingaku Zasshi** 1981 Mar;36(2):465-74 (Eng. Abstr.) **(Jpn)**

[Mobilization of Vibrio cholerae chromosomal genes by plasmid RP4::Mu cts62] Skavronskaia AG, et al. **Genetika (Moskva)** 1982 Feb;18(2):227-34 (Eng. Abstr.) **(Rus)**

[Genetic control of toxin formation by Vibrio cholerae. I. Mobilization of the tox gene of Vibrio cholerae by plasmid RP::Mu ctsS62] Skavronskaia AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):22-7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Influence of salinity and organic nutrient concentration on survival and growth of Vibrio cholerae in aquatic microcosms. Singleton FL, et al. **Appl Environ Microbiol** 1982 May;43(5):1080-5

Uptake of Vibrio cholerae biotype eltor from contaminated water by water hyacinth (eichornia crassipes). Spira WM, et al. **Appl Environ Microbiol** 1981 Sep;42(3):550-3

Kinetics of early cholera infection in the removable intestinal tie-adult rabbit diarrhea model. Spira WM, et al. **Infect Immun** 1982 Mar;35(3):952-7

Time of maximum colonisation by Vibrio cholerae El Tor in 5-6 day old mice as an experimental cholera model. Foo Eng Sim A, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):609-10

[Cholera vibrio culture in a fermenter with automatic control of a number of parameters] Nenkov PKh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):47-50 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Recognition of 2-keto-3-deoxyoctonate in bacterial cells and lipopolysaccharides by the sialic acid binding lectin from the horseshoe crab Carcinoscorpius rotunda cauda. Dorai DT, et al. **Biochem Biophys Res Commun** 1982 Jan 15; 104(1):141-7

Structural studies of the Vibrio cholerae O-antigen. Kenne L, et al. **Carbohydr Res** 1982 Mar 1;100:341-9

Antibodies to Vibrio cholerae somatic and enterotoxin antigens in human colostrum. Majumdar AS, et al. **Indian J Med Res** 1982 Apr;75:474-9

Protection in rabbits induced by the Texas Star-SR attenuated A-B+ mutant candidate live oral cholera vaccine. Boesman-Finkelstein M, et al. **Infect Immun** 1982 Apr;36(1):221-6

Characterization and distribution of the hemagglutinins produced by Vibrio cholerae. Hanne LF, et al. **Infect Immun** 1982 Apr;36(1):209-14

Protective properties of anticholera antibodies in human colostrum. Majumdar AS, et al. **Infect Immun** 1982 Jun; 36(3):962-5

Comparison of paired whole milk and dried filter paper samples for anti-enterotoxin and anti-rotavirus activities. Brown SE 3d, et al. **J Clin Microbiol** 1982 Jul;16(1):103-6

Development of an enzyme-linked immunosorbent assay for studying Vibrio cholerae cell surface antigens. Cryz SJ Jr, et al. **J Clin Microbiol** 1982 Jul;16(1):41-5

Magnitude, kinetics, and duration of vibriocidal antibody responses in North Americans after ingestion of Vibrio cholerae. Clements ML, et al. **J Infect Dis** 1982 Apr; 145(4):465-73

[Nonselective mechanism of antibody-induced stable antigenic variability in microorganisms. II. Patterns of antigenic variability in cholera vibrios] Kuznetsov EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):101-6 (16 ref.) **(Rus)**

[Nonselective mechanism of antibody-induced stable antigenic variability of microorganisms. III. Suggested mechanism of variability of certain microorganisms] Kuznetsov EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):78-82 **(Rus)**

ISOLATION & PURIFICATION

Vibrio infections in Singapore. Goh KT, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):2-10

Survival of Vibrio cholerae and Escherichia coli in estuarine waters and sediments. Hood MA, et al. **Appl Environ Microbiol** 1982 Mar;43(3):578-84

Gauze filtration and enrichment procedures for recovery of Vibrio cholerae from contaminated waters. Spira WM, et al. **Appl Environ Microbiol** 1981 Oct;42(4):730-3

Vibrio cholerae non group O:1 associated with middle ear

infection. Florescu DP, et al.
Arch Roum Pathol Exp Microbiol 1981 Oct-Dec; 40(4):369-72

The incidence of Vibrio cholerae in water, animals and birds in Kent, England. Lee JV, et al. **J Appl Bacteriol** 1982 Apr;52(2):281-91

Molecular epidemiology of Vibrio cholerae in the U.S. Gulf Coast. Kaper JB, et al. **J Clin Microbiol** 1982 Jul; 16(1):129-34

[Phage types of Vibrio cholerae and non agglutinable Vibrio isolated in Algeria from 1975 to 1977] Guechi Z.
Arch Inst Pasteur Alger 1978-79;53:234-40 (Eng. Abstr.) **(Fre)**

[Current status of diarrhea caused by or associated with cholera vibrions of the non 0:1 group] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1981 Jul-Sep;26(3):145-54 (Eng. Abstr.) **(Rum)**

[Characteristics of the cholera vibrios circulating in the 7th pandemic in different territories] Arutiunov IuI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Mar;(3):52-4 (Eng. Abstr.) **(Rus)**

[Isolation of Vibrio eltor mutants producing melanin and the mapping of the mel locus using transposons] Smirnova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):61-4 (Eng. Abstr.) **(Rus)**

[Epidemiological characteristics of cholera E1/or in cases of predominantly water and household modes of disease transmission] Spotarenko SS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981;(8):106-8 **(Rus)**

METABOLISM

Comparison of extracellular & intracellular level of cyclic AMP between the toxinogenic & non-toxinogenic strains of Vibrio cholerae. Chakraborty MK, et al.
Indian J Exp Biol 1981 Feb;19(2):179-80

Production of cholera-like enterotoxin by a Vibrio cholerae non-O1 strain isolated from the environment. Craig JP, et al. **Infect Immun** 1981 Oct;34(1):90-7

Factors affecting phaeomelanin production by a melanin-producing (mel) mutant of Vibrio cholerae. Ivins BE, et al. **Infect Immun** 1981 Dec;34(3):895-9

NAD metabolism in Vibrio cholerae. Foster JW, et al.
J Bacteriol 1982 Jan;149(1):368-71

Effect of iron limitation on growth, siderophore production, and expression of outer membrane proteins of Vibrio cholerae. Sigel SP, et al. **J Bacteriol** 1982 Apr; 150(1):148-55

[Influence of cultivation medium on the release and properties of LPS from non-01 Vibrio cholerae (author's transl)] Bartková G, et al.
Cesk Epidemiol Mikrobiol Imunol 1982 May;31(3):161-8 (Eng. Abstr.) **(Slo)**

PATHOGENICITY

Virulence of three clinical isolates of Vibrio cholerae non-O-1 serogroup in experimental enteric infections in rabbits. Madden JM, et al. **Infect Immun** 1981 Aug; 33(2):616-9

The pathogenicity of nonenterotoxigenic Vibrio cholerae serogroup O1 biotype El Tor isolated from sewage water in Brazil. Levine MM, et al. **J Infect Dis** 1982 Mar; 145(3):296-9

[Evaluation of the adhesion, colonization and enterotoxigenicity of Vibrio cholerae in the enteral infection of intact and passively immunized newborn animals] Efremov VE, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Dec;(12):69-75 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Role of chemotaxis in the association of motile bacteria with intestinal mucosa: chemotactic responses of Vibrio cholerae and description of motile nonchemotactic mutants. Freter R, et al. **Infect Immun** 1981 Oct;34(1):215-21

Role of chemotaxis in the association of motile bacteria with intestinal mucosa: in vivo studies. Freter R, et al.
Infect Immun 1981 Oct;34(1):234-40

Role of chemotaxis in the association of motile bacteria with intestinal mucosa: in vitro studies. Freter R, et al.
Infect Immun 1981 Oct;34(1):241-9

Role of chemotaxis in the association of motile bacteria with intestinal mucosa: fitness and virulence of nonchemotactic Vibrio cholerae mutants in infant mice. Freter R, et al.
Infect Immun 1981 Oct;34(1):222-33

Cholera and estuarine salinity in Calcutta and London. Miller CJ, et al. **Lancet** 1982 May 29;1(8283):1216-8

Lysogenicity of the strains of Vibrio cholerae, biotype eltor recently isolated in various countries. Ohashi M, et al.
Microbiol Immunol 1981;25(6):613-6

[Quantitative evaluation of Vibrio cholerae colonization and lymphocyte count in small intestine villi of rabbits immunized with vibrio and cholera toxin] Efremov VE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb; (2):63-70 (Eng. Abstr.) **(Rus)**

[Preservation of certain biological properties of Vibrio cholerae El Tor in river and sewage water following aeration] Val'kov BG, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Oct;(10):114-5 **(Rus)**

RADIATION EFFECTS

Repair of ultraviolet-light-induced DNA damage in vibrio cholerae. Das G, et al. **Biochim Biophys Acta** 1981 Oct 27;655(3):413-20

[Mutations of antibiotic resistance in vibrios under gamma irradiation] Sokurova EN, et al. **Radiobiologiia** 1981; 21(4):526-30 (Eng. Abstr.) **(Rus)**

VIBRIO COMMA see **VIBRIO CHOLERAE**

VIBRIO INFECTIONS

Illness caused by Vibrio damsela and Vibrio hollisae. Morris JG Jr, et al. **Lancet** 1982 Jun 5;1(8284):1294-7

[Food poisoning caused by Vibrio parahaemolyticus (letter)] Peloux Y, et al. **Nouv Presse Med** 1981 Oct 17; 10(37):3074-5 **(Fre)**

COMPLICATIONS

[Current status of diarrhea caused by or associated with cholera vibrions of the non 0:1 group] Ciufecu C, et al. **Rev Ig [Bacteriol]** 1981 Jul-Sep;26(3):145-54 (Eng. Abstr.) **(Rum)**

[Current status of diarrhea caused by or associated with halophilic or other vibrions. III] Ciufecu C, et al.
Rev Ig [Bacteriol] 1981 Oct-Dec;26(4):219-28 (24 ref.) **(Rum)**

DIAGNOSIS

Vibrio parahaemolyticus: a major cause of travelers' diarrhea in Bangkok. Sriratanaban A, et al.
Am J Trop Med Hyg 1982 Jan;31(1):128-30

DRUG THERAPY

[Activity of di-N-hydroxyquinoxaline and depot-sulfanilamide derivatives in experimental NAG infection] Avtsyn AP, et al. **Biull Eksp Biol Med** 1982 May; 93(5):76-8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Non-O group 1 Vibrio cholerae gastroenteritis associated with eating raw oysters. Wilson R, et al.
Am J Epidemiol 1981 Aug;114(2):293-8

'Cellulitis' with sepsis in a fisherman. Case presentation. Musher DM. **Hosp Pract** 1981 Nov;16(11):124, 128

Human vibrio gastroenteritis. Rodrick GE, et al.
Med Clin North Am 1982 May;66(3):665-73 (79 ref.)

IMMUNOLOGY

Serum resistance and hemagglutination ability of marine vibrios pathogenic for fish. Trust TJ, et al.
Infect Immun 1981 Dec;34(3):702-7

Interaction of Vibrio vulnificus with human polymorphonuclear leukocytes: association of virulence with resistance to phagocytosis. Kreger A, et al.
J Infect Dis 1981 Sep;144(3):244-8

MICROBIOLOGY

Vibrio cholerae non group O:1 associated with middle ear infection. Florescu DP, et al.
Arch Roum Pathol Exp Microbiol 1981 Oct-Dec; 40(4):369-72

Vibrio metschnikovii bacteremia in a patient with cholecystitis. Jean-Jacques W, et al. **J Clin Microbiol** 1981 Dec;14(6):711-2

Panophthalmitis caused by Vibrio parahaemolyticus. Tacket CO, et al. **J Clin Microbiol** 1982 Jul;16(1):195-6

A Halophilic vibrio isolated from a case of chronic cholecystitis. Konishi K, et al. **Microbiol Immunol** 1981; 25(12):1221-8

Unusual Vibrio species found in diarrhoeal stools. Lam S, et al. **Singapore Med J** 1981 Oct;22(5):259-61

[Enteropathogenic properties of NAG vibrios isolated from the environment] Andrusenko IT, et al. **Mikrobiol Zh** 1982 Mar-Apr;44(2):43-6 (Eng. Abstr.) **(Rus)**

[NAG-vibrio serovar 2 causing a generalized infection] Miliutin VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):24-5 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiologic pattern of diarrhoea caused by non-agglutinating vibrios (NAG) and EF-6 organisms in Dacca. Khan MU, et al. **Trop Geogr Med** 1982 Mar; 34(1):19-27

PATHOLOGY

Histopathology of marine vibrio wound infections. Beckman EN, et al. **Am J Clin Pathol** 1981 Dec;76(6):765-72

TRANSMISSION

Vibrio infections in Singapore. Goh KT, et al.
Ann Acad Med Singapore 1981 Jan;10(1):2-10

VIBRIO PARAHAEMOLYTICUS

CLASSIFICATION

[New K antigen of vibrio parahaemolyticus from a strain isolated from an overseas traveller (author's transl)] Ishibashi M, et al. **Nippon Saikingaku Zasshi** 1981 May; 36(3):591-2 **(Jpn)**

[New K serovars of Vibrio parahaemolyticus (author's transl)] Itoh T, et al. **Nippon Saikingaku Zasshi** 1981 May; 36(3):593-4 **(Jpn)**

[A new K serovar of Vibrio parahaemolyticus (author's transl)] Tsuno M, et al. **Nippon Saikingaku Zasshi** 1981 Mar; 36(2):475-6 **(Jpn)**

DRUG EFFECTS

Radiomimetic property of furazolidone and the caffeine enhancement of its lethal action on the vibrios. Banerjee SK, et al. **Chem Biol Interact** 1981 Nov;37(3):321-35

ENZYMOLOGY

An electrophoretic analysis of variation in the glucose-6-phosphate dehydrogenase and malate dehydrogenase of Vibrio cholerae, Vibrio parahaemolyticus and Vibrio fluvialis. Momen H, et al.
J Appl Bacteriol 1981 Dec;51(3):425-32

Regulation of extracellular alkaline protease activity by histidine in a collagenolytic Vibrio alginolyticus strain. Long S, et al. **J Gen Microbiol** 1981 Nov;127, pt 1:193-9

[Exoenzyme production in Vibrio parahaemolyticus mutans defective in phosphoenolpyruvate: glucose phosphotransferase system (author's transl)] Iuchi S, et al.
Nippon Saikingaku Zasshi 1981;36(6):779-80 **(Jpn)**

GROWTH & DEVELOPMENT

The halophilic properties of Vibrio parahaemolyticus. Palasuntheram C. **J Gen Microbiol** 1981 Dec;127 (Pt 2):427-8

IMMUNOLOGY

Presence and location of an O-acetyl group in O4-antigen of Vibrio parahaemolyticus. Tanaka S, et al. **Biken J** 1981 Jun;24(1-2):75-80

Hemolysis and hyperpotassemia in rat induced by the thermostable direct hemolysin of Vibrio parahaemolyticus. Takashi K, et al. **Jpn J Pharmacol** 1982 Apr;32(2):377-80

[Serological studies on Vibrio parahaemolyticus, II. Vibrio parahaemolyticus with new combination of O and K antigen (author's transl)] Tokoro M.
Kansenshogaku Zasshi 1981 Mar;55(3):161-70 (Eng. Abstr.) **(Jpn)**

[Serological studies on Vibrio parahaemolyticus. III. Agglutinins in o-antiserum against heterologous o-antigens (author's transl)] Tokoro M. **Kansenshogaku Zasshi** 1981 Jun;55(6):429-38 (Eng. Abstr.) **(Jpn)**

[New K antigen of Vibrio parahaemolyticus from a strain isolated from a traveller to the Phillippines (author's transl)] Ishibashi M, et al. **Nippon Saikingaku Zasshi** 1981;36(6):781 **(Jpn)**

ISOLATION & PURIFICATION

Isolation and characterization of Vibrio alginolyticus and Vibrio parahaemolyticus from the Norwegian coastal environment. Gjerde J, et al. **Acta Vet Scand** 1981; 22(3-4):331-43

Vibrio infections in Singapore. Goh KT, et al.
Ann Acad Med Singapore 1981 Jan;10(1):2-10

A study of the incidence of Vibrio parahaemolyticus in Malaysian shrimp undergoing processing for export. Cann DC, et al. **J Hyg (Lond)** 1981 Dec;87(3):485-91

Occurrence of Vibrio parahaemolyticus and Vibrio alginolyticus in marine and estuarine bathing areas in Danish coast. Larsen JL, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981;173(5):338-45

[Finding of Vibrio parahaemolyticus and Vibrio alginolyticus in marine sediment at the mouth of the Tiber] Annicchiarico S, et al. **Nuovi Ann Ig Microbiol** 1981 May-Jun;32(3):131-58 (Eng. Abstr.) **(Ita)**

[Vibrio parahaemolyticus: isolation and identification in the waters of Baía de Guanabara] Barros GC, et al.
Rev Latinoam Microbiol 1980 Oct-Dec;22(4):163-9 (Eng. Abstr.) **(Por)**

[Vibrio parahaemolyticus: presence in marine and mixohaline environment in the province of Trujillo, Peru] Bocanegra FA, et al. **Rev Latinoam Microbiol** 1981 Jul-Sep, 23(3):135-40 (Eng. Abstr.) **(Spa)**

[Isolation of vibrio parahaemolyticus from oysters in Mexico Federal District] Nava Fernández LM, et al.
Salud Publica Mex 1981 May-Jun;23(3):275-9 (Eng. Abstr.) **(Spa)**

METABOLISM

Production of the Kanagawa hemolysin by Vibrio parahaemolyticus in a synthetic medium.
Cherwonogrodzky JW, et al. **Infect Immun** 1982 Jul; 37(1):60-3

Effect of pH on the production of the Kanagawa hemolysin by Vibrio parahaemolyticus. Cherwonogrodzky JW, et al.
Infect Immun 1981 Oct;34(1):115-9

PATHOGENICITY

Adherence of Vibrio parahaemolyticus and its relation to pathogenicity. Iijima Y, et al. **Can J Microbiol** 1981 Dec; 27(12):1252-9

[Relationship between sucrose fermentability and pathogenicity of Vibrio parahaemolyticus (author's transl)] Liu HD. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):201–3 **(Chi)**

ULTRASTRUCTURE

Scanning electron microscope observation of the swarming phenomenon of Vibrio parahaemolyticus. Belas MR, et al. **J Bacteriol** 1982 May;150(2):956–9

VIBRIONACEAE

Oyster-associated outbreak of diarrhoeal disease possibly caused by Plesiomonas shigelloides [letter] Rutala WA, et al. **Lancet** 1982 Mar 27;1(8274):739

[Bacterial meningitis due to Plesiomonas shigelloides (author's transl)] Horst H, et al. **Dtsch Med Wochenschr** 1982 Aug 20;107(33):1238–9 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Allomonads, a new group of microorganisms of the family of Vibrionaceae. IV. Nutrient media for the isolation, quantitative count and simplified identification of allomonads] Kalina GP.
Zh Mikrobiol Epidemiol Immunobiol 1981 Jun;(6):32–6 **(Rus)**

DRUG EFFECTS

[Effect of phenobarbital on the luminescence system of luminous bacteria] Vysotskii ES, et al. **Mikrobiologiia** 1981 Nov–Dec;50(6):985–91 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Studies on the NADH and NADPH: riboflavin 5'-phosphate (FMN) oxidoreductases from Beneckea harveyi: characterization of the FMN binding sites. Nefsky B, et al. **Arch Biochem Biophys** 1982 Jun;216(1):10–6

Structure and catalytic inactivity of the bacterial luciferase neutral flavin radical. Kurfürst M, et al. **Eur J Biochem** 1982 Apr 1;123(2):355–61

Specificities and properties of three reduced pyridine nucleotide–flavin mononucleotide reductases coupling to bacterial luciferase. Watanabe H, et al.
Mol Cell Biochem 1982 May 14;44(3):181–7

GENETICS

Antigenic variability of bacterial RNA polymerases. Nikiforov VG, et al. **MGG** 1981;183(3):518–21

GROWTH & DEVELOPMENT

Plesiomonas shigelloides overgrowth in the small intestine. Penn RG, et al. **J Clin Microbiol** 1982 May;15(5):869–72

ISOLATION & PURIFICATION

Gram-negative, aerobic, enteric pathogens among intestinal microflora of wild turkey vultures (Cathartes aura) in west central Texas. Winsor DK, et al.
Appl Environ Microbiol 1981 Dec;42(6):1123–4

A red Beneckea from Laguna Figueroa, Baja California. Giovannoni SJ, et al. **Microbios** 1981;30(119):47–63

[Seawater contamination with nonagglutinating vibrios] Shikulov VA, et al. **Gig Sanit** 1981 Jul;(7):69–70 **(Rus)**

[Use in laboratory practice of stable paper indicator systems for accelerated differentiation of bacteria of the family Vibrionaceae] Lavrovskaia VM, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 Apr;(4):46–50 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Enteropathogenicity of Aeromonas hydrophila and Plesiomonas shigelloides: prevalence among individuals with and without diarrhea in Thailand. Pitarangsi C, et al. **Infect Immun** 1982 Feb;35(2):666–73

VIBROCARDIOGRAPHY see **KINETOCARDIOGRAPHY**

VIDARABINE

ADMINISTRATION & DOSAGE

2'-deoxycoformycin (DCF) and 9-beta-D-arabinofuranosyladenine (Ara-A) in the treatment of refractory acute myelocytic leukemia. Gray DP, et al. **Cancer Treat Rep** 1982 Feb;66(2):253–7

[Vidarabine: an active antiherpetic treatment by parenteral administration] Tjean M, et al. **Rev Med Liege** 1982 Feb 1;37(3):82–5 **(Fre)**

ADVERSE EFFECTS

Antiviral treatment of chronic hepatitis B virus infection: pharmacokinetics and side effects of interferon and adenine arabinoside alone and in combination. Sacks SL, et al.
Antimicrob Agents Chemother 1982 Jan;21(1):93–100

Inactivation of S-adenosylhomocysteine hydrolase during adenine arabinoside therapy. Sacks SL, et al.
J Clin Invest 1982 Jan;69(1):226–30

Fatal vidarabine toxicity in a patient with normal renal function. Van Etta L, et al. **JAMA** 1981 Oct 9; 246(15):1703–5

ANALOGS & DERIVATIVES

Anti-herpesvirus activity of adenine arabinoside analogues in tissue culture and a genital infection of mice and guinea pigs. Richards JT, et al. **Antiviral Res** 1982 May; 2(1–2):27–39

Biological activities and modes of action of 9-alpha-D-arabinofuranosyladenine and 9-alpha-D-arabinofuranosyl-8-azaadenine. Bennett LL Jr, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2325–32

Identification of metabolites of 9-beta-D-arabinofuranosyl-2-fluoroadenine, an antitumor and antiviral agent. Struck RF, et al.
Biochem Pharmacol 1982 Jun 1;31(11):1975–8

Metabolism and therapeutic efficacy of 9-beta-D-arabinofuranosyl-2-fluoroadenine against murine leukemia P388. Avramis VI, et al. **Cancer Res** 1982 Jul;42(7):2587–91

Comparison of the actions of 9-beta-D-arabinofuranosyl-2-fluoroadenine and 9-beta-D-arabinofuranosyladenine on target enzymes from mouse tumor cells. White EL, et al. **Cancer Res** 1982 Jun; 42(6):2260–4

Comparative antineoplastic activity against P388 leukemia of 9-beta-D-arabinofuranosyladenine (araA) and 9-beta-(2'-azido-2'-deoxy-D-arabinofuranosyl) adenine (arazide). Lee SH, et al. **Int J Cancer** 1981 May 15; 27(5):703–8

1-beta-D-arabinofuranosyl-1H-imidazo[4,5-c]pyridine (ara-3-deazaadenine). Montgomery JA, et al.
J Med Chem 1982 Jan;25(1):96–8

In vitro biological activity of 9-beta-D-arabinofuranosyl-2-fluoroadenine and the biochemical actions of its triphosphate on DNA polymerases and ribonucleotide reductase from HeLa cells. Tseng WC, et al. **Mol Pharmacol** 1982 Mar;21(2):474–7

Comparative effects of the 5'-triphosphates of 9-beta-(2'-azido-2'-deoxy-D-arabinofuranosyl)adenine and 9-beta-D-arabinofuranosyladenine on DNA polymerases from L1210 leukemia cells. Allaudeen HS, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1379–87

BLOOD

Reversed-phase high-performance liquid chromatographic method to determine vidarabine and hypoxanthine arabinoside in biological fluids. Bowman DB, et al.
J Chromatogr 1982 May 14;229(2):487–91

METABOLISM

Clinical pharmacology of 9-beta-D-arabinofuranosyladenine in combination with 2'-deoxycoformycin. Agarwal RP, et al. **Cancer Res** 1982 Sep;42(9):3884–6

Identification of the mechanism of activation of 9-beta-D-arabinofuranosyladenine in human lymphoid cells using mutants deficient in nucleoside kinases. Verhoef V, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4478–83

PHARMACODYNAMICS

Inactivation of S-adenosylhomocysteine hydrolase by 9-beta-D-arabinofuranosyladenine in intact cells. Helland S, et al. **Cancer Res** 1982 Mar;42(3):1130–6

Reactivation of S-adenosylhomocysteine hydrolase activity in cells exposed to 9-beta-D-arabinofuranosyladenine. Helland S, et al. **Cancer Res** 1982 Jul;42(7):2861–6

Correlation of cytotoxicity with total intracellular exposure to 9-beta-D-arabinofuranosyladenine 5'-triphosphate. Shewach DS, et al. **Cancer Res** 1982 Sep;42(9):3637–41

Comparison of the actions of 9-beta-D-arabinofuranosyl-2-fluoroadenine and 9-beta-D-arabinofuranosyladenine on target enzymes from mouse tumor cells. White EL, et al. **Cancer Res** 1982 Jun; 42(6):2260–4

Resistance of herpes simplex virus to adenine arabinoside and E-5-(2-bromovinyl)-2'-deoxyuridine: a physical analysis. Crumpacker CS, et al. **J Infect Dis** 1982 Aug;146(2):167–72

Mutations in the herpes simplex virus DNA polymerase gene can confer resistance to 9-beta-D-arabinofuranosyladenine. Coen DM, et al.
J Virol 1982 Mar;41(3):909–18

Isolation and preliminary characterization of 9-beta-d-arabinofuranosyladenine-resistant mutants of baby hamster cells. Chan VL, et al. **Somatic Cell Genet** 1981 Mar;7(2):147–60

[Antiviral activity of ARA-A] Pugliese A, et al.
G Batteriol Virol Immunol 1980 Jul–Dec;73(7–12):133–44 (51 ref.) **(Ita)**

THERAPEUTIC USE

Treatment of Kaposi's varicelliform eruption wit adenine arabinoside (Vira-A) and transfer factor. Bjerring P, et al.
Acta Derm Venereol (Stockh) 1982;62(1):85–7

Acyclovir and vidarabine for the treatment of herpes simplex keratitis. Laibson PR, et al. **Am J Med** 1982 Jul 20; 73(1A):281–5

Double-blind clinical trial of acyclovir and adenine arabinoside in herpetic corneal ulceration. Young B, et al.
Am J Med 1982 Jul 20;73(1A):311–2

Acyclovir and vidarabine in the treatment of ulcerative herpes simplex keratitis. Pavan-Langston D, et al.
Am J Ophthalmol 1981 Dec;92(6):829–35

Pathological findings of adenine arabinoside (ARA-A) and cytarabine (ARA-C) in the treatment of herpes simplex encephalitis in rabbit model. Narang HK. **Antiviral Res** 1982 May;2(1–2):53–67

Treatment of eczema herpeticum with vidarabine. Braunstein BL, et al. **Arch Dermatol** 1982 Aug;118(8):597–8

Comparative trial of acyclovir and adenine arabinoside in the treatment of herpes simplex corneal ulcers. McGill J, et al. **Br J Ophthalmol** 1981 Sep;65(9):610–3

A randomised double-blind clinical trial of acyclovir (Zovirax) and adenine arabinoside in herpes simplex corneal ulceration. Young BJ, et al. **Br J Ophthalmol** 1982 Jun; 66(6):361–3

Herpes-zoster myelitis treated successfully with vidarabine. Corston RN, et al. **Br Med J [Clin Res]** 1981 Sep 12; 283(6293):698–9

Herpes simplex encephalitis [letter] Irwin AC.
Can Med Assoc J 1982 Jul 15;127(2):105–6

Herpes simplex encephalitis: poor outcome despite adenine arabinoside therapy. Wenman WM, et al.
Can Med Assoc J 1982 Apr 1;126(7):819–21

Modulation of 9-beta-D-arabinofuranosyladenine 5'-triphosphate and deoxyadenosine triphosphate in leukemic cells by 2'-deoxycoformycin during therapy with 9-beta-D-arabinofuranosyladenine. Plunkett W, et al.
Cancer Res 1982 May;42(5):2092–6

Herpes zoster encephalitis: successful therapy with vidarabine. Wees SJ, et al. **Henry Ford Hosp Med J** 1980; 28(1):67–70

Evaluation of the antiviral effects of adenine arabinoside on chronic HBV infection. Watanabe S, et al.
Hepatogastroenterology 1982 Jun;29(3):102–5

Antiviral treatment of chronic hepatitis B virus infection: improvement in liver disease with interferon and adenine arabinoside. Scullard GH, et al. **Hepatology** 1981 May–Jun; 1(3):228–32

Comparative antineoplastic activity against P388 leukemia of 9-beta-D-arabinofuranosyladenine (araA) and 9-beta-(2'-azido-2'-deoxy-D-arabinofuranosyl) adenine (arazide). Lee SH, et al. **Int J Cancer** 1981 May 15; 27(5):703–8

Treatment of cytomegalovirus pneumonia after marrow transplant with combined vidarabine and human leukocyte interferon. Meyers JD, et al. **J Infect Dis** 1982 Jul; 146(1):80–4

Herpes zoster myelitis treated with vidarabine [letter] Cullis PA, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan;45(1):94

Vidarabine therapy of varicella in immunosuppressed patients. Whitley R, et al. **J Pediatr** 1982 Jul;101(1):125–31

Duration of vidarabine therapy in biopsy-negative herpes simplex encephalitis. Landry ML, et al. **JAMA** 1982 Jan 15;247(3):332–4

Repeated suppression of Creutzfeldt-Jakob disease with vidarabine [letter] Furlow TW Jr, et al. **Lancet** 1982 Sep 4;2(8297):564–5

Herpes simplex encephalitis [letter] Porcopis PC.
Med J Aust 1981 Jun 27;1(13):716

Chemotherapy for herpes simplex encephalitis [letter] Procopis PG. **Med J Aust** 1981 Aug 8;2(3):160

Early vidarabine therapy to control the complications of herpes zoster in immunosuppressed patients. Whitley RJ, et al. **N Engl J Med** 1982 Oct 14;307(16):971–5

Vidarabine in fulminating chickenpox pneumonia. Macfarlane JT, et al. **Thorax** 1982 Mar;37(3):226–7

A double-controlled evaluation of acyclovir and vidarabine for the treatment of herpes simplex epithelial keratitis. Yeakley WR, et al. **Trans Am Ophthalmol Soc** 1981; 79:168–79

[Use of adenine-arabinoside in the treatment of keratitis: study of 70 cases] Colin J, et al.
Bull Soc Ophtalmol Fr 1981 Oct;81(10):757–8 **(Fre)**

[Arabinosyladenine in ophthalmology (author's transl)] Colin J. **J Fr Ophtalmol** 1981;4(6–7):525–30 (48 ref.) (Eng. Abstr.) **(Fre)**

[Cure of herpetic encephalitis with adenine arabinoside (letter)] Jaeger A, et al. **Nouv Presse Med** 1981 Dec 19; 10(46):3794–5 **(Fre)**

VIDEOTAPE RECORDING

Video-counseling for multi-handicapped hearing-impaired students. Boham BE, et al. **Am Ann Deaf** 1981 Sep; 126(6):587–90

How the use of media will develop the 'gift of gab' in gifted hearing-impaired students. Solomon J. **Am Ann Deaf** 1981 Sep;126(6):578–81

Prolonged EEG and videotape monitoring in children. Holmes GL, et al. **Am J Dis Child** 1982 Jul;136(7):609–11

Video recording systems in cardiovascular radiology. Ackermann R, et al. **Ann Radiol (Paris)** 1981 Jun–Jul; 24(5):442–3

Reliability and validity of a tardive dyskinesia videotape rating technique. Barnes TR, et al. **Br J Psychiatry** 1982 May;140:508–15

Video time-lapse microscopy of phagocytosis and intracellular fate of crystalline nickel sulfide particles in cultured mammalian cells. Evans RM, et al. **Cancer Res** 1982 Jul;42(7):2729–35

Assessment of peripheral blood flow in man by video dilution technique: a preliminary report. Link DP, et al.
Invest Radiol 1981 Jul–Aug;16(4):298–304

Televised classroom events as distractors for reading-disabled children. Patton JE, et al.

J Abnorm Child Psychol 1981 Sep;9(3):355–70
Television fundoscopy and fluoroscopy. Haining WM, et al. **J Audiov Media Med** 1980 Jul;3(3):112–3
Videotaped exposure: a new treatment of obsessive–compulsive disorders. Milby JB, et al. **J Behav Ther Exp Psychiatry** 1981 Sep;12(3):249–55
The use of video recording in an MSc instructional course in forensic science as an aid to assessing students' ability as expert witnesses. Caddy B, et al. **J Forensic Sci Soc** 1981 Jul;21(3):195–200
The effect on instructor–student interaction of video replay to teach history–taking skills. Davis JC, et al. **J Med Educ** 1981 Oct;56(10):864–6
Live versus videotaped interviews. Hunt DD, et al. **J Med Educ** 1981 Nov;56(11):916–8
Development and validation of a trigger tape on therapeutic communication. Smith IK, et al. **JNE** 1982 Apr;21(4):42–7
Use of video–tapes in psychological medicine. Parameshvara Deva M. **Med J Malaysia** 1981 Dec;36(4):268–71
The use of videotape in the erosion of denial in alcoholism: pilot study. Crawford RJ. **NZ Med J** 1982 Feb 10; 95(701):82–4
A synchronized biplane videoradiographic system employing image manipulation for improved diagnosis and dose reduction. Berry HM Jr, et al. **Oral Surg** 1981 Dec; 52(6):657–60
Videotape recording—a complementary aid for the walking training of lower limb amputees. Netz P, et al. **Prosthet Orthot Int** 1981 Dec;5(3):147–50
Patient viewing of videotaped psychotherapy. Part I: Impact on the therapeutic process. Gutheil TG, et al. **Psychiatr Q** 1981 Winter;53(4):219–26
Patient viewing of videotaped psychotherapy. Part II. Aspects of the supervisory process. Gutheil TG, et al. **Psychiatr Q** 1981 Winter;53(4):227–34
New video materials from ILEA. Andrews S. **Spec Educ Forward Trends** 1982 Mar;9(1):30
[Listen for a moment] Jongkees LB. **Ned Tijdschr Geneeskd** 1982 Jun 26;126(26):1193 **(Dut)**
[Clinical evaluation of EEG telemetry and videomonitoring in 212 patients with epilepsy] Overweg J, et al. **Ned Tijdschr Geneeskd** 1981 Oct 3;125(40):1600–4 (Eng. Abstr.) **(Dut)**
[Use of a mobile video system for teaching students in internal medicine] Hagel HJ, et al. **Fortschr Med** 1982 Feb 25; 100(8):307–8 **(Ger)**
[Experience in the practical use of radiotelevision pyeloureteroscopy with spot radiography and videotape recording] Bullov VM. **Vestn Rentgenol Radiol** 1982; (2):44–9 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

One thousand and one—producing synchronized slide and videotape productions. Lanier TW. **J Biol Photogr** 1981 Oct;49(4):113–4
Digital video cursor. Trinder JR. **Med Biol Eng Comput** 1982 Jan;20(1):121–8
Compatible multiplex closed–circuit television and analog data recording. Elmore MD, et al. **Microvasc Res** 1982 May;23(3):385–91
An inexpensive, nondedicated, automated pupillometric measurement system. Hess EH, et al. **Percept Mot Skills** 1982 Feb;54(1):235–41
[Use of the Elektronika L1–08 videotape recorder and Krym–217 television set in x–ray studies] Bullov VM, et al. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):72–3 **(Rus)**

METHODS

Assessment of reliability in multicenter collaborative research with a videotape approach. Andreasen NC, et al. **Am J Psychiatry** 1982 Jul;139(7):876–82
Brain state and body position. A time–lapse video study of sleep. Aaronson ST, et al. **Arch Gen Psychiatry** 1982 Mar; 39(3):330–5
Neurosurgical applications of video techniques. Apfelbaum RI. **Clin Neurosurg** 1981;28:246–58
Vascular tracing: a new videoangiographic algorithm. Kruger RA, et al. **Invest Radiol** 1982 Mar–Apr;17(2):156–63
Producing video cassette programs for diet instruction. Pace PW, et al. **J Am Diet Assoc** 1981 Dec;79(6):689–92
There are no short cuts. McPheeters V. **J Audiov Media Med** 1980 Jul;3(3):99–100
Video techniques in film production. Marshall RJ, et al. **J Audiov Media Med** 1981 Jan;4(1):31
Electronystagmographic recording superimposed on a videotape sequence of eye movements. Longridge NS. **J Otolaryngol** 1981 Dec;10(6):493–4
Comparative effectiveness of videotape pretraining versus no pretraining on selected process and outcome variables in group therapy. Hilkey JH, et al. **Psychol Rep** 1982 Jun;50(3 Pt 2):1151–9

VIDINE see **CHOLINE**

VIGILANCE, CORTICAL see **AROUSAL**

VILLAGE HEALTH WORKER see **COMMUNITY HEALTH AIDES**

VILOXAZINE see under **MORPHOLINES**

VIMINOL see under **ETHANOLAMINES**

VINBLASTINE

In vitro vinblastine–induced tubulin paracrystals. Na GC, et al. **J Biol Chem** 1982 Sep 10;257(17):10387–91

ADMINISTRATION & DOSAGE

Vinblastine for autoimmune hemolytic anemia [letter] Medellin PL, et al. **Ann Intern Med** 1982 Jan;96(1):123
Mitomycin C and vinblastine chemotherapy for advanced breast cancer. Konits PH, et al. **Cancer** 1981 Sep 15; 48(6):1295–8
Vinblastine, infusion, bleomycin, and cis–dichlorodiammine–platinum chemotherapy in metastatic melanoma. Nathanson L, et al. **Cancer** 1981 Sep 15;48(6):1290–4
Sinus histiocytosis with massive lymphadenopathy: a case with unusual skin involvement and a therapeutic response to vinblastine–loaded platelets. Penneys NS, et al. **Cancer** 1982 May 15;49(10):1994–8
Phase II study of divided–dose vinblastine in non–small cell bronchogenic carcinoma. Schulman P, et al. **Cancer Treat Rep** 1982 Jan;66(1):171–2
ABVD chemotherapy in the treatment of Hodgkin's disease. Bonadonna G, et al. **Cancer Treat Rev** 1982 Mar;9(1):21–35 (42 ref.)
Vinblastine–loaded platelets—their effect in a patient with immune thrombocytopenia associated with Waldenstrom's macroglobulinaemia. Lee R, et al. **Clin Lab Haematol** 1982; 4(1):61–5
Adriamycin, bleomycin, vinblastine and DTIC in advanced diffuse lymphocytic poorly differentiated lymphoma. Grigoletto E, et al. **Tumori** 1981 Oct 31;67(5):477–81
[Attempt at treating idiopathic thrombocytopenic purpura with vinblastine—coated platelets] Górski J. **Pol Tyg Lek** 1982 May 3;37(9–10):263–4 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Raynaud's phenomenon and cancer chemotherapy [letter] Scheulen ME, et al. **Ann Intern Med** 1982 Feb;96(2):256–7
Syndrome of inappropriate ADH secretion secondary to vinblastine [letter] Stahel RA, et al. **Cancer Chemother Pharmacol** 1982;8(2):253–4
Vinblastine–induced erythrocytotoxicity. Neville AJ, et al. **Scand J Haematol** 1982 Jan;28(1):32–8
[Side–effects of polychemotherapy in metastatic testicular neoplasms (author's transl)] Hartlapp JH, et al. **Klin Wochenschr** 1982 Mar 1;60(5):257–61 (Eng. Abstr.) **(Ger)**

ANALOGS & DERIVATIVES

A phase II trail of vindesine in patients with refractory small–cell carcinoma of the lung. Fuks JZ, et al. **Am J Clin Oncol** 1982 Feb;5(1):49–52
Sequential phase II studies of chemotherapy for colorectal cancer with 5–fluorouracil and vindesine with or without methyl–1,3 cis(2 chloroethyl)–1–nitrosourea. Stroehlein JR, et al. **Am J Clin Oncol** 1982 Aug;5(4):421–7
Vindesine in bronchogenic carcinoma: a phase II trial. Vogelzang NJ, et al. **Am J Clin Oncol** 1982 Feb;5(1):41–4
Cisplatin and vindesine combination chemotherapy for advanced carcinoma of the lung: A randomized trial investigating two dosage schedules. Gralla RJ, et al. **Ann Intern Med** 1981 Oct;95(4):414–20
Biochemical effects of vindesine. Creasey WA. **Br J Cancer** 1981 Dec;44(6):921–4
A comparison of the response of human lung carcinoma xenografts to vindesine and vincristine. Evans BD, et al. **Br J Cancer** 1982 Mar;45(3):466–8
A vindesine–anti–CEA conjugate cytotoxic for human cancer cells in vitro. Johnson JR, et al. **Br J Cancer** 1981 Sep;44(3):472–5
Combination chemotherapy of esophageal carcinoma using cisplatin, vindesine, and bleomycin. Kelsen DP, et al. **Cancer** 1982 Mar 15;49(6):1174–7
Neurological toxicity of vindesine used in combination chemotherapy of 51 human solid tumors. Focan C, et al. **Cancer Chemother Pharmacol** 1981;6(2):175–81
Establishment of Vincristine–resistant and vindesine–resistant lines of murine lymphoblasts in vitro and characterisation of their patterns of cross–resistance and drug sensitivities. Hill BT, et al. **Cancer Chemother Pharmacol** 1982;8(2):163–9
Vindesine. A phase II trial in advanced breast cancer patients. Robins HI, et al. **Cancer Clin Trials** 1981 Winter;4(4):371–5
Effects of alpha–difluoromethylornithine alone and combined with adriamycin or vindesine on L1210 leukemia in mice, EMT6 solid tumors in mice, and solid tumors induced by injection of hepatoma tissue culture cells in rats. Bartholeyns J, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):5158–61
Comparison of the therapeutic response of patients with childhood acute lymphoblastic leukemia in relapse to vindesine versus vincristine in combination with prednisone and L–asparaginase: a phase III trial. Anderson J, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1015–9
Increased schedule–dependent synergism of vindesine versus vincristine in combination with methotrexate against L1210 leukemia. Chello PL, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1049–53
Effect of vinblastine, vincristine, and vindesine on neutrophil phagocytosis and iodination. Chohan V, et al. **Cancer Treat Rep** 1982 Mar;66(3):505–8
Vindesine overdose [letter] Fiorentino MV, et al. **Cancer Treat Rep** 1982 May;66(5):1247–8
Cisplatin, vindesine, and bleomycin (DVB) combination chemotherapy for esophageal carcinoma. Kelsen DP, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):781–5
Vindesine (VDS) monochemotherapy for non–small cell lung cancer: a report of 45 cases. Luedke SL, et al. **Cancer Treat Rep** 1982 Jun;66(6):1409–11
Vindesine in the treatment of squamous cell carcinoma, adenocarcinoma, and large cell carcinoma of the lung. Osterlind K, et al. **Cancer Treat Rep** 1982 Feb;66(2):305–9
Phase II evaluation of vindesine for patients with advanced colorectal carcinoma. Saiers JH, et al. **Cancer Treat Rep** 1982 Mar;66(3):583–4
Initial clinical studies of vindesine. Valdivieso M, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):873–5
Broad phase II study of vindesine. Valdivieso M, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):877–9
Vindesine–associated angina and ECG changes. Yancey RS, et al. **Cancer Treat Rep** 1982 Mar;66(3):587–9
Vindesine in the treatment of refractory breast cancer: improvement in therapeutic index with continuous 5–day infusion. Yap HY, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):775–9
Vindesine as a single agent and in combination with adriamycin in the treatment of metastatic breast carcinoma. Smith IE, et al. **Eur J Cancer** 1980;Suppl 1:271–3
Vinblastine, Vincristine and Vindesine: anti–invasive effect on MO4 mouse fibrosarcoma cells in vitro. Mareel MM, et al. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):199–210
Cross–resistance of cultured murine leukemia vincristine–resistant P388 cells to vinblastine, vindesine, and bis (N–ethylidene vindesine) disulfide, disulfate. Wilkoff LJ, et al. **JNCI** 1982 Jun;68(6):1023–6
Vindesine: a phase II study in childhood malignancies–a report for cancer and leukemia group B. Ettinger LJ, et al. **Med Pediatr Oncol** 1982;10(1):35–43
The comparative clinical pharmacology and pharmacokinetics of vindesine, vincristine, and vinblastine in human patients with cancer. Nelson RL. **Med Pediatr Oncol** 1982;10(2):115–27
[Continuous 5–day vindesine in the treatment of leukemias and lymphomas (author's transl)] Maraninchi D, et al. **Bull Cancer (Paris)** 1981;68(4):338–42 (Eng. Abstr.) **(Fre)**
[Therapy of the blast crisis in chronic myeloid leukemia. Results of a phase II study with vindesine] Hellriegel KP. **Folia Haematol (Leipz)** 1981;108(5):699–706 **(Ger)**
[Chemotherapy of head and neck squamous cell cancer with vindesine (Eldesine) and cis–platinum (Platinex) (author's transl)] Ruffmann R, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Jul;61(7):406–10 (Eng. Abstr.) **(Ger)**
[Preliminary results of a chemotherapy study of patients with squamous cell carcinoma in the head and neck region. Comparison of 2 therapeutic regimens: cis–diamminodichloroplatinum (II) and bleomycin compared to methotrexate and vindesine] von Heyden HW, et al. **Onkologie** 1981 Dec;4(6):296–9 (Eng. Abstr.) **(Ger)**
[Preliminary data on treatment with Vindesine in relapses of acute lymphoblastic leukemia (letter)] Jankovic M, et al. **Haematologica (Pavia)** 1981 Oct;66(5):710–2 **(Ita)**

IMMUNOLOGY

Induction in mice of cell–mediated immunity to Pseudomonas aeruginosa by high molecular weight polysaccharide and vinblastine. Pier GB, et al. **J Immunol** 1982 May; 128(5):2121–5

METABOLISM

Accumulation and release of vinblastine and vincristine by HeLa cells: light microscopic, cinematographic, and biochemical study. Lengsfeld AM, et al. **Cancer Res** 1982 Sep;42(9):3798–805
Pharmacokinetics of vinblastine in rat blood plasma and tumour tissue determined by a biological method using flow cytofluorimetry. Kipp JB, et al. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):867–73
The comparative clinical pharmacology and pharmacokinetics of vindesine, vincristine, and vinblastine in human patients with cancer. Nelson RL. **Med Pediatr Oncol** 1982;10(2):115–27

PHARMACODYNAMICS

Dose dependence of vinblastine–induced autophagocytosis in liver parenchymal, exocrine pancreas and seminal vesicle epithelial cells of the mouse in vivo. Kovács AL, et al. **Acta Biol Acad Sci Hung** 1981;32(2):157–9
Autophagocytosis: freeze–fracture morphology, effects of vinblastine and influence of transcriptional and translational inhibitors. Kovács J, et al. **Acta Biol Med Ger** 1982; 41(1):131–5
Neutrophil migration and orientation under agarose: findings in patients with the immotile cilia syndrome and effects of cytochalasin B and vinblastine. Palmblad J, et al. **Adv Exp Med Biol** 1982;141:49–59
Contrasting effects of maytansine and vinblastine on the

alkylation of tubulin sulfhydryls. Luduena RF, et al. **Arch Biochem Biophys** 1981 Sep;210(2):498–504

Stimulation of plasminogen activator expression and induction of DNA synthesis by microtubule–disruptive drugs. Chou IN, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1266–73

Interaction of tubulin with drugs and alkylating agents. 2. Effects of colchicine, podophyllotoxin, and vinblastine on the alkylation of tubulin. Ludueña RF, et al. **Biochemistry** 1981 Jul 21;20(15):4444–50

Effects of anchorage–modulating doses of concanavalin A, microtubule–disrupting drugs and microfilament perturbants, cytochalasins, on the phosphatidylinositol response of rat lymph–node cells. Sasaki T, et al. **Biochim Biophys Acta** 1981 Dec 7;649(2):449–54

Recovery of fast axonal transport and retinal protein synthesis in the rabbits after intraocular administration of vinblastine. Chihara E, et al. **Brain Res** 1982 Jun 3;241(1):179–81

Enhancement of vinblastine–induced cytotoxicity by lysolecithin and phosphatidylinositol. Tsuruo T, et al. **Cancer Lett** 1981 Jul;13(2):133–7

Continued expression of vinca alkaloid resistance by CCRF–CEM cells after treatment with tunicamycin or pronase. Beck WT, et al. **Cancer Res** 1982 Jan;42(1):184–9

Effect of vinblastine, vincristine, and vindesine on neutrophil phagocytosis and iodination. Chohan V, et al. **Cancer Treat Rep** 1982 Mar;66(3):505–8

Autoradiographic study on the role of different ribosome types in human lymphoblasts treated with vinblastine. Maraldi NM, et al. **Cell Mol Biol** 1981;27(5):483–9

Vinblastine and cytochalasin B effects on distribution of concanavalin A receptors in normal attached 3T3 cells. Stefanini S, et al. **Cell Mol Biol** 1981;27(4):333–9

Calmodulin in starfish oocytes. I. Calmodulin antagonists inhibit meiosis reinitiation. Meijer L, et al. **Dev Biol** 1981 Dec;88(2):318–24

Vinblastine, Vincristine and Vindesine: anti–invasive effect on MO4 mouse fibrosarcoma cells in vitro. Mareel MM, et al. **Eur J Cancer Clin Oncol** 1982 Feb;18(2):199–210

Degradation of secretory content in Golgi–enriched fractions from rat liver after vinblastine administration. Glaumann H, et al. **Exp Cell Res** 1982 Jul;140(1):201–13

Accumulation of autophagosomes after inhibition of hepatocytic protein degradation by vinblastine, leupeptin or a lysosomotropic amine. Kovács AL, et al. **Exp Cell Res** 1982 Jan;137(1):191–201

Effect of vinblastine on rat liver with special consideration to composition, intracellular migration, secretion, and degradation of lipoprotein particles and albumin. Sandberg PO, et al. **Exp Mol Pathol** 1982 Apr;36(2):242–61

Inhibition of anterior pituitary cyclic AMP phosphodiesterase by colchicine and vinblastine. Ewart RB. **FEBS Lett** 1982 May 3;141(1):25–8

The differential sensitivity of T cell immune functions to vincristine and vinblastine. Ryoyama K, et al. **Int J Immunopharmacol** 1982;4(3):187–93

Modifying effect of vinblastine on superoxide anion production by membrane perturbing agents in polymorphonuclear leukocytes. Okamura N, et al. **J Biochem (Tokyo)** 1982 May;91(5):1725–30

The effect of colchicine and vinblastine on the secretory activity of ameloblasts in the mouse lower incisor as revealed by autoradiography after injection of 35S–sodium sulphate. de Azevedo LF, et al. **J Biol Buccale** 1982 Mar; 10(1):45–54

Interactions of the tau–tubulin–vinblastine complex with colchicine, podophyllotoxin, and N,N'–ethylenebis(iodoacetamide). Palanivelu P, et al. **J Biol Chem** 1982 Jun 10;257(11):6311–5

Effect of vinblastine and cytochalasin B on the cytoskeletal domains in 3T3 cells. Temmink JH, et al. **J Cell Sci** 1981 Apr;48:55–73

Microtubule–depolymerizing agents inhibit Moloney murine leukaemia virus production. Satake M, et al. **J Gen Virol** 1982 Feb;58(Pt 2):339–49

Effects of cytochalasin B, colchicine, and vinblastine on progesterone synthesis and secretion by bovine luteal tissue in vitro. Gwynne A, et al. **J Reprod Fertil** 1982 May; 65(1):151–6

Effects of antimitotic agents on ultrastructure and intracellular transport of protein in pancreatic acini. Williams JA. **Methods Cell Biol** 1981;23:247–58

Effect of vinblastine on distribution of murine leukemia virus–derived membrane–associated antigens. Satake M, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6266–70

Effect of the microtubule disrupting agents, colchicine and vinblastine, on seminiferous tubule structure in the rat. Russell LD, et al. **Tissue Cell** 1981;13(2):349–67

Effects of amine substances on susceptibility of cells to agglutination by concanavalin A and on paracrystal formation by vinblastine in untransformed 3T3 cells. Saito K, et al. **Tohoku J Exp Med** 1982 May;137(1):91–9

Difference in effects of vinblastine and vincristine on the dog platelet aggregation. Takano S. **Tohoku J Exp Med** 1981 Sep;135(1):79–85

[In vitro study of tubulin polymerisation. Effects of ATP, vinblastine and isaxonine (author's transl)] Coelho R, et al. **Nouv Presse Med** 1982 Apr 8;11(16):1227–32 (Eng. Abstr.) **(Fre)**

[Transfusion of vinblastine–treated thrombocytes in the preparation of patients for splenectomy in immunothrombocytolytic purpura] Berkessy S, et al. **Orv Hetil** 1981 Jul 19;122(29):1773–5 **(Hun)**

[Effects of antimicrotubular agents on the secretory process of rat submandibular acinar cells (author's transl)] Kawai K. **Kaibogaku Zasshi** 1981 Dec;56(6):484–98 (Eng. Abstr.) **(Jpn)**

[Macrophage injury—a new method of treating idiopathic thrombocytopenia (editorial)] Kuratowska Z. **Pol Tyg Lek** 1982 May 3;37(9–10):253–4 **(Pol)**

[Reversible block in the hypothalamo–hypophyseal system. II. Effects of vinblastine on pituicytes and prolactogenic cells of the rat pituitary] de la Roza Ruiz C. **Trab Inst Cajal Invest Biol** 1979;70(4):305–19 (Eng. Abstr.) **(Spa)**

[Reversible block in the hypothalamo–hypophyseal system. I. Effects of vinblastine on the non–neural elements in the median eminence of the rat] de la Roza Ruiz C. **Trab Inst Cajal Invest Biol** 1979;70(4):289–303 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Phase II trial of combination methyl–GAG and vinblastine in the treatment of metastatic renal adenocarcinoma. Todd RF 3d, et al. **Cancer Treat Rep** 1982 Jul;66(7):1585–6

Treatment failures and severe complications in children with Hodgkin's disease. Armata J, et al. **Folia Haematol (Leipz)** 1981;108(3):406–11

Immunosuppressive therapy for refractory autoimmune thrombocytopenta—a new errective therapeutic tool. Agarwal MB. **Indian J Med Sci** 1981 Sep;35(9):205–8

Clinical applications of Vinca alkaloids. Rosenthal RC. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1084, 1086

A new suggestion of the design of rational anticancer therapy: experimental studies in mice. Setälä K. **Med Hypotheses** 1982 Mar;8(3):207–30

[Possibilities of cytostatic therapy in adenocarcinoma of the kidney. I. Influence of vinblastine on the growth of transplanted tumors] Köllermann MW, et al. **Urol Int** 1981; 36(2):137–44 (Eng. Abstr.) **(Ger)**

TOXICITY

Combined effects of vinblastine and vincristine on mouse hepatocytes with respect to ultrastructural elements. Rassat J, et al. **Exp Pathol** 1981;20(3):163–74

Vinblastine sulphate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:349–63

Acute colchicine and vinblastine toxicity in 6–sulfanilamidoindazole–pretreated rats. Miller ML, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):500–8

[Role of cytostatic agents in the pathogenesis of neuro– and myopathies] Rezviakov NP, et al. **Biol Nauki** 1981;(9):25–30 **(Rus)**

VINCA ALKALOIDS

[Spray embedding of vinpocetin with beta–cyclodextrin] Kata M, et al. **Pharmazie** 1982 May;37(5):386–7 **(Ger)**

ADMINISTRATION & DOSAGE

The chemotherapy of advanced squamous cell carcinomas: long term results obtained with a combination of methotrexate, the vinca alkaloids and bleomycin. Turner RL, et al. **Clin Radiol** 1982 Jan;33(1):101–8

Comparative in vitro evaluation of six commercial vincamin prolonged–release dosage forms. Buri P, et al. **J Clin Hosp Pharm** 1981 Jun;6(2):101–5

ANALYSIS

Simultaneous evaluation of apovincaminic acid esters and their metabolite apovincaminic acid by solvent partition and GLC in biological samples. Preliminary data with MR 711. Marzo A, et al. **Arzneimittelforsch** 1981;31(10):1681–4

[Assay and bioavailability of vincamine (author's transl)] Jaminet F, et al. **J Pharm Belg** 1981 Nov–Dec;36(6):421–5 (Eng. Abstr.) **(Fre)**

BLOOD

Determination of 11–bromovincamine in human plasma by high–performance liquid chromatography. Brodie RR, et al. **J Chromatogr** 1982 Mar 12;228:413–7

Determination of apovincaminic acid in biological samples by high–performance liquid chromatography. Kozma M, et al. **J Chromatogr** 1982 May 28;241(1):177–82

Determination of apovincaminic acid in human plasma by gas–liquid chromatography. Polgár M, et al. **J Chromatogr** 1982 May 28;241(1):29–32

CHEMICAL SYNTHESIS

A new phthalidyl derivative of apovincaminic acid: (3 alpha,16 alpha)–eburnamenine–14 carboxylic acid phthalidyl ester (AF 698). A preliminary report on its chemical and pharmacological properties. Marzo A, et al. **Arzneimittelforsch** 1982;32(6):601–3

METABOLISM

The pharmacokinetics and metabolism of N–desmethyl–N–formyl–leurosine (F–leurosine) in the rat. Ronai–Lukacs S, et al. **Eur J Drug Metab Pharmacokinet** 1982 Jan–Mar;7(1):47–53

Determination of apovincaminic acid in human plasma by gas–liquid chromatography. Polgár M, et al. **J Chromatogr** 1982 May 28;241(1):29–32

[Autoradiographic demonstration of the passage of vincamin through the blood–brain barrier] Sprumont P, et al. **Fortschr Med** 1982 Mar 18;100(11):471–5 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Rapid communication the activating activity of vincamine, piracetam, and hydergine on the activity of the noradrenergic neurons of the locus coeruleus. Olpe HR, et al. **Behav Neural Biol** 1981 Oct;33(2):249–51

Experimental in vivo cross–resistance of vinca alkaloid drugs. Maral R, et al. **Cancer Chemother Pharmacol** 1981; 5(3):197–9

Effect of vincamine on some enzymatic activities from various areas of the beagle dog cerebral cortex. Benzi G, et al. **Farmaco [Sci]** 1981 Sep;36(9):811–6

Calmodulin, activated cyclic nucleotide phosphodiesterase, microtubules, and vinca alkaloids. Watanabe K, et al. **Fed Proc** 1982 May;41(7):2292–9

Effects of acute and chronic treatment with (–)eburnamonine on the tissue supply of oxygen. Ferretti PG, et al. **Pharmatherapeutica** 1982;3(2):119–26

[In vitro dissolution test: evaluation criterion for prolonged release dosage forms vincamine example (author's transl)] Buri P, et al. **Praxis** 1981 Jul 14;70(29):1310–3 (Eng. Abstr.) **(Fre)**

[Effect of vincamine on blood viscosity] Ehrly AM, et al. **Fortschr Med** 1982 May 27;100(20):969–71 (Eng. Abstr.) **(Ger)**

[Electrophysiologic effect of Cavinton on the isolated preparation of a guinea pig heart] Paróczai M, et al. **Orv Hetil** 1981 Dec 6;122(49):3011–3014 **(Hun)**

[The effect of Cavinton on heart conduction] Solti F, et al. **Orv Hetil** 1981 Dec 6;122(49):3009–10 **(Hun)**

[Effect of Bromovincamine on noradrenaline and 5–hydroxytryptamine contents, and glucose metabolism in rat brain: analysis using spontaneously hypertensive rats (SHR) (author's transl)] Ida S, et al. **Nippon Yakurigaku Zasshi** 1981 Sep;78(3):203–12 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Experimental electropharmacologic studies of cerebral ischemia (author's transl)] Depoortere H. **Rev Electroencephalogr Neurophysiol Clin** 1981 Jul–Sep; 10(3):207–14 (Eng. Abstr.) **(Fre)**

[Treatment of acoustic traumatism with injectable vincamine. Random double blind clinical trial with a complementary comparative element (author's transl)] Hennebert D, et al. **Rev Med Brux** 1982 Jan;3(1):37–43 **(Fre)**

[Clinical and Neuropsychological changes associated with vincamin treatment in cerebrovascular disease (author's transl)] Ambrozi L, et al. **Nervenarzt** 1982 Mar;53(3):141–3 **(Ger)**

[Multi–center study of Cetal retard. Results of 60 studies] Jeske H, et al. **ZFA (Stuttgart)** 1982 Mar 10;58(7):430–8 **(Ger)**

[Electrophysiological variations induced by (–) eburnamonine in patients with chronic cerebrovascular insufficiency] Facciolla D, et al. **Riv Neurol** 1980 Nov–Dec; 50(6):383–405 (Eng. Abstr.) **(Ita)**

[Effects of Cavinton on the pathological changes in ischemic brain changes starting as an acute disease] Bałuka–Horecka M. **Przegl Lek** 1982;39(4):325–8 **(Pol)**

[Effectiveness of the preparation Gavinton in preventing motion sickness] Bodo D, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):49–51 (Eng. Abstr.) **(Rus)**

TOXICITY

Changes in mouse hepatocytes caused by vincamin. A thin–sectioning and freeze–fracture study. Rassat J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1982 Mar; 318(4):349–57

VINCALEUKOBLASTINE see **VINBLASTINE**

VINCAMINE see under **VINCA ALKALOIDS**

VINCENT'S INFECTION see **GINGIVITIS, NECROTIZING ULCERATIVE**

VINCRISTINE

Pregnancy following combination chemotherapy for a mixed germ cell tumor of the ovary. Schwartz PE, et al. **Gynecol Oncol** 1981 Dec;12(3):373–8

ADMINISTRATION & DOSAGE

Infusion of vincristine–loaded platelets in acute ITP refractory to steroids: an alternative to splenectomy. Nenci GG, et al. **Acta Haematol (Basel)** 1981;66(2):117–21

Multidrug chemotherapy (vincristine–bleomycin–methotrexate) followed by radiotherapy in inoperable carcinomas of the head and neck: a pilot study of the Radiation Therapy Oncology Group. Figueroa–Vallés NR, et al. **Am J Clin Oncol** 1982 Aug;5(4):399–404

Comparison of vincristine utilized simultaneously or 24 hours before cyclophosphamide in maintenance regimen of acute lymphoblastic leukemia of children: a report of Childrens Cancer Study Group. Krivit W, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):227–31

Combination chemotherapy study for remission maintenance in ALL: an evaluation of vincristine, cyclophosphamide and vincristine, cyclophosphamide, and BCNU: a Southwest Oncology Group Phase II Study. Sexauer CL, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):255–7

Prognostic factors in COPP–treated patients with Hodgkin's disease. Gassmann W, et al. **Blut** 1982 Jun;44(6):339–48

Intravenous vincristine infusion: phase I trial. Jackson DV Jr, et al. **Cancer** 1981 Dec 15;48(12):2559–64

Multifocal relapse after concurrent chemotherapy and radiotherapy of small cell lung cancer. Kreisman H, et al. **Cancer** 1982 Sep 1;50(5):873–6

Treatment of tissue extravasation by antitumor agents. Larson DL. **Cancer** 1982 May 1;49(9):1796–9

Comparison of the use of teniposide and vincristine in combination chemotherapy for non–Hodgkin's lymphoma. **Cancer Treat Rep** 1982 Jan;66(1):49–55

Melphalan, vincristine, and 5–FU in advanced colonic carcinoma: results of a pilot study. Ashenhurst J, et al. **Cancer Treat Rep** 1981 Sep–Oct;65(9–10):869–72

Increased schedule–dependent synergism of vindesine versus vincristine in combination with methotrexate against L1210 leukemia. Chello PL, et al. **Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1049–53

Bleomycin, cisplatin, vincristine, and methotrexate in advanced non–small cell bronchogenic carcinoma [letter] Rosenthal CJ, et al. **Cancer Treat Rep** 1982 Jan;66(1):205–6

Combination chemotherapy with cyclophosphamide, vincristine, and prednisone (CVP) in TNM–classified stage IV mycosis fungoides. Tirelli U, et al. **Cancer Treat Rep** 1982 Jan;66(1):167–9

Chemotherapy for medulloblastoma in children. Current status and future prospects. Pezzotta S, et al. **Childs Brain** 1982;9(3–4):294–8

Vincristine must not be administered intrathecally [letter] Dyke RW. **JAMA** 1982 Jul 9;248(2):171–2

[Results of treatment of undifferentiated lung cancer with vincristine combined with cyclophosphamide] Krawczyk K, et al. **Nowotwory** 1981;30(4):319–24 (Eng. Abstr.) **(Pol)**

[Completion of intensive polychemotherapy of lymphoblastic leukemia in children] Michalewska D, et al. **Pediatr Pol** 1981 Aug;56(8):909–14 (Eng. Abstr.) **(Pol)**

[Chemotherapy of non–Hodgkin lymphoma by the COP schedule] Krajewska B, et al. **Wiad Lek** 1981 May 15; 34(10):815–9 (Eng. Abstr.) **(Pol)**

[Chronic idiopathic thrombocytopenic purpura. Analysis of the current therapeutic resources] González de Mondini N, et al. **Medicina (B Aires)** 1981;41 Suppl:262–6 (Eng. Abstr.) **(Spa)**

[Beguez–Cesar, or Chediak–Higashi, disease: study of a case in pseudo–lymphoma phase (author's transl)] Zabala P, et al. **Sangre (Barc)** 1982;27(1):88–95 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Acute acoustic nerve palsy associated with vincristine therapy. Mahajan SL, et al. **Cancer** 1981 May 15; 47(10):2404–6

Possible enhancement of vincristine neuropathy by VP–16. Thant M, et al. **Cancer** 1982 Mar 1;49(5):859–64

Can severe vincristine neurotoxicity be prevented? Desai ZR, et al. **Cancer Chemother Pharmacol** 1982;8(2):211–4

Treatment of vincristine–induced ileus with sincalide, a cholecystokinin analog. Jackson DV Jr, et al. **Cancer Chemother Pharmacol** 1982;8(1):83–5

Effects of high–dose methotrexate and vincristine on ovarian and testicular functions in patients undergoing postoperative adjuvant treatment of osteosarcoma. Shamberger RC, et al. **Cancer Treat Rep** 1981 Sep–Oct; 65(9–10):739–46

Delayed tissue necrosis to chemotherapy – a case report. Prados M, et al. **J La State Med Soc** 1982 Jan–Feb; 134(1):5–7

Comparative toxicity of chemotherapy following partial hepatectomy. Grosfeld JL, et al. **J Pediatr Surg** 1981 Dec; 16(6):950–4

Vincristine toxicity––report of case. Hensley MF. **JAOA** 1981 Sep;81(1):34–5

Optic atrophy induced by vincristine. Shurin SB, et al. **Pediatrics** 1982 Aug;70(2):288–91

Oral VP–16–213 in advanced bronchogenic carcinoma [letter] Cantwell B. **Thorax** 1981 Sep;36(9):719–20

[Renal lesions after irradiation and chemotherapy with adriamycin, vincristin and 5–fluoro–uracil (author's transl)] Birembaut P, et al. **Nephrologie** 1981;2(1):11–4 (Eng. Abstr.) **(Fre)**

[Extrapyramidal syndrome and vincristine treatment. Report of a case (author's transl)] Jean P, et al. **Therapie** 1981 May–Jun;36(3):343–6 (Eng. Abstr.) **(Fre)**

[Cardiac reaction to vincristine] Manor Y, et al. **Harefuah** 1980 Dec 1;99(11):364–5 (Eng. Abstr.) **(Heb)**

[Myocardial infarct after treatment of Hodgkin's disease with vincristine] Tavčar I, et al. **Srp Arh Celok Lek** 1980 Dec; 108(12):1325–31 (Eng. Abstr.) **(Scc)**

[Secondary effects of the administration of vincrisul to infants (letter)] Bernácer Borja M. **An Esp Pediatr** 1981 May; 14(5):293 **(Spa)**

[Hypertension, grand mal epilepsy, intestinal dyskinesia, sensitive motor neuropathy and hyponatremia resulting from acute vincristine overdosage (author's transl)] Fernández MN, et al. **Sangre (Barc)** 1981;26(2):209–15 (Eng. Abstr.) **(Spa)**

ANALYSIS

Assay for methotrexate in nanomolar concentrations with simultaneous detection of citrovorum factor and vincristine. Deen WM, et al. **Anal Biochem** 1981 Jul 1; 114(2):355–61

ANTAGONISTS & INHIBITORS

[Protective effect of isaxonine against vincristine–induced neuropathy (author's transl)] Duhamel G, et al. **Nouv Presse Med** 1982 Apr 8;11(16):1254–6 (Eng. Abstr.) **(Fre)**

[Study of the effects of isaxonine on retrograde axon degeneration induced by vincristine in man (author's transl)] Guiheneuc P, et al. **Nouv Presse Med** 1982 Apr 8;11(16):1257–61 (Eng. Abstr.) **(Fre)**

[Reversal by isaxonine of the inhibitory effect of vincristine on the growth of neurites in cultures (author's transl)] Tarrade T. **Nouv Presse Med** 1982 Apr 8;11(16):1233–7 (Eng. Abstr.) **(Fre)**

BLOOD

Pharmacokinetics of vincristine infusion. **Jackson DV Jr, et al. Cancer Treat Rep** 1981 Nov–Dec;65(11–12):1043–8

ISOLATION & PURIFICATION

[A new source of vincristine (author's transl)] Zhuang YC. **Yao Hsueh Hsueh Pao** 1982 Jan;17(1):38–40 (Eng. Abstr.) **(Chi)**

METABOLISM

Pharmacokinetics of vincristine sulfate in children. Sethi VS, et al. **Cancer Chemother Pharmacol** 1981;6(2):111–5

The pharmacokinetics of vincristine in man: reduced drug clearance associated with raised serum alkaline phosphatase and dose–limited elimination. Van den Berg HW, et al. **Cancer Chemother Pharmacol** 1982;8(2):215–9

Accumulation and release of vinblastine and vincristine by HeLa cells: light microscopic, cinematographic, and biochemical study. Lengsfeld AM, et al. **Cancer Res** 1982 Sep;42(9):3798–805

The comparative clinical pharmacology and pharmacokinetics of vindesine, vincristine, and vinblastine in human patients with cancer. Nelson RL. **Med Pediatr Oncol** 1982;10(2):115–27

PHARMACODYNAMICS

Restored in vitro sensitivity of adriamycin– and vincristine–resistant P388 leukemia with reserpine. Inaba M, et al. **Biochem Pharmacol** 1981 Aug 1;30(15):2191–4

Effects of a microtubule stabilizing agent on the response of platelets to vincristine. White JG, et al. **Blood** 1982 Aug; 60(2):474–83 (33 ref.)

In vivo cell kinetic effects of vincristine on the spontaneous AKR leukemia: recruitment of non–proliferating cells. Hiller K, et al. **Blut** 1982 Jul;45(1):39–45

Vincristine inhibits the synthesis of malondialdehyde by human platelets in vitro. Martin JF, et al. **Cancer** 1982 Feb 15;49(4):665–8

Establishment of Vincristine–resistant and vindesine–resistant lines of murine lymphoblasts in vitro and characterisation of their patterns of cross–resistance and drug sensitivities. Hill BT, et al. **Cancer Chemother Pharmacol** 1982;8(2):163–9

Augmentation of the intracellular levels of polyglutamyl derivatives of methotrexate by vincristine and probenecid in Ehrlich ascites tumor cells. Fry DW, et al. **Cancer Res** 1982 Jul;42(7):2532–6

Effect of vinblastine, vincristine, and vindesine on neutrophil phagocytosis and iodination. Chohan V, et al. **Cancer Treat Rep** 1982 Mar;66(3):505–8

Preliminary report on the effects of a four drug cytoxic protocol on wound healing in the rat. Hughes KB. **Clin Oncol** 1981 Sep;7(3):235–40

Inhibition by chemotherapeutic agents of human bone marrow progenitor cells and clonogenic cells of a lymphoblastic cell line. Williams CK, et al. **Eur J Cancer** 1981 May;17(5):519–26

A study of factors related to the action of 1–propargyl–5–chloropyrimidin–2–one (NY 3170) and vincristine in human multicellular spheroids. Wibe E, et al. **Eur J Cancer Clin Oncol** 1981 Sep;17(9):1053–9

Mechanism of natural resistance to vincristine in rat ascites hepatoma AH66. Inaba M, et al. **Gan** 1981 Aug;72(4):562–8

The differential sensitivity of T cell immune functions to vincristine and vinblastine. Ryoyama K, et al. **Int J Immunopharmacol** 1982;4(3):187–93

Ultrastructural alterations in the mouse liver following vincristine administration. Kassat J, et al. **J Submicrosc Cytol** 1981 Jul;13(3):321–35

In vitro effects of vincristine on arachidonic acid metabolism in human platelets and rat arterial tissue. Shah NT, et al. **Thromb Res** 1981 Aug 1;23(3):225–31

Difference in effects of vinblastine and vincristine on the dog platelet aggregation. Takano S. **Tohoku J Exp Med** 1981 Sep;135(1):79–85

Effect of vincristine on bone marrow cells of patients with multiple myeloma. A cytokinetic study. Riccardi A, et al. **Virchows Arch [Cell Pathol]** 1981;35(3):239–48

[Effects of isaxonine on experimentally induced vincristine neuropathy in rabbits (author's transl)] Kowa H, et al. **Nouv Presse Med** 1982 Apr 8;11(16):1246–9 (Eng. Abstr.) **(Fre)**

[Effect of cytostatics on the development of denervation disorders in skeletal muscles] Mikhailov VV. **Biull Eksp Biol Med** 1981 Nov;92(11):537–9 (Eng. Abstr.) **(Rus)**

POISONING

Subacute vincristine toxicity following five consecutive daily doses. Jochimsen PR. **Am J Clin Oncol** 1982 Aug; 5(4):437–41

THERAPEUTIC USE

Phase II trial of methyl–CCNU, vincristine, 5–fluorouracil, and streptozotocin (MOF–Strep) in patients with disseminated pancreatic carcinoma. Sordillo PP, et al. **Am J Clin Oncol** 1982 Jun;5(3):277–9

Low response rate to 5 aza–cytidine, vincristine, and prednisone therapy in previously treated childhood acute nonlymphocytic leukemia: a Southwest Oncology Group Study. Nitschke R, et al. **Am J Pediatr Hematol Oncol** 1981 Fall;3(3):307–9

Nodular mixed lymphoma: results of a randomized trial failing to confirm prolonged disease–free survival with COPP chemotherapy. Glick JH, et al. **Blood** 1981 Nov; 58(5):920–5

A comparison of the response of human lung carcinoma xenografts to vindesine and vincristine. Evans BD, et al. **Br J Cancer** 1982 Mar;45(3):466–8

Intrathoracic soft tissue sarcomas in children. Crist WM, et al. **Cancer** 1982 Aug 1;50(3):598–604

Combination chemotherapy (CMFVP) versus L–phenylalanine mustard (L–PAM) for operable breast cancer with positive axillary nodes: a Southwest Oncology Group Study. Glucksberg H, et al. **Cancer** 1982 Aug 1; 50(3):423–34

A prognostic factor analysis for use in development of predictive models for response in adult acute leukemia. Keating MJ, et al. **Cancer** 1982 Aug 1;50(3):457–65

Combination chemotherapy with cyclophosphamide, vincristine, prednisone and the contribution of adriamycin in the treatment of adult non–Hodgkin's lymphomas a report of 131 cases. Parlier Y, et al. **Cancer** 1982 Aug 1; 50(3):401–9

Prediction of remission in adult acute leukemia: development and testing of predictive models. Smith TL, et al. **Cancer** 1982 Aug 1;50(3):466–72

Fluorouracil, imidazole carboxamide dimethyl triazeno, vincristine, and bis–chloroethyl nitrosourea (FIVB) in colon cancer. Falkson G, et al. **Cancer Chemother Pharmacol** 1981;6(1):31–4

Mitomycin–C, bleomycin, vincristine, and cis–platinum in the treatment of advanced, recurrent squamous cell carcinoma of the cervix. Alberts DS, et al. **Cancer Clin Trials** 1981 Fall;4(3):313–6

Adriamycin plus vincristine alone or with dibromodulcitol or ICRF–159 in metastatic breast cancer. Cummings FJ, et al. **Cancer Clin Trials** 1981 Fall;4(3):253–60

Synergistic effect of ricin in combination with daunorubicin, cis–dichlorodiammineplatinum(II) and vincristine in systemic L1210 leukemia. Fodstad O, et al. **Cancer Res** 1982 Jun;42(6):2152–8

CCNU, vincristine, methotrexate, and procarbazine treatment of relapsed small cell lung carcinoma. Poplin EA, et al. **Cancer Treat Rep** 1982 Jul;66(7):1557–9

Increased renal kallikrein excretion in SIADH after vincristine therapy. Tomita M, et al. **Endocrinol Jpn** 1981 Oct;28(5):637–41

Chemoimmunotherapy for metastatic malignant melanoma using vincristine (NSC–67574), DTIC (NSC–45388) and Bacillus Calmette–Guerin. Thatcher N, et al. **Eur J Cancer** 1981 Apr;17(4):465–9

Adjuvant chemotherapy with four drugs for stage 2 breast cancer. Wheeler TK, et al. **Eur J Cancer** 1980;Suppl 1:161–3

Remission–induction, consolidation and maintenance therapy by AVA protocol in acute nonlymphoblastic leukemia. Torlontano G, et al. **Haematologica (Pavia)** 1982 Apr; 67(2):230–45

Adjuvant chemotherapy with procarbazine, vincristine and prednisone for medulloblastomas. A preliminary report. Seiler RW, et al. **Helv Paediatr Acta** 1981 Jul;36(3):249–54

Vincristine and prednisolone induction and reinforcement therapy for acute lymphoblastic leukaemia in children. Shetty PA, et al. **Indian J Cancer** 1981 Jun;18(2):150–2

Development of resistance to vincristine in a childhood rhabdomyosarcoma growing in immune–deprived mice. Houghton JA, et al. **Int J Cancer** 1981 Oct 15;28(4):409–15

Vincristine in the treatment of thrombocytopenia in five dogs. Greene CE, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):140–3

Clinical applications of Vinca alkaloids. Rosenthal RC. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1084, 1086

Improved three–year disease–free survival in osteogenic sarcoma. Bleyer WA, et al. **J Bone Joint Surg [Br]** 1982; 64(2):233–8

Autoimmune blood dyscrasias in five patients with hypogammaglobulinemia: response of neutropenia to vincristine. Webster AD, et al. **J Clin Immunol** 1981 Apr; 1(2):113–8

Chemoimmunotherapy for melanoma with DTIC, ACNU, VCR and OK432: evaluation of new combinations for survival rates, side effects and cellular immunity. Jimbow K, et al. **J Dermatol (Tokyo)** 1981 Aug;8(4):259–66

Thrombotic thrombocytopenic purpura and vincristine [letter] Gundlach WJ, et al. **JAMA** 1982 Sep 3;248(9):1063

Treatment of thrombotic thrombocytopenic purpura with vincristine. Gutterman LA, et al. **JAMA** 1982 Mar 12; 247(10):1433–6

Chemotherapy of L1210 leukemia with 5–azacytidine in combination with vincristine, adriamycin, or beta–cytosine arabinoside. Presant CA, et al. **JNCI** 1981 Dec;67(6):1283–8

Two cases of acute myelogenous leukemia with high terminal deoxynucleotidyl transferase activity responding to vincristine–prednisolone treatment with complete remission. Takaku F, et al. **Jpn J Med** 1981 Jul;20(3):227–31

Treatment of adult acute lymphocytic leukemia. Letendre L, et al. **Mayo Clin Proc** 1982 Jul;57(7):426–30

Sequential combination of vincristine, adriamycin and cyclophosphamide (VAC), and radiotherapy in advanced non–small–cell lung cancer. Wils JA, et al. **Neth J Med** 1982;25(2):43–6

Terminal transferase in various kinds of leukemia cells and its usefulness as a marker enzyme for vincristine and prednisolone treatment. Sakamoto S, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):43–52

Treatment of stage I and II mediastinal Hodgkin disease. A comparison of involved fields, extended fields, and involved fields followed by MOPP in patients staged by laparotomy. Hagemeister FB, et al. **Radiology** 1981 Dec; 141(3):783–9

Follow–up results from a randomized trial for T3 and T4 breast cancer patients: previous BCG immunotherapy improves response to chemotherapy in the relapse patient. Serrou B, et al. **Recent Results Cancer Res** 1982;80:157–61

A randomized trial of postoperative five–versus three–drug chemotherapy after mastectomy: a Cancer and Leukemia Group B (CALGB) study. Weiss RB, et al. **Recent Results Cancer Res** 1982;80:170–6

Vincristine and prednisolone therapy in blast crisis of chronic myelogenous leukaemia in childhood. Kano Y, et al. **Scand J Haematol** 1981 Nov;27(5):323–6

Acute myelofibrosis (myelosclerosis) presenting as a case of severe thrombocytopenic purpura. Kueh YK, et al. **Singapore Med J** 1982 Feb;23(1):46–8

Preoperative chemotherapy for Wilms tumor. Bracken RB, et al. **Urology** 1982 Jan;19(1):55–60

[Randomized trial of vincristin–methotrexate–bleomycin and cis–platin or detorubicin for advanced head and neck cancer (author's transl)] Cappelaere P, et al. **Bull Cancer (Paris)** 1981;68(5):422–7 (Eng. Abstr.) **(Fre)**

[The combination methyl–CCNU, vincristine, 5–fluorouracil and streptozotocin in the treatment of advanced colo–rectal adenocarcinoma] Togni P, et al. **Schweiz Med Wochenschr** 1982 Jun 26;112(26):930–3 (Eng. Abstr.) **(Fre)**

[About the value of adjuvant chemotherapy in advanced cervical cancer. First results of a prospective randomised study (author's transl)] Richter P. **Arch Geschwulstforsch** 1982;52(2):117–22 (Eng. Abstr.) **(Ger)**

[Palliative chemotherapy of inoperable squamous cell cancer of the head and neck with V–B–M–schedule (author's transl)] Ruffmann R, et al. **HNO** 1981 Aug;29(8):270–3 (Eng. Abstr.) **(Ger)**

[Improved prognosis in Wilms' tumor due to adjuvant combination drug therapy] Haas RJ, et al. **Onkologie** 1982 Apr;5(2):60–6 (Eng. Abstr.) **(Ger)**

[Results with MOPP combination chemotherapy in Hodgkin's disease (author's transl)] Neumann E. **Wien Klin Wochenschr** 1981 Feb 20;93(4):134–7 (Eng. Abstr.) **(Ger)**

[A trial of vincristine therapy in chronic phase of chronic myelocytic leukemia (author's transl)] Kamada N, et al. **Nippon Ketsueki Gakkai Zasshi** 1981 Sep;44(5):1050–3 (Eng. Abstr.) **(Jpn)**

[Treatment of autoimmune thrombocytopenic purpura with vincristine] Bueva OA, et al. **Ter Arkh** 1981;53(11):80–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Neurotoxicology of vincristine in the cat. Electrophysiological studies. Goldstein BD, et al. **Arch Toxicol** 1981 Nov;48(4):253–64

Soft–tissue necrosis induced by extravasated cancer chemotherapeutic agents: a study of active intervention. Barr RD, et al. **Br J Cancer** 1981 Aug;44(2):267–9

Combined effects of vinblastine and vincristine on mouse hepatocytes with respect to ultrastructural elements. Rassat J, et al. **Exp Pathol** 1981;20(3):163–74

Vincristine sulphate. **IARC Monogr Eval Carcinog Risk Chem Hum** 1981 May; 26:365–84

Behavioral investigation of neurotoxicity: the effects of colchicine, lumicolchicine and vincristine sulfate on goldfish optic nerve regeneration. Davis RE, et al. **Neurotoxicology (Park Forest II)** 1981 Nov;2(3):419–30

VINYL CHLORIDE see under **VINYL COMPOUNDS**

VINYL COMPOUNDS

Review of epidemiologic study results of vinyl chloride–related compounds. Apfeldorf R, et al. **Environ Health Perspect** 1981 Oct;41:221–6

Review of experimental carcinogenesis by compounds related to vinyl chloride. Chu KC, et al. **Environ Health Perspect** 1981 Oct;41:211–20

ADVERSE EFFECTS

Angiographic study of digital arteries in workers exposed to vinyl chloride Falappa P, et al. **Br J Ind Med** 1982 May;39(2):169–72

Progression of vinyl chloride induced hepatic fibrosis to angiosarcoma of the liver. Jones DB, et al. **Br J Ind Med** 1982 Aug;39(3):306–7

Pulmonary manifestations of vinyl and polyvinyl chloride [letter] Brooks SM. **Chest** 1982 Feb;81(2):262–4

Does this patient have vinyl chloride disease? Dierickx L, et al. **Contact Dermatitis** 1981 Nov;7(6):356–7

Conference to Reevaluate the Toxicity of Vinyl Chloride Monomer, Poly(vinyl Chloride) and Structural Analogs. Bethesda, Md., March 20–21, 1980. **Environ Health Perspect** 1981 Oct;41:1–231

Review of epidemiologic study results of vinyl chloride–related compounds. Apfeldorf R, et al. **Environ Health Perspect** 1981 Oct;41:221–6

Epidemiologic study of vinyl chloride workers: mortality through December 31, 1972. Cooper WC. **Environ Health Perspect** 1981 Oct;41:101–6

Power considerations in studies of reproductive effects of vinyl chloride and some structural analogs. Hatch M, et al. **Environ Health Perspect** 1981 Oct;41:195–201

Needs for public health intervention and needs for new research on vinyl halides and their polymers: a public policy perspective. Hattis D. **Environ Health Perspect** 1981 Oct;41:227–31

Observations of the site–specific carcinogenicity of vinyl chloride to humans. Infante PF. **Environ Health Perspect** 1981 Oct;41:89–94

Review of pulmonary effects of poly(vinyl chloride) and vinyl chloride exposure. Lilis R. **Environ Health Perspect** 1981 Oct;41:167–9

Results of sputum, cytology among workers exposed to vinyl chloride monomer and to poly(vinyl chloride). Maltoni C, et al. **Environ Health Perspect** 1981 Oct;41:85–8

Epidemiological study of pneumoconiosis in the Italian poly(vinyl chloride) industry. Mastrangelo G, et al. **Environ Health Perspect** 1981 Oct;41:153–7

Mortality and cancer rates among workers in the Swedish PVC processing industry. Molina G, et al. **Environ Health Perspect** 1981 Oct;41:145–51

Effectiveness of federally required medical laboratory screening in the detection of chemical liver injury. Tamburro CH, et al. **Environ Health Perspect** 1981 Oct; 41:117–22

Angiosarcoma of the liver: a signal lesion of vinyl chloride exposure. Vianna NJ, et al. **Environ Health Perspect** 1981 Oct;41:207–10

Excess lung cancer risk in a synthetic chemicals plant. Waxweiler RJ, et al. **Environ Health Perspect** 1981 Oct; 41:159–65

German investigations on morbidity and mortality of workers exposed to vinyl chloride. Weber H, et al. **Environ Health Perspect** 1981 Oct;41:95–9

Malignant tumors after chronic exposure to vinyl chloride. Emmerich KH, et al. **J Cancer Res Clin Oncol** 1981; 102(1):1–11

Neurological changes in vinyl chloride–exposed workers. Stýblová V, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):233–43

Cancer mortality of a group of Canadian workers exposed to vinyl chloride monomer. Thériault G, et al. **JOM** 1981 Oct;23(10):671–6

[Exposition to vinyl chloride and mortality of German chemical workers as compared with the mortality of unexposed chemical workers and PVC workers] Greiser E, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 Feb;32(2):44–62 (Eng. Abstr.) **(Ger)**

[Idiopathic portal hypertension in a worker exposed to vinyl chloride (author's transl)] Angotzi G, et al. **Med Lav** 1982 Mar–Apr;73(2):136–9 **(Ita)**

[Difficulties of early diagnosis of liver damage in persons exposed to vinyl chloride] Gluszcz M. **Med Pr** 1981; 32(4):277–82 (Eng. Abstr.) **(Pol)**

[Carcinogenicity of vinyl chloride] Byczkowska Z. **Pol Tyg Lek** 1982 Mar 29;37(3):95–7 **(Pol)**

[Blastomogenic hazard of vinyl chloride (based on clinical, hygienic and epidemiological study data)] Filatova VS, et al. **Gig Tr Prof Zabol** 1982 Jan;(1):28–31 (Eng. Abstr.) **(Rus)**

[Adiposogenic action of industrial poisons] Makarov IA, et al. **Gig Tr Prof Zabol** 1981;(12):29–32 (Eng. Abstr.) **(Rus)**

ANALYSIS

Determination of vinyl chloride in water by headspace analysis with a photoionization detector. Stein VB, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):583–7

EPA programs of vinyl chloride monitoring in ambient air. Dimmick WF. **Environ Health Perspect** 1981 Oct;41:203–6

Worker exposure to vinyl chloride and poly(vinyl chloride). Jones JH. **Environ Health Perspect** 1981 Oct;41:129–36

Determination of partition coefficients of acrylates, methacrylates, and vinyl monomers using high performance liquid chromatography (HPLC). Fujisawa S, et al. **J Biomed Mater Res** 1981 Nov;15(6):787–93

[Automatic processing of data on environmental vinyl chloride monomer obtained by automatic gas chromatography] De Lorenzo R. **Ann Ist Super Sanita** 1981;17(3):515–20 **(Ita)**

[Vinyl chloride monomer in the air of offices from operation of a mimeograph of spark discharge recording paper type (author's transl)] Kasuya M, et al. **Sangyo Igaku** 1981 May; 23(3):308–9 **(Jpn)**

[Gas chromatographic determination of vinyl chloride in the atmosphere] Il'icheva GV, et al. **Gig Sanit** 1981 Jul;(7):52–4 **(Rus)**

METABOLISM

Covalent binding of haloethylenes. Bolt HM, et al. **Adv Exp Med Biol** 1981;136 Pt A:667–83

Metabolism of vinyl halides: in vitro studies on roles of potential activated metabolites. Guengerich FP. **Adv Exp Med Biol** 1981;136 Pt A:685–92

Reactions of vinyl chloride with RNA and DNA of various mouse tissues in vivo. Bergman K. **Arch Toxicol** 1982 Jan; 49(2):117–29

Inhalation pharmacokinetics based on gas uptake studies. III. A pharmacokinetic assessment in man of 'peak concentrations' of vinyl chloride. Bolt HM, et al. **Arch Toxicol** 1981 Nov;48(4):213–28

Chromatographic determination of thiodiglycolic acid – a metabolite of vinyl chloride. Dramiński W, et al. **Arch Toxicol** 1981 Nov;48(4):289–92

Roles of 2–haloethylene oxides and 2–haloacetaldehydes derived from vinyl bromide and vinyl chloride in irreversible binding to protein and DNA. Guengerich FP, et al. **Cancer Res** 1981 Nov;41(11 Pt 1):4391–8

DNA alkylation by vinyl chloride metabolites: etheno derivatives or 7–alkylation of guanine? Laib RJ, et al. **Chem Biol Interact** 1981 Oct;37(1–2):219–31

Prenatal susceptibility to carcinogenesis by xenobiotic substances including vinyl chloride. Rice JM. **Environ Health Perspect** 1981 Oct;41:179–88

PHARMACODYNAMICS

Antimicrobial characteristic of insoluble alkylpyridinium iodide. Nakagawa Y, et al. **Appl Environ Microbiol** 1982 May;43(5):1041–50

Destruction of cytochrome P–450 by vinyl fluoride, fluroxene, and acetylene. Evidence for a radical intermediate in olefin oxidation. Ortiz de Montellano PR, et al. **Biochemistry** 1982 Mar 16;21(6):1331–9

Chromosomal analysis in vinyl chloride exposed workers: comparison of the standard technique with the sister–chromatid exchange technique. Anderson D, et al. **Mutat Res** 1981 Aug;83(1):137–44

International Commission for Protection against Environmental Mutagens and Carcinogens. ICPEMC working paper TG1/2/79. Mutagenicity and teratogenicity of vinyl chloride monomer (VCM): epidemiological evidence. Clemmesen J. **Mutat Res** 1982 Jan;98(1):97–100 (8 ref.)

POISONING

Power considerations in epidemiologic studies of vinyl chloride workers. Beaumont JJ, et al. **Am J Epidemiol** 1981 Nov;114(5):725–34 (16 ref.)

[Biochemical changes in vinyl chloride poisoning. I. Effect of different conditions of vinyl chloride exposure on lipid metabolism in rats] Wrońska–Nofer T, et al. **Med Pr** 1981; 32(4):247–53 (Eng. Abstr.) **(Pol)**

TOXICITY

On the acute hepatotoxicity of inhaled vinyl chloride. Tátrai E, et al. **Acta Morphol Acad Sci Hung** 1981;29(2–3):221–6

Formation of pre–neoplastic hepatocellular foci by vinyl fluoride in newborn rats. Bolt HM, et al. **Arch Toxicol** 1981 Mar;47(1):71–3

Mechanisms of vinyl chloride carcinogenicity/mutagenicity [letter] Hathaway DE. **Br J Cancer** 1981 Oct;44(4):597–600

Review of experimental carcinogenesis by compounds related to vinyl chloride. Chu KC, et al. **Environ Health Perspect** 1981 Oct;41:211–20

Mutagenicity studies of vinyl chloride. Fabricant JD, et al. **Environ Health Perspect** 1981 Oct;41:189–93

Effects of aging on the induction of angiosarcoma. Groth DH, et al. **Environ Health Perspect** 1981 Oct;41:53–7

Cancer induction following single and multiple exposures to a constant amount of vinyl chloride monomer. Hehir RM, et al. **Environ Health Perspect** 1981 Oct;41:63–72

Vinyl chloride: inhalation teratology study in mice, rats and rabbits. John JA, et al. **Environ Health Perspect** 1981 Oct; 41:171–7

Carcinogenicity bioassays of vinyl chloride monomer: a model of risk assessment on an experimental basis. Maltoni C, et al. **Environ Health Perspect** 1981 Oct;41:3–29

Effect of ethanol on vinyl chloride carcinogenesis. Radike MJ, et al. **Environ Health Perspect** 1981 Oct;41:59–62
Neoplastic and nonneoplastic effects of vinyl chloride in mouse lung. Suzuki Y. **Environ Health Perspect** 1981 Oct; 41:31–52
Mutagenicity of vinyl compounds in Salmonella typhimurium. Lijinsky W, et al. **Teratogenesis Carcinog Mutagen** 1980;1(3):259–67
The effect of repeated vinyl chloride exposure on rat hepatic metabolizing enzymes. Du JT, et al. **Toxicol Appl Pharmacol** 1982 Jan;62(1):1–10
Metabolic activation and mutagenicity of 4 vinylic monomers (vinyl chloride, styrene, acrylonitrile, butadiene). Duverger M, et al. **Toxicol Eur Res** 1981 May;3(3):131–40 (130 ref.)
Vinyl chloride and acrylonitrile: activation mechanism and mutagenicity. Duverger-Van Bogaert M, et al. **Toxicol Eur Res** 1982 Jan;4(1):35–7
[Lymphocyte chromosome aberrations in subjects chronically exposed occupationally to vinyl chloride monomer] Brandi G, et al. **Ann Ist Super Sanita** 1981; 17(3):607–12 **(Ita)**
[Toxicity of vinyl chloride and formaldehyde mixture in the air] Chyba A. **Rocz Panstw Zakl Hig** 1981;32(1):23–7 (Eng. Abstr.) **(Pol)**
[Toxicity of a vinyl chloride and phenol mixture in the air] Chyba A. **Rocz Panstw Zakl Hig** 1981;32(4):357–61 (Eng. Abstr.) **(Pol)**
[Late sequelae of vinyl chloride action on embryogenesis] Sal'nikova LS, et al. **Gig Tr Prof Zabol** 1981;(12):56 **(Rus)**

URINE

[Gas chromatographic determination of urinary metabolites of chloroethylene derivatives] Vivoli G, et al. **Ann Ist Super Sanita** 1981;17(3):621–6 **(Ita)**

VIOLENCE

see related
RIOTS

The risk of assaultive behavior in suicidal patients. Tardiff K. **Acta Psychiatr Scand** 1981 Oct;64(4):295–300
Feelings of powerlessness and the role of violent actions in adolescents. Berkovitz IH. **Adolesc Psychiatry** 1981; 9:477–92
The violent girl. Burquest B. **Adolescence** 1981 Winter; 16(64):749–64
The demography and health consequences of violence in an emergency room setting. Nighswander TS. **Alaska Med** 1982 Jan–Feb;24(1):7–10
Propranolol, rage, and mania [letter] Emrich HM. **Am J Psychiatry** 1981 Dec;138(12):1639
Violent and suicidal behavior in psychotic adolescents. Inamdar SC, et al. **Am J Psychiatry** 1982 Jul;139(7):932–5
Psychomotor epilepsy and violence in a group of incarcerated adolescent boys. Lewis DO, et al. **Am J Psychiatry** 1982 Jul;139(7):882–7
Forced silence: a neglected dimension of trauma. Lister ED. **Am J Psychiatry** 1982 Jul;139(7):872–6
Case detection of abused elderly parents. Rathbone-McCuan E, et al. **Am J Psychiatry** 1982 Feb;139(2):189–92
Assaultive behavior among chronic inpatients. Tardiff K, et al. **Am J Psychiatry** 1982 Feb;139(2):212–5
Short-term civil commitment and the violent patient. Yesavage JA, et al. **Am J Psychiatry** 1982 Sep; 139(9):1145–9
Survey of threats and assaults directed toward psychotherapists. Bernstein HA. **Am J Psychother** 1981 Oct;35(4):542–9
Parent–child interaction, television violence, and aggression of children. Eron LD. **Am Psychol** 1982 Feb;37(2):197–211
Plastic surgery and civilian casualties due to 'terrorist' activities. Golan J, et al. **Ann Plast Surg** 1982 May; 8(5):359–62
Battery incidents and batterers in a maximum security hospital. Dietz PE, et al. **Arch Gen Psychiatry** 1982 Jan; 39(1):31–4
Isolated violence to the loved one. Bursten B. **Bull Am Acad Psychiatry Law** 1981;9(2):116–27
Alcoholism and violence. Coid J. **Drug Alcohol Depend** 1982 Feb;9(1):1–13 (76 ref.)
The battered elderly. Champlin L. **Geriatrics** 1982 Jul; 37(7):115–6, 121
What is the role of violence in the therapeutic community? Stine LJ, et al. **Int J Addict** 1982 Feb;17(2):377–92 (55 ref.)
A critique of the mental disorder perspective of political terrorism. Corrado RR. **Int J Law Psychiatry** 1981; 4(3–4):293–309
Threats or blows? Observations on the distinction between assault and battery. Dietz PE. **Int J Law Psychiatry** 1981; 4(3–4):401–16
Components of dangerousness: legal standard in civil commitment. Hiday VA, et al. **Int J Law Psychiatry** 1980; 3(4):405–19
Assessment and training of social competence in dangerous psychiatric patients. Rice ME, et al. **Int J Law Psychiatry** 1980;3(4):371–90
Self-destructiveness among the young: an epidemiological study of violent deaths. Holinger PC. **Int J Soc Psychiatry** 1981 Winter;27(4):277–82
Prediction of violent versus nonviolent recidivism from prior violent and nonviolent criminality. Holland TR, et al. **J Abnorm Psychol** 1982 Jun;91(3):178–82
Teenage experiences in a violent society. McLachlan P. **J Adolesc** 1981 Dec;4(4):285–94
Assessment and treatment of family violence. Kirkland K. **J Fam Pract** 1982 Apr;14(4):713–8
Critically reassessing the accuracy of public perceptions of the dangerousness of the mentally ill. Steadman HJ. **J Health Soc Behav** 1981 Sep;22(3):310–6
Security procedures in a psychiatric emergency service. Bell CC, et al. **J Natl Med Assoc** 1981 Sep;73(9):835–42
Victim reactions in aggressive erotic films as a factor in violence against women. Donnerstein E, et al. **J Pers Soc Psychol** 1981 Oct;41(4):710–24
Images of violence in Thematic Apperception Test stories. Pollak S, et al. **J Pers Soc Psychol** 1982 Jan;42(1):159–67
Drugs and criminal assaults by adolescents: a replication study. Tinklenberg JR, et al. **J Psychoactive Drugs** 1981 Jul–Sep;13(3):277–87
Effects of mode of harming and severity of harm on perceived aggressiveness. Holm O, et al. **J Soc Psychol** 1982 Feb;116(First Half):149–50
Adolescent perspectives on family violence. Schumm WR, et al. **J Soc Psychol** 1982 Jun;117(First Half):153–4
The terrorist bomb explosion in Bologna, Italy, 1980: an analysis of the effects and injuries sustained. Brismar B, et al. **J Trauma** 1982 Mar;22(3):216–20
Duty to warn third parties. Cooper AE. **JAMA** 1982 Jul 23;248(4):431–2
Abuse of the elderly [letter] Lynn J. **JAMA** 1981 Oct 16; 246(16):1772
Violence in geriatric patients. Petrie WM, et al. **JAMA** 1982 Jul 23;248(4):443–4
Violence in geriatric patients [editorial] Tardiff K. **JAMA** 1982 Jul 23;248(4):471
Epilepsy and violence [editorial] **Lancet** 1981 Oct 31; 2(8253):966–7
Dangerousness [editorial] **Lancet** 1982 Jun 12;1(8285):1341
Epilepsy and violence [letter] Brewer C, et al. **Lancet** 1981 Dec 12;2(8259):1351
The dangerous alcoholic [letter] Brewer C, et al. **Lancet** 1982 Jul 31;2(8292):271
Profile of a battered fetus [letter] Morey MA, et al. **Lancet** 1981 Dec 5;2(8258):1294–5
Psychiatric assessment of the dangerous offender in the Netherlands. Strachan JG. **Med Sci Law** 1982 Jan; 22(1):16–20
A device for reducing object destruction among institutionalized mentally retarded persons. Marks HE, et al. **Ment Retard** 1981 Aug;19(4):181–2
Violence and epilepsy [letter] **N Engl J Med** 1982 Feb 4; 306(5):298–300
Temporal lobe epilepsy and violence [letter] Pincus JH. **Neurology (NY)** 1982 May;32(5):574–5
Evidence for abnormal glucose tolerance test among violent offenders. Virkkunen M, et al. **Neuropsychobiology** 1982 Jan–Feb;8(1):30–4
Reactive hypoglycemic tendency among habitually violent offenders. A further study by means of the glucose tolerance test. Virkkunen M. **Neuropsychobiology** 1982 Jan–Feb;8(1):35–40
Managing the violent patient in the general hospital. Atkinson JH Jr. **Postgrad Med** 1982 Jan;71(1):193–7, 200–1
Family violence: aids to recognition. Viken RM. **Postgrad Med** 1982 May;71(5):115–22
Violence: a neurological overview. Elliott FA. **Practitioner** 1982 Feb;226(1364):301–4
Alcohol, aggression and violence. Marjot DH. **Practitioner** 1982 Feb;226(1364):287–94
Apostles of violence. O'Ballance E. **Practitioner** 1982 Jan; 226(1363):104–9
Chromosomes and violence. Pitcher DR. **Practitioner** 1982 Mar;226(1365):497–501
Violence: a personal profile. Shaw SH. **Practitioner** 1982 Feb; 226(1364):281–3
Subnormality and violence. Woolf PG. **Practitioner** 1982 Mar;226(1365):503–4
The domestic dimensions of violence. Child abuse. Galdston R. **Psychoanal Study Child** 1981;36:391–414
Ethics of prediction of future dangerousness. Hays JR. **Psychol Rep** 1981 Oct;49(2):593–4
TV report affirms violence–aggression link [news] Holden C. **Science** 1982 Jun 18;216(4552):1299
A standardized ratio for measuring the 'suddenness' of events with applications to the four leading causes of violent death and to certain birth defects. Grimson RC. **Soc Biol** 1980 Winter;27(4):286–93
Violent Behavior among hospitalized medical and surgical patients. Ochitill HN, et al. **South Med J** 1982 Feb; 75(2):151–5
Clinical and social aspects of violence. Lion JR. **Trans Stud Coll Physicians Phila** 1982 Mar;4(1):59–73
Eradicating handgun violence [letter] Levin R. **West J Med** 1981 Sep;135(3):243
[Assault on and abuse of women (editorial)] Adserballe H. **Ugeskr Laeger** 1981 Aug 31;143(36):2319–20 **(Dan)**
[Aspects of family violence. An empirical examination] Petri H. **Psyche (Stuttg)** 1981 Oct;35(10):927–62 (Eng. Abstr.) **(Ger)**
[Is violence of psychiatric patients a real danger for 'open door psychiatry'?] Böker w. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(1):93–104 (Eng. Abstr.) **(Ger)**
[Sex and violence in entertainment. A preliminary synthesis] Daglio P. **Minerva Med** 1981 Dec 22;72(51):3547–50 **(Ita)**
[Determination of the hazard status for life and health in certain methods of violent crime] Tomilin VV, et al. **Sud Med Ekspert** 1981 Oct–Dec;24(4):52–3 **(Rus)**
[Characteristics of violent death in Moscow in 1974–1979] Velisheva LS, et al. **Sud Med Ekspert** 1981 Jul–Aug; 24(3):19–22 **(Rus)**
[Clinical criteria for the social dangerousness of schizophrenics (syndromes with a predominance of delusional and hallucinatory disorders)] Shumakov VM, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1218–23 (Eng. Abstr.) **(Rus)**

VIOLOGENS see under **PYRIDINIUM COMPOUNDS**

VIOMYCINS

IMMUNOLOGY

High dimensional structure of the antigen-binding site of anti-viomycin immunoglobulin analyzed by enzyme immunoassay. Kitagawa T, et al. **J Biochem (Tokyo)** 1982 May;91(5):1601–5

PHARMACODYNAMICS

The ototoxic interaction of viomycin, capreomycin and polymyxin B with ethacrynic acid. Davis RR, et al. **Acta Otolaryngol (Stockh)** 1982 Mar–Apr;93(3–4):211–7
Activity of di-beta-lysyl-capreomycin IIA and palmitoyl tuberactinamine N against drug-resistant mutants with altered ribosomes. Yamada T, et al. **Antimicrob Agents Chemother** 1981 Dec;20(6):834–6

THERAPEUTIC USE

[Tuberactinomycin-N (enviomycin-EVM) in the treatment of pulmonary tuberculosis (author's transl)] Ishikawa H, et al. **Kekkaku** 1981 Jul;56(7):369–74 (Eng. Abstr.) **(Jpn)**

VIPER VENOMS

Identification of domains of phosphatidylcholine in human erythrocyte plasma membranes. Differential action of acidic and basic phospholipases A2 from Agkistrodon halys blomhoffii. Shukla SD, et al. **J Biol Chem** 1982 Mar 25; 257(6):2908–11
Low-molecular-weight dextran and puff-adder bites [letter] Brossy JJ, et al. **S Afr Med J** 1982 Sep 4;62(11):349–50
Clinical aspects of bites by viper in Spain. González D. **Toxicon** 1982;20(1):349–53
Envenoming by Cerastes viper – a report of two cases. Zimmerman J, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):702–5
[Palestinian viper bite] Mann G. **Harefuah** 1980 Dec 1; 99(11):352–3 (Eng. Abstr.) **(Heb)**

ADVERSE EFFECTS

Puff adder bite—an unusual cause of bilateral carpal tunnel syndrome. A case report. Schweitzer G, et al. **S Afr Med J** 1981 Oct 31;60(18):714–5

ANALYSIS

Cation binding properties of the multiple subforms of RVV-X, the coagulant protein from Vipera russelli. Amphlett GW, et al. **Biochemistry** 1982 Jan 5;21(1):125–32
A new type of toxin in the venom of snakes of the genus Atractaspis (Atractaspidinae). Kochva E, et al. **Toxicon** 1982;20(3):581–92

DIAGNOSTIC USE

Taipan viper venom and chromogenic substrate (chromozym Th). Prothrombin assay. No sensitivity to coumarin-induced prothrombin. Girolami A, et al. **Folia Haematol (Leipz)** 1981;108(6):822–30
[Evaluation of the possibility of determining the activity of the Willebrand factor using snake venoms from Soviet fauna] Iakunin GA, et al. **Lab Delo** 1981;(12):717–20 (Eng. Abstr.) **(Rus)**

GENETICS

Electrophoretic patterns of the venoms from a litter of Bitis gabonica snakes. Chippaux JP, et al. **Toxicon** 1982; 20(2):521–3

ISOLATION & PURIFICATION

Vipoxin. A protein from Russell's viper venom with high affinity for biogenic amine receptors. Freedman JE, et al. **J Biol Chem** 1981 Dec 25;256(24):13172–9

METABOLISM

Distribution of vipera ammodytes toxic phospholipase A in the cat and its ability to cross the blood–brain barrier. Gubenšek F, et al. **Toxicon** 1982;20(1):191–4
[Properties of phosphodiesterase from Vipera lebetina venom immobilized on Agarose] Zagrebel'nyĭ SN, et al. **Biokhimiia** 1981 Jul;46(7):1277–82 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Hemostatic abnormalities following Echis carinatus (saw-scaled viper) envenomation in the rhesus monkey. Chugh KS, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):1116–20

Effect of Bitis gabonica venom on the action potentials of guinea-pig heart. Preliminary results. Alloatti G, et al. **Boll Soc Ital Biol Sper** 1981 May 30;57(10):1107–13

The effect of the venom of Bitis gabonica on mesenteric and external iliac blood flow. – A preliminary study in the dog. Cerutti G, et al. **Boll Soc Ital Biol Sper** 1981 May 30; 57(10):1114–20

Snake venom proteases that activate blood-coagulation factor V. Kisiel W, et al. **Methods Enzymol** 1981;80 Pt C:275–85

Site of action of caudoxin, a neurotoxic phospholipase A2 from the horned puff adder (Bitis caudalis) venom. Lee CY, et al. **Toxicon** 1982;20(3):637–47

[Coagulant and anticoagulant action of Vipera berus venom on human blood] Bruno C, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1037–41 (Eng. Abstr.) **(Ita)**

[Effects of Vipera berus venom on the activity of some coagulation factors] Bruno C, et al. **Boll Soc Ital Biol Sper** 1981 Sep 30;57(18):1859–61 (Eng. Abstr.) **(Ita)**

[Effects of Bitis gabonica venom on heart dynamics and circulatory resistance in the rabbit] Cevese A. **Boll Soc Ital Biol Sper** 1982 May 15;58(9):520–6 (Eng. Abstr.) **(Ita)**

POISONING

A study of 136 cases of adder bite treated in Swedish hospitals during one year. Persson H, et al. **Acta Med Scand** 1981; 210(6):433–9

Renal ultrastructure in acute tubular necrosis following Russell's viper envenomation. Date A, et al. **J Pathol** 1982 Jul;137(3):225–41

An adder bite with unusual consequences. Gerrard M, et al. **Practitioner** 1982 Mar;226(1365):527–8

[Neurological symptoms caused by viper venom] Soini H, et al. **Duodecim** 1981;97(22):1865–7 **(Fin)**

[Neutralization of local effects of Bothrops asper venom by polyvalent antivenin] Gutiérrez JM, et al. **Toxicon** 1981; 19(4):493–500 (Eng. Abstr.) **(Spa)**

TOXICITY

Effect of Russell's venom on lipid peroxidation in organs of the mouse. Ali SF, et al. **Toxicon** 1981;19(6):903–5

Thrombin-like and fibrinolytic enzymes in the venoms from the Gaboon viper (Bitis gabonica), eastern cottonmouth moccasin (Agkistrodon p. piscivorus) and southern copperhead (Agkistrodon c. contortrix) snakes. Bajwa SS, et al. **Toxicon** 1982;20(2):427–32

Isolation of a hemorrhagic principle from Bitis arietans (puff adder) snake venom. Mebs D, et al. **Toxicon** 1982; 20(2):509–12

Effect of the venom of the snake Cerastes cerastes (African desert horned viper) on the response of the rat vas deferens to field stimulation. Tilmisany AK, et al. **Toxicon** 1982; 20(2):505–8

VIPRYNIUM see **PYRVINIUM COMPOUNDS**

VIQUIDIL see under **QUINOLINES**

VIRAL ANTIBODIES see **ANTIBODIES, VIRAL**

VIRAL ANTIGENS see **ANTIGENS, VIRAL**

VIRAL GENES see **GENES, VIRAL**

VIRAL GENOMES see **GENES, VIRAL**

VIRAL INTERFERENCE

Interferon induction by influenza virus: significance of neuraminidase. Chomik M. **Arch Immunol Ther Exp (Warsz)** 1981;29(1):109–4

Intrinsic interference between swine influenza and fowl plague virus. Rott R, et al. **Arch Virol** 1981;69(1):25–32

Origin and replication of defective interfering particles. Perrault J. **Curr Top Microbiol Immunol** 1981;93:151–207 (303 ref.)

Defective parvoviruses acquired via the transplacental route protect mice against lethal adenovirus infection. Lipps BV, et al. **Infect Immun** 1982 Jul;37(1):200–4

Conditions required for induction of interferon by rotaviruses and for their sensitivity to its action. McKimm-Breschkin JL, et al. **Infect Immun** 1982 Jun;36(3):857–63

Inhibition of the release of virion-associated murine leukemia virus genomic RNA by vesicular stomatitis virus. Chan JC, et al. **Intervirology** 1981;16(3):191–200

Assay of defective-interfering semliki forest virus by the inhibition of synthesis of virus-specified RNAs. Barrett AD, et al. **J Gen Virol** 1981 Jun;54(Pt 2):273–80

Defective interfering particles of fixed rabies viruses: lack of correlation with attenuation or auto-interference in mice. Clark HF, et al. **J Gen Virol** 1981 Feb;52(Pt 2):245–58

Chronic production of defective-interfering particles by hamster embryo cultures of herpesvirus persistently infected and oncogenically transformed cells. Dauenhauer SA, et al. **J Gen Virol** 1982 May;60(Pt 1):1–14

Demonstration of interference between dengue virus types in cultured mosquito cells using monoclonal antibody probes. Dittmar D, et al. **J Gen Virol** 1982 Apr;59(Pt 2):273–82

Persistent infection with infectious pancreatic necrosis virus mediated by defective-interfering (DI) virus particles in a cell line showing strong interference but little DI replication. Kennedy JC, et al. **J Gen Virol** 1982 Feb;58(Pt 2):361–71

Ultraviolet-irradiated vesicular stomatitis virus and defective-interfering particles are similar non-specific inhibitors of virus infection. Miller DK, et al. **J Gen Virol** 1982 Jun;60(Pt 2):327–33

Biochemical composition of lymphocytic choriomeningitis virus interfering particles. Peralta LM, et al. **J Gen Virol** 1981 Aug;55(Pt 2):475–9

Interference between virulent and avirulent strains of Sendai virus. Sugita K. **J Gen Virol** 1981 Jul;55(Pt 1):95–107

An interference phenomenon associated with a measles virus SSPE isolate (Halle). Tsang LW, et al. **J Gen Virol** 1981 Sep;56(Pt 1):195–8

The effect of defective-interfering Semliki Forest virus on the histopathology of infection with virulent Semliki Forest virus in mice. Crouch CF, et al. **J Infect Dis** 1982 Sep; 146(3):411–6

Effect of anti-interferon serum on Friend virus infection and Fv-1-mediated resistance. Blank KJ, et al. **J Interferon Res** 1981;1(3):437–42

Selection and characterization of virus-resistant L cell mutants with changed interferon gene expression. Yun-Te H, et al. **J Interferon Res** 1981;1(4):551–8

Effect of interferon on multiplication of avian sarcoma virus B77 in duck embryo fibroblasts. Ziegler RE, et al. **J Interferon Res** 1981;1(4):521–38

In vitro and in vivo inhibition of primary transcription of vesicular stomatitis virus by a defective interfering particle. Bay PH, et al. **J Virol** 1982 Jan;41(1):172–82

Gene responsible for superinfection exclusion of heteroimmune corynebacteriophage. Groman N, et al. **J Virol** 1982 Apr;42(1):49–54

RNA polymerase-associated interactions near template promoter sequences of defective interfering particles of vesicular stomatitis virus. Isaac CL, et al. **J Virol** 1982 Jul; 43(1):241–9

Suppression of vesicular stomatitis virus defective intefering particle generation by a function(s) associated with human chromosome 16. Kang CY, et al. **J Virol** 1981 Dec; 40(3):946–52

Interference among defective interfering particles of vesicular stomatitis virus. Rao DD, et al. **J Virol** 1982 Jan; 41(1):210–21

Host Susceptibility to endogenous viruses: defective, glycoprotein-expressing proviruses interfere with infections. Robinson HL, et al. **J Virol** 1981 Dec; 40(3):745–51

Interference between outbreaks of respiratory syncytial virus and influenza virus infection [letter] Anestad G. **Lancet** 1982 Feb 27;1(8270):502

A proteinless mutant of tobacco mosaic virus: evidence against the role of a viral coat protein for interference. Sarkar S, et al. **MGG** 1981;184(1):158–9

18S defective interfering RNA of Semliki Forest virus contains a triplicated linear repeat. Lehtovaara P, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5353–7

Sendai virus DI RNA species with conserved virus genome termini and extensive internal deletions. Amesse LS, et al. **Virology** 1982 Apr 15;118(1):17–27

Expression of cell surface Friend virus gp70 does not block reinfection by ecotropic murine leukemia viruses. Chesebro B, et al. **Virology** 1981 Nov;115(1):125–9

Superimmunity: characterization of a new gene in the immunity region of P1. Devlin BH, et al. **Virology** 1982 Jul 30;120(2):360–75

Viral interference of HSV-1: properties of the intracellular viral progeny DNA. Kümel G, et al. **Virology** 1982 Jul 15;120(1):205–14

Interference grouping of murine leukemia viruses: a distinct receptor for the MCF-recombinant viruses in mouse cells. Rein A. **Virology** 1982 Jul 15;120(1):251–7

Three phage-coded functions involved in the expression of bacteriophage Mu immunity. Schumann W, et al. **Virology** 1982 Feb;117(1):1–10

Genetic analysis of prophage effects on heteroimmune superinfection in Serratia marcescens. Steiger H. **Z Allg Mikrobiol** 1981;21(4):333–42

[Bacillus thuringiensis bacteriophage interference] Azizbekian RR. **Genetika (Moskva)** 1981;17(10):1745–52 (Eng. Abstr.) **(Rus)**

[Defective interfering viral particles] Kantorovich-Prokudina EN, et al. **Usp Sovrem Biol** 1982 May-Jun;93(3):338–51 (133 ref.) **(Rus)**

DRUG EFFECTS

Inhibitors of glycosylation reverse retroviral interference. Rein A, et al. **Virology** 1982 May;119(1):185–92

VIRAL PROTEINS

Mutual orientation of adenovirus hexon polypeptides in a two-dimensional crystalline array. Adám E, et al. **Acta Microbiol Acad Sci Hung** 1981;28(3):219–28

Primary structure of the southern bean mosaic virus coat protein: first results. Dietrich JB, et al. **Arch Biochem Biophys** 1981 Sep;210(2):794–6

The fibers of fowl adenoviruses. Gelderblom H, et al. **Arch Virol** 1982;72(4):289–98

Uncoating-like modification of poliovirus capsid resulting from the cooperative effects of subfreezing temperature and submolar concentrations of urea. Mandel B. **Arch Virol** 1982;71(1):27–42

Amino terminal sequence of the bacteriophage T5-coded gene A2 protein. Fox JW, et al. **Biochem Biophys Res Commun** 1982 May 31;106(2):265–9

Interaction of influenza virus proteins with planar lipid bilayers: a model for virion assembly. Kharitonenkov IG, et al. **Biochem Biophys Res Commun** 1981 Sep 16; 102(1):308–14

Small-angle X-ray and neutron scattering by biological macromolecules. Miller A. **Biochem Soc Trans** 1981 Dec; 9(6):504–6

Double-resonance experiments at 500 MHz on gene-5 protein and its complex with octadeoxyriboadenylic acid. Alma NC, et al. **Biochemistry** 1981 Jul 21;20(15):4419–28

Neutron scattering data on feconstituted complexes of fd deoxyribonucleic acid and gene 5 protein show that the deoxyribonucleic acid is near the center. Gray DM, et al. **Biochemistry** 1982 May 25;21(11):2702–13

Application of high-field proton magnetic resonance spectroscopy in the structural determination of membrane-derived Sindbis virus glycopeptides. Hakimi J, et al. **Biochemistry** 1981 Dec 8;20(25):7314–9

Tobacco mosaic virus protein induces fusion of liposome membranes. Banerjee S, et al. **Biochim Biophys Acta** 1981 Aug 20;646(2):360–4

Lateral diffusion of gramicidin S, M-13 coat protein and glycophorin in bilayers of saturated phospholipids. Mean field and Monte Carlo studies. Pink DA, et al. **Biochim Biophys Acta** 1982 Apr 23;687(1):42–56

The interaction of the A and A* proteins of bacteriophage phi X174 with single-stranded and double-stranded phi X DNA in vitro. van der Ende A, et al. **Eur J Biochem** 1982 May 17;124(2):245–52

Proteolytic processing of avian and simian sarcoma and leukemia viral proteins. Konze-Thomas B, et al. **Hamatol Bluttransfus** 1981;26:409–13

Circular dichroism studies of papaya mosaic virus coat protein and its polymers. Erickson JW, et al. **J Mol Biol** 1981 Apr 5;147(2):337–49

Crystallization of alfalfa mosaic virus coat protein as a T = 1 aggregate. Fukuyama K, et al. **J Mol Biol** 1981 Jul 25;150(1):33–41

A duplex structure involving two non-complementary DNA strands can be formed and stabilized by M13 phage proteins. Griffith JD, et al. **J Mol Biol** 1982 May 15; 157(2):321–30

Structure and function of the major tail protein of bacteriophage lambda. Mutants having small major tail protein molecules in their virion. Katsura I. **J Mol Biol** 1981 Mar 15;146(4):493–512

Structures of the helical aggregates of tobacco mosaic virus protein. Mandelkow E, et al. **J Mol Biol** 1981 Oct 25; 152(2):375–86

Coronavirus glycoprotein E1, a new type of viral glycoprotein. Niemann H, et al. **J Mol Biol** 1981 Dec 25; 153(4):993–1010

Association of sindbis virion glycoproteins and their precursors. Rice CM, et al. **J Mol Biol** 1982 Jan 15; 154(2):325–48

Isolation and characterization of the hydrophobic COOH-terminal domains of the sindbis virion glycoproteins. Rice CM, et al. **J Mol Biol** 1982 Jan 15; 154(2):355–78

A proposed structure of the prolate phage T4 prehead core. An electron microscopic study. Engel A, et al. **J Ultrastruct Res** 1982 Jul;80(1):12–22

The symmetry of the reovirus outer shell. Metcalf P. **J Ultrastruct Res** 1982 Mar;78(3):292–301

Evidence for an interaction between the membrane protein of a paramyxovirus and actin. Giuffre RM, et al. **J Virol** 1982 Jun;42(3):963–8

Charge microheterogeneity of the major capsid protein of polyoma virus. Hare JD, et al. **J Virol** 1982 Aug; 43(2):456–64

Differences between poliovirus empty capsids formed in vivo and those formed in vitro: a role for the morphopoietic factor. Putnak JR, et al. **J Virol** 1981 Oct;40(1):173–83

Homology between the glycoproteins of vesicular stomatitis virus and rabies virus. Rose JK, et al. **J Virol** 1982 Jul; 43(1):361–4

Preparation of subviral particles from vaccinia virions irradiated with ultraviolet light. Soloski M, et al. **J Virol Methods** 1980;1(4):185–95

Polyoma virus capsid structure at 22.5 A resolution. Rayment I, et al. **Nature** 1982 Jan 14;295(5845):110–5

Enzymatic properties of the bacteriophage phi X174 A protein on superhelical phi X174 DNA: a model for the termination of the rolling circle DNA replication. van der Ende A, et al. **Nucleic Acids Res** 1981 May 11;9(9):2037–53

Viral src gene products are related to the catalytic chain of mammalian cAMP-dependent protein kinase. Barker WC, et al. **Proc Natl Acad Sci USA** 1982 May;79(9):2836–9

Spikes and fimbriae: alpha-helical proteins form surface

projections on microorganisms. Cohen C, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5303–4
Protein dynamics by solid-state NMR: aromatic rings of the coat protein in fd bacteriophage. Gall CM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(1):101–5
Analysis of the sequence of amino acids surrounding sites of tyrosine phosphorylation. Patschinsky T, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):973–7
NMR studies of filamentous bacteriophage assembly. Cross TA, et al. **Prog Clin Biol Res** 1981;64:457–65
The quaternary structure of the T4 gene product 20 oligomer. Driedonks RA. **Prog Clin Biol Res** 1981;64:315–23
Lipid-tail group dependent structure of the fd gene 8 protein. Fodor SP, et al. **Prog Clin Biol Res** 1981;64:441–55
Molecular organization of virus particles: implications for assembly. Harrison SC. **Prog Clin Biol Res** 1981;64:3–18
Composition of the T4D bacteriophage baseplate and the binding of the central tail plug. Kozloff LM. **Prog Clin Biol Res** 1981;64:327–42
Structural transitions in bacteriophages Pf3 and Xf. Thomas GJ Jr, et al. **Prog Clin Biol Res** 1981;64:429–40
Structural proteins of coliphage P1. Walker JT, et al. **Prog Clin Biol Res** 1981;64:69–77
Three-dimensional structure of proteins determined by electron microscopy. Aebi U, et al. **Ultramicroscopy** 1982; 8(1–2):191–206 (70 ref.)
Inter- and intrahexonal connections between adenovirus hexon polypeptides in the two-dimensional crystalline array. Adám E, et al. **Virology** 1981 Oct 15;114(1):265–7
Lipid-protein interactions between the surface glycoprotein of vesicular stomatitis virus and the lipid bilayer. Altstiel LD, et al. **Virology** 1981 Nov;115(1):1–9
The core of murine leukemia virus requires phosphate for structural stability. Durbin RK, et al. **Virology** 1982 Jan 15;116(1):31–9
the relationship of conformational changes in the Sendai virus nucleocapsid to proteolytic cleavage of the NP polypeptide. Heggeness MH, et al. **Virology** 1981 Oct 30; 114(2):555–62
The protease inhibitor TLCK alters the apparent molecular weights of some measles virus proteins by a mechanism unrelated to inhibition of proteolytic cleavage. Wechsler SL, et al. **Virology** 1982 Aug;121(1):204–8

ANALYSIS

Mutual orientation of adenovirus hexon polypeptides in a two-dimensional crystalline array. Adám E, et al. **Acta Med Acad Sci Hung** 1981;38(3):219–28
Cytochemical characterization of hepatitis B virus infected liver cells in chronic liver diseases. Bencsáth M, et al. **Acta Morphol Acad Sci Hung** 1981;29(2–3):241–50
Comparison of the protein composition of two plaque variants of Sendai virus. Sugita K. **Acta Virol (Praha)** 1981 Sep;25(5):330–3
Structural diversity among retroviral gene products: a molecular approach to the study of biological function through structural variability. Gautsch JW, et al. **Adv Cancer Res** 1981;34:171–209 (136 ref.)
Relatedness of virion and intracellular proteins of the murine coronaviruses JHM and A59. Bond CW, et al. **Adv Exp Med Biol** 1981;142:103–10
The RNA and proteins of human coronaviruses. Hierholzer JC, et al. **Adv Exp Med Biol** 1981;142:43–67
Polypeptide structure of bovine enteritic coronavirus: comparison between a wild strain purified from feces and a HRT 18 cell adapted strain. Laporte J, et al. **Adv Exp Med Biol** 1981;142:181–4
Biochemistry of coronaviruses 1980. Mahy BW. **Adv Exp Med Biol** 1981;142:261–70 (17 ref.)
The structure and behavior of coronavirus A59 glycoproteins. Sturman LS. **Adv Exp Med Biol** 1981; 142:1–17
Serologic and molecular comparisons of several equine herpesvirus type 1 strains. Turtinen LW, et al. **Am J Vet Res** 1981 Dec;42(12):2099–104
Radioimmunolocalization of murine mammary tumor virus proteins in gels. Bausch JN, et al. **Anal Biochem** 1982 Jan 15;119(2):293–8
High-performance gel permeation chromatography of proteins in denaturing solvents and its application to the analysis of enveloped virus polypeptides. Montelaro RC, et al. **Anal Biochem** 1981 Jul 1;114(2):398–406
Electrophoresis in density gradients of metrizamide. Serwer P, et al. **Anal Biochem** 1981 Jul 1;114(2):342–8
Detection and quantitation of Newcastle disease virus proteins in infected chicken embryo cells. Bolen JB, et al. **Appl Environ Microbiol** 1982 Jan;43(1):193–9
Structural characterization of the major internal protein of the SKA 21–3 virus. Brief report. Brouwer J, et al. **Arch Virol** 1981;69(1):85–90
Biological and biochemical investigations on five European isolates of Mamestra brassica nuclear polyhedrosis virus. Brown DA, et al. **Arch Virol** 1981;69(3–4):209–17
Electrophoretic characterization of proteins and RNA of cytoplasmic polyhedrosis virus (CPV) from Euxoa scandens. Grancher-Barray S, et al. **Arch Virol** 1981; 70(1):55–61
Rubella virion polypeptides: characterization by polyacrylamide gel electrophoresis, isoelectric focusing and peptide mapping. Ho-Terry L, et al. **Arch Virol** 1982; 72(1–2):47–54
Differences in the electrophoretic migration rates of polypeptides and RNAs of recent isolates of influenza B viruses. Hugentobler AL, et al. **Arch Virol** 1981; 69(3–4):197–207
Analysis of the TK enzyme complex induced by HSV types 1 and 2 by means of isoelectric focusing and polyacrylamide gel electrophoresis. Labenz J, et al. **Arch Virol** 1982; 71(3):235–49
Five measles virus antigens demonstrated by use of mouse hybridoma antibodies in productively infected tissue culture cells. Norrby E, et al. **Arch Virol** 1982;71(1):1–11
O-glycosidic carbohydrate-peptide linkages of Herpes simplex virus glycoproteins. Olofsson S, et al. **Arch Virol** 1981;70(4):321–9
Type D retroviruses from human cells do not contain a minor glycoprotein shared by old world monkey type D viruses. Wunderlich V, et al. **Arch Virol** 1981;70(1):43–53
Structural polypeptide composition of a murine myeloma (MOPC-315) type C retrovirus. Gazit A, et al. **Biochem Biophys Res Commun** 1981 Jul 16;101(1):7–14
Amino acid sequence of p15 from avian myeloblastosis virus complex. Sauer RT, et al. **Biochemistry** 1981 Jun 23; 20(13):3784–91
Scanning calorimetric investigation of the polymerization of the coat protein of tobacco mosaic virus. Sturtevant JM, et al. **Biochemistry** 1981 Jun 23;20(13):3792–800
The amino acid sequences of eleven tryptic peptides of papaya mosaic virus protein by electron ionization mass spectrometry. Parente A, et al. **Biomed Mass Spectrom** 1982 Apr;9(4):141–5
Structure and architecture of the bacterial virus fd. An infrared linear dichroism study. Fritzsche H, et al. **Biophys Chem** 1981 Nov;14(3):283–91
Magic angle spinning carbon-13 NMR of tobacco mosaic virus. An application of the high-resolution solid-state NMR spectroscopy to very large biological systems. Hemminga MA, et al. **Biophys J** 1981 Aug;35(2):463–70
Assembly of bacteriophage T7. Dimensions of the bacteriophage and its capsids. Stroud RM, et al. **Biophys J** 1981 Dec;36(3):743–57
Comparison of highly basic cyanogen bromide peptides from strains of southern bean mosaic virus. Tremaine JH, et al. **Can J Microbiol** 1981 Jul;27(7):654–63
Expression of type C viral glycoproteins on P815 cells: higher expression of Mr 70,000 glycoprotein-containing glycoprotein on immunogenic variants. Jacquemin PC. **Cancer Res** 1982 Sep;42(9):3828–36
Observations and implications of proteolysis in preparations of foot-and-mouth disease virus. Doel TR, et al. **Dev Biol Stand** 1981;50:261–6
Expression of the murine mammary tumor virus in the milk of F1 hybrids of virus negative mouse strains. Bentvelzen P. **Eur J Cancer Clin Oncol** 1981 Aug;17(8):883–8
Biochemical characterization of murine bone marrow GP71. Rubio N. **FEBS Lett** 1981 Nov 30;135(1):43–8
Radiation-induced murine leukemias and endogenous retroviruses: the time course of viral expression. Erfle V, et al. **Hamatol Bluttransfus** 1981;26:537–40
ELISA for the detection of antigens cross-reacting with primate C-type viral proteins (p30,gp70) in human leukemic sera. Hehlmann R, et al. **Hamatol Bluttransfus** 1981;26:530–6
Relationship of the feline oncornavirus associated cell membrane antigen to a feline sarcoma virus encoded polyprotein. Snyder HW Jr, et al. **Hamatol Bluttransfus** 1981;26:488–91
Radioimmunoassay for major external glycoprotein of murine mammary tumor virus. Chiplunkar SV, et al. **Indian J Exp Biol** 1982 Feb;20(2):121–5
Detection of an immediate early herpes simplex virus type 1 polypeptide in trigeminal ganglia from latently infected animals. Green MT, et al. **Infect Immun** 1981 Dec; 34(3):987–92
Electron microscopic studies on the arrangements of hexon polypeptides in a two-dimensional crystalline array. Adám E, et al. **Intervirology** 1981;15(1):37–42
Protein composition of the virions of five plant rhabdoviruses. Dale JL, et al. **Intervirology** 1981; 16(2):86–94
Structural proteins and glycoproteins of infectious bronchitis virus particles labeled during growth in chick embryo cells. Wadey CN, et al. **Intervirology** 1981;15(1):19–27
The orientation of the major coat protein of bacteriophage f1 in the cytoplasmic membrane of Escherichia coli. Ohkawa I, et al. **J Biol Chem** 1981 Oct 10;256(19):9951–8
Quantitative analysis of the protein composition of influenza A and B viruses using high resolution SDS polyacrylamide gels. Oxford JS, et al. **J Biol Stand** 1981 Oct;9(4):483–91
Structural characteristics of the short-tail fibers of T4 bacteriophage. Zorzopulos J, et al. **J Cell Biochem** 1982; 18(3):363–75
Virus-specific proteins in adenovirus type 12-transformed and tumour cells as detected by immunoprecipitation. Achten S, et al. **J Gen Virol** 1982 Apr;59(Pt 2):357–66
Comparison of the lipid-containing bacteriophages PRD1, PR3, PR4, PR5 and L17. Bamford DH, et al. **J Gen Virol** 1981 Dec;57(Pt 2):365–73
Comparison of the immediate early polypeptides of human cytomegalovirus isolates. Cameron JM, et al. **J Gen Virol** 1981 Jun;54(Pt 2):421–4
Structural polypeptides of coronavirus IBV. Cavanagh D. **J Gen Virol** 1981 Mar;53(Pt 1):93–103
Ribonucleoprotein of avian infectious bronchitis virus. Davies HA, et al. **J Gen Virol** 1981 Mar;53(Pt 1):67–74
Analysis of proteins induced by the Salmonella typhimurium Phage P221, a hybrid between serologically and morphologically unrelated phages P22 and Fels 1. Droffner ML, et al. **J Gen Virol** 1982 Apr;59(Pt 2):377–85
Host cell-dependent differences in the oligosaccharide moieties of the VSV G protein. Etchison JR, et al. **J Gen Virol** 1981 Nov;57(Pt 1):43–52
Comparison of T antigen-associated host phosphoproteins from SV40-infected and -transformed cells of different species. Fanning E, et al. **J Gen Virol** 1981 Aug;55(Pt 2):367–78
Structural polypeptides of Hazara virus. Foulke RS, et al. **J Gen Virol** 1981 Mar;53(Pt 1):169–72
Comparison of bluetongue type 20 with certain viruses of the bluetongue and Eubenangee serological groups of orbiviruses. Gorman BM, et al. **J Gen Virol** 1981 Dec;57(Pt 2):251–61
Analysis of viral and defective-interfering nucleocapsids in acute and persistent infection by rhabdoviruses. Grabau EA, et al. **J Gen Virol** 1982 May;60(Pt. 1):87–97
High yield growth and purification of human parainfluenza type 3 virus and initial analysis of viral structural proteins. Guskey LE, et al. **J Gen Virol** 1981 May;54(Pt 1):115–23
Homogeneity of the structural glycoprotein from European isolates of tick-borne encephalitis virus: comparison with other flaviviruses. Heinz FX, et al. **J Gen Virol** 1981 Dec; 57(Pt 2):263–74
Purification and characterization of ovine astrovirus. Herring AJ, et al. **J Gen Virol** 1981 Mar;53(Pt 1):47–55
Antigenic and structural conservation of herpesvirus DNA-binding proteins. Littler E, et al. **J Gen Virol** 1981 Oct;56(Pt 2):409–19
Epstein-Barr virus-induced proteins. IV. Characterization of an EBV-associated phosphopolypeptide. Mueller-Lantzsch N, et al. **J Gen Virol** 1981 Aug;55(Pt 2):333–41
A comparison of proteins among various influenza B virus strains by one-dimensional peptide mapping. Nakamura K, et al. **J Gen Virol** 1981 Oct;56(Pt 2):315–23
Composition and topography of structural polypeptides of bovine rotavirus. Novo E, et al. **J Gen Virol** 1981 Oct;56(Pt 2):325–35
Temperature-sensitive HVJ (sendai virus) with altered P polypeptide derived from persistently infected cell lines. Ogura H, et al. **J Gen Virol** 1981 Aug;55(Pt 2):469–73
Intratypic electrophoretic variation of structural and non-structural polypeptides of human influenza A viruses. Oxford JS, et al. **J Gen Virol** 1981 Oct;56(Pt 2):431–6
Biochemical composition of lymphocytic choriomeningitis virus interfering particles. Peralta LM, et al. **J Gen Virol** 1981 Aug;55(Pt 2):475–9
A study of phosphorylation of the measles membrane protein. Rima BK, et al. **J Gen Virol** 1981 Oct;56(Pt 2):447–50
The physicochemical properties of infectious hepatitis A virions. Siegl G, et al. **J Gen Virol** 1981 Dec;57(Pt 2):331–41
Identification of a major non-structural protein in the nuclei of Rift Valley fever virus-infected cells. Struthers JK, et al. **J Gen Virol** 1982 Jun;60(Pt 2):381–4
Structural study of vesicular stomatitis virus G protein in the virion envelope. Taube SE, et al. **J Gen Virol** 1982 Apr;59(Pt 2):319–27
Studies on Proteins of simian sarcoma-associated virus with different growth history. Warnaar SO, et al. **J Gen Virol** 1982 Mar;59(Pt 1):65–71
A rabies virus persistent infection in BHK21 cells. Wild TF, et al. **J Gen Virol** 1981 Nov;57(Pt 1):169–77
Envelope protein of the flavivirus Kunjin is apparently not glycosylated. Wright PJ. **J Gen Virol** 1982 Mar;59(Pt 1):29–38
Experimental subacute sclerosing panencephalitis: selective disappearance of measles virus matrix protein from the Central nervous system. Johnson KP, et al. **J Infect Dis** 1981 Aug;144(2):161–9
Structural polypeptides of molluscum contagiosum virus: their variability in various isolates and location within the virion. Oda H, et al. **J Med Virol** 1982;9(1):19–25
Localization by autoradiography of viral proteins in the parenchymal cells of the liver during frog virus 3 induced hepatitis of mice. Bingen A, et al. **J Submicrosc Cytol** 1982 Jan;14(1):55–62
Capsid structure of satellite phage P4 and its P2 helper. Geisselsoder J, et al. **J Ultrastruct Res** 1982 May; 79(2):165–73
The transforming proteins of PRCII virus and Rous sarcoma virus form a complex with the same two cellular phosphoproteins. Adkins B, et al. **J Virol** 1982 Aug; 43(2):448–55
Processing and amino acid sequence analysis of the mouse mammary tumor virus env gene product. Arthur LO, et al. **J Virol** 1982 Feb;41(2):414–22
Identification of a nonvirion protein of Aleutian disease virus: mink with Aleutian disease have antibody to both virion and nonvirion proteins. Bloom ME, et al. **J Virol** 1982 Aug; 43(2):608–16
Intracellular vesicular stomatitis virus leader RNAs are found in nucleocapsid structures. Blumberg BM, et al. **J Virol** 1981 Nov;40(2):568–76
Localization of the Abelson murine leukemia virus protein in a detergent-insoluble subcellular matrix: architecture of the protein. Boss MA, et al. **J Virol** 1981 Nov;40(2):472–81
Linear mapping of tryptophan residues in Vesiculovirus M

and N proteins by partial chemical cleavage. Brown E, et al. **J Virol** 1982 Apr;42(1):311–6

Herpesvirus sylvilagus I. Polypeptides of virions and nucleocapsids. Cohrs R, et al. **J Virol** 1982 Mar; 41(3):1063–72

Comparisons of rotavirus polypeptides by limited proteolysis: close similarity of certain polypeptides of different strains. Dyall-Smith ML, et al. **J Virol** 1981 Dec;40(3):720–8

Demonstration of avian sarcoma virus-coded pp60src in vivo and the anti-pp60src immune response in chickens. Ellwart-Tschürtz M, et al. **J Virol** 1981 Sep;39(3):950–3

Viral gene products in adenovirus type-2 transformed hamster cells. Esche H. **J Virol** 1982 Mar;41(3):1076–82

Env gene products of AKR dual-tropic viruses: examination of peptide maps and cell surface expression. Famulari NG, et al. **J Virol** 1981 Dec;40(3):971–6

Core particles of hepatitis B virus and ground squirrel hepatitis virus. I. Relationship between hepatitis B core antigen- and ground squirrel hepatitis core antigen-associated polypeptides by sodium dodecyl sulfate-polyacrylamide gel electrophoresis and tryptic peptide mapping. Feitelson MA, et al. **J Virol** 1982 Aug; 43(2):687–96

Monoclonal antibodies to the p21 products of the transforming gene of Harvey murine sarcoma virus and of the cellular ras gene family. Furth ME, et al. **J Virol** 1982 Jul;43(1):294–304

Late nonstructural 100,000- and 33,000-dalton proteins of adenovirus type 2. II. Immunological and protein chemical analysis. Gambke C, et al. **J Virol** 1981 Nov;40(2):594–8

Immunological and chemical identification of intracellular forms of adenovirus type 2 terminal protein. Green M, et al. **J Virol** 1981 Nov;40(2):541–50

NS phosphoprotein of vesicular stomatitis virus: subspecies separated by electrophoresis and isoelectric focusing. Hsu CH, et al. **J Virol** 1982 Apr;42(1):342–5

Rous sarcoma virus glycoproteins contain hybrid-type oligosaccharides. Hunt LA, et al. **J Virol** 1981 Aug; 39(2):646–50

Glycoproteins of murine leukemia viruses. III. Glycosylation of env precursor glycoproteins. Kemp MC, et al. **J Virol** 1981 Aug;39(2):463–70

Structures of the oligosaccharides of the glycoprotein coded by early region E3 of adenovirus 2. Kornfeld R, et al. **J Virol** 1981 Nov;40(2):440–9

Glycoproteins of friend murine leukemia virus: separation and NH2-terminal amino acid sequences of gp69 and gp71. Linder D, et al. **J Virol** 1982 Apr;42(1):352–5

Minor coat protein composition and location of the A protein in bacteriophage f1 spheroids and I-forms. Lopez J, et al. **J Virol** 1982 Jun;42(3):1099–107

Subcellular localization of the env-related glycoproteins in Friend erythroleukemia cells. Lyles DS, et al. **J Virol** 1981 Jul;39(1):263–72

Chemical and Immunological characterization of the major structural protein (p28) of MMC-1, a rhesus monkey endogenous type C virus: homology with the major structural protein of avian reticuloendotheliosis virus. Oroszlan S, et al. **J Virol** 1981 Sep;39(3):845–54

Infectious process of the parvovirus H-1: correlation of protein content, particle density, and viral infectivity. Paradiso PR. **J Virol** 1981 Sep;39(3):800–7

Evidence that there exist four classes of RNA tumor viruses which encode proteins with associated tyrosine protein kinase activities. Patschinsky T, et al. **J Virol** 1981 Jul; 39(1):104–14

Structure and phosphorylation of the Fujinami sarcoma virus gene product. Pawson T, et al. **J Virol** 1981 Dec; 40(3):665–72

Monosaccharide sequence of protein-bound glycans of Uukuniemi virus. Pesonen M, et al. **J Virol** 1982 Feb; 41(2):390–400

Avian acute leukemia virus OK10 has an 8.2-kilobase genome and modified glycoprotein gp 78. Pfeifer S, et al. **J Virol** 1981 Nov;40(2):533–40

Analysis of the DNA-terminal protein from different serotypes of human adenovirus. Rekosh D. **J Virol** 1981 Oct;40(1):329–333

Structural analysis of virion proteins of the avian coronavirus infectious bronchitis virus. Stern DF, et al. **J Virol** 1982 Apr;42(1):208–19

Attachment of avidin-coupled spheres to linear and circular forms of mengovirus double-stranded RNA. Thornton GB, et al. **J Virol** 1981 Jul;39(1):229–37

Peptide mapping of 125I-labelled membrane protein of influenza viruses by reverse-phase high-performance liquid chromatography. Darveau A, et al. **J Virol Methods** 1982 Mar;4(2):77–85

Immunoelectron microscopic study of the detection of the glycoproteins of influenza and Sendai viruses in infected cells by the immunoperoxidase method. Kohama MT, et al. **J Virol Methods** 1981 Dec;3(5):293–301

Analysis of structural proteins of measles, canine distemper, and rinderpest viruses. Sato TA, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):355–64

Failure to detect measles virus proteins in brain tissue of patients with multiple sclerosis [letter] Hall WW, et al. **Lancet** 1982 Apr 24;1(8278):957

Analysis of viral RNA and proteins expressed by a non producer Friend erythroleukemia cell line (HFL/b cell line). Mathieu-Mahul D, et al. **Leuk Res** 1981; 5(4–5):399–411

Typing of herpes simplex virus strains by analysis of the early proteins. Wolff MH, et al. **Med Microbiol Immunol (Berl)** 1982;170(4):241–6

Electrochemical modification of vesicular stomatitis virus glycoprotein by host cell transformation. Miki T. **Microbiol Immunol** 1981;25(6):585–94

Glycoprotein of hepatitis B surface antigen (HBsAg) produced by PLC/PRF/5 hepatoma cells. Nakagomi O, et al. **Microbiol Immunol** 1981;25(6):617–21

Structural proteins of poliovirus type 2 isolates. Yoneyama T, et al. **Microbiol Immunol** 1981;25(6):575–83

Protein and RNA composition of a mild (W) and a severe (P6) strain of cucumber mosaic virus. Roberts PL, et al. **Microbios** 1981;32(127):37–45

Antibodies in human sera reactive against an internal structural protein of human T-cell lymphoma virus. Kalyanaraman VS, et al. **Nature** 1981 Nov 19; 294(5838):271–3

Human cells contain two forms of pp60c-src. Shealy DJ, et al. **Nature** 1981 Oct 22;293(5834):666–9

Organization of proviral DNA and protein composition of hormonally stimulated C57Bl/10 strain-associated mouse mammary tumor virus. Svec J, et al. **Neoplasma** 1981; 28(6):647–59

Expression of endogenous retroviral glycoprotein 70 by antigen-activated cytotoxic and suppressor T lymphocytes of mice. Klenner D, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1250–3

Herpesvirus-specific RNA and protein in carcinoma of the uterine cervix. McDougall JK, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3853–7

Primary structure analysis of the major internal protein p24 of human type C T-cell leukemia virus. Oroszlan S, et al. **Proc Natl Acad Sci USA** 1982 Feb;79(4):1291–4

Detection of viral capsid-DNA complexes. Serwer P, et al. **Prog Clin Biol Res** 1981;64:231–8

Novel proteinaceous infectious particles cause scrapie. Prusiner SB. **Science** 1982 Apr 9;216(4542):136–44

Characterization of avian erythroblastosis virus p75. Anderson SM, et al. **Virology** 1982 Aug;121(1):32–50

The N-terminus of PE2 in Sindbis virus-infected cells. Bell JR, et al. **Virology** 1982 Jun;119(2):255–67

Influenza A virus evolution: complete sequences of influenza A/NT/60/68 RNA segment 3 and its predicted acidic P polypeptide compared with those of influenza A/PR/8/34. Bishop DH, et al. **Virology** 1982 Jul 30;120(2):487–9

Characteristics of avian sarcoma virus strain PRCIV and comparison with strain PRCII-p. Breitman ML, et al. **Virology** 1981 Oct 30;114(2):451–62

Novel localization of pp60src in Rous sarcoma virus-transformed rat and goat cells and in chicken cells transformed by viruses rescued from these mammalian cells. Garber EA, et al. **Virology** 1982 Apr 30;118(2):419–29

Topography of phosphate residues in Sendai virus proteins. Hsu CH, et al. **Virology** 1982 Jul 15;120(1):225–34

Endogenous murine leukemia virus-encoded proteins in radiation leukemias of BALB/c mice. Tress E, et al. **Virology** 1982 Feb;117(1):207–18

Analysis of Yaba tumor poxvirus-induced proteins in infected cells by two-dimensional gel electrophoresis. Vafai A, et al. **Virology** 1982 Jul 15;120(1):65–76

Molecular-biological characterization of Marek's disease virus. I. Identification of virus-specific polypeptides in infected cells. Van Zaane D, et al. **Virology** 1982 Aug; 121(1):116–32

Molecular-biological characterization of Marek's disease virus. II. Differentiation of various MDV and HVT strains. Van Zaane D, et al. **Virology** 1982 Aug;121(1):133–46

Structural differences between hexons from adenovirus types 2 and 5: correlation with differences in size and immunological properties. von Bahr-Lindström H, et al. **Virology** 1982 Apr 30;118(2):353–62

Partial analysis of the polypeptide composition of a porcine lymphoma C-type particle (PLCP). Busse C, et al. **Zentralbl Veterinarmed [B]** 1981;28(2):118–25

[Cellular substrate for the src gene product (author's transl)] Kobayashi N. **Tanpakushitsu Kakusan Koso** 1981 Aug; 26(10):1537–53 (118 ref.) **(Jpn)**

[Characteristics of influenza virus proteins in persistent infection] Frolov AF, et al. **Mikrobiol Zh** 1981 Sep-Oct; 43(5):666–7 **(Rus)**

[Localization of hexone-encoding gene in the genomes of simian adenoviruses] Vilnis AE, et al. **Vestn Akad Med Nauk SSSR** 1981;(9):88–94 (Eng. Abstr.) **(Rus)**

[Effect of formaldehyde on the ribonucleoprotein structure of Sendai virus] Busse TL, et al. **Vopr Virusol** 1982 Jan-Feb; (1):75–80 (Eng. Abstr.) **(Rus)**

[Morphological and structural studies of Sendai virus ribonucleoprotein] Busse TL, et al. **Vopr Virusol** 1982 Jan-Feb;(1):69–74 (Eng. Abstr.) **(Rus)**

[Abortive influenza virus infection of Ehrlich cells. Virion and subcellular fraction proteins] Isaeva KhA, et al. **Vopr Virusol** 1982 Mar-Apr;27(2):146–54 (Eng. Abstr.) **(Rus)**

[Effect of the inter- and intramolecular disulfide bonds on the electrophoretic properties of influenza virus proteins] Selimova LM, et al. **Vopr Virusol** 1981 May-Jun;(3):358–65 (Eng. Abstr.) **(Rus)**

[Protein variability of influenza A viruses] Sokolov BP, et al. **Vopr Virusol** 1981 Jul-Aug;(4):471–7 (Eng. Abstr.) **(Rus)**

[Radioimmunological analysis of simian adenovirus SA7 hexon] Tarasishin LA, et al. **Vopr Virusol** 1982 Mar-Apr; 27(2):192–7 (Eng. Abstr.) **(Rus)**

[Variability of hemagglutinin and nucleoprotein proteins in the 'Spanish' series of influenza viruses] Zhdanov VM, et al. **Vopr Virusol** 1981 Jul-Aug;(4):456–9 (Eng. Abstr.) **(Rus)**

[Molecular biology of the foot-and-mouth disease virus] Dubra MS, et al. **Medicina (B Aires)** 1981;41 Suppl:221–9 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Quercetin inhibits tyrosine phosphorylation by the cyclic nucleotide-independent, transforming protein kinase, pp60src. Glossmann H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Aug; 317(1):100–2

BIOSYNTHESIS

The measles virus-specific protein synthesis of persistently and lytically infected cells studied in vivo and in vitro. Vainionpää R, et al. **Acta Pathol Microbiol Scand [B]** 1981 Dec;89(6):371–8

Resistance of Semliki forest virus protein synthesis to high salt treatment. Erdei S. **Acta Virol (Praha)** 1981 Sep; 25(5):257–65

Glycoprotein E1 of coronavirus A59: a new type of viral glycoprotein. Niemann H, et al. **Adv Exp Med Biol** 1981; 142:119–31

Intracellular protein synthesis and the in vitro translation of coronavirus JHM mRNA. Siddell S, et al. **Adv Exp Med Biol** 1981;142:193–207

Effect of 9-(2-hydroxyethoxymethyl)guanine on viral-specific polypeptide synthesis in human cytomegalovirus-infected cells. Mar EC, et al. **Am J Med** 1982 Jul 20;73(1A):82–5

Translation of coxsackievirus B RNAs in a rabbit reticulocyte lysate: characterization of the genome RNA, reaction conditions for translation, and analysis of the products. Chatterjee NK, et al. **Arch Virol** 1981;70(3):271–83

Comparison of capsid polypeptides of group B coxsackie-viruses and polypeptide synthesis in infected cells. Chatterjee NK, et al. **Arch Virol** 1981;70(3):255–69

In vivo and in vitro synthesis of the proteins expressed by the RNA of black beetle virus. Crump WA, et al. **Arch Virol** 1981;69(2):131–9

Restriction of virus-specific protein synthesis in a persistent paramyxovirus infection. Robbins SJ, et al. **Arch Virol** 1982; 71(1):85–91

Protein synthesis in cucumber mosaic virus-infected tobacco leaves, pre-infected cells and protoplasts. Roberts PL, et al. **Arch Virol** 1981;70(2):115–22

Studies on benzhydrazone, a specific inhibitor of herpesvirus glycoprotein synthesis. Size distribution of glycopeptides and endo-beta-N-acetylglucosaminidase-H treatment. Serafini-Cessi F, et al. **Arch Virol** 1981;70(4):331–43

Differential stimulation by polyamines of phage RNA-directed synthesis of proteins. Watanabe Y, et al. **Biochim Biophys Acta** 1981 Dec 28;656(2):134–9

Synthesis of a viral protein with molecular weight of 30,000 (p30) by leukemic cells and antibodies cross-reacting with Simian sarcoma virus p30 in serum of a chronic myeloid leukemia patient. Derks JP, et al. **Cancer Res** 1982 Feb; 42(2):681–6

A selective temperature-sensitive defect in viral RNA expression in cells infected with a ts transformation mutant of murine sarcoma virus. Horn JP, et al. **Cell** 1981 Jul; 25(1):37–46

Cloning of bacteriophage T5 DNA fragments. III. Expression in Escherichia coli mini-cells. Brunel F, et al. **Gene** 1981 Dec;16(1–3):107–18

Viral gene expression in cells transformed by simian sarcoma virus, an infectious primate type C retrovirus. Bergholz CM. **Hamatol Bluttransfus** 1981;26:524–6

Altered G-protein glycosylation in vesicular stomatitis virus-infected glucose-deprived baby hamster kidney cells. Turco SJ, et al. **J Biol Chem** 1982 Aug 10;257(15):8674–9

The biosynthesis of membrane-bound M13 coat protein. Energetics and assembly intermediates. Zimmermann R, et al. **J Biol Chem** 1982 Jun 10;257(11):6529–36

The regulated expression of Epstein-Barr virus. III. Proteins specified by EBV during the lytic cycle. Bayliss GJ, et al. **J Gen Virol** 1981 Sep;56(Pt 1):105–18

Kinetics and characterization of the proteins synthesized during infection by bacteriophage PM2. Brewer GJ, et al. **J Gen Virol** 1982 May;60(Pt 1):135–46

Inhibition of La Crosse virus replication by monensin, monovalent ionophore. Cash P. **J Gen Virol** 1982 Mar;59(Pt 1):193–6

Cellular synthesis and modification of murine hepatitis virus polypeptides. Cheley S, et al. **J Gen Virol** 1981 Jun;54(Pt 2):301–11

Time of synthesis and cellular location of Epstein-Barr virus-specified polypeptides radioimmunoprecipitated from iododeoxyuridine-induced Burkitt lymphoma/somatic cell hybrids. Durnford JM, et al. **J Gen Virol** 1982 May;60(Pt 1):39–48

Sulphated glycoproteins induced by herpes simplex virus. Hope RG, et al. **J Gen Virol** 1982 Feb;58(Pt 2):399–415

Proteins and glycoproteins specified by bunyamwera virus and by Belmont virus, a possible bunyavirus, in mammalian

cells. McPhee DA, et al. **J Gen Virol** 1981 May;54(Pt 1):149–59

Protein synthesis and membrane integrity in interferon–treated HeLa cells infected with encephalomyocarditis virus. Muñoz A, et al. **J Gen Virol** 1981 Sep;56(Pt 1):153–62

Protein synthesis in Vero cells abortively infected with influenza B virus. Nakamura K, et al. **J Gen Virol** 1981 Sep;56(Pt 1):199–202

Antigen and polypeptide synthesis by temperature–sensitive mutants of respiratory syncytial virus. Pringle CR, et al. **J Gen Virol** 1981 May;54(Pt 1):173–83

Coronavirus JHM: intracellular protein synthesis. Siddell S, et al. **J Gen Virol** 1981 Mar;53(Pt 1):145–55

Persistent and lytic infections with SSPE virus: a comparison of the synthesis of virus–specific polypeptides. Stephenson JR, et al. **J Gen Virol** 1981 Nov;57(Pt 1):191–7

Synthesis of human cytomegalovirus–specified RNA and protein in interferon–treated cells at early times after infection. Stinski MF, et al. **J Gen Virol** 1982 Jun;60(Pt 2):261–70

Antiretroviral effect of interferon: proposed mechanism. Naso RB, et al. **J Interferon Res** 1982;2(1):75–96

Mutations that detoxify an aberrant T4 membrane protein. Nelson MA, et al. **J Mol Biol** 1981 Jul 5;149(3):377–403

Effect of the arginine analog canavanine on the synthesis of Epstein–Barr virus–induced proteins in superinfected Raji cells. Bayliss GJ, et al. **J Virol** 1982 Mar;41(3):1109–11

Regulation of protein synthesis in vesicular stomatitis virus–infected mouse L–929 cells by decreased protein synthesis initiation factor 2 activity. Centrella M, et al. **J Virol** 1982 Mar;41(3):781–91

Synthesis of vesicular stomatitis virus negative–strand RNA in vitro: dependence on viral protein synthesis. Davis NL, et al. **J Virol** 1982 Mar;41(3):821–32

Synthesis of virus–specific polypeptides and genomic RNA during the replicative cycle of Pichinde virus. Dimock K, et al. **J Virol** 1982 Jul;43(1):273–83

Identification of the initiation site of poliovirus polyprotein synthesis. Dorner AJ, et al. **J Virol** 1982 Jun;42(3):1017–28

Analysis of proteins synthesized in respiratory syncytial virus–infected cells. Dubovi EJ. **J Virol** 1982 May; 42(2):372–8

Synthesis of the viral glycoprotein of Rous–associated virus–2. Enrietto PJ, et al. **J Virol** 1982 Aug;43(2):756–60

Identification, synthesis, and modifications of simian rotavirus SA11 polypeptides in infected cells. Ericson BL, et al. **J Virol** 1982 Jun;42(3):825–39

Epstein–Barr virus polypeptides: identification of early proteins and their synthesis and glycosylation. Feighny RJ, et al. **J Virol** 1981 Aug;39(2):651–5

Loss of viral gene expression and retention of tumorigenicity by Abelson lymphoma cells. Grunwald DJ, et al. **J Virol** 1982 Jul;43(1):92–103

Transcriptional regulation of bacteriophage SPO1 protein synthesis in vivo and in vitro. Heintz N, et al. **J Virol** 1982 Jun;42(3):951–62

Molecular biology of rotaviruses. I. Characterization of basic growth parameters and pattern of macromolecular synthesis. McCrae MA, et al. **J Virol** 1981 Aug;39(2):490–6

Proteins Specified by bovine herpesvirus 1 (infectious bovine rhinotracheitis virus). Misra V, et al. **J Virol** 1981 Nov; 40(2):367–78

Effect of glycosylation inhibitors on the release of enveloped vaccinia virus. Payne LG, et al. **J Virol** 1982 Feb; 41(2):367–75

phi X174–directed DNA and protein syntheses in infected minicells. Reeve JN. **J Virol** 1981 Nov;40(2):396–402

Viral protein synthesis in mouse hepatitis virus strain A59–infected cells: effect of tunicamycin. Rottier PJ, et al. **J Virol** 1981 Nov;40(2):350–7

Identification of a precursor in the biosynthesis of the p21 transforming protein of harvey murine sarcoma virus. Shih TY, et al. **J Virol** 1982 Apr;42(1):253–61

Precursor polypeptides to structural proteins of visna virus. Vigne R, et al. **J Virol** 1982 Jun;42(3):1046–56

Selection of somatic cell hybrids between BK virus transformed BHK–21 and human embryonic kidney cells to study viral gene expression. Major EO, et al. **J Virol Methods** 1980;1(3):139–47

Techniques for the cell–free translation of viral RNA. Hruby DE, et al. **Lab Res Methods Biol Med** 1982;5:279–303 (63 ref.)

Inhibition of the dolichol pathway of protein glycosylation. Schwarz RT, et al. **Methods Enzymol** 1982;83 Pt D:432–43

Isolation and characterization of deletion mutants affected in early genes of bacteriophage phi 80. Morita T, et al. **MGG** 1981;183(1):144–51

Realization of pre–mutational UV lesions of a virulent Escherichia coli bacteriophage Sd: requirement for protein synthesis de novo. Krivisky AS, et al. **Mutat Res** 1981 Nov; 91(6):427–32

Induction of high serum levels of retroviral env gene products (gp70) in mice by bacterial lipopolysaccharide. Hara I, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):4397–401

The proteins of bacteriophage mu: composition of the virion and biosynthesis in vivo during lytic growth. DuBow MS, et al. **Prog Clin Biol Res** 1981;64:47–67

Selective inhibition of cellular protein synthesis by amphotericin B in EMC virus–infected cells. Alonso MA, et al. **Virology** 1981 Oct 15;114(1):247–51

Synthesis of virus–specific proteins in simian sarcoma virus–transformed primate cells. Bergholz CM. **Virology** 1981 Oct 15;114(1):113–23

Oligosaccharide modifications and the site of processing of gPr92env, the precursor for the viral glycoproteins of Rous sarcoma virus. Bosch JV, et al. **Virology** 1982 May; 119(1):122–32

Assembly of adenovirus penton base and fiber. Boudin ML, et al. **Virology** 1982 Jan 30;116(2):589–604

Expression of cell surface Friend virus gp70 does not block reinfection by ecotropic murine leukemia viruses. Chesebro B, et al. **Virology** 1981 Nov;115(1):125–9

Transient enhanced synthesis of a cellular protein following infection of Aedes albopictus cells with Sindbis virus. Eaton BT. **Virology** 1982 Mar;117(2):307–21

Translation of foot–and–mouth disease virion RNA and processing of the primary cleavage products in a rabbit reticulocyte lysate. Grubman MJ, et al. **Virology** 1982 Jan 15;116(1):19–30

Tryptic and chymotryptic methionine peptide analysis of the in vitro translation products specified by the transforming region of adenovirus type 2. Halbert DN, et al. **Virology** 1982 Jan 30;116(2):406–18

Synthesis of mumps virus polypeptides in infected Vero cells. Herrler G, et al. **Virology** 1982 Jun;119(2):430–8

A src–related 120,000–dalton protein expressed in an avian sarcoma virus–transformed rat cell line. Hirai R, et al. **Virology** 1982 Aug;121(1):107–15

Tunicamycin resistant glycosylation of coronavirus glycoprotein: demonstration of a novel type of viral glycoprotein. Holmes KV, et al. **Virology** 1981 Dec; 115(2):334–44

Restriction of vesicular stomatitis virus in a nonpermissive rabbit cell line is at the level of protein synthesis. Jones EV, et al. **Virology** 1982 Aug;121(1):20–31

Pathway of assembly of herpesvirus capsids: an analysis using DNA+ temperature–sensitive mutants of pseudorabies virus. Ladin BF, et al. **Virology** 1982 Jan 30;116(2):544–61

Viral expression in two myelomonocytic cell lines obtained from long–term bone marrow culture infected with the Friend polycythemia–inducing virus (FV–P). Mathieu–Mahul D, et al. **Virology** 1982 May;119(1):59–67

Effect of tunicamycin on the replication of Sendai virus. Nakamura K, et al. **Virology** 1982 Jun;119(2):474–87

Epstein–barr virus–related DNA–binding proteins induced by n–butyrate in P3HR–1 cells. Sugawara K, et al. **Virology** 1982 Jan 15;116(1):354–8

[Biogenesis of viral glycoproteins and role of sugar chains in biological functions of virus (author's transl)] Kohama T. **Tanpakushitsu Kakusan Koso** 1981 Nov;26(14):2099–115 (131 ref.) **(Jpn)**

[Ability of vaccinia viruses to induce expression of p30 retroviruses in continuous mouse cell lines] Merekalova ZI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):710–12 **(Rus)**

[Effect of amantadine (1–aminoadamantane) and remantadine (alpha–methyl–1–adamantane methyl amine) hydrochlorides on formation of influenza A viral proteins] Galegov GA, et al. **Vopr Med Khim** 1981 Mar–Apr; 27(2):251–4 (Eng. Abstr.) **(Rus)**

[Effect of remantadine, ribavirin and their combinations on the protein synthesis of influenza virus A in a cell culture] L'vov ND, et al. **Vopr Med Khim** 1981 Nov–Dec; 27(6):820–3 (Eng. Abstr.) **(Rus)**

[Study of regulation of orthomyxovirus virus–specific polypeptides using the ts–mutant of fowl plague virus having a transcription abnormality as a model] Markushin SG, et al. **Vopr Virusol** 1981 Sep–Oct;(5):604–7 (Eng. Abstr.) **(Rus)**

[Influenza virus proteins. Subcellular distribution and intracellular transport of de novo synthesized viral proteins in infected cells] Zhirnov OP, et al. **Vopr Virusol** 1981 Nov–Dec;(6):667–77 (Eng. Abstr.) **(Rus)**

BLOOD

Low–calorie diet selectively reduces expression of retroviral envelope glycoprotein gp70 in sera of NZB x NZW F1 hybrid mice. Izui S, et al. **J Exp Med** 1981 Oct 1; 154(4):1116–24

CHEMICAL SYNTHESIS

Antibodies against the chemically synthesized genome–linked protein of poliovirus react with native virus–specific proteins. Baron MH, et al. **Cell** 1982 Feb;28(2):395–404

CLASSIFICATION

[Grouping of the NS1 nonstructural proteins of influenza A viruses] Sokolov BP, et al. **Vopr Virusol** 1981 Nov–Dec; (6):650–7 (Eng. Abstr.) **(Rus)**

GENETICS

In vitro transformation with Rous sarcoma virus and the pp60src–associated protein kinase. Friis RR, et al. **Adv Cyclic Nucleotide Res** 1981;14:463–7

Phosphorylating proteins as effectors in malignant cell transformation. Kurth R, et al. **Adv Cyclic Nucleotide Res** 1981;14:443–62

The src gene product (pp60 src) of avian sarcoma virus rapidly induces DNA synthesis and proliferation of calcium–deprived rat cells. Durkin JP, et al. **Biochem Biophys Res Commun** 1981 Nov 16;103(1):233–9

Amino acid composition and terminal sequence analysis of the rabies virus glycoprotein: identification of the reading frame on the cDNA sequence. Lai CY, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):536–42

Differential effects of ethanol and the rpsL1 (strA1) ribosomal mutation on the synthesis of an unusual protein coded by bacteriophages R17 and MS2 RNA. Laughrea M. **Can J Biochem** 1981 Oct;59(10):799–801

Identification of a fish protein associated with a kinase activity and related to the Rous sarcoma virus transforming protein. Barnekow A, et al. **Cancer Res** 1982 Jun; 42(6):2429–33

Glucocorticoid regulation of the Ha–MuSV p21 gene conferred by sequences from mouse mammary tumor virus. Huang AL, et al. **Cell** 1981 Dec;27(2 Pt 1):245–55

A cascade of adenovirus early functions is required for expression of adeno–associated virus. Richardson WD, et al. **Cell** 1981 Nov;27(1 Pt 2):133–41

Genome–linked proteins of viruses. Wimmer E. **Cell** 1982 Feb;28(2):199–201

The transforming protein of avian sarcoma viruses and its homologue in normal cells. Erikson RL. **Curr Top Microbiol Immunol** 1981;91:25–40 (91 ref.)

Retroviral gene expression. Hayward WS, et al. **Curr Top Microbiol Immunol** 1981;91:217–76 (325 ref.)

Gene–specific probes for avian retroviruses. Spector DH. **Curr Top Microbiol Immunol** 1981;91:41–80 (226 ref.)

Efficient translation of the coat protein cistron of tobacco mosaic virus in a cell–free system from Escherichia coli. Glover JF, et al. **Eur J Biochem** 1982 Mar 1;122(3):485–92

The interaction of the A and A* proteins of bacteriophage phi X174 with single–stranded and double–stranded phi X DNA in vitro. van der Ende A, et al. **Eur J Biochem** 1982 May 17;124(2):245–52

Solid–phase sequence analysis of polypeptides eluted from polyacrylamide gels. An aid to interpretation of DNA sequences exemplified by the Escherichia coli unc operon and bacteriophage lambda. Walker JE, et al. **Eur J Biochem** 1982 Apr 1;123(2):253–60

Gastrin and the transforming protein of polyoma virus have evolved from a common ancestor. Baldwin GS. **FEBS Lett** 1982 Jan 11;137(1):1–5

The nucleotide sequence of cDNA coding for the structural proteins of foot–and–mouth disease virus. Boothroyd JC, et al. **Gene** 1982 Feb;17(2):153–61

Antitermination and termination functions of the cloned nutL, N, and tL1 modules of coliphage lambda. Drahos D, et al. **Gene** 1981 Dec;16(1–3):261–74

Functional expression of the Herpes simplex virus thymidine kinase gene in Escherichia coli K–12. Kit S, et al. **Gene** 1981 Dec;16(1–3):287–95

The nucleotide sequence of the gene for protein IVa2 and of the 5' leader segment of the major late mRNAs of adenovirus type 5. van Beveren CP, et al. **Gene** 1981 Dec; 16(1–3):179–89

The same genetic locus directs differentiation–linked expression of endogenous retrovirus gp70 on thymocytes and spleen cells in the mouse. Tung JS, et al. **Immunogenetics** 1982 Jan;15(1):103–8

Physical mapping and cloning of bacteriophage T4 anti–restriction endonuclease gene. Dharmalingam K, et al. **J Bacteriol** 1982 Feb;149(2):694–9

Nucleotide sequence and its character of cistron coding for the 30 K protein of tobacco mosaic virus (OM strain). Meshi T, et al. **J Biochem (Tokyo)** 1982 Apr;91(4):1441–4

Bacteriophage lambda DNA packaging in vitro. The involvement of the lambda FI gene product, single–strand DNA, and a novel lambda–directed protein in the packaging reaction. Benchimol S, et al. **J Biol Chem** 1982 May 10;257(9):5201–10

Properties of the N gene transcription antitermination protein of bacteriophage lambda. Greenblatt J, et al. **J Biol Chem** 1982 Jan 10;257(1):362–5

Photochemical cross–linking of the gene 5 protein.fd DNA complex from fd–infected cells. Paradiso PR, et al. **J Biol Chem** 1982 Feb 10;257(3):1462–7

Separate requirements for leading and lagging strand DNA synthesis during phi X A protein–dependent RF goes to RF DNA replication in vitro. Reinberg D, et al. **J Biol Chem** 1981 Dec 25;256(24):13143–51

Heterogeneous metabolism and subcellular localization of a potentially leukemogenic membrane glycoprotein encoded by Friend erythroleukemia virus. Isolation of viral and cellular processing mutants. Ruta M, et al. **J Biol Chem** 1982 Jan 10;257(1):126–34

Molecular mechanisms of substitution mutagenesis. An experimental test of the Watson–Crick and topal–fresco models of base mispairings. Sinha NK, et al. **J Biol Chem** 1981 Oct 25;256(20):10671–83

Complete amino acid sequence of the group–specific antigen gene–encoded phosphorylated proteins of mouse leukemia viruses. Versteegen RJ, et al. **J Biol Chem** 1982 Mar 25; 257(6):3007–13

Bacteriophage f1 gene II and X proteins. Isolation and characterization of the products of two overlapping genes. Yen TS, et al. **J Biol Chem** 1981 Nov 10;256(21):11259–65

One functional copy of the long terminal repeat gene specifying the immediate–early polypeptide IE 110 suffices for a productive infection of human foetal lung cells by herpes simplex virus. Davison AJ, et al. **J Gen Virol** 1981 Jul;55(Pt 1):179–91

Expression of early viral gene products in adenovirus type 12–infected and –transformed cells. Esche H, et al. **J Gen Virol** 1982 May;60(Pt 1):99–113

Effect of mutation on the virulence in mice of a strain of foot–and–mouth disease virus. McCahon D, et al. **J Gen Virol** 1981 Jun;54(Pt 2):263–72

Three strains of European foot–and–mouth disease virus are highly conserved in the 3'–termini and highly variable in the genes of two capsid proteins. Marquardt O. **J Gen Virol** 1982 Apr;59(Pt 2):283–94

Temperature–sensitive mutant of Newcastle disease virus which has an altered nucleocapsid–associated protein. Samson AC, et al. **J Gen Virol** 1981 May;54(Pt 1):197–201

Expression on normal lymphocytes of two cell surface antigens, XenCSA and GIX, related to the major glycoproteins (gp70) of murine leukemia viruses. Morse HC 3d, et al. **J Immunol** 1982 May;128(5):2111–5

The structures of the spliced mRNAs encoding polyoma virus early region proteins. Treisman R, et al. **J Mol Appl Gen** 1981;1(2):83–92

Tobacco mosaic virus induces the synthesis of a family of 3' coterminal messenger RNAs and their complements. Goelet P, et al. **J Mol Biol** 1982 Jan 25;154(3):541–50

Autogenous regulation by the bacteriophage P22 arc gene product. Youderian P, et al. **J Mol Biol** 1982 Jan 25; 154(3):449–64

N–Terminal polyhedrin sequences and occluded Baculovirus evolution. Rohrmann GF, et al. **J Mol Evol** 1981; 17(6):329–33

Gene protein products of SA11 simian rotavirus genome. Arias CF, et al. **J Virol** 1982 Jan;41(1):42–50

Expression of the gene encoding the adenovirus DNA terminal protein precursor in productively infected and transformed cells. Binger MH, et al. **J Virol** 1982 May; 42(2):488–501

DNA synthesis and template activity in a mutant of polyoma virus with altered expression of late viral proteins. Blackburn C, et al. **J Virol** 1981 Oct;40(1):142–9

Influenza B virus genome: sequences and structural organization of RNA segment 8 and the mRNAs coding for the NS1 and NS2 proteins. Briedis DJ, et al. **J Virol** 1982 Apr;42(1):186–93

Cloning and characterization of an envelope–specific probe from xenotropic murine leukemia proviral DNA. Buckler CE, et al. **J Virol** 1982 Jan;41(1):228–36

Transfection of Escherichia coli spheroplasts with a bacteriophage Mu DNA–protein complex. Chase CD, et al. **J Virol** 1982 Apr;42(1):176–85

Mutations in the herpes simplex virus DNA polymerase gene can confer resistance to 9–beta–D–arabinofuranosyladenine. Coen DM, et al. **J Virol** 1982 Mar;41(3):909–18

Candidate product of the FBJ murine osteosarcoma virus oncogene: characterization of a 55,000–dalton phosphoprotein. Curran T, et al. **J Virol** 1982 Apr; 42(1):114–22

Encapsidation and expression of the herpes thymidine kinase gene in polyoma virus. Dinces NB, et al. **J Virol** 1982 May; 42(2):691–9

Identification of a virus–specific polypeptide associated with a transforming fragment (BglII–N) of herpes simplex virus type 2 DNA. Docherty JJ, et al. **J Virol** 1981 Oct; 40(1):126–32

Genetic studies on capsid–length determination in bacteriophage T4. II. Genetic evidence that specific protein–protein interactions are involved. Doherty DH. **J Virol** 1982 Aug;43(2):655–63

Genetic studies on capsid–length determination in bacteriophage T4. I. Isolation and partial characterization of second–site revertants of a gene 23 mutation affecting capsid length. Doherty DH. **J Virol** 1982 Aug;43(2):641–54

Identification of the polyprotein termination site on encephalomyocarditis viral RNA. Drake NL, et al. **J Virol** 1982 Feb;41(2):726–9

Avian sarcoma virus UR2 encodes a transforming protein which is associated with a unique protein kinase activity. Feldman RA, et al. **J Virol** 1982 Apr;42(1):228–36

Identification of virus–coded nonstructural polypep.ides in bunyavirus–infected cells. Fuller F, et al. **J Virol** 1982 Feb; 41(2):643–8

Nucleotide sequences of the mRNA's encoding the vesicular stomatitis virus N and NS proteins. Gallione CJ, et al. **J Virol** 1981 Aug;39(2):529–35

Identification of proteins encoded by a fragment of herpes simplex virus type 2 DNA that has transforming activity. Galloway DA, et al. **J Virol** 1982 May;42(2):530–7

Herpes simplex virus mRNA species mapping in EcoRI fragment I. Hall LM, et al. **J Virol** 1982 Aug;43(2):594–607

Aberrant glycoprotein mRNA synthesized by the internal deletion mutant of vesicular stomatitis virus. Herman RC, et al. **J Virol** 1981 Oct;40(1):78–86

Complete nucleotide sequence of the polymerase 3 gene of human influenza virus A/WSN/33. Kaptein JS, et al. **J Virol** 1982 Apr;42(1):55–63

Proteins containing only half of the coding information of early region 1b of adenovirus are functional in human cells transformed with the herpes simplex virus type 1 thymidine kinase gene and adenovirus type 2 DNA. Klessig DF, et al. **J Virol** 1982 Feb;41(2):423–34

Properties of a novel thymidine kinase induced by an acyclovir–resistant herpes simplex virus type 1 mutant. Larder BA, et al. **J Virol** 1982 May;42(2):649–58

Simian virus 40 mutant with transposed T–antigen and VP1 genes. Lazarowitz SG. **J Virol** 1982 Mar;41(3):1025–37

Location of the structural genes for glycoproteins gD and gE and for other polypeptides in the S component of herpes simplex virus type 1 DNA. Lee GT, et al. **J Virol** 1982 Jul;43(1):41–9

Nucleotide sequence of the Akv env gene. Lenz J, et al. **J Virol** 1982 May;42(2):519–29

Envelope gene sequences which encode the gp52 protein of spleen focus–forming virus are required for the induction of erythroid cell proliferation. Linemeyer DL, et al. **J Virol** 1982 Jul;43(1):223–33

Structure and expression of class II defective herpes simplex virus genomes encoding infected cell polypeptide number 8. Locker H, et al. **J Virol** 1982 Aug;43(2):574–93

Identification of adenovirus 2 early region 4 polypeptides by in vitro translation and tryptic peptide map analysis. Matsuo T, et al. **J Virol** 1982 Jan;41(1):334–9

Deletion of a 9,000–base–pair segment of the vaccinia virus genome that encodes nonessential polypeptides. Moss B, et al. **J Virol** 1981 Nov;40(2):387–95

Characterization of two temperature–sensitive mutants of type 5 adenovirus with mutations in the 100,000–dalton protein gene. Oosterom–Dragon EA, et al. **J Virol** 1981 Nov;40(2):491–500

Identification of proteins encoded by the Gazdar murine sarcoma virus genome by in vitro translation and comparison with Moloney murine sarcoma virus 124. Papkoff J, et al. **J Virol** 1982 Aug;43(2):533–43

Virion functions of RNA+ temperature–sensitive mutants of Newcastle disease virus. Peeples ME, et al. **J Virol** 1982 May;42(2):440–6

Conservation of protein coding potential in the long terminal repeats of exogenous and endogenous mouse mammary tumor viruses. Peters G, et al. **J Virol** 1982 Jun;42(3):880–8

Nucleotide sequences of the mRNA's encoding the vesicular stomatitis virus G and M proteins determined from cDNA clones containing the complete coding regions. Rose JK, et al. **J Virol** 1981 Aug;39(2):519–28

Cloning and characterization of DNA complementary to the measles virus mRNA encoding hemagglutinin and matrix protein. Rozenblatt S, et al. **J Virol** 1982 Jun;42(3):790–7

Guanidine–resistant mutants of aphthovirus induce the synthesis of an altered nonstructural polypeptide, P34. Saunders K, et al. **J Virol** 1982 May;42(2):389–94

Revertant analysis of a temperature–sensitive mutant of Newcastle disease virus with defective glycoproteins: implication of the fusion glycoprotein in cell killing and isolation of a neuraminidase–deficient hemagglutinating virus. Smith GW, et al. **J Virol** 1982 May;42(2):659–68

Nucleotide sequence of the 5' noncoding region and part of the gag gene of Rous sarcoma virus. Swanstrom R, et al. **J Virol** 1982 Feb;41(2):535–41

Mutation affecting late gene expression in polyoma virus maps in the late region. Thomas EK, et al. **J Virol** 1982 May;42(2):719–24

Participation of subgenomic retroviral mRNAs in recombination. Wang LH, et al. **J Virol** 1982 Mar; 41(3):919–30

Functional characterization of cleavage–defective mutants of encephalomyocarditis virus. Young SA, et al. **J Virol** 1982 Jun;42(3):814–24

Kinetics of P22 early gene expression suggests a cro–like regulatory function. Harvey AM, et al. **MGG** 1981; 184(1):151–7

Assembly of bacteriophage T4 tail fibers: identification and characterization of the nonstructural protein gp57. Herrmann R, et al. **MGG** 1981;184(1):125–32

Participation of the host protein(s) in the morphogenesis of bacteriophage P22. Joshi A, et al. **MGG** 1982;186(1):44–9

Absence of a protein constituent and occurrence of an oversized DNA genome in a high density mutant particle of phage P22. Mise K. **MGG** 1981;184(1):26–32

Control of bacteriophage phi X 174 gene expression by the transcription termination factor rho in vitro. Patrushev LI, et al. **MGG** 1981;182(3):471–6

Kinetics of c2–repressor synthesis in a regulatory defective P22 mutant. Prell HH, et al. **MGG** 1981;184(1):147–50

Molecular cloning of the T4 genome: organization and expression of the tail fiber gene cluster 34—38. Revel HR. **MGG** 1981;182(3):445–55

A proteinless mutant of tobacco mosaic virus: evidence against the role of a viral coat protein for interference. Sarkar S, et al. **MGG** 1981;184(1):158–9

Comparison between the viral transforming gene (src) of recovered avian sarcoma virus and its cellular homolog. Takeya T, et al. **Mol Cell Biol** 1981 Nov;1(11):1024–37

Structure of the glycoprotein gene in rabies virus. Anilionis A, et al. **Nature** 1981 Nov 19;294(5838):275–8

Preferential cleavage of phage lambda repressor monomers by recA protease. Cohen S, et al. **Nature** 1981 Nov 12; 294(5837):182–4

The garden path [news] Griffin B. **Nature** 1982 May 20; 297(5863):177–8

SV40 recombinant molecules express the gene encoding p21 transforming protein of Harvey murine sarcoma virus. Gruss P, et al. **Nature** 1981 Oct 8;293(5832):486–8

Production in B. subtilis of hepatitis B core antigen and a major antigen of foot and mouth disease virus. Hardy K, et al. **Nature** 1981 Oct 8;293(5832):481–3

lambda Repressor and cro—components of an efficient molecular switch. Johnson AD, et al. **Nature** 1981 Nov 19;294(5838):217–23 (73 ref.)

Lysis gene expression of RNA phage MS2 depends on a frameshift during translation of the overlapping coat protein gene. Kastelein RA, et al. **Nature** 1982 Jan 7; 295(5844):35–41

Avian sarcoma virus Y73 genome sequence and structural similarity of its transforming gene product to that of Rous sarcoma virus. Kitamura N, et al. **Nature** 1982 May 20; 297(5863):205–8

Bacterial expression of an enzymatically active protein encoded by RSV src gene. McGrath JP, et al. **Nature** 1982 Feb 4;295(5848):423–5

Resolving the functions of overlapping viral genes by site–specific mutagenesis at a mRNA splice site. Montell C, et al. **Nature** 1982 Feb 4;295(5848):380–4

The complete sequence of RNA segment 2 of influenza A/NT/60/68 P1 protein. Bishop DH, et al. **Nucleic Acids Res** 1982 Feb 25;10(4):1335–43

Complete nucleotide sequences of the coat protein messenger RNAs of brome mosaic virus and cowpea chlorotic mottle virus. Dasgupta R, et al. **Nucleic Acids Res** 1982 Jan 22; 10(2):703–13

A procedure to verify an amino acid sequence which has been derived from a nucleotide sequence: application to the 26S RNA of Semliki Forest virus. Garoff H, et al. **Nucleic Acids Res** 1982 Jan 22;10(2):675–87

Nucleotide sequence of adenovirus 2 DNA fragment encoding for the carboxylic region of the fiber protein and the entire E4 region. Hérissé J, et al. **Nucleic Acids Res** 1981 Aug 25;9(16):4023–42

Nucleotide sequence of the bacteriophage T4 gene 57 and a deduced amino acid sequence. Herrmann R. **Nucleic Acids Res** 1982 Feb 11;10(3):1105–12

A region of the polyoma virus genome between the replication origin and late protein coding sequences is required in cis for both early gene expression and viral DNA replication. Tyndall C, et al. **Nucleic Acids Res** 1981 Dec 11;9(23):6231–50

Detection of a cellular polypeptide associated with adenovirus–coded VA RNA using in vitro labeling of proteins cross–linked to RNA. van Eekelen C, et al. **Nucleic Acids Res** 1982 May 25;10(10):3039–52

Phi X 174 gene A protein does not cleave at a mouse mitochondrial DNA sequence homologous to the phi X and G4 cleavage site. Doda JN, et al. **Plasmid** 1981 Nov; 6(3):354–7

Gene II of phage f1: its functions and its products. Dotto GP, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5421–24

Leukemogenesis by Gross passage A murine leukemia virus: expression of viruses with recombinant env genes in transformed cells. Famulari NG, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3872–6

Construction of plasmids for expression of Rous sarcoma virus transforming protein, p60src, in Escherichia coli. Gilmer TM, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2152–6

Selection of rat hepatoma cells defective in hormone–regulated production of mouse mammary tumor virus RNA. Grove JR, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4349–53

Proteolytic processing of poliovirus polypeptides: antibodies to polypeptide P3–7c inhibit cleavage at glutamine–glycine pairs. Hanecak R, et al. **Proc Natl Acad Sci USA** 1982 Jul; 79(13):3973–7

Adenoviral protein–primed initiation of DNA chains in vitro. Ikeda JE, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(8):2442–6

Translational regulation: identification of the site on bacteriophage T4 rIIB mRNA recognized by the regA gene function. Karam J, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4669–73

Sequences of mRNAs derived from genome RNA segment 7 of influenza virus: colinear and interrupted mRNAs code for overlapping proteins. Lamb RA, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4170–4

Cloning of bacteriophage fd gene 2 and construction of a plasmid dependent on fd gene 2 protein. Meyer TF, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5416–20

SOS induction and autoregulation of the himA gene for site–specific recombination in Escherichia coli. Miller HI, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6754–8

Cellular homologue (c–src) of the transforming gene of Rous sarcoma virus: isolation, mapping, and transcriptional analysis of c–src and flanking regions. Parker RC, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5842–6

Expression of early adenovirus genes requires a viral encoded acidic polypeptide. Ricciardi RP, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6121–5

Conditional expression of the vesicular stomatitis virus glycoprotein gene in Escherichia coli. Rose JK, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6670–4

Genes VI, VII, and IX of phage M13 code for minor capsid proteins of the virion. Simons GF, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4194–8

Characterization of sites for tyrosine phosphorylation in the transforming protein of Rous sarcoma virus (pp60v–src) and its normal cellular homologue (pp60c–src). Smart JE, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6013–7

Intramolecular genetic analysis of lambda phage structural proteins. Katsura I. **Prog Clin Biol Res** 1981;64:79–93

Organization of the bacteriophage T4 tail fiber gene cluster 34–38. Revel HR. **Prog Clin Biol Res** 1981;64:353–64

Genes VI, VII and IX of bacteriophage M13: identification of their products as minor capsid proteins. Simons GF, et al. **Prog Clin Biol Res** 1981;64:401–11

Nucleotide sequence of the p21 transforming protein of Harvey murine sarcoma virus. Dhar R, et al. **Science** 1982 Sep 3;217(4563):934–6

Nucleotide sequence of the oncogene encoding the p21 transforming protein of Kirsten murine sarcoma virus. Tsuchida M, et al. **Science** 1982 Sep 3;217(4563):937–9

Suppression of transcription termination by phage lambda. Ward DF, et al. **Science** 1982 May 28;216(4549):946–51

Heritable differences among gp70-like molecules on C3H ultraviolet light-induced fibrosarcomas. Roman JM, et al. **Transplant Proc** 1981 Dec;13(4):1782–6

RNA and polypeptide homology among murine coronaviruses. Cheley S, et al. **Virology** 1981 Dec; 115(2):310–21

Four Rous sarcoma virus mutants which affect transformed cell morphology exhibit altered src gene products. Fujita DJ, et al. **Virology** 1981 Oct 15;114(1):256–60

A temperature-sensitive mutant of western equine encephalitis virus with an altered envelope protein E1 and a defect in the transport of envelope glycoproteins. Hashimoto K, et al. **Virology** 1982 Jun;119(2):276–87

Epstein-Barr virus-induced early polypeptides in Raji and NC37 cells activated by diterpene ester TPA in combination with N-butyrate. Kawanishi M, et al. **Virology** 1981 Dec;115(2):406–9

Identification of the gin protein of bacteriophage mu. Kwoh DY, et al. **Virology** 1981 Oct 15;114(1):291–6

Genomic characterization of a highly oncogenic env gene recombinant between amphotropic retrovirus of wild mouse and endogenous xenotropic virus of NIH swiss mouse. Lai MM, et al. **Virology** 1982 Feb;117(1):262–6

Identification of the proteins encoded by each genome segment of infectious pancreatic necrosis virus. Macdonald RD, et al. **Virology** 1981 Oct 30;114(2):414–22

Sequence of the influenza A/Udorn/72 (H3N2) virus neuraminidase gene as determined from cloned full-length DNA. Markoff L, et al. **Virology** 1982 Jun;119(2):288–97

Polypeptides encoded by transforming region E 1b of human adenovirus 2: immunoprecipitation from transformed and infected cells and cell-free translation of E 1b-specific mRNA. Matsuo T, et al. **Virology** 1982 Apr 30; 118(2):456–65

Clonal isolate of the simian sarcoma virus codes for a Gag-related 65,000-dalton protein. Matthews TJ, et al. **Virology** 1981 Oct 15;114(1):124–31

Effects of transposition and deletion upon coat protein gene expression in bacteriophage f1. Moses PB, et al. **Virology** 1982 Jun;119(2):231–44

Structural homology of the major internal proteins of endogeneous type C viruses of two distantly related species of Old World monkeys: Macaca arctoides and Colobus polykomos. Oroszlan S, et al. **Virology** 1981 Dec; 115(2):262–71

Bacteriophage Mu T mutants are defective in synthesis of the major head polypeptide. Shore SH, et al. **Virology** 1982 Jul 15;120(1):264–8

Identification of a 20,000-dalton protein in SSV-transformed nonproducer cells. Thiel HJ, et al. **Virology** 1981 Dec; 115(2):401–5

The structure of the gene encoding the nucleoprotein of human influenza virus A/PR/8/34. Winter G, et al. **Virology** 1981 Oct 30;114(2):423–8

[The role of genetic and molecular characterization of viruses which concern the surveillance and epidemiology of influenza: WHO memorandum] **Bull WHO** 1982; 60(2):193–8 **(Fre)**

[Theoretical analysis of protein coevolution in the phage-bacterium system. The problem] Rodin SN, et al. **Zh Obshch Biol** 1982 Jan-Feb;43(1):56–64 **(Rus)**

[Theoretical analysis of protein coevolution in the phage-bacteria system. A deterministic model of the separate microevolutionary stage] Rodin SN, et al. **Zh Obshch Biol** 1982 Mar-Apr;43(2):175–85 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immediate early and early polypeptides in herpesvirus latency. Rajčáni J, et al. **Acta Virol (Praha)** 1981 Nov; 25(6):371–5

Detection by radioimmunoassay of antigens related to the P30 polypeptides of primate type C oncoviruses in peripheral leukocytes from patients with chronic myelogenous leukaemia. Tóth FD, et al. **Acta Virol (Praha)** 1981 Nov;25(6):376–80

SSPE, measles virus, and the matrix protein: report of a case with unusual immunochemical findings. Mandelbaum DE, et al. **Ann Neurol** 1981 Oct;10(4):351–4

Antigenic characterization of viruses by monoclonal antibodies. Yewdell JW, et al. **Annu Rev Microbiol** 1981; 35:185–206 (46 ref.)

Monoclonal IgG to the inner capsid of human rotavirus. Gary GW Jr, et al. **Arch Virol** 1982;72(3):223–7

A reliable enzyme linked immunosorbent assay for African swine fever using the major structural protein as antigenic reagent. Tabares E, et al. **Arch Virol** 1981;70(3):297–300

A cellular protein is immunologically crossreactive with and functionally homologous to the Fujinami sarcoma virus transforming protein. Mathey-Prevot B, et al. **Cell** 1982 Apr;28(4):897–906

A membrane-associated precursor to poliovirus VPg identified by immunoprecipitation with antibodies directed against a synthetic heptapeptide. Semler BL, et al. **Cell** 1982 Feb;28(2):405–12

Oncoviral proteins as cellular antigens. Fleissner E, et al. **Curr Top Microbiol Immunol** 1982;98:37–80 (399 ref.)

Absence of antigens related to murine mammary tumour virus polypeptides in rat mammary tumours. Bentvelzen P, et al. **Eur J Cancer** 1981 Apr;17(4):407–10

Natural antibodies to BLV gp51 are reactive against the carbohydrate moiety of the glycoprotein. Portetelle D, et al. **Hamatol Bluttransfus** 1981;26:498–501

Preparation and characterization of antisera to electrophoretically purified SA11 virus polypeptides. Bastardo JW, et al. **Infect Immun** 1981 Dec;34(3):641–7

Intratypic and intertypic specificity of lymphocytes involved in the recognition of herpes simplex virus glycoproteins. Carter VC, et al. **Infect Immun** 1982 Jul;37(1):116–26

Precipitation of measles virus proteins by immunoglobulin G fractions containing groups of oligoclonal bands isolated from sera of patients with subacute sclerosing panencephalitis. Lin FH, et al. **Infect Immun** 1982 Jul; 37(1):393–6

Monoclonal antibodies to human cytomegalovirus: three surface membrane proteins with unique immunological and electrophoretic properties specify cross-reactive determinants. Pereira L, et al. **Infect Immun** 1982 Jun; 36(3):924–32

Electrophoretic analysis of polypeptides immune precipitated from cytomegalovirus-infected cell extracts by human sera. Pereira L, et al. **Infect Immun** 1982 Jun;36(3):933–42

Polypeptides and functions of antigens from human coronaviruses 229E and OC43. Schmidt OW, et al. **Infect Immun** 1982 Feb;35(2):515–22

Differentiation of mumps virus strains with monoclonal antibody to the HN glycoprotein. Server AC, et al. **Infect Immun** 1982 Jan;35(1):179–86

Monoclonal antibodies to herpes simplex virus type 1 proteins, including the immediate-early protein ICP 4. Showalter SD, et al. **Infect Immun** 1981 Dec;34(3):684–92

Cross-reactive, cell-associated antigen on L929 cells infected with temperature-sensitive mutants of sindbis virus. Wolcott JA, et al. **Infect Immun** 1982 May;36(2):704–9

Epstein-Barr virus strain- and group-specific antigenic determinants detected by monoclonal antibodies. Mueller-Lantzsch N, et al. **Int J Cancer** 1981 Sep 15; 28(3):321–7

Qualitative assessment of 146 S particles of foot-and-mouth disease virus in preparations destined for vaccines. Doel TR, et al. **J Biol Stand** 1982 Apr;10(2):69–81

Inhibitors of monocyte responses to chemotaxins are present in human cancerous effusions and react with monoclonal antibodies to the P15(E) structural protein of retroviruses. Cianciolo G, et al. **J Clin Invest** 1981 Oct;68(4):831–44

Improved immunofluorescence antigens for detection of immunoglobulin M antibodies to Epstein-Barr viral capsid antigen and antibodies to Epstein-Barr virus nuclear antigen. Gallo D et al. **J Clin Microbiol** 1982 Feb; 15(2):243–8

Production of antiserum to respiratory syncytial virus polypeptides: application in enzyme-linked immunosorbent assay. Hornsleth A, et al. **J Clin Microbiol** 1981 Nov; 14(5):501–9

In vitro generation of human cytotoxic lymphocytes by virus. Viral glycoproteins induce nonspecific cell-mediated cytotoxicity without release of interferon. Casali P, et al. **J Exp Med** 1981 Sep 1;154(3):840–55

Failure to cleave measles virus fusion protein in lymphoid cells. Fujinami RS, et al. **J Exp Med** 1981 Nov 1; 154(5):1489–99

Friend murine leukemia virus-induced leukemia is associated with the formation of mink cell focus-inducing viruses and is blocked in mice expressing endogenous mink cell focus-inducing xenotropic viral envelope genes. Ruscetti S, et al. **J Exp Med** 1981 Sep 1;154(3):907–20

Immunologic studies on the influenza A virus nonstructural protein NS1. Shaw MW, et al. **J Exp Med** 1982 Jul 1; 156(1):243–54

Antibody response to spike protein vaccines prepared from Semliki Forest virus. Balcarova J, et al. **J Gen Virol** 1981 Mar;53(Pt 1):85–92

Immunological characterization of a mammary tumour virus from Swiss mice: multiple epitopes associated with the viral gene products. Calberg-Bacq CM, et al. **J Gen Virol** 1981 Nov;57(Pt 1):75–83

Detection of antigenic variation of influenza A matrix protein by a competitive radioimmunoassay. Lecomte J, et al. **J Gen Virol** 1981 Dec;57(Pt 2):403–6

Properties of monoclonal antibodies directed against the glycoproteins of Sindbis virus. Roehrig JT, et al. **J Gen Virol** 1982 Apr;59(Pt 2):421–5

Antigenic and structural relatedness among non-capsid and capsid polypeptides of polioviruses belonging to different serotypes. Romanova LI, et al. **J Gen Virol** 1981 Feb;52(Pt 2):279–89

Monoclonal antibodies against adenovirus type 5: preparation and preliminary characterization. Russell WC, et al. **J Gen Virol** 1981 Oct;56(Pt 2):393–408

Location and characterization of the antigenic portion of the FMDV immunizing protein. Strohmaier K, et al. **J Gen Virol** 1982 Apr;59(Pt 2):295–306

Morphological components of herpesvirus. III. Localization of herpes simplex virus type 1 nucleocapsid polypeptides by immune electron microscopy. Vernon SK, et al. **J Gen Virol** 1981 May;54(Pt 1):39–46

Immune stimulation of sensitized chicken lymphocytes by avian retrovirus proteins. Wainberg MA, et al. **J Gen Virol** 1982 Jun;60(Pt 2):391–5

B cell expression of endogenous retroviral envelope antigen: biochemical and immunofluorescence characterization. Ewert DL, et al. **J Immunol** 1982 Oct;129(4):1724–30

T cell recognition of Moloney leukemia virus proteins. III. T cell proliferative responses against gp70 are associated with the production of a lymphokine inducing 20 alpha-hydroxysteroid dehydrogenase in splenic lymphocytes. Ihle JN, et al. **J Immunol** 1981 Dec; 127(6):2565–70

Localization of antigenic determinants of a viral protein by inhibition of enzyme-linked immunosorbent assay (ELISA) with tryptic peptides. Altschuh D, et al. **J Immunol Methods** 1982;50(1):99–108

Subacute sclerosing panencephalitis antibodies against measles virus polypeptides. Karcher D, et al. **J Neurol** 1982; 227(1):29–34

Monoclonal antibodies to two glycoproteins of herpes simplex virus type 2. Balachandran N, et al. **J Virol** 1981 Aug;39(2):438–46

Uniform nomenclature for monoclonal antibodies directed against virus-coded proteins of simian virus 40 and polyoma virus. Crawford L, et al. **J Virol** 1982 Feb; 41(2):709

Effect of monoclonal antibodies on limited proteolysis of native glycoprotein gD of herpes simplex virus type 1. Eisenberg RJ, et al. **J Virol** 1982 Feb;41(2):478–88

Isolation of monoclonal antibodies against avian oncornaviral protein p19. Greiser-Wilke I, et al. **J Virol** 1981 Jul; 39(1):325–9

Herpes simplex virus type 1 and 2 intracellular p40: type-specific and cross-reactive antigenic determinants on peptides generated by partial proteolysis. Heilman CJ Jr, et al. **J Virol** 1981 Nov;40(2):508–15

Glycoprotein gE of herpes simplex virus type 1: effects of anti-gE on virion infectivity and on virus-induced fc-binding receptors. Para MF, et al. **J Virol** 1982 Jan; 41(1):129–36

Identification and isolation of the main component (gp350-gp220) of Epstein-Barr virus responsible for generating neutralizing antibodies in vivo. Thorley-Lawson DA, et al. **J Virol** 1982 Aug;43(2):730–6

Monoclonal antibodies to the glycoprotein of vesicular stomatitis virus: comparative neutralizing activity. Volk WA, et al. **J Virol** 1982 Apr;42(1):220–7

Enzyme-linked immunosorbent assay for acute adenovirus infection. Roggendorf M, et al. **J Virol Methods** 1982 Feb; 4(1):27–35

The use of red cells with fused Semliki Forest virus envelope proteins in antibody determinations by hemolysis in gel. Väänänen P. **J Virol Methods** 1982 Mar;4(2):117–26

Preparation of hepatitis B polypeptide micelles from human carrier plasma. Young P, et al. **J Virol Methods** 1982 Apr; 4(3):177–85

Antibody response to structural proteins of measles virus in patients with natural measles and subacute sclerosing panencephalitis. Sato TA, et al. **Jpn J Med Sci Biol** 1981 Dec;34(6):365–73

Epstein-barr virus VCA IgM and EBNA IgG antibodies titered by immunofluorescence in microplates. A semi-automated method based on microtiter system. Lamy ME, et al. **Med Microbiol Immunol (Berl)** 1982; 170(4):247–53

Immunochemistry of the Moloney MuLV gp71 molecule-1. Distribution of antigenic determinants on the products of digestion by Staphylococcus aureus protease. Alonso JL, et al. **Mol Immunol** 1982 Jan;19(1):65–73

A viral polymerase involved in recognition of influenza virus-infected cells by a cytotoxic T-cell clone. Bennink JR, et al. **Nature** 1982 Mar 4;296(5852):75–6

An adenovirus glycoprotein binds heavy chains of class I transplantation antigens from man and mouse. Signäs C, et al. **Nature** 1982 Sep 9;299(5879):175–8

Unspecific interaction between granulosis virus and mammalian immunoglobulins. Döller G. **Naturwissenschaften** 1981 Nov;68(11):573–4

Natural antibodies to the structural core protein (p24) of the human T-cell leukemia (lymphoma) retrovirus found in sera of leukemia patients in Japan. Kalyanaraman VS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1653–7

Identification of Epstein-Barr virus strain differences with monoclonal antibody to a membrane glycoprotein. Qualtiere LF, et al. **Proc Natl Acad Sci USA** 1982 Jan; 79(2):616–20

Synthetic peptide fragment of src gene product inhibits the src protein kinase and crossreacts immunologically with avian onc kinases and cellular phosphoproteins. Wong TW, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7412–6

Postimmunization clearance of liposome entrapped adenovirus type 5 hexon. Kramp WJ, et al. **Proc Soc Exp Biol Med** 1982 Jan;169(1):135–9

Epstein-Barr (EB) virus antibodies in rheumatoid arthritis. Ferrell PB, et al. **Springer Semin Immunopathol** 1981; 4(2):181–91

Reversed single-radial-immunodiffusion test: the method for the assay of the antibody to influenza A nucleoprotein. Yamane N, et al. **Tohoku J Exp Med** 1981 Mar;

133(3):245–55

Foot-and-mouth disease virus: immunogenicity and structure of fragments derived from capsid protein VP and of virus containing cleaved VP. Bachrach HL, et al. **Vet Microbiol** 1982 May;7(2):85–96

Species- and genus-specific antigenic determinants of simian agent 12 VP1 as defined with monoclonal antibodies. Benton CV, et al. **Virology** 1982 Mar;117(2):490–5

Production of monoclonal antibodies to measles virus proteins by immunization of mice with heated and detergent-treated antigens. Bohn W, et al. **Virology** 1982 Jan 15;116(1):368–71

Monoclonal antibodies to murine hepatitis virus-4 (strain JHM) define the viral glycoprotein responsible for attachment and cell—cell fusion. Collins AR, et al. **Virology** 1982 Jun;119(2):358–71

XVIII. Effective treatment of AKR leukemia with antibody to gp7 1 eliminates the neonatal burst of ecotropic AKR virus producing cells. Fischinger PJ, et al. **Virology** 1982 May;119(1):68–81

Characterization of monoclonal antibodies against the G1 and N proteins of LaCrosse and Tahyna, two California serogroup bunyaviruses. Gonzalez-Scarano F, et al. **Virology** 1982 Jul 15;120(1):42–53

Immunoprecipitable polypeptides specified by varicella-zoster virus. Grose C, et al. **Virology** 1982 Apr 15;118(1):86–95

Immunoprecipitation of Marek's disease virus-specific polypeptides with chicken antibodies purified by affinity chromatography. Ikuta K, et al. **Virology** 1981 Oct 15; 114(1):277–81

The interactionof antiody with the major surface glycoprotein of vesicular stomatitis virus. I. Analysis of neutralizing epitopes with monoclonal antibodies. Lefrancios L, et al. **Virology** 1982 Aug;121(1):157–67

The interaction of antibody with the major surface glycoprotein of vesicular stomatitis virus. II. Monoclonal antibodies of nonneutralizing and cross-reactive epitopes of Indiana and New Jersey serotypes. Lefrancois L, et al. **Virology** 1982 Aug;121(1):168–74

Topographical analysis of viral epitopes using monoclonal antibodies: mechanism of virus neutralization. Massey RJ, et al. **Virology** 1981 Nov;115(1):20–32

Amplified expression of murine leukemia virus (MuLV)-coded antigens on thymocytes and leukemia cells of AKR mice after infection by dualtropic (MCF) MuLV. O'Donnell PV, et al. **Virology** 1982 Jun;119(2):450–64

Structural domains of endogenous murine leukemia virus gp70s containing specific antigenic determinants defined by monoclonal antibodies. Pinter A, et al. **Virology** 1982 Jan 30;116(2):499–516

The HN glycoprotein of Sendai virus: analysis of site(s) involved in hemagglutinating and neuraminidase activities. Portner A. **Virology** 1981 Dec;115(2):375–84

Evidence for the presence of repeating antigenic determinants in the major polypeptides derived from hepatitis B surface antigen. Sanchez Y, et al. **Virology** 1981 Oct 15; 114(1):71–80

A monoclonal antibody detecting the adenovirus type 5-E1b-58Kd tumor antigen: characterization of the E1b-58Kd tumor antigen in adenovirus-infected and -transformed cells. Sarnow P, et al. **Virology** 1982 Jul 30; 120(2):510–7

Identification of a primate cytomegalovirus group-common protein antigen. Weiner D, et al. **Virology** 1981 Nov; 115(1):182–91

p65 of Gazdar murine sarcoma viruses contains antigenic determinants from all four of the murine leukemia virus (MuLV) gag polypeptides (p15, p12, p30, and p10) and can be cleaved in vitro by the MuLV proteolytic activity. Yoshinaka Y, et al. **Virology** 1982 Apr 30;118(2):380–8

Differences in reaction behaviour of structural polypeptides of bovine viral diarrhoea virus (BVDV) with antisera against BVDV and hog cholera virus (HCV). Matthaeus W. **Zentralbl Veterinarmed [B]** 1981;28(2):126–32

[The use of internal protein of equine influenza virus in fluorescence antibody test for rapid diagnosis of influenza (author's transl)] Wang HM. **Chung Hua I Hsueh Tsa Chih** 1982 Apr;62(4):218–20 (Eng. Abstr.) **(Chi)**

[Antibodies to EB viral capsid antigen in rhesus monkey sera (author's transl)] Liang WS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Dec; 2(4):281 **(Chi)**

[Structural polypeptide VP1 in poliovirus type 1 induced by neutralizing antibodies] Blondel B, et al. **C R Seances Acad Sci [III]** 1982 Jan 11;294(2):91–4 (Eng. Abstr.) **(Fre)**

[Subacute viral infection in the central nervous system — subacute sclerosing panencephalitis] Sato T. **Nippon Rinsho** 1981 Jun;39(6):2303–7 (21 ref.) **(Jpn)**

[Development of highly sensitive methods of detecting antibodies to structural proteins of bovine leukemia virus] Grinenko NF, et al. **Vestn Akad Med Nauk SSSR** 1981; (5):26–30 (Eng. Abstr.) **(Rus)**

[Incorporation of influenza virus antigens into the envelope of the avian oncornavirus] Migunova BV, et al. **Vopr Onkol** 1981;27(10):63–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Expression of herpes simplex virus type 2 antigens in premalignant and malignant human vulvar cells. Cabral GA, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):611–9

Purification of measles virus H polypeptide and of F polypeptide. Christie M, et al. **Arch Virol** 1981; 69(3–4):177–87

Localization of viral protein in avian-encephalomyelitis-virus-infected hens. Miyamae T. **Avian Dis** 1981 Oct–Dec;25(4):1065–9

Specificity of the bacteriophage PBS2 induced inhibitor of uracil-DNA glycosylase. Karran P, et al. **Biochemistry** 1981 Oct 13;20(21):6092–6

Purification of HN glycoprotein of Sendai virus. Caliò N, et al. **Boll Ist Sieroter Milan** 1981;60(1):1–8

Purification, properties and assembly of the neck-appendage protein of the Bacillus subtilis phage phi 29. Villanueva N, et al. **Eur J Biochem** 1981 Jul;117(3):499–505

Selective extraction of biologically active F-glycoprotein from dithiothreitol reduced Sendai virus particles. Tomasi M, et al. **FEBS Lett** 1981 Aug 31;131(2):381–5

The transformation-specific protein pp60src from an avian sarcoma virus. Moelling K, et al. **Hamatol Bluttransfus** 1981;26:405–8

PRCII, a representative of a new class of avian sarcoma viruses. Vogt PK, et al. **Hamatol Bluttransfus** 1981;26:424–8

Immunochemical identification of viral and nonviral proteins of the respiratory syncytial virus virion. Fernie BF, et al. **Infect Immun** 1982 Jul;37(1):243–9

Genetic transformation in Staphylococcus aureus: isolation and characterization of a competence-conferring factor from bacteriophage 80 alpha lysates. Birmingham VA, et al. **J Bacteriol** 1981 Oct;148(1):301–7

Genetic transformation in Staphylococcus aureus: demonstration of a competence-conferring factor of bacteriophage origin in bacteriophage 80 alpha lysates. Thompson NE, et al. **J Bacteriol** 1981 Oct;148(1):294–300

Purification of the bacteriophage lambda xis gene product required for lambda excisive recombination. Abremski K, et al. **J Biol Chem** 1982 Aug 25;257(16):9658–62

Synthesis and assembly of membrane glycoproteins. Membrane anchoring COOH-terminal domain of vesicular stomatitis virus envelope glycoprotein G contains fatty acids. Capone J, et al. **J Biol Chem** 1982 Jan 10;257(1):16–9

Purification and properties of a transcriptional activator. The cII protein of phage lambda. Ho Y, et al. **J Biol Chem** 1982 Aug 10;257(15):9128–34

Purification of measles virus glycoproteins and their integration into artificial lipid membranes. Casali P, et al. **J Gen Virol** 1981 May;54(Pt 1):161–71

DNA-binding proteins in frog virus 3-infected cells. Goorha R. **J Gen Virol** 1981 Sep;56(Pt 1):131–40

Polypeptides of infectious bronchitis virus. I. Polypeptides of the virion. Lomniczi B, et al. **J Gen Virol** 1981 Jul;55(Pt 1):155–64

Electrophoretic separation of influenza virus ribonucleoproteins. Rees PJ, et al. **J Gen Virol** 1981 Mar; 53(Pt 1):125–32

Cleavage of Rauscher leukaemia virus (R-MuLV) Pr65gag by the Moloney leukaemia virus (M-MuLV) proteolytic activity produces the R-MuLV-specific but not the M-MuLV-specific 40 000 dalton intermediate polypeptide. Yoshinaka Y, et al. **J Gen Virol** 1981 May;54(Pt 1):33–8

Gene 20 product of bacteriophage T4 its purification and structure. Driedonks RA, et al. **J Mol Biol** 1981 Nov 15; 152(4):641–62

Herpesvirus sylvilagus I. Polypeptides of virions and nucleocapsids. Cohrs R, et al. **J Virol** 1982 Mar; 41(3):1063–72

Identification of some bacteriophage T4 prereplicative proteins on two-dimensional gel proteins. Cook KS, et al. **J Virol** 1982 Jun;42(3):767–72

Purification of glycoprotein gD of herpes simplex virus types 1 and 2 by use of monoclonal antibody. Eisenberg RJ, et al. **J Virol** 1982 Mar;41(3):1099–1104

Identification and purification of a protein encoded by the human adenovirus type 2 transforming region. Green M, et al. **J Virol** 1982 Apr;42(1):30–41

Bovine coronavirus structural proteins. King B, et al. **J Virol** 1982 May;42(2):700–7

Induction of a new ribonucleotide reductase after infection of mouse L cells with pseudorabies virus. Lankinen H, et al. **J Virol** 1982 Mar;41(3):893–900

Isolation and comparative biochemical properties of the major internal polypeptides of equine infectious anemia virus. Montelaro RC, et al. **J Virol** 1982 Jun;42(3):1029–38

Filamentous structures associated with Epstein-Barr virus-infected cells. Moore CL, et al. **J Virol** 1982 Jul; 43(1):305–13

Nonstructural proteins of herpes simplex virus. II. Major virus-specific DNa-binding protein. Powell KL, et al. **J Virol** 1981 Sep;39(3):894–902

Second-step transfer of bacteriophage T5 DNA: purification and characterization of the T5 gene A2 protein. Snyder CE Jr, et al. **J Virol** 1981 Oct;40(1):248–57

Characterization of a polypeptide present in herpes simplex virus type 2-transformed and -infected hamster embryo cells. Suh M. **J Virol** 1982 Mar;41(3):1095–8

Lectin affinity chromatography of Sindbis and Rous sarcoma virus glycopeptides and oligosaccharides. Hunt LA. **J Virol Methods** 1982 May;4(4–5):283–95

Isolation of the major envelope glycoprotein of avian myeloblastosis virus. Marciani DJ. **Methods Enzymol** 1982; 83 Pt D:320–6

Scrapie agent contains a hydrophobic protein. Prusiner SB, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6675–9

Reversible chemical modification of the scrapie agent. McKinley MP, et al. **Science** 1981 Dec 11; 214(4526):1259–61

Identification of a 39,000-dalton protein in cells transformed by the FBJ murine osteosarcoma virus. Curran T, et al. **Virology** 1982 Jan 15;116(1):221–35

A nucleoprotein complex in bacteria infected with PF1 filamentous virus: identification and electron microscopic analysis. Gray CW, et al. **Virology** 1982 Jan 15;116(1):40–52

A nucleoprotein complex in bacteria infected with Pfl filamentous virus: isolation and biochemical characterization. Kneale GG, et al. **Virology** 1982 Jan 15; 116(1):53–60

Induction of fibrosarcoma by rat sarcoma virus. Rasheed S, et al. **Virology** 1982 Apr 15;118(1):219–24

Partial purification of SV40 A protein and a related cellular protein from permissive cells. Tegtmeyer P, et al. **Virology** 1981 Nov;115(1):67–74

Localization of some frog virus 3 structural polypeptides. Tripier-Darcy F, et al. **Virology** 1982 Jan 30;116(2):635–40

METABOLISM

Viral proteins and site-specific cleavage. Korant BD, et al. **Acta Biol Med Ger** 1981;40(10–11):1481–8

Antitermination of transcription by the N-gene protein of bacteriophage lambda: recent progress and remaining problems. Greenblatt J. **Ann Microbiol (Paris)** 1982 Mar-Apr;133(2):225–33

Interaction of gene 5 protein with DNA. Holwitt E, et al. **Arch Biochem Biophys** 1982 Apr 1;214(2):792–805

Complete metal ion requirement of influenza virus N1 neuraminidases. Brief report. Carroll SM, et al. **Arch Virol** 1982;71(3):273–7

In vitro complex formation between bacteriophage phi 29 terminal protein and deoxynucleotide. Shih M, et al. **Biochem Biophys Res Commun** 1982 Apr 14;105(3):1031–6

Erythroglycan biosynthesis in K-562 cells. Inhibition of synthesis by tunicamycin and lack of attachment to the G-protein of vesicular-stomatitis virus. Rush JS, et al. **Biochem J** 1981 Jan 1;193(1):361–5

Kinetics of head-tail joining in bacteriophage T4D studied by quasi-elastic light scattering: effects of temperature, pH, and ionic strength. Aksiyote-Benbasat J, et al. **Biochemistry** 1981 Aug 18;20(17):5018–25

Glycosylation of intracellular Sindbis virus glycoproteins. Hakimi J, et al. **Biochemistry** 1982 Apr 27;21(9):2140–5

Interactions of wild-type and mutant M protein of vesicular stomatitis virus with viral nucleocapsid and envelope in intact virions. Evidence from [125I]iodonaphthyl azide labeling and specific cross-linking. Mancarella DA, et al. **Biochemistry** 1981 Nov 24;20(24):6872–7

Phosphorus-31 and fluorine-19 nuclear magnetic resonance of gene 5 protein-oligonucleotide complexes. O'Connor TP, et al. **Biochemistry** 1982 Mar 2;21(5):848–54

Role of matrix protein in assembling the membrane of vesicular stomatitis virus: reconstitution of matrix protein with negatively charged phospholipid vesicles. Zakowski JJ, et al. **Biochemistry** 1981 Jun 23;20(13):3902–7

Localization of A protein in the RNA-A protein complex of RNA phage MS2. Shiba T, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):249–55

Alterations of the conformation of the P.NAs of alfalfa mosaic virus upon binding of a few coat protein molecules. Srinivasan S, et al. **Biochim Biophys Acta** 1982 Mar 29; 696(3):260–6

A comparison of the phage T4 gene 32 protein and Escherichia coli RNA polymerase binding sites on hamster papovavirus DNA. Vogel F, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):102–6

The generality of cation-binding sites in rod-shaped viruses. Durham AC, et al. **Biosci Rep** 1981 Jul;1(7):547–53

The stability of early adenovirus mRNA is controlled by the viral 72 kd DNA-binding protein. Babich A, et al. **Cell** 1981 Nov;26(3 Pt 1):371–9

The specific interaction of the Rous sarcoma virus transforming protein, pp60src, with two cellular proteins. Brugge JS, et al. **Cell** 1981 Aug;25(2):363–72

Phosphorylation of vinculin by pp60src: what might it mean? Hynes R. **Cell** 1982 Mar;28(3):437–8

Changes in amino-terminal sequences of pp60src lead to decreased membrane association and decreased in vivo tumorigenicity. Krueger JG, et al. **Cell** 1982 Apr; 28(4):889–96

Instability of the viral M protein in BHK-21 cells persistently infected with Sendai virus. Roux L, et al. **Cell** 1982 Feb; 28(2):293–302

Filamentous phage pre-coat is an integral membrane protein: analysis by a new method of membrane preparation. Russel M, et al. **Cell** 1982 Jan;28(1):177–84

Membrane assembly from purified components. I. Isolated M13 procoat does not require ribosomes or soluble proteins for processing by membranes. Silver P, et al. **Cell** 1981 Aug;25(2):341–5

A mouse homolog to the avian sarcoma virus src protein is a member of a protein kinase cascade. Spector M, et al. **Cell** 1981 Jul;25(1):9–21

Membrane assembly from purified components. II. Assembly of M13 procoat into liposomes reconstituted with purified leader peptidase. Watts C, et al. **Cell** 1981 Aug;25(2):347–53

The morphologic pathway of exocytosis of the vesicular stomatitis virus G protein in cultured fibroblasts. Wehland

J, et al. **Cell** 1982 Apr;28(4):831–41

1H NMR studies of the binding of bacteriophage-M13-encoded gene-5 protein to oligo(deoxyadenylic acid)s of varying length. Alma NC, et al. **Eur J Biochem** 1982 Feb;122(2):319–26

Bacteriophage fd gene-2 protein. Processing of phage fd viral strands replicated by phage T7 enzymes. Harth G, et al. **Eur J Biochem** 1981 Oct;119(3):663–8

The interaction of the A and A* proteins of bacteriophage phi X174 with single-stranded and double-stranded phi X DNA in vitro. van der Ende A, et al. **Eur J Biochem** 1982 May 17;124(2):245–52

Morphological changes in Ehrlich ascites tumor cells during the cell fusion reaction with HVJ (Sendai virus). III. Morphological characterization of HVJ glycoproteins integrated into the plasma membrane and their internalization by coated vesicles. Kim J, et al. **Exp Cell Res** 1982 Jul;140(1):127–36

500 MHz 1H NMR study of the role of lysines and arginines in the binding of gene-5 protein to oligoadenylic acids. Alma NC, et al. **FEBS Lett** 1981 Nov 30;135(1):15–20

Domain structure of bacteriophage fd adsorption protein. Armstrong J, et al. **FEBS Lett** 1981 Nov 30;135(1):167–72

The fate of VPg during in vitro translation of poliovirus RNA. Dorner AJ, et al. **FEBS Lett** 1981 Sep 28; 132(2):219–23

In vitro processing of avian oncovirus precursor polypeptide Pr76gag by virion protein p15. Trávníček M, et al. **Folia Biol (Praha)** 1982;28(3):145–59

Nucleic binding affinity of bacteriophage T4 gene 32 protein in the cooperative binding mode. Bobst AM, et al. **J Biol Chem** 1982 Jun 10;257(11):6184–93

Interaction of Bacillus subtilis RNA polymerase core with two specificity-determining subunits. Competition between sigma and the SPO1 gene 28 protein. Chelm BK, et al. **J Biol Chem** 1982 Jun 10;257(11):6501–8

Covalent affinity labeling by periodate-oxidized [alpha-32P]ATP of the large-T proteins of polyoma and SV40 viruses. Clertant P, et al. **J Biol Chem** 1982 Jun 10; 257(11):6300–5

Effect of energy depletion on the glycosylation of a viral glycoprotein. Datema R, et al. **J Biol Chem** 1981 Nov 10; 256(21):11191–8

Beta protein of bacteriophage lambda promotes renaturation of DNA. Kmiec E, et al. **J Biol Chem** 1981 Dec 25; 256(24):12636–9

A major cytoplasmic glucose-regulated protein is associated with the Rous sarcoma virus pp60src protein. Lanks KW, et al. **J Biol Chem** 1982 Aug 10;257(15):8604–7

Rapid hydrolysis of deoxynucleoside triphosphates accompanies DNA synthesis by T4 DNA polymerase and T4 accessory proteins 44/62 and 45. Roth AC, et al. **J Biol Chem** 1982 Feb 10;257(3):1267–73

Polyoma-like particle: characterization of the DNA encapsidated in vitro by polyoma empty capsids. Slilaty SN, et al. **J Biol Chem** 1982 Jun 10;257(11):6571–5

Interactions between saponin and 146S particles of foot-and-mouth disease virus. Staple RF, et al. **J Biol Stand** 1982 Apr;10(2):147–56

Transient activity of Golgi-like membranes as donors of vesicular stomatitis viral glycoprotein in vitro. Fries E, et al. **J Cell Biol** 1981 Sep;90(3):697–704

Phosphorylation of the nucleoprotein of an avian influenza virus. Almond JW, et al. **J Gen Virol** 1982 Jun;60(Pt 2):295–305

Influenza virus uncoating in infected cells and effect of rimantadine. Bukrinskaya AG, et al. **J Gen Virol** 1982 May; 60(Pt 1):49–59

Cell-free coupling of Newcastle disease virus RNA transcription, translation and Co-translational processing. Content J, et al. **J Gen Virol** 1982 May;60(Pt 1):77–85

Binding of retrovirus-associated protein kinase and proteins to Staphylococcus aureus. Kloetzer WS, et al. **J Gen Virol** 1982 Jun;60(Pt 2):365–70

Proteolytic cleavage of VP1 in 'A' particles of coxsackievirus B3 does not appear to mediate virus uncoating by HeLa cells. McGeady ML, et al. **J Gen Virol** 1981 Aug;55(Pt 2):439–50

Processing of the env gene products of Moloney murine leukaemia virus. Ng VL, et al. **J Gen Virol** 1982 Apr;59(Pt 2):329–43

Phosphorylation of influenza virus nucleoprotein in vivo. Petri T, et al. **J Gen Virol** 1981 Nov;57(Pt 1):185–90

Synthesis of message and genome RNAs in vitro by Sendai virus-infected cell nucleocapsids. Portner A. **J Gen Virol** 1982 May;60(Pt 1):67–75

Coronavirus JHM: a virion-associated protein kinase. Siddell SG, et al. **J Gen Virol** 1981 Feb;52(Pt 2):235–43

Properties of the avian viral protein p12. Sykora KW, et al. **J Gen Virol** 1981 Aug;55(Pt 2):379–91

Lack of correlation between pp60src kinase activity and transformation parameters in cells infected with temperature-conditional mutants of Rous sarcoma virus. Weber MJ, et al. **J Gen Virol** 1981 Feb;52(Pt 2):395–9

Phosphorylation of vesicular stomatitis virus proteins as a possible contributing factor in virion uncoating. Witt DJ, et al. **J Gen Virol** 1981 Oct;56(Pt 2):383–91

Passage of viral membrane proteins through the Golgi complex. Green J, et al. **J Mol Biol** 1981 Nov 15; 152(4):663–98

The nature of the complexes formed between the int protein and DNA. Hamilton D, et al. **J Mol Biol** 1981 Oct 15; 152(1):163–9

Amino acid sequence of the coat protein subunit in satellite tobacco necrosis virus. Henriksson D, et al. **J Mol Biol** 1981 Oct 15;152(1):171–9

Retrovirus gene expression during the cell cycle. I. Virus production, synthesis, and expression of viral proteins in Rauscher murine leukemia virus-infected mouse cells. Balazs I, et al. **J Virol** 1981 Sep;39(3):792–9

Polysome-associated proteins in herpes simplex virus-infected cells. Bartkoski MJ Jr. **J Virol** 1982 Jul; 43(1):357–60

Transformation by avian sarcoma viruses leads to phosphorylation of multiple cellular proteins on tyrosine residues. Beemon K, et al. **J Virol** 1982 May;42(2):742–7

Morphogenesis of bacteriophage phi 29 of Bacillus subtilis: DNA-gp3 intermediate in in vivo and in vitro assembly. Bjornsti MA, et al. **J Virol** 1982 Feb;41(2):508–17

Posttranslational modifications of Sindbis virus glycoproteins: electrophoretic analysis of pulse-chase-labeled infected cells. Bonatti S, et al. **J Virol** 1982 Apr;42(1):64–70

Stable association of viral protein VP1 with simian virus 40 DNA. Brady JN, et al. **J Virol** 1981 Aug;39(2):432–7

Fatty acid modification of Newcastle disease virus glycoproteins. Chatis PA, et al. **J Virol** 1982 Jul;43(1):342–7

Multimeric forms of herpes simplex virus type 2 glycoproteins. Eberle R, et al. **J Virol** 1982 Jan;41(1):348–51

Carboxy-terminal analysis of poliovirus proteins: termination of poliovirus RNA translation and location of unique poliovirus polyprotein cleavage sites. Emini EA, et al. **J Virol** 1982 Apr;42(1):194–9

Proteolytic enhancement of rotavirus infectivity: molecular mechanisms. Estes MK, et al. **J Virol** 1981 Sep;39(3):879–88

Protein kinase and specific phosphate acceptor proteins associated with tupaia herpesvirus. Flügel RM, et al. **J Virol** 1982 Aug;43(2):410–5

Late nonstructural 100,000- and 33,000-dalton proteins of adenovirus type 2. I. Subcellular localization during the course of infection. Gambke C, et al. **J Virol** 1981 Nov; 40(2):585–93

Specificity and localization of the hepatitis B virus-associated protein kinase. Gerlich WH, et al. **J Virol** 1982 Jun; 42(3):761–6

Small reovirus particle composed solely of sigma NS with specificity for binding different nucleic acids. Gomatos PJ, et al. **J Virol** 1981 Jul;39(1):115–24

Insertion of influenza M protein into the viral lipid bilayer and localization of site of insertion. Gregoriades A, et al. **J Virol** 1981 Oct;40(1):323–8

Rous sarcoma virus mutant LA3382 is defective in virion glycoprotein assembly. Hardwick JM, et al. **J Virol** 1981 Dec;40(3):752–61

DNA-processing activities associated with the purified alpha, beta 2, and alpha beta molecular forms of avian sarcoma virus RNA-dependent DNA polymerase. Hizi A, et al. **J Virol** 1982 Mar;41(3):974–81

Shedding of vesicular stomatitis virus soluble glycoprotein by removal of carboxy-terminal peptide. Irving RA, et al. **J Virol** 1982 Apr;42(1):322–5

Definition of a series of stages in the association of two herpesviral proteins with the cell nucleus. Knipe DM, et al. **J Virol** 1982 Jul;43(1):314–24

DNA polymerase requirements for parvovirus H-1 DNA replication in vitro. Kollek R, et al. **J Virol** 1982 Mar; 41(3):982–9

Cleavage sites within the poliovirus capsid protein precursors. Larsen GR, et al. **J Virol** 1982 Jan;41(1):340–4

Relationships among virus spread, cytopathogenicity, and virulence as revealed by the noncytopathic mutants of Newcastle disease virus. Madansky CH, et al. **J Virol** 1981 Dec;40(3):691–702

Poliovirus morphogenesis. I. Identification of 80S dissociable particles and evidence for the artifactual production of procapsids. Marongiu ME, et al. **J Virol** 1981 Aug; 39(2):341–7

In vitro proteolytic cleavage of Gazdar murine sarcoma virus p65gag. Maxwell S, et al. **J Virol** 1981 Sep;39(3):963–7

In vitro reassembly of vesicular stomatitis virus skeletons. Newcomb WW, et al. **J Virol** 1982 Mar;41(3):1055–62

Effect of tunicamycin on the synthesis of herpes simplex virus type 1 glycoproteins and their expression on the cell surface. Norrild B, et al. **J Virol** 1982 Aug;43(2):395–402

Adsorption of Rous sarcoma virus to genetically susceptible and resistant chicken cells studied by laser flow cytometry. Notter MF, et al. **J Virol** 1982 Mar;41(3):958–64

Evidence for intramolecular self-cleavage of picornaviral replicase precursors. Palmenberg AC, et al. **J Virol** 1982 Jan;41(1):244–9

Herpesvirus glycoprotein synthesis and insertion into plasma membranes. Peake ML, et al. **J Virol** 1982 May; 42(2):678–90

Role of p60src kinase activity in the induction of neuroretinal cell proliferation by rous sarcoma virus. Poirier F, et al. **J Virol** 1982 Jun;42(3):780–9

Discrete regions of simian virus 40 large T antigen are required for nonspecific and viral origin-specific DNA binding. Prives C, et al. **J Virol** 1982 Jul;43(1):73–82

Evidence the pp60src, the product of the Rous sarcoma virus src gene, undergoes autophosphorylation. Purchio AF. **J Virol** 1982 Jan;41(1):1–7

Poliovirus empty capsid morphogenesis: evidence for conformational differences between self- and extract-assembled empty capsids. Putnak JR, et al. **J Virol** 1982 Mar;41(3):792–800

Delayed appearance of pseudotypes between vesicular stomatitis virus influenza virus during mixed infection of MDCK cells. Roth MG, et al. **J Virol** 1981 Dec; 40(3):848–60

Removal of the genome-linked protein of foot-and-mouth disease virus by rabbit reticulocyte lysate. Sangar DV, et al. **J Virol** 1981 Jul;39(1):67–74

Maturation of the envelope glycoproteins of Newcastle disease virus on cellular membranes. Schwalbe JC, et al. **J Virol** 1982 Mar;41(3):947–57

Phosphorylation and metabolism of the transforming protein of Rous sarcoma virus. Sefton BM, et al. **J Virol** 1982 Mar; 41(3):813–20

Detection and characterization of agarose-binding, capsid-like particles produced during assembly of a bacteriophage T7 procapsid. Serwer P, et al. **J Virol** 1982 May;42(2):583–94

Function of an internal bacteriophage T7 core during assembly of a T7 procapsid. Serwer P, et al. **J Virol** 1982 May;42(2):595–601

Escherichia coli mutant which restricts T7 bacteriophage has an altered RNA polymerase. Shanblatt SH, et al. **J Virol** 1982 Jun;42(3):1123–6

Cleavage of the capsid protein precursors of encephalomyocarditis virus in rabbit reticulocyte lysates. Shih CY, et al. **J Virol** 1981 Dec;40(3):942–5

Effects of monensin on morphogenesis and infectivity of Friend murine leukemia virus. Srinivas RV, et al. **J Virol** 1982 Jun;42(3):1067–75

Molecular genetics of herpes simplex virus. V. Characterization of a mutant defective in ability to form plaques at low temperatures and in a viral fraction which prevents accumulation of coreless capsids at nuclear pores late in infection. Tognon M, et al. **J Virol** 1981 Dec; 40(3):870–80

Two large virion envelope glycoproteins mediate Epstein-Barr virus binding to receptor-positive cells. Wells A, et al. **J Virol** 1982 Jan;41(1):286–97

Phosphorylation of the Abelson murine leukemia virus transforming protein. Witte ON, et al. **J Virol** 1981 Sep; 39(3):870–8

A rapid bioassay to monitor murine leukemia virus infection in mice using cellular gp 71 binding. Reed CD, et al. **J Virol Methods** 1982 May;4(4–5):209–17

Synthesis and assembly of transmembrane viral and cellular glycoproteins. Lodish HF, et al. **Methods Cell Biol** 1981; 23:5–25 (52 ref.)

Analysis of the inhibitory effect of canavanine on the replication of influenza RI/5+ virus. II. Interaction of M protein with the plasma membrane. Aoki H, et al. **Microbiol Immunol** 1981;25(12):1279–89

Assembly of paramyxoviruses. Matsumoto T. **Microbiol Immunol** 1982;26(4):285–320 (227 ref.)

Tyrosine phosphorylation of a 50K cellular polypeptide associated with the Rous sarcoma virus transforming protein pp60src. Gilmore TD, et al. **Mol Cell Biol** 1982 Feb;2(2):199–206

Half-life of the Rous sarcoma virus transforming protein pp60src and its associated kinase activity. Ziemiecki A, et al. **Mol Cell Biol** 1982 Apr;2(4):355–60

Nuclear localization and DNA binding of the transforming gene product of avian myelocytomatosis virus. Donner P, et al. **Nature** 1982 Mar 18;296(5854):262–9

Polycythaemia- and anaemia-inducing strains of spleen focus-forming virus differ in post-translational processing of envelope-related glycoproteins. Ruscetti SK, et al. **Nature** 1981 Dec 17;294(5842):663–5

Sequence specificity of trinucleoside diphosphate binding to polymerized tobacco mosaic virus protein. Steckert JJ, et al. **Nature** 1982 Sep 2;299(5878):32–6

The high affinity binding site on polyoma virus DNA for the viral large-T protein. Gaudray P, et al. **Nucleic Acids Res** 1981 Nov 11;9(21):5697–710

Enzymatic properties of the bacteriophage phi X174 A protein on superhelical phi X174 DNA: a model for the termination of the rolling circle DNA replication. van der Ende A, et al. **Nucleic Acids Res** 1981 May 11;9(9):2037–53

Morphogenesis of phi X174: in vitro synthesis of infectious phage from purified viral components. Aoyama A, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7285–9

H-2Kk and vesicular stomatitis virus G proteins are not extensively associated in reconstituted membranes recognized by T cells. Cartwright GS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1506–10

Adenovirus DNA replication in vitro: purification of the terminal protein in a functional form. Enomoto T, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6779–83

Reconstitution of rods from tobacco mosaic virus protein and RNA modified with bulky carcinogens. Fraenkel-Conrat H, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2541–3

Cleavage of four avian sarcoma virus polyproteins with virion protease p15 removes gag sequences and yields large fragments that function as tyrosine phosphoacceptors in vitro. Ghysdael J, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5847–51

Sequence-specific antibodies show that maturation of Moloney leukemia virus envelope polyprotein involves removal of a COOH-terminal peptide. Green N, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6023–7

Differential immunologic reactivity and processing of

glycoproteins gA and gB of herpes simplex virus types 1 and 2 made in Vero and HEp-2 cells. Pereira L, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):5202-6

Cytosolic malic dehydrogenase activity is associated with a putative substrate for the transforming gene product of Rous sarcoma virus. Rübsamen H, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):228-32

Binding to selected regions of reovirus mRNAs by a nonstructural reovirus protein. Stamatos NM, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3457-61

Role of two of the influenza virus core P proteins in recognizing cap 1 structures (m7GpppNm) on RNAs and in initiating viral RNA transcription. Ulmanen I, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7355-9

The mechanism of bacteriophage DNA encapsidation. Black LW. **Prog Clin Biol Res** 1981;64:97-110

Studies of the mechanism of bacteriophage T4 DNA encapsidation. Black LW, et al. **Prog Clin Biol Res** 1981; 64:111-26

In vitro studies on the bacteriophage P2 terminase system. Bowden DW, et al. **Prog Clin Biol Res** 1981;64:223-30

Comments on filamentous phage assembly. Dunker AK. **Prog Clin Biol Res** 1981;64:383-8

Bacteriophage lambda and 21 packaging specificities. Feiss M, et al. **Prog Clin Biol Res** 1981;64:213-22

Bacteriophage lambda prohead assembly: assembly of biologically active precollars in vitro. Ferrucci F, et al. **Prog Clin Biol Res** 1981;64:193-212

Studies on factors involved in in vitro packaging of phage T3 dna. Fujisawa H, et al. **Prog Clin Biol Res** 1981; 64:239-52

Structure of filamentous bacteriophage: isolation, characterization, and localization of the minor coat proteins and orientation of the DNA. Grant RA, et al. **Prog Clin Biol Res** 1981;64:413-28

Defective packing of an unusual DNA in a virulent Erwinia phage, Erh 1. Kozloff LM, et al. **Prog Clin Biol Res** 1981; 64:253-69

Filamentous phage assembly: membrane insertion of the major coat protein. Model P, et al. **Prog Clin Biol Res** 1981;64:389-400

Bacteriophage T4 head assembly. In vivo characterisation of the morphopoietic core. Traub F, et al. **Prog Clin Biol Res** 1981;64:127-37

Polymerization of Escherichia coli bacteriophage T4D short tail fibers into filaments and filament bundles. Zorzopulos J, et al. **Prog Clin Biol Res** 1981;64:343-51

Cap-recognizing protein of influenza virus. Blaas D, et al. **Virology** 1982 Jan 15;116(1):339-48

Kinetics of incorporation of Sendai virus proteins into host plasma membranes and virions. Bowen HA, et al. **Virology** 1982 Aug;121(1):1-11

Inhibition of RNA synthesis following proteolytic cleavage of Newcastle disease virus P protein. Chinchar VG, et al. **Virology** 1981 Nov;115(1):192-202

Synthesis and processing of sindbis virus nonstructural proteins in vitro. Collins PL, et al. **Virology** 1982 Apr 30; 118(2):363-79

Identification of a catalytic activity of the large basic P polypeptide of influenza virus. Horisberger MA. **Virology** 1982 Jul 30;120(2):279-86

Temperature-sensitive B mutants of SV40 disassemble intracellular encapsidation particles at elevated temperature. Jakobovits EB, et al. **Virology** 1982 Aug; 121(1):95-106

Glycoprotein processing in mutants of HSV-1 that induce cell fusion. Person S, et al. **Virology** 1982 Mar; 117(2):293-306

Acylation of viral spike glycoproteins: a feature of enveloped RNA viruses. Schmidt MF. **Virology** 1982 Jan 15; 116(1):327-38

Cleavage sites in the polypeptide precursors of poliovirus protein P2-X. Semler BL, et al. **Virology** 1981 Oct 30; 114(2):589-94

Binding of dephosphorylated A protein to SV40 DNA. Shaw SB, et al. **Virology** 1981 Nov;115(1):88-96

Biochemical characterization of protein kinase activities associated with transforming gene products of the Snyder-Theilen and Gardner-Arnstein strains of feline sarcoma virus. Snyder HW Jr. **Virology** 1982 Feb; 117(1):165-72

Intermolecular association of HANA glycoprotein of Sendai virus in relation to the expression of biological activities. Sugawara KE, et al. **Virology** 1982 Mar;117(2):444-55

Alternative interactions of the SV40 A protein with DNA. Tegtmeyer P, et al. **Virology** 1981 Nov;115(1):75-87

Different histone families in intracellular SV40 nucleoprotein complexes with respect to the acetylation turnover. Vesco C, et al. **Virology** 1982 Apr 30;118(2):389-400

The core protein of the alphavirus Sindbis virus assembles into core-like nucleoproteins with the viral genome RNA and with other single-stranded nucleic acids in vitro. Wengler G, et al. **Virology** 1982 Apr 30;118(2):401-10

In vitro phosphorylation of murine leukemia virus proteins: specific phosphorylation of Pr65gag, the precursor of the internal core antigens. Yoshinaka Y, et al. **Virology** 1982 Jan 15;116(1):181-95

[Formaldehyde-induced tight binding of protein to RNA in particles of rod-like viruses. Nature and specificity of the crosslinks] Kiseleva NP, et al. **Biokhimiia** 1981 Nov; 46(11):2019-23 (Eng. Abstr.) **(Rus)**

[Interactions of gene 5 protein of bacteriophage f1 with oligonucleotides of a certain composition and sequence] Veiko NN, et al. **Mol Biol (Mosk)** 1981 Nov-Dec; 15(6):1385-96 (Eng. Abstr.) **(Rus)**

[Hormone-dependent process of the maturation of the major structural proteins of the mouse mammary tumor virus] Beriashvili MM, et al. **Vopr Virusol** 1982 Jan-Feb;(1):34-8 (Eng. Abstr.) **(Rus)**

[Modification of the parent influenza virus nucleocapsid protein in infected cells] Vorkunova GK, et al. **Vopr Virusol** 1981 May-Jun;(3):289-97 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Microinjection of arginase into enzyme-deficient cells with the isolated glycoproteins of Sendai virus as fusogen. Kruse CA, et al. **Biochim Biophys Acta** 1981 Jul 20;645(2):339-45

Bilayer acyl chain dynamics and lipid-protein interaction: the effect of the M13 bacteriophage coat protein on the decay of the fluorescence anisotropy of parinaric acid. Wolber PK, et al. **Biophys J** 1982 Jan;37(1):253-62

Purified glycoproteins of Sendai virus envelope affect human erythrocyte membrane fluidity. Caliò R, et al. **Boll Ist Sieroter Milan** 1981;60(6):463-7

pp60src-Dependent increase in adenosine-stimulated cAMP formation. Howard RF, et al. **Exp Cell Res** 1982 Jun; 139(2):436-9

Further studies on anti-tumor activity of adenovirus fibre protein on murine sarcoma tumours. Khoobyarian N. **J Gen Virol** 1981 Feb;52(Pt 2):377-80

PHYSIOLOGY

Analysis of the functions of coronavirus glycoproteins by differential inhibition of synthesis with tunicamycin. Holmes KV, et al. **Adv Exp Med Biol** 1981;142:133-42

Characterization of the phage lambda regulatory protein cII. Ho Y, et al. **Ann Microbiol (Paris)** 1982 Mar-Apr; 133(2):215-8

Molecular basis of reovirus virulence. Fields BN. **Arch Virol** 1982;71(2):95-107 (44 ref.)

The structure of the Rous sarcoma virus glycoprotein complex: in vitro phenotypic mixing of rous sarcoma virus. Pauli G, et al. **Arch Virol** 1982;71(2):141-8

19F nuclear magnetic resonance studies of the coat protein of bacteriophage M13 in synthetic phospholipid vesicles and deoxycholate micelles. Dettman HD, et al. **Biophys J** 1982 Jan;37(1):243-51

Membrane phosphorylation: a crucial role in the action of insulin, EGF, and pp60src? Houslay MD. **Biosci Rep** 1981 Jan;1(1):19-34 (108 ref.)

Disulfide bonds protect the encapsidated chromosomes of Simian virus 40. Ng SC, et al. **FEBS Lett** 1981 Jul 20; 130(1):47-9

Effect of the lambda S gene product on properties of the Escherichia coli inner membrane. Wilson DB. **J Bacteriol** 1982 Sep;151(3):1403-10

Murine cytomegalovirus particle types in relation to sources of virus and pathogenicity. Chong KT, et al. **J Gen Virol** 1981 Dec;57(Pt 2):415-9

Effect of a mutation in the VSV G protein on the synthesis and maturation of nucleocapsids. Marnell LL, et al. **J Gen Virol** 1982 May;60(Pt 1):165-9

Ultraviolet-irradiated vesicular stomatitis virus and defective-interfering particles are similar non-specific inhibitors of virus infection. Miller DK, et al. **J Gen Virol** 1982 Jun;60(Pt 2):327-33

Evidence for the involvement of influenza A (fowl plague Rostock) virus protein P2 in ApG and mRNA primed in vitro RNA synthesis. Nichol ST, et al. **J Gen Virol** 1981 Dec;57(Pt 2):407-13

Effect of defective phages on the cell membrane of Bacillus subtilis and partial characterization of the phage protein involved in killing. Steensma HY. **J Gen Virol** 1981 Oct; 56(Pt 2):275-86

Leakage induced in Escherichia coli cells by A protein-RNA complexes from bacteriophage f2. Cody JD, et al. **J Virol** 1981 Jul;39(1):60-6

Adenovirus type 5 virions can be assembled in vivo in the absence of detectable polypeptide IX. Colby WW, et al. **J Virol** 1981 Sep;39(3):977-80

Evidence for an internal component of the bacteriophage T4D tail core: a possible length-determining template. Duda RL, et al. **J Virol** 1982 Aug;43(2):714-20

Intracellular ribonucleoprotein complexes of visna virus are infectious. Filippi P, et al. **J Virol** 1982 Jun;42(3):1057-66

Site-specific phosphorylation regulates the transcriptive activity of vesicular stomatitis virus NS protein. Hsu CH, et al. **J Virol** 1982 Jul;43(1):104-12

Rescue of first-step-transfer amber mutants by 'second-step-transfer-blocked' bacteriophage T5 on an su- strain. Hulen C, et al. **J Virol** 1981 Nov;40(2):602-4

Dual functions of bacteriophage T4D gene 28 product: structural component of the viral tail baseplate central plug and cleavage enzyme for folyl polyglutamates. I. Identification of T4D gene 28 product in the tail plug. Kozloff LM, et al. **J Virol** 1981 Dec;40(3):635-44

Bacteriophage T4 alc gene product: general inhibitor of transcription from cytosine-containing DNA. Kutter EM, et al. **J Virol** 1981 Dec;40(3):822-9

Mapping of an adenovirus function involved in the inhibition of DNA degradation. Lai Fatt RB, et al. **J Virol** 1982 Jun; 42(3):969-77

Modification of RNA polymerase from Escherichia coli by pre-early gene products of bacteriophage T5. McCorquodale DJ, et al. **J Virol** 1981 Dec;40(3):958-62

Role of the vesicular stomatitis virus matrix protein in maintaining the viral nucleocapsid in the condensed form found in native virions. Newcomb WW, et al. **J Virol** 1981 Jul;39(1):295-9

In vitro reassembly of vesicular stomatitis virus skeletons. Newcomb WW, et al. **J Virol** 1982 Mar;41(3):1055-62

In vitro synthesis of triphosphate-initiated N-gene mRNA oligonucleotides is regulated by the matrix protein of vesicular stomatitis virus. Pinney DF, et al. **J Virol** 1982 Jun;42(3):897-904

Host Susceptibility to endogenous viruses: defective, glycoprotein-expressing proviruses interfere with infections. Robinson HL, et al. **J Virol** 1981 Dec; 40(3):745-51

Biochemical analysis of the p30's of N-, B-, and B leads to NB-tropic murine leukemia viruses of BALB/c origin. Schindler J, et al. **J Virol** 1981 Sep;39(3):703-12

Function of an internal bacteriophage T7 core during assembly of a T7 procapsid. Serwer P, et al. **J Virol** 1982 May;42(2):595-601

Monoclonal antibodies to the influenza A virus nucleoprotein affecting RNA transcription. van Wyke KL, et al. **J Virol** 1981 Jul;39(1):313-7

Monoclonal antibody to spleen focus-forming virus-encoded gp52 provides a probe for the amino-terminal region of retroviral envelope proteins that confers dual tropism and xenotropism. Wolff L, et al. **J Virol** 1982 Aug;43(2):472-81

Viral glycoproteins as determinants of pathogenicity. Klenk HD, et al. **Med Microbiol Immunol (Berl)** 1982; 170(3):145-53

Effects of bacteriophage f1 gene III protein on the host cell membrane. Boeke JD, et al. **MGG** 1982;186(2):185-92

Enzymatic synthesis of bacteriophage fd viral DNA. Meyer TF, et al. **Nature** 1982 Apr 29;296(5860):828-32

An Epstein—Barr virus early protein induces cell fusion. Bayliss GJ, et al. **Proc Natl Acad Sci USA** 1981 Nov; 78(11):7162-5

Changes in the conformation of influenza virus hemagglutinin at the pH optimum of virus-mediated membrane fusion. Skehel JJ, et al. **Proc Natl Acad Sci USA** 1982 Feb; 79(4):968-72

Interactions between the maturation protein gp17 and the single-stranded DNA binding protein gp32 initiate DNA packaging and compete with initiation of secondary DNA replication forks in phage T4. Mosig G, et al. **Prog Clin Biol Res** 1981;64:139-50

Biogenesis of vaccinia: involvement of spicules of the envelope during virion assembly examined by means of conditional lethal mutants and serology. Essani K, et al. **Virology** 1982 Apr 30;118(2):279-92

Characterization of monospecific antisera against all five vesicular stomatitis virus-specific proteins: anti-L and anti-NS inhibit transcription in vitro. Harmon SA, et al. **Virology** 1982 Jul 15;120(1):194-204

A virion-associated glycoprotein essential for infectivity of herpes simplex virus type 1. Little SP, et al. **Virology** 1981 Nov;115(1):149-60

A Sindbis virus mutant temperature-sensitive in the regulation of minus-strand RNA synthesis. Sawicki SG, et al. **Virology** 1981 Nov;115(1):161-72

Two polyoma virus gene functions involved in the expression of the transformed phenotype in FR 3T3 rat cells. II. The presence of the 56K middle-T protein in the cell membrane is not sufficient for maintenance. Trejo-Avila L, et al. **Virology** 1981 Oct 30;114(2):501-6

RADIATION EFFECTS

The structure of adenovirion chromatin revealed by ultraviolet light-induced cross-linking. Sato K, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1318-23

Modification of the poliovirus capsid by ultraviolet light. De Sena J, et al. **Can J Microbiol** 1981 Nov;27(11):1185-93

U.V.-enhanced reactivation of capsid protein synthesis and infectious centre formation in mouse cells infected with U.V.-irradiated Minute-Virus-of-Mice. Yu LZ, et al. **Int J Radiat Biol** 1982 Feb;41(2):119-26

Specific cross-linking of capsid proteins to virus RNA by ultraviolet irradiation of poliovirus. Wetz K, et al. **J Gen Virol** 1982 Apr;59(Pt 2):397-401

[RNA-protein interactions in influenza virus A ribonucleoprotein detected by UV radiation] Kolodkina VL, et al. **Vopr Virusol** 1981 Nov-Dec;(6):688-92 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Cloned viral protein vaccine for foot-and-mouth disease: responses in cattle and swine. Kleid DG, et al. **Science** 1981 Dec 4;214(4525):1125-9

VIRAL VACCINES

The launching of a cytomegalovirus vaccine. Hanshaw JB. **Am J Dis Child** 1982 Apr;136(4):291-2

Marek's disease in turkeys: lack of protection by vaccination. Elmubarak AK, et al. **Am J Vet Res** 1982 Apr;43(4):740-2

Immunogenicity of bivalent vaccine for reproductive failure of swine induced by pseudorabies virus and porcine parvovirus. Mengeling WL, et al. **Am J Vet Res** 1981 Apr;

42(4):600–3
Immunogenicity of a subviral herpes simplex type 1 preparation: reduction of recurrent disease in mice. Slichtová V, et al. **Arch Virol** 1982;71(1):75–8
Canary pox vaccination with live embryo–attenuated virus. Hitchner SB. **Avian Dis** 1981 Oct–Dec;25(4):874–81
Viral respiratory diseases: vaccines and antivirals. Lennette EH. **Bull WHO** 1981;59(3):305–24
Development of a vaccine incorporating killed virus of canine origin for the prevention of canine parvovirus infection. Povey C. **Can Vet J** 1982 Jan;23(1):15–21
Herpes simplex vaccine using cell membrane associated antigen in an animal model. Thornton B, et al. **Dev Biol Stand** 1981;50:201–6
New concepts: vaccines. Rapp F. **Gynecol Oncol** 1981 Oct; 12(2 Pt 2):S341–4
The development of synthetic vaccines. Lerner RA, et al. **Hosp Pract** 1981 Dec;16(12):55–62
Hepatitis vaccines. Ogra FL. **Indian J Pediatr** 1981 Nov–Dec; 48(395):685–8
Administration of a highly attenuated, live respiratory syncytial virus vaccine to adults and children. Wright PF, et al. **Infect Immun** 1982 Jul;37(1):397–400
Vaccination against viral hepatitis. Deinhardt F. **Infection** 1982;10(2):55–7
Vaccine against hepatitis B in children: prevention of hepatitis in a pediatric hemodialysis unit. Nivet H, et al. **Int J Pediatr Nephrol** 1982 Mar;3(1):25–8
Isolation of plaque variants differing in virulence from the 17D strain of yellow fever virus. Liprandi F. **J Gen Virol** 1981 Oct;56(Pt 2):363–70
Effects of vaccination on cytomegalovirus–associated interstitial pneumonia in strain 2 guinea pigs. Bia FJ, et al. **J Infect Dis** 1982 May;145(5):742–7
Cytomegalovirus vaccines [letter] Plotkin SA. **J Infect Dis** 1981 Nov;144(5):494–5
Live attenuated varicella vaccine: immunization of healthy children with the OKA strain. Arbeter AM, et al. **J Pediatr** 1982 Jun;100(6):886–93
New prospects for control of virus diarrhoea in children [editorial] Flewett TH. **J R Soc Med** 1982 Jul;75(7):493–4
The evolution, implications, and applications of the hepatitis B vaccine [editorial] Alter HJ. **JAMA** 1982 Apr 23; 247(16):2272–5
Indications for hepatitis B vaccine [letter] Cohen SN. **JAMA** 1982 Sep 17;248(11):1310
Hepatitis B vaccine. **Med Lett Drugs Ther** 1982 Aug 20; 24(616):75–6
Virus–induced diabetes in mice prevented by a live attenuated vaccine [letter] Notkins AL, et al. **N Engl J Med** 1982 Feb 25;306(8):486
Establishment of an attenuated strain of porcine parvovirus by serial passage at low temperature. Fujisaki Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Spring;22(1):1–7
Immunity to infection with porcine parvovirus in pigs inoculated with the attenuated HT– strain. Fujisaki Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1982 Spring;22(1):36–7
Bovine viral diarrhea virus (BVDV) serotiters stimulated in cattle in isolation and under field conditions by inactivated BVDV vaccine. McClurkin AW, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:223–31
Hepatitis B in haemodialysis: vaccination against HBS antigen. Crosnier J. **Proc Eur Dial Transplant Assoc** 1981; 18:231–40
Benefits, risks and costs of viral vaccines. Koplan JP, et al. **Prog Med Virol** 1982;28:180–91 (32 ref.)
Efficacy of an inactivated feline calicivirus (FCV) vaccine against challenge with United Kingdom field strains and its interaction with the FCV carrier state. Gaskell CJ, et al. **Res Vet Sci** 1982 Jan;32(1):23–6
Oronasal challenge of fattening pigs after vaccination with an inactivated Aujeszky's disease vaccine. Pensaert MB, et al. **Res Vet Sci** 1982 Jan;32(1):12–6
Effect of diluent volumes on the serological efficacy of intranasal bovine herpesvirus 1 strain RLB 106 ts in controlling infectious bovine rhinotracheitis. Burns PM, et al. **Vet Rec** 1981 Dec 5;109(23):515
Vaccination against canine parvovirus disease [letter] Churchill AE. **Vet Rec** 1982 Apr 3;110(14):344
Vaccination against canine parvovirus disease [letter] Folkers C, et al. **Vet Rec** 1982 Mar 6;110(10):235
Comparison of the efficacy of four inactivated infectious bursal disease oil emulsion vaccines. Wyeth PJ, et al. **Vet Rec** 1982 Apr 10;110(15):359–61
[Preparation and testing of a hepatitis B vaccine (author's transl)] Thomssen R, et al. **Dtsch Med Wochenschr** 1982 Jan 29;107(4):125–31 (Eng. Abstr.) **(Ger)**
[Hepatitis B vaccine] Armas Merino R, et al. **Rev Med Chil** 1981 Sep;109(9):911–2 **(Spa)**

ADMINISTRATION & DOSAGE

Canine infectious tracheobronchitis: effects of an intranasal live canine parainfluenza–Bordetella bronchiseptica vaccine on viral shedding and clinical tracheobronchitis (kennel cough). Kontor EJ, et al. **Am J Vet Res** 1981 Oct; 42(10):1694–8
An assessment of the Australian V4 strain of Newcastle disease virus as a vaccine by spray, aerosol and drinking water administration. Ibrahim AL, et al. **Aust Vet J** 1981 Jun;57(6):277–80
Experiments with a combined vaccine for poultry. Nawathe DR, et al. **Bull Anim Health Prod Afr** 1981 Mar;29(1):65–72
Characterization of blood mononuclear cells reacting with K 562 cells after yellow fever vaccination. Fagraeus A, et al. **Cell Immunol** 1982 Feb;67(1):37–48
Hepatitis B vaccine for use in selected populations. **FDA Drug Bull** 1982 Apr;12(1):5
Parenteral administration of live respiratory syncytial virus vaccine: results of a field trial. Belshe RB, et al. **J Infect Dis** 1982 Mar;145(3):311–9
Immunogenic effect of inactivated hepatitis B vaccine: comparison of 20 microgram and 40 microgram doses. Krugman S, et al. **J Med Virol** 1981;8(2):119–21
The immune response of healthy adults to a reduced dose of hepatitis B vaccine. Szmuness W, et al. **J Med Virol** 1981;8(2):123–9
Leukemia patients to be given varicella vaccine [news] Gunby P. **JAMA** 1982 May 7;247(17):2340–1
Response to hepatitis B vaccine in Canadian dental students [letter] Derrick JB, et al. **Lancet** 1982 Jan 23;1(8265):223
Indications for use of hepatitis B vaccine, based on cost–effectiveness analysis. Mulley AG, et al. **N Engl J Med** 1982 Sep 9;307(11):644–52
Antibody response of pigs to foot–and–mouth disease oil emulsion vaccine: the antibody classes involved. Ouldridge EJ, et al. **Res Vet Sci** 1982 May;32(3):327–31
Application of a live varicella vaccine in children with acute leukemia or nephrotic syndrome. Lin TY, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Jul;80(7):683–90
Vaccination with CDF–66 strain of newcastle disease virus. Shukla SC, et al. **Trop Anim Health Prod** 1982 Feb; 14(1):15–9
Difference in protective immunity of the tongue and feet of guinea pigs vaccinated with foot–and–mouth disease virus type A12 following intradermolingual and footpad challenge. Knudsen RC, et al. **Vet Microbiol** 1982 May; 7(2):97–107
Intranasal vaccination of pigs against Aujeszky's disease. 1. Comparison of intranasal and parenteral vaccination with an attenuated vaccine in 12–week–old pigs from immunized dams. de Leeuw PW, et al. **Vet Q** 1982 Apr;4(2):49–56
Use of live and oil emulsion Newcastle disease vaccines on day–old broilers: report on two trials. Robertson WW. **Vet Rec** 1981 Nov 7;109(19):422–4
Aerosol vaccination against Newcastle disease: virus levels in different organs. Yadin H. **Zentralbl Veterinarmed [B]** 1981;28(3):249–56
[Viral vaccines: present and future (author's transl)] Rodhain F. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):733–8 **(Fre)**
[Study on hog cholera–sine erysipelas combined liver vaccine. I. Experimental preparation of combined live vaccine (author's transl)] Eto M, et al. **Igaku Kenkyu** 1980 Aug;50(6):490–4 (Eng. Abstr.) **(Jpn)**
[Study on hog cholera swine erysipelas combined live vaccine. –II. Indoor test of vaccination (author's transl)] Eto M, et al. **Igaku Kenkyu** 1980 Oct;50(7):519–24 (Eng. Abstr.) **(Jpn)**
[Immunological indices of human vaccination against tick–borne encephalitis using inactivated preparations with a varying concentration of the viral antigen] El'bert LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun; (6):89–92 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Reliability of the rabbit pyrogen test and of the limulus test in predicting the pyrogenicity of vaccines in man. Nyerges G, et al. **Acta Med Acad Sci Hung** 1981;38(3):235–43
Reliability of the rabbit pyrogen test and of the limulus test in predicting the pyrogenicity of vaccines in man. Nyerges G et al. **Acta Microbiol Acad Sci Hung** 1981;28(3):235–43
Response of gray foxes to modified live–virus canine distemper vaccines. Halbrooks RD, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1170–4
Vaccination–induced distemper in kinkajous. Kazacos KR, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1166–9
Rift Valley fever virus vaccine trial: study of side–effects in humans. Niklasson B. **Scand J Infect Dis** 1982; 14(2):105–9
[Vaccination of cattle and sheep with M. K. 25] van Golstein Brouwers GW, et al. **Tijdschr Diergeneeskd** 1982 Apr 1; 107(7):273 **(Dut)**
[A case of encephalitis after anti–yellow fever vaccination with the 17 D strain] Louis JJ, et al. **Pediatrie** 1981 Oct–Nov;36(7):547–50 (Eng. Abstr.) **(Fre)**
[Problems of vaccination against herpes viruses (author's transl)] Rickaert F, et al. **Rev Med Brux** 1981 Dec; 2(10):909–15 (Eng. Abstr.) **(Fre)**
[Generalized vaccinia on the burned skin in an infant] Kostrzewski JM. **Wiad Lek** 1982 Jan 1;35(1):75–7 (Eng. Abstr.) **(Pol)**

ANALYSIS

Potential and pitfalls in the use of immunoassays for the quantification of live and inactivated virus using tick–borne encephalitis virus as a model. Heinz FX, et al. **J Biol Stand** 1982 Jan;10(1):25–34
Varicella–zoster virus vaccine DNA differs from the parental virus DNA. Ecker JR, et al. **J Virol** 1981 Oct;40(1):314–8

IMMUNOLOGY

A live attenuated virus vaccine against sheep pox. Sólyom F, et al. **Acta Vet Acad Sci Hung** 1981;28(4):389–98
Hog cholera antibodies in pigs vaccinated with an Aujeszky–vaccine based on antigen produced in IB–RS–2 cells. **Jensen MH. Acta Vet Scand** 1981;22(3–4):517–23
Vaccination of pediatric nurses with live attenuated cytomegalovirus. Fleisher GR, et al. **Am J Dis Child** 1982 Apr;136(4):294–6
Effect of levamisole in immune responses to bovine herpesvirus–1. Babiuk LA, et al. **Am J Vet Res** 1982 Aug; 43(8):1349–54
Temporary protection of calves against adenovirus infection by nasal secretion interferon induced by infectious bovine rhinotracheitis virus. Cummins JM, et al. **Am J Vet Res** 1982 Jun;43(6):955–9
Stability of viability and immunizing potency of lyophilized, modified equine arteritis live–virus vaccine. Harry TO, et al. **Am J Vet Res** 1981 Sep;42(9):1501–5
DI particles: painting a clearer picture of viruses and vaccines. Marwick CS. **Am Pharm** 1981 Oct;21(10):14–5
Role of thymus–dependent immune system in HVT protection against Marek's disease. Gupta SK, et al. **Avian Dis** 1982 Jan–Mar;26(1):7–13
Suppression of the humoral immune response to inactivated Newcastle disease virus by Mycoplasma meleagridis in the Turkey. Ortiz AM, et al. **Avian Dis** 1981 Oct–Dec; 25(4):894–9
Resistance to Marek's disease at hatching in chickens vaccinated as embryos with the turkey herpesvirus. Sharma JM, et al. **Avian Dis** 1982 Jan–Mar;26(1):134–49
Comparison of three experimental inactivated oil–emulsion Newcastle disease vaccines. Stone HD, et al. **Avian Dis** 1981 Oct–Dec;25(4):1070–6
The immune response of the chick following viral vaccinations and immunization with sheep red blood cells. van der Zijpp AJ, et al. **Avian Dis** 1982 Jan–Mar; 26(1):97–106
Characteristics of apparent derivatives of the 2512 strain of infectious bursal disease virus when used as vaccines. Winterfield RW, et al. **Avian Dis** 1981 Oct–Dec; 25(4):900–10
Neutralization antibody responses induced by Japanese encephalitis virus vaccine. Susilowati S, et al. **Biken J** 1981 Dec;24(4):137–45
Prevention of syngeneic tumor growth in vaccinia virus–primed mice by immunization with vaccinia virus–modulated tumor cells. Wu KS, et al. **Biken J** 1981 Dec;24(4):153–8
The use of infectious bovine rhinotracheitis vaccine in a commercial veal unit: antibody response and spread of virus. Lucas MH, et al. **Br Vet J** 1982 Jan–Feb;138(1):23–8
Persistence of neutralizing antibody 30–35 years after immunization with 17D yellow fever vaccine. Poland JD, et al. **Bull WHO** 1981;59(6):895–900
The failure of an inactivated mink enteritis virus vaccine in four preparations to provide protection to dogs against challenge with canine parvovirus–2. Carman S, et al. **Can J Comp Med** 1982 Jan;46(1):47–50
Failure of a subunit bovine herpesvirus 1 vaccine to protect against experimental respiratory disease in calves. Darcel CL, et al. **Can J Comp Med** 1981 Jan;45(1):87–91
Levamisole and bovine immunity: in vitro and in vivo effects on immune responses to herpesvirus immunization. Babiuk LA, et al. **Can J Microbiol** 1981 Dec;27(12):1312–9
Dog response to inactivated canine parvovirus and feline panleukopenia virus vaccines. Pollock RV, et al. **Cornell Vet** 1982 Jan;72(1):16–35
Comparison of enzyme–linked immunosorbent assay and neutralization techniques for measurement of antibody to respiratory syncytial virus: implications for parenteral immunization with live virus vaccine. Belshe RB, et al. **Infect Immun** 1982 Jul;37(1):160–5
Lack of greater seroconversion of rhesus monkeys after subcutaneous inoculation of dengue type 2 live–virus vaccine combined with infection–enhancing antibodies. Kraiselburd EN, et al. **Infect Immun** 1981 Aug;33(2):389–94
Protection against feline leukemia by vaccination with a subunit vaccine. Lewis MG, et al. **Infect Immun** 1981 Dec; 34(3):888–94
Secretory and systemic immunological response in children infected with live attenuated influenza A virus vaccines. Murphy BR, et al. **Infect Immun** 1982 Jun;36(3):1102–8
Antibody response to an inactivated vaccine for rhinotracheitis, caliciviral disease, and panleukopenia in nondomestic felids. Bush M, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1203–5
Field evaluation of a canine parvovirus vaccination program, using feline origin modified live virus vaccine. Gordon JC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1429–31
Maternally derived immunity to canine parvovirus infection: transfer, decline, and interference with vaccination. Pollock RV, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):37–42
A potency test for inactivated small animal parvovirus vaccines using chicks. Churchill AE. **J Biol Stand** 1982 Jan;10(1):1–8
Qualitative assessment of 146 S particles of foot–and–mouth disease virus in preparations destined for vaccines. Doel TR, et al. **J Biol Stand** 1982 Apr;10(2):69–81
Guidelines for the acceptability, management and testing of serially propagated human diploid cells for the production of live virus vaccines for use in man. Jacobs JP, et al. **J Biol Stand** 1981;9(3):331–42
Sources of variations encountered during the selection and production of three strains of FMD virus for the

development of vaccine for use in Nigeria. Preston KJ, et al. **J Biol Stand** 1982 Jan;10(1):35–45

Antibody response to spike protein vaccines prepared from Semliki Forest virus. Balcarova J, et al. **J Gen Virol** 1981 Mar;53(Pt 1):85–92

Concept review of genital herpes vaccines. Allen WP, et al. **J Infect Dis** 1982 Mar;145(3):413–21

Antibody response to varicella–zoster virus after natural or vaccine–induced infection. Bogger–Goren S, et al. **J Infect Dis** 1982 Aug;146(2):260–5

Detection of antibody to cytomegalovirus early antigen in vaccinated, normal volunteers and renal transplant candidates. Friedman AD, et al. **J Infect Dis** 1982 Aug; 146(2):255–9

Comparison of safety and immunogenicity of ADW and AYW hepatitis B vaccines. Papaevangelou GJ, et al. **J Med Virol** 1982;9(3):231–6

Immunogenicity of A/USSR (H1N1) subunit vaccine in unprimed young adults. Ruggiero HA, et al. **J Med Virol** 1981;7(3):227–32

Protectivity of herpes simplex virus antigens: studies in mice on the adjuvant effect of PICLC and on the dependence of protection on T cell competence. Hilfenhaus J, et al. **Med Microbiol Immunol (Berl)** 1981;169(4):225–35

The influence of different modes of immunization on the experimental genital herpes simplex virus infection of mice. Schneweis KE, et al. **Med Microbiol Immunol (Berl)** 1981; 169(4):269–79

Responses of pregnant ewes inoculated with Akabane disease live virus vaccine. Hashiguchi Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):113–20

Attenuated reovirus type 3 strains generated by selection of haemagglutinin antigenic variants. Spriggs DR, et al. **Nature** 1982 May 6;297(5861):68–70

Anti–influenza response achieved by immunization with a synthetic conjugate. Müller GM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):569–73

Hepatitis B virus vaccine: identification of HBsAg/a and HBsAg/d but not HBsAg/y subtype antigenic determinants on a synthetic immunogenic peptide. Prince AM, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):579–82

Progress toward a live, attenuated human hepatitis A vaccine. Provost PJ, et al. **Proc Soc Exp Biol Med** 1982 May; 170(1):8–14

Duration of immunosuppression caused by a vaccine strain of infectious bursal disease virus. Edwards KR, et al. **Res Vet Sci** 1982 Jan;32(1):79–83

Cell mediated and humoral immune response of chickens to live infectious bronchitis vaccines. Timms LM, et al. **Res Vet Sci** 1981 Sep;31(2):182–9

Preparation and efficacy of an inactivated subunit vaccine against Aujeszky's disease virus infection. Turner SP, et al. **Res Vet Sci** 1981 Sep;31(2):261–3

Vaccines for the decade of the 1980s and beyond. Hilleman MR. **S Afr Med J** 1982 May 8;61(19):691–8 (64 ref.)

Safety of tissue culture rinderpest vaccine in pregnant goats. Adu FD, et al. **Trop Anim Health Prod** 1981 Aug;13(3):166

Immunosuppression in toxoplasmosis: studies in sheep with vaccines for chlamydial abortion and louping–ill virus. Buxton D, et al. **Vet Rec** 1981 Dec 19;109(25–26):559–61

Immunity to canine adenovirus respiratory disease: a comparison of attenuated CAV–1 and CAV–2 vaccines. Cornwell HJ, et al. **Vet Rec** 1982 Jan 9;110(2):27–32

Immune responses of sheep to louping–ill virus vaccine. Shaw B, et al. **Vet Rec** 1981 Dec 12;109(24):529–31

Inactivated bluetongue virus vaccine in lambs: differential serological responses related to breed. Berry LJ, et al. **Vet Res Commun** 1982 May;5(3):289–93

Duration of immunity in dogs inoculated with an inactivated feline parvovirus vaccine. Chapek ML, et al. **VM SAC** 1981 Sep;76(9):1319–24

Immunological markers of an attenuated bovine respiratory syncytial (BRS) virus vaccine. Zygraich N, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):355–62

[Inactivated vaccines against rhinopneumonitis in horses] Tatarov G, et al. **Vet Med Nauki** 1981;18(4):3–9 (Eng. Abstr.) **(Bul)**

[Comparative trial of the immunogenic properties of commercial foot–and–mouth virus strains] Tekerlekov P, et al. **Vet Med Nauki** 1981;18(1):19–26 (Eng. Abstr.) **(Bul)**

[Observations on the reactions following vaccination of the inactivated Japanese encephalitis virus vaccine from tissue culture (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Mar; 15(2):98–100 **(Chi)**

[Study on vaccination schedule of inactivated Japanese encephalitis vaccine (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):360–2 **(Chi)**

[Aujeszky's disease: serological responsiveness after vaccination of 6–10–week–old piglets with maternal antibody (author's transl)] Tielen MJ, et al. **Tijdschr Diergeneeskd** 1981 Aug 1;106(15):739–47 (Eng. Abstr.) **(Dut)**

[Evolution of anti–rota virus antibodies in the milk of cows treated in the last month of pregnancy either by adjuvated rotavirus vaccine or by the adjuvant fraction of the vaccine (author's transl)] Van Opdenbosch E, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(3–4):293–300 (Eng. Abstr.) **(Fre)**

[Hepatitis B vaccine trial in healthy adults – an immunogenicity study (author's transl)] Zachoval R, et al. **MMW** 1981 Oct 2;123(40):1506–8 (Eng. Abstr.) **(Ger)**

[Hepatitis B vaccination – before a breakthrough?] Grob PJ. **Schweiz Med Wochenschr** 1981 Aug 4;111(31–32):1146–53 (Eng. Abstr.) **(Ger)**

[Study on hog cholera–swine erysipelas combined live vaccine. –III. Field trial of vaccination (author's transl)] Eto M, et al. **Igaku Kenkyu** 1981 Mar;51(1):79–84 (Eng. Abstr.) **(Jpn)**

[Antibody production in rats vaccinated with inactivated Sendai virus (author's transl)] Tsukui M, et al. **Jikken Dobutsu** 1981 Jul;30(3):275–81 (Eng. Abstr.) **(Jpn)**

[Structural protective antigens of viruses used for the development of a new type of chemical vaccines] Kostiukov VI, et al. **Vopr Virusol** 1982 Jan–Feb;(1):5–11 (54 ref.) **(Rus)**

[Blast transformation reaction of the peripheral blood lymphocytes from persons inoculated with a tick–borne encephalitis vaccine] Shalamberidze TD, et al. **Vopr Virusol** 1981 Jul–Aug;(4):431–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Live temperature–sensitive equine influenza virus vaccine: generation of the virus and efficacy in hamsters. Brundage–Anguish LJ, et al. **Am J Vet Res** 1982 May; 43(5):869–74

[Combined method (suspension–monolayer) of preparing an inactivated foot–and–mouth disease vaccine] Genov I, et al. **Vet Med Nauki** 1981;18(5):57–63 (Eng. Abstr.) **(Bul)**

[Attenuation of the herpes simplex virus] Iovlev VI. **Tr Inst Pastera** 1979;53:103–6 **(Rus)**

PHARMACODYNAMICS

Partial protection of calves against parainfluenza–3 virus infection by nasal–secretion interferon induced by infectious bovine rhinotracheitis virus. Cummins JM, et al. **Am J Vet Res** 1982 Aug;43(8):1334–8

A controlled clinical trial of the efficacy of the hepatitis B vaccine (Heptavax B): a final report. Szmuness W, et al. **Hepatology** 1981 Sep–Oct;1(5):377–85

Autorosette formation of erythrocytes on peripheral blood mononuclear cells in dogs vaccinated with canine distemper live–virus vaccine. Chandler JP, et al. **Infect Immun** 1981 Aug;33(2):482–4

Studies on the potency test of HB vaccine by the parallel line assay method in guinea pigs. Takahashi T, et al. **Jpn J Med Sci Biol** 1982 Apr;35(2):53–62

STANDARDS

Update: hepatitis B vaccine 'the FDA approved the new vaccine on November 17, 1981' [letter] Miller PJ. **Infect Control** 1982 Jan–Feb;3(1):76–7

Collaborative study of the assay for virus content of Marek's disease vaccines using a reference preparation. Thornton DH, et al. **J Biol Stand** 1982 Apr;10(2):135–46

The newly licensed hepatitis B vaccine. Characteristics and indications for use. Krugman S. **JAMA** 1982 Apr 9; 247(14):2012–5

Efficacy of pneumococcal vaccine [letter] Verghese A, et al. **JAMA** 1981 Nov 13;246(19):2155

Safety and immunogenicity of a new Haemophilus influenzae type b vaccine in infants under one year of age. King SD, et al. **Lancet** 1981 Oct 3;2(8249):705–9

Let the user beware! Scialli VT. **VM SAC** 1982 Jan;77(1):42–6

[Safety of foot–and–mouth disease vaccines in cell cultures] Tekerlekov P, et al. **Vet Med Nauki** 1982;19(1):21–5 (Eng. Abstr.) **(Bul)**

[Suitability of ferrets for the IBR–IPV vaccine efficacy evaluation] Abraham A, et al. **Berl Munch Tierarztl Wochenschr** 1981 Nov 1;94(21):431–2 (Eng. Abstr.) **(Ger)**

[Immunoprophylaxis and immunotherapy of viral hepatitis] Furuta S. **Nippon Rinsho** 1981 Apr;39(4):1784–90 (25 ref.) **(Jpn)**

THERAPEUTIC USE

New hepatitis B vaccine: a breakthrough in hepatitis prevention. Mar DD. **Am J Nurs** 1982 Feb;82(2):306–7

Hepatitis B vaccine administered to chronic carriers of hepatitis b surface antigen. Dienstag JL, et al. **Ann Intern Med** 1982 May;96(5):575–9

The prevention of hepatitis B with vaccine. Report of the centers for disease control multi–center efficacy trial among homosexual men. Francis DP, et al. **Ann Intern Med** 1982 Sep;97(3):362–6

Hepatitis B vaccine [letter] McLean AA, et al. **Ann Intern Med** 1982 Sep;97(3):451

Prevention of hepatitis B through the use of vaccine. Maynard JE. **Ann Intern Med** 1982 Sep;97(3):442–4

Experimental ulcerative herpetic keratitis. IV. Preliminary observations on the efficacy of a herpes simplex subunit vaccine. Carter CA, et al. **Br J Ophthalmol** 1981 Oct; 65(10):679–82

Hepatitis B vaccine: implications for dental personnel. Cooley RL, et al. **J Am Dent Assoc** 1982 Jul;105(1):47–9

A clinical study of stabilized 17D strain live attenuated yellow fever vaccine. Moss–Blundell AJ, et al. **J Biol Stand** 1981 Oct;9(4):445–52

Looks like smooth sailing for experimental hepatitis B vaccine [news] Check WA. **JAMA** 1981 Nov 13; 246(19):2111–2

Cytomegalovirus vaccine work progressing [news] Gunby P. **JAMA** 1982 Sep 24;248(12):1424–5

Ineffectiveness of hepatitis B vaccination for the hepatitis B carrier state [letter] Iber FL. **JAMA** 1982 Aug 20; 248(7):830

Protective effect of inactivated virus vaccine on Sendai virus infection in rats. Tsukui M, et al. **Lab Anim Sci** 1982 Apr; 32(2):143–6

Immune response in neonates to hepatitis B vaccine. Barin F, et al. **Lancet** 1982 Jan 30;1(8266):251–3

Responses to hepatitis B vaccine [letter] Laplanche A, et al. **Lancet** 1982 Jan 23;1(8265):222

The use of hepatitis B virus vaccine [editorial] Chin J. **N Engl J Med** 1982 Sep 9;307(11):678–9

Hepatitis B vaccines: present status. Krugman S, et al. **Semin Liver Dis** 1981 Feb;1(1):81–7 (28 ref.)

[Field experience using an inactivated vaccine in Aujeszky's disease vaccination of cattle (author's transl)] Rigter IA, et al. **Tijdschr Diergeneeskd** 1981 Oct;106(19):993–5 (Eng. Abstr.) **(Dut)**

[Vaccination against hepatitis B in a hemodialysis unit. A 4–year follow up (author's transl)] Pengloan J, et al. **Nephrologie** 1982;3(1):32–5 (Eng. Abstr.) **(Fre)**

[Hepatitis B vaccine: results of the Belgian clinical trials with 150 volunteers] Donéa–Debroise B, et al. **Rev Med Liege** 1982 Apr 15;37(8):261–7 **(Fre)**

[Method of estimating the coverage rate of vaccination in children] Lapointe C, et al. **Union Med Can** 1982 Apr; 111(4):355–8 (Eng. Abstr.) **(Fre)**

[Control of ecthyma contagiosum (pustular dermatitis) of sheep with a new parenteral cell culture live vaccine] Mayr A, et al. **Zentralbl Veterinarmed [B]** 1981;28(7):535–52 (Eng. Abstr.) **(Ger)**

VIREMIA

DIAGNOSIS

Early diagnosis of viraemia in some experimental arbovirus infections in mice. Klisenko GA, et al. **Acta Virol (Praha)** 1981 Sep;25(5):322–5

Viraemia in patients with naturally acquired dengue infection. Gubler DJ, et al. **Bull WHO** 1981;59(4):623–30

The detection of HBV–DNA in serum by molecular hybridisation: a more sensitive method for the detection of complete HBV particles. Weller IV, et al. **J Med Virol** 1982;9(4):273–80

A note on assessment of post–challenge viraemia as an index of protective immunity in pigs against foot–and–mouth disease. Charan S, et al. **Zentralbl Veterinarmed [B]** 1981; 28(3):260–2

ETIOLOGY

Variation on a theme by Fenner: the pathogenesis of chickenpox. Grose C. **Pediatrics** 1981 Nov;68(5):735–7

IMMUNOLOGY

The reaction of Funambulus tristriatus tristriatus Rattus blanfordi and Suncus murinus to Kyasanur forest disease virus. Goverdhan MK, et al. **Indian J Med Res** 1981 Aug; 74:141–6

MICROBIOLOGY

[Comparative study of the viremia in tick–borne encephalitis in immune and nonimmune animals] Barinskii IF, et al. **Vopr Virusol** 1981 Jul–Aug;(4):434–8 (Eng. Abstr.) **(Rus)**

VETERINARY

Experimental characteristics of viraemia caused by two strains of tick–borne encephalitis virus in small rodents. Kožuch O, et al. **Acta Virol (Praha)** 1981 Jul;25(4):219–24

[Viral hemorrhagic septicemia of the rainbow trout (Salmo gairdneri Richardson)––pathology, electron microscopic virus detection and peripheral blood picture] Amlacher E, et al. **Arch Exp Veterinarmed** 1982;36(2):193–201 (Eng. Abstr.) **(Ger)**

[Differentiation of tick–borne encephalitis virus strains according to the levels of viremia produced in bank voles] Chunikhin SP, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct; 50(5):76–81 **(Rus)**

VIRGIMYCINE see **VIRGINIAMYCINS**

VIRGINIAMYCINS

BIOSYNTHESIS

Production of vernamycin by a Micromonospora. Liu WC, et al. **J Antibiot (Tokyo)** 1981 Nov;34(11):1515–6

METABOLISM

Competition between erythromycin and virginiamycin for in vitro binding to the large ribosomal subunit. Parfait R, et al. **Biochim Biophys Acta** 1981 Jul 27;654(2):236–41

PHARMACODYNAMICS

Effects of copper, with and without ferrous sulfide, and antibiotics on the performance of pigs. Ribeiro de Lima

F, et al. **J Anim Sci** 1981 Feb;52(2):241–7
Macrolide, lincosamide, streptogramin and tetracycline transferable resistance in the Bacteroides fragilis group. Privitera G, et al. **J Antimicrob Chemother** 1981 Dec;8 Suppl D:87–94

THERAPEUTIC USE

Anti-dysenteric and growth-promoting effect of virginiamycin in pigs. Pesti L, et al. **Acta Vet Acad Sci Hung** 1981;29(2):183–91
Virginiamycin effects on controlling necrotic enteritis infection in chickens. George BA, et al. **Poult Sci** 1982 Mar;61(3):447–50
[Oral pristinamycin therapy for bone and joint infections in children. A report of 50 cases (author's transl)] Beauvais P, et al. **Arch Fr Pediatr** 1981 Aug–Sep;38(7):489–93 (Eng. Abstr.) **(Fre)**

VIRILISM

see related
ADRENAL HYPERPLASIA, CONGENITAL

BLOOD

Clinical and hormonal studies in hyperthecosis of the ovaries. Nagamani M, et al. **Fertil Steril** 1981 Sep;36(3):326–32
Evaluation of the gonadotropic responsiveness of the pituitary to acute and prolonged administration of LH/FSH-releasing hormone (lhrh) in untreated patients with congenital adrenal hyperplasia. Wajchenberg BL, et al. **Metabolism** 1981 Oct;30(10):976–81

CONGENITAL

Fetal and maternal virilization associated with pregnancy. A case report and review of the literature. Cohen DA, et al. **Am J Dis Child** 1982 Apr;136(4):353–6

DIAGNOSIS

The prognostic value of acute adrenal suppression and stimulation tests in hyperandrogenic women. Steinberger E, et al. **Fertil Steril** 1982 Feb;37(2):187–92
[The rational application of endocrinological and radiological methods in the differential diagnosis of hirsutism in women (author's transl)] Moltz L. **Geburtshilfe Fraunheilkd** 1982 Apr;42(4):321–6 (25 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

[Virilizing adrenal congenital hyperplasia: progress in the last 2 decades and current trends] Rappaport R. **Arch Fr Pediatr** 1981 Jun–Jul;38(6):393–6 **(Fre)**
[Long-term treatment of virilized women with cyproterone acetate (author's transl)] Abrahamsson L, et al. **Wien Klin Wochenschr** 1981 Sep 18;93(17):552–6 (Eng. Abstr.) **(Ger)**
[Management of virilization with an antiandrogen-containing contraceptive] Apró G, et al. **Orv Hetil** 1981 Jul 26; 122(30):1821–4 **(Hun)**
[Antiandrogen treatment with cyproterone acetate in with virilizing symptoms] Abrahamsson L, et al. **Lakartidningen** 1981 Nov 18;78(47):4259–61 (Eng. Abstr.) **(Swe)**

ETIOLOGY

Virilization of a post-menopausal woman by a testosterone-secreting Leydig cell type adrenal adenoma. Trost BN, et al. **Acta Endocrinol (Copenh)** 1981 Oct; 98(2):274–82
Virilizing adrenal adenoma with studies on the steroid content of the adrenal venous effluent and a review of the literature. Gabrilove JL, et al. **Endocr Rev** 1981 Fall; 2(4):462–70 (56 ref.)
Long-standing virilism in a woman with hyperplasia and neoplasia of ovarian lipidic cells. Davidson BJ, et al. **Obstet Gynecol** 1981 Dec;58(6):753–9
Massive edema of the ovary and virilization. Vasquez SB, et al. **Obstet Gynecol** 1982 Jun;59(6 Suppl):95S–9S
[Virilising luteoma during pregnancy. A case report and a review of the literature (author's transl)] Vigneropn N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(2):147–53 (33 ref.) (Eng. Abstr.) **(Fre)**
[Congenital virilizing adrenal hyperplasia due to 11 beta-hydroxylase deficiency. Study of eleven cases (author's transl)] Dunand A, et al. **Sem Hop Paris** 1981 Sep 18–25;57(33–36):1392–7 (49 ref.) (Eng. Abstr.) **(Fre)**
[Virilizing adrenal cortex carcinoma in an 18-month-old girl (author's transl)] Dumić M, et al. **Ljec Vjesn** 1981; 103(4–5):147–50 (Eng. Abstr.) **(Scr)**

THERAPY

[Correction of AGS-genital in severe forms of virilism (Prader III–V) (author's transl)] Praetorius M. **Z Kinderchir** 1981 Aug;33(4):343–9 (Eng. Abstr.) **(Ger)**

VETERINARY

[Aplastic vulva and masculine urethra: masculinization effects of the urogenital sinus in genetically female cattle due to chimerism with the XXY gonosomal complement] Rieck GW, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15;95(10):181–5 (Eng. Abstr.) **(Ger)**

VIRION

ANALYSIS

Rubella virion polypeptides: characterization by polyacrylamide gel electrophoresis, isoelectric focusing and peptide mapping. Ho-Terry L, et al. **Arch Virol** 1982; 72(1–2):47–54
Immunochemical identification of viral and nonviral proteins of the respiratory syncytial virus virion. Fernie BF, et al. **Infect Immun** 1982 Jul;37(1):243–9
Polypeptides of infectious bronchitis virus. I. Polypeptides of the virion. Lomniczi B, et al. **J Gen Virol** 1981 Jul;55(Pt 1):155–64
Biochemical composition of lymphocytic choriomeningitis virus interfering particles. Peralta LM, et al. **J Gen Virol** 1981 Aug;55(Pt 2):475–9
Isolation and characterization of the hydrophobic COOH-terminal domains of the sindbis virion glycoproteins. Rice CM, et al. **J Mol Biol** 1982 Jan 15; 154(2):355–78
Association of sindbis virion glycoproteins and their precursors. Rice CM, et al. **J Mol Biol** 1982 Jan 15; 154(2):325–48
Identification of a packaged cellular mRNA in virions of rous sarcoma virus. Adkins B, et al. **J Virol** 1981 Aug; 39(2):471–80
Identification of a nonvirion protein of Aleutian disease virus: mink with Aleutian disease have antibody to both virion and nonvirion proteins. Bloom ME, et al. **J Virol** 1982 Aug; 43(2):608–16
Herpesvirus sylvilagus I. Polypeptides of virions and nucleocapsids. Cohrs R, et al. **J Virol** 1982 Mar; 41(3):1063–72
Structural analysis of virion proteins of the avian coronavirus infectious bronchitis virus. Stern DF, et al. **J Virol** 1982 Apr;42(1):208–19
Preparation of subviral particles from vaccinia virions irradiated with ultraviolet light. Soloski M, et al. **J Virol Methods** 1980;1(4):185–95
The virion of the lipid-containing bacteriophage PR4. Davis TN, et al. **Virology** 1982 Jul 30;120(2):287–306
[Abortive influenza virus infection of Ehrlich cells. Virion and subcellular fraction proteins] Isaeva KhA, et al. **Vopr Virusol** 1982 Mar–Apr;27(2):146–54 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Studies on antiviral glycosides: V. Formation of incomplete Sendai virions in the presence of phenyl-6-chloro-6-deoxy-beta-D-glucopyranoside. Arita H, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2928–33

ENZYMOLOGY

Activation of the virion-associated RNA polymerase of vesicular stomatitis virus by melittin. Roy J, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1265–71
Coronavirus JHM: a virion-associated protein kinase. Siddell SG, et al. **J Gen Virol** 1981 Feb;52(Pt 2):235–43
RNA polymerase-dependent mechanism for the stepwise T7 phage DNA transport from the virion into E. coli. Zavriev SK, et al. **Nucleic Acids Res** 1982 Mar 11;10(5):1635–52
Reovirus transcriptase and capping enzymes are active in intact virions. Yamakawa M, et al. **Virology** 1982 Apr 15; 118(1):157–68

GENETICS

Organization and expression of endogenous virus-like (VL30) DNA sequences in nontransformed and chemically transformed mouse embryo cells in culture. Courtney MG, et al. **Cancer Res** 1982 Feb;42(2):569–76
Genome-length copies of poliovirion RNA are synthesized in vitro by the poliovirus RNA-dependent RNA polymerase. Van Dyke TA, et al. **J Biol Chem** 1982 Apr 25;257(8):4610–7
[Reverse transcription of influenza virion RNA without exogenous primer] Petrik Iu, et al. **Mol Biol (Mosk)** 1982 Mar–Apr;16(2):398–402 (Eng. Abstr.) **(Rus)**
[Multiploid virions of the Venezuelan equine encephalomyelitis virus. Isolation and properties] Karpova EF, et al. **Vopr Virusol** 1981 May-Jun;(3):319–24 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Intracellular production of virus particles and viral components in NIH/3T3 cells chronically infected with Moloney murine leukemia virus: effect of interferon. Aboud M, et al. **J Virol** 1981 Dec;40(3):830–8
[Production of noninfectious virions of the Rous sarcoma virus by virogenic hamster cells] Cherepantseva EA, et al. **Vopr Virusol** 1981 Jul–Aug;(4):485–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunologic relatedness of intracisternal A-particles in mouse embryos and neoplastic cell lines. Huang TT Jr, et al. **JNCI** 1982 Apr;68(4):643–9

ISOLATION & PURIFICATION

An outbreak of epidemic keratoconjunctivitis in Antwerp, caused by an orbiviruslike particle. Vande Berghe D, et al. **Bull Soc Belge Ophtalmol** 1980;191:13–24
Detection of viral particles in the salivary glands of the hemipteran, Triatoma infestans Klug. Mello ML, et al. **Cell Mol Biol** 1981;27(5):459–66
Echovirus 11 dense particles: isolation and preliminary characterization. Cova-Baczko L, et al. **J Gen Virol** 1982 May;60(Pt 1):159–63
[Multiploid virions of the Venezuelan equine encephalomyelitis virus. Isolation and properties] Karpova EF, et al. **Vopr Virusol** 1981 May-Jun;(3):319–24 (Eng. Abstr.) **(Rus)**

METABOLISM

Interaction of influenza virus proteins with planar lipid bilayers: a model for virion assembly. Kharitonenkov IG, et al. **Biochem Biophys Res Commun** 1981 Sep 16; 102(1):308–14
Interactions of wild-type and mutant M protein of vesicular stomatitis virus with viral nucleocapsid and envelope in intact virions. Evidence from [125I]iodonaphthyl azide labeling and specific cross-linking. Mancarella DA, et al. **Biochemistry** 1981 Nov 24;20(24):6872–7
The correlation of fatty acid content of infected cells and virions with Newcastle disease virus (NDV) virulence. Blenkharn JI, et al. **J Gen Virol** 1981 Feb;52(Pt 2):355–8
Proteolytic cleavage of VP1 in 'A' particles of coxsackievirus B3 does not appear to mediate virus uncoating by HeLa cells. McGeady ML, et al. **J Gen Virol** 1981 Aug;55(Pt 2):439–50
Phosphorylation of vesicular stomatitis virus proteins as a possible contributing factor in virion uncoating. Witt DJ, et al. **J Gen Virol** 1981 Oct;56(Pt 2):383–91
Characterization of a temperature-sensitive fiber mutant of type 5 adenovirus and effect of the mutation on virion assembly. Chee-Sheung CC, et al. **J Virol** 1982 Jun; 42(3):932–50
Poliovirus morphogenesis. I. Identification of 80S dissociable particles and evidence for the artifactual production of procapsids. Marongiu ME, et al. **J Virol** 1981 Aug; 39(2):341–7
Ultraviolet irradiation inhibits encapsidation of simian virus 40 chromatin. Roman A, et al. **J Virol** 1981 Dec; 40(3):729–34
Kinetics of incorporation of Sendai virus proteins into host plasma membranes and virions. Bowen HA, et al. **Virology** 1982 Aug;121(1):1–11

PATHOGENICITY

[Interaction of viral particles and their replication productions with the plasma membranes of infected cells. New approaches to the chemotherapy of viral infections] Zaides VM, et al. **Vopr Virusol** 1981 Jul–Aug;(4):388–94 (32 ref.) **(Rus)**

PHYSIOLOGY

Cryopreservation of varicella-zoster virions without loss of structural integrity or infectivity. Grose C, et al. **Intervirology** 1981;15(3):154–60
Improved infectivity of reassembled polyoma virus. Yuen LK, et al. **J Virol** 1982 Jul;43(1):337–41
Inhibition of cellular protein synthesis by vaccinia virus surface tubules. Mbuy GN, et al. **Virology** 1982 Jan 15; 116(1):137–47
[Defective interfering viral particles] Kantorovich-Prokudina EN, et al. **Usp Sovrem Biol** 1982 May-Jun;93(3):338–51 (133 ref.) **(Rus)**

ULTRASTRUCTURE

The structure of adenovirion chromatin revealed by ultraviolet light-induced cross-linking. Sato K, et al. **Biochem Biophys Res Commun** 1981 Aug 31;101(4):1318–23
Morphological study of virus-like particles in two transplantable tumours from BDX rats. Calnfat J, et al. **J Gen Virol** 1981 Feb;52(Pt 2):387–90
Heterogeneity of infection-associated particles in foot-and-mouth disease virus. Vasquez C, et al. **Virology** 1981 Oct 30;114(2):370–8

VIROIDS

ANALYSIS

Affinity chromatography of viroid RNAs. Rohde W. **Arch Virol** 1982;71(2):169–76
A severe and a mild potato spindle tuber viroid isolate differ in three nucleotide exchanges only. Gross HJ, et al. **Biosci Rep** 1981 Mar;1(3):235–41
Nucleotide sequence and secondary structure of citrus exocortis and chrysanthemum stunt viroid. Gross HJ, et al. **Eur J Biochem** 1982 Jan;121(2):249–57
In vitro 32P-labelling of viroid RNA for hybridization studies. Negruk VI, et al. **J Virol Methods** 1980;1(4):229–34
Avocado sunblotch viroid: primary sequence and proposed secondary structure. Symons RH. **Nucleic Acids Res** 1981 Dec 11;9(23):6527–37

GENETICS

Specifically primed synthesis in vitro of full-length DNA complementary to potato-spindle-tuber viroid. Rohde W,

et al. **Eur J Biochem** 1981 Aug;118(1):151–7

Sequence-specific priming of the in vitro synthesis of DNA complementary to citrus exocortis viroid. Rohde W, et al. **FEBS Lett** 1981 Aug 3;130(2):208–12

Comparative sequence and structure of viroid-like RNAs of two plant viruses. Haseloff J, et al. **Nucleic Acids Res** 1982 Jun 25;10(12):3681–91

Chrysanthemum stunt viroid: primary sequence and secondary structure. Haseloff J, et al. **Nucleic Acids Res** 1981 Jun 25;9(12):2741–52

Nuclear DNA from uninfected or potato spindle tuber viroid-infected tomato plants contains no detectable sequences complementary to cloned double-stranded viroid cDNA. Hadidi A, et al. **Proc Natl Acad Sci USA** 1981 Nov;78(11):6932–5

GROWTH & DEVELOPMENT

Continuous replication of potato spindle tuber viroid (PSTV) in permanent cell cultures of potato and tomato. Mühlbach HP, et al. **Biosci Rep** 1981 Jan;1(1):79–87

METABOLISM

In vitro transcription of viroid RNA into full-length copies by RNA-dependent RNA polymerase from healthy tomato leaf tissue. Boege F, et al. **Biosci Rep** 1982 Mar;2(3):185–94

Detection of complementary RNA intermediates of viroid replication by Northern blot hybridization. Rohde W, et al. **Biosci Rep** 1981 Apr;1(4):327–36

PHYSIOLOGY

A model for the involvement of viroids in RNA splicing. Dickson E. **Virology** 1981 Nov;115(1):216–21

ULTRASTRUCTURE

Electron microscopic evidence for viroid conformers. Klotz G, et al. **Eur J Cell Biol** 1981 Aug;25(1):5–7

VIROLOGY

Pregnancy abnormalities among personnel at a virological laboratory. Axelsson G, et al. **Am J Industr Med** 1980; 1(2):129–37

Regional diagnostic virology services. Are satellite laboratories necessary? Ray CG, et al. **JAMA** 1982 Mar 5;247(9):1309–10

Advances in clinical virology. Peterson LR, et al. **Prog Clin Pathol** 1981;8:239–267 (130 ref.)

[Discussion about the nature and origin of viruses (philosophical and methodological aspects)] **Vopr Virusol** 1981 May-Jun;(3):372–82 **(Rus)**

[Lectins in virology] Evtushenko AI. **Vopr Virusol** 1982 Mar-Apr;27(2):132–7 (81 ref.) **(Rus)**

EDUCATION

[Current problems of training virologists] Derkach IuS, et al. **Sov Zdravookhr** 1982;(2):57–60 **(Rus)**

HISTORY

Arbovirology—then and now. Chamberlain RW. **Am J Trop Med Hyg** 1982 May;31(3 Pt 1):430–7

The Rockefeller Foundation virus program: 1951–1971 with update to 1981. Downs WG. **Annu Rev Med** 1982;33:1–29

Portraits of viruses: tobacco mosaic virus. Fraenkel-Conrat H. **Intervirology** 1981;15(4):177–89

[D. K. Zabolotnyy Institute of Microbiology and Virology of the Academy of Sciences of the Ukrainian SSR on the 1500th jubilee of the city of Kiev] **Mikrobiol Zh** 1982 Mar-Apr;44(2):3–4 **(Rus)**

INSTRUMENTATION

[Device for photographing low-contrast objects] Val'dman KL. **Vopr Virusol** 1981 Nov-Dec;(6):761–2 **(Rus)**

METHODS

Quantitation of herpes simplex virus in vitro and in preocular tear film. Green MT, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):882–6

The use of monoclonal antibodies in virology. Oxford J. **J Hyg (Lond)** 1982 Jun;88(3):361–8 (28 ref.)

Radioimmunoassay in diagnostic virology. Halonen P, et al. **Lab Res Methods Biol Med** 1982;5:83–124 (94 ref.)

ELISA techniques in virology. Voller A, et al. **Lab Res Methods Biol Med** 1982;5:59–81 (115 ref.)

[Cell culture separation by Ficoll density gradient ultracentrifugation] Kapitonova VP, et al. **Vopr Virusol** 1981 Sep-Oct;(5):616–8 **(Rus)**

[Practical application of a method for the ultrasonic disintegration of a virus-antibody complex in virological research] Rasuli FI. **Vopr Virusol** 1981 Nov-Dec;(6):763–4 **(Rus)**

TRENDS

[Predicting the requirements, production status and development of diagnostic agents for virology studies] Derkach IuS, et al. **Lab Delo** 1982;(3):42–6 **(Rus)**

VIRULENCE

Experimental investigations on the significance of different environmental and immunological factors on the disposition to tuberculous infection. Steinbrück P. **Z Erkr Atmungsorgane** 1982;158(1–2):47–53

DRUG EFFECTS

A comparative study of gastric mucin and commercial baker's yeast as virulence-enhancing agents in the typhoid mouse protection test. Joó I, et al. **J Biol Stand** 1982 Jan; 10(1):17–24

Chemical disinfection of Creutzfeldt-Jakob disease virus. Brown P, et al. **N Engl J Med** 1982 May 27;306(21):1279–82

VIRUS ACTIVATION

Multiplicity reactivation with reoviruses. Hossain A. **Acta Virol (Praha)** 1982 Jan;26(1–2):105–8

Multiplicity activation of herpes simplex virus in mouse neuroblastoma (C1300) cells. Vahlne A, et al. **Arch Virol** 1981;70(4):345–56

Isolation by restriction endonuclease digestion and base-specific affinity chromatography of rat-embryo DNA sequences disproportionately enriched in virogenic bromodeoxyuridine. Schwartz SA. **Biosci Rep** 1981 Feb; 1(2):107–18

Genetic interactions in induction of endogenous murine leukemia virus from low leukemic mice. McCubrey J, et al. **Cell** 1982 Apr;28(4):881–8

Genetic analysis of induction of anti-polyadenylic acid antibodies and xenotropic type-C viruses. Fischbach M, et al. **Clin Exp Immunol** 1981 Jun;44(3):615–9

Correlation of increased nuclease activity with enhanced virus reactivation. Nishiyama Y, et al. **Exp Cell Res** 1982 Apr;138(2):485–9

DNA rearrangements associated with reversion of bacteriophage Mu-induced mutations. Khatoon H, et al. **Genetics** 1981 May;98(1):1–24

Induction of the EBV cycle in B-lymphocyte-derived lines is accompanied by increased natural killer (NK) sensitivity and the expression of EBV-related antigen(s) detected by the ADCC reaction. Patarroyo M, et al. **Int J Cancer** 1980 Sep 15;26(3):365–71

RNA oncovirus expression in N-methyl-n-nitrosourea-induced lymphomas in mice. Pintér A, et al. **Int J Cancer** 1981 Aug 15;28(2):219–23

Escherichia coli gal operon proteins made after prophage lambda induction. Merril CR, et al. **J Bacteriol** 1981 Sep; 147(3):875–87

Cytomegalovirus causes a latent infection in undifferentiated cells and is activated by induction of cell differentiation. Dutko FJ, et al. **J Exp Med** 1981 Nov 1;154(5):1636–51

The spontaneous and induced synthesis of Epstein-Barr virus antigens in Raji cells immobilized on surface coated with anti-lymphocyte globulin. Bayliss GJ, et al. **J Gen Virol** 1981 Jun;54(Pt 2):397–401

Transcriptional control of endogenous virus genes in murine lymphocytes. DeLamarter JF, et al. **J Gen Virol** 1981 Feb; 52(Pt 2):371–5

Natural occurrence of deletion mutant of human papovavirus BK capable of inducing T antigen. Watanabe S, et al. **J Gen Virol** 1981 Jun;54(Pt 2):431–5

Activation of latent murine cytomegalovirus in vivo and in vitro: a pathogenetic role for acute infection. Jordan MC, et al. **J Infect Dis** 1982 May;145(5):699–705

Repressor cleavage as a prophage induction mechanism: hypersensitivity of a mutant lambda cI protein to recA-mediated proteolysis. Crowl RM, et al. **J Mol Biol** 1981 Nov 15;152(4):815–9

Cloning of two genetically transmitted Moloney leukemia proviral genomes: correlation between biological activity of the cloned DNA and viral genome activation in the animal. Chumakov I, et al. **J Virol** 1982 Jun;42(3):1088–98

Unique features of retrovirus expression in F/St mice. Morse HC 3d, et al. **J Virol** 1982 Jul;43(1):1–7

The transient inability of the conjugating female cell to host 186 infection explains the absence of zygotic induction for 186. Woods WH, et al. **J Virol** 1981 Nov;40(2):335–440

Tumor virus induction and host cell capacity inactivation: possible in vitro tests for photosensitizing chemicals. Bockstahler LE, et al. **JNCI** 1982 Jul;69(1):183–7

Human lymphoma-lymphoma hybrids and lymphoma-leukemia hybrids. II. Epstein-Barr virus induction patterns. Klein G, et al. **JNCI** 1982 Feb; 68(2):197–202

Induction of endogenous mammary tumor virus expression during hormonal induction of mammary adenoacanthomas and carcinomas of BALB/c female mice. McGrath CM, et al. **JNCI** 1981 Oct;67(4):841–52

Genetic analysis of mu or mini-mu containing F' pro lac episomes after prophage induction. Toussaint A, et al. **MGG** 1981;181(2):201–6

Degradation of ribosomal RNA in bacteriophage lambda lysogens after thermal induction. Ono T, et al. **Microbiol Immunol** 1981;25(5):433–44

Reactivation of latent feline leukaemia virus infection. Rojko JL, et al. **Nature** 1982 Jul 22;298(5872):385–8

Characterization of murine leukemia viruses activated during N-nitroso-N-methylurea-induced leukemogenesis in mice. I. Host range of activated viruses. Ehm I, et al. **Neoplasma** 1982;29(2):169–73

Epstein-Barr virus infection and neoplasia. Sprinkle PM, et al. **Otolaryngol Head Neck Surg** 1981 Jul-Aug;89(4):542–4

Host cell reactivation and UV-enhanced reactivation in synchronized mammalian cells. Lytle CD, et al. **Photochem Photobiol** 1981 Sep;34(3):355–9

Induction and enhanced reactivation of mammalian viruses by light. Bockstahler LE. **Prog Nucleic Acid Res Mol Biol** 1981;26:303–13

Correlation between the presence of natural antitumor antibodies and activation of MuLV endogenous virus in BALB/c mice. Ménard S, et al. **Tumori** 1981 Aug; 67(4):283–92

Epstein-Barr virus induction by a serum factor. I. Induction and cooperation with additional inducers. Bauer G, et al. **Virology** 1982 Aug;121(1):184–94

Isolation of Kirsten murine leukemia virus mutant temperature sensitive for particle production and env gene minus. Horwich A, et al. **Virology** 1982 Apr 15; 118(1):136–47

Proteolytic activation of vaccinia virus for the penetration phase of infection. Ichihashi Y, et al. **Virology** 1982 Jan 15;116(1):297–305

Activation of herpes simplex virus (HSV) types 1 genome by temperature-sensitive mutants of HSV type 2. Wigdahl BL, et al. **Virology** 1982 Jan 30;116(2):468–79

Changes in the expression of Fc receptor produced by induction of Epstein-Barr virus in lymphoma cell lines. Yee C, et al. **Virology** 1982 Jul 30;120(2):376–82

[Study on virus yields in Igarashi clone of Singh's Aedes albopictus cells persistently infected with Japanese encephalitis virus (2–8 strain)] Chen BQ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Dec; 3(4):231–6 (Eng. Abstr.) **(Chi)**

[Ability of vaccinia viruses to induce expression of p30 retroviruses in continuous mouse cell lines] Merekalova ZI, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):710–12 **(Rus)**

[Properties of Bacillus subtilis mutant rec149 with an increased frequency of defective phage induction] Poluéktova EU, et al. **Genetika (Moskva)** 1981; 17(9):1588–92 **(Rus)**

DRUG EFFECTS

A short-term in vitro assay for promoter substances using human lymphoblastoid cells latently infected with Epstein-Barr virus. Ito Y, et al. **Cancer Lett** 1981 Jun; 13(1):29–37

Virus induction by tumor promoters. zur Hausen H, et al. **Carcinog Compr Surv** 1982;7:617–23 (31 ref.)

Expression of endogenous viral genes in mouse lymphocytes. Wecker E, et al. **Curr Top Microbiol Immunol** 1982; 98:27–36

Effect of bromodeoxyuridine on endogenous retrovirus production in differentiating murine lymphocytes. Stoye JP, et al. **Hamatol Bluttransfus** 1981;26:365–7

Activation of the Epstein-Barr virus genome by 5-aza-cytidine in latently infected human lymphoid lines. Ben-Sasson SA, et al. **Int J Cancer** 1981 Aug 15;28(2):131–5

Effect of mouse interferon on cell transformation and virus production in rat cells exogenously infected with moloney murine sarcoma and leukemia viruses. Huleihel M, et al. **Int J Cancer** 1982 Apr 15;29(4):471–6

Activation of an endogenous mouse type C virus by UV-irradiated murine cytomegalovirus. Sergiescu D. **Int J Cancer** 1982 Apr 15;29(4):459–64

Lack of induction of murine mammary tumor virus expression in cultured mammary glands treated with chemical carcinogens. Tonelli QJ, et al. **Int J Cancer** 1981 Jun 15;27(6):811–7

Induction of Epstein-Barr virus by an new tumor promoter, teleocidin, compared to induction by TPA. Yamamoto H, et al. **Int J Cancer** 1981 Aug 15;28(2):125–9

Effect of protease inhibitors on the activation of Epstein-Barr virus repressed in cultured lymphoid cells. Morigaki T, et al. **Intervirology** 1981;16(1):49–52

Induction of ocular herpes simplex virus shedding by iontophoresis of epinephrine into rabbit cornea. Kwon BS, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):442–9

Development of necroses, virus activation and giant cell formation after treatment of Ehrlich ascites tumor with metallocene dichlorides. Köpf-Maier P. **J Cancer Res Clin Oncol** 1982;103(2):145–64

Tumor promoter-stimulated synthesis of Mason-Pfizer monkey virus. Wunderlich V, et al. **J Cancer Res Clin Oncol** 1982;102(3):271–5

The relationship between tumor promoter binding and Epstein-Barr virus induction in human lymphoblastoid cell lines. Yamamoto N, et al. **J Cell Physiol** 1981 Dec; 109(3):397–402

Proteolytic enhancement of rotavirus infectivity: molecular mechanisms. Estes MK, et al. **J Virol** 1981 Sep;39(3):879–88

The influence of procarbazine (MIH) on the induction of prophage lambda in Escherichia coli K12 and toxic effects on Salmonella typhimurium. Lackner F, et al. **Mutat Res** 1981 Nov;90(3):247–54

Inhibition of DNA synthesis in relation to enhanced survival of UV-damaged herpes virus in monkey cells treated by a variety of 2-nitronaphthofurans. Nocentini S, et al. **Mutat Res** 1981 Oct;90(2):125–35

A comparison of aflatoxin B1-induced cytotoxicity, mutagenicity and prophage induction in Salmonella typhimurium mutagen tester strains TA1535, TA1538, TA98 and TA100. Wheeler L, et al. **Mutat Res** 1981 Aug; 83(1):39–48

[Absence of the chemical activation of type C endogenous

viruses in cells of 129/J mice] Escot C, et al. **C R Seances Acad Sci [III]** 1981 May 11;292(17):995–8 (Eng. Abstr.) **(Fre)**

[Cellular study of a lysogenic Desulfovibrio desulfuricans culture after mitomycin C induction] Studenikina FG, et al. **Mikrobiologiia** 1981 Sep–Oct;50(5):849–51 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Influence of superinfection on the photoreversible phase of UV induced lysogenic bacteria. Theile M, et al. **MGG** 1981; 181(2):273–8

UV–irradiation of related mouse hybrid cells: similar increase in capacity to replicate intact minute–virus–of–mice but differential enhancement of survival of UV–irradiated virus. Vos JM, et al. **Mutat Res** 1981 Sep;83(2):171–8

UV–enhanced reactivation of minute–virus–of–mice: stimulation of a late step in the viral life cycle. Rommelaere J, et al. **Photochem Photobiol** 1981 Jun;33(6):845–54

Reactivation of UV– and gamma–irradiated herpes virus in UV– and X–irradiated CV–1 cells. Takimoto K, et al. **Photochem Photobiol** 1982 Apr;35(4):495–9

[UV inactivation of the tick–borne encephalitis virus] Efimova VF, et al. **Vopr Virusol** 1982 Jan–Feb;(1):94–8 **(Rus)**

VIRUS CULTIVATION

see related

TISSUE CULTURE

Characteristics of a long term in vitro persistent infection with human coronavirus 229E. Chaloner–Larsson G, et al. **Adv Exp Med Biol** 1981;142:309–22

Procedure for PEG treatment of bovine sera used for cell culture in virus diagnosis. Charlier G, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(3–4):279–83

Susceptibility of cell line cultures of bovine kidney origin to infectious bovine rhinotracheitis and parainfluenza–3 viruses. Ferrari M, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(3–4):301–6

Replication of dengue, yellow fever, St. Louis encephalitis and vesicular stomatitis viruses in a cell line (TRA–171) derived from Toxorhynchites amboinensis. Kuno G. **In Vitro** 1981 Nov;17(11):1011–5

Effects of cell source, mouse strain, and immunosuppressive treatment on production of virulent and attenuated murine cytomegalovirus. Selgrade MK, et al. **Infect Immun** 1981 Sep;33(3):840–7

Studies on camelpox virus. Sehgal CL, et al. **J Commun Dis** 1980 Dec;12(4):177–82

Establishment of persistent infection in mouse cells by Sindbis virus and its temperature–sensitive mutants. Barrett PN, et al. **J Gen Virol** 1981 May;54(Pt 1):57–65

The fate of antibiotics added to cell cultures used in virology. Paul MO, et al. **J Virol Methods** 1982 Feb;4(1):55–61

Chemical inhibition of foamyvirus in primary baboon (Papio cynocephalus) kidney cells. Weiss SA, et al. **J Virol Methods** 1982 May;4(4–5):199–207

'CSF viral cultures' [letter] King DK. **JAMA** 1982 Sep 24; 248(12):1450–1

Viral cultures from cerebrospinal fluid [letter] Pilsworth R. **Lancet** 1982 Sep 4;2(8297):552

Comparative study of Junin and herpes simplex viruses in mouse brain monolayer cultures. Berría MI, et al. **Medicina (B Aires)** 1981;41(4):459–66

Propagation of equine infectious anemia virus in horse cell cultures. Grădinaru DA, et al. **Virologie** 1981 Jan–Mar; 32(1):23–7

Cell tropism and expression of mouse hepatitis viruses (MHV) in mouse spinal cord cultures. Dubois–Dalcq ME, et al. **Virology** 1982 Jun;119(2):317–31

[Adaptation of an isolate of bovine enteritic coronavirus to serial growth in cell culture and characterization of the virus (author's transl)] L'Haridon R, et al. **Ann Rech Vet** 1981;12(3):243–51 (Eng. Abstr.) **(Fre)**

[Cultivation of hepatitis A virus in tissue culture: the possibility of virus production for vaccines and testing, for the diagnosis of infection in patients and for the testing of disinfectants] Frösner GG. **Off Gesundheitswes** 1982 Jun; 44(6):370–3 **(Ger)**

METHODS

Establishment and maintenance of a persistent infection of L132 cells by human coronavirus strain 229E. Chaloner Larsson G, et al. **Arch Virol** 1981;69(2):117–29

Isolation of human rotavirus in cell cultures: brief report. Sato K, et al. **Arch Virol** 1981;69(2):155–60

A comparison of the efficiency of human embryo intestine, Hep 2 cells, and human embryo kidney cells for the primary isolation of ophthalmic viruses. Cubitt WD, et al. **Br J Ophthalmol** 1981 Aug;65(8):546–8

Immunization of inbred guinea pigs with varicella–zoster virus grown in a syngeneic transformed embryo cell line. Grose C. **J Clin Microbiol** 1981 Aug;14(2):229–31

A reproducible method for the optimum infection of human mononuclear cells and lymphoid cell lines by herpes simplex virus type 1. Mahan KB, et al. **J Virol Methods** 1982 Mar;4(2):63–75

Efficient production of mammalian RNA tumor viruses in serum–free culture medium allows rapid RNA subunit purification. Strauss EM, et al. **J Virol Methods** 1980; 1(4):213–21

Propagation and in vitro studies of previously non–cultivable enteral adenoviruses in 293 cells. Takiff HE, et al. **Lancet** 1981 Oct 17;2(8251):832–4

Hepatitis A virus in cell culture. III. Propagation of hepatitis A virus in human embryo kidney cells and human embryo fibroblast strains. Flehmig B, et al. **Med Microbiol Immunol (Berl)** 1981;170(2):83–9

[Evaluation of a simplified test for the determination of TKID50 of attenuated strains of parotitis virus (author's transl)] Izbický A. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep;30(5):294–6 (Eng. Abstr.) **(Cze)**

VIRUS DISEASES

Role of viruses in etiology of systemic lupus erythematosus. Christian CL. **Am J Kidney Dis** 1982 Jul;2(1 Suppl 1):114–8

Studies regarding a possible function for viruses in the pathogenesis of systemic lupus erythematosus. Pincus T. **Arthritis Rheum** 1982 Jul;25(7):847–56 (100 ref.)

Outbreak of rotavirus gastroenteritis among premature infants [letter] Thomson AH, et al. **Br Med J [Clin Res]** 1981 Nov 21;283(6303):1405

Viral infections common to human and nonhuman primates. Soave O. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1385–8 (31 ref.)

Astrovirus–associated epidemic gastroenteritis in Japan. Konno T, et al. **J Med Virol** 1982;9(1):11–7

A two–part study of the aetiological role of rotavirus in intussusception. Mulcahy DL, et al. **J Med Virol** 1982; 9(1):51–5

Vestibular vertigo. A form of polyneuritis? Adour KK, et al. **JAMA** 1981 Oct 2;246(14):1564–7

Academy rash. A probable epidemic of erythema infectiosum ('fifth disease'). Brass C, et al. **JAMA** 1982 Aug 6; 248(5):568–72

Fifth disease: Still hazy after all these years [editorial] Morens DM. **JAMA** 1982 Aug 6;248(5):553–4

Viruses and chronic neurological diseases. Johnson RT. **Johns Hopkins Med J** 1982 Apr;150(4):132–40 (39 ref.)

Virally–induced obesity [editorial] **Lancet** 1982 Jul 10; 2(8289):79–80

Mild acute infectious myocarditis [editorial] **Lancet** 1982 Jun 12;1(8285):1340–1

ıral studies in patients presenting with 'normal variant African ECG' [letter] Blackett K. **Lancet** 1982 Jul 3; 2(8288):40

Parvovirus B19 finds a disease [letter] Cossart Y. **Lancet** 1981 Oct 31;2(8253):988–9

Neurological syndromes after acute epidemic conjunctivitis [letter] Katiyar BC, et al. **Lancet** 1981 Oct 17;2(8251):866–7

Is histiocytic reticulosis an infectious disease? [letter] Martelli MF, et al. **Lancet** 1982 Aug 21;2(8295):446–7

Inflammatory bowel disease: is it caused by an infectious agent? A look at some old and new theories. Thayer WR Jr. **Mater Med Pol** 1981 Apr–Jun;13(2):71–6

Aetiology of viral gastroenteritis: a review. Murphy A. **Med J Aust** 1981 Aug 22;2(4):177–82 (56 ref.)

Current concepts in neurology: the contribution of virologic research to clinical neurology. Johnson RT. **N Engl J Med** 1982 Sep 9;307(11):660–2

Virus persistence and recurring demyelination produced by a temperature–sensitive mutant of MHV–4. Knobler RL, et al. **Nature** 1982 Jul 15;298(5871):279–80

Recent developments in virology. White DO. **Papua New Guinea Med J** 1981 Dec;24(4):267–73

Acute infectious gastroenteritis in children. Hyman PE, et al. **Pediatr Ann** 1982 Jan;11(1):147–55

Infectious diseases. **Perspect Pediatr Pathol** 1981;6:1–284

Tenth Scientific Session of the Faculty of General Medicine, Charles University, Prague. Microorganisms and infection. Prague, April 29, 1981. Summaries of presented papers. **Sb Lek** 1981 Sep;83(8–9):201–56

[Infectious diarrheal diseases. Diagnosis and treatment] Stiehl A. **ZFA (Stuttgart)** 1982 Apr 20;58(11):595–600 **(Ger)**

[Possible relationship between schizophrenia and viral agents (editorial)] Bleich A, et al. **Harefuah** 1981 Apr 15;100(8):393 **(Heb)**

[Is there a connection between viral infections and the appearance of duodenal ulcers? (editorial)] Hallak A, et al. **Harefuah** 1981 Dec 1;101(11):322–3 **(Heb)**

[Viral nosocomial infections] Isacsohn M. **Harefuah** 1982 Jan 15;102(2):67–73 **(Heb)**

[Viral respiratory infections in children] Donelli G, et al. **Ann Ist Super Sanita** 1981;17(4):803–18 (74 ref.) **(Ita)**

[Regulation of liquid nitrogen temperature in the treatment of viral keratitis] Mrzygłód S, et al. **Klin Oczna** 1981 Oct–Dec;83(10–12):519–21 (Eng. Abstr.) **(Pol)**

[Effect of immune system stimulation on the course of viral keratitis (author's transl)] Tuszewska R, et al. **Klin Oczna** 1981 Oct–Dec;83(10–12):501–3 (Eng. Abstr.) **(Pol)**

[Viral cardiac diseases] Halawa B. **Wiad Lek** 1982 Apr 15; 35(2):135–40 (Eng. Abstr.) **(Pol)**

[Viral infections in pregnancy] Farber NA. **Ter Arkh** 1981; 53(10):135–40 (87 ref.) **(Rus)**

BLOOD

Detection and characterization of a lymphocyte proliferating factor (LPF) in plasma of SJL/J mice infected with the LDH virus. Crispens CG Jr. **Arch Virol** 1982;72(1–2):67–74

Changes in hemopoiesis of mice of the C3H strain following transplantation of Gardner lymphosarcoma and infection with LDH–virus. III. Blood proteins. Motyčka K, et al. **Neoplasma** 1981;28(1):95–102

[Cationic proteins in neutrophils of children with virus diseases. Quantitative fluorescent cytochemistry] Shubich MG, et al. **Lab Delo** 1981;(5):266–9 (Eng. Abstr.) **(Rus)**

[Serum systems of the group–specific component and haptoglobin in children with bronchopulmonary diseases] Bystrova KS. **Pediatriia** 1982 Jan;(1):14–7 (Eng. Abstr.) **(Rus)**

[Activity of certain components of the blood kinin system in children with acute viral respiratory infections] Dzabolova LIa, et al. **Vopr Med Khim** 1982 Mar–Apr; 28(2):45–6 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Serious infections during continuing treatment of acute lymphoblastic leukaemia. Ninane J, et al. **Arch Dis Child** 1981 Nov;56(11):841–4

COMPLICATIONS

Screening for viral infections in infants with poor intrauterine growth. Andréasson B, et al. **Acta Paediatr Scand** 1981 Sep;70(5):673–6

Transient reticulocytopenia in viral illness. Biemer JJ, et al. **Ann Clin Lab Sci** 1982 May–Jun;12(3):194–9

Increased pharyngeal bacterial colonization during viral illness. Ramirez–Ronda CH, et al. **Arch Intern Med** 1981 Nov;141(12):1599–603

Perinatal infections and maldevelopment. Stagno S, et al. **Birth Defects** 1981;17(1):31–50

Familial acute myelogenous leukemia associated with RNA virus and polymorphism of 1qh+. Sadamori N, et al. **Cancer Genet Cytogenet** 1981 Aug;4(1):23–30

The relationship of viral infections to subsequent asthma. Sherter CB, et al. **Clin Chest Med** 1981 Jan;2(1):67–78 (41 ref.)

Giant cell tumor with viral–like intranuclear inclusions associated with Paget's disease. Mirra JM, et al. **Clin Orthop** 1981 Jul–Aug;(158):243–51

Virus infections of the central nervous system in children with primary immune deficiency disorders. Mellor DH. **Dev Med Child Neurol** 1981 Dec;23(6):807–10

Viral respiratory infections in asthmatic children staying in a mountain resort. Roldaan AC, et al. **Eur J Respir Dis** 1982 Mar;63(2):140–50

Myasthenia gravis following viral infection. Korn IL, et al. **Eur Neurol** 1981;20(6):435–9U

Viruses in the pathogenesis of cervical neoplasia: an update. Fenoglio CM. **Hum Pathol** 1982 Sep;13(9):785–7

Mixed respiratory viral infections during influenza A epidemics. Subi KK, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):270–6

Diarrhea due to Norwalk virus in families [letter] Pickering LK, et al. **J Infect Dis** 1982 Jul;146(1):116–7

The use of diclofenac sodium (Voltaren) suppositories as an antipyretic in children with fever due to acute infections: a double–blind, between–patient, placebo–controlled study. Polman HA, et al. **J Int Med Res** 1981;9(5):343–8

Viruses, Parkinsonism and Alzheimer's disease [letter] Mann DM, et al. **J Neurol Neurosurg Psychiatry** 1981 Jul; 44(7):651

Viral cystitis with transient secondary vesicoureteral reflux. Mininberg DT, et al. **J Urol** 1982 May;127(5):983–5

Cardiac sequela of some viral infections? [news] Gunby P. **JAMA** 1982 Mar 12;247(10):1389

A history lesson: hepatitis is not always what it seems [editorial] Zucker GM, et al. **JAMA** 1982 Apr 9; 247(14):2011

Outbreak of aplastic crises in sickle cell anaemia associated with parvovirus–like agent. Serjeant GR, et al. **Lancet** 1981 Sep 19;2(8247):595–7

Sensorineural hearing loss: infectious agents. Pappas DG, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):752–4

Gastritis, peptic ulcer disease, inflammatory bowel disease, and stomach and colon cancers– are they all caused by viral infections? Waldum HL, et al. **Med Hypotheses** 1981 Nov;7(11):1329–38

A longitudinal study of respiratory viruses and bacteria in the etiology of acute otitis media with effusion. Henderson FW, et al. **N Engl J Med** 1982 Jun 10;306(23):1377–83

Are viral studies indicated in juvenile–onset diabetes? Bartsocas CS, et al. **Padiatr Padol** 1982;17(3):603–6

Teratogens associated with congenital contractures in humans and in animals. Hall JG, et al. **Teratology** 1982 Apr;25(2):173–91

The Gordon Wilson Lecture: viruses and chronic neurological diseases. Johnson RT. **Trans Am Clin Climatol Assoc** 1980;92:93–102

[Glomerular nephropathies and viral infections] Ronco P, et al. **Nephrologie** 1981;2(4):147–52 **(Fre)**

[Virus etiology of Hodgkin's disease] Gassmann W, et al. **Dtsch Med Wochenschr** 1982 Aug 6;107(31–32):1171–2 **(Ger)**

[Acute myocarditis caused mostly by viruses] Börger HH. **Med Klin [Prax]** 1982 Jun 4;77(12):36–40 **(Ger)**

[The polymyositis–dermatomyositis complex: current studies of the etiopathogenesis and notes on therapy] Sacerdoti G, et al. **Clin Ter** 1981 Jun 30;97(6):631–51 (108 ref.) **(Ita)**

[A case of myocardial infarct caused by coronaritis]

Martinelli M, et al. **Minerva Med** 1982 Jan 14;73(1–2):33–42 (Eng. Abstr.) **(Ita)**

[The role of viral infections in the etiopathogenesis of infantile diabetes mellitus] Morrone G. **Pediatria (Napoli)** 1981 Dec 31;89(4):711–9 (65 ref.) (Eng. Abstr.) **(Ita)**

[Viruses, immunology and immunopathology] Dell'Aria V. **Riv Neurobiol** 1980 Apr–Jun;26(2):236–42 (25 ref.) **(Ita)**

[Evolutive peculiarities of streptococcal infections in the year 1980, in the city of Bucharest] Măgureanu E, et al. **Rev Ig [Bacteriol]** 1982 Jan–Mar;27(1):17–22 (Eng. Abstr.) **(Rum)**

[Participation of bacterial superinfection in the clinical evolution of initial viral pneumopathies. Study of the systemic and local immunological changes] Roman S. **Rev Ig [Bacteriol]** 1982 Jan–Mar;27(1):11–6 **(Rum)**

[Viral lesions of the heart as a cause of sudden death] Prokhorova IA. **Arkh Patol** 1981;43(5):78–82 (80 ref.) (Eng. Abstr.) **(Rus)**

[Effect of viral respiratory infections on the development and course of bacterial sepsis] Tsinzerling AV, et al. **Arkh Patol** 1982;44(3):54–9 (Eng. Abstr.) **(Rus)**

[Various problems in the tactics of antibiotic therapy of severe forms of acute pneumonia complicated by respiratory virus diseases in children] Chesik SG, et al. **Pediatriia** 1982 Jan;(1):38–41 (Eng. Abstr.) **(Rus)**

[Pneumatosis intestinalis in children with infectious pathology] Korshunov MF, et al. **Pediatriia** 1981 Jul;(7):35–7 (Eng. Abstr.) **(Rus)**

[Possible role of viral infections in the etiology of diabetes mellitus in children (epidemiological data)] Smirnov VV, et al. **Pediatriia** 1981 Oct;(10):12–5 (Eng. Abstr.) **(Rus)**

[Role of viruses in the etiology of endocrine diseases] Solodovnikova IA, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):66–72 (99 ref.) **(Rus)**

[Features of encephalitis developing against a background of acute respiratory diseases] Dekonenko EP, et al. **Zh Nevropatol Psikhiatr** 1982;82(2):208–12 (Eng. Abstr.) **(Rus)**

[Neurologic manifestations in acute viral respiratory infections] Kostić A, et al. **Srp Arh Celok Lek** 1980 Sep; 108(9):853–62 **(Scc)**

[Joint changes in infectious diseases. 2. Postinfectious (reactive) and viral arthritis] Breitenfeld V. **Reumatizam** 1982;29(2):40–7 (Eng. Abstr.) **(Scr)**

CONGENITAL

Perinatal nonbacterial infections. Dutta D. **Clin Lab Med** 1981 Jun;1(2):377–97 (125 ref.)

Symposium on perinatal infections. **Clin Perinatol** 1981 Oct; 8(3):395–637

Diagnosis of viral infections of the newborn infant. Stagno S. **Clin Perinatol** 1981 Oct;8(3):579–89 (20 ref.)

Preventive and therapeutic approaches to the newborn infant with perinatal viral and toxoplasma infections. Whitley RJ, et al. **Clin Perinatol** 1981 Oct;8(3):591–604 (55 ref.)

DIAGNOSIS

Viral diseases – respiratory: a general practice viewpoint. Connor B. **Aust Fam Physician** 1981 May;10(5):369, 372–4

The applicability of rapid viral diagnosis. Rossier E. **Can Med Assoc J** 1981 Oct 1;125(7):692–3

Use of FITC–protein A in place of fluorescein–conjugated anti–gammaglobulins for rapid virus diagnosis by immunofluorescence. Wood DJ, et al. **J Clin Pathol** 1982 Apr;35(4):472–5

Rapid and reliable method for diagnostic electron microscopy of faeces. Gbewonyo AJ. **J Microsc** 1982 May; 126(Pt 2):191–5

Egg globulins in rapid virus diagnosis. Gardner PS, et al. **J Virol Methods** 1982 May;4(4–5):257–62

Regional diagnostic virology services. Are satellite laboratories necessary? Ray CG, et al. **JAMA** 1982 Mar 5;247(9):1309–10

The rapid diagnosis of viral infections [clinical conference] **Johns Hopkins Med J** 1981 Sep;149(3):126–31

Norwalk virus and rotavirus in travellers' diarrhoea in Mexico [letter] Keswick BH, et al. **Lancet** 1982 Jan 9; 1(8263):109–10

Rapid virological diagnosis [letter] Madeley CR, et al. **Lancet** 1981 Nov 28;2(8257):1229

Infectious diseases in the geriatric patient. Corcoran JG, et al. **Otolaryngol Clin North Am** 1982 May;15(2):421–38

Rapid laboratory diagnosis of infectious diseases. Kumar A, et al. **Primary Care** 1981 Dec;8(4):593–604

Advances in clinical virology. Peterson LR, et al. **Prog Clin Pathol** 1981;8:239–267 (130 ref.)

Rapid laboratory techniques for the diagnosis of viral infections. **WHO Tech Rep Ser** 1981;661:1–60 (32 ref.)

[Electron microscopy in virological diagnosis (author's transl)] Rýc M. **Cesk Epidemiol Mikrobiol Imunol** 1981 Sep; 30(5):297–308 (Eng. Abstr.) **(Cze)**

[Rapid diagnosis of viral diseases] Halonen P. **Duodecim** 1981; 97(17):1375–9 **(Fin)**

[How often can virus diseases be demonstrated? Epidemiologic examinations from a district hospital] Vüllers R, et al. **Fortschr Med** 1981 Nov 12;99(42):1725–30 **(Ger)**

[Possible viral etiology of inner ear diseases (author's transl)] Hamann KF. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov; 60(11):591–2 (Eng. Abstr.) **(Ger)**

[Virus diseases of the central nervous system] Steinmann J, et al. **Med Klin** 1981 Oct 9;76(21):582–6 **(Ger)**

[Fast serologic diagnosis in virus diseases] Lennartz H. **MMW** 1981 Nov 13;123(46):1753–4 **(Ger)**

[Laboratory diagnosis of viral diseases of the skin (author's transl)] Kunz C. **Wien Klin Wochenschr** 1981 Dec 25; 93(24):750–2 (Eng. Abstr.) **(Ger)**

[Evaluation of serological reactions in infectious diseases] Sommergruber D, et al. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):234–9 **(Ger)**

[Observations and microbiological findings in 81 clinical cases of a neuro–respiratory syndrome hospitalized at the Pediatric Intensive Care Center in Naples] Cacciapuoti B. **Ann Ist Super Sanita** 1981;17(4):849–64 **(Ita)**

[Isolation and identification of viral causative agents in an episode of infant mortality occurring in Naples from October 1978 to April 1979] Vecchio G, et al. **Ann Ist Super Sanita** 1981;17(4):789–802 **(Ita)**

[Importance of viral diseases and their diagnostic methods in childhood] Nigro N. **Minerva Pediatr** 1982 Jan 31; 34(1–2):53–6 **(Ita)**

[Age difference in the clinical pictures of infectious diseases] Suzuki S. **Nippon Rinsho** 1981 Jun;39(6):2329–32 **(Jpn)**

[Serodiagnosis of viral infections. Evaluation from clinical stand point] Arai M. **Rinsho Byori** 1982 Mar;30(3):289–97 **(Jpn)**

[Serological diagnosis of virus disease with special reference to medical technology (author's transl)] Ashihara Y, et al. **Rinsho Byori** 1982 Mar;30(3):263–5 **(Jpn)**

[Technics for the detection of IgM antibody (author's transl)] Inouye S. **Rinsho Byori** 1982 Mar;30(3):258–62 **(Jpn)**

[Current status and problems of viral diagnostic reagents in Japan (author's transl)] Okao Y. **Rinsho Byori** 1982 Mar; 30(3):279–88 **(Jpn)**

[The problems in application of ELISA on serological diagnosis of viral infections (author's transl)] Takeda H. **Rinsho Byori** 1982 Mar;30(3):254–7 **(Jpn)**

[Clinical aspects of the outcome of acute viral myocarditis] Goch JH, et al. **Kardiol Pol** 1981;24(7):481–6 (Eng. Abstr.) **(Pol)**

[Principles and clinical usefulness of a rapid method for the detection of acute viral infections] Kaňtoch M. **Pol Arch Med Wewn** 1981 Nov–Dec;66(5–6):337–42 **(Pol)**

[Rapid diagnosis of virus diseases] Peres JN, et al. **AMB** 1981 Aug;27(8):239–40 **(Por)**

[Natural history of persistent virus diseases] Dioşi P. **Rev Ig [Bacteriol]** 1981 Jul–Sep;26(3):155–60 (21 ref.) **(Rum)**

[Single–radial immunohemolysis in agarose gel as a new method of diagnosing viral, bacterial and parasitic diseases] Alexandrescu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1981 Jul–Sep;85(3):527–31 **(Rum)**

[Role of the association of viruses and bacteria in the etiology of acute pneumonia] Volkova VV, et al. **Sov Med** 1982; (4):10–3 **(Rus)**

[Combined course of herpes simplex and acute viral respiratory diseases] Alekseeva AA, et al. **Vestn Dermatol Venerol** 1981;(10):37–9 (Eng. Abstr.) **(Rus)**

[Immunoenzyme diagnosis of infectious diseases] Koroliuk AM, et al. **Voen Med Zh** 1982 Feb;(2):37–9 (12 ref.) **(Rus)**

[Infectious myocarditis: a diagnostic method] Maramaa Sla. **Vopr Revm** 1981 Oct–Dec;(4):39–42 (Eng. Abstr.) **(Rus)**

[Rotavirus gastroenteritis] Drozdov SG. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):7–16 (78 ref.) **(Rus)**

DRUG THERAPY

Effect of immunostimulating agents on viral infections. Zerial A, et al. **Acta Med Acad Sci Hung** 1981;38(3):325–37 (51 ref.)

Antiviral agents: the road from scepticism to efficacy. Galasso GJ. **Acta Microbiol Acad Sci Hung** 1981; 28(3):313–24 (20 ref.)

Antiviral agents for the control of viral diseases. Galasso GJ. **Bull WHO** 1981;59(4):503–12

Pharmacology of antiviral chemotherapeutic agents useful in human viral infections of the nervous system. McKendall RR. **Clin Neuropharmacol** 1982;5(1):115–29 (96 ref.)

Trifluridine: a review of its antiviral activity and therapeutic use in the topical treatment of viral eye infections. Carmine AA, et al. **Drugs** 1982 May;23(5):329–53 (90 ref.)

The clinical use of human leukocyte interferon in viral infections. Ikić D, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Nov; 19(11):498–505 (28 ref.)

A review of approaches to viral chemotherapy. Gordon M, et al. **J Med** 1981;12(5):289–382 (364 ref.)

Chemotherapy of bacterial and virus infections. James DG. **Trans Med Soc Lond** 1980;96:1–22

[Virus diseases treated with isoprinosine and ribavirin (author's transl)] Propper P, et al. **Cas Lek Cesk** 1982 Jan 8;121(1):22–4 (Eng. Abstr.) **(Cze)**

[Antibiotics or not in case of prostatectomy (author's transl)] Depeursinge A, et al. **Ther Umsch** 1982 Apr;39(4):281–4 (Eng. Abstr.) **(Fre)**

[Corticosteroid therapy in acute viral infections of the nervous system] Ackermann R. **MMW** 1982 Jan 22; 124(3):73–4 **(Ger)**

[Corticosteroid therapy of virus infections (author's transl)] Goetz O, et al. **MMW** 1982 Jan 22;124(3):47–52 **(Ger)**

[Antiviral drugs—present status] Schattner A. **Harefuah** 1981 Sep;101(5–6):128–31 **(Heb)**

[Antiviral activity of ARA–A] Pugliese A, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec;73(7–12):133–44 (51 ref.) **(Ita)**

[Effects of the treatment of neonatal infections with methisoprinol] Ansanelli V, et al. **Pediatria (Napoli)** 1981 Mar 31;89(1):19–34 (Eng. Abstr.) **(Ita)**

[Treatment of viral infections in the oral cavity. A short review] Haugen LK. **Nor Tannlaegeforen Tid** 1981 Dec; 91(15):532–4 **(Nor)**

[Use of levamisole in treating chronic viral inflammation of the myocardium] Goch JH, et al. **Kardiol Pol** 1981; 24(11–12):731–6 (Eng. Abstr.) **(Pol)**

[Current problems in the chemotherapy of viral infections] Pershin GN. **Farmakol Toksikol** 1981 May–Jun; 44(3):261–70 (55 ref.) **(Rus)**

[Interaction of viral particles and their replication productions with the plasma membranes of infected cells. New approaches to the chemotherapy of viral infections] Zaides VM, et al. **Vopr Virusol** 1981 Jul–Aug;(4):388–94 (32 ref.) **(Rus)**

[The effect of tromantadine on oral efflorescence] Vrebalov R, et al. **Med Pregl** 1980;33(11–12):525–7 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Activity of some enzymes involved in 'adenylate cycle' in rat embryo cells infected with parvoviruses (X14, H–1). Avola R, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30; 57(22):2241–7

Skeletal muscle lactate dehydrogenase isozymes and fibre composition in viral, mycoplasma and bacterial infections in young and old men. Friman G, et al. **Scand J Clin Lab Invest** 1981 Oct;41(6):551–6

ETIOLOGY

Foodborne Norwalk virus. Griffin MR, et al. **Am J Epidemiol** 1982 Feb;115(2):178–84

Norwalk virus gastroenteritis following raw oyster consumption. Gunn RA, et al. **Am J Epidemiol** 1982 Mar; 115(3):348–51

Acute viral infection of the central nervous system in children: an 8–year review. Wang D, et al. **Can Med Assoc J** 1981 Sep 15;125(6):585–9

Experimental canine parvovirus infection in dogs. Pollock RV. **Cornell Vet** 1982 Apr;72(2):103–19

Measles virus encephalitis and retinopathy in the Wistar rat. Percy DH, et al. **Exp Mol Pathol** 1982 Jun;36(3):435–46

Lennert's lymphoma presenting with clusters of cutaneous infection. Zamora I, et al. **J Am Acad Dermatol** 1981 Oct; 5(4):450–4

Occurrence of infection with a parvovirus–like agent in children with sickle cell anaemia during a two–year period. Anderson MJ, et al. **J Clin Pathol** 1982 Jul;35(7):744–9

Sequential rotavirus diarrhoea caused by virus of same subgroup [letter] Simhon A, et al. **Lancet** 1981 Nov 21; 2(8256):1174

Viral gastroenteritis. Wolf JL, et al. **Med Clin North Am** 1982 May;66(3):575–95 (163 ref.)

[Viral arthritides in man (author's transl)] Schneider P. **MMW** 1981 Dec 4;123(49):1891–4 (Eng. Abstr.) **(Ger)**

[Infectious arthritides. Animal diseases as models of bacterial and viral etiology (author's transl)] Schulz LC. **MMW** 1981 Dec 4;123(49):1881–4 (Eng. Abstr.) **(Ger)**

[Recent knowledge and current questions on the problems of intestinal infections] Karolcek J, et al. **Z Gesamte Hyg** 1981 Oct;27(10):755–61 (Eng. Abstr.) **(Ger)**

[Data on the incidence of infectious complications in acute lymphoblastic leukemia. Case studies of the Pediatric Clinic I of Naples] Casale F, et al. **Pediatria (Napoli)** 1981 Sep 30;89(3):349–63 (Eng. Abstr.) **(Ita)**

[Clinico–epidemiological problems of viral diseases in the developmental age] Krotochwil–Skrzypkowa M. **Przegl Epidemiol** 1981;35(3):327–34 **(Pol)**

[Effect of infective agents the earlier developmental period] Rudkowski Z. **Przegl Epidemiol** 1981;35(3):303–8 **(Pol)**

[Clinical course and etiology of recurrent respiratory tract infections in children] Zychowicz C. **Wiad Lek** 1981 Jul 15;34(14):1185–92 (37 ref.) (Eng. Abstr.) **(Pol)**

[Mixed and concomitant infections] Il'in II. **Vestn Dermatol Venerol** 1982 Mar;(3):45–7 **(Rus)**

FAMILIAL & GENETIC

Genetic determinants of virus susceptibility: epidemiologic implications of murine models. Brinton MA, et al. **Epidemiol Rev** 1981;3:115–39 (153 ref.)

HISTORY

Managing viral diseases—two centuries of progress. Marwick CS. **Am Pharm** 1982 Apr;22(4):36–44

Clarification of the cause of Fort Bragg fever (pretibial fever) – January 1982. Tatlock H. **Rev Infect Dis** 1982 Jan–Feb; 4(1):157–8

Studies on a virus from a patient with Fort Bragg fever (pretibial fever) by Hugh Tatlock (The Journal of Clinical Investigation 26:287–297, 1947). Tatlock H.

Rev Infect Dis 1982 Jan–Feb;4(1):147–56

IMMUNOLOGY

The effect of alcohol ingestion on the susceptibility of mice to viral infections. Cotte J, et al. **Alcoholism (NY)** 1982 Spring;6(2):239–46

Inhibition of 7,12-dimethylbenz(a)anthracene-induced tumors in Syrian hamsters by prior infection with H-1 parvovirus. Toolan HW, et al. **Cancer Res** 1982 Jul; 42(7):2552–5

Acute infection of mice with lactic dehydrogenase virus (LDV) impairs the antigen-presenting capacity of their macrophages. Isakov N, et al. **Cell Immunol** 1982 Jan 15; 66(2):317–32

Evaluation of the human interferon system in viral disease. Levin S, et al. **Clin Exp Immunol** 1981 Dec;46(3):475–83

Natural resistance to tumors and viruses. **Curr Top Microbiol Immunol** 1981;92:1–123

Natural cell-mediated immunity during viral infections. Welsh RM. **Curr Top Microbiol Immunol** 1981;92:83–106 (131 ref.)

Use of viral infections in animal models to assess changes in the immune system. Kern ER. **Environ Health Perspect** 1982 Feb;43:71–9

Lactic dehydrogenase virus (LDV) impairs the antigen-presenting capacity of macrophages yet fails to affect their phagocytic activity. Isakov N, et al. **Immunobiology** 1982;162(1):15–27

The involvement of Lyt-2 antigens in the lysis of virus-infected target cells by antigen specific anti-vesicular stomatitis virus cytotoxic T-lymphocytes. Hale AH. **Immunol Lett** 1981 Aug;3(3):179–81

MHC restriction of anti-viral immunity. **Immunol Rev** 1981; 58:1–180

Induction, control and consequences of virus specific cytotoxic T cells. Finberg R, et al. **Immunol Rev** 1981; 58:157–80 (70 ref.)

Experiments and speculation on antiviral specificity of T and B cells. Zinkernagel RM, et al. **Immunol Rev** 1981; 58:131–55 (114 ref.)

Isolation of Clq-binding virus-antibody immune complexes from lactic dehydrogenase virus (LDV)-infected mice. McDonald TL. **Immunology** 1982 Feb;45(2):365–70

Involvement of cells of hematopoietic origin in genetically determined resistance of Syrian hamsters to vesicular stomatitis virus. Fultz PN, et al. **Infect Immun** 1981 Nov; 34(2):540–9

Conditions required for induction of interferon by rotaviruses and for their sensitivity to its action. McKimm-Breschkin JL, et al. **Infect Immun** 1982 Jun;36(3):857–63

Role of macrophage oxidative metabolism in resistance to vesicular stomatitis virus infection. Rager-Zisman B, et al. **Infect Immun** 1982 Jun;36(3):1229–37

The role of the human major histocompatibility complex in cytotoxic T-cell responses to virus-infected cells. Biddison WE. **J Clin Immunol** 1982 Jan;2(1):1–9 (53 ref.)

Periarteritis in experimental border disease of sheep. III.Immunopathological observations. Gardiner AC, et al. **J Comp Pathol** 1980 Jul;90(3):469–74

Limitation of VSV infection by the host's response to VSV-associated cellular antigens. Hecht TT, et al. **J Immunol** 1982 Oct;129(4):1736–41

Augmentation of delayed-type hypersensitivity to serum proteins by vesicular stomatitis virus infection in mice: virus-suppressor cell interactions. Katsura Y, et al. **J Immunol** 1982 Jul;129(1):362–5

Development of serum and intestinal antibody response to rotavirus after naturally acquired rotavirus infection in man. Riepenhoff-Talty M, et al. **J Med Virol** 1981; 8(3):215–22

C-reactive protein in acute viral infections. Salonen EM, et al. **J Med Virol** 1981;8(3):161–7

Activation and role of natural killer cells in virus infections. Biron CA, et al. **Med Microbiol Immunol (Berl)** 1982; 170(3):155–72

The role of antibody and complement in lysing virus-infected cells. Sissons JG, et al. **Med Microbiol Immunol (Berl)** 1982; 170(4):221–7 (19 ref.)

The complement system: its importance in the host response to viral infection. Hirsch RL. **Microbiol Rev** 1982 Mar; 46(1):71–85 (70 ref.)

Infectious diseases and immunizations. Sever JL. **Rev Infect Dis** 1982 Jan–Feb;4(1):136–46 (62 ref.)

Polymorphonuclear leukocyte function in bacterial and viral infections. Solberg CO, et al. **Scand J Infect Dis** 1982; 14(1):11–8

Relationships between ceruloplasmin and viral immunity. Samuel I, et al. **Virologie** 1982 Jan–Mar;33(1):63–72

[Nitroblue tetrazolium reaction and phagocytosis in communicable diseases] Ferdinandy K, et al. **Orv Hetil** 1981 Nov 15;122(46):2825–6 **(Hun)**

[Effects of inosiplex on host defense against infections (author's transl)] Ohnishi H, et al. **Kansenshogaku Zasshi** 1981 Jul;55(7):479–89 (Eng. Abstr.) **(Jpn)**

[Protective effects of inosiplex in viral infections. Comparison with other immunostimulants (author's transl)] Ohnishi H, et al. **Kansenshogaku Zasshi** 1981 Aug;55(8):551–7 (Eng. Abstr.) **(Jpn)**

[Protective effects of inosiplex in viral infections. The activity of inosiplex and its constituents (author's transl)] Ohnishi H, et al. **Kansenshogaku Zasshi** 1981 Aug;55(8):541–50 (Eng. Abstr.) **(Jpn)**

[Infections and natural killer cell] Sendo F. **Nippon Rinsho** 1981 Jun;39(6):2288–90 **(Jpn)**

[Lymphocyte transformation test in patients with chronic viral myocarditis treated with prednisone] Goch JH, et al. **Pol Tyg Lek** 1982 Apr 5;37(4–5):113–5 (Eng. Abstr.) **(Pol)**

[Comparative characteristics of the activity of lysosomal proteinases in in transplantable cell cultures susceptible and resistant to a specific group of viruses] Tutel'ian VA, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):26–8 (Eng. Abstr.) **(Rus)**

[Immunological characteristics in newborn infants with ARVI and pneumonia] Belogorskaia EV, et al. **Pediatriia** 1982 Feb;(2):15–8 **(Rus)**

[Cellular and humoral immunity status of children with acute respiratory viral and Mycoplasma diseases] Chebotkevich VN, et al. **Pediatriia** 1981 May;(5):53–4 **(Rus)**

[Clinico-immunological characteristics of children with frequent acute respiratory viral infections] Ivanova VV, et al. **Pediatriia** 1982 Apr;(4):7–9 **(Rus)**

[Cellular immunodeficiency in superficial mycoses and cutaneous viroses] Honeyman J, et al. **Med Cutan Iber Lat Am** 1981;9(3):179–82 (Eng. Abstr.) **(Spa)**

METABOLISM

Pool and synthesis of phosphoribosylpyrophosphate in rat embryo cells infected with X14 or H-1 parvovirus. Avola R, et al. **Boll Soc Ital Biol Sper** 1981 Nov 30;57(22):2235–40

Altered G-protein glycosylation in vesicular stomatitis virus-infected glucose-deprived baby hamster kidney cells. Turco SJ, et al. **J Biol Chem** 1982 Aug 10;257(15):8674–9

Theophylline toxicity and viral infections [letter] **Pediatrics** 1982 Sep;70(3):508–9

MICROBIOLOGY

Replication of lactate dehydrogenase-elevating virus in macrophages. 2. Mechanism of persistent infection in mice and cell culture. Stueckemann JA, et al. **J Gen Virol** 1982 Apr;59(Pt 2):263–72

Detection by immune electron microscopy of the Snow Mountain agent of acute viral gastroenteritis. Dolin R, et al. **J Infect Dis** 1982 Aug;146(2):184–9

A theory of virus-induced demyelination in the Landry-Guillain-Barré syndrome. Pepose JS. **J Neurol** 1982;227(2):93–7

Localization by autoradiography of viral proteins in the parenchymal cells of the liver during frog virus 3 induced hepatitis of mice. Bingen A, et al. **J Submicrosc Cytol** 1982 Jan;14(1):55–62

Unlearning about latency. Koprowski H. **Med Microbiol Immunol (Berl)** 1982;170(4):209–19 (29 ref.)

Persistent, slow and latent viral infections. Stroop WG, et al. **Prog Med Virol** 1982;28:1–43 (210 ref.)

Comparative results of respiratory virus isolation attempts in chorioallantoic membrane fragments and embryonated chicken eggs. Samuel I, et al. **Virologie** 1981 Oct–Dec; 32(4):297–303

[Applicable approaches to the fight against viral respiratory diseases] Tyrrell DA. **Bull WHO** 1980;58(5):713–8 **(Fre)**

[Effects of inosiplex on viral growth and experimental viral infections (author's transl)] Ohnishi H, et al. **Kansenshogaku Zasshi** 1981 Jul;55(7):490–500 (Eng. Abstr.) **(Jpn)**

[Subclinical infection] Fujii R, et al. **Nippon Rinsho** 1981 Jun; 39(6):2324–8 **(Jpn)**

[Infections of the central nervous system] **Rinsho Shinkeigaku** 1981 Dec;21(12):1047–73 **(Jpn)**

[Discussion on K. G. Umanskii's article, 'The Ubiquity of Viruses and the Presumption of Innocence (Facts and Concept)', published in Arkhiv patologii No. 10, 1980 (pp. 76–81)] **Arkh Patol** 1981;43(10):53–7 **(Rus)**

OCCURRENCE

Norwalk gastrointestinal illness: an outbreak associated with swimming in a recreational lake and secondary person-to-person transmission. Baron RC, et al. **Am J Epidemiol** 1982 Feb;115(2):163–72

Norwalk virus enteric illness acquired by swimming exposure. Koopman JS, et al. **Am J Epidemiol** 1982 Feb; 115(2):173–7

Norwalk-related viral gastroenteritis due to contaminated drinking water. Taylor JW, et al. **Am J Epidemiol** 1981 Oct;114(4):584–92

Waterborne gastroenteritis due to the Norwalk agent: clinical and epidemiologic investigation. Wilson R, et al. **Am J Public Health** 1982 Jan;72(1):72–4

Epidemiology of Norwalk gastroenteritis and the role of Norwalk virus in outbreaks of acute nonbacterial gastroenteritis. Kaplan JE, et al. **Ann Intern Med** 1982 Jun; 96(6 Pt 1):756–61

Virus warts in meat handlers. Wall LM, et al. **Contact Dermatitis** 1981 Sep;7(5):259–67

Nosocomial viral infections: I. Epidemiology and significance. Valenti WM, et al. **Infect Control** 1980 Jan–Feb;1(1):33–7

Acquisition of serum antibody to Norwalk Virus and rotavirus and relation to diarrhea in a longitudinal study of young children in rural Bangladesh. Black RE, et al. **J Infect Dis** 1982 Apr;145(4):483–9

Gastroenteritis due to Norwalk virus: an outbreak associated with a municipal water system. Kaplan JE, et al. **J Infect Dis** 1982 Aug;146(2):190–7

Astrovirus-associated epidemic gastroenteritis in Japan. Konno T, et al. **J Med Virol** 1982;9(1):11–7

A survey of rotavirus infection in the topics. Urasawa S, et al. **Jpn J Med Sci Biol** 1981 Oct;34(5):293–8

Evidence for a food additive as a cause of ketosis-prone diabetes. Helgason T, et al. **Lancet** 1981 Oct 3; 2(8249):716–20

U. K. prevalence of delta infection [letter] Tedder RS, et al. **Lancet** 1982 Oct 2;2(8301):764–5

Breast-feeding and respiratory virus infection. Frank AL, et al. **Pediatrics** 1982 Aug;70(2):239–45

Viral ocular infections now in Tunisia. Mabrouk R. **Rev Int Trach Pathol Ocul Trop Subtrop** 1980;57(4):63–70 **(Eng, Fre)**

[Investigation on incidence of virus myocarditis in children (author's transl)] **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1982; 4(1):28–31 (Eng. Abstr.) **(Chi)**

[Norwalk-like viruses as probable etiological agents in the epidemic of non-bacterial gastroenteritis (author's transl)] Bručková M, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Mar;31(2):67–72 (Eng. Abstr.) **(Cze)**

[1980 annual survey of diagnostic and epidemiologic virus studies in the Netherlands] Kapsenberg JG, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):450–5 **(Dut)**

[World epidemiological situation: viral disease incidence (author's transl)] Rodhain F. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):630–5 (Eng. Abstr.) **(Fre)**

[Acute respiratory syndromes caused by viruses in a pediatric department. Clinical and epidemiological studies of a series of cases admitted in the period from February to May, 1975] Tanzi ML, et al. **Ann Sclavo** 1981 Jan–Feb; 23(1):64–86 (Eng. Abstr.) **(Ita)**

[Respiratory viral diseases in infants (epidemiological study of the 3-year period of 1978–1981)] Longo Papadia L, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):52–9 (Eng. Abstr.) **(Ita)**

[Canine parvovirus infection in a group of beagles (author's transl)] Baba M, et al. **Jikken Dobutsu** 1981 Apr;30(2):141–4 (Eng. Abstr.) **(Jpn)**

[Characteristics of patients hospitalized in the Pediatric Infectious Disease Clinic 1970–1979 in relation to the general epidemiological situation in Poland] Gutowska Z. **Przegl Epidemiol** 1981;35(4):455–62 (Eng. Abstr.) **(Pol)**

[Incidence of intrauterine infections caused by respiratory viruses and Myc. pneumoniae and the role of serological studies in their diagnosis] Tsinzerling AV, et al. **Arkh Patol** 1982;44(1):24–9 (Eng. Abstr.) **(Rus)**

[Preventive BCG vaccination and the incidence of acute respiratory viral infections in a rural region] Shlapkauskalte D, et al. **Pediatriia** 1981;(8):76–7 **(Rus)**

[Rotaviruses as a cause of an epidemic of acute gastroenteritis] Krstić L, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):381–2 **(Ser)**

[The range of diseases in boat refugees. Report from a refugee camp in Flen] Stegmayr B, et al. **Lakartidningen** 1981 Sep 23;78(39):3397–9 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Transmission and scanning electron microscopic study peripheral blood immunoblasts of a splenectomized patient. Djaldetti M. **Acta Haematol (Basel)** 1981;66(2):134–9

Experimental models of virus-induced demyelination of the central nervous system. Dal Canto MC, et al. **Ann Neurol** 1982 Feb;11(2):109–27 (100 ref.)

Viral exanthems. Cherry JD. **DM** 1982 May;28(8):1–56

Pathology of the placenta, membranes, and umbilical cord in bacterial, fungal, and viral infections in man. Blanc WA. **Monogr Pathol** 1981;(22):67–132 (106 ref.)

Viral infections of the fetus and the neonate. Rosenberg HS, et al. **Monogr Pathol** 1981;(22):133–200 (179 ref.)

Changes in hemopoiesis of mice of the C3H strain following transplantation of Gardner lymphosarcoma and infection with LDH-virus. II. Spleen and bone marrow. Viktora L, et al. **Neoplasma** 1981;28(1):87–93

[Isolation and culture of sinusoidal cells from human and murine liver: a new approach for the study of the viral infections of the liver (author's transl)] Kirn A, et al. **Gastroenterol Clin Biol** 1982 Mar;6(3):283–93 (Eng. Abstr.) **(Fre)**

[Pathogenesis of viral encephalitis (author's transl)] Schlesinger RW. **Dtsch Med Wochenschr** 1982 Jan 22; 107(3):105–10 **(Ger)**

[Persistent infections induced by viral agents in animals] Cilli V, et al. **Boll Ist Sieroter Milan** 1981 Nov;60(5):355–68 (78 ref.) (Eng. Abstr.) **(Ita)**

[Demyelinating processes of a viral nature] Konovalov GV, et al. **Arkh Patol** 1981;43(11):92–7 (55 ref.) (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Virally induced alterations in cellular permeability: a basis of cellular and physiological damage? Pasternak CA, et al. **Biosci Rep** 1981 Jun;1(6):431–48 (153 ref.)

Experimental canine parvovirus infection in dogs. Pollock RV. **Cornell Vet** 1982 Apr;72(2):103–19

PREVENTION & CONTROL

Immunization of hospital staff against infectious diseases. Geddes AM. **J Hosp Infect** 1981 Sep;2(3):205–6

Human interferons protect plants from virus infection. Orchansky P, et al. **Proc Natl Acad Sci USA** 1982 Apr; 79(7):2278–80

Benefits, risks and costs of viral vaccines. Koplan JP, et al. **Prog Med Virol** 1982;28:180–91 (32 ref.)

Index to immunization. Bingham B. **Va Med** 1982 Jun; 109(6):373–9

An algorithm for the optimization of programmes aimed at the prevention and control of virus diseases. Cristea A. **Virologie** 1981 Oct–Dec;32(4):281–8

[Vaccines against virus diseases] Deinhardt F. **Verh Dtsch Ges Inn Med** 1981;87:173–88 **(Ger)**

[Exogenous virus diseases and maximum containment facilities (author's transl)] Kitamura T. **Uirusu** 1980 Dec; 30(2):87–97 **(Jpn)**

[Vaccination in the prevention and control of infectious diseases] Magdzik W. **Przegl Epidemiol** 1981;35(3):365–72 **(Pol)**

THERAPY

Effect of immunostimulating agents on viral infections. Zerial A, et al. **Acta Microbiol Acad Sci Hung** 1981;28(3):325–37

Viral diseases – respiratory: a general practice viewpoint. Connor B. **Aust Fam Physician** 1981 May;10(5):369, 372–4

Viral respiratory diseases: vaccines and antivirals. Lennette EH. **Bull WHO** 1981;59(3):305–24

Treatment of life–threatening viral infections with interferon alpha: pharmacokinetic studies in a clinical trial. Levin S, et al. **Isr J Med Sci** 1982 Apr;18(4):439–46

Common viral infections of the skin and their treatment. Smith EB, et al. **Med Clin North Am** 1982 Jul;66(4):807–17

Intrathecal use of interferon in encephalitis [letter] Prange H, et al. **N Engl J Med** 1981 Nov 19;305(21):1283–4

[Clinical features of inflammatory bowel disease (author's transl)] Leuschner U, et al. **Acta Med Austriaca** 1982; 9(1):9–17 (Eng. Abstr.) **(Ger)**

[Current problems in medical virology. VI. Virostatics––what we need and what we have] Schroeder C, et al. **Z Arztl Fortbild (Jena)** 1981 Apr 1;75(7):223–9 **(Ger)**

[Therapeutic procedures in recurrent respiratory tract infections in children] Zychowicz C. **Wiad Lek** 1981 Aug 15;34(16):1369–75 (Eng. Abstr.) **(Pol)**

[Rendering medical care to patients with influenza and other acute viral diseases complicated by pneumonia] Zlydnikov DM, et al. **Klin Med (Mosk)** 1982 Jan;60(1):27–30 **(Rus)**

[Stage–specific treatment of patients with influenza and other acute viral diseases and their complicating pneumonias] Zlydnikov DM, et al. **Ter Arkh** 1982;54(4):44–7 (Eng. Abstr.) **(Rus)**

[Treatment of respiratory viral infections in infants and small children] Vujošević M, et al. **Srp Arh Celok Lek** 1980 Dec; 108(12):1305–14 (Eng. Abstr.) **(Scc)**

TRANSMISSION

Management strategies for viral infections of the fetus and newborn. Kaul A. **Indian J Pediatr** 1981 Sep–Oct; 48(394):627–34

Nosocomial viral infections: IV. Guidelines for cohort isolation, the communicable disease survey, collection, and transport of specimens for virus isolation, and considerations for the future. Valenti WM, et al. **Infect Control** 1981 May–Jun;2(3).236–45

BK papovavirus infections in renal transplant recipients: contribution of donor kidneys. Andrews C, et al. **J Infect Dis** 1982 Feb;145(2):276

Convergence to equilibrium states for a reaction–diffusion system modelling the spatial spread of a class of bacterial and viral diseases. Capasso V, et al. **J Math Biol** 1981; 13(2):173–84

VETERINARY

Vaccination against porcine parvovirus infection. Sørensen KJ, et al. **Acta Vet Scand** 1981;22(2):171–9

Persistent viral infections of food animals: their relevance to the international movement of livestock and germ plasm. Gibbs EP. **Adv Vet Sci Comp Med** 1981;25:71–100 (124 ref.)

Frequency of bluetongue and bovine parvovirus infection in cattle in South Carolina diary herds. Barnes MA, et al. **Am J Vet Res** 1982 Jun;43(6):1078–80

Role of the rat in the transmission of porcine parvovirus. Cutler R, et al. **Am J Vet Res** 1982 Mar;43(3):493–6

Effect of porcine parvovirus serostatus on the reproductive performance of mated gilts in an infected herd. Cutler RS, et al. **Am J Vet Res** 1982 Jun;43(6):935–7

Stability of viability and immunizing potency of lyophilized, modified equine arteritis live–virus vaccine. Harry TO, et al. **Am J Vet Res** 1981 Sep;42(9):1501–5

Immunologic responses of the bovine fetus to parvovirus infection. Liggitt HD, et al. **Am J Vet Res** 1982 Aug; 43(8):1355–9

Reproductive performance of gilts exposed to porcine parvovirus at 56 or 70 days of gestation. Mengeling WL, et al. **Am J Vet Res** 1981 Dec;42(12):2074–6

Border disease virus isolation from postpartum ewes [letter] Roeder PL. **Am J Vet Res** 1982 Jul;43(7):1322

Detection of astroviruses in feces of a cat with diarrhea. Brief report. Hoshino Y, et al. **Arch Virol** 1981;70(4):373–6

Increased incidence of bovine papular stomatitis in neonatal calves. Snider TG 3d, et al. **Arch Virol** 1982;71(3):251–8

Protozoan and viral infections of feral cats. Coman BJ, et al. **Aust Vet J** 1981 Jul;57(7):319–23

A survey of virus infection in sub–antarctic penguins on Macquarie Island, Southern Ocean. Morgan IR, et al. **Aust Vet J** 1981 Jul;57(7):333–5

Haemorrhagic enteritis syndrome of turkeys [letter] Tham VL, et al. **Aust Vet J** 1981 Jul;57(7):353–4

Modern diagnostic methods in practice: aids to diagnosis of virological diseases. McFerran JB, et al. **Br Vet J** 1981 Sep–Oct;137(5):455–63

Successful experimental challenge of dogs with canine parvovirus–2. Carman S, et al. **Can J Comp Med** 1982 Jan; 46(1):33–8

The failure of an inactivated mink enteritis virus vaccine in four preparations to provide protection to dogs against challenge with canine parvovirus–2. Carman S, et al. **Can J Comp Med** 1982 Jan;46(1):47–50

Experimental parvovirus infection in dogs. Potgieter LN, et al. **Can J Comp Med** 1981 Jul;45(3):212–6

Development of a vaccine incorporating killed virus of canine origin for the prevention of canine parvovirus infection. Povey C. **Can Vet J** 1982 Jan;23(1):15–21

Vesicular diseases: recent advances and concepts of control. Watson WA. **Can Vet J** 1981 Oct;22(10):311–20 (39 ref.)

Metabolic–morphologic characteristics of the integument of teleost fish with mature lymphocystis nodules. Spitzer RH, et al. **Cell Tissue Res** 1982;222(2):339–57

Viral diarrhea of young animals: a review. Cilli V, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(3–4):229–42 (107 ref.)

Biologics used for serodiagnostics of fish pathogens (viruses). **Dev Biol Stand** 1981;49:1–82

Canine parvovirus infection. McCandlish IA, et al. **In Pract** 1981 May;3(3):5–14

Radiographic appearance of canine parvovirus enteritis. Farrow CS. **J Am Vet Med Assoc** 1982 Jan 1;180(1):43–7

Parvovirus infection and distemper vaccination [letter] Glickman LT, et al. **J Am Vet Med Assoc** 1981 May 15; 178(10):1029–31

Field evaluation of a canine parvovirus vaccination program, using feline origin modified live virus vaccine. Gordon JC, et al. **J Am Vet Med Assoc** 1982 Jun 15;180(12):1429–31

Canine parvovirus infection potentiates canine distemper encephalitis attributable to modified live–virus vaccine. Krakowka S, et al. **J Am Vet Med Assoc** 1982 Jan 15; 180(2):137–9

Generalized parvovirus disease in neonatal pups. Lenghaus C, et al. **J Am Vet Med Assoc** 1982 Jul 1;181(1):41–5

Maternally derived immunity to canine parvovirus infection: transfer, decline, and interference with vaccination. Pollock RV, et al. **J Am Vet Med Assoc** 1982 Jan 1;180(1):37–42

Parvovirus–distemper relationship [letter] Rottman WL, et al. **J Am Vet Med Assoc** 1981 Aug 15;179(4):318–9

Viral infections common to human and nonhuman primates. Soave O. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1385–8 (31 ref.)

Radiographic diagnosis of parvoviral enteritis [letter] Watrous BJ. **J Am Vet Med Assoc** 1982 Jun 1; 180(11):1268–70

Toxigenic Clostridium perfringens from a parvovirus–infected dog. Tilton RC, et al. **J Clin Microbiol** 1981 Dec;14(6):697–8

The distribution and significance of border disease viral antigen in infected lambs and foetuses. Gardiner AC. **J Comp Pathol** 1980 Oct;90(4):513–8

Synovitis and bovine syncytial virus isolation in experimentally induced malignant catarrhal fever. Liggitt HD, et al. **J Comp Pathol** 1980 Oct;90(4):519–33

Canine parvovirus myocarditis: clinical signs and pathological lesions encountered in natural cases. Bastianello SS. **J S Afr Vet Assoc** 1981 Jun;52(2):105–8

Haemobartonella canis (Kiküth, 1928) in the blood of dogs with parvovirus disease. Gretillat S. **J Small Anim Pract** 1981 Oct;22(10):647–53

Serological survey for SV5, measles and herpes simplex infections in newly–imported cynomolgus monkeys. Suzuki M, et al. **Jpn J Med Sci Biol** 1981 Apr;34(2):69–80

Natural virus infections in cynomolgus monkeys. Suzuki M. **Jpn J Med Sci Biol** 1981 Aug;34(4):261–3

Secondary infection of rat lungs with Pasteurella pneumotropica after Kilham rat virus infection. Carthew P, et al. **Lab Anim** 1981 Jul;15(3):219–21

Breed susceptibili[illegible] to parvovirus. Rowley J. **Mod Vet Pract** 1981 Nov;62(11):872–3

Isolation of reovirus type 1 from calves in Japan. Goto Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Winter; 21(4):182–3

Studies on canine parvovirus isolation, experimental infection and serologic survey. Azetaka M, et al. **Nippon Juigaku Zasshi** 1981 Apr;43(2):243–55

Electron microscopic findings on epithelial cells of Lieberkühn's crypts in canine parvovirus infection. Yasoshima A, et al. **Nippon Juigaku Zasshi** 1982 Feb; 44(1):81–8

Canine parvovirus infection [letter] Blunt MH. **NZ Vet J** 1980 Dec;28(12):267

Lymphocystis disease in imported tropical fish. Durham PJ, et al. **NZ Vet J** 1981 Jun;29(6):88–91

Impaired nutrient utilization associated with pale bird syndrome in broiler chicks. Lilburn MS, et al. **Poult Sci** 1982 Mar;61(3):608–9

Thermal processing to inactivate viruses in meat products. McKercher PD, et al. **Proc Annu Meet US Anim Health Assoc** 1980;84:320–8

Preventive medicine for some economically important bovine virus diseases. Heuschele WP. **Vet Clin North Am [Large Anim Pract]** 1981 Nov; 3(2):403–15

Value and limitations of haematology in viral infections in horses. Allen BV, et al. **Vet Rec** 1982 Apr 10;110(15):348

Vaccination against canine parvovirus disease [letter] Churchill AE. **Vet Rec** 1982 Apr 3;110(14):344

Vaccination against canine parvovirus disease [letter] Folkers C, et al. **Vet Rec** 1982 Mar 6;110(10):235

Canine parvovirus infection in housed raccoon dogs and foxes in Finland. Neuvonen E, et al. **Vet Rec** 1982 May 8;110(19):448–9

Canine parvovirus infection in Australia during 1980. Sabine M, et al. **Vet Rec** 1982 Jun 12;110(23):551–3

Concomitant occurrence of Campylobacter and parvoviruses in dogs with gastroenteritis. Sandstedt K, et al. **Vet Res Commun** 1981 Apr;4(4):271–3

FV–1 restriction of age–dependent paralytic lactic dehydrogenase virus infection. Pease LR, et al. **Virology** 1982 Feb;117(1):29–37

Duration of immunity in dogs inoculated with an inactivated feline parvovirus vaccine. Chapek ML, et al. **VM SAC** 1981 Sep;76(9):1319–24

Parvovirus: a few observations from a practitioner. Erbeck DH. **VM SAC** 1981 Dec;76(12):1755–8

[Acute viral enteritis in dogs] Jelinek F. **Cesk Patol** 1982 May;18(2):74–80 (Eng. Abstr.) **(Cze)**

[Parvovirus enteritis and myocarditis in a confined colony of beagles. (The 1st detection of parvovirus infection in Czechoslovakia] Vortel V, et al. **Cesk Patol** 1982 May; 18(2):65–73 (Eng. Abstr.) **(Cze)**

[Detection of PI–3 viruses, BVD–MD viruses and parvoviruses in bovine fetuses after experimental intrauterine infections] Menšík J, et al. **Vet Med (Praha)** 1981 Dec;26(12):701–7 (Eng. Abstr.) **(Cze)**

[Multiplication of the IBR, PI–3 and BVD–MD viruses in cell and organ cultures of bovine fetuses after experimental intrauterine infections] Menšík J, et al. **Vet Med (Praha)** 1981 Dec;26(12):709–19 (Eng. Abstr.) **(Cze)**

[Electron microscopy of parvoviruses and rotaviruses in canine enteritis] Valíček L, et al. **Vet Med (Praha)** 1981 Nov;26(11):691–4 (Eng. Abstr.) **(Cze)**

[The fluorescent antibody technique in the diagnosis of a number of poultry diseases: manufacture of conjugates and use (author's transl)] Hilbink F, et al. **Tijdschr Diergeneeskd** 1982 Mar 1;107(5):167–73 (Eng. Abstr.) **(Dut)**

[Parvovirus infection of an Alsatian. (Brief report)] Feddersen D. **DTW** 1981 Sep 5;88(9):382 **(Ger)**

[Rapid serologic diagnosis of canine parvo–virus enteritis by the demonstration of virus–specific IgM antibodies (author's transl)] Maess J, et al. **DTW** 1982 Apr 6; 89(4):152–5 (Eng. Abstr.) **(Ger)**

[Comparative light and electron microscopic demonstration of virus–induced inclusion bodies] Pospischil A. **Zentralbl Veterinarmed [B]** 1981;28(9–10):789–807 **(Ger)**

VIRUS INDUCTION see **VIRUS ACTIVATION**

VIRUS INHIBITORS

Antiviral activities of amniotic fluid. Cesario T, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):403–7

ANALYSIS

Effect of fractions of Ethiopian And Norwegian colostrum on rotavirus and Escherichia coli heat–labile enterotoxin. Otnaess AB, et al. **Infect Immun** 1981 Aug;33(2):459–66

BIOSYNTHESIS

[Identification of the isoadenylate synthetase in the messenger RNA translation products of antiviral proteins] Sokolova TM, et al. **Vopr Virusol** 1981 May–Jun;(3):339–47 (Eng. Abstr.) **(Rus)**

METABOLISM

Transfer of mouse anti–xenotropic virus neutralizing factor to human lipoproteins. Levy JA, et al. **J Virol** 1982 May; 42(2):365–71

PHARMACODYNAMICS

Lipopolysaccharide requirement of phage T6 inactivation in Escherichia coli K12. Yamato I, et al. **Ann Microbiol (Paris)** 1982 Mar–Apr;133(2):205–7

VIRUS RECEPTORS see **RECEPTORS, VIRUS**

VIRUS REPLICATION

Ultrastructural studies on the replication of herpes simplex virus in PK and XTC–2 cells. Ciampor F, et al. **Acta Virol (Praha)** 1982 Jan;26(1–2):67–72

Multiplicity reactivation with reoviruses. Hossain A. **Acta Virol (Praha)** 1982 Jan;26(1–2):105–8

Coronavirus cell-associated RNA-dependent RNA polymerase Dennis DE, et al. **Adv Exp Med Biol** 1981; 142:155–70

Evolution of a coronavirus during persistent infection in vitro. Holmes KV, et al. **Adv Exp Med Biol** 1981; 142:287–99

The avian coronavirus multiplication strategy. Stern D, et al. **Adv Exp Med Biol** 1981;142:185–91

Eukaryotic DNA replication: viral and plasmid model systems. Challberg MD, et al. **Annu Rev Biochem** 1982; 51:901–34

Growth of avian and human influenza viruses in organ cultures of duck and chicken colons. Ohta C, et al. **Arch Virol** 1981;70(2):137–45

Localization of foot-and-mouth disease--RNA synthesis on newly formed cellular smooth membranous vacuoles. Polatnick J, et al. **Arch Virol** 1982;71(3):207–15

Morphogenesis of human rotavirus type 2 Wa strain in MA 104 cells. Suzuki H, et al. **Arch Virol** 1981;70(1):33–41

Relation of Bovine leukosis virus production on cell growth cycle. Takashima I, et al. **Arch Virol** 1981;69(2):141–8

The effect of incubation temperature on the propagation of duck adenovirus (virus 127-like) in duck and chicken cells. Gulka CM, et al. **Avian Dis** 1982 Apr-Jun;26(2):354–9

In vitro infection of fractionated chicken lymphocytes by infectious bursal disease virus. Nakai T, et al. **Avian Dis** 1981 Oct-Dec;25(4):831–8

Growth and infectivity titration of virulent infectious bursal disease virus in established cell lines from lymphoid leukosis tumors. Yamaguchi S, et al. **Avian Dis** 1981 Oct-Dec; 25(4):927–35

Both parental deoxyribonucleic acid strands at each replication fork of replicating simian virus 40 chromosomes are cut by a single-strand-specific endonuclease. Tsubota Y, et al. **Biochemistry** 1982 May 25;21(11):2713–8

Detection of complementary RNA intermediates of viroid replication by Northern blot hybridization. Rohde W, et al. **Biosci Rep** 1981 Apr;1(4):327–36

Potential of intense gamma-irradiation of host cells for analysis of virus-specified transcription and replication. Silver M, et al. **Can J Biochem** 1982 Mar;60(3):279–83

Sensitivity of seven different types of cell cultures to three serotypes of foot-and-mouth disease virus. House JA, et al. **Can J Comp Med** 1982 Apr;46(2):186–9

Influenza virus, an RNA virus, synthesizes its messenger RNA in the nucleus of infected cells. Herz C, et al. **Cell** 1981 Nov;26(3 Pt 1):391–400

The origins of defective interfering particles of the negative-strand RNA viruses. Lazzarini RA, et al. **Cell** 1981 Oct;26(2 Pt 2):145–54 (74 ref.)

The mechanism of cytoplasmic orthopoxvirus DNA replication. Moyer RW, et al. **Cell** 1981 Dec;27(2 Pt 1):391–401

Instability of transposase activity: evidence from bacteriophage mu DNA replication. Pato ML, et al. **Cell** 1982 May;29(1):219–25

Arrest of segregation leads to accumulation of highly intertwined catenated dimers: dissection of the final stages of SV40 DNA replication. Sundin O, et al. **Cell** 1981 Sep; 25(3):659–69

Mechanism of bacteriophage Mu DNA transposition. Chaconas G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:311–22

Two pathways in bacteriophage Mu transposition? Kamp D, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:329–36

Regulation of the integration-excision reaction by bacteriophage lambda. Miller HI, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:439–45

Site-specific recombination and its role in the life cycle of bacteriophage P1. Sternberg N, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:297–309

Regulation of integration and replication functions of bacteriophage Mu. van de Putte P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 1:347–53

Replication of herpesvirus DNA. Ben-Porat T. **Curr Top Microbiol Immunol** 1981;91:81–107 (99 ref.)

Retroviral gene expression. Hayward WS, et al. **Curr Top Microbiol Immunol** 1981;91:217–76 (325 ref.)

Plant cell cultures and protoplasts in plant virus research. Mühlbach HP. **Curr Top Microbiol Immunol** 1982; 99:81–129 (190 ref.)

The structure and replication of coronaviruses. Siddell S, et al. **Curr Top Microbiol Immunol** 1982;99:131–63 (161 ref.)

Cell and virus propagation on cylindrical cellulose based microcarriers. Reuveny S, et al. **Dev Biol Stand** 1981; 50:115–23

Preferential association of uracil-DNA glycosylase activity with replicating SV40 minichromosomes. Krokan H. **FEBS Lett** 1981 Oct 12;133(1):89–91

Mycoplasma-virus contacts, budding and scars remaining in the membranes of Acholeplasma laidlawii and its virus. Liška B, et al. **Folia Microbiol (Praha)** 1981;26(4):294–9

Hepatitis B virus DNA in the sera of HBsAg carriers: a marker of active hepatitis B virus replication in the liver. Bonino F, et al. **Hepatology** 1981 Sep-Oct;1(5):386–91

Electron microscopic studies of Dane particles in hepatocytes with special reference to intracellular development of Dane particles and their relation with HBeAg in serum. Kamimura T, et al. **Hepatology** 1981 Sep-Oct;1(5):392–7

Dane particle-associated hepatitis B e antigen in patients with chronic hepatitis B virus infection and hepatitis B e antibody. Raimondo G, et al. **Hepatology** 1982 Jul-Aug; 2(4):449–54

Organotropism of the lymphoproliferative disease virus (LPDV) of turkeys. Gazit A, et al. **Int J Cancer** 1982 May 15;29(5):599–604

Decay of Moloney leukemia virus production after enucleation of chronically infected mouse cells. Ber R, et al. **Isr J Med Sci** 1981 Aug;17(8):690–6

Involvement of host cell gene products in conversion of bacteriophage S13 single-stranded DNa to duplex replicative form DNA in vitro. Watabe K, et al. **J Biochem (Tokyo)** 1981 Sep;90(3):779–83

Studies on the restriction of ecotropic murine retrovirus replication in mouse teratocarcinoma cells. D'Auriol L, et al. **J Gen Virol** 1981 Jul;55(Pt 1):117–22

Varicella-zoster virus infection of diploid and chemically transformed guinea-pig embryo cells: factors influencing virus replication. Edmond BJ, et al. **J Gen Virol** 1981 Jun; 54(Pt 2):403–7

Host restriction property of a vesicular stomatitis virus mutant isolated from carrier cultures. Thacore HR, et al. **J Gen Virol** 1981 Jun;54(Pt 2):449–53

Chronic hepatitis B: correlation between viral replication and clinical course. Kinoshita R, et al. **J Infect Dis** 1981 Oct; 144(4):303–6

Temporary disappearance of viral replication in hepatitis B surface antigen-positive, severe chronic active hepatitis. Schalm SW, et al. **J Infect Dis** 1981 Sep;144(3):282

Comparison of human cytomegalovirus growth in MRC-5 human fibroblasts, brain, and choroid plexus cells in vitro. Wroblewska Z, et al. **J Med Virol** 1981;8(4):245–56

Replication of a plasmid containing two origins of bacteriophage. Dotto GP, et al. **J Mol Biol** 1981 Nov 25; 153(1):169–76

Pf1 bacteriophage replication--assembly complex. X-ray fibre diffraction and scanning transmission electron microscopy. Kneale GG, et al. **J Mol Biol** 1982 Apr 5; 156(2):279–92

Stimulation of polyoma DNA replication in isolated nucleoprotein complexes by factors from Drosophila embryos. Mastromei G, et al. **J Mol Biol** 1981 Oct 5; 151(4):627–43

Pathogenesis of mouse scrapie: patterns of agent replication in different parts of the CNS following intraperitoneal infection. Kimberlin RH, et al. **J R Soc Med** 1982 Aug; 75(8):618–24

A dynamic model for in vivo virus replication. MacCarthy JE, et al. **J Theor Biol** 1981 May 21;90(2):265–81

Inhibition of Sindbis virus maturation after treatment of infected cells with trypsin. Adams RH, et al. **J Virol** 1982 Feb;41(2):692–702

In vitro and in vivo inhibition of primary transcription of vesicular stomatitis virus by a defective interfering particle. Bay PH, et al. **J Virol** 1982 Jan;41(1):172–82

Morphogenesis of bacteriophage phi 29 of Bacillus subtilis: DNA-gp3 intermediate in in vivo and in vitro assembly. Bjornsti MA, et al. **J Virol** 1982 Feb;41(2):508–17

Isolation of a replication-efficient mutant of West Nile virus from a persistently infected genetically resistant mouse cell culture. Brinton MA. **J Virol** 1981 Aug;39(2):413–21

Transforming genes among three different oncogenic subgroups of human adenoviruses have similar replicative functions. Brusca JS, et al. **J Virol** 1981 Jul;39(1):300–5

Herpes simplex virus types 1 and 2 completely help adenovirus-associated virus replication. Buller RM, et al. **J Virol** 1981 Oct;40(1):241–7

Initiation of adenovirus DNA replication: detection of covalent complexes between nucleotide and the 80-kilodalton terminal protein. Challberg MD, et al. **J Virol** 1982 Jan;41(1):265–70

Establishment of infection by spleen necrosis virus: inhibition in stationary cells and the role of secondary infection. Chen IS, et al. **J Virol** 1982 Jan;41(1):183–91

Studies with aphidicolin on the Fv-1 host restriction of Friend murine leukemia virus. Chinsky J, et al. **J Virol** 1982 Jul;43(1):182–90

Fv-1 host restriction of Friend leukemia virus: analysis of unintegrated proviral DNA. Chinsky J, et al. **J Virol** 1981 Oct;40(1):45–55

Semiconservative DNA replication is initiated at a single site in recombination-deficient gene 32 mutants of bacteriophage T4. Dannenberg R, et al. **J Virol** 1981 Dec; 40(3):890–900

Synthesis of vesicular stomatitis virus negative-strand RNA in vitro: dependence on viral protein synthesis. Davis NL, et al. **J Virol** 1982 Mar;41(3):821–32

RNA-dependent RNA polymerase activity in coronavirus-infected cells. Dennis DE, et al. **J Virol** 1982 Apr; 42(1):153–64

Synthesis of murine leukemia viral DNA in vitro: evidence for plus-strand DNA synthesis at both ends of the genome. DesGroseillers L, et al. **J Virol** 1982 Apr;42(1):326–30

Frog virus 3 DNA replication occurs in two stages. Goorha R. **J Virol** 1982 Aug;43(2):519–28

Late events in T4 bacteriophage DNA replication. III. Specificity of DNA reinitiation as revealed by hybridization to cloned genetic fragments. Halpern M, et al. **J Virol** 1982 May;42(2):422–31

Plasmid pR386 renders Escherichia coli cells restrictive to the growth of bacteriophage T4 unf mutants. Herman RE, et al. **J Virol** 1982 Jan;41(1):330–3

Coliphage 186 infection requires host initiation functions dnaA and dnaC. Hooper I, et al. **J Virol** 1981 Nov; 40(2):599–601

Structure of replicating herpes simplex virus DNA. Jongeneel CV, et al. **J Virol** 1981 Aug;39(2):656–60

Proteins containing only half of the coding information of early region 1b of adenovirus are functional in human cells transformed with the herpes simplex virus type 1 thymidine kinase gene and adenovirus type 2 DNA. Klessig DF, et al. **J Virol** 1982 Feb;41(2):423–34

Involvement of the bacterial groM gene product in bacteriophage T7 reproduction. I. Arrest at the level of DNA packaging. Kuhn AH, et al. **J Virol** 1982 Feb; 41(2):657–73

Effect of deletions in adenovirus early region 1 genes upon replication of adeno-associated virus. Laughlin CA, et al. **J Virol** 1982 Mar;41(3):868–76

Partial replication of UV-irradiated T4 bacteriophage DNA results in amplification of specific genetic areas. Ling SK, et al. **J Virol** 1981 Nov;40(2):403–10

Focus formation and neoplastic transformation by herpes simplex virus type 2 inactivated intracellularly by 5-bromo-2'-deoxyuridine and near UV light. Manak MM, et al. **J Virol** 1981 Oct;40(1):289–300

Mechanism of replication of bacteriophage phi X174 XX. Sensitivity of nascent DNA to single-strand-specific nucleases. Matthes M, et al. **J Virol** 1982 Apr;42(1):12–9

Mechanism of replication of bacteriophage phi X174 XIX. Initiation of phi X174 viral strand DNA synthesis at internal sites on the genome. Matthes M, et al. **J Virol** 1982 Apr;42(1):301–5

Discontinuous synthesis of both strands at the growing fork during polyoma DNA replication in vitro. Närkhammar-Meuth M, et al. **J Virol** 1981 Jul;39(1):11–20

Both strands of polyoma DNA are replicated discontinuously with ribonucleotide primers in vivo. Närkhammar-Meuth M, et al. **J Virol** 1981 Jul;39(1):21–30

Differences between poliovirus empty capsids formed in vivo and those formed in vitro: a role for the morphopoietic factor. Putnak JR, et al. **J Virol** 1981 Oct;40(1):173–83

Interference among defective interfering particles of vesicular stomatitis virus. Rao DD, et al. **J Virol** 1982 Jan; 41(1):210–21

Complementation for replicative form DNA replication of a deletion mutant of H-1 by various parvoviruses. Rhode SL 3d. **J Virol** 1982 Jun;42(3):1118–22

Prereplicative events involving simian virus 40 DNA in permissive cells. Rinaldy A, et al. **J Virol** 1982 Jan; 41(1):237–43

Structure of a replication intermediate in the synthesis of Rous sarcoma virus DNA in vivo. Swanstrom R, et al. **J Virol** 1982 Apr;42(1):337–41

Distribution of replicating simian virus 40 DNA in intact cells and its maturation in isolated nuclei. Tapper DP, et al. **J Virol** 1982 Mar;41(3):877–92

Cloned bacteriophage phi X174 DNA sequence interferes with synthesis of the complementary strand of infecting bacteriophage phi X174. van der Avoort HG, et al. **J Virol** 1982 Apr;42(1):1–11

Cessation of reentry of simian virus 40 DNA into replication and its simultaneous appearance in nucleoprotein complexes of the maturation pathway. Wang HT, et al. **J Virol** 1981 Jul;39(1):255–62

Characterization of N-type and dually permissive cells segregated from mouse fibroblasts whose Fv-1 phenotype could be modified by another independently segregating gene(s). Yoshikura H, et al. **J Virol** 1982 Jan;41(1):145–52

Roles of polyamines in the replication of animal viruses. Raina A, et al. **Med Biol** 1981 Dec;59(5-6):428–32

Colicin Ib does not cause plasmid-promoted abortive phage infection of Escherichia coli K-12. Boulnois GJ. **MGG** 1981;182(3):508–10

In vitro packaging of plasmid DNAs into phi X174 bacteriophage capsid. Aoyama A, et al. **Nature** 1982 Jun 24;297(5868):704–6

G inversion in bacteriophage Mu: a novel way of gene splicing. Giphart-Gassler M, et al. **Nature** 1982 May 27; 297(5864):339–42

Influenza virus RNA is synthesized at fixed sites in the nucleus. Jackson DA, et al. **Nature** 1982 Mar 25; 296(5855):366–8

Enzymatic synthesis of bacteriophage fd viral DNA. Meyer TF, et al. **Nature** 1982 Apr 29;296(5860):828–32

A growing role for reverse transcription [news] Varmus HE. **Nature** 1982 Sep 16;299(5880):204–5

Growth characteristics of feline panleukopenia virus in synchronized kitten kidney cells. Endo M, et al. **Nippon Juigaku Zasshi** 1981 Feb;43(1):63–70

Morphogenesis of phi X174: in vitro synthesis of infectious phage from purified viral components. Aoyama A, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7285–9

Territorial limits and functional anatomy of the simian virus 40 replication origin. Bergsma DJ, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):381–5

Bacteriophage lambda DNA packaging: scanning for the terminal cohesive end site during packaging. Feiss M, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3498–502

Polyoma mutants that productively infect F9 embryonal carcinoma cells do not rescue wild-type polyoma in F9 cells. Fujimura FK, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1479–83

Human papilloma viral DNA replicates as a stable episome in cultured epidermal keratinocytes. LaPorta RF, et al.

Proc Natl Acad Sci USA 1982 Jun;79(11):3393–7
Two alternative mechanisms for initiation of DNA replication forks in bacteriophage T4: priming by RNA polymerase and by recombination. Luder A, et al.
Proc Natl Acad Sci USA 1982 Feb;79(4):1101–5
Cloning of bacteriophage fd gene 2 and construction of a plasmid dependent on fd gene 2 protein. Meyer TF, et al. **Proc Natl Acad Sci USA** 1981 Sep;78(9):5416–20
Escherichia coli single-strand DNA binding protein from wild type and lexC113 mutant affects in vitro proteolytic cleavage of phage lambda repressor. Resnick J, et al.
Proc Natl Acad Sci USA 1982 May;79(9):2832–5
Role of two of the influenza virus core P proteins in recognizing cap 1 structures (m7GpppNm) on RNAs and in initiating viral RNA transcription. Ulmanen I, et al.
Proc Natl Acad Sci USA 1981 Dec;78(12):7355–9
DNA replication–mediated recombination of molecules of adenovirus 2 DNA. Wolgemuth DJ, et al.
Proc Natl Acad Sci USA 1981 Aug;78(8):5076–80
Replication of dengue virus in cultured mosquito cells at suboptimal temperature. Dittmar D, et al.
Proc Soc Exp Biol Med 1982 May;170(1):68–74
The mechanism of bacteriophage DNA encapsidation. Black LW. **Prog Clin Biol Res** 1981;64:97–110
Studies of the mechanism of bacteriophage T4 DNA encapsidation. Black LW, et al. **Prog Clin Biol Res** 1981; 64:111–26
NMR studies of filamentous bacteriophage assembly. Cross TA, et al. **Prog Clin Biol Res** 1981;64:457–65
Comments on filamentous phage assembly. Dunker AK.
Prog Clin Biol Res 1981;64:383–8
Bacteriophage lambda and 21 packaging specificities. Feiss M, et al. **Prog Clin Biol Res** 1981;64:213–22
Bacteriophage lambda prohead assembly: assembly of biologically active precollars in vitro. Ferrucci F, et al.
Prog Clin Biol Res 1981;64:193–212
Studies on factors involved in in vitro packaging of phage T3 dna. Fujisawa H, et al. **Prog Clin Biol Res** 1981; 64:239–52
Bacteriophage–host interactions in assembly. Georgopoulos C, et al. **Prog Clin Biol Res** 1981;64:21–34 (50 ref.)
Structure of filamentous bacteriophage: isolation, characterization, and localization of the minor coat proteins and orientation of the DNA. Grant RA, et al.
Prog Clin Biol Res 1981;64:413–28
Molecular organization of virus particles: implications for assembly. Harrison SC. **Prog Clin Biol Res** 1981;64:3–18
Defective packing of an unusual DNA in a virulent Erwinia phage, Erh 1. Kozloff LM, et al. **Prog Clin Biol Res** 1981; 64:253–69
Composition of the T4D bacteriophage baseplate and the binding of the central tail plug. Kozloff LM.
Prog Clin Biol Res 1981;64:327–42
Strategies in phage and animal virus morphogenesis. Luftig RB. **Prog Clin Biol Res** 1981;64:517–45 (53 ref.)
Maturation of an enveloped budding phage: mycoplasmavirus L2. Maniloff J, et al. **Prog Clin Biol Res** 1981;64:503–13
Filamentous phage assembly: membrane insertion of the major coat protein. Model P, et al. **Prog Clin Biol Res** 1981;64:389–400
Interactions between the maturation protein gp17 and the single-stranded DNA binding protein gp32 initiate DNA packaging and compete with initiation of secondary DNA replication forks in phage T4. Mosig G, et al.
Prog Clin Biol Res 1981;64:139–50
Studies on Escherichia coli mutants which block bacteriophage morphogenesis. Tilly K, et al.
Prog Clin Biol Res 1981;64:35–45
Bacteriophage T4 head assembly. In vivo characterisation of the morphopoietic core. Traub F, et al.
Prog Clin Biol Res 1981;64:127–37
T4 head assembly and high temperature. Wever GH, et al.
Prog Clin Biol Res 1981;64:167–92
Polymerization of Escherichia coli bacteriophage T4D short tail fibers into filaments and filament bundles. Zorzopulos J, et al. **Prog Clin Biol Res** 1981;64:343–51
How an animal virus gets into and out of its host cell. Simons K, et al. **Sci Am** 1982 Feb;246(2):58–66
High efficiency latency and activation of herpes simplex virus in human cells. Wigdahl BL, et al. **Science** 1982 Sep 17; 217(4565):1145–6
Requirement of the human chromosome 11 long arm for replication of herpes simplex virus type 1 in nonpermissive Chinese hamster x human diploid fibroblast hybrids. Francke U, et al. **Somatic Cell Genet** 1981 Mar;7(2):171–91
Infection of young adult mice with dengue virus type 2. Boonpucknavig S, et al. **Trans R Soc Trop Med Hyg** 1981; 75(5):647–53
Studies on the multiplication of a porcine parvovirus. Shahrabadi MS, et al. **Vet Microbiol** 1982 May;7(2):117–25
Bovine rotavirus–cell interactions: effect of virus infection on cellular integrity and macromolecular synthesis. Carpio MM, et al. **Virology** 1981 Oct 15;114(1):86–97
Restricted replication of mouse adenovirus strain FL in mouse Balb/c cells transformed by simian adenovirus 7. Dussaix E, et al. **Virology** 1982 Jan 30;116(2):641–5
Visna DNA synthesis and the tempo of infection in vitro. Haase AT, et al. **Virology** 1982 Jun;119(2):399–410
Temperature-sensitive host-dependent mutants of Sindbis virus. Kowal KJ, et al. **Virology** 1981 Oct 15;114(1):140–8
Viable polyoma virus variant with two origins of DNA replication. Magnusson G, et al. **Virology** 1982 May; 119(1):12–21
Electron microscopy of AD5 replicating molecules after in vivo photocrosslinking with trioxsalen. Revet B, et al.
Virology 1981 Oct 15;114(1):60–70
Novel circular forms of mengovirus-specific double-stranded RNA detected by electron microscopy. Robberson DL, et al. **Virology** 1982 Jan 30;116(2):454–67
Evidence against involvement of host transcription in the replication of vaccinia and herpes simplex viruses. Silver M, et al. **Virology** 1982 Apr 15;118(1):214–8
Structure of protein-containing replicative intermediates of Bacillus subtilis phage phi 29 DNA. Sogo JM, et al.
Virology 1982 Jan 15;116(1):1–18
Equine arteritis virus-infected cells contain six polyadenylated virus-specific RNAs. van Berlo MF, et al.
Virology 1982 Apr 30;118(2):345–52
Radioimmunoassay for hepatitis B 'e' antigen and antibody: correlations with viral replication and prognostic value. Baraldini M, et al. **Vox Sang** 1981 Sep;41(3):139–45
[Adaptation of an isolate of bovine enteritic coronavirus to serial growth in cell culture and characterization of the virus (author's transl)] L'Haridon R, et al.
Ann Rech Vet 1981;12(3):242–51 (Eng. Abstr.) **(Fre)**
[Replication of type 6 ridovirus in various cell lines] Cerutti M, et al. **C R Acad Sci [D] (paris)** 1981 Mar 30; 292(13):797–802 (Eng. Abstr.) **(Fre)**
[Trials of in vitro propagation of the scrapie agent in mouse nerve cells] Markovits P, et al.
C R Seances Acad Sci [III] 1981 Nov 2;293(8):413–7 (Eng. Abstr.) **(Fre)**
[Susceptibility of human cells cultured in vitro to infection by type C xenotropic retroviruses] Saal F, et al.
C R Seances Acad Sci [III] 1981 Jun 29;292(23):1203–6 (Eng. Abstr.) **(Fre)**
[Some parameters of the production of a type D retrovirus (PMFV) in human cells (author's transl)] Uckert W, et al.
Arch Geschwulstforsch 1981;51(5):386–93 (Eng. Abstr.) **(Ger)**
[Replication of the Aujeszky virus in vaccinated swine following experimental infection with large and medium amounts of virus] Wittmann G, et al.
Zentralbl Veterinarmed [B] 1982 Feb;29(1):24–30 (Eng. Abstr.) **(Ger)**
[RNA replicase in plants and replication of plant viruses (author's transl)] Ikegami M.
Tanpakushitsu Kakusan Koso 1981 Oct;26(13):2030–3 (38 ref.) **(Jpn)**
[Usefulness of various cellular systems for replication and isolation of enteroviruses] Jarzabek Z, et al.
Med Dosw Mikrobiol 1981;33(2) 105–13 (Eng. Abstr.) **(Pol)**
[Reproduction and immunogenic properties of recombinant and parent strains of influenza virus] Zgorzelska K, et al.
Med Dosw Mikrobiol 1981;33(2):115–8 (Eng. Abstr.) **(Pol)**
[Interaction of viral particles and their replication productions with the plasma membranes of infected cells. New approaches to the chemotherapy of viral infections] Zaides VM, et al. **Vopr Virusol** 1981 Jul–Aug;(4):388–94 (32 ref.) **(Rus)**

DRUG EFFECTS

Replication of Epstein–Barr virus DNA in lymphoblastoid cells treated for extended periods with acyclovir. Colby BM, et al. **Am J Med** 1982 Jul 20;73(1A):77–81
Effects of incubation temperatures and bovine viral diarrhea virus immune serum on bovine turbinate cells persistently infected with a noncytopathogenic isolate of bovine viral diarrhea virus. Coria MF, et al. **Am J Vet Res** 1981 Apr; 42(4):647–9
Trypsin-enhanced replication of neonatal calf diarrhea coronavirus in bovine embryonic lung cells. Toth TE.
Am J Vet Res 1982 Jun;43(6):967–72
Comparative inhibition of influenza and parainfluenza virus replication by ribavirin in MDCK cells. Browne MJ.
Antimicrob Agents Chemother 1981 May;19(5):712–5
Inhibition of herpes simplex virus replication by succinyl concanavalin A. Garrity P, et al.
Antimicrob Agents Chemother 1982 Mar;21(3):450–5
Effect of acyclovir on latent herpes simplex virus infections in trigeminal ganglia of mice. Klein RJ, et al.
Antimicrob Agents Chemother 1981 May;19(5):937–9
Inhibiting effects of enflurane and isoflurane anesthesia on measles virus replication: comparison with halothane. Knight PR, et al. **Antimicrob Agents Chemother** 1981 Sep; 20(3):298–306
Antiproliferative and antiviral activities of human leukocyte interferons. Evinger M, et al. **Arch Biochem Biophys** 1981 Aug;210(1):319–29
Effect of ribosome-inactivating proteins on virus-infected cells. Inhibition of virus multiplication and of protein synthesis. Foà-Tomasi L, et al. **Arch Virol** 1982; 71(4):323–32
Regulation of 2-5 A synthetase activity and antiviral state in interferon treated chick cells. Lab M, et al.
Biochem Biophys Res Commun 1982 Mar 30;105(2):412–8
Studies on antiviral glycosides: V. Formation of incomplete Sendai virions in the presence of phenyl-6-chloro-6-deoxy-beta-D-glucopyranoside. Arita H, et al. **Chem Pharm Bull (Tokyo)** 1981 Oct;29(10):2928–33
Sodium selenite inhibition of the reproduction of some oncogenic RNA-viruses. Balansky RM, et al.
Experientia 1981 Nov 15;37(11):1194–5
Successful treatment of HBs and HBeAg positive chronic liver disease: prolonged inhibition of viral replication by highly soluble adenine arabinoside 5'-monophosphate (ARA-AMP). Weller IV, et al. **Gut** 1982 Sep;23(9):717–23
Effects of prednisolone/azathioprine in chronic hepatitis B viral infection. Weller IV, et al. **Gut** 1982 Aug;23(8):650–5
Induction of single strand scission in bacteriophage phi X174 replicative form I DNA by mitomycin C. Ueda K, et al.
J Antibiot (Tokyo) 1981 Mar;34(3):317–22
Role of natural prostaglandins in the control of murine mammary tumor virus expression. Svec J, et al.
J Cancer Res Clin Oncol 1982;103(1):55–67
Uncoating of a rimantadine-resistant variant of influenza virus in the presence of rimantadine. Bukrinskaya AG, et al. **J Gen Virol** 1982 May;60(Pt 1):61–6
Influenza virus uncoating in infected cells and effect of rimantadine. Bukrinskaya AG, et al. **J Gen Virol** 1982 May; 60(Pt 1):49–59
Polypeptide synthesis catalysed by components of Pichinde virus disrupted by detergent. Chinault DN, et al.
J Gen Virol 1981 Jul;55(Pt 1):213–7
Relation of interferon production to the limited replication of Newcastle disease virus in L cells. Nagai Y, et al.
J Gen Virol 1981 Jul;55(Pt 1):109–16
The inhibition of vaccinia virus replication by 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole (DRB): an effect at the assembly stage. Pothier P, et al.
J Gen Virol 1981 Jul;55(Pt 1):87–94
Prostaglandins of the A series inhibit Sendai virus replication in cultured cells. Santoro MG, et al. **J Gen Virol** 1981 Mar; 53(Pt 1):75–83
Guanidine and heat sensitivity of foot-and-mouth disease virus (FMDV) strains. Nettleton PF, et al.
J Hyg (Lond) 1982 Aug;89(1):129–38
Effect of steroids on viral infection of human breast cancer cell lines by adenovirus 5. Chouvet C, et al.
J Steroid Biochem 1981 Dec;15:269–74
Effect of glycosylation inhibitors on the release of enveloped vaccinia virus. Payne LG, et al. **J Virol** 1982 Feb; 41(2):367–75
Guanidine-resistant defective interfering particles of poliovirus. Tershak DR. **J Virol** 1982 Feb;41(2):615–25
Assay of effect of interferon on viruses that bud from plasma membrane. Maheshwari RK, et al. **Methods Enzymol** 1981; 79(Pt B):451–8
Analysis of the inhibitory effect of canavanine on the replication of influenza RI/5+ virus. II. Interaction of M protein with the plasma membrane. Aoki H, et al.
Microbiol Immunol 1981;25(12):1279–89
Activation of non-expressed bovine papilloma virus genomes by tumour promoters. Amtmann E, et al. **Nature** 1982 Apr 15;296(5858):675–7
Inhibitors of polyamine biosynthesis block human cytomegalovirus replication. Tyms AS, et al. **Nature** 1982 Jun 24;297(5868):690–1
Inhibition of viral replication in cell cultures treated with prostaglandin E1. Giron DJ. **Proc Soc Exp Biol Med** 1982 May;170(1):25–8
Antiviral and anticellular activities of human and murine type I and type II interferons in human cells monosomic, disomic, and trisomic for chromosome 21. Zhang ZX, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):103–11
Effects of metabolic inhibitors on the assembly of fd phage. Ng YC, et al. **Prog Clin Biol Res** 1981;64:467–74
Differential effect of prostaglandins and other products of arachidonic acid metabolism on measles virus replication in Vero cells. Dore-Duffy P.
Prostaglandins Leukotrienes Med 1982 Jan;8(1):73–82
Mechanism of inhibition of Epstein–Barr virus replication by phosphonoformic acid. Datta AK, et al. **Virology** 1981 Oct 15;114(1):52–9
Lack of interferon-induced transfer of viral resistance against murine leukemia virus or poliovirus in cocultivated cells. Mozes LW. **Virology** 1982 Jan 15;116(1):359–62
Effect of tunicamycin on the replication of Sendai virus. Nakamura K, et al. **Virology** 1982 Jun;119(2):474–87
Effect of interferon on the exogenous Friend murine leukemia virus infection. Riggin CH, et al. **Virology** 1982 Apr 15; 118(1):202–13
Mechanism of interferon action: cloned human leukocyte interferons induce protein kinase and inhibit vesicular stomatitis virus but not reovirus replication in human amnion cells. Samuel CE, et al. **Virology** 1981 Oct 15; 114(1):302–6
[Effect of amantadine (1-aminoadamantan) on different phases of the replicative cycle of transmissible gastroenteritis virus of swine] Dimitrov P.
Vet Med Nauki 1982;19(1):90–6 **(Bul)**
[On the biological action of transition metal complexes. 2. The antiviral activity of 4-methyl-2-amino-pyridine-palladium-chloride (IV)] Tonew M, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981; 249(4):421–30 (Eng. Abstr.) **(Ger)**
[An inhibitor of the replication of varicella-zoster virus] Albrecht T, et al. **G Ital Chemioter** 1980 Jul–Dec; 27(2):103–6 (Eng. Abstr.) **(Ita)**
[Comparative study of the action of amantadine (1-aminoadamantane) and remantadine (alpha-methyl-1-adamantane methylamine) hydrochloride on influenza virus A reproduction] Vladyko AS, et al.
Vopr Virusol 1981 May–Jun;(3):366–7 **(Rus)**

RADIATION EFFECTS

UV irradiation analysis of complementation between, and replication of, RNA-negative temperature-sensitive mutants of Newcastle disease virus. Peeples ME, et al. **J Virol** 1982 Mar;41(3):965–73

Cleavage of lambda repressor and synthesis of RecA protein induced by transferred UV-damaged F sex factor. Moreau PL, et al. **MGG** 1982;186(2):170–9

UV-irradiation of related mouse hybrid cells: similar increase in capacity to replicate intact minute-virus-of-mice but differential enhancement of survival of UV-irradiated virus. Vos JM, et al. **Mutat Res** 1981 Sep;83(2):171–8

Mammalian cell viral capacity: an alternative assay for ultraviolet radiation damage. Coohill TP. **Photochem Photobiol** 1981 Oct;34(4):525–7

VIRUSES

see related

INCLUSION BODIES, VIRAL

Viral-like particles in Bowenoid papulosis [letter] Bhawan J. **Am J Dermatopathol** 1981 Fall;3(3):334

Viruses and indoor air pollution. Couch RB. **Bull NY Acad Med** 1981 Dec;57(10):907–21

Progress towards establishing a 'European Federation of Cell and Virus Collections. Griffiths JB, et al. **Dev Biol Stand** 1981;50:335–8

The problems of virus containment. Wright AE, et al. **Lab Res Methods Biol Med** 1982;5:305–39 (74 ref.)

Viral particles in hybridoma clones secreting monoclonal antibodies [letter] Rozman C, et al. **Lancet** 1982 Aug 21; 2(8295):445–6

A look at the P4 virus containment laboratory. van der Groen G, et al. **Prog Med Virol** 1982;28:192–207 (22 ref.)

CLASSIFICATION

The electron microscopical and physical characteristics of small round human fecal viruses: an interim scheme for classification. Caul EO, et al. **J Med Virol** 1982;9(4):257–65

[Taxonomic determination of viruses as autonomic genetic elements] Berencsi D, et al. **Vopr Virusol** 1981 May-Jun; (3):382–3 **(Rus)**

DRUG EFFECTS

Nucleoside analogues as antiviral agents. de Clercq E. **Acta Microbiol Acad Sci Hung** 1981;28(3):289–306 (130 ref.)

The biological effects of ozone on representative members of five groups of animal viruses. Bolton DC, et al. **Environ Res** 1982 Apr;27(2):476–84

An in vitro system for studying the effects of ozone on mammalian cell cultures and viruses. Bolton DC, et al. **Environ Res** 1982 Apr;27(2):466–75

Antiviral and anti-invasive titers of human interferons. Ikić D, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Apr; 20(4):179–80

Antiviral drugs. Liu C. **Med Clin North Am** 1982 Jan; 66(1):235–44 (80 ref.)

Differentiation of types of interferon by kinetics of development of the antiviral state. Dianzani F, et al. **Methods Enzymol** 1981;78(Pt A):409–14

Chemical disinfection of Creutzfeldt-Jakob disease virus. Brown P, et al. **N Engl J Med** 1982 May 27;306(21):1279–82

[On the biological action of transition metal complexes. 4. The antiviral activity of metallocene dichlorides of titanium and molybdenum (author's transl)] Tonew E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):425–30 (Eng. Abstr.) **(Ger)**

[On the biological action of transition metal complexes. 3. About the antiviral activity of cis-dichloro diammine platinum (II) (author's transl)] Tonew E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):417–24 (Eng. Abstr.) **(Ger)**

[Microbial resistance to formaldehyde. II. Dependence of the microbicidal effect upon the concentration of and the period of exposure to formaldehyde (author's transl)] Spicher G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;174(1–2):133–50 (Eng. Abstr.) **(Ger)**

[Virucidal activity of alcohols. Virucidal efficiency of alcohols against viruses in liquid phase (author's transl)] Noda N, et al. **Kansenshogaku Zasshi** 1981 May; 55(5):355–66 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

The specificity of viral sialidases. The use of oligosaccharide substrates to probe enzymic characteristics and strain-specific differences. Corfield AP, et al. **Eur J Biochem** 1982 Jun;124(3):521–5

GENETICS

Gene cloning in organisms other than E. coli. **Curr Top Microbiol Immunol** 1982;96:1–259

Inhibition of the release of virion-associated murine leukemia virus genomic RNA by vesicular stomatitis virus. Chan JC, et al. **Intervirology** 1981;16(3):191–200

GROWTH & DEVELOPMENT

Serum substitute in epithelial cell culture media: nonfat dry milk filtrate. Fassolitis AC, et al. **Appl Environ Microbiol** 1981 Aug;42(2):200–3

The virus susceptibility of skin-derived fibroblasts from families with insulin-dependent diabetes mellitus. Hornberger E, et al. **J Med Virol** 1982;9(4):281–92

Direct effects of hyperthermia on pathogenic microorganisms: Teleologic implications with regard to fever. Mackowiak PA. **Rev Infect Dis** 1981 May-Jun; 3(3):508–20 (94 ref.)

[Effects of inosiplex on viral growth and experimental viral infections (author's transl)] Ohnishi H, et al. **Kansenshogaku Zasshi** 1981 Jul;55(7):490–500 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Antigenic characterization of viruses by monoclonal antibodies. Yewdell JW, et al. **Annu Rev Microbiol** 1981; 35:185–206 (46 ref.)

The complement system: its importance in the host response to viral infection. Hirsch RL. **Microbiol Rev** 1982 Mar; 46(1):71–85 (70 ref.)

Study of antibodies against viruses, chlamydiae, rickettsiae and Mycoplasma pneumoniae in children with respiratory diseases. Coprlovici Y, et al. **Virologie** 1981 Oct-Dec; 32(4):275–80

ISOLATION & PURIFICATION

Comparison of methods for recovering indigenous viruses from raw wastewater sludge. Brashear DA, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1413–8

Reduction of cytotoxicity in virus concentrates from environmental samples. Hejkal TW, et al. **Appl Environ Microbiol** 1982 Mar;43(3):731–3

Detection of viruses in drinking water by concentration on magnetic iron oxide. Rao VC, et al. **Appl Environ Microbiol** 1981 Sep;42(3):421–6

Viral agents of acute respiratory infections in young children in Kuala Lumpur. Ong SB, et al. **Bull WHO** 1982; 60(1):137–40

A method for concentrating viruses recovered from sewage sludges. Berg G, et al. **Can J Microbiol** 1982 May; 28(5):553–6

Improved detection of viruses by electron microscopy after direct ultracentrifuge preparation of specimens. Hammond GW, et al. **J Clin Microbiol** 1981 Aug;14(2):210–21

Presence of polioviruses and other enteral viruses in sewage: a survey in the Czech Socialistic Republic 1969–1976. Zdražílek J, et al. **J Hyg Epidemiol Microbiol Immunol** 1982;26(1):1–14

Tickborne viruses in western North America. III. Viruses from man-biting ticks (Acari: Ixodidae) in Oregon. Yunker CE, et al. **J Med Entomol** 1981 Nov 30;18(6):457–63

Rapid and reliable method for diagnostic electron microscopy of faeces. Gbewonyo AJ. **J Microsc** 1982 May; 126(Pt 2):191–5

A method for recovering viruses from sludges. Berman D, et al. **J Virol Methods** 1981 Dec;3(5):283–91

A portable device for the rapid concentration of viruses from large volumes of natural freshwater. Logan KB, et al. **J Virol Methods** 1981 Nov;3(4):241–9

Viral cultures from cerebrospinal fluid [editorial] **Lancet** 1982 Jul 31;2(8292):250–1

Multiple faecal virus excretion in immunodeficiency [letter] Chrystie IL, et al. **Lancet** 1982 Jan 30;1(8266):282

Isolation of virus from the spinal fluid of three patients with multiple sclerosis and one with amyotrophic lateral sclerosis. Melnick JL, et al. **Lancet** 1982 Apr 10; 1(8276):830–3

The presence of viral particles in hybridoma clones secreting monoclonal antibodies [letter] Bartal AH, et al. **N Engl J Med** 1982 Jun 10;306(23):1423

Viruses in water and soil. Melnick JL, et al. **Public Health Rev** 1980 Jul-Dec;9(3–4):185–213 (40 ref.)

Studies with an unclassified virus isolated from diarrheic calves. Woode GN, et al. **Vet Microbiol** 1982 Jul; 7(3):221–40

Virus-like particles in the kidneys of three patients with endemic Balkan nephropathy. Georgescu L, et al. **Virologie** 1981 Oct-Dec;32(4):305–6

Distribution of viral and bacterial densities in sea water near a costal discharge of treated domestic sewage. Hugues B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):509–16

[Virus and virus-like particles found in patients of non-A, non-B hepatitis-electron microscopic study (author's transl)] Hung T, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1981 Mar; 3(1):48–9 (Eng. Abstr.) **(Chi)**

[1980 annual survey of diagnostic and epidemiologic virus studies in the Netherlands] Kapsenberg JG, et al. **Ned Tijdschr Geneeskd** 1982 Mar 6;126(10):450–5 **(Dut)**

[Human viruses in water (editorial)] Shuval H, et al. **Harefuah** 1981 Dec 15;101(12):376–8 **(Heb)**

[Viral infection of protozoa and the possible ecological and epidemiological implications. Current state of the problem] Pérez Prieto SI, et al. **Rev Sanid Hig Publica (Madr)** 1979 Nov-Dec;53(11–12):1517–37 (Eng. Abstr.) **(Spa)**

METABOLISM

Interaction of viruses with sinusoidal cells. Kirn A, et al. **Prog Liver Dis** 1982;7:377–92 (114 ref.)

PATHOGENICITY

Acute non-bacterial infections of the respiratory tract in Singapore children: an analysis of three years' laboratory findings. Doraisingham S, et al. **Ann Acad Med Singapore** 1981 Jan;10(1):69–78

Viral glycoproteins as determinants of pathogenicity. Klenk HD, et al. **Med Microbiol Immunol (Berl)** 1982; 170(3):145–53

[Discussion on K. G. Umanskii's article, 'The Ubiquity of Viruses and the Presumption of Innocence (Facts and Concept)', published in Arkhiv patologii No. 10, 1980 (pp. 76–81)] **Arkh Patol** 1981;43(10):53–7 **(Rus)**

[Role of viruses and bacteria in the formation of the clinical picture of acute laryngotracheitis] Mitin IuV, et al. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):40–4 (Eng. Abstr.) **(Rus)**

[Role of the host cell in virus persistence] Andzhaparidze OG, et al. **Vopr Virusol** 1981 Jul-Aug;(4):394–8 (21 ref.) **(Rus)**

PHYSIOLOGY

Altered cellular morphology resulting from cytocidal virus infection. Schrom M, et al. **Arch Virol** 1981;70(3):173–87 (91 ref.)

Ion repulsion within membranes. Tsien RY, et al. **Biophys J** 1982 Jul;39(1):49–56

Virally induced alterations in cellular permeability: a basis of cellular and physiological damage? Pasternak CA, et al. **Biosci Rep** 1981 Jun;1(6):431–48 (153 ref.)

Virus inoculation in mice bearing Ehrlich ascitic tumors: antigen production and tumor regression. Mettler NE, et al. **Infect Immun** 1982 Jul;37(1):23–7

Hypoglycemia in mice injected with interferon inducers is not mediated by interferon. Vignaux F, et al. **Infect Immun** 1981 Aug;33(2):331–7

Review article initial stages in infection with animal viruses. Dimmock NJ. **J Gen Virol** 1982 Mar;59(Pt 1):1–22 (216 ref.)

Unlearning about latency. Koprowski H. **Med Microbiol Immunol (Berl)** 1982;170(4):209–19 (29 ref.)

ULTRASTRUCTURE

Creutzfeldt-Jakob disease with demonstration of virus-like particles. Shibayama Y, et al. **Acta Pathol Jpn** 1982 Jul; 32(4):695–702

Intranuclear virus-like particles in the hepatocytes of the patients with non-A, non-B hepatitis. Gibo Y, et al. **Gastroenterol Jpn** 1981 Dec;16(6):576–81

Penile carcinoma and viruses. Thomas JA. **J Urol** 1982 Aug; 128(2):307–8

Advanced methods in electron microscopy of viruses. Nermut MV. **Lab Res Methods Biol Med** 1982;5:1–58 (135 ref.)

A very small porcine virus with circular single-stranded DNA. Tischer I, et al. **Nature** 1982 Jan 7;295(5844):64–6

VISAMMIN see KHELLIN

VISCEROPTOSIS

COMPLICATIONS

[Nephroptosis and arterial hypertension] Shibaev GP, et al. **Sov Med** 1981;(4):31–4 (Eng. Abstr.) **(Rus)**

VISCOSITY

see related

BLOOD VISCOSITY

Frictional (viscous) respiratory resistance measured by the forced oscillation method. Zil'ber NA, et al. **Hum Physiol** 1981 Mar-Apr;7(2):121–6

A viscoelastic model for the mechanical properties of biological materials. Sanjeevi R. **J Biomech** 1982; 15(2):107–9

VISCUM

[Extracts of mistletoe in cancer therapy] Jensen K. **Ugeskr Laeger** 1982 Mar 29;144(13):961–3 **(Dan)**

VISION

see related

VISUAL PERCEPTION

Contrast sensitivity function in evaluation of visual impairment due to retinitis pigmentosa. Hyvärinen L, et al. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):763–73

Picture simulation of contrast sensitivity in organic and functional amblyopia. Lundh BL, et al. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):774–83

Influence of the visual feedback for some parameters of the body oscillations on their stability. Gantchev GN, et al. **Acta Physiol Pharmacol Bulg** 1981;7(2):13–8

Localization of brief light stimuli on differently labelled reference patterns during smooth eye tracking. Mitrani L, et al. **Acta Physiol Pharmacol Bulg** 1981;7(2):19–24

Assessment and use of vision: critical needs of hearing-impaired students. Caccamise F, et al. **Am Ann Deaf** 1981 May;126(3):361–9

Contrast sensitivities through spectacles and soft contact

lenses. Bernstein IH, et al. **Am J Optom Physiol Opt** 1981 Apr;58(4):309–13

Clinical comparison of the zone of clear single binocular vision with the zone of zero-associated phoria. Godio LB, et al. **Am J Optom Physiol Opt** 1981 Dec;58(12):1194–8

Visual training effects on normal vision. Goodson RA, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):787–91

Use of the Frostig Figure Ground in evaluation of adults with low vision. Quillman RD, et al. **Am J Optom Physiol Opt** 1981 Nov;58(11):910–8

Visual scanning behavior and mental workload in aircraft pilots. Tole JR, et al. **Aviat Space Environ Med** 1982 Jan; 53(1):54–61

Visual-vestibular interaction in the control of eye movement: mathematical modelling and computer simulation. Buizza A, et al. **Biol Cybern** 1982;43(3):209–23

Linking quantal absorption rate to the visual response. Dawis SM. **Biol Cybern** 1981;42(2):129–32

Cooperation between different spatial frequencies in binocular rivalry. Fahle M. **Biol Cybern** 1982;44(1):27–9

Apparent motion path composed of a serial concatenation of translations and rotations. Mori T. **Biol Cybern** 1982; 44(1):31–4

Multiplication noise in the human visual system at threshold: 2. Probit estimation of parameters. Prucnal PR, et al. **Biol Cybern** 1982;43(2):87–96

A model for the temporal organization of X- and Y-type receptive fields in the primate retina. Richter J, et al. **Biol Cybern** 1982;43(2):127–45

Changes in size and shape of synaptic connections after visual training: an ultrastructural approach of synaptic plasticity. Vrensen G, et al. **Brain Res** 1981 Aug 10;218(1–2):79–97

Improved contrast sensitivity with antireflective coated lenses in the presence of glare. Coupland SG, et al. **Can J Ophthalmol** 1981 Jul;16(3):136–40

Spatial summation of signals and adaptation by the surround response mechanism of cat retinal ganglion cells. Cohen HI, et al. **Exp Brain Res** 1981;44(2):207–12

Stabilization of human posture during induced oscillations of the body. Diener HC, et al. **Exp Brain Res** 1982; 45(1–2):126–32

Behaviour of neurons in monkey peri-arcuate and precentral cortex before and during visually guided arm and hand movements. Godschalk M, et al. **Exp Brain Res** 1981; 44(1):113–6

Residual vision in humans who have been monocularly deprived of pattern stimulation in early life. Hess RF, et al. **Exp Brain Res** 1981;44(3):295–311

Oculomotor response to rapid head oscillation (0.5–5.0 Hz) after prolonged adaptation to vision-reversal. 'Simple' and 'complex' effects. Melvill Jones G, et al. **Exp Brain Res** 1982;45(1–2):45–58

A relationship between visual suppression and amblyopia in cats with cyclodeviations of the eyes. Peck CK, et al. **Exp Brain Res** 1981;44(3):317–24

Spatial properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al. **Exp Brain Res** 1982; 45(1–2):189–95

Temporal properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al. **Exp Brain Res** 1982;45(1–2):179–88

Effects of visual display units on the eyes: a bibliography (1972–1980). Matula RA. **Hum Factors** 1981 Oct; 23(5):581–6

ARVO 1982. The Association for Research in Vision and Ophthalmology Incorporated. Annual Spring meeting, Sarasota, Florida, May 2–7, 1982. Abstracts. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3 Suppl):1–304

Getting the big picture in perspectivist optics. Smith AM. **Isis** 1981 Dec;72(264):568–89

First events in vision: the generation of responses in vertebrate rods. Schwartz EA. **J Cell Biol** 1981 Aug; 90(2):271–8 (27 ref.)

Metabolic response to optic centers to visual stimuli in the albino rat: anatomical and physiological considerations. Toga AW, et al. **J Comp Neurol** 1981 Jul 10;199(4):443–64

Dynamic changes of serotonin levels during the first visual experience of binocularly deprived kittens. Kossut M, et al. **J Neurochem** 1981 Nov;37(5):1077–80

Auditory evoked phosphenes in optic nerve disease. Page NG, et al. **J Neurol Neurosurg Psychiatry** 1982 Jan; 45(1):7–12

Brief periods of monocular deprivation in kittens: effects of delay prior to physiological study. Freeman RD, et al. **J Neurophysiol** 1982 Feb;47(2):139–50

Visual responses of single neurons in the caudal lateral pulvinar of the macaque monkey. Benevento LA, et al. **J Neurosci** 1981 Nov;1(11):1268–78

Ontogenetic development of postural control in man: adaptation to altered support and visual conditions during stance. Forssberg H, et al. **J Neurosci** 1982 May;2(5):545–52

Effects of photopic annulus luminance level on reaction time and on the latency of evoked cortical potential responses to target flashes. Wilson AJ, et al. **J Opt Soc Am** 1981 Dec;71(12):1481–6

Spatial and temporal summation in the human dark-adapted retina. Zuidema P, et al. **J Opt Soc Am** 1981 Dec; 71(12):1472–80

Vision and motion sickness. Jay WM, et al. **J Pediatr Ophthalmol Strabismus** 1981 Nov–Dec;18(6):34–7

On emmetropization. Carroll JP. **J Theor Biol** 1982 Mar 7; 95(1):135–44

Rival transmitter in visual transduction [news] Saibil H. **Nature** 1982 May 13;297(5862):106–7

Birds, berries and UV. A note on some consequences of UV vision in birds. Burkhardt D. **Naturwissenschaften** 1982 Apr;69(4):153–7

Inhibitory effect of central vision on occipital lobe seizures. Panayiotopoulos CP. **Neurology (NY)** 1981 Oct; 31(10):1330–3

Early visual deprivation alters modality of neuronal responses in area 19 of monkey cortex. Hyvärinen J, et al. **Neurosci Lett** 1981 Nov 4;26(3):239–43

Distortion in 'plano' safety glasses. Carman PD. **Occup Health Saf** 1982 Mar;51(3):53–4, 56

Visual standards of drivers [editorial] **Ophthalmic Physiol Opt** 1982;2(2):105–6

Vulnerability of the rabbit eye to torsion and pulling-out — a functional study, monitored by ERG and VECP. Kawano S, et al. **Ophthalmic Surg** 1981 Nov;12(11):830–3

Blue field entoptic phenomenon in amblyopia. Grunwald JE, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1054–7

Neonatal localisation of a sound in visual space. Castillo M, et al. **Perception** 1981;10(3):331–8

Don Juan and the vision of Vision. Smith CU. **Perception** 1981;10(4):435–53

Vision and driving. Taylor JF. **Practitioner** 1982 May; 226(1367):885–9

Visual adaptations to different light environments in Amazonian fishes. Muntz WR. **Rev Can Biol Exp** 1982 Mar; 41(1):35–46

Disappearance of stabilized chromatic gratings. Kelly DH. **Science** 1981 Dec 11;214(4526):1257–8

The 'silent substitution' method in visual research. Estévez O, et al. **Vision Res** 1982;22(6):681–91

Low spatial-frequency channels in human vision: adaptation and masking. Stromeyer CF 3d, et al. **Vision Res** 1982; 22(2):225–33

[The role of visual information in the first postural responses] Jouen F, et al. **Annee Psychol** 1981;81(1):197–221 (Eng. Abstr.) **(Fre)**

[Comparative study of the effects of un-tinted glass and 3 tinted glass windshields on vision] Verriest G, et al. **Bull Soc Belge Ophtalmol** 1981;193:213–29 (Eng. Abstr.) **(Fre)**

[Visual function in aniridia] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):625–8 (Eng. Abstr.) **(Fre)**

[Visual recovery following the surgical treatment of compressive lesions of the optic chiasma (author's transl)] Brasseur G, et al. **Rev Otoneuroophtalmol** 1981 Jul–Sep; 53(4):295–300 (Eng. Abstr.) **(Fre)**

[Digital image analysis as an optical tool in biochemistry] Zimmer HG, et al. **Naturwissenschaften** 1981 Sep; 68(9):464–70 (Eng. Abstr.) **(Ger)**

[Improvement of vision in consequence of A. ophthalmica Ligature. Contribution to therapy of arteritis temporalis and disturbances at ocular blood supply (author's translation)] Gramberg-Danielsen B. **Ophthalmologica** 1982 Jan;184(2):72–7 (Eng. Abstr.) **(Ger)**

[Visual demands and capacity for performance in special working places in microelectronics] Methling D, et al. **Z Gesamte Hyg** 1981;27(8):596–601 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Confirmation of the influence of alcohol on heterophoria using a vision screener. McNamee JE, et al. **Am J Optom Physiol Opt** 1981 Sep;58(9):761–5

Influence of the beta-blocking atenolol and other medications on visual reaction time. Harms D, et al. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 2):S31–5

The effects of pentobarbital upon auditory and visual thresholds in the baboon. Hienz RD, et al. **Pharmacol Biochem Behav** 1981 Nov;15(5):799–805

PHYSIOLOGY

Calculating photopic illuminance. Baron WS, et al. **Am J Optom Physiol Opt** 1982 Apr;59(4):338–41

The persistence of dichoptically presented grating patterns. Fresco BB, et al. **Am J Optom Physiol Opt** 1982 Apr; 59(4):318–29

Prentice memorial lecture: the science of seeing-a search for criteria. Guth SK. **Am J Optom Physiol Opt** 1981 Oct; 58(10):870–85

Electrophysiological evidence of adaptation to colored filters. Millodot M, et al. **Am J Optom Physiol Opt** 1982 Jun;59(6):507–10

Spatial frequency thresholds versus border enhancement: sensitivity to retinal defocus. Remole A. **Am J Optom Physiol Opt** 1982 Feb;59(2):135–45

Analysis of the effect of temporal frequency on the dichoptic visual-evoked response. Trick GL, et al. **Am J Optom Physiol Opt** 1982 Feb;59(2):155–61

Temporal contrast sensitivity in central serous choroidopathy. Kayazawa F, et al. **Ann Ophthalmol** 1982 Mar;14(3):272–5

Multiple sclerosis. Luminance threshold and measurements of temporal characteristics of vision. Patterson VH, et al. **Arch Neurol** 1981 Nov;38(11):687–9

Arden contrast sensitivity testing in glaucoma. Stamper RL, et al. **Arch Ophthalmol** 1982 Jun;100(6):947–50

Visual improvements with red-tinted glasses in a patient with cone dystrophy. Young RS, et al. **Arch Ophthalmol** 1982 Feb;100(2):268–71

The development of a micro-computer system for electrophysiological assessment. Stark DJ, et al. **Aust J Ophthalmol** 1981 May;9(2):129–33

On the significance of heterophoria for stereoscopic vision. Castrén J, et al. **Aviat Space Environ Med** 1982 Apr; 53(4):393–7

Difference between eye closure and visual stabilization in the control of posture in man. Vidal PP, et al. **Aviat Space Environ Med** 1982 Feb;53(2):166–70

Frontal myopia in the rabbit. De Graauw JG, et al. **Behav Brain Res** 1980 Aug;1(4):339–41

Orienting behavior of juvenile frogs with both a pre-metamorphically rotated and a normal eye. Hoskins S, et al. **Behav Brain Res** 1982 Jan;4(1):55–62

First detected eye-opening in albino vs. black coisogenic littermate mice. Westenberg IS. **Behav Genet** 1981 May; 11(3):281–7

Visual localization during eye tracking on steady background and during steady fixation on moving background. Mateeff S, et al. **Biol Cybern** 1982;42(3):215–9

Columnar architecture and computational anatomy in primate visual cortex: segmentation and feature extraction via spatial frequency coded difference mapping. Schwartz EL. **Biol Cybern** 1982;42(3):157–68

Neural models of brightness perception and retinal rivalry in binocular vision. Sugie N. **Biol Cybern** 1982;43(1):13–21

Spectral sensitivity of Phalangium opilio eyes. Camillo R, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):610–3

Responses of afferent and efferent neurons to visual inputs in the vestibular nerve of the frog. Caston J, et al. **Brain Res** 1982 May 20;240(1):141–5

The bifocal alternative. Weidt AR, et al. **Contact Intraocular Lens Med J** 1981 Jul–Sep;7(3):250–1

Excitation and adaptation in the vertebrate retina. Witkovsky P. **Curr Top Eye Res** 1980;2:1–66

Physiological and psychological functions of human organism under different light conditions. Melicherčík J, et al. **Czech Med** 1981;4(4):252–6

Visual-vestibular interaction: effect of prolonged stimulation on the vestibulo-ocuiomotor reflex responses. Honrubia V, et al. **Exp Neurol** 1982 May;76(2):347–60

Mechanisms of visual temporal discrimination of stimuli. Shostak VI, et al. **Hum Physiol** 1981 Jul–Aug;7(4):258–61

The myth Fyodrov Surgery. Sota LD. **Indian J Ophthalmol** 1981 OCT;29(3):215–6

Visual evoked potentials in hypnosis: a longitudinal approach. Zakrzewski K, et al. **Int J Clin Exp Hypn** 1981 Jan; 29(1):77–86

Contrast sensitivity in anisometropic amblyopia. Bradley A, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):467–76

Behavioral measurement of background adaptation in infants. Hansen RM, et al. **Invest Ophthalmol Vis Sci** 1981 Oct; 21(4):625–9

Visual-evoked responses elicited by the onset and offset of sinusoidal gratings: latency, waveform, and topographic characteristics. Parker DM, et al. **Invest Ophthalmol Vis Sci** 1982 May;22(5):675–80

Pattern evoked potentials in awake rhesus monkeys. van der Marel H, et al. **Invest Ophthalmol Vis Sci** 1981 Sep; 21(3):457–66

Temporal contrast sensitivity in amblyopia. Wesson MD, et al. **Invest Ophthalmol Vis Sci** 1982 Jan;22(1):98–102

Role of visual pigment photoproducts in transduction in invertebrate photoreceptors. Hillman P. **Isr J Med Sci** 1982 Jan;18(1):141–3

Predictable visual responses to increasing age. Carter JH. **J Am Optom Assoc** 1982 Jan;53(1):31–6

Feedback and the visual process. Forrest EB. **J Am Optom Assoc** 1981 Sep;52(9):717–24

Dark adaptation and aging. Pitts DG. **J Am Optom Assoc** 1982 Jan;53(1):37–41

Movement phosphenes in optic neuritis. Swerdloff MA, et al. **J Clin Neuro Ophthalmol** 1981 Dec;1(4):279–82

Physiological and morphological identification of two types of on-center bipolar cells in the carp retina. Saito T, et al. **J Comp Neurol** 1982 Feb 20;205(2):161–70

Sensory representation in reptilian optic tectum: some comparisons with mammals. Stein BE, et al. **J Comp Neurol** 1981 Oct 10;202(1):69–87

Suprathreshold vision in acute optic neuritis. Sjöstrand J, et al. **J Neurol Neurosurg Psychiatry** 1982 Mar;45(3):227–34

Cell size changes in the lateral geniculate nuclei of normal and monocularly deprived cats treated with 6-hydroxydopamine and/or norepinephrine. Hitchcock PF, et al. **J Neurosci** 1982 Jun;2(6):681–6

Refractive index of the fly rhabdomere. Beersma DG, et al. **J Opt Soc Am** 1982 May;72(5):583–8

Luminance—brightness comparisons of separated circular stimuli. Booker RL. **J Opt Soc Am** 1981 Feb;71(2):139–44

Contrast gain measurements and the transient/sustained. Burbeck CA, et al. **J Opt Soc Am** 1981 Nov;71(11):1335–42

Visibility of borders: separate and combined effects of color differences, luminance contrast, and luminance level. Frome FS, et al. **J Opt Soc Am** 1981 Feb;71(2):145–50

Dichroism of the macular pigment and Haidinger's brushes. Hemenger RP. **J Opt Soc Am** 1982 Jun;72(6):734–7

Luminous-efficiency functions for point sources. Ikeda M, et al. **J Opt Soc Am** 1982 Jan;72(1):68–73

Nonlinear visual responses to flickering sinusoidal gratings. Kelly DH. **J Opt Soc Am** 1981 Sep;71(9):1051–5

Motion and vision. IV. Isotropic and anisotropic spatial

responses. Kelly DH. **J Opt Soc Am** 1982 Apr;72(4):432–9
Multiplication noise in the human visual system at threshold: 1. Quantum fluctuations and minimum detectable energy. Teich MC, et al. **J Opt Soc Am** 1982 Apr;72(4):419–31
Fading of stabilized retinal images. Tulunay-Keesey U. **J Opt Soc Am** 1982 Apr;72(4):440–7
Development of scotopic sensitivity and the absorption spectrum of the human ocular media. Werner JS. **J Opt Soc Am** 1982 Feb;72(2):247–58
Correlation between the preferred orientation and spatial frequency of neurones in visual areas 17 and 18 of the cat. Berardi N, et al. **J Physiol (Lond)** 1982 Feb;323:603–18
Adaptation of a stereotaxic ear bar for neurophysiological studies of the visual system in rodents. Molotchnikoff S, et al. **J Physiol (Paris)** 1981 Sep;77(6–7):803–4
Vision and the optic flow field [news] Lishman JR. **Nature** 1981 Sep 24;293(5830):263–4
Ocular defocus, spurious resolution and contrast reversal. Smith G. **Ophthalmic Physiol Opt** 1982;2(1):5–23
Classical and modern theories for the basis of amblyopia. Westall CA. **Ophthalmic Physiol Opt** 1982;2(1):25–36
The relation of myopia and astigmatism in developing eyes. Fulton AB, et al. **Ophthalmology (Rochester)** 1982 Apr; 89(4):298–302
Orientation selectivity of the human visual system as a function of retinal eccentricity and visual hemifield. Beaton A, et al. **Perception** 1981;10(3):273–82
Proton transfer in the primary process of vision. Sarai A, et al. **Photochem Photobiol** 1981 Jun;33(6):875–81
Eye stabilization for receptive field mapping without systemic paralysis. Marrocco RT, et al. **Physiol Behav** 1982 May;28(5):945–7
Chromatic valence curves: alternative interpretation derived by the direct matching method. Ayama M, et al. **Science** 1982 Mar 19;215(4539):1538–9
Sighting dominance: an explanation based on the processing of visual direction in tests of sighting dominance. Barbeito R. **Vision Res** 1981;21(6):855–60
Adult levels of meridional anisotropy and contrast threshold in 5-year olds. Beazley LD, et al. **Vision Res** 1982; 22(1):135–8
Directional changes in the vestibular ocular response as a result of adaptation to optical tilt. Callan JW, et al. **Vision Res** 1982;22(1):37–42
Monocular sensitivity during binocular viewing. Cogan AI. **Vision Res** 1982;22(1):1–16
Interocular transfer of the motion aftereffect in strabismus. Keck MJ, et al. **Vision Res** 1982;22(1):55–60
Saccadic suppression and the dual mechanism theory of direction constancy [letter] Matin E. **Vision Res** 1982; 22(2):335–6
Long term visual deprivation in a human. Moran J, et al. **Vision Res** 1982;22(1):27–36
Velocity blindness during shearing motion. Richards W, et al. **Vision Res** 1982;22(1):97–100
Suppression of the blackout due to blinks. Riggs LA, et al. **Vision Res** 1981;21(7):1075–9
Why the cortical magnification factor in rhesus can not be isotropic. Sakitt B. **Vision Res** 1982;22(3):417–21
Astigmatic visual and deprivation in cat: behavioral, optical and retinophysiological consequences. Thibos LN, et al. **Vision Res** 1982;22(1):43–53
Motion processing in peripheral vision: reaction time and perceived velocity. Tynan PD, et al. **Vision Res** 1982; 22(1):61–8
Summation of grating patches indicates many types of detector at one retinal location. Watson AB. **Vision Res** 1982;22(1):17–25
Sensitivity losses in a long wavelength sensitive mechanism of patients with retinitis pigmentosa. Young RS, et al. **Vision Res** 1982;22(1):163–72
[Convergence of visual and neck proprioceptives on the vestibulo-ocular reflex arc and the 'vestibulo-cerebellum' (author's transl)] Toupet M. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):119–28 (61 ref.) (Eng. Abstr.) **(Fre)**
[Physiology of eye movements for visual stabilization] Meulders M, et al. **Bull Mem Acad R Med Belg** 1981; 136(7):353–78 (Eng. Abstr.) **(Fre)**
[Pulsatile entoptic phenomenon related to the pulse : a diagnostic and therapeutic problem] Haut J, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):73–4 **(Fre)**
[Tracking without vision: effect of visual privation on ocular tracking movements in normal subjects (author's transl)] Pautrizel B, et al. **Rev Neurol (Paris)** 1981;137(6–7):457–62 (Eng. Abstr.) **(Fre)**
[Slight variations of vitamin A in blood levels and their effect on visual perception] Meyer JJ, et al. **Soz Praventivmed** 1981 Oct;26(5):310–2 (Eng. Abstr.) **(Fre)**
[Determination of spectral sensitivity of the visual system by Fourier interferometric stimulation] Gemperlein R, et al. **Buch Augenarzt** 1982;90:66–71 (Eng. Abstr.) **(Ger)**
[Sensory physiological research of Jesuit scientists of the 17th century] Jaeger W. **Klin Monatsbl Augenheilkd** 1981 Oct; 179(4):288–96 (Eng. Abstr.) **(Ger)**
[Does central binocular vision really exist as a stable dominant function?] Glăvan II. **Rev Chir [Oftalmol]** 1980 Jul–Sep;24(3):181–3 (Eng. Abstr.) **(Rum)**
[Bioelectrical activity of the visual cortex and electroretinogram in rabbits during extreme photic stimulation of different lateralization] Zubilov IuN. **Fiziol Zh SSSR** 1981 Oct;67(10):1458–62 **(Rus)**
[Noise and vibration exposure effects on vestibular and visual functions in adolescents] Popivanova Ts. **Gig Sanit** 1981 Sep;(9):58–9 **(Rus)**
[Visual work capacity of pupils under exposure to sun] Zhilov IuD. **Gig Sanit** 1982 Jun;(6):27–8 **(Rus)**
[Opto-vestibular interaction based on nystagmometric data] Levashov MM, et al. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):51–5 (Eng. Abstr.) **(Rus)**
[Ionic metabolism in the horizontal cells of the retina] Challakhian LM, et al. **Neirofiziologiia** 1982;14(1):3–10 (Eng. Abstr.) **(Rus)**
[Changes in the functional characteristics of the compound eye of the honeybee after mutations interfering with the metabolism of tryptophan] Gribakin FG, et al. **Neirofiziologiia** 1982;14(1):69–75 (Eng. Abstr.) **(Rus)**
[Electrical responses of the eye and optic nerve of the pond snail Lymnaea stagnalis] Sharko NV, et al. **Neirofiziologiia** 1981;13(6):652–4 (Eng. Abstr.) **(Rus)**
[Mechanophosphene in optic nerve changes] Reznikov IuE. **Oftalmol Zh** 1981;36(4):218–20 (Eng. Abstr.) **(Rus)**
[Effect of early visual deprivation on GABA transaminase activity in the brain structures of dogs] Agaev TM, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):611–5 (Eng. Abstr.) **(Rus)**
[Activity of visual and motor cortex neurons during performance of a behavioral act with open and closed eyes] Aleksandrov IuI, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1179–89 (Eng. Abstr.) **(Rus)**
[Effect of visual and olfactory deprivation on acoustically-directed homing orientation in kittens] Lushchekin VS. **Zh Vyssh Nerv Deiat** 1982 May–Jun; 32(3):553–5 **(Rus)**

VISION DISORDERS

Media and instructional techniques for Usher's syndrome. Fischer C. **Am Ann Deaf** 1981 Sep;126(6):582–6
Visual handicap in children. Bull M, et al. **Aust J Ophthalmol** 1982 May;10(2):107–13
ARVO 1982. The Association for Research in Vision and Ophthalmology Incorporated. Annual Spring meeting, Sarasota, Florida, May 2–7, 1982. Abstracts. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3 Suppl):1–304
Adjustment to visual loss. Margo C, et al. **JAMA** 1982 Sep 10;248(10):1231–2
[German Ophthalmological Association. Recommendations for evaluation of reduced earning capacity caused by damage to vision. September 1981] Jaeger W, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):242–4 **(Ger)**
[Lighting of the work place in schools for the vision-impaired] Egorova TS. **Gig Sanit** 1982 Feb;(2):93–4 **(Rus)**

CHEMICALLY INDUCED

Ibuprofen-induced visual disturbance. Tullio CJ. **Am J Hosp Pharm** 1981 Sep;38(9):1362
Ocular ergotamine tartrate toxicity during treatment of Vacor-induced orthostatic hypotension. Mindel JS, et al. **Am J Ophthalmol** 1981 Oct;92(4):492–6
Chlorpropamide-induced optic neuropathy. Wymore J, et al. **Arch Intern Med** 1982 Feb;142(2):381
Hydroxychloroquine. Seven-year experience. Tobin DR, et al. **Arch Ophthalmol** 1982 Jan;100(1):81–3
Digoxin retinal toxicity. Clinical and electrophysiological evaluation of a cone dysfunction syndrome. Weleber RG, et al. **Arch Ophthalmol** 1981 Sep;99(9):1568–72
A disguised case of digoxin toxicity. Higgins JD, et al. **J Am Optom Assoc** 1981 Aug;52(8):671
Toxic effect of local Thai anthelminthic (Maklua): Cases report. Chotibutr S, et al. **J Med Assoc Thai** 1981 Nov; 64(11):574–9
An electrophysiological method for detecting visual toxicity in unrestrained rats. Sato S, et al. **Jpn J Pharmacol** 1982 Jun;32(3):489–97
Visual disturbances associated with quinidine and quinine. Fisher CM. **Neurology (NY)** 1981 Dec;31(12):1569–71
Early chronic low-level methylmercury poisoning in monkeys impairs spatial vision. Rice DC, et al. **Science** 1982 May 14;216(4547):759–61
Acute methanol poisoning 'the blind drunk' [clinical conference] **West J Med** 1981 Aug;135(2):122–8
[Research on ocular disorders appearing in ethambutol therapy] Cernea P, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep; 25(3):209–12 (Eng. Abstr.) **(Rum)**
[Cimetidine - reversible disorder of distance vision] **Lakartidningen** 1981 Aug 5;78(32–33):2752–3 **(Swe)**

COMPLICATIONS

Clinical and computed tomographic findings in the Foster Kennedy syndrome. Jarus GD, et al. **Am J Ophthalmol** 1982 Mar;93(3):317–22
Subacute sclerosing panencephalitis (SSPE). A case report. Brudet-Wickel CL, et al. **Doc Ophthalmol** 1982 Jan 29; 52(3-4):241–50
Observations in sensory heterotropia. Sidikaro Y, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):12–9
Anorexia nervosa and visual experience [letter] Quigley BG, et al. **Lancet** 1981 Nov 14;2(8255):1113
Juxtapapillary choroidal nevi. Gonder JR, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1982 Spring; 35(1):13–5

DIAGNOSIS

Hearing-impaired populations: optimizing the use of vision in academic, career, and communication program planning. Johnson DD, et al. **Am Ann Deaf** 1981 May;126(3):321–60
Identification and follow-up of visual impairments in hearing-impaired populations. Johnson DD, et al. **Am Ann Deaf** 1981 May;126(3):321–60
Refractive screening in infants [letter] Atkinson J, et al. **Am J Ophthalmol** 1982 Mar;93(3):372–4
Reduced acuity and its relation to blur threshold measurements in optometric tests. Layton A, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):90–3
Use of the Frostig Figure Ground in evaluation of adults with low vision. Quillman RD, et al. **Am J Optom Physiol Opt** 1981 Nov;58(11):910–8
Training of the ophthalmology resident by the optometrist. Rakes JA. **Am J Optom Physiol Opt** 1981 Dec; 58(12):1107–9
Stimulus parameters and visual evoked potential diagnosis. Camisa J, et al. **Ann NY Acad Sci** 1982;388:645–7
Psychophysical assessment of visual dysfunction. Blough PM, et al. **Environ Health Perspect** 1982 Apr;44:47–53 (28 ref.)
Newer laboratory approaches for assessing visual dysfunction. Shinkman PG, et al. **Environ Health Perspect** 1982 Apr;44:55–62 (34 ref.)
Stroke and the eye: diagnostic clues and treatment approaches. Carlow TJ, et al. **Geriatrics** 1981 Dec; 36(12):28–36
Neuro-ophthalmic signs and symptoms of hysteria. Keane JR. **Neurology (NY)** 1982 Jul;32(7):757–62
The significance of inadequate convergence. Pickwell LD, et al. **Ophthalmic Physiol Opt** 1981;1(1):13–8
The onset and evolution of glaucomatous visual field defects. Hart WM Jr, et al. **Ophthalmology (Rochester)** 1982 Mar; 89(3):268–79
Effectiveness of automated perimetry in following glaucomatous visual field progression. Keltner JL, et al. **Ophthalmology (Rochester)** 1982 Mar;89(3):247–54
Subtle disturbances of vision with compressive lesions of the anterior visual pathway measured by contrast sensitivity. Kupersmith MJ, et al. **Ophthalmology (Rochester)** 1982 Jan; 89(1):68–72
Intermittent visual 'white out'. A new intraocular lens complication. Lieppman ME. **Ophthalmology (Rochester)** 1982 Feb;89(2):109–12
The Marcus Gunn pupil in experimental tract lesions. O'Connor PS, et al. **Ophthalmology (Rochester)** 1982 Feb; 89(2):160–4
Glaucoma visual field analysis by computed profile of nerve fiber function in optic disc sectors. Wirtschafter JD, et al. **Ophthalmology (Rochester)** 1982 Mar;89(3):255–67
Ophthalmological examination of the infant. Developmental aspects. Hoyt CS, et al. **Surv Ophthalmol** 1982 Jan–Feb; 26(4):177–89 (187 ref.)
[Opto-chiasmatic syndrome] Joachim M. **J Fr Ophtalmol** 1981;4(10):679–86 **(Fre)**
[Perimetry of early glaucomatous visual fields defects. Comparative controlled study using the Goldman and Octopus perimeter] Krieglstein GK, et al. **Buch Augenarzt** 1982;90:23–33 (Eng. Abstr.) **(Ger)**
[Visually evoked cortical potentials (VECP) in patients with doubtful impairment of central vision (author's transl)] Groneberg A, et al. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):173–6 (Eng. Abstr.) **(Ger)**
[Disturbances of the visual system in children caused by head injuries of different degrees of severity (author's transl)] Hennekes R, et al. **Klin Monatsbl Augenheilkd** 1982 Apr; 180(4):279–81 (Eng. Abstr.) **(Ger)**
[Diagnosis of vision disorders in infants (up to 3 years) with brief reference to their therapy] Otto J. **Padiatr Padol** 1982; 17(1):1–12 **(Ger)**
[A new test for screening patients with dyschromatopsia] Del Giudice R. **Minerva Med** 1982 Aug 25; 73(32–33):2089–90 (Eng. Abstr.) **(Ita)**
[Morphometric study of the quantitative kinetic perimetry (author's transl)] Hamada R, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1644–54 (Eng. Abstr.) **(Jpn)**
[Screening methods in the evaluation of vision disorders in 2- and 4-year-old children in the framework of extended studies] Wolańska W, et al. **Pediatr Pol** 1981 Nov–Dec; 56(11–12):1283–90 (Eng. Abstr.) **(Pol)**
[Functional vision disorders] Gol'dovskaia IL. **Vestn Oftalmol** 1982 Mar–Apr;(2):50–2 (Eng. Abstr.) **(Rus)**
[Diagnostic potentials of Polaroid mesoptometry] Marinchev VN, et al. **Vestn Oftalmol** 1981 May–Jun;(3):51–4 **(Rus)**
[Photostress test indices in operators of ultrasonic defectoscopes] Mozherenkov VP, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):64–6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Bromocriptine for visual field defects in prolactinomas. Mustaffa Embong, et al. **Med J Malaysia** 1981 Mar; 36(1):29–36

ETIOLOGY

Mental deterioration, visuoperceptive disabilities and constructional apraxia in Parkinson's disease. Villardita C, et al. **Acta Neurol Scand** 1982 Jul;66(1):112–20
Visuospatial deficits after right hemisphere stroke. Kaplan

J, et al. **Am J Occup Ther** 1982 May;36(5):314–21
Palinoptic visual allesthesia [letter] Eretto PA, et al. **Am J Ophthalmol** 1982 Jun;93(6):801–3
Acute visual loss after gastroplasty [letter] Gardner TW, et al. **Am J Ophthalmol** 1982 May;93(5):658–60
Optic atrophy and visual loss in craniometaphyseal dysplasia. Puliafito CA, et al. **Am J Ophthalmol** 1981 Nov; 92(5):696–701
Adaptation to prism–induced heterophoria in subjects with abnormal binocular vision or asthenopia. North R, et al. **Am J Optom Physiol Opt** 1981 Sep;58(9):746–52
Propranolol–associated visual reduction [letter] **Ann Neurol** 1982 Jun;11(6):636–7
Vision–threatening glaucoma following cataract surgery. Cohen JS, et al. **Ann Ophthalmol** 1981 Sep;13(9):1045–7
Traumatic enucleation: a clinicopathologic case report. Distler JA, et al. **Ann Ophthalmol** 1981 Oct;13(10):1169–70
Visual loss from cavernous hemangiomas of the middle cranial fossa. Harper DG, et al. **Arch Neurol** 1982 Apr; 39(4):252–4
Visual system abnormalities in patients with Parkinson's disease. Kupersmith MJ, et al. **Arch Neurol** 1982 May; 39(5):284–6
Visual disorders associated with cerebral palsy. Black P. **Br J Ophthalmol** 1982 Jan;66(1):46–52
Visual disturbances during pregnancy caused by central serous choroidopathy. Cruysberg JR, et al. **Br J Ophthalmol** 1982 Apr;66(4):240–1
Abnormal adaptation of visual contrast sensitivity in multiple sclerosis patients. Raymond J, et al. **Can J Neurol Sci** 1981 Aug;8(3):227–34
Neuroradiological examinations in chiasmal syndromes. Peeters FL. **Diagn Imaging** 1981;50(4):216–24
Postural and visual loads at VDT workplaces. II. Lighting conditions and visual impairments. Läubli T, et al. **Ergonomics** 1981 Dec;24(12):933–44
Prolactinomas and optic nerve compression: disappearance of suprasellar extension and visual recovery after two weeks bromocriptine treatment. Woodhouse NJ, et al. **Horm Res** 1981;14(3):141–7
A young man with visual defect and galactorrhea. Thorner MO. **Hosp Pract** 1982 Aug;17(8):122L, 122P, 122T passim
Visual fatigue and occupational stress in VDT operators. Dainoff MJ, et al. **Hum Factors** 1981 Aug;23(4):421–37
Substandard acuity in the healthy looking eye. Grala PE. **J Am Optom Assoc** 1981 Sep;52(9):725–9 (63 ref.)
Clues to cerebrovascular insufficiencies. Lyle WM, et al. **J Am Optom Assoc** 1981 Oct;52(10):809–11
Visual acuity as a function of age. Pitts DG. **J Am Optom Assoc** 1982 Feb;53(2):117–24
Vertical oscillopsia and blurred vision. Quencer RM. **J Clin Neuro Ophthalmol** 1981 Jun;1(2):161–7
Visual loss and bitemporal hemianopsia. Quencer RM. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):231–5
Defective vision among Kuwaiti students. Hegab SM, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun; 19(3):146–51
Opsoclonus and oscillopsia. Herman P. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):412–7
Video display Terminals: the eyes have had it! Tabor M. **Occup Health Saf** 1981 Sep;50(9):30–4, 36, 38–9
Ocular manifestations in thalassemia minor. Magli A, et al. **Ophthalmologica** 1982 Mar;184(3):139–46
Meningioma and the ophthalmologist. A review of 80 cases. Anderson D, et al. **Ophthalmology (Rochester)** 1981 Oct; 88(10):1004–9
Central retinal artery obstruction and visual acuity. Brown GC, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):14–9
Acephalgic migraine. Fifteen years experience. O'Connor PS, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):999–1003
Carotid–ophthalmic aneurysms: visual abnormalities in 32 patients and the results of treatment. Ferguson GG, et al. **Surg Neurol** 1981 Jul;16(1):1–8
[Unusual neuroophthalmic signs in a patient with craniopharyngioma (author's transl)] Vladyková J, et al. **Cesk Oftalmol** 1982 Mar;38(2):104–9 (Eng. Abstr.) **(Cze)**
[Nasopharyngeal cancer with threatening blindness] Rizk M. **Ugeskr Laeger** 1981 Dec 21;143(52):3555–6 (Eng. Abstr.) **(Dan)**
[Visual prognosis in pediatric patients with herpes simplex lesions of the eye (author's transl)] Colin J, et al. **Ann Pediatr (Paris)** 1982 Mar;29(3):185–8 (Eng. Abstr.) **(Fre)**
[Cathode screens and visual performance. Study of 243 cases] Arnaud B, et al. **Bull Mem Soc Fr Ophtalmol** 1981; 93:397–400 **(Fre)**
[Disorders of binocular vision in changes in phospho–calcium metabolism] Zolog N, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:215–8 **(Fre)**
[Findings of axial and vertical computer tomography in changes in the intracranial visual pathways] Geissendörfer T, et al. **Buch Augenarzt** 1982;90:192–3 (Eng. Abstr.) **(Ger)**
[Vision disorders—nausea—chest pain] Schranz W. **Fortschr Med** 1982 Jun 17;100(23):1079–82 **(Ger)**
[Sensitivity of the computer perimeter Competer in early glaucomatous loss of visual field. A controlled study] Gramer E, et al. **Klin Monatsbl Augenheilkd** 1982 Mar; 180(3):203–9 (Eng. Abstr.) **(Ger)**
[Load factors at visual display terminals (author's transl)] Läubli T, et al. **Klin Monatsbl Augenheilkd** 1982 May; 180(5):363–6 (Eng. Abstr.) **(Ger)**
[Sydenham's chorea with ocular complication (author's transl)] Mayer H. **Klin Monatsbl Augenheilkd** 1981 Jul; 179(1):41–4 (Eng. Abstr.) **(Ger)**
[Ophthalmologic and audiologic follow–up of high–risk babies after mechanical ventilation (author's transl)] Rosenkranz A, et al. **Monatsschr Kinderheilkd** 1981 Dec; 129(12):692–6 (Eng. Abstr.) **(Ger)**
[Medical aspects of work at the video screen as observed in a large chemical manufacturing organization (author's transl)] Urbatus W. **Praxis** 1982 Jan 26;71(4):149–51 (Eng. Abstr.) **(Ger)**
[Ocular laser hazards] Moisseiev J, et al. **Harefuah** 1982 Jan 15;102(2):73–6 **(Heb)**
[Evaluation of neurologic and mental development in children with congenital hypothyroidism treated after the first month of life (author's transl)] Manca Bitti ML, et al. **Pediatr Med Chir** 1981 Nov–Dec;3(6):507–10 **(Ita)**
[A case of chronic renal failure with status epilepticus and visual disturbance (author's transl)] Takeda K, et al. **Nippon Naika Gakkai Zasshi** 1981 Aug 10;70(8):1142–7 **(Jpn)**
[A case of cavernous hemangioma with acute visual disturbance (author's transl)] Hirata Y, et al. **No Shinkei Geka** 1982 Feb 10;10(2):201–6 (Eng. Abstr.) **(Jpn)**
[Papilloedema followed by partial atrophy after electric shock from a high–voltage arc (author's transl)] Janotka H, et al. **Klin Oczna** 1981 Apr–May;83(4–5):263–4 **(Pol)**
[Disability due to visual loss after trauma in adults (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Jul–Sep; 83(7–8):353–4 (Eng. Abstr.) **(Pol)**
[Ocular diseases in diabetes mellitus] Harnagea E, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):187–9 (Eng. Abstr.) **(Rum)**
[Consequences of the loss of the vitreous humor in cataract operations] Sandovici EM, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):149–52 (Eng. Abstr.) **(Rum)**
[Clinical picture of craniopharyngioma in middle–age persons] Stroganova EI, et al. **Zh Vopr Neirokhir** 1981 Jul–Aug;(4):42–6 (Eng. Abstr.) **(Rus)**
[Bilateral optic atrophy in a case of mitochondrial myopathy] Nadal–Abella J, et al. **Bull Soc Ophtalmol Fr** 1982 Feb; 82(2):197–201 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Color matching in autosomal dominant tritan defect. Pokorny J, et al. **J Opt Soc Am** 1981 Nov;71(11):1327–34
Familial cholestasis with gallstone, ataxia and visual disturbance. Tazawa Y, et al. **Tohoku J Exp Med** 1982 Jun;137(2):137–44
[Genetic counseling and poor–sighted children] François J. **Annee Ther Clin Ophtalmol** 1980;31:43–61 (Eng. Abstr.) **(Fre)**
[Loss of sensory perception in genetic pigment deficiency syndromes. A clinically important chapter in comparative medicine] Dausch D, et al. **Dtsch Med Wochenschr** 1982 Jul 2;107(26):1029–32 (61 ref.) **(Ger)**

HISTORY

Research on monocular depth perception between 1884 and 1914: influence of the German Unfallversicherungsgesetz and of the jurisdiction of the Reichsversicherungsamt. Hell W. **Perception** 1982;10(6):683–94

NURSING

Common visual disorders in children. Wassenberg C. **Nurs Clin North Am** 1981;16(3):479–85

OCCURRENCE

Current screening procedures for the Usher syndrome at residential schools for the deaf. Day CW. **Am Ann Deaf** 1982 Feb;127(1):45–8
Feedback on prekindergarteners failing vision screenings. Cohen J. **Am J Optom Physiol Opt** 1981 Oct;58(10):848–54
Visual acuity of the hospitalized veteran. Myers KJ. **Am J Optom Physiol Opt** 1981 Dec;58(12):1077–91
Malumfashi Endemic Diseases Research Project XVIII. The programme for blindness and ophthalmic disease. Bhar IS, et al. **Ann Trop Med Parasitol** 1982 Apr;76(2):243–5
The prevalence of visual deficiencies among 1979 general aviation accident airmen. Dille JR, et al. **Aviat Space Environ Med** 1982 Feb;53(2):179–82
Incidence of loss of vision in the healthy eye in amblyopia. Tommila V, et al. **Br J Ophthalmol** 1981 Aug;65(8):575–7
A geriatric visual concern: the need for publishing guidelines. Ralph JB. **J Am Optom Assoc** 1982 Jan;53(1):43–50
[Can you read the newspaper, Mrs. Hansen? Visual handicap among elderly patients] Gjessing HJ. **Ugeskr Laeger** 1982 Mar 8;144(10):746–8 (Eng. Abstr.) **(Dan)**
[A simple new device for screening eye tests in pre–school–age children (author's transl)] Keller HH. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):312–3 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The visually evoked potential in retrochiasmatic lesions of the optic pathways: an attempt to interpret the responses obtained by flash pattern stimulation and the results of the calculation of the correlation coefficient between visually evoked potentials. Samson–Dollfus D, et al. **Adv Neurol** 1982;32:71–80
Visual factors and orientation–mobility performance. Marron JA, et al. **Am J Optom Physiol Opt** 1982 May;59(5):413–26
Impaired hue discrimination in homonymous visual fields. Henderson VW. **Arch Neurol** 1982 Jul;39(7):418–9
Visual evoked response in transient monocular visual loss. Kline LB, et al. **Br J Ophthalmol** 1982 Jun;66(6):382–5
Binocular interactions in normal and anomalous binocular vision: effects of flicker. Levi DM, et al. **Br J Ophthalmol** 1982 Jan;66(1):57–63
LASCER Bode plots for normal, amblyopic, and stereoanomalous observers. Barris MC, et al. **Doc Ophthalmol** 1981 Nov;51(4):347–63
Histopathological and laboratory assessment of visual dysfunction. Heywood R. **Environ Health Perspect** 1982 Apr;44:35–45 (44 ref.)
Motion aftereffect transfer in the monofixation syndrome. Price RL, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):69–74
Psychophysical studies on subjects with visual defects. Ruddock KH. **J R Soc Med** 1982 May;75(5):315–22
Progressive supranuclear palsy: the relationship between ocular motor dysfunction and psychological test performance. Fisk JD, et al. **Neurology (NY)** 1982 Jul; 32(7):698–705
Evoked potentials in the evaluation of visual field defects due to chiasmal or retrochiasmal lesions. Maitland CG, et al. **Neurology (NY)** 1982 Sep;32(9):986–91
Effects of progressively longer durations of monocular deprivation on development of visuocortical receptive fields in the rabbit. Crabtree JW, et al. **Neurosci Lett** 1981 Oct;26(1):61–5
Organization of visual pathways in normal and visually deprived cats. Sherman SM, et al. **Physiol Rev** 1982 Apr; 62(2):738–855 (408 ref.)
Neurological manifestations of paranasal disease: problems in prognosis. Livingstone IR, et al. **Postgrad Med J** 1982 May;58(679):268–73
[Beneficial effects on visual disturbances as a result of transsphenoidal surgery (author's transl)] Matsumura S, et al. **Neurol Med Chir (Tokyo)** 1981 May;21(5):457–65 (Eng. Abstr.) **(Jpn)**
[Function and dynamics of the work capacity of children with impaired vision in a specialized preschool institution] Maĭmulov VG. **Gig Sanit** 1982 May;(5):35–7 **(Rus)**
[Case of a treatment fall in visual functions in Pekhrants–Babinski–Fröhlich syndrome] Sirota GM. **Vestn Oftalmol** 1982 Mar–Apr;(2):63–4 **(Rus)**

PREVENTION & CONTROL

The management of the Kleeblattschadel syndrome. Rogers GL, et al. **Ann Ophthalmol** 1981 Oct;13(10):1173–5
Vision screening requirements under 52 Early and Periodic Screening Diagnosis and Treatment (EPSDT) Programs. Leske MC, et al. **Public Health Rep** 1981 Sep–Oct; 96(5):404–9
Some recent advances in the management and prevention of blindness and visual disability. Rakusin W. **S Afr Med J** 1981 Nov 28;60(22):859–60
[Prevention of visual disorders in work with computer screens] Höfling G. **Ther Ggw** 1982 Feb;121(2):104–21 **(Ger)**
[The eye bus. A mobile ambulatory eye service for the health service] Brinck HP, et al. **Tidsskr Nor Laegeforen** 1981 Oct 20;101(29):1630–1 (Eng. Abstr.) **(Nor)**

PSYCHOLOGY

Factors of problem behavior in visually impaired children. Schnittjer CJ, et al. **J Abnorm Child Psychol** 1981 Dec; 9(4):517–22
[Psychopathology and neuro–ophthalmology in meningioma of the olfactory groove] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Jan;34(1):13–22 (Eng. Abstr.) **(Ger)**
[Diagnosis and therapy of intermittent psychoneural visual disorders in personnel with high demands on visual performance] Gunkel R. **Z Arztl Fortbild (Jena)** 1982 May 1;76(9):401–2 **(Ger)**

RADIOGRAPHY

Computed tomography in patients with homonymous visual field defects—A. Clinico–radiologic correlation. Kattah JC, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):301–12

REHABILITATION

A microprocessor controller for a personal typewriter for visually handicapped users. Brown TJ, et al. **IEEE Trans Biomed Eng** 1982 Jul;29(7):551–5
An optometric approach to the rehabilitation of the stroke patient. Cohen AH, et al. **J Am Optom Assoc** 1981 Oct; 52(10):795–800
Inferior altitudinal losses and prismatic correction. Hoffman L, et al. **J Am Optom Assoc** 1981 Oct;52(10):818–20

SURGERY

Ocular myoclonus and oscillopsia. A problem of treatment. Spalton DJ, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):507–8

THERAPY

Bioptic low vision aid: a simple approach. Bergenske PD, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):283–6
Low vision care—two case reports. Crinigan RP Jr. **Am J Optom Physiol Opt** 1981 Dec;58(12):1150–2
A comparative study of low-vision patients: Their ocular disease and preference for one specific series of light transmission filters. Hoeft WW, et al. **Am J Optom Physiol Opt** 1981 Oct;58(10):841–5
Biofeedback techniques in the treatment of visual and ophthalmologic disorders: a review of the literature. Rotberg MH, et al. **Biofeedback Self Regul** 1981 Sep; 6(3):375–88 (41 ref.)
Hospital clinic aids patients with permanent visual impairments. **Hospitals** 1982 Feb 16;56(4):106–7
A new portable visual aid for the partially sighted. Clemett RS. **Trans Ophthalmol Soc NZ** 1982;34:24–7
[Risk factors in the treatment of disorders of binocular vision] Atanasescu F, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep; 25(3):223–6 **(Rum)**

VISION, ENTOPTIC see under **VISION**

VISION TESTS

Psychophysical tests of vision and hearing in patients with multiple sclerosis. Regan D. **Adv Neurol** 1981;31:217–37
Visual acuity of infants with ocular diseases. Jacobson SG, et al. **Am J Ophthalmol** 1982 Feb;93(2):198–209
Proceedings of the seminar on sinusoidal harmonic acceleration and computerized optokinetic tracking tests. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):1–36
The optokinetic test and the ENG test battery. Hart CW. **Ann Otol Rhinol Laryngol [Suppl]** 1981 Jul–Aug;90(4 Pt 3 Suppl 86):2–6
Spatial contrast sensitivity revisited [editorial] **Br J Ophthalmol** 1981 Aug;65(8):513–4
Contrast sensitivity function of preschool children. Atkinson J, et al. **Br J Ophthalmol** 1981 Aug;65(8):525–9
Contrast sensitivity gratings in glaucoma family screening. Hitchings RA, et al. **Br J Ophthalmol** 1981 Aug;65(8):515–7
The Arden grating acuity: effect of age and optical factors in the normal patient, with prediction of the false negative rate in screening for glaucoma. Singh H, et al. **Br J Ophthalmol** 1981 Aug;65(8):518–24
A forced-choice test improves clinical contrast sensitivity testing. Vaegan, et al. **Br J Ophthalmol** 1982 Aug; 66(8):477–91
Visual acuity of school entrants. Ismail H, et al. **Child Care Health Dev** 1981 Jun;7(3):127–34
Soft contact lens testing on fresh water scuba divers. Cotter J. **Contact Intraocular Lens Med J** 1981 Oct–Dec;7(4):323–6
The routine eye examination for the asymptomatic patient age 25–35. Werner DL. **J Am Optom Assoc** 1981 Nov; 52(11):899–903
The relationship between clinical stereotests. Hall C. **Ophthalmic Physiol Opt** 1982;2(2):135–43
Influence of central depressant drugs on pupil function: an evaluation with the pupil cycle induction test. Safran AB, et al. **Ophthalmologica** 1981;183(4):214–9
[Sensitivity to contrast in patient operated on for congenital cataracts. Study using the Arden test] Vadot E, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):985–6 **(Fre)**
[Analysis of a vision screening test of handicapped children in a hospital milieu] Tremblay G, et al. **Union Med Can** 1982 May;111(5):441–2 **(Fre)**
[A new test (C-test) for quantitative examination of crowding with test results in amblyopic and ametropic patients (author's transl)] Haase W, et al. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):210–5 (Eng. Abstr.) **(Ger)**
[Screening methods in the evaluation of vision disorders in 2- and 4-year-old children in the framework of extended studies] Wolańska W, et al. **Pediatr Pol** 1981 Nov–Dec; 56(11–12):1283–90 (Eng. Abstr.) **(Pol)**

INSTRUMENTATION

New visual acuity charts for clinical research. Ferris FL 3d, et al. **Am J Ophthalmol** 1982 Jul;94(1):91–6
The Baylor Video Acuity Tester. Decker TA, et al. **Arch Ophthalmol** 1981 Nov;99(11):1967–8
A new glare tester for clinical testing. Results comparing normal subjects and variously corrected aphakic patients. LeClaire J, et al. **Arch Ophthalmol** 1982 Jan;100(1):153–8
A new method of subjective refraction. Humphrey WE. **Buch Augenarzt** 1982;90:13–21
New test drum for recording distant vision. Singh YP, et al. **Indian J Ophthalmol** 1981 OCT;29(3):207
A non-polarized alternative to polarized nearpoint test cards. Butler N, et al. **J Am Optom Assoc** 1982 Feb;53(2):141–3
[New PZ-01 device for studying visual acuity in children and adults] Kovalevskiĭ EI, et al. **Vestn Oftalmol** 1981 May-Jun;(3):57–9 **(Rus)**
[Digital instruments for the objective determination of ocular refraction] Obućina D. **Med Arh** 1981;35(4):213–5 **(Scr)**

METHODS

Simultaneous two flash static photoskiascopy. A simple method for screening of children with strabismus or high refractive errors by simultaneous static photographic skiascopy of the horizontal and vertical meridian of both eyes and the documentation of the corneal and fundus reflexes in one photograph. Kaakinen K. **Acta Ophthalmol (Copenh)** 1981 Jun;59(3):378–86
Testing for hypermetropia in the school vision screening programme. Köhler L, et al. **Acta Ophthalmol (Copenh)** 1981 Jun;59(3):369–77
Evaluation of a rapid test of dark adaptation. Vinton NE, et al. **Am J Clin Nutr** 1981 Sep;34(9):1961–6
Standardized illumination for visual acuity testing in clinical research. Ferris FL 3d, et al. **Am J Ophthalmol** 1982 Jul; 94(1):97–8
Stereoacuity tests: comparison of mathematical equivalents. Fagin RR, et al. **Am J Optom Physiol Opt** 1982 May; 59(5):427–35
Contrast sensitivity predicts pilots' performance in aircraft simulators. Ginsburg AP, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):105–9
Human response to cyclofusional stimuli containing depth cues. Hampton DR, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):21–7
Relative legibility of numerals in visual acuity testing. Penn PG. **Am J Optom Physiol Opt** 1981 Dec;58(12):1092–6
STYCAR ball acuity in relation to contrast and blur. Press LJ. **Am J Optom Physiol Opt** 1982 Feb;59(2):128–34
Use of the Frostig Figure Ground in evaluation of adults with low vision. Quillman RD, et al. **Am J Optom Physiol Opt** 1981 Nov;58(11):910–8
Contrast sensitivity and retinal disease. Marmor MF. **Ann Ophthalmol** 1981 Sep;13(9):1069–71
Visual loss in keratoconus. Carney LG. **Arch Ophthalmol** 1982 Aug;100(8):1282–5
Arden contrast sensitivity testing in glaucoma. Stamper RL, et al. **Arch Ophthalmol** 1982 Jun;100(6):947–50
Visual perception of verticality and horizontality among elderly fallers. Tobis JS, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):619–22
Does the Catford drum give an accurate assessment of acuity? Atkinson J, et al. **Br J Ophthalmol** 1981 Sep;65(9):652–6
'Preferential looking' for monocular and binocular acuity testing of infants. Atkinson J, et al. **Br J Ophthalmol** 1982 Apr;66(4):264–8
Histopathological and laboratory assessment of visual dysfunction. Heywood R. **Environ Health Perspect** 1982 Apr;44:35–45 (44 ref.)
Newer laboratory approaches for assessing visual dysfunction. Shinkman PG, et al. **Environ Health Perspect** 1982 Apr;44:55–62 (34 ref.)
A retinoscopic method of assessing accommodative performance of young human infants. Brookman KE. **J Am Optom Assoc** 1981 Nov;52(11):865–9
Modification of the RanDot stereogram for greater clinical reliability. London R, et al. **J Am Optom Assoc** 1981 Nov; 52(11):675–6
Nonmotor component of fusional response to vertical disparity: a second look using an afterimage method. Duwaer AL. **J Opt Soc Am** 1982 Jul;72(7):871–7
Localized effects of spatial frequency adaptation. Williams DW, et al. **J Opt Soc Am** 1982 Jul;72(7):878–87
A comparison of the British number plate and Snellen vision tests for car drivers. Drasdo N, et al. **Ophthalmic Physiol Opt** 1981;1(1):39–54
Finely graded binocular disparities from random-dot stereograms. Reading RW, et al. **Ophthalmic Physiol Opt** 1982;2(1):47–56
Ocular defocus, spurious resolution and contrast reversal. Smith G. **Ophthalmic Physiol Opt** 1982;2(1):5–23
Development of visual line acuity in humans. Hohmann A, et al. **Ophthalmic Res** 1982;14(2):107–12
A modified Amsler grid. A self-assessment test for patients with macular disease. Yannuzzi LA. **Ophthalmology (Rochester)** 1982 Feb;89(2):157–9
Arden grating test in evaluating 'early' posterior subcapsular cataracts. Skalka HW. **South Med J** 1981 Nov; 74(11):1368–70
[The Mehdorn prism competition test] Lanthony P. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):49–51 **(Fre)**
[A simple new device for screening eye tests in pre-school-age children (author's transl)] Keller HH. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):312–3 (Eng. Abstr.) **(Ger)**
[Photostress recovery test. 5. Prolongation of photostress recovery time in glaucoma patients (author's transl)] Harayama K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):543–7 (Eng. Abstr.) **(Jpn)**
[Quantitative measurement of stereopsis by liquid crystal phase difference haploscope (author's transl)] Kawamura M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10; 85(6):548–55 (Eng. Abstr.) **(Jpn)**
[Contrast sensitivity function in retinal disease (author's transl)] Kayazawa F, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1606–12 (Eng. Abstr.) **(Jpn)**
[Mesopic vision: comparative studies by mesoptometer, Lavergne's methode and skotoptikometer (author's transl)] Makabe R. **Nippon Ganka Gakkai Zasshi** 1982;86(2):154–7 (Eng. Abstr.) **(Jpn)**
[Glare tests—comparison of mesoptometer and Lavergne's method (author's transl)] Makabe R. **Nippon Ganka Gakkai Zasshi** 1982;86(3):293–7 (Eng. Abstr.) **(Jpn)**
[Effectiveness of using a simplified method for the combined water-dark campimetric test] Ustinova EI, et al. **Oftalmol Zh** 1982;37(1):41–4 (Eng. Abstr.) **(Rus)**
[Photostress test indices in operators of ultrasonic defectoscopes] Mozherenkov VP, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):64–6 (Eng. Abstr.) **(Rus)**

STANDARDS

Reduced acuity and its relation to blur threshold measurements in optometric tests. Layton A, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):90–3

VISITING NURSES see **COMMUNITY HEALTH NURSING**

VISITORS TO PATIENTS

Influence of a 'friendly visitor' program on the cognitive functioning and morale of elderly persons. Reinke BJ, et al. **Am J Community Psychol** 1981 Aug;9(4):491–504
Parental response to family centered maternity care and to the implementation of sibling visits. Renaud MT. **Milit Med** 1981 Dec;146(12):850–2

VISNA-MAEDI VIRUSES

GENETICS

Visna DNA synthesis and the tempo of infection in vitro. Haase AT, et al. **Virology** 1982 Jun;119(2):399–410

GROWTH & DEVELOPMENT

Slow virus replication: the role of macrophages in the persistence and expression of visna viruses of sheep and goats. Narayan O, et al. **J Gen Virol** 1982 Apr;59(Pt 2):345–56
Intracellular ribonucleoprotein complexes of visna virus are infectious. Filippi P, et al. **J Virol** 1982 Jun;42(3):1057–66

IMMUNOLOGY

Analysis of ovine colostrum to detect antibody against progressive pneumonia virus. Taylor TB, et al. **Can J Comp Med** 1982 Apr;46(2):123–7
An indirect enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies to maedi-visna virus. Houwers DJ, et al. **Vet Microbiol** 1982 Jul;7(3):209–19
[Comparison of the morphological and serological findings in maedi-virus infection of sheep (author's transl)] Hermanns W, et al. **DTW** 1981 Sep 5;88(9):349–51 (Eng. Abstr.) **(Ger)**

METABOLISM

Precursor polypeptides to structural proteins of visna virus. Vigne R, et al. **J Virol** 1982 Jun;42(3):1046–56

ULTRASTRUCTURE

Morphological and immunological comparison of caprine arthritis encephalitis and ovine progressive pneumonia viruses. Dahlberg JE, et al. **J Virol** 1981 Sep;39(3):914–9

VISNADIN see under **BENZOPYRANS**

VISUAL ACUITY

see related
FORM PERCEPTION
REFRACTION, OCULAR

Vernier acuity and stereopsis with discontinuously moving stimuli. Morgan MJ. **Acta Psychol (Amst)** 1981 Aug; 48(1–3):57–67
New visual acuity charts for clinical research. Ferris FL 3d, et al. **Am J Ophthalmol** 1982 Jul;94(1):91–6
Standardized illumination for visual acuity testing in clinical research. Ferris FL 3d, et al. **Am J Ophthalmol** 1982 Jul; 94(1):97–8
Visual acuity of infants with ocular diseases. Jacobson SG, et al. **Am J Ophthalmol** 1982 Feb;93(2):198–209
Prognosis for central vision and anatomic reattachment in rhegmatogenous retinal detachment with macula detached. Tani P, et al. **Am J Ophthalmol** 1981 Nov;92(5):611–20
The relationship between visual acuity, pupillary defect, and visual field loss. Thompson HS, et al. **Am J Ophthalmol** 1982 Jun;93(6):681–8
Simulating decreased visual acuity with a contact lens system. Walonker AF, et al. **Am J Ophthalmol** 1981 Dec; 92(6):863–4
Contrast sensitivity predicts pilots' performance in aircraft simulators. Ginsburg AP, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):105–9
Reduced acuity and its relation to blur threshold measurements in optometric tests. Layton A, et al. **Am J Optom Physiol Opt** 1982 Jan;59(1):90–3
Visual acuity of the hospitalized veteran. Myers KJ. **Am J Optom Physiol Opt** 1981 Dec;58(12):1077–91
Relative legibility of numerals in visual acuity testing. Penn PG. **Am J Optom Physiol Opt** 1981 Dec;58(12):1092–6
A comparison of clinical refractive data obtained by three examiners. Perrigin J, et al. **Am J Optom Physiol Opt** 1982 Jun;59(6):515–9
STYCAR ball acuity in relation to contrast and blur. Press LJ. **Am J Optom Physiol Opt** 1982 Feb;59(2):128–34

Visual acuity in a condition of traffic sign viewing: the effects of luminance changes. van Norren D. **Am J Optom Physiol Opt** 1981 Sep;58(9):699–705

Stimulus control in visual evoked potentials and behavioral assessment of infant vision. Braddick O, et al. **Ann NY Acad Sci** 1982;388:642–4

Visual prognosis in patients with ruptures in Descemet's membrane due to forceps injuries. Angell LK, et al. **Arch Ophthalmol** 1981 Dec;99(12):2137–9

The Baylor Video Acuity Tester. Decker TA, et al. **Arch Ophthalmol** 1981 Nov;99(11):1967–8

Visual prognosis in carotid–cavernous fistula. Palestine AG, et al. **Arch Ophthalmol** 1981 Sep;99(9):1600–3

Visual outcome in moderate and severe proliferative diabetic retinopathy. Spencer R, et al. **Arch Ophthalmol** 1981 Sep; 99(9):1551–4

Visual acuity in color contrast on cathode ray tubes: role of luminance, hue, and saturation contrasts. Santucci G, et al. **Aviat Space Environ Med** 1982 May;53(5):478–84

Visual pathways and acuity hooded rats. Dean P. **Behav Brain Res** 1981 Sep;3(2):239–71

Visual acuity in cats following surgically induced cyclotropia. Timney B, et al. **Behav Brain Res** 1981 Nov; 3(3):289–302

Behavioral training for myopia: long term maintenance of improved acuity. Collins FL Jr, et al. **Behav Res Ther** 1981; 19(3):265–8

Does the Catford drum give an accurate assessment of acuity? Atkinson J, et al. **Br J Ophthalmol** 1981 Sep;65(9):652–6

'Preferential looking' for monocular and binocular acuity testing of infants. Atkinson J, et al. **Br J Ophthalmol** 1982 Apr;66(4):264–8

Development of visual acuity in infants with congenital cataracts. Jacobson SG, et al. **Br J Ophthalmol** 1981 Oct; 65(10):727–35

Visual acuity of school entrants. Ismail H, et al. **Child Care Health Dev** 1981 Jun;7(3):127–34

The relationship among handedness, sighting dominance, and acuity dominance in elementary school children. Hebben N, et al. **Cortex** 1981 Oct;17(3):441–6

Glucose and glucagon do stimulate somatostatin release from isolated pancreatic islets [letter] Daley MS, et al. **Diabetologia** 1981 Sep;21(3):238–9

Development of a search task for the measurement of peripheral visual acuity. Bellamy LJ, et al. **Ergonomics** 1981 Jul;24(7):497–509

Behavioural, physiological, and anatomical consequences of monocular deprivation in the golden hamster (Mesocricetus auratus). Emerson VF, et al. **Exp Brain Res** 1982; 45(1–2):168–78

Relationship between amblyopia, LGN cell 'shrinkage' and cortical ocular dominance in cats. Tremain KE, et al. **Exp Brain Res** 1982;45(1–2):243–52

Does welding affect visual acuities or color sensitivity? Caelli T, et al. **Hum Factors** 1982 Feb;24(1):115–9

Anterior keratotomy. (Dissection ligamentus circulatum cornea). Reddy PS, et al. **Indian J Ophthalmol** 1981 OCT; 29(3):217–20

A signal detection study of the effects of suggested improvement on the monocular visual acuity of myopes. Sheehan EP, et al. **Int J Clin Exp Hypn** 1982 Apr; 30(2):138–46

Optically induced anisometropia in kittens. Maguire GW, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):253–64

Development of optical quality in the infant monkey (Macaca nemestrina) eye. Williams RA, et al. **Invest Ophthalmol Vis Sci** 1981 Nov;21(5):728–36

Low cost random access acuity projector. Cook BJ. **J Am Optom Assoc** 1981 Nov;52(11):871–4

Substandard acuity in the healthy looking eye. Grala PE. **J Am Optom Assoc** 1981 Sep;52(9):725–9 (63 ref.)

Binocular visual acuity--legal and ethical consideration. Hallak J. **J Am Optom Assoc** 1982 Jun;53(6):487–8

Dynamic visual acuity: a review. Hoffman LG, et al. **J Am Optom Assoc** 1981 Nov;52(11):883–7

Visual acuity as a function of age. Pitts DG. **J Am Optom Assoc** 1982 Feb;53(2):117–24

Methodological considerations in experiments on imagery acuity. Finke RA, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):848–54

Area and contrast effects upon perceptual and imagery acuity. Finke RA, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):825–32

Experimenter naiveté and imaginal judgments. Intons-Peterson MJ, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):833–43

Spatiotemporal characteristics of thresholds adjacent to a luminance edge. Limb JO, et al. **J Opt Soc Am** 1981 Oct; 11(10):1209–19

Poor visual acuity of taxi drivers as a possible cause of motor traffic accidents in Bendel State, Nigeria. Alakija W. **J Soc Occup Med** 1981 Oct;31(4):167–70

Unscrambling amblyopia [news] Braddick O. **Nature** 1982 Jul 15;298(5871):224–5

Hyperacuity and amblyopia. Levi DM, et al. **Nature** 1982 Jul 15;298(5871):268–70

CAM vision stimulator; a controlled study. Hartman DK. **NY State J Med** 1982 Apr;82(5):723–4

The minimum angle of resolution vs angle of regard function as measured with different targets. Genter CR 2d, et al. **Ophthalmic Physiol Opt** 1981;1(1):3–12 (46 ref.)

The effect of colour output of intensifying devices on acuity in pigmentary retinal degeneration. Taylor SP. **Ophthalmic Physiol Opt** 1981;1(2):107–13

Development of visual line acuity in humans. Hohmann A, et al. **Ophthalmic Res** 1982;14(2):107–12

Prognosis of visual acuity after surgery for detached retina, with special reference to the unaffected eye. Amemiya T, et al. **Ophthalmologica** 1981;183(3):128–35

An ergo-ophthalmological battery of tests to classify truck drivers. Serra A. **Ophthalmologica** 1981;183(2):105–9

Central retinal artery obstruction and visual acuity. Brown GC, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):14–9

Automated variable contrast acuity testing. Mainster MA, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1045–53

Midline versus eccentric pattern perception with acuity equated. Gleisner D, et al. **Percept Mot Skills** 1982 Feb; 54(1):103–9

Scotopic thresholds of rhesus monkeys at different grating densities under normal and low-protein diets. Hill CW, et al. **Percept Mot Skills** .981 Oct;53(2):467–71

Meridional variation in visual acuity of hooded rats reared in a carpentered environment. Dean P, et al. **Perception** 1981;10(4):423–30

Visual hyperacuity:spatiotemporal interpolation in human vision. Fahle M, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24;213(1193):451–77

Accomodative defocus does not limit development of acuity in infant Macaca nemestrina monkeys. Howland H, et al. **Science** 1982 Mar 12;215(4538):1409–11

Results of lens implant surgery. Jaffe NS. **Trans Ophthalmol Soc NZ** 1982;34:36–40

Adult levels of meridional anisotropy and contrast threshold in 5-year olds. Beazley LD, et al. **Vision Res** 1982; 22(1):135–8

Stereoacuity development for crossed and uncrossed disparities in human infants. Birch EE, et al. **Vision Res** 1982;22(5):507–13

Effects of stimulus vergence on mean accommodation response, microfluctuations of accommodation and optical quality of the human eye. Denieul P. **Vision Res** 1982; 22(5):561–9

Contrast detection and near-threshold discrimination in human vision. Foley JM, et al. **Vision Res** 1981; 21(7):1041–53

Ganglion cell acuity in hooded rats. Friedman LJ, et al. **Vision Res** 1982;22(4):441–4

Visual acuity development in infant monkeys (Macaca nemestrina) having known gestational ages. Lee CP, et al. **Vision Res** 1981;21(6):805–9

Differential motion hyperacuity under conditions of common image motion. Nakayama K. **Vision Res** 1981; 21(10):1475–82

Effect of focus on visual acuity of human infants. Powers MK, et al. **Vision Res** 1982;22(5):521–8

Naso-temporal asymmetries in human amblyopia consequence of long-term interocular suppression. Sireteanu R, et al. **Vision Res** 1981;21(7):1055–63

The pigeon's distant visual acuity as a function of viewing angle. Uhlrich DJ, et al. **Vision Res** 1982;22(4):429–31

Contour curvature analysis: hyperacuities in the discrimination of detailed shape. Watt RJ, et al. **Vision Res** 1982;22(4):449–60

The spatial grain of the perifoveal visual field. Westheimer G. **Vision Res** 1982;22(1):157–62

[Etiological analysis of diminution of visual acuity in 220 elderly patients (author's transl)] Chen SN. **Chung Hua Yen Ko Tsa Chih** 1981 Jul;17(4):240–1 **(Chi)**

[Optic neuritis in children. Clinical aspects and evolution in 14 patients (author's transl)] de Leersnyder H, et al. **Arch Fr Pediatr** 1981 Oct;38(8):563–8 (Eng. Abstr.) **(Fre)**

[Visual stress in work at visual display units (author's transl)] Meyer JJ, et al. **Klin Monatsbl Augenheilkd** 1982 May; 180(5):373–6 (Eng. Abstr.) **(Fre)**

[Objective determination of visual acuity using visual evoked cortical potentials] Groneberg A, et al. **Buch Augenarzt** 1982;90:97–9 (Eng. Abstr.) **(Ger)**

[Visually evoked cortical potentials (VECP) in patients with doubtful impairment of central vision (author's transl)] Groneberg A, et al. **Klin Monatsbl Augenheilkd** 1981 Sep; 179(3):173–6 (Eng. Abstr.) **(Ger)**

[Variability of visual acuity, dark adaptation and electroretinogram in retinitis pigmentosa] Niemeyer G, et al. **Klin Monatsbl Augenheilkd** 1982 May;180(5):401–4 (Eng. Abstr.) **(Ger)**

[Determination of visual acuity by the visually evoked cortical potential (author's transl)] Teping C. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):169–72 (Eng. Abstr.) **(Ger)**

[Fixation in cases of reduced visual acuity (author's transl)] Wilmanns I, et al. **Klin Monatsbl Augenheilkd** 1982 Jan; 180(1):108 (Eng. Abstr.) **(Ger)**

[Studies on stereoacuity in normal subjects and anisometropic amblyopes by the stereo-threshold measured with the phase difference haploscope (author's transl)] Sugawara M, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(1):64–70 (Eng. Abstr.) **(Jpn)**

[Uveitis as a cause of visual acuity impairment in children (author's transl)] Koraszewska-Matuszewska B, et al. **Klin Oczna** 1981 Jul-Sep;83(7–8):369–71 (Eng. Abstr.) **(Pol)**

[Visual acuity determination 50 years ago and now] Sokołowski T. **Klin Oczna** 1981;83(9):451 **(Pol)**

[Effect of vibration on the eye] Harazin B, et al. **Pol Tyg Lek** 1981 Aug 3;36(31):1191–3 (Eng. Abstr.) **(Pol)**

[Establishment of the lighting levels for schoolchildren with decreased near visual acuity] Savel'ev ON, et al. **Gig Sanit** 1981 Sep;(9):71–3 **(Rus)**

[Retinal visual acuity of normal eyes] Aletisov ES, et al. **Oftalmol Zh** 1982;37(1):32–6 (Eng. Abstr.) **(Rus)**

[Results of determining dynamic acid and static visual acuity in congenital nonaccommodative concomitant strabismus] Seniakina AS, et al. **Oftalmol Zh** 1981;36(7):405–8 (Eng. Abstr.) **(Rus)**

[New PZ-01 device for studying visual acuity in children and adults] Kovalevskii EI, et al. **Vestn Oftalmol** 1981 May-Jun;(3):57–9 **(Rus)**

[Effect of the facial portion of a gas mask on central twilight vision and resistance to blinding] Galdai VM. **Voen Med Zh** 1981 Sep;(9):64 **(Rus)**

[The effect of emergency microsurgery in penetrating injuries of the eye on visual acuity in children] Artiko G, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1015–9 (Eng. Abstr.) **(Scc)**

DRUG EFFECTS

Transient bilateral visual reduction and mydriasis after propranolol treatment [letter] Parrish DO, et al. **Ann Neurol** 1981 Dec;10(6):583

Nitrous oxide influences pattern EP estimate of visual acuity. van der Marel H, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):250–2

Acrylamide-induced visual impairment in primates. Merigan WH, et al. **Toxicol Appl Pharmacol** 1982 Feb;62(2):342–5

[Drugs and visual acuity in automobile driving] Küchle HJ, et al. **Med Monatsschr Pharm** 1981 Nov;4(11):321–5 **(Ger)**

VISUAL AIDS see **AUDIO-VISUAL AIDS**

VISUAL CORTEX

[Restitution of visual function in two cases of post-anoxic occipital blindness: a long term clinical study (author's transl)] Ducarne B, et al. **Rev Neurol (Paris)** 1981; 137(12):741–84 (Eng. Abstr.) **(Fre)**

[Colour perimetry: method and diagnostic value (author's transl)] Zihl J, et al. **Nervenarzt** 1981 Oct;52(10):574–80 **(Ger)**

ANATOMY & HISTOLOGY

Morphology of axon terminals in the visual cortex as revealed by locally injected horseradish-peroxidase. Vanegas H, et al. **Acta Cient Venez** 1980;31(6):572–7

The normal organization of the lateral posterior nucleus in the golden hamster and its reorganization after neonatal superior colliculus lesions. Crain BJ, et al. **Behav Brain Res** 1981 Sep;3(2):223–8

Receptive field structure of area 19 as compared to area 17 of the cat. Duysens J, et al. **Brain Res** 1982 Jan 14; 231(2):293–308

Retinotopic organization of the striate cortex (area 17) in the reeler mutant mouse. Simmons PA, et al. **Brain Res** 1982 May;256(1):124–6

The termination of geniculocortical fibres in area 17 of the visual cortex in the macaque monkey. Winfield DA, et al. **Brain Res** 1982 Jan 7;231(1):19–32

Behavioural, physiological, and anatomical consequences of monocular deprivation in the golden hamster (Mesocricetus auratus). Emerson VF, et al. **Exp Brain Res** 1982; 45(1–2):168–78

An anatomical investigation of projections from lateral geniculate nucleus to visual cortical areas 17 and 18 in newborn kitten. Henderson Z. **Exp Brain Res** 1982; 46(2):177–85

Topographic organization of orientation columns in the cat visual cortex. A deoxyglucose study. Singer W. **Exp Brain Res** 1981;44(4):431–6

The organization of subcortical projections of the hamster's visual cortex. Lent R. **J Comp Neurol** 1982 Apr 10; 206(3):227–42

Direct projection from the dorsal lateral geniculate nucleus to the prestriate cortex in macaque monkeys. Yukie M, et al. **J Comp Neurol** 1981 Sep 1;201(1):81–97

A light and electron microscopic study of the intraneuronal transport of horseradish peroxidase and wheat germ agglutinin-peroxidase conjugates in the rat visual system. Trojanowski JQ, et al. **J Neurocytol** 1981 Jun;10(3):441–56

Direct demonstration of transsynaptic degeneration in the human visual system: a comparison of retrograde and anterograde changes. Beatty RM, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):143–6

Visual topography of striate projection zone (MT) in posterior superior temporal sulcus of the macaque. Gattass R, et al. **J Neurophysiol** 1981 Sep;46(3):621–38

Columnar organization of color cells in monkey's striate cortex. Michael CR. **J Neurophysiol** 1981 Sep; 46(3):587–604

The distribution of the cells of origin of callosal projections in cat visual cortex. Segraves MA, et al. **J Neurosci** 1982 Aug;2(8):1079–89

The afferent and efferent callosal connections of retinotopically defined areas in cat cortex. Segraves MA,

et al. **J Neurosci** 1982 Aug;2(8):1090–107

The pattern of interhemispheric connections and its relationship to extrastriate visual areas in the macaque monkey. Van Essen DC, et al. **J Neurosci** 1982 Mar; 2(3):265–83

Cortico–recipient and tecto–recipient visual zones in the rat's lateral posterior (pulvinar) nucleus: an anatomical study. Mason R, et al. **Neurosci Lett** 1981 Sep 1;25(2):107–12

Principles of axonal collateralization of laminae II–III pyramids in area 17 of squirrel monkey: a quantitative Golgi study. Tigges J, et al. **Neurosci Lett** 1982 Apr 16; 29(2):99–104

Histochemical evidence for a catecholaminergic (presumably dopaminergic) projection from the ventral mesencephalic tegmentum to visual cortex in the cat. Törk I, et al. **Neurosci Lett** 1981 Jul 17;24(3):215–9

Cortical anatomy, size invariance, and spatial frequency analysis. Schwartz EL. **Perception** 1981;10(4):455–68

Recovery from monocular deprivation in the monkey. III. Reversal of anatomical effects in the visual cortex. Swindale NV, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24;213(1193):435–50

Electron microscopy of Golgi impregnated neurons in cat visual cortex used to trace thalamo–cortical projections. Garey LJ, et al. **Prog Clin Biol Res** 1981;59A:303–10

[Neuromorphological evidence of individual differences in human vision] Zvorykin VP. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):21–4 (Eng. Abstr.) **(Rus)**

[Visual thalamic afferents of field 29 of the limbic cortex in the rat] Akopian EV. **Neirofiziologiia** 1982;14(2):135–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Cortical blindness: diagnostic, evolution and interest of new methods of exploration (author's transl)] Guillemot A, et al. **Rev Otoneuroophtalmol** 1982 Jan–Feb;54(1):39–42 (Eng. Abstr.) **(Fre)**

CYTOLOGY

Properties of visually sensitive neurons in lateral suprasylvian area of the cat. Khachvankian DK, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(3):299–313 (44 ref.)

On the structure of the human striate area. Braak E. **Adv Anat Embryol Cell Biol** 1982;77:1–86

Cytoarchitectonics of some nuclei in the avian auditory and visual systems. Rylander MK, et al. **Anat Anz** 1982; 151(4):421–3

The monocular and binocular segment of the cat's visual cortex. A cytoarchitectonic study with stereological procedures. Moral JE, et al. **Anat Embryol (Berl)** 1982; 163(4):487–500

Further studies on the size specificity of commissural projecting neurons of layer III in areas 17, 18, 19 and the lateral suprasylvian area of the cat's visual cortex. Shoumura K. **Arch Histol Jpn** 1981 Mar;44(1):51–69

The role of the noradrenergic system on the formation of synapses in the visual cortex of the rat. Parnavelas JG, et al. **Brain Res** 1982 Jan;255(1):140–4

Postnatal development of the visual cortex of the mouse after enucleation at birth. Heumann D, et al. **Exp Brain Res** 1982; 46(1):99–106

The distribution of pontine projection cells in visual and association cortex of the cat: an experimental study with horseradish peroxidase. Albus K, et al. **J Comp Neurol** 1981 Sep 10;201(2):175–89

Anatomical organization of primate visual cortex area VII. Lund JS, et al. **J Comp Neurol** 1981 Oct 10;202(1):19–45

A reassessment of the forms of nonpyramidal neurons in area 17 of cat visual cortex. Peters A, et al. **J Comp Neurol** 1981 Dec 20;203(4):685–716

Chandelier cells in rat visual cortex. Peters A, et al. **J Comp Neurol** 1982 Apr 20;206(4):397–416

Projections from the superior colliculus and the neocortex to the pulvinar nucleus in Galago. Raczkowski D, et al. **J Comp Neurol** 1981 Aug 1;200(2):231–54

Efferent systems of the rabbit visual cortex: laminar distribution of the cells of origin, axonal conduction velocities, and identification of axonal branches. Swadlow HA, et al. **J Comp Neurol** 1981 Dec 20;203(4):799–822

Areal and laminar distribution of neurons interconnecting the central visual cortical areas 17, 18, 19, and MT in squirrel monkey (Saimiri). Tigges J, et al. **J Comp Neurol** 1981 Nov 10;202(4):539–60

Age–related classification of pyramidal and stellate cells in the rat visual cortex: a Nissl study with the 'Morphoquant'. Werner L, et al. **J Hirnforsch** 1981;22(4):397–403

Retzius–Cajal cells: an ultrastructural study in the developing visual cortex of the rat. Edmunds SM, et al. **J Neurocytol** 1982 Jun;11(3):427–46

Identification of pericellular baskets in the cat striate cortex: light and electron microscopic observations after uptake of horseradish peroxidase. Holländer H, et al. **J Neurocytol** 1981 Aug;10(4):577–87

Axosomatic synapses in the visual cortex of adult rat. A comparison between GABA–accumulating and other neurons. Wolff JR, et al. **J Neurocytol** 1982 Jun; 11(3):409–25

Physiological evidence that the 2–deoxyglucose method reveals orientation columns in cat visual cortex. Schoppmann A, et al. **Nature** 1981 Oct 15–21; 293(5833):574–6

Patches in monkey visual cortex [news] Swindale NV. **Nature** 1981 Oct 15–21;293(5833):509–10

Receptive field properties of neurons in the visual cortex of the rat. Parnavelas JG, et al. **Neurosci Lett** 1981 Dec 23;27(3):291–6

The projection from the lateral geniculate nucleus to the prestriate cortex of the macaque monkey. Fries W. **Proc R Soc Lond [Biol]** 1981 Sep 17;213(1190):73–86

The number and distribution of Meynert cells in area 17 of the macaque monkey. Winfield DA, et al. **Proc R Soc Lond [Biol]** 1981 Sep 17;213(1190):27–40

Widespread periodic intrinsic connections in the tree shrew visual cortex. Rockland KS, et al. **Science** 1982 Mar 19; 215(4539):1532–4

Spatial frequency columns in primary visual cortex. Tootell RB, et al. **Science** 1981 Nov 13;214(4522):813–5

Silent periodic cells in the cat striate cortex. Kulikowski JJ, et al. **Vision Res** 1982;22(1):191–200

[Retrograde transneural degeneration in the visual system: neuromorphological study and problems (author's transl)] Fuentes C, et al. **Z Mikrosk Anat Forsch** 1981;95(6):905–18 (Eng. Abstr.) **(Fre)**

[Morphological analysis of the microglial cells in the visual cortex of adult rats with special regard to their contacts to other tissue structures (author's transl)] Leibnitz L. **Z Mikrosk Anat Forsch** 1981;95(2):304–9 **(Ger)**

[Age related classification of neurons in the rat visual cortex: a Nissl study (author's transl)] Werner L. **Z Mikrosk Anat Forsch** 1981;95(2):183–90 (Eng. Abstr.) **(Ger)**

[On the neuronal organization of the visual cortex (author's transl)] Winkelmann E, et al. **Z Mikrosk Anat Forsch** 1981; 95(3):369–80 (67 ref.) **(Ger)**

[Organization of the afferent subcortical inputs of the visual area of the cat cerebral cortex] Obukhova GP. **Arkh Anat Gistol Embriol** 1982 Jun;82(6):17–21 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Ketamine and e.e.g. seizure waves: interaction with anti–epileptic drugs. Kayama Y. **Br J Anaesth** 1982 Aug; 54(8):879–83

Thyroxine treatment and recovery of hypothyroidism–induced pyramidal cell damage. Ruiz–Marcos A, et al. **Brain Res** 1982 May 13;239(2):559–74

Single cell responses in cat visual cortex to visual stimulation during iontophoresis of noradrenaline. Kasamatsu T, et al. **Exp Brain Res** 1982;45(3):317–27

Cell size changes in the lateral geniculate nuclei of normal and monocularly deprived cats treated with 6–hydroxydopamine and/or norepinephrine. Hitchcock PF, et al. **J Neurosci** 1982 Jun;2(6):681–6

Dose effects of pentobarbital on evoked potentials in visual cortex and superior colliculus of the albino rat. Hetzler BE, et al. **Neuropharmacology** 1981 Oct;20(10):969–78

Neuroleptic drug effects on average evoked response augmentation–reduction in rats. Tasman A, et al. **Neuropsychobiology** 1981;7(6):292–6

[Enkephalin inhibition of the electrical activity of the visual cortex of the left and right hemispheres] Pivovarov AS, et al. **Dokl Akad Nauk SSSR** 1981;261(1):240–4 **(Rus)**

GROWTH & DEVELOPMENT

The development of the thalamic projections to layer 1 of the visual cortex of the rat. Parnavelas JG, et al. **Anat Embryol (Berl)** 1981;163(1):71–5

The postnatal development of the visual cortex and the influence of environment. Wiesel TN. **Biosci Rep** 1982 Jun; 2(6):351–77 (78 ref.)

The critical period for alteration in cortical binocularity resulting from divergent and convergent strabismus. Berman N, et al. **Brain Res** 1981 Sep;254(2):181–202

The sensitive period for strabismus in the kitten. Levitt FB, et al. **Brain Res** 1982 Feb;255(2):323–7

Postnatal development of the corticofugal projection from striate cortex to lateral geniculate nucleus in kittens. Tsumoto T, et al. **Brain Res** 1982 Jul;256(3):323–32

Postnatal development of the monkey's visual system. Blakemore C, et al. **Ciba Found Symp** 1981;86:152–71

The effect of neonatal 6–hydroxydopamine treatment on synaptogenesis in the visual cortex of the rat. Blue ME, et al. **J Comp Neurol** 1982 Feb 20;205(2):199–205

Maturation of rat visual cortex. II. A combined Golgi–electron microscope study of pyramidal neurons. Miller M, et al. **J Comp Neurol** 1981 Dec 20;203(4):555–73

Maturation of rat visual cortex. I. A quantitative study of Golgi–impregnated pyramidal neurons. Miller M. **J Neurocytol** 1981 Oct;10(5):859–78

Central gating of developmental plasticity in kitten visual cortex. Singer W, et al. **J Physiol (Lond)** 1982 Mar; 324:221–37

Effects of progressively longer durations of monocular deprivation on development of visuocortical receptive fields in the rabbit. Crabtree JW, et al. **Neurosci Lett** 1981 Oct;26(1):61–5

INJURIES

Age correlated differences in the amount of retinal degeneration after striate cortex lesions in monkeys. Dineeen JT, et al. **Invest Ophthalmol Vis Sci** 1981 Nov; 21(5):749–52

Loss of retinal X–cells in cats with neonatal or adult visual cortex damage. Tong L, et al. **Science** 1982 Jul 2; 217(4554):72–5

METABOLISM

Selectivity of neuronal [3H]GABA accumulation in the visual cortex as revealed by Golgi staining of the labeled neurons. Somogyi P, et al. **Brain Res** 1981 Nov 30; 225(2):431–6

Dynamic changes of serotonin levels during the first visual experience of binocularly deprived kittens. Kossut M, et al. **J Neurochem** 1981 Nov;37(5):1077–80

Prolactin increases the density of striatal dopamine receptors in normal and hypophysectomized male rats. Hruska RE, et al. **Life Sci** 1982 Feb 7;30(6):547–53

Vertical organization of neurones accumulating 3H–GABA in visual cortex of rhesus monkey. Somogyi P, et al. **Nature** 1981 Dec 24;294(5843):761–3

Noradrenergic and serotonergic fibers innervate complementary layers in monkey primary visual cortex: an immunohistochemical study. Morrison JH, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2401–5

[Effect of photic stimulation on serotonin content in the mitochondria of the visual cortex of dogs during early postnatal ontogenesis] Kerimova NK, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):31–3 **(Rus)**

PATHOLOGY

Abnormal neuronal development in the visual cortex of the human fetus and infant with down's syndrome. A quantitative and qualitative Golgi study. Takashima S, et al. **Brain Res** 1981 Nov 23;225(1):1–21

Retardation of neuronal maturation in premature infants compared with term infants of the same postconceptional age. Takashima S, et al. **Pediatrics** 1982 Jan;69(1):33–9

[Association in visually related areas of cats studied by horseradish peroxidase. II Experimental organic mercury poisoning (author's transl)] Takeda J. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1662–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Acoustically evoked potentials in the visual cortex and superior coliculus of the freely moving rat and their variability. Brankatschk J, et al. **Acta Biol Med Ger** 1981; 40(9):1153–59

Diminution of cortical visually evoked potentials during the following eye–movement in the cat. Michalski A, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(6):623–32

Eye movement related cellular activity in the visual cortex of the cat. Hasan J, et al. **Acta Physiol Scand** 1981 May; 112(1):97–9

Velocity sensitivity of areas 17 and 18 of the cat. Orban GA, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):303–9

Visual–vestibular interactions in visual cortical cells in the cat. Lahue RH Jr, et al. **Ann NY Acad Sci** 1981;374:262–73

Electroretinographic and visual cortical potentials in response to alternating gratings. Maffei L. **Ann NY Acad Sci** 1982;388:1–10

The relationship of visual evoked potentials to cortical physiology. Nakayama K. **Ann NY Acad Sci** 1982;388:21–36

Prosthesis–related studies on visual cortex neurons. Ronner SF. **Appl Neurophysiol** 1982;45(1–2):18–24

Radial–maze performance in the rat following lesions of posterior neocortex. Goodale MA, et al. **Behav Brain Res** 1981 Sep;3(2):273–88

New methods for analysis of vision in the gerbil. Ingle DJ. **Behav Brain Res** 1981 Sep;3(2):151–73

The contribution of the corpus callosum to receptive fields in the lateral suprasylvian visual areas of the cat. Marzi CA, et al. **Behav Brain Res** 1982 Feb;4(2):155–76

Reversal of the behavioural effects of monocular deprivation as a function of age in the kitten. Wilkinson FE. **Behav Brain Res** 1980 Feb;1(1):101–23

A simplified version of Kunihiko Fukushima's Neocognitron. Deutsch S. **Biol Cybern** 1981;42(1):17–21

Spatio–temporal organization of receptive fields of the cat striate cortex. The receptive fields as the grating filters. Glezer VD, et al. **Biol Cybern** 1982;43(1):35–49

Recursive features of circular receptive fields. Hartmann G. **Biol Cybern** 1982;43(3):199–208

Theory of spatial position and spatial frequency relations in the receptive fields of simple cells in the visual cortex. Kulikowski JJ, et al. **Biol Cybern** 1982;43(3):187–98

Columnar architecture and computational anatomy in primate visual cortex: segmentation and feature extraction via spatial frequency coded difference mapping. Schwartz EL. **Biol Cybern** 1982;42(3):157–68

Extratelencephalic pathways and feeding behavior in the pigeon (Columba livia). Levine RR, et al. **Brain Behav Evol** 1981;19(1–2):56–92

Topography of the cortico–cortical connections from the striate cortex in the cat. Montero VM. **Brain Behav Evol** 1981;18(4):194–218

Monosynaptic excitation of principal cells in the lateral geniculate nucleus by corticofugal fibers. Ahlsen G, et al. **Brain Res** 1982 Feb 25;234(2):454–8

Is stimulus movement of particular importance in the functioning of cat visual cortex? Duysens J, et al. **Brain Res** 1981 Sep 7;220(1):184–7

Functional properties of area 19 as compared to area 17 of

the cat. Duysens J, et al. **Brain Res** 1982 Jan 14; 231(2):279–91

Intracortical evoked potentials of cats elicited by punctate visual stimuli in receptive field peripheries. Ebersole JS, et al. **Brain Res** 1981 Nov 9;224(1):160–4

Depth perception, eye alignment and cortical ocular dominance of dark-reared cats. Kaye M, et al. **Brain Res** 1981 Aug;254(1):37–53

Comparison of the effects of dark rearing and binocular suture on development and plasticity of cat visual cortex. Mower GD, et al. **Brain Res** 1981 Sep 14;220(2):255–67

Membrane characteristics of visual cortical neurons in in vitro slices. Ogawa T, et al. **Brain Res** 1981 Dec 7; 226(1–2):315–9

Projections from areas 17 and 18 of the visual cortex to the nucleus of the optic tract. Schoppmann A. **Brain Res** 1981 Oct 26;223(1):1–17

Cortical visual input to the orbito-insular cortex in the cat. Squatrito S, et al. **Brain Res** 1981 Sep 21;221(1):71–9

Maturation of cortical control over superior colliculus cells in cat. Stein BE, et al. **Brain Res** 1981 Nov 2;223(2):429–35

Effects of stimulation of the dorsocaudal claustrum on activities of striate cortex neurons in the cat. Tsumoto T, et al. **Brain Res** 1982 May 27;240(2):345–9

Layer-specific labelling of cat visual cortex after stimulation with visual noise: a [3H]2-deoxy-d-glucose study. Wagner HJ, et al. **Brain Res** 1981 Nov 9;224(1):31–43

The hemispheric dominance of cortical cells in the absence of direct visual pathways. Yinon U, et al. **Brain Res** 1982 Jan 28;232(1):187–90

Thalamocortical coupling and component properties of visually evoked afterdischarge. Standage GP, et al. **Brain Res Bull** 1981 Jul;7(1):89–92

Synaptic transmission in suprasylvian visual cortex is reduced by excitatory amino acid antagonists. Hicks TP, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):893–6

Binocular stimulation reveals cortical components of the human visual evoked potential. Bodis-Wollner I, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct; 52(4):298–305

Pattern processing and slow waves in visual cortex of visually deprived cats. Glass JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar;53(3):334–7

The early wave of the visual evoked potential to sinusoidal gratings: responses to quadrant stimulation as a function of spatial frequency. Parker DM, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):427–35

Short latency visual evoked potentials in man. Pratt H, et al. **Electroencephalogr Clin Neurophysiol** 1982 Jul; 54(1):55–62

The contribution of the cortical layers to the generation of the EEG: field potential and current source density analyses in the rabbit's visual cortex. Rappelsberger P, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):254–69

Intracortical microstimulation of neurons in the visual cortex of the cat. Ronner SF, et al. **Electroencephalogr Clin Neurophysiol** 1981 Oct;52(4):375–7

Visual cortex activation recorded by dynamic emission computed tomography of inhaled xenon 133. Henriksen L, et al. **Eur J Nucl Med** 1981;6(11):487–9

Monocular deprivation in the Siamese cat: development of cortical orientation and direction sensitivity without visual experience. Berman N, et al. **Exp Brain Res** 1982; 46(1):147–50

An 'oblique effect' in the visual evoked potential of the cat. Bonds AB. **Exp Brain Res** 1982;46(1):151–4

The variability of discharge of simple cells in the cat striate cortex. Dean AF. **Exp Brain Res** 1981;44(4):437–40

Non-linear temporal summation by simple cells in cat striate cortex demonstrated by failure of superposition. Dean AF, et al. **Exp Brain Res** 1982;45(3):456–8

Magnification factor and receptive field size in foveal striate cortex of the monkey. Dow BM, et al. **Exp Brain Res** 1981; 44(2):213–28

Velocity sensitivity mechanisms in cat visual cortex. Duysens J, et al. **Exp Brain Res** 1982;45(1–2):285–94

Enhanced activation of neurons in prelunate cortex before visually guided saccades of trained rhesus monkeys. Fischer B, et al. **Exp Brain Res** 1981;44(2):129–37

Orientation deprivation in cat: what produces the abnormal cells? Gordon B, et al. **Exp Brain Res** 1982;46(1):144–6

Linear analysis of the responses of simple cells in the cat visual cortex. Kulikowski JJ, et al. **Exp Brain Res** 1981; 44(4):386–400

Spatial arrangements of responses by cells in the cat visual cortex to light and dark bars and edges. Kulikowski JJ, et al. **Exp Brain Res** 1981;44(4):371–85

Visual receptive field properties of cells innervated through the corpus callosum in the cat. Lepore F, et al. **Exp Brain Res** 1982;46(3):413–24

Physiologic and anatomic investigation of a visual cortical area situated in the ventral bank of the anterior ectosylvian sulcus of the cat. Mucke L, et al. **Exp Brain Res** 1982; 46(1):1–11

Illusions of filled lateral and angular extent. The role of cortical feature detectors. Rentschler I, et al. **Exp Brain Res** 1981;44(2):154–8

Orientation selectivity in the cat's striate cortex is invariant with stimulus contrast. Sclar G, et al. **Exp Brain Res** 1982; 46(3):457–61

Extrageniculostriate vision in the monkey. VIII. Critical structures for spatial localization. Solomon SJ, et al. **Exp Brain Res** 1981;44(3):259–70

Preferred direction of movement as an element in the organization of cat visual cortex. Tolhurst DJ, et al. **Exp Brain Res** 1981;44(3):340–2

Ocular dominance in kitten cortex: induced changes of single cells while they are recorded. Tsumoto T, et al. **Exp Brain Res** 1981;44(3):347–51

Laminar differences in development of afferent innervation to striate cortex neurones in kittens. Tsumoto T, et al. **Exp Brain Res** 1982;45(3):433–46

Single unit receptive fields in rabbit primary binocular cortex. Vaney DI, et al. **Exp Brain Res** 1982;46(2):257–62

Single neuron activity related to natural vestibular stimulation in the cat's visual cortex. Vanni-Mercier G, et al. **Exp Brain Res** 1982;45(3):451–5

Retinotopic organization of extra-retinal saccade-related input to the visual cortex in the cat. Vanni-Mercier G, et al. **Exp Brain Res** 1982;46(3):368–76

Orientation sensitivity of cat LGN neurones with and without inputs from visual cortical areas 17 and 18. Vidyasagar TR, et al. **Exp Brain Res** 1982;46(2):157–69

Recovery of function after brain damage: the question of individual behaviors of functionality. Davis N, et al. **Exp Neurol** 1982 Jan;75(1):68–78

Topography of the hyperstriatal visual projection area in the young domestic chicken. Denton CJ. **Exp Neurol** 1981 Nov;74(2):482–98

Effect of stimulation of visual cortex on limbic and diencephalic neurons. Gonzalez-Lima F, et al. **Exp Neurol** 1982 Jul;77(1):26–38

Effects of stimulus location and pattern upon the visually evoked cortical potential and the electroretinogram. Armington JC, et al. **Int J Neurosci** 1981;14(3–4):169–78

Receptive field properties of V3 neurons in monkey. Baizer JS. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):87–95

Neurons in cat visual cortex tuned to the direction of motion in depth: effect of stimulus speed. Regan D, et al. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):535–50

Development of binocular depth perception in kittens. Timney B. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):493–6

Pattern evoked potentials in awake rhesus monkeys. van der Marel H, et al. **Invest Ophthalmol Vis Sci** 1981 Sep; 21(3):457–66

The afferent and efferent organization of the lateral geniculo-prestriate pathways in the macaque monkey. Benevento LA, et al. **J Comp Neurol** 1981 Dec 10; 203(3):455–74

Observations on the organization of the visual cortex in the reeler mouse. Dräger UC. **J Comp Neurol** 1981 Oct 1; 201(4):555–70

Visual topography of V2 in the macaque. Gattass R, et al. **J Comp Neurol** 1981 Oct 1;201(4):519–39

The organization of binocular cortex in the primary visual area of the rabbit. Hughes A, et al. **J Comp Neurol** 1982 Jan 10;204(2):151–64

Topography and cortical projections of morphologically identified neurons in the visual thalamus of the cat. Meyer G, et al. **J Comp Neurol** 1981 Sep 20;201(3):353–74

Behavioral effects of early rearing conditions and neonatal lesions of the visual cortex in kittens. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Dec;95(6):848–62

Receptive-field transformations between LGN neurons and S-cells of cat-striate cortex. Bullier J, et al. **J Neurophysiol** 1982 Mar;47(3):417–38

Spectral bandwidths of color-opponent cells of geniculocortical pathway of macaque monkeys. de Monasterio FM, et al. **J Neurophysiol** 1982 Feb; 47(2):214–24

Brief periods of monocular deprivation in kittens: effects of delay prior to physiological study. Freeman RD, et al. **J Neurophysiol** 1982 Feb;47(2):139–50

Behavioral enhancement of visual responses in monkey cerebral cortex. II. Modulation in frontal eye fields specifically related to saccades. Goldberg ME, et al. **J Neurophysiol** 1981 Oct;46(4):773–87

Effects of visual cortical lesions on receptive-field properties of single units in superior colliculus of the rabbit. Graham J, et al. **J Neurophysiol** 1982 Feb;47(2):272–86

Response of Visual Cortical Neurons of the cat to moving sinusoidal gratings: response-contrast functions and spatiotemporal interactions. Holub RA, et al. **J Neurophysiol** 1981 Dec;46(6):1244–59

Binocular interaction on monocularly discharged lateral geniculate and striate neurons in the cat. Kato H, et al. **J Neurophysiol** 1981 Nov;46(5):932–51

Luminance coding of briefly presented stimuli in area 17 of the rhesus monkey. Maguire WM, et al. **J Neurophysiol** 1982 Jan;47(1):128–37

Response properties of single cells in monkey striate cortex during reversible inactivation of individual lateral geniculate laminae. Malpeli JG, et al. **J Neurophysiol** 1981 Nov;46(5):1102–19

role of primary visual cortex in canine postural control. Mirka A, et al. **J Neurophysiol** 1981 Nov;46(5):987–1003

Comparison of response of properties of three types of monosynaptic S-cell in cat striate cortex. Mustari MJ, et al. **J Neurophysiol** 1982 Mar;47(3):439–54

Is there a high concentration of color-selective cells in area V4 of monkey visual cortex? Schein SJ, et al. **J Neurophysiol** 1982 Feb;47(2):193–213

Theory for the development of neuron selectivity: orientation specificity and binocular interaction in visual cortex. Bienenstock EL, et al. **J Neurosci** 1982 Jan;2(1):32–48

Modulation of lateral geniculate nucleus cell responsiveness by visual activation of the corticogeniculate pathway. Marrocco RT, et al. **J Neurosci** 1982 Feb;2(2):256–63

Striate cortex responses to periodic patterns with and without the fundamental harmonics. Albrecht DG, et al. **J Physiol (Lond)** 1981;319:497–514

Correlation between the preferred orientation and spatial frequency of neurones in visual areas 17 and 18 of the cat. Berardi N, et al. **J Physiol (Lond)** 1982 Feb;323:603–18

The relationship between response amplitude and contrast for cat striate cortical neurones. Dean AF. **J Physiol (Lond)** 1981 Sep;318:413–27

The development of spatial-frequency selectivity in kitten striate cortex. Derrington AM, et al. **J Physiol (Lond)** 1981 Jul;316:1–10

Modulatory influences of moving textured backgrounds on responsiveness of simple cells in feline striate cortex. Hammond P, et al. **J Physiol (Lond)** 1981;319:431–42

Mechanisms of static and dynamic stereopsis in foveal cortex of the rhesus monkey. Poggio GF, et al. **J Physiol (Lond)** 1981 Jun;315:469–92

Evidence for long-term functional plasticity in the visual cortex of adult cats. Singer W, et al. **J Physiol (Lond)** 1982 Mar;324:239–48

Contrast gain control in the cat visual cortex. Ohzawa I, et al. **Nature** 1982 Jul 15;298(5871):266–8

Life-span alterations in visually evoked potentials and inhibitory function. Dustman RE, et al. **Neurobiol Aging** 1981 Fall;2(3):187–92

Cortical mechanisms involved in praxis: observations following partial and complete section of the corpus callosum in man. Volpe BT, et al. **Neurology (NY)** 1982 Jun;32(6):645–50

Multiplexing in single cells of the alert monkeys visual cortex during brightness discrimination. Bridgeman B. **Neuropsychologia** 1982;20(1):33–42

Recovery cycles of visual cortical primary responses during pharmacological and electrical intervention on monoaminergic systems of the rat brain. Vorob'ev VV, et al. **Neurosci Behav Physiol** 1981 Mar-Apr;11(2):129–33

Modifications of presaccadic activation on neurons in the extrastriate cortex during prolonged training of rhesus monkeys in a visuo-oculomotor task. Fischer B, et al. **Neurosci Lett** 1982 May 28;30(2):127–31

Hypertrophy of neurons in dorsal lateral geniculate nucleus following striate cortex lesions in infant monkeys. Hendrickson A, et al. **Neurosci Lett** 1982 Jun 30; 30(3):217–22

Long-term potentiation investigated in a slice preparation of striate cortex of young kittens. Komatsu Y, et al. **Neurosci Lett** 1981 Nov 4;26(3):269–74

Projections of the pulvinar-lateral posterior complex to visual cortical areas in the cat. Symonds LL, et al. **Neuroscience** 1981;6(10):1995–2020

Size invariance: reply to Schwartz. Cavanagh P. **Perception** 1981;10(4):469–74

Inhibitory circuits accounting for development of visual cortical mappings, stimulus preferences, and psychophysical performance. Dobson VG. **Perception** 1981;10(5):483–510

Recovery from monocular deprivation in the monkey. I. Reversal of physiological effects in the visual cortex. Blakemore C, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24; 213(*193):399–423

On the variety of spatial frequency selectivities shown by neurons in area 17 of the cat. Tolhurst DJ, et al. **Proc R Soc Lond [Biol]** 1981 Oct 14;213(1191):183–99

Spatial frequency selectivity of cells in macaque visual cortex. De Valois RL, et al. **Vision Res** 1982;22(5):545–59

The orientation and direction selectivity of cells in macaque visual cortex. De Valois RL, et al. **Vision Res** 1982; 22(5):531–44

Neurophysiological tracing of a projection from temporal retina to contralateral visual cortex of the cat. Levick WR, et al. **Vision Res** 1981;21(11):1677–9

A spatial frequency dependent grating-induction effect. McCourt ME. **Vision Res** 1982;22(1):119–34

Spatial computation performed by simple and complex cells in the visual cortex of the cat. Pollen DA, et al. **Vision Res** 1982;22(1):101–18

Why the cortical magnification factor in rhesus can not be isotropic. Sakitt B. **Vision Res** 1982;22(3):417–21

Responses of the blue sensitive cone system from the visual cortex and the arterially perfused eye in cat and monkey. Schuurmans RP, et al. **Vision Res** 1981;21(11):1611–5

Responses of Clare-Bishop neurones to three dimensional movement of a light stimulus. Toyama K, et al. **Vision Res** 1982;22(5):571–4

The role of cortico-geniculate projections in the loss of Y-cells in monocularly deprived cats. Zetlan SR, et al. **Vision Res** 1981;21(7):1035–9

[Period of sensitivity of the primary visual cortex of the cat to the unilateral suppression of extraocular proprioceptive afferents] Trotter Y, et al. **C R Seances Acad Sci [III]** 1981 Oct 5;293(4):245–8 (Eng. Abstr.) **(Fre)**

[Effects of a cortical after-discharge on lateral geniculate neurones. Electrophysiological study in the chronic cat (author's transl)] Hirsch JC, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Dec;

11(3–4):297–308 (Eng. Abstr.) (Fre)
[Influence of freely moved fixation in the pattern field on VECP amplitudes (author's transl)] Adachi E, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(4):333–6 (Eng. Abstr.) (Jpn)
[Transient pattern reversal VECPs in response to sinusoidally and square wave modulated stimuli (author's transl)] Adachi E, et al. **Nippon Ganka Gakkai Zasshi** 1982; 86(3):260–3 (Eng. Abstr.) (Jpn)
[Studies on the VECP of TV pattern reversal: digital analysis of the VECP (author's transl)] Irie J. **Nippon Ganka Gakkai Zasshi** 1981 Jun 10;85(6):502–9 (Eng. Abstr.) (Jpn)
[Clinical studies on pattern reversal VECPs to stimulation of central octant fields (author's transl)] Kakisu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1479–84 (Eng. Abstr.) (Jpn)
[Effect of contrast on binocular VECP (author's transl)] Katsumi O. **Nippon Ganka Gakkai Zasshi** 1982;86(4):341–7 (Eng. Abstr.) (Jpn)
[Iontophoretic application of various neurotransmitters to the cortical neurons in the area 17 of the cat, and their effects on the responses to the monocular and binocular light stimulations (author's transl)] Nemoto R. **Nippon Ganka Gakkai Zasshi** 1982;86(5):489–500 (Eng. Abstr.) (Jpn)
[Effects of diazepam and thiamylal on reticular multi-unit activity, visual evoked responses, EEG and arterial blood pressure in rabbits (author's transl)] Ueda Y. **Nippon Geka Hokan** 1980 Sep 1;49(5):595–607 (Eng. Abstr.) (Jpn)
[Cholinergic nature of hypothalamo-cortical excitatory effects] Kozhechkin SN. **Biull Eksp Biol Med** 1982 May; 93(5):10–2 (Eng. Abstr.) (Rus)
[Reactions of the visual cortex neurons to natural objects in waking rats] Girman SV. **Dokl Akad Nauk SSSR** 1981; 261(1):226–9 (Rus)
[Geometric properties of the retinotopic organization of the lateral geniculate body and visual cortex in the cat] Kuperman AM. **Dokl Akad Nauk SSSR** 1981;259(4):1011–3 (Rus)
[Filter properties of the neuronal receptor fields in the visual cortex] Shelepin IuE. **Dokl Akad Nauk SSSR** 1981; 261(6):1506–9 (Rus)
[Model of a 'complex' receptive field in a visual cortex neuron] Supin AIa. **Dokl Akad Nauk SSSR** 1981; 260(2):505–8 (Rus)
[Spatial-frequency filters with lateral facilitation in the visual cortex. Model of neuronal structure] Dudkin KN, et al. **Fiziol Zh SSSR** 1981 May;67(5):637–44 (Eng. Abstr.) (Rus)
[Neurophysiological correlates of visual perception] Glezer VD. **Fiziol Zh SSSR** 1982 Feb;68(2):220–8 (Eng. Abstr.) (Rus)
[Electrophysiologic study of the projection of the anterior pretectal nucleus to the neocortex in the rat] Lukanidina VE. **Fiziol Zh SSSR** 1981 Jul;67(7):992–1000 (Eng. Abstr.) (Rus)
[Bioelectrical activity of the visual cortex and electroretinogram in rabbits during extreme photic stimulation of different lateralization] Zubilov IuN. **Fiziol Zh SSSR** 1981 Oct;67(10):1458–62 (Rus)
[Structure of the simple receptive field of the cat visual cortex] Glezer VD, et al. **Neirofiziologiia** 1981;13(4):339–44 (Eng. Abstr.) (Rus)
[Structure of the complex receptive field of the visual cortex in the cat] Glezer VD, et al. **Neirofiziologiia** 1982; 14(1):19–25 (Eng. Abstr.) (Rus)
[Changes in the reactivity of visual cortex neurons after local photic stimulation of their receptive fields] Lazareva NA. **Neirofiziologiia** 1981;13(3):233–40 (Eng. Abstr.) (Rus)
[Temporal signal summation by at visual cortex neurons] Novikova RV. **Neirofiziologiia** 1981;13(4):345–51 (Eng. Abstr.) (Rus)
[Cortical control of afferent flow in the lateral geniculate body in the cat] Shaban VM. **Neirofiziologiia** 1981; 13(6):563–70 (Eng. Abstr.) (Rus)
[Dynamics of orientational tuning of visual cortex neurons in the cat] Shevelev IA, et al. **Neirofiziologiia** 1981; 13(5):451–9 (Eng. Abstr.) (Rus)
[Focal evoked potentials in the rabbit visual cortex: density analysis of current sources] Supin AIa. **Neirofiziologiia** 1981;13(5):474–81 (Eng. Abstr.) (Rus)
[Activity of visual and motor cortex neurons during performance of a behavioral act with open and closed eyes] Aleksandrov IuI, et al. **Zh Vyssh Nerv Deiat** 1981 Nov–Dec;31(6):1179–89 (Eng. Abstr.) (Rus)
[Constancy of the composition of activated neurons when the parameters of purposeful movement are changed] Aleksandrov IuI. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr; 32(2):333–6 (Rus)
[Spike activity of cortical neurons in 2 different types of instrumental behavior in the rabbit] Bobrovnikov LV. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):340–3 (Rus)
[Visual cortex evoked potentials in the inhibitory and active phases of a delayed conditioned reflex in cats] Dorokhov VB, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):855–8 (Rus)
[Effect of functional cold exclusion of the temporal areas of the neocortex on spike activity of visual cortex neurons] Dulinets VV. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb; 32(1):173–4 (Rus)
[Changes in the configuration of primary responses of the visual cortex upon increasing the intensity of background acoustic stimuli over threshold values] Filimonov VK, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):852–4 (Rus)
[Dynamics of changes in cortical evoked potentials during formation of a motor dominant in rabbits] Kalinin PI. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):863–5 (Rus)
[Nature of the interneuronal connections of the visual and sensomotor cortex in different functional states of the animal] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):637–9 (Rus)
[Statistical analysis of interneuronal functional connections during conditioned reflex elaboration] Merzhanova GKh, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):950–9 (Eng. Abstr.) (Rus)
[Plastic changes in responses of chemo- and electro-excitable membranes of a cortical neurons following orthodromal tetanization] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):789–802 (Eng. Abstr.) (Rus)
[Post-tetanic changes in the excitation threshold of the excitable membrane of a cortical neuron by a depolarizing current] Pivovarov AS, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct;31(5):1063–70 (Eng. Abstr.) (Rus)
[Cooperative activity of adjacent visual cortex neurons in alert cats] Rapoport SSh, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):812–8 (Eng. Abstr.) (Rus)
[Interaction of specific and nonspecific afferentation as a basis for neuronal integration upon completion of temporary connections] Shul'gina GI, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):531–40 (Eng. Abstr.) (Rus)
[Reorganization of visual cortex neuronal spike flow in the cat with different delays in reinforcement] Volkov VF. **Zh Vyssh Nerv Deiat** 1982 May–Jun;32(3):556–9 (Rus)
[Correlation between EEG driving responses and defensive conditioned reflex dynamics in the rabbit] Vorob'ev VV, et al. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):330–2 (Rus)

PHYSIOPATHOLOGY

Anticonvulsant properties of two new 3,3-diethyl-2,4-pyridinedione derivatives. II. Effects on two experimental models of cortical focal epilepsy in cats. Dimov S, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(2):53–60
Huntington's disease: alterations of visual and somatosensory cortical evoked potentials in patients and offspring. Oepen G, et al. **Adv Neurol** 1982;32:141–7
Steady-state and transient visual evoked potentials in clinical practice. Celesia GG. **Ann NY Acad Sci** 1982;388:290–307
The laminar sensitivity of cat striate cortex to penicillin induced epileptogenesis. Chatt AB, et al. **Brain Res** 1982 Jun 10;241(2):382–7
Cortical binocularity is disrupted by strabismus more slowly than by monocular deprivation. Freeman RD, et al. **Brain Res** 1982 Feb;255(2):311–6
LASCER Bode plots for normal, amblyopic, and stereoanomalous observers. Barris MC, et al. **Doc Ophthalmol** 1981 Nov;51(4):347–63
Interhemispheric differences in photosensitive epilepsy. II. Intermittent photic stimulation. Binnie CD, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov; 52(5):469–72
Spectral analysis of visual potentials evoked by sine wave modulated light in migraine. Nyrke T, et al. **Electroencephalogr Clin Neurophysiol** 1982 Apr; 53(4):436–42
Interhemispheric differences in photosensitive epilepsy. I. Pattern sensitivity thresholds. Wilkins AJ, et al. **Electroencephalogr Clin Neurophysiol** 1981 Nov;52(5):461–8
Relationship between amblyopia, LGN cell 'shrinkage' and cortical ocular dominance in cats. Tremain KE, et al. **Exp Brain Res** 1982;45(1–2):243–52
Kindling in sensory systems: neocortex. Cain DP. **Exp Neurol** 1982 May;76(2):276–83
Amblyopia and cortical binocularity. Ikeda H, et al. **Trans Ophthalmol Soc UK** 1980;100(4):450–2

RADIOGRAPHY

[Correlation of infarctions of the visual cortex with homonymous visual field defects. A computer tomographic study (author's transl)] Ostertag CB, et al. **Arch Psychiatr Nervenkr** 1981;230(3):265–74 (Eng. Abstr.) (Ger)

RADIONUCLIDE IMAGING

Demonstration of decreased functional activity of visual cortex by [11 C]methylglucose and positron emission tomography. Heiss WD, et al. **Neuroradiology** 1982; 23(1):45–7

ULTRASTRUCTURE

Changes in size and shape of synaptic connections after visual training: an ultrastructural approach of synaptic plasticity. Vrensen G, et al. **Brain Res** 1981 Aug 10;218(1–2):79–97
Ultrastructure of visual callosal neurons in cat identified by retrograde axonal transport of horseradish peroxidase. Hornung JP, et al. **J Neurocytol** 1981 Apr;10(2):297–314
Bipolar neurons in rat visual cortex: a combined Golgi-electron microscope study. Peters A, et al. **J Neurocytol** 1981 Dec;10(6):921–46
The thalamic projection to cat visual cortex: ultrastructure of neurons identified by Golgi impregnation or retrograde horseradish peroxidase transport. Hornung JP, et al. **Neuroscience** 1981;6(6):1053–68
Long axons within the striate cortex: their distribution, orientation, and patterns of connection. Mitchison G, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3661–5
[Distribution of the fiber endings running from the superior colliculi of the tectum mesencephali into the visual projection zone (field 17) of the cat cerebrum] Zhvaniia MG. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):16–20 (Eng. Abstr.) (Rus)

VISUAL EVOKED RESPONSE see **EVOKED POTENTIALS, VISUAL**

VISUAL FIELDS

see related
PERIMETRY

Bilateral lesion of the occipital lobes. A case study. Course of recovery and neuropsychologic considerations. Striano S, et al. **Acta Neurol (Napoli)** 1981 Oct;36(5):690–4
A feasible development of computerized perimetry. Krakau CE. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):485–94
Asymmetry of the visual evoked potentials of stimuli presented in different halves of the field and in the centre of the field. Gavrilenko T. **Acta Physiol Pharmacol Bulg** 1981;6(3):75–81
Nontarget detectability and interference with parafoveal target identification. Chastain G. **Acta Psychol (Amst)** 1982 Mar;50(2):117–26
Saccadic programming and perceived location. Wong E, et al. **Acta Psychol (Amst)** 1981 Aug;48(1–3):123–31
Glaucomatouslike visual field defects in chronic papilledema. Grehn F, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(2):99–109
Clinical experience with the Fieldmaster perimeter. Bobrow JC, et al. **Am J Ophthalmol** 1982 Feb;93(2):238–41
Crowding of the peripheral nasal isopters in glaucoma. de Oliveira Rassi M, et al. **Am J Ophthalmol** 1982 Jul; 94(1):4–10
Loss in pattern-elicited electroretinograms in optic nerve dysfunction. May JG, et al. **Am J Ophthalmol** 1982 Apr; 93(4):418–22
Effect of myopia on prognosis in treated primary open-angle glaucoma. Phelps CD. **Am J Ophthalmol** 1982 May; 93(5):622–8
A visual field screening protocol for glaucoma. Rabin S, et al. **Am J Ophthalmol** 1981 Oct;92(4):630–5
The relationship between visual acuity, pupillary defect, and visual field loss. Thompson HS, et al. **Am J Ophthalmol** 1982 Jun;93(6):681–8
A clinical comparison of the Friedmann visual field analyser and tangent screen perimetry. Gutteridge IF. **Am J Optom Physiol Opt** 1982 Feb;59(2):184–94
A case of an irregular altitudinal field defect associated with a traumatic choroidal rupture. Jones WL. **Am J Optom Physiol Opt** 1981 Dec;58(12):1134–7
The effects of visual field changes and ocular hypertension on the visual evoked potential. Bartl G. **Ann NY Acad Sci** 1982;388:227–42
Visual evoked responses and retinal eccentricity. Celesia GG, et al. **Ann NY Acad Sci** 1982;388:648–50
Chronotopographical analysis of the human evoked potential in relation to the visual field (data from normal individuals and hemianopic patients). Lesevre N. **Ann NY Acad Sci** 1982;388:156–82
Effect of frontal-eye-field lesion on eye-head coordination in squirrel monkeys. O-Uchi T, et al. **Ann NY Acad Sci** 1981;374:656–73
Properties of localized pattern evoked potentials. Tyler CW, et al. **Ann NY Acad Sci** 1982;388:662–70
Impaired hue discrimination in homonymous visual fields. Henderson VW. **Arch Neurol** 1982 Jul;39(7):418–9
Further evaluation of an apparent failure of the photoreceptor alignment mechanism in a human observer. Enoch JM, et al. **Arch Ophthalmol** 1982 Aug;100(8):1280–1
Computer-generated display for three-dimensional static perimetry. Hart WM Jr, et al. **Arch Ophthalmol** 1982 Feb; 100(2):312–8
Features of the optic disc in preglaucomatous eyes. Motolko M, et al. **Arch Ophthalmol** 1981 Nov;99(11):1992–4
Visual field defects in low-tension glaucoma. Comparison of defects in low-tension glaucoma and chronic open angle glaucoma. Motolko M, et al. **Arch Ophthalmol** 1982 Jul; 100(7):1074–7
Risk factors for rate of progression of glaucomatous visual field loss: a computer-based analysis. Wilson R, et al. **Arch Ophthalmol** 1982 May;100(5):737–41
The role of frontal eye-fields and superior colliculi in visual search and non-visual search in rhesus monkeys. Collin NG, et al. **Behav Brain Res** 1982 Feb;4(2):177–93
Phasic electrodermal responses after visual stimulation in the cortically blind hemifield. Zihl J, et al. **Behav Brain Res** 1980 Apr;1(2):197–203
A model of the early stages of the human visual system: functional and topological transformations performed in the peripheral visual field. Braccini C, et al. **Biol Cybern** 1982;44(1):47–58

Spatio-temporal organization of receptive fields of the cat striate cortex. The receptive fields as the grating filters. Glezer VD, et al. **Biol Cybern** 1982;43(1):35-49

Disc assessment and visual field analysis in a hospital glaucoma population. Beck M, et al. **Br J Ophthalmol** 1982 Feb;66(2):99-101

Temporal visual field defects associated with nasal hypoplasia of the optic disc. Buchanan TA, et al. **Br J Ophthalmol** 1981 Sep;65(9):636-40

Vowel processing in the left and right visual fields. Salmaso D, et al. **Brain Lang** 1982 May;16(1):147-57

Basic determinants in visual-field effects with special reference to the Hannay et al. (1981) study. Sergent J. **Brain Lang** 1982 May;16(1):158-64

The critical period for alteration in cortical binocularity resulting from divergent and convergent strabismus. Berman N, et al. **Brain Res** 1981 Sep;254(2):181-202

Intracortical evoked potentials of cats elicited by punctate visual stimuli in receptive field peripheries. Ebersole JS, et al. **Brain Res** 1981 Nov 9;224(1):160-4

Inversion of direction-selectivity to anterior fields in neurons of nucleus of the optic tract in rabbits with ocular albinism. Winterson BJ, et al. **Brain Res** 1981 Sep 7;220(1):31-49

Increased visual field area with antireflective coated lenses in the presence of glare. Kirkham TH, et al. **Can J Ophthalmol** 1981 Jul;16(3):141-4

Lack of generalized constriction of affected visual field in glaucoma patients with visual field defects in one eye. Werner EB, et al. **Can J Ophthalmol** 1982 Apr;17(2):53-5

Visual field area on the Goldmann hemispheric perimeter surface. Correction of cartographic errors inherent in perimetry. Kirkham TH, et al. **Curr Eye Res** 1981;1(2):93-9

Modification of the Friedmann visual field analyser (model I) to cover 104 points of measurement. Verduin WM, et al. **Doc Ophthalmol** 1982 Jan 29;52(3-4):429-33

Hemi-field pattern reversal visual evoked potentials. II. Lesions of the chiasm and posterior visual pathways. Haimovic IC, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):121-31

Pattern-reversal visual evoked potentials and retinal eccentricity. Meredith JT, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):243-53

Mapping studies of the tectal representation of the frog binocular visual field. A problem of methodology. Gaillard F, et al. **Exp Brain Res** 1981;44(2):187-94

Foveal inhibition and facilitation caused by remote grating jerks: interaction between long-range and short-range effects. Valberg A, et al. **Exp Brain Res** 1982;46(1):89-98

Single unit receptive fields in rabbit primary binocular cortex. Vaney DI, et al. **Exp Brain Res** 1982;46(2):257-62

Visuotopic organization of the superior colliculus of the opossum. Volchan E, et al. **Exp Brain Res** 1982;46(2):263-8

Biometric study of the disc cup in open-angle glaucoma. Betz P, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(2):70-4

Surface distribution of steady-state cortical potentials evoked by visual half-field stimulation. Yanashima K. **Graefes Arch Clin Exp Ophthalmol** 1982;218(3):118-23

Dipole localization of average and single visual evoked potentials. Sencaj RW, et al. **IEEE Trans Biomed Eng** 1982 Jan;29(1):26-33

Adenwala oration. 'The effect of cup disc ratio on intraocular pressure and visual field in diagnosing pre-glaucomatous condition'. Avasthi P. **Indian J Ophthalmol** 1981 OCT; 29(3):137-45

Use of Fieldmaster automated perimeter for the detection of early visual field changes in glaucoma. Hong C, et al. **Int Ophthalmol** 1982 Feb;4(3):151-7

Fusional response to extrafoveal stimulation. Kertesz AE, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):600-5

Inferior altitudinal losses and prismatic correction. Hoffman L, et al. **J Am Optom Assoc** 1981 Oct;52(10):818-20

Mapping the visual field in mental imagery. Finke RA, et al. **J Exp Psychol [Gen]** 1981 Dec;110(4):501-17

Area and contrast effects upon perceptual and imagery acuity. Finke RA, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):825-32

Retinal location and its effect on the processing of target and distractor information. Goolkasian P. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1247-57

Experimenter naiveté and imaginal judgments. Intons-Peterson MJ, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):833-43

Age differences in peripheral letter perception. Taylor HG. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):106-12

Saccadic eye movements to peripherally discriminated visual targets. Viviani P, et al. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):113-26

Exponent of the latency of brightness power functions in the fovea and periphery of the visual field. Osaka N. **J Gen Psychol** 1982 Apr;106(Second Half):195-203

Attention in schizophrenia. Signal detection in the visual periphery. Cegalis JA, et al. **J Nerv Ment Dis** 1981 Dec; 169(12):751-60

Visual evoked potential diagnosis of field defects in patients with chiasmatic and retrochiasmatic lesions. Onofrj M, et al. **J Neurol Neurosurg Psychiatry** 1982 Apr;45(4):294-302

Behavioral enhancement of visual responses in monkey cerebral cortex. II. Modulation in frontal eye fields specifically related to saccades. Goldberg ME, et al. **J Neurophysiol** 1981 Oct;46(4):773-87

A white-noise analysis of responses and receptive fields of catfish cones. Lasater EM. **J Neurophysiol** 1982 Jun; 47(6):1057-68

Laminar organization of receptive-field properties in lateral geniculate nucleus of bush baby (Galago crassicaudatus). Norton TT, et al. **J Neurophysiol** 1982 Apr;47(4):715-41

The visual claustrum of the cat. II. The visual field map. LeVay S, et al. **J Neurosci** 1981 Sep;1(9):981-92

The visual claustrum of the cat. III. Receptive field properties. Sherk H, et al. **J Neurosci** 1981 Sep; 1(9):993-1002

Visibility of borders: separate and combined effects of color differences, luminance contrast, and luminance level. Frome FS, et al. **J Opt Soc Am** 1981 Feb;71(2):145-50

New instrument for monitoring eye fixation and pupil size during the visual field examination. Charlier JR, et al. **Med Biol Eng Comput** 1982 Jan;20(1):23-8

Evoked potentials in the evaluation of visual field defects due to chiasmal or retrochiasmal lesions. Maitland CG, et al. **Neurology (NY)** 1982 Sep;32(9):986-91

Hemispace-VHF compatibility. Bowers D, et al. **Neuropsychologia** 1981;19(6):757-65

Hemispheric asymmetry for face recognition: some effects of visual masking, hemiretinal stimulation and learning task. Proudfoot RE. **Neuropsychologia** 1982;20(2):129-44

Effects of progressively longer durations of monocular deprivation on development of visuocortical receptive fields in the rabbit. Crabtree JW, et al. **Neurosci Lett** 1981 Oct;26(1):61-5

Average responses evoked by moving grating pattern in the upper, central and lower visual field. Kimura H, et al. **Neurosci Lett** 1981 Jul 17;24(3):295-9

Receptive field properties of neurons in the visual cortex of the rat. Parnavelas JG, et al. **Neurosci Lett** 1981 Dec 23;27(3):291-6

The minimum angle of resolution vs angle of regard function as measured with different targets. Genter CR 2d, et al. **Ophthalmic Physiol Opt** 1981;1(1):3-12 (46 ref.)

Progressive low-tension glaucoma: treatment to stop glaucomatous cupping and field loss when these progress despite normal intraocular pressure. Abedin S, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):1-6

Midline versus eccentric pattern perception with acuity equated. Gleisner D, et al. **Percept Mot Skills** 1982 Feb; 54(1):103-9

Central and peripheral visual choice-reaction time under conditions of induced cortical hyperthermia. Hancock PA, et al. **Percept Mot Skills** 1982 Apr;54(2):395-402

Developmental changes in letter recognition as affected by parafoveal noise. Hatae TI, et al. **Percept Mot Skills** 1982 Jun;54(3):888-90

Effect of retinal location on cone critical flicker frequency. Montvilo RK, et al. **Percept Mot Skills** 1981 Dec; 53(3):947-57

Visual field sensitivity on a two-choice discrimination task. Salmon P, et al. **Percept Mot Skills** 1981 Aug;53(1):91-100

Processing of alphabetic information presented in the fovea or the periphery: functional visual field and cognitive load. Williams LJ, et al. **Perception** 1982;10(6):645-50

Feature mislocalizations and misjudgments of intercharacter distance. Chastain G. **Psychol Res** 1982;44(1):51-65

Functionally lateralised information processing and its allocation to response: inferences from three measures of letter identification performance following lateralised visual input. Haun F. **Q J Exp Psychol [A]** 1981 Aug;33(Pt 3):275-94

Aperture viewing: a review and a synthesis. Morgan MJ, et al. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):211-33

Visual field topography and binocular responces in frog's nucleus isthmi. Wang SR, et al. **Sci Sin** 1981 Sep; 24(9):1292-301

Dependence of reaction time on visual fields in patients with unilateral hemispheric lesions. Isagoda A, et al. **Tohoku J Exp Med** 1981 Jul;134(3):295-9

Tectal processing of visual signals from the caudalmost part of the frog visual field. Gaillard F. **Vision Res** 1982; 22(3):347-51

Visuomotor perimetry in fish: a new approach to the functional analysis of altered visual pathways. Northmore DP, et al. **Vision Res** 1981;21(6):843-53

The influence of field size upon the spatial frequency response of optokinetic nystagmus. Schor C, et al. **Vision Res** 1981; 21(7):985-94

Binocular interaction in the peripheral visual field of humans with strabismic and anisometropic amblyopia. Sireteanu R, et al. **Vision Res** 1981;21(7):1065-74

The pigeon's distant visual acuity as a function of viewing angle. Uhlrich DJ, et al. **Vision Res** 1982;22(4):429-31

The spatial grain of the perifoveal visual field. Westheimer G. **Vision Res** 1982;22(1):157-62

[Panretinal laser photocoagulation and visual fields] Martenet AC, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:111-4 **(Fre)**

[Presentation of an automated system of analysis of the central visual field] Béchetoille A, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):491-3 (Eng. Abstr.) **(Fre)**

[Five years comparison between static circular perimetry and kinetic perimetry] Chagnon AM, et al. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):193-5 (Eng. Abstr.) **(Fre)**

[Anterior and posterior acute ischemic optic neuropathy related to poly-arteritis nodosa (author's transl)] Saraux H, et al. **J Fr Ophtalmol** 1982;5(1):55-61 (Eng. Abstr.) **(Fre)**

[Visual evoked responses with flash pattern in normal subjects (author's transl)] Samson-Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Nov; 11(2):196-203 (Eng. Abstr.) **(Fre)**

[Correlation of infarctions of the visual cortex with homonymous visual field defects. A computer tomographic study (author's transl)] Ostertag CB, et al. **Arch Psychiatr Nervenkr** 1981;230(3):265-74 (Eng. Abstr.) **(Ger)**

[Perimetry of early glaucomatous visual fields defects. Comparative controlled study using the Goldman and Octopus perimeter] Krieglstein GK, et al. **Buch Augenarzt** 1982;90:23-33 (Eng. Abstr.) **(Ger)**

[Sensitivity of the computer perimeter Competer in early glaucomatous loss of visual field. A controlled study] Gramer E, et al. **Klin Monatsbl Augenheilkd** 1982 Mar; 180(3):203-9 (Eng. Abstr.) **(Ger)**

[Multifocal ischemic lesions of the visual pathways (author's transl)] Gruber H. **Klin Monatsbl Augenheilkd** 1981 Jul; 179(1):36-7 (Eng. Abstr.) **(Ger)**

[Sydenham's chorea with ocular complication (author's transl)] Mayer H. **Klin Monatsbl Augenheilkd** 1981 Jul; 179(1):41-4 (Eng. Abstr.) **(Ger)**

[Further observations on the application of the campimetric method for measuring individually tolerated intraocular pressure in glaucoma] Wodowosow AM, et al. **Klin Monatsbl Augenheilkd** 1982 Feb;180(2):135-7 (Eng. Abstr.) **(Ger)**

[Sydenham's chorea with ocular complications: case report (author's transl)] Mayer H. **Nervenarzt** 1981 Oct; 52(10):596-7 **(Ger)**

[Computer perimetry of glaucomatous visual field defects at different stimulus sizes (author's transl)] Gramer E, et al. **Ophthalmologica** 1981;183(3):162-7 (Eng. Abstr.) **(Ger)**

[Vertical discrimination in a pure strain of mice (DBA). I] Grimaldi A, et al. **Boll Soc Ital Biol Sper** 1981 May 15; 57(9):1010-6 (Eng. Abstr.) **(Ita)**

[A new perimetric technic for testing visual deficits in the cat] Matelli M, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):999-1003 (Eng. Abstr.) **(Ita)**

[Neurological deficits after section of the intertectal commissure in the cat] Matelli M, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1004-9 (Eng. Abstr.) **(Ita)**

[Inclination of the visual field and postural deviations induced in CD1 mice. 2] Violani C, et al. **Boll Soc Ital Biol Sper** 1981 May 15;57(9):1017-23 (Eng. Abstr.) **(Ita)**

[Clinical studies on pattern reversal VECPs to stimulation of central octant fields (author's transl)] Kakisu Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1479-84 (Eng. Abstr.) **(Jpn)**

[Effects of panretinal photocoagulation on the retina - the first report: effects especially in the visual field (author's transl)] Suzuki R, et al. **Nippon Ganka Gakkai Zasshi** 1981 Aug 10;85(8):1020-7 (Eng. Abstr.) **(Jpn)**

[Effects of the unilateral cerebral activation by nonverbal loading on stimulus detection in each visual field (author's transl)] Kawai M. **Shinrigaku Kenkyu** 1981 Oct;52(4):240-3 (Eng. Abstr.) **(Jpn)**

[Diagnostic and differential diagnostic significance of early changes in the field of vision and ocular hydrodynamics in preglaucoma] Astapova NN. **Oftalmol Zh** 1981; 36(8):479-83 (Eng. Abstr.) **(Rus)**

[Age and changes in the peripheral limits of the relative field of vision and the height of the orbital margin] Novokhatskii AS. **Oftalmol Zh** 1981;36(8):474-6 (Eng. Abstr.) **(Rus)**

[Effectiveness of using a simplified method for the combined water-dark campimetric test] Ustinova EI, et al. **Oftalmol Zh** 1982;37(1):41-4 (Eng. Abstr.) **(Rus)**

[Methods of detecting early disturbances in the visual field in open-angle glaucoma] Babaian AA, et al. **Vestn Oftalmol** 1982 Jan-Feb;(1):9-11 (Eng. Abstr.) **(Rus)**

[Initial changes in the optic disk and central visual field in open-angle glaucoma] Kozlova LP, et al. **Vestn Oftalmol** 1982 May-Jun;(3):6-8 (Eng. Abstr.) **(Rus)**

[An attempt to objectify depression in involution (author's transl)] Medvecký J, et al. **Cesk Psychiatr** 1981;77(4):241-4 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Distalgesic and ethanol-impaired function [letter] Edwards C, et al. **Lancet** 1982 Aug 14;2(8294):384

Bromocriptine for visual field defects in prolactinomas. Mustaffa Embong, et al. **Med J Malaysia** 1981 Mar; 36(1):29-36

Acetylcholine may be an excitatory transmitter mediating visual excitation of 'transient' cells with the periphery effect in the cat retina: iontophoretic studies in vivo. Ikeda H, et al. **Neuroscience** 1982 May;7(5):1299-308

VISUAL PATHWAYS

Congenital tumours of the anterior visual system with dysplasia of the optic discs. Taylor D.

Br J Ophthalmol 1982 Jul;66(7):455–63

Pattern evoked cortical potentials and compressive lesions along the visual pathways. van Lith GH, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):347–53

Subtle disturbances of vision with compressive lesions of the anterior visual pathway measured by contrast sensitivity. Kupersmith MJ, et al. **Ophthalmology (Rochester)** 1982 Jan; 89(1):68–72

The Marcus Gunn pupil in experimental tract lesions. O'Connor PS, et al. **Ophthalmology (Rochester)** 1982 Feb; 89(2):160–4

ABNORMALITIES

Sensitivity deficits consistent with aberrant crossed visual pathways in human albinos. St. John R, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):873–7

ANALYSIS

[Serotonin concentration and tryptophan–5–hydroxylase activity in the visual system of the rat brain during ontogeny] Uzbekov MG. **Ontogenez** 1981;12(1):58–65 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Organization of the avian accessory optic system. Brecha NC, et al. **Ann NY Acad Sci** 1981;374:215–29

Toward a neuroethology of mammalian vision: ecology and anatomy of rodent visuomotor behavior. Finlay BL, et al. **Behav Brain Res** 1981 Sep;3(2):133–49

Cultured embryonic retinae transplanted to rat brain: differentiation and formation of projections to host superior colliculus. McLoon LK, et al. **Brain Res** 1981 Dec 7; 226(1–2):15–31

The eye and visual nervous system: anatomy, physiology and toxicology. McCaa CS. **Environ Health Perspect** 1982 Apr; 44:1–8

Organization of afferent input to subdivisions of area 8 in the rhesus monkey. Barbas H, et al. **J Comp Neurol** 1981 Aug 10;200(3):407–31

Retinal projections in the African cichlid fish, Haplochromis burtoni. Fernald RD. **J Comp Neurol** 1982 Apr 20; 206(4):379–89

Connections of the octopus optic lobe: an HRP study. Saidel WM. **J Comp Neurol** 1982 Apr 20;206(4):346–58

Plasticity in a central nervous pathway in xenopus: anatomical changes in the isthmotectal projection after larval eye rotation. Udin SB, et al. **J Comp Neurol** 1981 Dec 20;203(4):575–94

Projections from visual areas of the middle suprasylvian sulcus onto the lateral posterior complex and adjacent thalamic nuclei in cat. Updyke BV. **J Comp Neurol** 1981 Oct 1;201(4):477–506

Direct projection from the dorsal lateral geniculate nucleus to the prestriate cortex in macaque monkeys. Yukie M, et al. **J Comp Neurol** 1981 Sep 1;201(1):81–97

The innervation of a virgin tectum by a double–temporal or a double–nasal eye in Xenopus. Straznicky C, et al. **J Embryol Exp Morphol** 1982 Apr;68:9–21

A quantitative study of the optic system of butterflyfishes (family chaetodontidae). Snow JL, et al. **J Hirnforsch** 1982; 23(2):121–5

An experimental anatomical study on the topographic termination of the optic nerve fibers in the rat. Yamadori T. **J Hirnforsch** 1981;22(3):313–26

[Morphological differentiation in connection with the functional specialization of the mammalian visual system (author's transl)] Schober W. **Z Mikrosk Anat Forsch** 1981; 95(3):395–400 (20 ref.) (Eng. Abstr.) **(Ger)**

[Visual thalamic afferents of field 29 of the limbic cortex in the rat] Akopian EV. **Neirofiziologiia** 1982;14(2):135–9 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

[Multifocal ischemic lesions of the visual pathways (author's transl)] Gruber H. **Klin Monatsbl Augenheilkd** 1981 Jul; 179(1):36–7 (Eng. Abstr.) **(Ger)**

[Parafoveolar scotomas in microinfarcts of the optic pathways (author's transl)] Gruber H. **Klin Monatsbl Augenheilkd** 1982 Mar;180(3):225–6 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Reexamination of decussated fibers at the optic chiasma of rabbits. Chihara E. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(1):28–9

The projection from the lateral geniculate nucleus to the prestriate cortex of the macaque monkey. Fries W. **Proc R Soc Lond [Biol]** 1981 Sep 17;213(1190):73–86

Neural circuitry of the cat retina: cone pathways to ganglion cells. Nelson R, et al. **Vision Res** 1981;21(11):1527–36

[Retrograde transneural degeneration in the visual system: neuromorphological study and problems (author's transl)] Fuentes C, et al. **Z Mikrosk Anat Forsch** 1981;95(6):905–18 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Alterations in the spontaneous activity of cells in the guinea pig pineal gland and visual system produced by pineal indoles. Semm P, et al. **J Neural Transm** 1982;53(4):265–75

[Subjective color desaturation test in the diagnosis of the effects of ethambutol [on the anterior optic tract] Arruga J. **Bull Soc Ophtalmol Fr** 1982 Feb;82(2):189–92 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Development of retinofugal neuropil areas in the brain of the alpine newt, Triturus alpestris. Rettig G, et al. **Anat Embryol (Berl)** 1981;162(2):163–71

Alterations in precision of the crossed retinotectal projection during chick development. McLoon SC. **Science** 1982 Mar 12;215(4538):1418–20

GROWTH & DEVELOPMENT

Postnatal development of the monkey's visual system. Blakemore C, et al. **Ciba Found Symp** 1981;86:152–71

Factors involved in the development of ipsilateral retinothalamic projections in Xenopus laevis. Kennard C. **J Embryol Exp Morphol** 1981 Oct;65:199–217

Formation of the retina–lamina projection of the cockroach: no evidence for neuronal specificity. Nowel MS. **J Embryol Exp Morphol** 1981 Apr;62:241–58

Ommatidium assembly and formation of the retina–lamina projection in interspecific chimeras of cockroach. Nowel MS. **J Embryol Exp Morphol** 1980 Dec;60:345–58

The development of the retinotectal projections from compound eyes in Xenopus. Straznicky C, et al. **J Embryol Exp Morphol** 1981 Apr;62:13–35

Inhibition of axoplasmic transport in the developing visual system of the rat–II, Quantitative analysis of alterations in transport of tritiated proline or fucose. Matthews MA, et al. **Neuroscience** 1982 Feb;7(2):385–404

Recovery from monocular deprivation in the monkey. I. Reversal of physiological effects in the visual cortex. Blakemore C, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24; 213(1193):399–423

Accomodative defocus does not limit development of acuity in infant Macaca nemestrina monkeys. Howland H, et al. **Science** 1982 Mar 12;215(4538):1409–11

METABOLISM

Labelling by axonal transport of myelin–associated proteins in the rabbit visual pathway. Giorgi PP, et al. **Biochem J** 1981 May 15;196(2):537–45

WGA–HRP as a transneuronal marker in the visual pathways of monkey and rat. Itaya SK, et al. **Brain Res** 1982 Mar 18;236(1):199–204

Comparison of axonal transport of cytoplasmic– and particulate–associated tubulin in rat optic system. Goodrum JF, et al. **J Neurochem** 1982 Aug;39(2):443–51

Neurotransmitter receptor ligand binding and enzyme regional distribution in the pigeon visual system. Vischer A, et al. **J Neurochem** 1982 May;38(5):1372–82

Immunocytochemical localization of enkephalin and substance P in retina and eyestalk neurones of lobster. Mancillas JR, et al. **Nature** 1981 Oct 15–21;293(5833):576–8

PATHOLOGY

Computed tomography in patients with homonymous visual field defects—A. Clinico–radiologic correlation. Kattah JC, et al. **Comput Tomogr** 1981 Oct–Dec;5(4):301–12

PHYSIOLOGY

Sensory control of the hypothalamus and the neuroendocrine system. Brooks CM, et al. **Acta Physiol Lat Am** 1980; 30(3):159–70

Evidence for parallel processing in motion perception. Favreau OE. **Acta Psychol (Amst)** 1981 Aug;48(1–3):25–34

Binocular neurons and cyclopean visually evoked potentials in monkey and man. Julesz B, et al. **Ann NY Acad Sci** 1982;388:37–44

Spatial frequency limitations in binocular neurons: visual evoked potential evidence. Nakayama K, et al. **Ann NY Acad Sci** 1982;388:610–4

Parallel pathways in the mammalian visual system. Shapley R. **Ann NY Acad Sci** 1982;388:11–20

Sequential analysis of the visual evoked potential system in man: nonlinear analysis of a sandwich system. Spekreijse H, et al. **Ann NY Acad Sci** 1982;388:72–97

Pseudorandom sequences in the study of evoked potentials. Srebro R, et al. **Ann NY Acad Sci** 1982;388:98–112

Some observations on the functional organization of the golden hamster's visual system. Chalupa LM. **Behav Brain Res** 1981 Sep;3(2):189–200

Visual pathways and acuity hooded rats. Dean P. **Behav Brain Res** 1981 Sep;3(2):239–71

Interactions between components of the avian visual system. Hodos W, et al. **Behav Brain Res** 1982 Jun;5(2):157–73

Organization of the rodent superior colliculus: some comparisons with other mammals. Stein BE. **Behav Brain Res** 1981 Sep;3(2):175–88

Phasic electrodermal responses after visual stimulation in the cortically blind hemifield. Zihl J, et al. **Behav Brain Res** 1980 Apr;1(2):197–203

Effect of boundaries on the response of a neural network. Sirovich L, et al. **Biophys J** 1979 Dec;28(3):423–45

Electrical signs of an oligosynaptic visual projection to the rat hippocampus. Vastola EF. **Brain Behav Evol** 1982; 20(1–2):1–18

The hemispheric dominance of cortical cells in the absence of direct visual pathways. Yinon U, et al. **Brain Res** 1982 Jan 28;232(1):187–90

Pattern evoked potentials in phenylketonuria. Creel D, et al. **Electroencephalogr Clin Neurophysiol** 1982 Feb; 53(2):220–3

Hemi–field pattern reversal visual evoked potentials. I. Normal subjects. Haimovic IC, et al. **Electroencephalogr Clin Neurophysiol** 1982 Aug; 54(2):111–20

Laminar differences in development of afferent innervation to striate cortex neurones in kittens. Tsumoto T, et al. **Exp Brain Res** 1982;45(3):433–46

Visual evoked potentials in hypnosis: a longitudinal approach. Zakrzewski K, et al. **Int J Clin Exp Hypn** 1981 Jan; 29(1):77–86

The tectopontine projection the the rat with comments on visual pathways to the basilar pons. Burne RA, et al. **J Comp Neurol** 1981 Oct 20;202(2):287–307

Specific and nonspecific changes in visual evoked potentials during eyelid conditioning in the rabbit (Oryctolagus cuniculus). Walley RE. **J Comp Physiol Psychol** 1982 Feb; 96(1):12–25

Effects of antibodies to large ganglion cells on the cat's retinogeniculate pathway. Spear PD, et al. **J Neurophysiol** 1982 Jun;47(6):1174–95

Compound eyes project stripes on the optic tectum in Xenopus. Fawcett JW, et al. **Nature** 1982 Mar 25; 296(5855):350–1

Visual properties of cells in anterior dorsal ventricular ridge of turtle. Dünser KR, et al. **Neurosci Lett** 1981 Sep 25; 25(3):281–5

Comparative commissure function: interocular transfer of successive visual discriminations in cats. Francis A, et al. **Physiol Behav** 1982 Feb;28(2):295–9

Interocular transfer in albino rats as a function of forebrain or forebrain plus midbrain commissurotomy. Hottman TJ, et al. **Physiol Behav** 1981 Aug;27(2):279–85

Glucose metabolism increases in visual pathways following habituation. Toga AW, et al. **Physiol Behav** 1981 Nov; 27(5):825–34

Organization of visual pathways in normal and visually deprived cats. Sherman SM, et al. **Physiol Rev** 1982 Apr; 62(2):738–855 (408 ref.)

Recovery from monocular deprivation in the monkey. II. Reversal of morphological effects in the lateral geniculate nucleus. Garey LJ, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24;213(1193):425–33

The functional role of the corpus callosum in the developing visual system: a review. Elberger AJ. **Prog Neurobiol** 1982; 18(1):15–79

Abnormal development of kitten retino–geniculate connectivity in the absence of action potentials. Archer SM, et al. **Science** 1982 Aug 20;217(4561):743–5

Efficiency of human visual signal discrimination. Burgess AE, et al. **Science** 1981 Oct 2;214(4516):93–4

Physiological and morphological studies of signal pathways in the carp retina. Kaneko A, et al. **Vision Res** 1981; 21(11):1519–26

Neurophysiological tracing of a projection from temporal retina to contralateral visual cortex of the cat. Levick WR, et al. **Vision Res** 1981;21(11):1677–9

[Influence of visual telencephalon (wulst) on directional selective neurons of pigeon's optic tectum (author's transl)] Leresche N, et al. **C R Seances Acad Sci [III]** 1982 May 3;294(16):833–6 (Eng. Abstr.) **(Fre)**

[Functional organization of optic pathways] Zanen A. **J Fr Ophtalmol** 1981;4(4):325–40 **(Fre)**

[Neurobiological principles of binocular space perception. Historical review on the development of the concept and knowledge] Milos G, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1982; 130(1):39–67 (Eng. Abstr.) **(Ger)**

[Spectral sensitivity of human visual pathway and its clinical application. Part I. Increment–threshold spectral sensitivity of the normal subjects (author's transl)] Nakai Y. **Nippon Ganka Gakkai Zasshi** 1982;86(2):197–202 (Eng. Abstr.) **(Jpn)**

[Description of neuron ensembles in terms of the theory of fuzzy sets] Choraian OG. **Biofizika** 1981 Sep–Oct; 26(5):876–8 **(Rus)**

[Visual evoked potentials of nestlings exposed to natural signals of different biological qualities] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):643–6 **(Rus)**

[Visual evoked potentials of fledglings to ecologically significant stimuli] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):829–38 (Eng. Abstr.) **(Rus)**

[Coordination of processes in the hierarchical structure of the visual analyzer] Val'tsev BV. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):598–604 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The pattern–evoked potential in lesions of the posterior visual pathways. Blumhardt LD, et al. **Ann NY Acad Sci** 1982; 388:264–89

The ERG in response to alternating gratings in patients with diseases of the peripheral visual pathway. Fiorentini A, et al. **Invest Ophthalmol Vis Sci** 1981 Sep;21(3):490–3

Neuropsychological studies of object recognition. Warrington EK. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25;298(1089):15–33

Oculomotor reaction time in dementia reflects degree of cerebral dysfunction. Pirozzolo FJ, et al. **Science** 1981 Oct

16;214(4518):349–51
[Spectral sensitivity of human visual pathway and its clinical application. Part 2. Increment-threshold spectral sensitivity of the eyes with retinal detachment (author's transl)] Nakai Y. **Nippon Ganka Gakkai Zasshi** 1982;86(2):203–10 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

[Findings of axial and vertical computer tomography in changes in the intracranial visual pathways] Geissendörfer T, et al. **Buch Augenarzt** 1982;90:192–3 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Long-term survival of centrally projecting axons in the optic nerve of the frog following destruction of the retina. Matsumoto DE, et al. **J Comp Neurol** 1981 Oct 10; 202(1):135–55

VISUAL PERCEPTION

see related
VISION

Reorganization of perception: a Konorskian interpretation of the Innsbruck experiments. Gilinsky AS.
Acta Neurobiol Exp (Warsz) 1981;41(5):491–507
The structure of visual receptive fields of cat's pulvinar neurons. Harutiunian-Kozak BA, et al.
Acta Neurobiol Exp (Warsz) 1981;41(2):127–45
Responses of cat's pulvinar neurons to moving visual stimuli. Harutiunian-Kozak BA, et al.
Acta Neurobiol Exp (Warsz) 1981;41(2):147–62
Unconscious and conscious processes during visual perception. Radil T, et al. **Acta Neurobiol Exp (Warsz)** 1981; 41(6):565–72
Light level induced reorganization of cat's lateral geniculate nucleus receptive fields: a spatiotemporal study. Wróbel A. **Acta Neurobiol Exp (Warsz)** 1981;41(5):447–66
Two-unit recordings from the lateral geniculate nucleus of the cat. Some inhibitory interactions. Wróbel A.
Acta Neurobiol Exp (Warsz) 1981;41(5):467–76
Visio-motor prediction of collision. Yakimoff N, et al.
Acta Physiol Pharmacol Bulg 1981;7(1):11–6
A further evaluation of the limitation of wholistic visualization. Beech JR. **Acta Psychol (Amst)** 1981 Nov; 49(2):95–108
Foreperiod and visual stimulus intensity: a reappraisal. Niemi P, et al. **Acta Psychol (Amst)** 1982 Jan;50(1):73–82
Visual control during straight road driving. Riemersma JB.
Acta Psychol (Amst) 1981 Aug;48(1–3):215–25
Boundaries in the radiographic image. II. Principles for the representation of the object as boundary circuits in the image. Edholm P. **Acta Radiol [Diagn] (Stockh)** 1982; 23(2):161–75
Evaluation of cerebral function in newborn infants with fetal growth retardation. Hrbek A, et al. **Adv Neurol** 1982; 32:89–95
Visually evoked potentials in Friedreich's ataxia. Wenzel W, et al. **Adv Neurol** 1982;32:131–9
The Charles Bonnet syndrome and the problem of visual perceptual disorders in the elderly. Berrios GE, et al.
Age Ageing 1982 Feb;11(1):17–23
Visual and kinesthetic memory and integration of mentally retarded and nonretarded adults. Elliott D.
Am J Ment Defic 1981 Sep;86(2):194–200
From pegboards to integration. Scardina V.
Am J Occup Ther 1981 Sep;35(9):581–8
Transfer effects in feature-positive and feature-negative learning by adult humans. Nallan GB, et al.
Am J Psychol 1981 Sep;94(3):417–29
Handedness: coordination of within- and between-hand alternating movements. Peters M. **Am J Psychol** 1981 Dec; 94(4):633–43
Stimulus control in visual evoked potentials and behavioral assessment of infant vision. Braddick O, et al.
Ann NY Acad Sci 1982;388:642–4
Stimulus parameters and visual evoked potential diagnosis. Camisa J, et al. **Ann NY Acad Sci** 1982;388:645–7
Information processing models--in search of elementary operations. Posner MI, et al. **Annu Rev Psychol** 1982; 33:477–514
Visual perception of verticality and horizontality among elderly fallers. Tobis JS, et al. **Arch Phys Med Rehabil** 1981 Dec;62(12):619–22
Trail Making Test and visual search. Ehrenstein WH, et al.
Arch Psychiatr Nervenkr 1982;231(4):333–8
A model of the early stages of the human visual system: functional and topological transformations performed in the peripheral visual field. Braccini C, et al.
Biol Cybern 1982;44(1):47–58
Visual-vestibular interaction in the control of eye movement: mathematical modelling and computer simulation. Buizza A, et al. **Biol Cybern** 1982;43(3):209–23
Linking quantal absorption rate to the visual response. Dawis SM. **Biol Cybern** 1981;42(2):129–32
Recursive features of circular receptive fields. Hartmann G.
Biol Cybern 1982;43(3):199–208
Theory of spatial position and spatial frequency relations in the receptive fields of simple cells in the visual cortex. Kulikowski JJ, et al. **Biol Cybern** 1982;43(3):187–98
Apparent motion path composed of a serial concatenation of translations and rotations. Mori T. **Biol Cybern** 1982; 44(1):31–4
Multiplication noise in the human visual system at threshold: 2. Probit estimation of parameters. Prucnal PR, et al.
Biol Cybern 1982;43(2):87–96
A model for the economical encoding of the visual image in cerebral cortex. Sakitt B, et al. **Biol Cybern** 1982; 43(2):97–108
The information content of texture gradients. Stevens KA.
Biol Cybern 1981;42(2):95–105
Does assignment of orientation to dot patterns reveal optimization processes in the visual system? Yakimoff N.
Biol Cybern 1981;42(1):39–43
Evidence of right cerebral hemisphere dysfunction in schizophrenic patients with left hemisphere overactivation. Schweitzer L. **Biol Psychiatry** 1982 Jun;17(6):655–73
Brain potentials, perceptual mechanisms and semantic categorisation. Boddy J, et al. **Biol Psychol** 1981 Feb; 12(1):43–61
The P300 component of the event-related brain potential as an index of information processing. Duncan-Johnson CC, et al. **Biol Psychol** 1982 Feb-Mar;14(1–2):1–52
P300, as a function of S-R compatibility and motor programming. Ragot R, et al. **Biol Psychol** 1981 Dec; 13:289–94
Modality-specific and supramodal mechanisms of apraxia. De Renzi E, et al. **Brain** 1982 Jun;105(Pt 2):301–12
Asymmetries in the perceptual span for Israeli readers. Pollatsek A, et al. **Brain Lang** 1981 Sep;14(1):174–80
Vowel processing in the left and right visual fields. Salmaso D, et al. **Brain Lang** 1982 May;16(1):147–57
Basic determinants in visual-field effects with special reference to the Hannay et al. (1981) study. Sergent J.
Brain Lang 1982 May;16(1):158–64
Interactions of inputs from dorsal columns and ventral tracts with visual inputs on single neurons of cat superior colliculus. Bitar M, et al. **Brain Res** 1981 Sep 14; 220(2):356–61
Receptive field structure of area 19 as compared to area 17 of the cat. Duysens J, et al. **Brain Res** 1982 Jan 14; 231(2):293–308
Functional properties of area 19 as compared to area 17 of the cat. Duysens J, et al. **Brain Res** 1982 Jan 14; 231(2):279–91
Brainstem projections to the frontal eye field in cat. Pascuzzo GJ, et al. **Brain Res** 1982 Jun 10;241(2):341–6
Extrastriate cortical areas activated during visual discrimination in man. Roland PE, et al. **Brain Res** 1981 Oct 5;222(1):166–71
Perceptual defence: attempted replication using the dark adaptation paradigm. Barber PJ, et al. **Can J Psychol** 1982 Mar;36(1):94–104
Visual masking and linguistic independence in billinguals. Gekoski WL, et al. **Can J Psychol** 1982 Mar;36(1):108–16
Searching for a target in a random arrangement of names: an eye fixation analysis. Phillips RJ. **Can J Psychol** 1981 Dec;35(4):330–46
Perceptual defence: attempted replication using the dark adaption paradigm--a comment. Worthington AG.
Can J Psychol 1982 Mar;36(1):105–7
Intersensory interaction in newborns: modification of visual preferences following exposure to sound. Lewkowicz DJ, et al. **Child Dev** 1981 Sep;52(3):827–32
Effects of encoding and retrieval conditions on infants' recognition memory. MacKay-Soroka S, et al.
Child Dev 1982 Jun;53(3):815–8
Dyadic interaction in a logical reasoning problem requiring inclusion ability. Russell J. **Child Dev** 1981;52(4):1322–5
Infant perception of numerosity. Strauss MS, et al.
Child Dev 1981;52(4):1146–52
Asymmetry of facial expression related to handedness, footedness, and eyedness: a quantitative study. Borod JC, et al. **Cortex** 1981 Oct;17(3):381–90
The influence of lateral orientation on cerebral processing. Casey SM. **Cortex** 1981 Dec;17(4):503–13
Hidden memory: a rapid method for the study of amnesia using perceptual learning. Crovitz HF, et al. **Cortex** 1981 Jul;17(2):273–8
The differential contribution of the verbal code in the course of visual learning: evidence from hemisphere-damaged patients. De Renzi E, et al. **Cortex** 1981 Oct;17(3):447–52
Right hemispheric mediation of dream visualization: a case study. Kerr NH, et al. **Cortex** 1981 Dec;17(4):603–9
The basis of visual constructional disability in patients with unilateral cerebral lesions. Mack JL, et al. **Cortex** 1981 Dec; 17(4):515–31
Counting back from a visually presented digit increases recall asymmetries between hemispheres: a Brown-Peterson experiment with lateral projection of trigrams. Parravicini C, et al. **Cortex** 1981 Jul;17(2):279–90
Postural and visual loads at VDT workplaces. I. Constrained postures. Hünting W, et al. **Ergonomics** 1981 Dec; 24(12):917–31
Postural and visual loads at VDT workplaces. II. Lighting conditions and visual impairments. Läubli T, et al.
Ergonomics 1981 Dec;24(12):933–44
On the relationship between auditory and visual selective attention in young and old adults. Panek PE.
Exp Aging Res 1981 Winter;7(4):497–9
Differential visual adaptation of vertical canal-dependent vestibulo-ocular reflexes. Berthoz A, et al.
Exp Brain Res 1981;44(1):19–26
Magnification factor and receptive field size in foveal striate cortex of the monkey. Dow BM, et al. **Exp Brain Res** 1981; 44(2):213–28
Optokinetic nystagmus in the pigeon (Columba livia). I. Study in monocular and binocular vision. Gioanni H, et al. **Exp Brain Res** 1981;44(4):362–70
Interrelations of the rat's thalamic reticular and dorsal lateral geniculate nuclei. Hale PT, et al. **Exp Brain Res** 1982; 45(1–2):217–29
Residual vision in humans who have been monocularly deprived of pattern stimulation in early life. Hess RF, et al. **Exp Brain Res** 1981;44(3):295–311
Illusions of postural, visual, and aircraft motion elicited by deep knee in the increased gravitoinertial force phase of parabolic flight. Evidence for dynamic sensory-motor calibration to earth gravity force levels. Lackner JR, et al. **Exp Brain Res** 1981;44(3):312–6
A relationship between visual suppression and amblyopia in cats with cyclodeviations of the eyes. Peck CK, et al.
Exp Brain Res 1981;44(3):317–24
Illusions of filled lateral and angular extent. The role of cortical feature detectors. Rentschler I, et al.
Exp Brain Res 1981;44(2):154–8
Ocular dominance in kitten cortex: induced changes of single cells while they are recorded. Tsumoto T, et al.
Exp Brain Res 1981;44(3):347–51
Temporal properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al.
Exp Brain Res 1982;45(1–2):179–88
Spatial properties of the visual detectability of moving spatial white noise. van Doorn AJ, et al. **Exp Brain Res** 1982; 45(1–2):189–95
Recovery of visual functions in patients with cerebral blindness. Effect of specific practice with saccadic localization. Zihl J. **Exp Brain Res** 1981;44(2):159–69
Topography of the hyperstriatal visual projection area in the young domestic chicken. Denton CJ. **Exp Neurol** 1981 Nov;74(2):482–98
The contribution of basketball to the development of some psychological qualities of professional relevance. Kulinsky I, et al. **Folia Med (Plovdiv)** 1981;23(2):63–6
Development of logical search and visual scanning in children. Dickerson DJ, et al. **Genet Psychol Monogr** 1981 Nov;104(Second Half):325–37
Behavioral consequences of mild hypertension. Shapiro AP, et al. **Hypertension** 1982 May-Jun;4(3):355–60
Neuropsychological correlates of auditory and visual hallucinations. McKay SE, et al. **Int J Neurosci** 1981; 15(1–2):87–94
Recovery curves in a visual search task. Artiola i Fortuny L, et al. **Int Rehabil Med** 1979;1(4):177–81
Neurons in cat visual cortex tuned to the direction of motion in depth: effect of stimulus speed. Regan D, et al.
Invest Ophthalmol Vis Sci 1982 Apr;22(4):535–50
Getting the big picture in perspectivist optics. Smith AM.
Isis 1981 Dec;72(264):568–89
Anxiety and perceptual structure: individual differences in neuropsychological function. Tyler SK, et al.
J Abnorm Psychol 1982 Jun;91(3):210–20
Esotropia, exotropia and cognitive/perceptual style. Birnbaum MH. **J Am Optom Assoc** 1981 Aug;52(8):635–9
Visual shorthand. Rankin BN. **J Biocommun** 1982 Jul; 9(2):28–33
Visually speaking: a primer of visual language for biocommunicators. Wakerlin RC, et al. **J Biocommun** 1981 Nov;8(3):5–11
The question of childhood egocentrism: the co-ordination of perspectives in relation to operational thinking. Hobson RP. **J Child Psychol Psychiatry** 1982 Jan;23(1):43–60
Tachistoscopic visual perception after closed head injury. Hannay HJ, et al. **J Clin Neuropsychol** 1982 Jul;4(2):117–29
Treating perceptual organization deficits in nonneglecting RBD stroke patients. Weinberg J, et al.
J Clin Neuropsychol 1982 May;4(1):59–75
A measure of short-term visual memory based on the WISC-R coding subtest. Collaer ML, et al.
J Clin Psychol 1982 Jul;38(3):641–4
Effectiveness of two tests of visual retention. Marsh GG, et al. **J Clin Psychol** 1982 Jan;38(1):115–8
Visual preferences of imprinted ducklings are altered by the maternal call. Johnston TD, et al.
J Comp Physiol Psychol 1981 Oct;95(5):663–75
Reply to Rathbun and Smith: who made the Hooper blooper? Boyd JL. **J Consult Clin Psychol** 1982 Apr;50(2):284–5
Reply to Woodward. Boyd JL. **J Consult Clin Psychol** 1982 Apr;50(2):289–90
Visual motor performance of psychotic children. Haworth MR. **J Consult Clin Psychol** 1981 Dec;49(6):947–58
Comment on the validity of Boyd's Validation Study of the Hooper Visual Organization Test. Rathbun J, et al.
J Consult Clin Psychol 1982 Apr;50(2):281–3
Stimulus discriminability in free-operant and discrete-trial detection procedures. McCarthy D, et al.
J Exp Anal Behav 1982 Mar;37(2):199–215
Conditional discrimination vs. matching to sample: an expansion of the testing paradigm. Sidman M, et al.
J Exp Anal Behav 1982 Jan;37(1):5–22
Changeover delay effects on topographically tagged discriminative behavior. White KG. **J Exp Anal Behav** 1982 Mar;37(2):295–300
S + versus S- fading in prompting procedures with autistic children. Schreibman L, et al. **J Exp Child Psychol** 1981

Jun;31(3):508–20
Intermodal perception of expressive behaviors by human infants. Walker AS. **J Exp Child Psychol** 1982 Jun; 33(3):514–35
Association between the elements of a bivalent compound stimulus. Cunningham CL. **J Exp Psychol [Anim Behav]** 1981 Oct;7(4):425–36
Effects of differential reinforcement expectancies on successive matching-to-sample performance in pigeons. DeLong RE, et al. **J Exp Psychol [Anim Behav]** 1981 Oct; 7(4):394–412
Stimulus interaction and between-trials proactive interference in monkeys. Reynolds TJ, et al. **J Exp Psychol [Anim Behav]** 1981 Oct;7(4):334–47
Cross-modal use of an internal clock. Roberts S. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):2–22
Eye movements of monkeys during discrimination learning: role of visual scanning. Schrier AM, et al. **J Exp Psychol [Anim Behav]** 1982 Jan;8(1):33–48
Subitizing: an analysis of its component processes. Mandler G, et al. **J Exp Psychol [Gen]** 1982 Mar;111(1):1–22
Order information in multiple-element comparison. Angiolillo-Bent JS, et al. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):392–406
Metacontrast investigations of sustained-transient channel inhibitory interactions. Breitmeyer BG, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):770–9
Processing visual feedback information for movement control. Carlton LG. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1019–30
Visual search with color. Carter RC. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):127–36
Hand position as a variable determining the accuracy of aiming movements. Christina RW, et al. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):341–8
Duration of visible persistence in relation to range of spatial frequencies. Di Lollo V, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):754–69
Age-related changes in rate of visual information processing. Di Lollo V, et al. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):225–37
Journal of experimental psychology: human perception and performance. Estes WK. **J Exp Psychol [Hum Percept]** 1982 Jun;8(3):353–82
A positional discriminability model of linear-order judgments. Holyoak KJ, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1283–302
Texture perception: studies of intersensory organization using a discrepancy paradigm, and visual versus tactual psychophysics. Lederman SJ, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):902–15
Synesthetic perception and poetic metaphor. Marks LE. **J Exp Psychol [Hum Percept]** 1982 Feb;8(1):15–23
Bright sneezes and dark coughs, loud sunlight and soft moonlight. Marks LE. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):177–93
Global precedence in attention and decision. Miller J. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1161–74
Discrete versus continuous stage models of human information processing: in search of partial output. Miller J. **J Exp Psychol [Hum Percept]** 1982 Apr;8(2):273–96
Organization and learning of visual-motor information during different orders of limb movement: step, velocity, acceleration. Notterman JM, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):916–27
Processing of formational, semantic, and iconic information in American sign language. Poizner H, et al. **J Exp Psychol [Hum Percept]** 1981 Oct;7(5):1146–59
Visual perception of lifted weight. Runeson S, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):733–40
The cerebral balance of power: confrontation or cooperation? Seigent J. **J Exp Psychol [Hum Percept]** 1982 Apr; 8(2):253–72
Auditory-visual conflicts in the perceived duration of lights, tones and gaps. Walker JT, et al. **J Exp Psychol [Hum Percept]** 1981 Dec;7(6):1327–39
Estimates of age changes on the Benton Visual Retention Test. Arenberg D. **J Gerontol** 1982 Jan;37(1):87–90
Age differences and practice in forward visual masking. Coyne AC. **J Gerontol** 1981 Nov;36(6):730–2
Attention in schizophrenia. Signal detection in the visual periphery. Cegalis JA, et al. **J Nerv Ment Dis** 1981 Dec; 169(12):751–60
Visions and psychopathology in the Middle Ages. Kroll J, et al. **J Nerv Ment Dis** 1982 Jan;170(1):41–9
Dynamic changes of serotonin levels during the first visual experience of binocularly deprived kittens. Kossut M, et al. **J Neurochem** 1981 Nov;37(5):1077–80
The effect of visual deprivation on beta-adrenergic receptors in the visual centres of the rat brain. Schliebs R, et al. **J Neurochem** 1982 Apr;38(4):1038–43
Activity of omnipause neurons in alert cats during saccadic eye movements and visual stimuli. Evinger C, et al. **J Neurophysiol** 1982 May;47(5):827–44
Effects of visual cortical lesions on receptive-field properties of single units in superior colliculus of the rabbit. Graham J, et al. **J Neurophysiol** 1982 Feb;47(2):272–86
Retinal projections in tyrosinase-negative albino cats. Creel D, et al. **J Neurosci** 1982 Jul;2(7):907–11
The visual claustrum of the cat. I. Structure and connections. LeVay S, et al. **J Neurosci** 1981 Sep;1(9):956–80
The visual claustrum of the cat. II. The visual field map. LeVay S, et al. **J Neurosci** 1981 Sep;1(9):981–92
The visual claustrum of the cat. III. Receptive field properties. Sherk H, et al. **J Neurosci** 1981 Sep; 1(9):993–1002
Response biases in eye-gaze perception. Martin W, et al. **J Psychol** 1982 Mar;110(Second half):203–9
Auditory, visual, and auditory-visual perception of vowels by hearing-impaired children. Hack ZC, et al. **J Speech Hear Res** 1982 Mar;25(1):100–7
Unscrambling amblyopia [news] Braddick O. **Nature** 1982 Jul 15;298(5871):224–5
Palinopsia reconsidered. Cummings JL, et al. **Neurology (NY)** 1982 Apr;32(4):444–7
The relationship between metaphorical and cross-modal abilities: failure to demonstrate metaphorical recognition in chimpanzees capable of cross-modal recognition. Ettlinger G. **Neuropsychologia** 1981;19(4):583–6
Differential contributions of the two cerebral hemispheres to the perception of happy and sad faces. Reuter-Lorenz P, et al. **Neuropsychologia** 1981;19(4):609–13
Interference between concurrent speaking and sequential finger tapping: both hands show a performance decrement under both visual and non-visual guidance. Thornton CD, et al. **Neuropsychologia** 1982;20(2):163–9
Changes in complex perception and memory after three different psychosurgical operations. Vilkki J. **Neuropsychologia** 1981;19(4):553–63
Changes of premovement field potentials in the cerebral cortex during learning processes of visually initiated hand movements in the monkey. Sasaki K, et al. **Neurosci Lett** 1981 Dec 11;27(2):125–30
Young children's ability to conserve facial identity when facial emotion varies. Norbeck JS. **Nurs Res** 1981 Nov-Dec;30(6):329–33
Perception as a function of conditioning. Wolpe J. **Pavlov J Biol Sci** 1981 Apr-Jun;16(2):70–2
Effect of conflict awareness on visual dominance. Bacon JH, et al. **Percept Mot Skills** 1982 Feb;54(1):263–7
Development of tactile-visual relations in lower-class children. Belmont I, et al. **Percept Mot Skills** 1982 Feb; 54(1):22
Interactive effects of color realism and learners' IQ on effectiveness of visual instruction. Berry LH, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1087–91
Comparison of educationally handicapped students scores on the Revised Developmental Test of Visual-Motor Integration and Bender-Gestalt. Breen MJ. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1227–30
Effects of an integrated physical education/music program in changing early childhood perceptual-motor performance. Brown J, et al. **Percept Mot Skills** 1981 Aug; 53(1):151–4
Note on the EEG orienting response in children. Bryan JW. **Percept Mot Skills** 1982 Apr;54(2):675–7
Ocular dominance: a replication of the dimensional approach. Cei A, et al. **Percept Mot Skills** 1982 Feb;54(1):23–8
Comparison of scores on two visual-motor tests for children referred for learning or adjustment difficulties. DeMers ST, et al. **Percept Mot Skills** 1981 Dec;53(3):863–7
Relationship of disembedding ability to performance in volleyball, tennis, and badminton. Docherty D, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1219–24
Test settings and the sensorimotor performance of infants with Down's syndrome. Dunst CJ. **Percept Mot Skills** 1981 Oct;53(2):575–8
Gender differences in prism adaptation as influenced by a secondary task. Elliott D. **Percept Mot Skills** 1982 Jun; 54(3):795–9
Visual sampling of environments: a methodological note. Fenton DM. **Percept Mot Skills** 1981 Dec;53(3):978
The effects of physical or perceptual work loads on a coincidence/anticipation task. Fleury M, et al. **Percept Mot Skills** 1981 Dec;53(3):843–50
Effect of movement and vision on visual-motor adjustment to optical rearrangement. Gallahue DL. **Percept Mot Skills** 1982 Jun;54(3):935–42
Performance of three-year-old children on the Berry Visual-Motor Integration Test. Graf MH, et al. **Percept Mot Skills** 1981 Oct;53(2):562
Perceptual-motor learning with moderately retarded persons. Kodman F Jr. **Percept Mot Skills** 1981 Aug;53(1):25–6
Hemispheric asymmetries in children. Lewandowski L. **Percept Mot Skills** 1982 Jun;54(3):1011–9
Visual attention in infants: a study of stimulus complexity, habituation, and sex differences. Mitchell M, et al. **Percept Mot Skills** 1982 Feb;54(1):15–21
Constant vs variable stimulus intensity and visual simple reaction time. Niemi P. **Percept Mot Skills** 1981 Oct; 53(2):615–9
Visual-motor organization: differences between and within individuals. Notterman JM, et al. **Percept Mot Skills** 1982 Jun;54(3):723–50
Operant conditioning of mental retardates' visual monitoring. Perryman RE, et al. **Percept Mot Skills** 1981 Oct; 53(2):507–12
Relationship between figure-ground perception and viewing time in a ball-catching task. Petrakis E. **Percept Mot Skills** 1981 Dec;53(3):899–904
Visual search performance by paranoid and chronic undifferentiated schizophrenics. Portnoff LA, et al. **Percept Mot Skills** 1981 Oct;53(2):411–8
Minnesota Percepto-Diagnostic Test and reading achievement. Putnam LR. **Percept Mot Skills** 1981 Aug; 53(1):235–8
Relationship of visual two-flash and absolute auditory perceptual sensitivity. Robinson TN Jr. **Percept Mot Skills** 1981 Oct;53(2):363–9
Relation of facial expressions and activities: a study of attensity differences in events. Shapiro BA. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1199–211
Balance performance under varied conditions of sensory cues. Shick J. **Percept Mot Skills** 1982 Jun;54(3):951–4
Are whole words perceptual units in reading? Silverman WP, et al. **Percept Mot Skills** 1981 Dec;53(3):811–26
Effect of contextual priming in visual vs auditory presentation. Sweidel GB, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1083–6
Don Juan and the vision of Vision. Smith CU. **Perception** 1981;10(4):435–53
Level of response categorisation and reporting consistency for rivalry between lines viewed as real images and as afterimages. Swanston MT, et al. **Perception** 1982; 10(6):637–43
The effect of the nature of the surround on the perceived lightness of grey bars within square-wave test gratings. White M. **Perception** 1981;10(2):215–30
Processing of alphabetic information presented in the fovea or the periphery: functional visual field and cognitive load. Williams LJ, et al. **Perception** 1982;10(6):645–50
A theoretical and experimental study concerning shape processing by human visual system. Bonciocat C. **Physiologie** 1981 Jan-Mar;18(1):9–18
Heredity and personality in visual perception. Borella S. **Prog Clin Biol Res** 1981;69 Pt B:131–6
Orthographic variations and visual information processing. Hung DL, et al. **Psychol Bull** 1981 Nov;90(3):377–414
The Charles Bonnet syndrome in perspective. Damas-Mora J, et al. **Psychol Med** 1982 May;12(2):251–61
Picture perception and abstract thought in schizophrenia. Reich SS, et al. **Psychol Med** 1982 Feb;12(1):91–6
On the time necessary for a visual impression to come into consciousness. Baxt N. **Psychol Res** 1982;44(1):1–12
Visual and name coding in dyslexic children. Ellis N. **Psychol Res** 1981;43(2):201–18
Event-related potentials to a change of pace in a visual sequence. Ford JM, et al. **Psychophysiology** 1982 Mar; 19(2):173–7
Differences between deaf and hearing adults in task-related EEG asymmetries. Suter S. **Psychophysiology** 1982 Mar; 19(2):124–8
The influence of uncertainty and visual complexity on habituation of electrodermal and visual orienting reactions. Verbaten MN, et al. **Psychophysiology** 1982 Jan;19(1):83–8
Models of lexical access in visual word recognition. Besner D, et al. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):313–25
The relationship between types of feedback, gain of a display and feedback precision in acquisition of a simple motor task. Patrick J, et al. **Q J Exp Psychol [A]** 1982 Feb;34(Pt 1):171–82
Suffix effects and probe modality in probed recall: implications for readout from sensory memory. Penney CG. **Q J Exp Psychol [A]** 1982 May;34(Pt 2):245–57
Laterality effects in visual information processing: hemispheric specialisation or the orienting of attention? Schwartz S, et al. **Q J Exp Psychol [A]** 1982 Feb;34(Pt 1):61–77
Impaired speed of information processing in nonmedicated schizotypal patients. Braff DL. **Schizophr Bull** 1981; 7(3):499–508
Development of visual centers in the primate brain depends on binocular competition before birth. Rakic P. **Science** 1981 Nov 20;214(4523):928–31
Monkey and human pictorial memory scanning. Sands SF, et al. **Science** 1982 Jun 18;216(4552):1333–4
The compression model: a re-examination. Dawis SM. **Vision Res** 1981;21(10):1511–5
Perception of stabilized retinal stimuli in dichoptic viewing conditions. Rozhkova GI, et al. **Vision Res** 1982; 22(2):293–302
Propagating inhibition as a function of flash diameter and duration. Vrolijk PC, et al. **Vision Res** 1982;22(3):401–6
[Unilateral cerebral lesion and disturbance of face perception. Specificity of the deficit? (author's transl)] Bruyer R, et al. **Acta Neurol Belg** 1981;81(6):321–32 (Eng. Abstr.) **(Fre)**
[About a case of visual agnosia with prosopagnosia and colour agnosia] Dumont I, et al. **Acta Psychiatr Belg** 1981 Jan-Feb;81(1):25–45 (Eng. Abstr.) **(Fre)**
[Sensitivity to contrast in patient operated on for congenital cataracts. Study using the Arden test] Vadot E, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):985–6 **(Fre)**
[Variations of cardiac rhythm of children submitted to observation tasks and to control of complex stimulations] Malcuit G, et al. **Can J Psychol** 1982 Mar;36(1):24–41 (Eng. Abstr.) **(Fre)**
[Techniques for examination and rehabilitation of patients with visual disturbances of cerebral origin (author's transl)] Ducarne B, et al. **Rev Neurol (Paris)** 1981;137(11):693–707 (Eng. Abstr.) **(Fre)**
[Attention-dependent processes in tachistoscopic partial report] Bongartz W. **Arch Psychol (Frankf)** 1980; 133(3):171–88 (Eng. Abstr.) **(Ger)**
[Results of visual perception tests in prematurely born children of pre-school age (author's transl)] Gilde HP.

Klin Padiatr 1982 Mar;194(2):80–3 (Eng. Abstr.) **(Ger)**
[Digital image analysis as an optical tool in biochemistry] Zimmer HG, et al. **Naturwissenschaften** 1981 Sep; 68(9):464–70 (Eng. Abstr.) **(Ger)**
[The processing of visual social information in social anxiety] Leichner R. **Z Exp Angew Psychol** 1982;29(2):290–314 (Eng. Abstr.) **(Ger)**
[Modification of visual perception by vibrations] Dupuis H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Mar;31(3):90–5 **(Ger)**
[Perspective spatializations. II. The gradient of verticality in perspective indications] Longhi L, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):88–99 (Eng. Abstr.) **(Ita)**
[Perspective spatializations. I. Directional gradients. 'Gradient of horizontality'. Spatialization of manipulation and of grasping. Phenomenological perspective] Longhi L, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):72–87 **(Ita)**
[Perspective spatializations. III. Further experimental evidence of the theory of directional gradients] Longhi L, et al. **Riv Neurobiol** 1980 Jan–Mar;26(1):100–8 **(Ita)**
[The selective impairment of blue sensitive mechanism isolated by chromatic adaptation in the Maxwellian view optical system in pathologic eyes with fundus disease. Studies of spatial summation and temporal summation (author's transl)] Abe H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10;85(10):1596–605 (Eng. Abstr.) **(Jpn)**
[Effect of anti-suppression in exotropia by an on–and–off stimulation with the checkerboard pattern stimulator (author's transl)] Awaya S, et al. **Nippon Ganka Gakkai Zasshi** 1982;86(3):264–8 (Eng. Abstr.) **(Jpn)**
[The function of visual imagery and effect of input modality in spatial transformation task by blind and sighted adults (author's transl)] Sasaki M. **Shinrigaku Kenkyu** 1981 Dec; 52(5):281–8 (Eng. Abstr.) **(Jpn)**
[Bilateral disorders in the perceptual function of the brain in patients with unilateral lesions as a result of acute cerebral circulatory disorders] Sumskii LI, et al. **Zh Nevropatol Psikhiatr** 1982;82(1):23–7 (Eng. Abstr.) **(Rus)**
[Delayed reactions of simians in a multiple–choice situation] Nikitin VS. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):464–71 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Retinal amacrine cell system tyrosine hydroxylase: the development of responsiveness to light and neuroleptic drugs. Cohen J, et al. **Brain Res** 1982 Jan;255(1):160–3
Optic nerve components may not be equally susceptible to damage by acrylamide. Vidyasagar TR. **Brain Res** 1981 Nov 16;224(2):452–5
Regulation of visual attention in offspring of female monkeys treated chronically with delta 9–tetrahydrocannabinol. Golub MS, et al. **Dev Psychobiol** 1981 Dec;14(6):507–12
Single cell responses in cat visual cortex to visual stimulation during iontophoresis of noradrenaline. Kasamatsu T, et al. **Exp Brain Res** 1982;45(3):317–27
Drinking history and sex of subject in the effects of alcohol on perception and perceptual–motor coordination. Wait JS, et al. **Int J Addict** 1982 Apr;17(3):445–62
Visual memory of black and white male heroin and nonheroin drug users. Penk WE, et al. **J Abnorm Psychol** 1981 Oct; 90(5):486–9
Behavioral effects of chemicals in drinking water. Rotton J, et al. **J Appl Psychol** 1982 Apr;67(2):230–8
Visual memory of male Hispanic–American heroin addicts. Penk WE, et al. **J Consult Clin Psychol** 1981 Oct; 49(5):771–2
Chlorpromazine reduces the perceptual ambiguity of a reversible visual figure. Harris JP, et al. **Neuropharmacology** 1981 Dec;20(12B):1337–8
Persistence of visual responsiveness in the lateral geniculate nucleus of rats treated with monosodium–L–glutamate. Groos G. **Neurosci Lett** 1981 Sep 25;25(3):293–7
Acetylcholine may be an excitatory transmitter mediating visual excitation of 'transient' cells with the periphery effect in the cat retina: iontophoretic studies in vivo. Ikeda H, et al. **Neuroscience** 1982 May;7(5):1299–308
Covariation between two–flash threshold and skin conductance level in first–breakdown schizophrenics: relationships in drug–free patients and effects of treatment. Claridge G, et al. **Psychiatry Res** 1982 Jun;6(3):371–80
Effects of lead on the visual system of occupationally exposed subjects. Cavalleri A, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:148–51
[Differentiation by animals of visual signals as affected by benzodiazepine tranquilizers] Machula AI, et al. **Farmakol Toksikol** 1982 Mar–Apr;45(2):13–5 **(Rus)**
[Effect of alcohol on interhemispheric functional relations] Kostandov EA, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):451–63 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Properties of visually sensitive neurons in lateral suprasylvian area of the cat. Khachvankian DK, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(3):299–313 (44 ref.)
Laterality differences in recognition of kana and kanji words. Shimizu A, et al. **Acta Neurol (Napoli)** 1981 Dec; 36(6):705–20 (44 ref.)
Methods for intramodal and cross–modal investigation of rhythms (temporal patterns) in audition, vision and touch. Mavlov L, et al. **Acta Physiol Pharmacol Bulg** 1981; 7(1):17–24
Performance of normal older adults on tests designed to measure parietal lobe functions. Farver PF, et al. **Am J Occup Ther** 1982 Jul;36(7):444–9
The effect of accommodative deficiencies on the developmental level of perceptual skills. Hoffman LG. **Am J Optom Physiol Opt** 1982 Mar;59(3):254–62
The effect of stimulus orientation on the visual evoked potential in multiple sclerosis. Camisa J, et al. **Ann Neurol** 1981 Dec;10(6):532–9
Electroretinographic and visual cortical potentials in response to alternating gratings. Maffei L. **Ann NY Acad Sci** 1982;388:1–10
The relationship of visual evoked potentials to cortical physiology. Nakayama K. **Ann NY Acad Sci** 1982;388:21–36
Comparison of transient and steady–state methods. Regan D. **Ann NY Acad Sci** 1982;388:45–71
Parallel pathways in the mammalian visual system. Shapley R. **Ann NY Acad Sci** 1982;388:11–20
Sequential analysis of the visual evoked potential system in man: nonlinear analysis of a sandwich system. Spekreijse H, et al. **Ann NY Acad Sci** 1982;388:72–97
Pseudorandom sequences in the study of evoked potentials. Srebro R, et al. **Ann NY Acad Sci** 1982;388:98–112
Input–output activity of the primate flocculus during visual–vestibular interaction. Waespe W, et al. **Ann NY Acad Sci** 1981;374:491–503
Prosthesis–related studies on visual cortex neurons. Ronner SF. **Appl Neurophysiol** 1982;45(1–2):18–24
Visual phenomena evoked by electrical stimulation of the human brain stem. Tasker RR, et al. **Appl Neurophysiol** 1980;43(3–5):89–95
Multiple sclerosis. Luminance threshold and measurements of temporal characteristics of vision. Patterson VH, et al. **Arch Neurol** 1981 Nov;38(11):687–9
Influence of a visual display and frequency of whole–body angular oscillation on incidence of motion sickness. Guedry FE Jr, et al. **Aviat Space Environ Med** 1982 Jun;53(6):564–9
The vestibulo–ocular reflex in man during voluntary head oscillation under three visual conditions. Jell RM, et al. **Aviat Space Environ Med** 1982 Jun;53(6):541–8
Apparent instrument horizon deflection during and immediately following rolling maneuvers. Lentz JM, et al. **Aviat Space Environ Med** 1982 Jun;53(6):549–53
Some observations on the functional organization of the golden hamster's visual system. Chalupa LM. **Behav Brain Res** 1981 Sep;3(2):189–200
Toward a neuroethology of mammalian vision: ecology and anatomy of rodent visuomotor behavior. Finlay BL, et al. **Behav Brain Res** 1981 Sep;3(2):133–49
Interactions between components of the avian visual system. Hodos W, et al. **Behav Brain Res** 1982 Jun;5(2):157–73
New methods for analysis of vision in the gerbil. Ingle DJ. **Behav Brain Res** 1981 Sep;3(2):151–73
Visual deficits and recovery following monocular lid closure in a prosimian primate. Joseph R, et al. **Behav Brain Res** 1980 Apr;1(2):165–86
The contribution of the corpus callosum to receptive fields in the lateral suprasylvian visual areas of the cat. Marzi CA, et al. **Behav Brain Res** 1982 Feb;4(2):155–76
Behavioral recovery from binocular deprivation in the cat. Mower GD, et al. **Behav Brain Res** 1982 Feb;4(2):209–15
Phasic electrodermal responses after visual stimulation in the cortically blind hemifield. Zihl J, et al. **Behav Brain Res** 1980 Apr;1(2):197–203
Changes in brain biogenic amines in cats performing a symmetrically reinforced go–nogo visual discrimination task. Kitsikis A, et al. **Behav Neural Biol** 1981 Jun; 32(2):133–47
Components of the event–related potential following degraded and undegraded visual stimuli. Kok A, et al. **Biol Psychol** 1980 Sep;11(2):117–33
Hearing impairment and visual perceptual processes in reading. Cooper C, et al. **Br J Disord Commun** 1981 Apr; 16(1):43–9
Visual perception and perceptual disorder. Ratcliff G, et al. **Br Med Bull** 1981 May;37(2):181–6 (71 ref.)
Organization of visuospatial functions in human cortex. Evidence from electrical stimulation. Fried I, et al. **Brain** 1982 Jun;105(Pt 2):349–71
Dissociation of spatial information for stimulus localization and the control of attention. Holtzman JD, et al. **Brain** 1981 Dec;104(Pt 4):861–72
Gating of somatosensory evoked potentials during different kinds of movement in man. Rushton DN, et al. **Brain** 1981 Sep;104(3):465–91
Bifoveal vision in anolis lizards. Fite KV, et al. **Brain Behav Evol** 1981;19(3–4):144–54
Sea–finding behaviour of loggerhead hatchlings: the time course of transient circling following unilateral and asynchronous bilateral blindfolding. Kingsmill SF, et al. **Brain Behav Evol** 1982;20(1–2):29–42
Hemisphere differences in the acquisition and use of descriptive systems. Goldberg E, et al. **Brain Lang** 1981 Sep;14(1):144–73
Intracortical evoked potentials of cats elicited by punctate visual stimuli in receptive field peripheries. Ebersole JS, et al. **Brain Res** 1981 Nov 9;224(1):160–4
Cortical binocularity is disrupted by strabismus more slowly than by monocular deprivation. Freeman RD, et al. **Brain Res** 1982 Feb;255(2):311–6
Receptive field properties of rat ventral lateral geniculate cells projections to the superior colliculus. Hayashi Y, et al. **Brain Res** 1981 Dec 7;226(1–2):298–303
Initial hypertrophy of cells in undeprived laminae of the lateral geniculate nucleus of the monkey following early monocular visual deprivation. Headon MP, et al. **Brain Res** 1982 Apr 29;238(2):439–44
Undernutrition and recovery from brain damage: a preliminary investigation. Mangold RF, et al. **Brain Res** 1981 Dec 28;230(1–2):406–11
Effects of early monocular deprivation on the acuity of lateral geniculate neurons in the cat. Mower GD, et al. **Brain Res** 1982 Mar;255(3):475–80
Activity of primate precentral neurons during voluntary movements triggered by visual signals. Murphy JT, et al. **Brain Res** 1982 Mar 25;236(2):429–49
Visual responses of nucleus corticalis neurons in the perciform teleost, Northern Rock Bass (Ambloplites rupestris rupestris). Rowe JS, et al. **Brain Res** 1982 Mar 18;236(1):205–9
Distribution of cerebellar fiber terminals in the midbrain visuomotor areas: an autoradiographic study in the cat. Sugimoto T, et al. **Brain Res** 1982 Apr 29;238(2):353–70
Layer–specific labelling of cat visual cortex after stimulation with visual noise: a [3H]2–deoxy–d–glucose study. Wagner HJ, et al. **Brain Res** 1981 Nov 9;224(1):31–43
The effect of post–training hypothalamic self–stimulation on sensory preconditioning in rats. Coulombe D, et al. **Can J Psychol** 1982 Mar;36(1):57–66
Inherent characteristics of visual stimulus systems and their effect on the visual evoked potential. Barber C. **Clin Phys Physiol Meas** 1981 May;2(2):135–46
The basis of visual constructional disability in patients with unilateral cerebral lesions. Mack JL, et al. **Cortex** 1981 Dec; 17(4):515–31
Sex and cognitive influence on visual hemifield superiority for face and letter recognition. Pizzamiglio L, et al. **Cortex** 1981 Jul;17(2):215–26
The effect of stimulus size and exposure duration on visual field asymmetries. Pring TR. **Cortex** 1981 Jul;17(2):227–40
Individual differences in cerebral asymmetries for facial recognition. Ross P, et al. **Cortex** 1981 Jul;17(2):199–214
Spectral analysis of photic stimulation in migraine. Simon KH, et al. **Electroencephalogr Clin Neurophysiol** 1982 Mar; 53(3):270–6
Visual signal detection and lambda responses. Yagi A. **Electroencephalogr Clin Neurophysiol** 1981 Dec; 52(6):604–10
Participation of the cerebellar dentate nucleus in the control of a goal–directed movement in monkeys. Effects of reversible or permanent dentate lesion on the duration and accuracy of a pointing response. Beaubaton D, et al. **Exp Brain Res** 1982;46(1):127–38
The coordination of eye, head, and arm movements during reaching at a single visual target. Biguer B, et al. **Exp Brain Res** 1982;46(2):301–4
The variability of discharge of simple cells in the cat striate cortex. Dean AF. **Exp Brain Res** 1981;44(4):437–40
The spatial organization of the excitatory regions in the visual receptive fields of the pigeon's optic tectum. Hardy O, et al. **Exp Brain Res** 1982;46(1):59–68
Spatial arrangements of responses by cells in the cat visual cortex to light and dark bars and edges. Kulikowski JJ, et al. **Exp Brain Res** 1981;44(4):371–85
Linear analysis of the responses of simple cells in the cat visual cortex. Kulikowski JJ, et al. **Exp Brain Res** 1981; 44(4):386–400
Visual receptive field properties of cells innervated through the corpus callosum in the cat. Lepore F, et al. **Exp Brain Res** 1982;46(3):413–24
Distance–dependent interactions between the rod and the cone systems in goldfish retina. Levine MW, et al. **Exp Brain Res** 1981;44(4):353–61
Cortical field potentials preceding visually initiated hand movements and cerebellar actions in the monkey. Sasaki K, et al. **Exp Brain Res** 1982;46(1):29–36
Orientation selectivity in the cat's striate cortex is invariant with stimulus contrast. Sclar G, et al. **Exp Brain Res** 1982; 46(3):457–61
Visuotopic organization of the superior colliculus of the opossum. Volchan E, et al. **Exp Brain Res** 1982;46(2):263–8
Visual and graviceptive influences on lower leg EMG activity in humans during brief falls. Wicke RW, et al. **Exp Brain Res** 1982;46(3):324–30
Recovery of function after brain damage: the question of individual behaviors of functionality. Davis N, et al. **Exp Neurol** 1982 Jan;75(1):68–78
Effect of bilateral ablation of the vestibular cerebellum on visual–vestibular interaction. Honrubia V, et al. **Exp Neurol** 1982 Mar;75(3):616–26
A follow–up electrophysiological study of rats with poor intrauterine fetal growth: the development of visual evoked responses (VERs). Pinto F, et al. **Experientia** 1981 Jul 15; 37(7):724–6
Does sex influence laterality differences in recognition of visually–presented kana or kanji words? Shimizu A, et al. **Folia Psychiatr Neurol Jpn** 1981;35(4):417–23
Functional asymmetry of the cerebral hemispheres: differences in the description of visual objects. Leushina LI, et al. **Hum Physiol** 1981 May–Jun;7(3):185–95

Effects of stimulus location and pattern upon the visually evoked cortical potential and the electroretinogram. Armington JC, et al. **Int J Neurosci** 1981;14(3-4):169-78

Measurement of integrated sensory-motor function following brain damage by a computerized preview tracking task. Jones RD, et al. **Int Rehabil Med** 1981;3(2):71-83

Fusional response to extrafoveal stimulation. Kertesz AE, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):600-5

Spatial summation, contrast threshold, and aging [letter] Owsley C, et al. **Invest Ophthalmol Vis Sci** 1982 Jan; 22(1):130-3

Sensitivity deficits consistent with aberrant crossed visual pathways in human albinos. St. John R, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):873-7

Interocular luminance differences and the binocular pattern-reversal visual-evoked response. Trick GL, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):394-401

Visual topography of V2 in the macaque. Gattass R, et al. **J Comp Neurol** 1981 Oct 1;201(4):519-39

Visual discrimination defects in cats with temporal or occipital decortications. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):603-14

Behavioral effects of early rearing conditions and neonatal lesions of the visual cortex in kittens. Cornwell P, et al. **J Comp Physiol Psychol** 1981 Dec;95(6):848-62

Exponent of the latency of brightness power functions in the fovea and periphery of the visual field. Osaka N. **J Gen Psychol** 1982 Apr;106(Second Half):195-203

Verbal and visuospatial performance and aging: a neuropsychological approach. Shelton MD, et al. **J Gerontol** 1982 May;37(3):336-41

Retinal afferents and efferents of an infrared sensitive snake, Crotalus viridis. Schroeder DM. **J Morphol** 1981 Oct; 170(1):29-42

Visuo-limbic interactions. Evidence for a pathway from the pulvinar to the cingulate cortex. Kuljis RO, et al. **J Neurol Sci** 1981 Oct;52(1):79-84

Behavioral enhancement of visual responses in monkey cerebral cortex. I. Modulation in posterior parietal cortex related to selective visual attention. Bushnell MC, et al. **J Neurophysiol** 1981 Oct;46(4):755-72

Nonlinear interactions in ganglion cell receptive fields. Citron MC, et al. **J Neurophysiol** 1981 Dec;46(6):1161-76

Visual topography of striate projection zone (MT) in posterior superior temporal sulcus of the macaque. Gattass R, et al. **J Neurophysiol** 1981 Sep;46(3):621-38

Visual response properties of dorsolateral prefrontal neurons during visual fixation task. Mikami A, et al. **J Neurophysiol** 1982 Apr;47(4):593-605

Visual and pursuit eye movement-related activity in posterior vermis of monkey cerebellum. Suzuki DA, et al. **J Neurophysiol** 1981 Nov;46(5):1120-39

Theory for the development of neuron selectivity: orientation specificity and binocular interaction in visual cortex. Bienenstock EL, et al. **J Neurosci** 1982 Jan;2(1):32-48

Effects of monocular deprivation on the structure-function relationship of individual neurons in the cat's lateral geniculate nucleus. Friedlander MJ, et al. **J Neurosci** 1982 Mar;2(3):321-30

Visual form perception and the spatial phase transfer function. Burton GJ, et al. **J Opt Soc Am** 1981 Sep; 71(9):1056-63

Nonlinear visual responses to flickering sinusoidal gratings. Kelly DH. **J Opt Soc Am** 1981 Sep;71(9):1051-5

Invariant features of contrast detection: an explanation in terms of self-similar detector arrays. Koenderink JJ, et al. **J Opt Soc Am** 1982 Jan;72(1):83-7

The Pulfrich effect: filtering portions of both eyes. Landrigan DT, et al. **J Psychol** 1981 Nov;109(Second Half):165-72

Psychophysical studies on subjects with visual defects. Ruddock KH. **J R Soc Med** 1982 May;75(5):315-22

Compound eyes project stripes on the optic tectum in Xenopus. Fawcett JW, et al. **Nature** 1982 Mar 25; 296(5855):350-1

Visual orientation behaviour of flies after selective laser beam ablation of interneurones. Geiger G, et al. **Nature** 1981 Oct 1;293(5831):398-9

Vision and the optic flow field [news] Lishman JR. **Nature** 1981 Sep 24;293(5830):263-4

Reconstruction of spatial information in the human visual system. Nyman G, et al. **Nature** 1982 May 27; 297(5864):324-5

Physiological evidence that the 2-deoxyglucose method reveals orientation columns in cat visual cortex. Schoppmann A, et al. **Nature** 1981 Oct 15-21; 293(5833):574-6

Patches in monkey visual cortex [news] Swindale NV. **Nature** 1981 Oct 15-21;293(5833):509-10

Visual machinery of the brain [news] Whitteridge D. **Nature** 1981 Nov 12;294(5837):113-4

Prosopagnosia: anatomic basis and behavioral mechanisms. Damasio AR, et al. **Neurology (NY)** 1982 Apr;32(4):331-41

Right thalamic injury, impaired visuospatial perception, and alexia. Henderson VW, et al. **Neurology (NY)** 1982 Mar; 32(3):235-40

Hemispheric asymmetry for classifying upright and inverted letter pairs: handedness and sex differences. Birkett P. **Neuropsychologia** 1981;19(5):713-7

Brain and conscious representation of outside reality. Bisiach E, et al. **Neuropsychologia** 1981;19(4):543-51

Multiplexing in single cells of the alert monkeys visual cortex during brightness discrimination. Bridgeman B. **Neuropsychologia** 1982;20(1):33-42

Hemispheric asymmetry: the effect of orientation on same-different comparison. Hock HS, et al. **Neuropsychologia** 1981;19(5):723-7

Interhemispheric pathways in simple reaction time to lateralized light flash. Milner AD, et al. **Neuropsychologia** 1982;20(2):171-9

Tachistoscopic recognition of Kana and Hangul words, handedness and shift of laterality difference. Shimizu A, et al. **Neuropsychologia** 1981;19(5):665-73

Perceptual framing and cortical alpha rhythm. Varela FJ, et al. **Neuropsychologia** 1981;19(5):675-86

Structure of receptive fields of cat pulvinar neurons sensitive to photic stimulation. Arutyunyan-Kozak BA, et al. **Neurosci Behav Physiol** 1981 Jul-Aug;11(4):400-5

Evoked potentials to light during aging. Man'kovskii NB, et al. **Neurosci Behav Physiol** 1981 Mar-Apr;11(2):195-202

Trend of statistical characteristics of evoked potentials in modality-specific brain structures during defensive conditioning. Popova NS, et al. **Neurosci Behav Physiol** 1981 May-Jun;11(3):255-61

Toad and frog rod photocurrents. Conner JD. **Neurosci Lett** 1982 May 28;30(2):113-6

Modifications of presaccadic activation on neurons in the extrastriate cortex during prolonged training of rhesus monkeys in a visuo-oculomotor task. Fischer B, et al. **Neurosci Lett** 1982 May 28;30(2):127-31

Receptive field properties of neurons in the visual cortex of the rat. Parnavelas JG, et al. **Neurosci Lett** 1981 Dec 23;27(3):291-6

Signal value and preliminary processes in OR elicitation. Barry RJ. **Pavlov J Biol Sci** 1981 Jul-Sep;16(3):144-50

Central and peripheral visual choice-reaction time under conditions of induced cortical hyperthermia. Hancock PA, et al. **Percept Mot Skills** 1982 Apr;54(2):395-402

Scotopic thresholds of rhesus monkeys at different grating densities under normal and low-protein diets. Hill CW, et al. **Percept Mot Skills** 1981 Oct;53(2):467-71

Optic aphasia: a process of interaction between vision and language. Beauvois MF. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25;298(1089):35-47

Sensory and non-sensory visual disorders in man and monkey. Cowey A. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25;298(1089):3-13

Neural systems control of spatial orienting. Posner MI, et al. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25; 298(1089):187-98

Comparative commissure function: interocular transfer of successive visual discriminations in cats. Francis A, et al. **Physiol Behav** 1982 Feo;28(2):295-9

P300 wave elicited by a stimulus-change paradigm in acutely prepared rats. O'Brien JH. **Physiol Behav** 1982 Apr; 28(4):711-3

Glucose metabolism increases in visual pathways following habituation. Toga AW, et al. **Physiol Behav** 1981 Nov; 27(5):825-34

Recognition and surprise alter the human visual evoked response. Neville H, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2121-3

Visual hyperacuity:spatiotemporal interpolation in human vision. Fahle M, et al. **Proc R Soc Lond [Biol]** 1981 Nov 24;213(1193):451-77

On the variety of spatial frequency selectivities shown by neurons in area 17 of the cat. Tolhurst DJ, et al. **Proc R Soc Lond [Biol]** 1981 Oct 14;213(1191):183-99

Neurophysiological and psychopharmacological approaches to sensory deprivation phenomena. Goodman AL. **Prog Neuropsychopharmacol Biol Psychiatry** 1982; 6(2):95-110

Multiple late positive potentials in two visual discrimination tasks. Friedman D, et al. **Psychophysiology** 1981 Nov; 18(6):635-49

AERs and detection in tasks yielding U-shaped backward masking functions. Schwartz M, et al. **Psychophysiology** 1981 Nov;18(6):678-85

Brain mechanisms of visual attention. Wurtz RH, et al. **Sci Am** 1982 Jun;246(6):124-35

Efficiency of human visual signal discrimination. Burgess AE, et al. **Science** 1981 Oct 2;214(4516):93-4

Integrating visual information from successive fixations. Jonides J, et al. **Science** 1982 Jan 8;215(4529):192-4

Oculoparalytic illusion: visual-field dependent spatial mislocalizations by humans partially paralyzed with curare. Mayin L, et al. **Science** 1982 Apr 9;216(4542):198-201

How do we avoid confounding the direction we are looking and the direction we are moving? Regan D, et al. **Science** 1982 Jan 8;215(4529):194-6

Early chronic low-level methylmercury poisoning in monkeys impairs spatial vision. Rice DC, et al. **Science** 1982 May 14;216(4547):759-61

Receptive fields and the optimal stimulus [letter] Stork DG, et al. **Science** 1982 Apr 9;216(4542):204-5

Spatial frequency columns in primary visual cortex. Tootell RB, et al. **Science** 1981 Nov 13;214(4522):813-5

Eccentric fixation and viewing and hemispheral dominance. Arruga A, et al. **Trans Ophthalmol Soc UK** 1980; 100(4):461-3 (17 ref.)

The foveal point spread function as a determinant for detail vision. Blommaert FJ, et al. **Vision Res** 1981;21(8):1223-33

Rod-cone interaction on large and small backgrounds. Buck SL, et al. **Vision Res** 1981;21(7):1181-7

Lateral interactions in the control of visual sensitivity. Buss CM, et al. **Vision Res** 1982;22(6):693-709

Binocular luminance detection: availability of more than one central interaction. Cohn TE, et al. **Vision Res** 1981; 21(7):1017-23

The orientation and direction selectivity of cells in macaque visual cortex. De Valois RL, et al. **Vision Res** 1982; 22(5):531-44

Detection of vertical disparties. Duwaer AL, et al. **Vision Res** 1982;22(4):467-78

Large loss of visual sensitivity to flashed peripheral targets. Frome FS, et al. **Vision Res** 1981;21(8):1323-8

Variations in brightness at two retinal locations. Greenstein VC, et al. **Vision Res** 1981;21(6):885-91

Silent periodic cells in the cat striate cortex. Kulikowski JJ, et al. **Vision Res** 1982;22(1):191-200

The physiological basis of variations in visual latency. Lennie P. **Vision Res** 1981;21(6):815-24

Visual detection and resolution as a function of adaptation and glare. Lie I. **Vision Res** 1981;21(12):1793-7

Prediction of the visibility of asynchronous gratings by a single-channel model. Limb JO. **Vision Res** 1981; 21(9):1409-12

Is perceived motion a stimulus for smooth pursuit. Mack A, et al. **Vision Res** 1982;22(1):77-88

Modulation transfer functions of the human visual system revealed by magnetic field measurements. Okada YC, et al. **Vision Res** 1982;22(2):319-33

Perception of suprathreshold stimuli during saccadic eye movements. Riggs LA, et al. **Vision Res** 1982;22(4):423-8

Temporal impulse and step responses of the human eye obtained psychophysically by means of a drift-correcting perturbation technique. Roufs JA, et al. **Vision Res** 1981; 21(8):1203-21

Evidence for luminance and quasi-sustained color mechanisms. Schwartz SH, et al. **Vision Res** 1982; 22(4):445-7

Contrast sensitivity and adaptation as a function of grating length. Wright MJ. **Vision Res** 1982;22(1):139-49

[Peculiarities of movement perception in adolescent drivers. Vestibulovisual perceptions] Popivanova C. **Acta Otorhinolaryngol Belg** 1981;35(3-4):343-50 **(Fre)**

[Perceptions of objects moving in space by adolescent drivers (vestibulo-visual perception)] Popivanova C. **Agressologie** 1981;22(B):59-62 (Eng. Abstr.) **(Fre)**

[Associative visual agnosia: role of the left hemisphere in visual perception (author's transl)] Pillon B, et al. **Rev Neurol (Paris)** 1981;137(12):831-42 (Eng. Abstr.) **(Fre)**

[The neurophysiological mechanism of light sensation (authors's transl)] Inui T, et al. **Iyodenshi To Seitai Kogaku** 1981 Feb;19(1):1-8 **(Jpn)**

[The influence of optical reversal on standing posture of normal subjects (author's transl)] Maeda H, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1982 May;85(5):542-9 (Eng. Abstr.) **(Jpn)**

[Nonverbal visual memory after unilateral temporal lobe resection] Mroziak J. **Neurol Neurochir Pol** 1981 Jul-Aug; 15(4):475-80 (Eng. Abstr.) **(Pol)**

[Neuromorphological evidence of individual differences in human vision] Zvorykin VP. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):21-4 (Eng. Abstr.) **(Rus)**

[Model of perception of moving and stationary objects] Losev IS, et al. **Biofizika** 1981 Sep-Oct;26(5):854-9 **(Rus)**

[Accuracy of the visual estimation of object orientation in limited task performance time] Kostelianets NB, et al. **Dokl Akad Nauk SSSR** 1982;264(4):1011-3 **(Rus)**

[Reactions of auditory cortex neurons to non-acoustic stimuli] Serkov FN, et al. **Fiziol Zh** 1981 Jul-Aug; 27(4):451-8 (Eng. Abstr.) **(Rus)**

[Possible model representations of the neurophysiologic mechanisms of analysis of the direction and rate of movement of a visual object] Aleinikov IuP, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1201-7 **(Rus)**

[Neuronal level of visual analysis organization in the frog tectum] Aleinikova TV, et al. **Fiziol Zh SSSR** 1982 Jan; 68(1):19-24 (Eng. Abstr.) **(Rus)**

[Neurophysiological correlates of visual perception] Glezer VD. **Fiziol Zh SSSR** 1982 Feb;68(2):220-8 (Eng. Abstr.) **(Rus)**

[Responses of neurons of the dorsal hippocampus to low-frequency photostimulation] Gloveli TB, et al. **Fiziol Zh SSSR** 1981 May;67(5):645-51 (Eng. Abstr.) **(Rus)**

[Response of lateral geniculate body neurons to moving light bands in cats] Novikov GI, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1617-27 (Eng. Abstr.) **(Rus)**

[Transmission of information concerning image brightness by neurons of the lateral geniculate body in the cat] Podvigin NF, et al. **Fiziol Zh SSSR** 1981 May;67(5):629-36 (Eng. Abstr.) **(Rus)**

[Relation between the size and eccentricity of the receptive fields of lateral suprasylvian neurons] Shelepin IuE, et al. **Fiziol Zh SSSR** 1981 Nov;67(11):1597-1604 (Eng. Abstr.) **(Rus)**

[Structure of the simple receptive field of the cat visual cortex] Glezer VD, et al. **Neirofiziologiia** 1981;13(4):339-44 (Eng. Abstr.) **(Rus)**

[Structure of the complex receptive field of the visual cortex in the cat] Glezer VD, et al. **Neirofiziologiia** 1982; 14(1):19-25 (Eng. Abstr.) **(Rus)**

[Interrelation between neuronal responses of hippocampal

fields CA1 and CA3 to photic stimulation in the cat] Ioseliani TK, et al. **Neirofiziologiia** 1981;13(5):556–8 (Eng. Abstr.) **(Rus)**

[Receptive fields of lateral suprasylvian neurons in the cat] Khachvankian DK, et al. **Neirofiziologiia** 1982;14(3):278–83 (Eng. Abstr.) **(Rus)**

[Visual information coding in the frog midbrain tectum] Kogan AB, et al. **Neirofiziologiia** 1982;14(1):26–34 (Eng. Abstr.) **(Rus)**

[Activation response to photic stimulation in normal cats and after transection of the afferent pathways of the mesencephalic reticular formation] Lavrov VV, et al. **Neirofiziologiia** 1981;13(5):500–5 (Eng. Abstr.) **(Rus)**

[Changes in the reactivity of visual cortex neurons after local photic stimulation of their receptive fields] Lazareva NA. **Neirofiziologiia** 1981;13(3):233–40 (Eng. Abstr.) **(Rus)**

[Temporal signal summcation by at visual cortex neurons] Novikova RV. **Neirofiziologiia** 1981;13(4):345–51 (Eng. Abstr.) **(Rus)**

[Orientational selectivity and space–frequency characteristics of the receptive fields of occipital cortex neurons in the cat] Shelepin IuE. **Neirofiziologiia** 1981;13(3):227–32 (Eng. Abstr.) **(Rus)**

[Dynamics of orientational tuning of visual cortex neurons in the cat] Shevelev IA, et al. **Neirofiziologiia** 1981; 13(5):451–9 (Eng. Abstr.) **(Rus)**

[Focal evoked potentials in the rabbit visual cortex: density analysis of current sources] Supin AIa. **Neirofiziologiia** 1981;13(5):474–81 (Eng. Abstr.) **(Rus)**

[Participation of the basal ganglia in the mechanism of visual memory in the rat] Gambarian LS, et al. **Zh Evol Biokhim Fiziol** 1982 May–Jun;18(3):289–95 (Eng. Abstr.) **(Rus)**

[Interhemispheric relations in chronic alcoholism] Reshchikova TN. **Zh Nevropatol Psikhiatr** 1981; 81(9):1371–5 (Eng. Abstr.) **(Rus)**

[Effect of hyperventilation on depression of the EEG alpha rhythm caused by a suggested visual image] Shmel'kina RD. **Zh Nevropatol Psikhiatr** 1981;81(9):1379–81 (Eng. Abstr.) **(Rus)**

[Neurophysiologic mechanisms of the change in visual perception in children between 3 and 7 years of age] Beteleva TG. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):994–1001 (Eng. Abstr.) **(Rus)**

[Effect of functional cold exclusion of the temporal areas of the neocortex on spike activity of visual cortex neurons] Dulinets VV. **Zh Vyssh Nerv Deiat** 1982 Jan–Feb; 32(1):173–4 **(Rus)**

[Visual evoked potentials of nestlings exposed to natural signals of different biological qualities] Khaiutin SN, et al. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):643–6 **(Rus)**

[Analysis of the galvanic skin response to visual stimuli in preschool children] Logunova GI. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):842–4 **(Rus)**

[Responses of neurons of the anterodorsal nucleus of the thalamus and comparative analysis of 3 limbic nuclei] Pakhotin PI, et al. **Zh Vyssh Nerv Deiat** 1981 Sep–Oct; 31(5):1038–47 (Eng. Abstr.) **(Rus)**

[Effect of the motor cortex on heterogeneous afferent flows in the mediodorsal nucleus of the thalamus] Poliakova AG. **Zh Vyssh Nerv Deiat** 1982 Mar–Apr;32(2):300–9 (Eng. Abstr.) **(Rus)**

[Frequency structure of evoked potentials to light in different regions of the human cerebral cortex] Shchekut'ev GA, et al. **Zh Vyssh Nerv Deiat** 1981 Jul–Aug;31(4):845–7 **(Rus)**

[Coordination of processes in the hierarchical structure of the visual analyzer] Val'tsev BV. **Zh Vyssh Nerv Deiat** 1981 May–Jun;31(3):598–604 (Eng. Abstr.) **(Rus)**

VITAL CAPACITY

Ventilatory function in normal Nigerian school children. Onadeko BO, et al. **Afr J Med Med Sci** 1979 Mar–Jun; 8(1–2):25–9

Rapidly decreasing forced expiratory volume in one second or vital capacity and development of chronic airflow obstruction. Clément J, et al. **Am Rev Respir Dis** 1982 May; 125(5):553–8

The effect of occupational exposure on pulmonary function: a longitudinal evaluation of fire fighters and nonfire fighters. Sparrow D, et al. **Am Rev Respir Dis** 1982 Mar; 125(3):319–22

Ventilatory capacity after three methods of anaesthesia for inguinal hernia repair: a randomized controlled trial. Godfrey PJ, et al. **Br J Surg** 1981 Aug;68(8):587–9

Pocket-sized device for measuring forced expiratory volume in one second and forced vital capacity. Chowienczyk PJ, et al. **Br Med J [Clin Res]** 1982 Jul 3;285(6334):15–7

Spirometric predicted values for teenage boys: relation to body composition and exercise performance. Palka MJ. **Bull Eur Physiopathol Respir** 1982 Jan–Feb;18(1):59–64

Decreases in VC and FEV1 with time: indicators for effects of smoking and air pollution. van der Lende R, et al. **Bull Eur Physiopathol Respir** 1981;17(5):775–92

Significance of intraindividual changes in maximum expiratory flow volume and peak expiratory flow measurements. Lebowitz MD, et al. **Chest** 1982 May; 81(5):566–70

Assessment of time–volume and flow–volume components of forced vital capacity. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography in nonsmokers and smokers. Sackner MA, et al. **Chest** 1982 Sep;82(3):272–8

Assessment of density dependent flow–volume parameters in nonsmokers and smokers. Measurement with spirometry, body plethysmography and respiratory inductive plethysmography. Sackner MA, et al. **Chest** 1982 Aug; 82(2):137–42

Computer analysis of slow vital capacity spirograms. Primiano FP Jr, et al. **Comput Biol Med** 1982;12(2):107–17

Pattern of diaphragmatic activity during forced expiratory vital capacity. Melissinos CG, et al. **J Appl Physiol** 1981 Dec;51(6):1515–25

Forced vital capacity in smokers and non–smokers. Gosawi GR, et al. **J Indian Med Assoc** 1981 Dec 16;77(12):189–91

Composite flow–volume curves matched at total lung capacity in the study of density dependence of maximal expiratory flows. Teculescu DB, et al. **Lung** 1981; 159(3):127–36

Some limitations in the use of normal value tables. Parot S. **Respiration** 1981;41(3):188–91

The value of measuring vital capacity for prognostic purposes. Kannel WB, et al. **Trans Assoc Life Insur Med Dir Am** 1980;64:66–83

Pulmonary function in Afro–Jamaicans. Implications in screening. Melville GN, et al. **West Indian Med J** 1981 Sep;30(3):119–23

[Circadian ventilation in healthy subjects and in patients with bronchial asthma (author's transl)] Erban J, et al. **Cas Lek Cesk** 1982 Apr 2;121(13):399–403 (Eng. Abstr.) **(Cze)**

[Measuring maximal expiratory flow brought to 25–75% of vital capacity, as an epidemiological method in the early detection of obstruction of peripheral airways] Amaral–Marques R, et al. **Bronchopneumologie** 1980 Nov–Dec;30(6):499–507 **(Fre)**

[The value of maximal expiratory flow brought to 25–75% of the vital capacity in the detection of obstruction in the minor airways] Wipf R. **Bronchopneumologie** 1980 Nov–Dec;30(6):485–90 **(Fre)**

[Alveolar pressure during forced vital capacity. Method and application (author's transl)] Kays C, et al. **Bull Eur Physiopathol Respir** 1982 May Jun;18(3):501–13 (Eng. Abstr.) **(Fre)**

[Longitudinal study of various morphologic and functional parameters in school children (7–11 years old)] Zamfirescu NR, et al. **Physiologie** 1981;18(3):227–33 **(Fre)**

[VC, FVC, % VC (author's transl)] Suetsugu S. **Kokyu To Junkan** 1982 May;30(5):463–4 **(Jpn)**

[Nomogram for prediction of vital capacity (author's transl)] Tsubota N. **Nippon Kyobu Shikkan Gakkai Zasshi** 1982 Jan; 20(1):105–10 (Eng. Abstr.) **(Jpn)**

STANDARDS

Racially specific reference standards for commonly performed spirometric measurements for black and white children, ages 9–18 years. Boggs PB, et al. **Ann Allergy** 1981 Oct;47(4):273–7

VITAL CAPACITY, TIMED see **FORCED EXPIRATORY VOLUME**

VITAL STATISTICS

see related
BIOMETRY
POPULATION GROWTH
RECORDS
SEX RATIO

Health services in Shanghai County; vital statistics. Gu XY, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):19–23

The continued vitality of vital statistics. Kleinman JC. **Am J Public Health** 1982 Feb;72(2):125–7

Vital and heath statistics for the US hispanic population [editorial] Trevino FM. **Am J Public Health** 1982 Sep; 72(9):979–82

Births and deaths in a London parish: the record from the registers, 1654–1693 and 1729–1743. Forbes TR. **Bull Hist Med** 1981 Fall;55(3):371–91

Morbidity versus mortality [letter] Clemmesen J, et al. **JNCI** 1982 Sep;69(3):549–50

Perinatal report — compulsory Ob–Gyn regionalization, a possibility. Field CA. **Nebr Med J** 1981 Sep;66(9):219

Annual summary of vital statistics—1980. Wegman ME. **Pediatrics** 1981 Dec;68(6):755–62

Health problems in a Swedish county—what can we learn from official sources? Eriksson CG, et al. **Soc Sci Med [C]** 1981 Sep;15C(3):143–51

A method of imputing length of gestation on birth certificates. Taffel S, et al. **Vital Health Stat [2]** 1982 May; 93:1–11

[Training of intermediate-level statistics personnel for health organizations—evolution and perspectives of the course in health statistics and medical records in Chile] Legarreta A, et al. **Bol Of Sanit Panam** 1982 Jun;92(6):473–81 (Eng. Abstr.) **(Spa)**

VITALISM

[The history of the concept of vital force] Lohff B. **Clio Med** 1981 Dec;16(2–3):101–12 (Eng. Abstr.) **(Ger)**

VITALLIUM see under **CHROMIUM ALLOYS**

VITAMIN A

Effects of detergent micelles on the recombination reaction of opsin and 11-cis-retinal. McCaslin DR, et al. **Biochemistry** 1981 Sep 1;20(18):5207–12

Effect of retinol and retinoic acid on permeability, electrical resistance and phase transition of lipid bilayers. Stillwell W, et al. **Biochim Biophys Acta** 1982 Jun 14;688(2):653–9

Changes in the protonation state of bacterio–opsin during reconstitution of bacteriorhodopsin. Fischer UC, et al. **Biophys J** 1980 Jul;31(1):139–45

Orientational changes of the absorbing dipole or retinal upon the conversion of rhodopsin to bathorhodopsin, lumirhodopsin, and isorhodopsin. Michel-Villaz M, et al. **Biophys J** 1982 Mar;37(3):603–16

N-terminal sequence homology among retinoid-binding proteins from bovine retina. Crabb JW, et al. **FEBS Lett** 1981 Jul 20;130(1):15–8

Orientations of the retinyl and the heme chromophores in the brown membrane of Halobacterium halobium. Papadopoulos GK, et al. **J Mol Biol** 1981 Oct 15; 152(1):35–47

Resonance Raman spectra of bacteriorhodopsin's primary photoproduct: evidence for a distorted 13-cis retinal chromophore. Braiman M, et al. **Proc Natl Acad Sci USA** 1982 Jan;79(2):403–7

Mediation of retinal photoisomerization by adduct formation with tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedion Ellis AB, et al. **Proc Natl Acad Sci USA** 1981 Jul; 78(7):3993–7

Attachment site(s) of retinal in bacteriorhodopsin. Katre NV, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4068–72

ADMINISTRATION & DOSAGE

Oral retinoid in combination with bleomycin, cyclophosphamide, prednisone and transfer factor in mycosis fungoides. Zachariae H, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):162–4

The effect of vitamin A fortification of sugar on iron metabolism in preschool children in Guatemala. Mejia LA, et al. **Am J Clin Nutr** 1982 Jul;36(1):87–93

Serum and intracellular retinol in the equine. Sklan D, et al. **Br J Nutr** 1982 Mar;47(2):273–80

Vitamin A delivery from parenteral alimentation solution. Shenai JP, et al. **J Pediatr** 1981 Oct;99(4):661–3

Dietary vitamin A and risk of cancer in the Western Electric study. Shekelle RB, et al. **Lancet** 1981 Nov 28; 2(8257):1186–90

Vitamin A requirement of broiler chicks in Nigeria. Ogunmodede BK. **Poult Sci** 1981 Dec;60(12):2622–7

[Effect of various doses of vitamin A on vitamin E and lipid levels in the liver and plasma of rats] Gronowska-Senger A, et al. **Rocz Panstw Zakl Hig** 1981;32(2):123–8 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

The effects of vitamin A toxicity on calcium and lipid metabolism in chronic renal failure. Miller P, et al. **Proc Eur Dial Transplant Assoc** 1981;18:573–8

[Prolonged intake of vitamin A and cirrhosis of the liver] Frøkiaer E, et al. **Ugeskr Laeger** 1981 Aug 3;143(32):2038 (Eng. Abstr.) **(Dan)**

[Vitamin A poisoning with hypercalcemia] Kjaergaard JJ, et al. **Ugeskr Laeger** 1981 Mar 16;143(12):757–8 (Eng. Abstr.) **(Dan)**

ANALOGS & DERIVATIVES

Antioxidant role of retinyl-palmitate on carbontetrachloride toxicity. Sanjeev Kumar P, et al. **Acta Vitaminol Enzymol** 1981;3(4):214–8

Evaluation of the relative dose response test for vitamin A nutriture in cirrhotics. Mobarhan S, et al. **Am J Clin Nutr** 1981 Oct;34(10):2264–70

Retinoids and the prevention of cervical dysplasias. Romney SL, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):890–4

Separation of long-chain fatty acid esters of retinol by high-performance liquid chromatography. Ross AC. **Anal Biochem** 1981 Aug;115(2):324–30

Photochemical destruction of the virucidal activities of retinoids and unsaturated fatty acids. Sands JA. **Antimicrob Agents Chemother** 1981 Nov;20(5):699–701

Stimulation of the plasminogen activator activity of human synovial fibroblasts by retinoids. Hamilton JA. **Arthritis Rheum** 1982 Apr;25(4):432–40

The rapid intermembraneous transfer of retinoids. Rando RR, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):430–6

Rat liver microsomes catalyse mannosyl transfer from GDP-D-mannose to retinyl phosphate with high efficiency in the absence of detergents. Shidoji Y, et al. **Biochem J** 1981 Dec 15;200(3):529–38

Enzymatic reduction of 11-cis-retinal bound to cellular retinal-binding protein. Saari JC, et al. **Biochim Biophys Acta** 1982 May 27;716(2):266–72

Specific photoisomerization of retinal in squid rhodopsin and metarhodopsin. Suzuki T, et al. **Biochim Biophys Acta** 1981 Jun 12;636(1):27–31

Inhibition of the pro-oxidant effects of benoxaprofen on polymorphonuclear leucocytes by retinol acetate in vitro [letter] Anderson R. **Br J Dermatol** 1982 Jul;107(1):123–4

Influence of topical and systemic retinoids on basal cell carcinoma cell membranes. Elias PM, et al. **Cancer** 1981 Aug 15;48(4):932–8
Inhibition of pancreatic carcinogenesis by retinoids in azaserine-treated rats. Longnecker DS, et al. **Cancer Res** 1982 Jan;42(1):19–24
Influence of delayed administration of retinyl acetate on mammary carcinogenesis. McCormick DL, et al. **Cancer Res** 1982 Jul;42(7):2639–43
Effect of retinyl acetate on the occurrence of ovarian hormone-responsive and -nonresponsive mammary cancers in the rat. Thompson HJ, et al. **Cancer Res** 1982 Mar;42(3):903–5
Induction of rat hepatic ornithine decarboxylase by the tumor promotors 12-O-tetradecanoylphorbol-13-acetate and phenobarbital in vivo; effect of retinyl-acetate. Bisschop A, et al. **Carcinogenesis** 1981;2(12):1283–7
Isolation of methylcholanthrene-'initiated' C3H/10T1/2 cells by inhibiting neoplastic progression with retinyl acetate. Mordan LJ, et al. **Carcinogenesis** 1982;3(3):279–85
Effect of retinoids on the induction of colon cancer in F344 rats by N-methyl-N-nitrosourea or by 1,2-dimethylhydrazine. Silverman J, et al. **Carcinogenesis** 1981;2(11):1167–72
Effects of three retinoids on colon adenocarcinomas, sarcomas and hyperplastic polyps induced by intrarectal N-methyl-N-nitrosourea administration in male F344 rats. Wenk ML, et al. **Carcinogenesis** 1981;2(11):1161–6
Liquid-chromatographic assay for retinol (vitamin A) and retinol analogs in therapeutic trials. McClean SW, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):693–6
Response of bullous congenital ichthyosiform erythroderma to high-dose vitamin A. Cooke JP, et al. **Cutis** 1982 Jan; 29(1):44–6
Effects of retinyl acetate in soluble and encapsulated forms on epidermal cell proliferation in the guinea pig. Pullmann H, et al. **Dermatologica** 1982 Apr;164(4):266–71
Teratogenic effects of vitamin A palmitate in Fischer 344 rats. Hayes WC, et al. **Drug Chem Toxicol** 1981;4(3):283–95
Dark isomerization of retinals in the presence of phosphatidylethanolamine. Groenendijk GW, et al. **Eur J Biochem** 1980 May;106(1):119–28
Regeneration of rhodopsin and bacteriorhodopsin. The role of retinal analogues as inhibitors. Towner P, et al. **Eur J Biochem** 1981 Jul;117(2):353–9
Enhancement in 'apparent' membrane microviscosity during differentiation of embryonal carcinoma cells induced by retinoids. Jetten AM, et al. **Exp Cell Res** 1982 Apr; 138(2):494–8
Structural studies on the chromophore attachment site of rhodopsin following bleaching. Findlay JB, et al. **FEBS Lett** 1982 Feb 8;138(1):67–70
The identification of Lys216 as the retinal binding residue in bacteriorhodopsin. Mullen E, et al. **FEBS Lett** 1981 Aug 3;130(2):187–93
Chemoprevention of Cancer with Retinoids. Peck GL. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S331–40
Effects of retinoic acid and other retinoids on the growth and differentiation of 3T3 supported human keratinocytes. Kubilus J, et al. **In Vitro** 1981 Sep;17(9):786–95
Interconversion of vitamin A1 & A2 in freshwater fish. Goswami BC, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):159–60
Intestinal conversion of lutein into 3-dehydroretinol in freshwater fish, Heteropneustes fossilis & Channa straitus. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Feb; 18(1):88
Distribution of retinol & dehydroretinol in freshwater fish. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Oct; 18(5):383–5
Inhibitory effect of retinoids on Epstein-Barr virus induction in Raji cells. Zeng Y, et al. **Intervirology** 1981;16(1):29–32
Oral retinoids. A workshop. May 27-29, 1981. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):573–832
The effects of retinoids on neutrophil functions in vitro. Camisa C, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):620–9
Changes in lipid metabolism during retinoid administration. Gerber LE, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):664–74
Toxicology, carcinogenicity, and teratogenicity of some orally administered retinoids. Kamm JJ. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):652–9 (24 ref.)
The influence of retinoids on cultivated human keratinocytes. McGuire J, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):630–9
Studies of retinoids in the prevention and treatment of cancer. Meyskens FL. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):824–7
Inhibition of chemical carcinogenesis by retinoids. Moon RC, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):809–14
History of retinoids. Pawson BA. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):577–82
General clinical toxicology of oral retinoids. Windhorst DB, et al. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):675–82
The site of attachment of retinal in bacteriorhodopsin. The epsilon-amino group in Lys-41 is not required for proton translocation. Huang KS, et al. **J Biol Chem** 1982 Aug 10; 257(15):8596–9
The site of attachment of retinal in bacteriorhodopsin. A resonance Raman study. Rothschild KJ, et al. **J Biol Chem** 1982 Aug 10;257(15):8592–5
Vitamin A in human skin: II Concentrations of carotene, retinol and dehydroretinol in various components of normal skin. Vahlquist A, et al. **J Invest Dermatol** 1982 Aug; 79(2):94–7
Chemical and biological studies on 5,6-epoxyretinol, retinol, and their phosphoryl esters. Bhat PV, et al. **J Lipid Res** 1981 Sep;22(7):1069–78
Effect of dietary retinyl acetate, beta-carotene and retinoic acid on wound healing in rats. Gerber LE, et al. **J Nutr** 1982 Aug;112(8):1555–64
Vitamin E response to high dietary vitamin A in the chick. Sklan D, et al. **J Nutr** 1982 Apr;112(4):759–65
Adjuvant effect of vitamin A palmitate and analogs on cell-mediated immunity. Athanassiades TJ. **JNCI** 1981 Nov;67(5):1153–6
Comparison of ovariectomy and retinyl acetate on the growth of established 7,12-dimethylbenz[a]anthracene-induced mammary tumors in the rat. Gandilhon P, et al. **JNCI** 1982 Aug;69(2):447–51
Enhancement by retinyl acetate of hormone-induced mammary tumorigenesis in female GR/A mice. Welsch CW, et al. **JNCI** 1981 Oct;67(4):935–8
Kinetics and mechanism of rhodopsin regeneration with 11-cis-retinal. Cusanovich MA. **Methods Enzymol** 1982; 81:443–7
Borane dimethylamine reduction of the retinal—opsin linkage in rhodopsin. Hall MO, et al. **Methods Enzymol** 1982; 81:290–3
Retinyl peptide isolation and characterization. Hargrave PA, et al. **Methods Enzymol** 1982;81:211–4
Photosensitivity and quantum efficiency of photoisomerization in rhodopsin and retinal. Kropf A. **Methods Enzymol** 1982;81:384–92
Fluorine-labeled retinals and rhodopsins. Liu RS, et al. **Methods Enzymol** 1982;81:694–8
Photoregeneration. Shichi H, et al. **Methods Enzymol** 1982; 81:459–63
13C NMR spectroscopy of the chromophore of rhodopsin. Shriver JW, et al. **Methods Enzymol** 1982;81:698–703
Technique for introducing retinol analogs into the isolated retina. Yoshikami S, et al. **Methods Enzymol** 1982;81:447–51
Retinyl palmitate and ascorbic acid inhibit pulmonary neoplasms in mice exposed to fiberglass dust. Morrison DG, et al. **Nutr Cancer** 1981;3(2):81–5
Retinoid-induced growth inhibition of herpesvirus-transformed marmoset lymphoblastoid cell lines. Abb J, et al. **Oncology** 1981;38(6):346–50
Chemotherapy of psoriasis and other skin disorders with oral retinoids. Tsambaos D, et al. **Pharmacol Ther** 1981; 14(3):355–74 (127 ref.)
[Antitumor and toxic properties of retinoid C15] Afanas'ev IuI, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):76–8 (Eng. Abstr.) **(Rus)**

ANALYSIS

New approaches to methods for the assessment of nutritional status of the individual. Olson JA. **Am J Clin Nutr** 1982 May;35(5 Suppl):1166–8
Vitamin A and beta-carotene content of seminal fluid and sperm of normospermic and oligozoospermic men. Singer R, et al. **Arch Androl** 1982 Feb;8(1):61–4
Absorption spectra for the complexes formed from vitamin-A and beta-lactoglobulin. Hemley R, et al. **Biophys J** 1979 Dec;28(3):447–55
Vitamin A in human semen. Virji N, et al. **Experientia** 1981 Dec 15;37(12):1267–8
Vitamin A in human eyes: amount, distribution, and composition. Bridges CD, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):706–14
Vitamin A value of sweet corn. Lee CY, et al. **J Agric Food Chem** 1981 Nov-Dec;29(6):1294–5
Simultaneous determination of vitamins A and D in a dosage forms by high pressure liquid chromatography. Santoro MI, et al. **J Assoc Off Anal Chem** 1982 May;65(3):619–23
Vitamin A in human skin: I. detection and identification of retinoids in normal epidermis. Vahlquist A. **J Invest Dermatol** 1982 Aug;79(2):89–93
Vitamin A in human skin: II Concentrations of carotene, retinol and dehydroretinol in various components of normal skin. Vahlquist A, et al. **J Invest Dermatol** 1982 Aug; 79(2):94–7
A new vaginal smear assay for vitamin A in rats. Sietsema WK, et al. **J Nutr** 1982 Aug;112(8):1481–9
Hepatic vitamin A depletion in alcoholic liver injury. Leo MA, et al. **N Engl J Med** 1982 Sep 2;307(10):597–601
[Causes of disorders affecting the hatching and viability of broiler chicks] Stoianov P, et al. **Vet Med Nauki** 1982; 19(1):47–51 (Eng. Abstr.) **(Bul)**
[Retention of several vitamins during ultra-high temperature sterilization of milk] Görner F, et al. **Nahrung** 1981; 24(8):713–8 (Eng. Abstr.) **(Ger)**
[Application of spectropolarimetry to pharmaco-analysis. IV. Spectropolarimetric determination of the active ingredient contents of vitamin D-containing oily preparations] Gergely A, et al. **Acta Pharm Hung** 1981 Jul;51(4):168–72 (Eng. Abstr.) **(Hun)**
[Natural sources of vitamin U and its retention in nutritional products] Bezzubov AA, et al. **Gig Sanit** 1981 Jun;(6):85–6 **(Rus)**

BLOOD

Serum trace elements and vitamin A in leprosy subtypes. Sher R, et al. **Am J Clin Nutr** 1981 Sep;34(9):1918–24
Darier's disease and vitamin A. Concentrations of retinoids in serum and epidermis of untreated patients. Vahlquist A, et al. **Arch Dermatol** 1982 Jun;118(6):389–92
The rapid intermembraneous transfer of retinoids. Rando RR, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):430–6
Proteins, vitamin A, carotene, folacin, ferritin and zinc in Navajo maternal and cord blood. Butte NF, et al. **Biol Neonate** 1982;41(5–6):273–8
Serum retinol and the inverse relationship between serum cholesterol and cancer [letter] Ducimetiere P, et al. **Br Med J [Clin Res]** 1982 Mar 27;284(6320):982
Serum retinol and the inverse relationship between serum cholesterol and cancer. Kark JD, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):152–4
Vitamin A toxicity and hypercalcaemia in chronic renal failure [letter] O'Fearghail M, et al. **Br Med J [Clin Res]** 1981 Oct 3;283(6296):919
Vitamin A toxicity and hypercalcaemia in chronic renal failure [letter] Stewart WK, et al. **Br Med J [Clin Res]** 1981 Oct 31;283(6300):1187–8
Plasma vitamin A in haemodialysis patients. De Bevere VO, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):249–56
Scotopic thresholds and plasma retinol in cystic fibrosis. Fulton AB, et al. **Invest Ophthalmol Vis Sci** 1982 Sep; 23(3):364–70
Vitamin status during total parenteral nutrition. Stromberg P, et al. **JPEN** 1981;5(4):295–9
Vitamin A, cardiovascular risk factors, and mortality [letter] Stähelin HB, et al. **Lancet** 1982 Feb 13;1(8268):394–5
Plasma retinol and retinol binding protein concentrations in patients on maintenance haemodialysis with and without vitamin A supplements. Stewart WK, et al. **Nephron** 1982; 30(1):15–21
Depression of serum levels of retinol and retinol binding protein during infection. **Nutr Rev** 1981 Apr;39(4):165–7
Decrease of plasma vitamin A, albumin and zinc in cadmium-treated rats. Sugawara C, et al. **Toxicol Lett** 1981 Aug;8(6):323–9
A study on the etiological factors of bilharzial bladder cancer in Egypt: 4. beta-carotene and vitamin A level in serum. El-Aaser AA, et al. **Tumori** 1982 Feb 28;68(1):19–22
[Vitamin A and psoriasis. Communication I. Blood serum value determination (author's transl)] Kašpárková V, et al. **Cesk Dermatol** 1981 Oct;56(5):322–9 (Eng. Abstr.) **(Cze)**
[Slight variations of vitamin A in blood levels and their effect on visual perception] Meyer JJ, et al. **Soz Praventivmed** 1981 Oct;26(5):310–2 (Eng. Abstr.) **(Fre)**
[Estimation of vitamin A (Retinol) and retinol-binding protein (RBP) in serum of hearing impaired children (author's transl)] Biesalski HK, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Dec;60(12):631–5 (Eng. Abstr.) **(Ger)**
[Vitamin A and carrier proteins in the serum in chronic renal insufficiency] Mydlík M, et al. **Cas Lek Cesk** 1981 Nov 12;120(45):1375–80 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Reactivity of vitamin A derivatives and analogues with vitamin A antibodies. Wirtz GH, et al. **J Lipid Res** 1981 Jul;22(5):869–71
[Effect of vitamin A on immunogenesis] Pletsityi KD, et al. **Vopr Pitan** 1982 Jan-Feb;(1):38–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Retinoid binding in normal and neoplastic mammary tissue. Moon RC, et al. **Adv Exp Med Biol** 1981;138:231–49
The zinc-retinol-thyroid interaction [letter] Cope FO. **Am J Clin Nutr** 1982 Apr;35(4):774–6
Tissue storage of vitamins A and E in rats drinking or infused with total parenteral nutrition solutions. McKenna MC, et al. **Am J Clin Nutr** 1982 May;35(5):1010–7
Effect of corticosterone on the plasma and tissue concentrations of vitamin A in rats. Atukorala TM, et al. **Ann Nutr Metab** 1981;25(4):234–8
Association of cellular retinol-binding protein and several lipid hydrolase activities with a vitamin A-containing high-molecular-weight lipid-protein aggregate from rat liver cytosol. Sklan D, et al. **Arch Biochem Biophys** 1982 Mar;214(1):35–44
A survey of human liver reserves of retinol in London. Huque T. **Br J Nutr** 1982 Mar;47(2):165–72
Redistribution of vitamin A in tissues of rats with imposed chronic confinement stress. Nakano K, et al. **Br J Nutr** 1982 May;47(3):645–52
Serum and intracellular retinol in the equine. Sklan D, et al. **Br J Nutr** 1982 Mar;47(2):273–80
Skin content and plasma transport of vitamin A and beta-carotene in chronic renal failure. Vahlquist A, et al. **Eur J Clin Invest** 1982 Feb;12(1):63–7
Effects of vitamin A deficiency on [3H]retinoid binding to cellular retinoid-binding proteins in rabbit cornea and conjunctiva. Wiggert B, et al. **Exp Eye Res** 1982 May; 34(5):695–702
The influence of aging on intestinal absorption of vitamins A and D by the rat. Fleming BB, et al. **Exp Gerontol** 1982; 17(2):115–20
Liver and cellular vitamin A binding proteins. Chytil F.

Hepatology 1982 Mar–Apr;2(2):282–? (82 ref.)
Interconversion of vitamin A1 & A2 in freshwater fish. Goswami BC, et al. **Indian J Biochem Biophys** 1981 Apr; 18(2):159–60
Distribution of retinol & dehydroretinol in freshwater fish. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Oct; 18(5):383–5
Vitamin and alcoholism. IX. Vitamin A. Bonjour JP. **Int J Vitam Nutr Res** 1981;51(2):166–77 (51 ref.)
Assessment of vitamin A status by an isotope dilution method. Huque T. **Int J Vitam Nutr Res** 1981;51(2):119–23
Studies on mannosyl carrier function of retinol and retinoic acid in epithelial and mesenchymal tissues. De Luca LM. **J Am Acad Dermatol** 1982 Apr;6(4 Pt 2 Suppl):611–9
Liver vitamin A slow release syndrome in cattle with a multiple nutrient imbalance. Geurin HB. **J Anim Sci** 1981 Sep;53(3):758–64
Vitamin A profiles of equine serum and milk. Stowe HD. **J Anim Sci** 1982 Jan;54(1):76–81
Identification of 5,6-epoxyretinoic acid as an endogenous retinol metabolite. McCormick AM, et al. **J Biol Chem** 1982 Feb 25;257(4):1730–5
Retinol esterification by rat liver microsomes. Evidence for a fatty acyl coenzyme A: retinol acyltransferase. Ross AC. **J Biol Chem** 1982 Mar 10;257(5):2453–9
Effect of retinol status on retinol-binding protein biosynthesis rate and translatable messenger RNA level in rat liver. Soprano DR, et al. **J Biol Chem** 1982 Jul 10;257(13):7693–7
Interaction of the retinol/cellular retinol-binding protein complex with isolated nuclei and nuclear components. Liau G, et al. **J Cell Biol** 1981 Oct;91(1):63–8
Retinol esterification in lamb kidney. Donoghue S, et al. **J Dairy Sci** 1981 Dec;64(12):2419–21
Effect of oral contraceptive use on ascorbic acid and vitamin A in lactation. Cumming FJ. **J Hum Nutr** 1981 Aug; 35(4):249–56
Chemical and biological studies on 5,6-epoxyretinol, retinol, and their phosphoryl esters. Bhat PV, et al. **J Lipid Res** 1981 Sep;22(7):1069–78
Retinol esterification by mammary gland microsomes from the lactating rat. Ross AC. **J Lipid Res** 1982 Jan; 23(1):133–44
Ion-pair high-pressure liquid chromatography of cis-trans isomers of retinoic acid in tissues of vitamin A-sufficient rats. Sundaresan PR, et al. **J Lipid Res** 1982 Mar; 23(3):448–55
Effect of chronic immobilization stress on tissue distribution of vitamin A in rats fed a diet with adequate vitamin A. Morita A, et al. **J Nutr** 1982 Apr;112(4):789–95
Hepatic vitamin A depletion after chronic ethanol consumption in baboons and rats. Sato M, et al. **J Nutr** 1981 Nov;111(11):2015–23
Changes in vitamin A status after acute ethanol administration in the rat. Sato M, et al. **J Nutr** 1982 Jun; 112(6):1188–96
Vitamin A and E requirements during total parenteral nutrition. Kishi H, et al. **JPEN** 1981 Sep–Oct;5(5):420–3
Measurement of the vitamin A cycle. Bridges CD, et al. **Methods Enzymol** 1982;81:463–85
Preparation of bovine rod outer segment membranes capable of regenerating visual pigment with added 11-cis-Retinol. Sack RA. **Methods Enzymol** 1982;81:506–9
Vitamin A storing cell. Yamada E. **Methods Enzymol** 1982; 81:834–9
Inherited retinal dystrophy in RCS rats: a deficiency in vitamin A esterification in pigment epithelium. Berman ER, et al. **Nature** 1981 Sep 17–23;293(5829):217–20
Interphotoreceptor retinol-binding proteins: possible transport vehicles between compartments of the retina. Lai YL, et al. **Nature** 1982 Aug 26;298(5877):848–9
Turnover and recycling of vitamin A in vitamin A–deficient and sufficient rats. **Nutr Rev** 1982 Mar;40(3):87–8 (3 ref.)
Effect of growth hormone on vitamin A storage and release. **Nutr Rev** 1981 Mar;39(3):139–40
The metabolism of the fat-soluble vitamins. Olson JA. **Prog Clin Biol Res** 1981;77:137–46
Absorption mechanisms for fat-soluble vitamins and the effect of other food constituents. Weber F. **Prog Clin Biol Res** 1981;77:119–35 (55 ref.)
Vitamin A concentration in food and cytogenetic effects of ethanol in the Norway rat. Eriksson K, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):429–38
Retinol, onchocerciasis and Onchocerca volvulus [letter] Sturchler D, et al. **Trans R Soc Trop Med Hyg** 1981; 75(4):617
[The effect of long-term vitamin C deficiency on the metabolism of fat-soluble vitamins A and E in guinea pigs] Hrubá F, et al. **Cesk Gastroenterol Vyz** 1981 Aug; 35(6):292–8 (Eng. Abstr.) **(Cze)**
[Little known effects of vitamin A] Ferrando R. **Bull Acad Natl Med (Paris)** 1981 Apr;165(4):503–10 (Eng. Abstr.) **(Fre)**
[Vitamin A requirement of fattening turkeys. 1. Vitamin A requirement of fattening turkeys under conditions of intensive rearing on the ground] Prinz M, et al. **Arch Tierernahr** 1981 Jul;31(7–8):519–26 (Eng. Abstr.) **(Ger)**
[Recent findings on the importance of vitamin A and its metabolism in man and laboratory animals] Kolb E. **Z Gesamte Inn Med** 1981 Dec 1;36(23):897–902 (39 ref.) (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effect of methylprednisolone and vitamin A on wound healing. I. Salmela K, et al. **Acta Chir Scand** 1981; 147(5):307–12
The effect of methylprednisolone and vitamin A on wound healing. II. Salmela K. **Acta Chir Scand** 1981;147(5):313–5
Ovarian and uterine lipids of rats administered excess vitamin A. Rao DN, et al. **Acta Vitaminol Enzymol** 1981;3(1):3–7
Molecular species of phosphatidyl choline and phosphatidyl ethanolamine in heart of rats given excess vitamin A. Setty OH, et al. **Acta Vitaminol Enzymol** 1981;3(2):71–4
Retinol (vitamin A) as a modifier of 2-aminofluorene and 2-acetyl-aminofluorene mutagenesis in the Salmonella/microsome assay. Busk L, et al. **Arch Toxicol** 1982 Jan;49(2):169–74
The influence of vitamin A on epithelial Langerhans' cells of murine buccal and vaginal mucosae. Hosking AR. **Aust Dent J** 1981 Jun;26(3):175–7
Evidence for the retinoid control of urothelial alkaline phosphatase. Reese DH, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):322–7
Effect of excessive vitamin A intake on muscle protein turnover in the rat. Hillgartner FB, et al. **Biochem J** 1982 Feb 15;202(2):499–508
Plasma membrane changes of liver and Morris hepatoma induced by retinol in rats. Büchsel R, et al. **Cancer Res** 1982 Jun;42(6):2450–6
Retinol (vitamin A) inhibits sister chromatid exchanges and cell cycle delay induced by cyclophosphamide and aflatoxin B1 in Chinese hamster V79 cells. Huang CC, et al. **Carcinogenesis** 1982;3(1):1–5
Lack of intracellular retinoid-binding proteins in a retinol-sensitive cell line. Libby PR, et al. **Carcinogenesis** 1982;3(5):481–4
Correlation between retinoid inhibition of N-methyl-N-nitrosourea-induced mammary carcinogenesis and levels of retinoic acid binding proteins. Mehta RG, et al. **Carcinogenesis** 1982;3(1):89–91
Regulation of terminal differentiation of cultured human keratinocytes by vitamin A. Fuchs E, et al. **Cell** 1981 Sep; 25(3):617–25
Influence of CW microwave radiation on in vitro release of enzymes from retinol- treated hepatic lysosomes. Galvin MJ, et al. **Cell Biophys** 1981 Jun;3(2):175–86
Effects of dietary vitamin A (retinol) on the reduction of hepatic retinol storage caused by 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin. Thunberg T, et al. **Dev Toxicol Environ Sci** 1980;8:521–4
Vitamin A effects on hepatic Golgi apparatus architecture. Morré DM, et al. **Eur J Cell Biol** 1981 Aug;25(1):28–35
Retinol and retinoic acid modulate the metabolism of 25-hydroxyvitamin D3 in kidney cell culture. Trechsel U, et al. **FEBS Lett** 1981 Nov 30;135(1):115–8
Interferon-induced changes in the monocyte membrane: inhibition by retinol and retinoic acid. Rhodes J, et al. **Immunology** 1982 Mar;45(3):531–6
Effects of retinoic acid and other retinoids on the growth and differentiation of 3T3 supported human keratinocytes. Kubilus J, et al. **In Vitro** 1981 Sep;17(9):786–95
Interaction of putrescine and vitamin A on hepatic mitochondrial lipids of rat. Chandra R, et al. **Int J Vitam Nutr Res** 1982;52(1):60–2
Effect of heparin on vitamin A induced hyperlipidemia in rats. Setty OH, et al. **Int J Vitam Nutr Res** 1981; 51(4):325–30
Inhibitory effect of retinoids on Epstein-Barr virus induction in Raji cells. Zeng Y, et al. **Intervirology** 1981;16(1):29–32
Growth stimulation of bovine endothelial cells by vitamin A. Melnykovych G, et al. **J Cell Physiol** 1981 Nov; 109(2):265–70
Proteoglycan synthesis by sternal chondrocytes perturbed with vitamin A. Vasan NS. **J Embryol Exp Morphol** 1981 Jun;63:181–91
Enhancement of histidine and one-carbon metabolism in rats fed high levels of retinol. Fell D, et al. **J Nutr** 1982 Mar; 112(3):474–9
Effect of vitamin A compounds on the covalent binding of benzo(a)pyrene to nuclear macromolecules. Nomi S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(1):33–41
Variation in sialic acid concentration in gingival tissue from rats receiving excess vitamin A. de Paiva YA, et al. **J Periodont Res** 1982 Mar;17(2):191–5
The effects of retinol (vitamin A alcohol) and various non-ionic detergents on he surfaces of schistosomula and adult Schistosoma mansoni. Kusel JR, et al. **Mol Biochem Parasitol** 1982 Mar;5(3):147–63
Restoration by cyclic AMP of the differentiated phenotype of chondrocytes from de-differentiated cells pretreated with retinoids. Takigawa M, et al. **Mol Cell Biochem** 1982 Feb 19;42(3):145–53
Effects of retinoids on plating efficiency, sister-chromatid exchange (SCE) and mitomycin-C-induced SCE in cultured Chinese hamster cells. Sirianni SR, et al. **Mutat Res** 1981 Oct;90(2):175–82
Vitamin A, limb patterns and the search for the positional code [news] Cooke J. **Nature** 1982 Apr 15;296(5858):603–5
Vitamin A and pattern formation in the regenerating limb. Maden M. **Nature** 1982 Feb 25;295(5851):672–5
Retinoids, urinary bladder carcinogenesis, and chemoprevention: a review and synthesis. Lower GM Jr, et al. **Nutr Cancer** 1981;3(2):109–15 (55 ref.)
Retinoids increase transglutaminase activity and inhibit ornithine decarboxylase activity in Chinese hamster ovary cells and in melanoma cells stimulated to differentiate. Scott KF, et al. **Proc Natl Acad Sci USA** 1982 Jul;79(13):4093–7
Effects of vitamins A, D3, E, and C on the characteristics of bull semen. Kozicki L, et al. **Zentralbl Veterinarmed** [A] 1981;28(7):538–46
[The effects of vitamin A on carcinoma of portio cervicis in organ culture] Gulinati AM, et al. **Boll Soc Ital Biol Sper** 1981 Apr 15;57(7):810–4 (Eng. Abstr.) **(Ita)**
[Effect of more modern drugs on corneal epithelium regeneration (author's transl)] Zygulska-Machowa H, et al. **Klin Oczna** 1981 Oct–Dec;83(10–12):505–7 (Eng. Abstr.) **(Pol)**
[Vitamin A and NADP-dependent isocitrate dehydrogenase: difference in activity of mitochondrial and cytoplasmic isoenzyme fractions] Kon' IIa, et al. **Biokhimiia** 1981 May; 46(5):789–96 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Intracellular retinol-binding protein and keratin messenger-RNA: evidence for a nuclear function of vitamin A. **Nutr Rev** 1982 May;40(5):154–7 (5 ref.)
Nutrition classics. Proceeding of the National Academy of Sciences of the United States of America, Volume 46, 1960: The biological function of vitamin A acid: John E. Dowling and George Wald. Dowling JE, et al. **Nutr Rev** 1981 Mar; 39(3):134–8
Segregation of vitamin A1 and vitamin A2 cone pigments in the bullfrog retina. Semple-Rowland SL, et al. **Vision Res** 1981;21(6):825–8
[Recent topics on fat-soluble vitamins—with special reference to vitamin A, D and K— (author's transl)] Moriuchi S. **Rinsho Byori** 1981 Jun;29(6):569–75 (28 ref.) **(Jpn)**

POISONING

Toxicity of 25,000 IU vitamin A supplements in 'health' food users [editorial] Herbert V. **Am J Clin Nutr** 1982 Jul; 36(1):185–6
Vitamin A toxicity [letter] Wason S, et al. **Am J Dis Child** 1982 Feb;136(2):174
Vitamin A toxicity and hypercalcemia. Ragavan VV, et al. **Am J Med Sci** 1982 May–Jun;283(3):161–4
Pleural effusion and ascites: unusual presenting features in a pediatric patient with vitamin A intoxication. Rosenberg HK, et al. **Clin Pediatr (Phila)** 1982 Jul;21(7):435–40
Protein-calorie deficiency and vitamin indiscretion in an atopic child who developed hypervitaminosis A. Silverman SH, et al. **Clin Pediatr (Phila)** 1982 Mar;21(3):172–4
Hypervitaminosis A unmasked by acute viral hepatitis. Hatoff DE, et al. **Gastroenterology** 1982 Jan;82(1):124–8
Reversible hepatotoxicity associated with hepatic vitamin A accumulation in a protein-deficient patient. Weber FL Jr, et al. **Gastroenterology** 1982 Jan;82(1):118–23
Protracted hypervitaminosis A following long-term, low-level intake. Farris WA, et al. **JAMA** 1982 Mar 5; 247(9):1317
Hypervitaminosis A: a case report. James MB, et al. **Pediatrics** 1982 Jan;69(1):112–5
[Morphometric study of the reversibility of changes in the parotid gland in rats subjected to hypervitaminosis A] Lopes RA, et al. **Int J Vitam Nutr Res** 1982;52(1):104–5 **(Fre)**
[Pseudotumor cerebri caused by chronic vitamin A poisoning] Turck D, et al. **Lille Med** 1981 Apr–May; 26(4–5):173–4 **(Fre)**

THERAPEUTIC USE

Goblet cell response to vitamin A treatment for corneal xerophthalmia. Sommer A, et al. **Am J Ophthalmol** 1982 Aug;94(2):213–5
Retinoids as chemopreventive and anticancer agents intact animals (review). Hill DL, et al. **Anticancer Res** 1982 Jan–Apr;2(1–2):111–24 (137 ref.)
Bitot's spots responsive and nonresponsive to vitamin A. Clinicopathologic correlations. Sommer A, et al. **Arch Ophthalmol** 1981 Nov;99(11):2014–27
Protein deficiency and treatment of xerophthalmia. Sommer A, et al. **Arch Ophthalmol** 1982 May;100(5):785–7
Present and future use of retinoids in Australia. Henderson JM. **Australas J Dermatol** 1981 Aug;22(2):59–63
Protective value of diphenylhydantoin and vitamin A against stress ulcer. Tassé DP. **Can J Surg** 1982 Mar;25(2):194–5
Chemoprevention of mammary tumorigenesis by a combined regimen of selenium and vitamin A. Ip C, et al. **Carcinogenesis** 1981;2(9):915–8
Enhancement of the antitumor effect of 6-mercaptopurine by vitamin A. Akiyama S, et al. **Gan** 1981 Oct;72(5):742–6
Vitamin A and zinc therapy in primary biliary cirrhosis. Herlong HF, et al. **Hepatology** 1981 Jul–Aug;1(4):348–51
Synergism of vitamins A and E in acne vulgaris [letter] Ayres S Jr, et al. **Int J Dermatol** 1981 Nov;20(9):616
Combined treatments with vitamin A and 5-fluorouracil and the growth of allotransplantable and syngeneic tumors in mice. Tomita Y, et al. **JNCI** 1982 May;68(5):823–7
Vitamin A inhibits some aspects of systemic disease due to local x-radiation. Seifter E, et al. **JPEN** 1981;5(4):288–94
Degree of bronchial metaplasia in heavy smokers and its regression after treatment with a retinoid. Gouveia J, et al. **Lancet** 1982 Mar 27;1(8274):710–2

Plasma retinol and retinol binding protein concentrations in patients on maintenance haemodialysis with and without vitamin A supplements. Stewart WK, et al. **Nephron** 1982; 30(1):15–21

Pharmacy update: fat soluble vitamins. Part 3. Elmer G. **Nurse Pract** 1982 Jan;7(1):38–40, 50

[Vitamin A and psoriasis. Communication II. Vitamin A treatment in psoriasis (author's transl)] Burda V, et al. **Cesk Dermatol** 1981 Oct;56(5):330–4 (Eng. Abstr.) **(Cze)**

[Current status of the treatment with retinoids] van der Rhee HJ. **Ned Tijdschr Geneeskd** 1982 Apr 10;126(15):673–8 **(Dut)**

[Immunologic stimulation with vitamin A in advanced cervix cancer] Kucera H, et al. **Fortschr Med** 1982 Apr 29; 100(16):760–3 (Eng. Abstr.) **(Ger)**

[The value of vitamin A and vitamin A derivatives (retinoids) in oncologic therapy] Weber W, et al. **MMW** 1982 Jan 15;124(2):29–31 **(Ger)**

[Action of retinoids on the skin and their use in dermatology] Pigatto PD. **Acta Vitaminol Enzymol** 1981;3(4):253–60 **(Ita)**

[Role of retinoids in cancer prevention and chemotherapy] Koziorowska J. **Postepy Hig Med Dosw** 1980;34(4):273–86 (84 ref.) (Eng. Abstr.) **(Pol)**

[Effect of the ingestion of sugar fortified with vitamin A (50UI/g) in the prevention of vitamin A deficiency] Borges EL, et al. **AMB** 1981 Aug;27(8):234–6 (Eng. Abstr.) **(Por)**

TOXICITY

Malformations of the eye resulting from maternal hypervitaminosis A during gestation in the rat. Padmanabhan R, et al. **Acta Anat (Basel)** 1981;110(4):291–8

Nutritional problems in cats: taurine deficiency and vitamin A excess. Hayes KC. **Can Vet J** 1982 Jan;23(1):2–5 (28 ref.)

Growth inhibition and occurrence of cleft palates due to hypervitaminosis A. Pick JB, et al. **Experientia** 1981 Nov 15;37(11):1189–91

Hepatotoxicity of vitamin A and ethanol in the rat. Leo MA, et al. **Gastroenterology** 1982 Feb;82(2):194–205

A lethal hypervitaminosis A syndrome in young monkeys (Macacus fascicularis) following a single intramuscular dose of a water-miscible preparation containing vitamins A, D2 and E. Macapinlac MP, et al. **Int J Vitam Nutr Res** 1981;51(4):331–41

Teratogenic effects of hypervitaminosis A: an experimental study. Sabet S, et al. **J Egypt Public Health Assoc** 1980; 55(1–2):97–103

The curly-tail mouse: an experimental model for human neural tube defects. Seller MJ, et al. **Life Sci** 1981 Oct 19;29(16):1607–15 (21 ref.)

A possible case of hypervitaminosis A in Homo erectus. Walker A, et al. **Nature** 1982 Mar 18;296(5854):248–50

Optical and ultrastructural pathology of vitamin A pretreated hamster cheek pouch—exposed to lime ($Ca(OH)_2$) and tobacco over total life span. Kandarkar SV, et al. **Neoplasma** 1981;28(6):729–37

Ultrasonic vocalizations as diagnostic tools in studies of developmental toxicity: an investigation of the effects of hypervitaminosis A. Adams J. **Neurobehav Toxicol Teratol** 1982 May–Jun;4(3):299–304

Effects of vitamin A on endocardial cushion development in the mouse heart. Davis LA, et al. **Teratology** 1981 Oct; 24(2):139–48

VITAMIN A ACID see **TRETINOIN**

VITAMIN A DEFICIENCY

see related
NYCTALOPIA
XEROPHTHALMIA

Vitamin A deficiency [editorial] Ibrahim K. **JPMA** 1981 Jun; 31(6):120–1

[Vitamin A deficiency in institutionalized preschool children in the capital of the State of São Paulo, Brazil] Wilson D, et al. **Rev Saude Publica** 1981 Aug;15(4):395–400 (Eng. Abstr.) **(Por)**

BLOOD

Effect of vitamin A deficiency on glycosylation of rat serum alpha 1-macroglobulin. Kiorpes TC, et al. **J Nutr** 1981 Dec;111(12):2059–68

COMPLICATIONS

A-beta-lipoproteinaemia. Ocular involvement in a Danish case. Ehlers N, et al. **Acta Ophthalmol (Copenh)** 1981 Oct; 59(5):747–55

Dietary practices and xerophthalmia among Indonesian children. Tarwotjo I, et al. **Am J Clin Nutr** 1982 Mar; 35(3):574–81

The influence of chronic vitamin A deficiency on human and animal ears. Löhle E. **Arch Otorhinolaryngol** 1982; 234(2):167–73

Malnutrition and corneal blindness. Dhanda RP. **Indian J Ophthalmol** 1981 Dec;29(4):477–8

Incidence of xerophthalmia in Assam. Dutta LC, et al. **Indian J Ophthalmol** 1981 Dec;29(4):473–5

Relative significance of protein calorie malnutrition and vitamin A and carotene level in the etiology of xerophthalmia in Indian children. Jain MR, et al. **Indian J Ophthalmol** 1981 Dec;29(4):467–72

Hypovitaminosis A associated with helminth infestations. Roy IS, et al. **Indian J Ophthalmol** 1981 Dec;29(4):485–8

A note on the role of dietary retinol and carotene in human gastro-intestinal cancer. Modan B, et al. **Int J Cancer** 1981 Oct 15;28(4):421–4

Epithelial abrasion precipitates stromal ulceration in the vitamin A–deficient rat cornea. Sendele DD, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):64–72

Multiple sclerosis and infants fed on diets deficient in vitamin A or in selenium and vitamin E. Warren TR. **Med Hypotheses** 1982 May;8(5):443–54

Stomach ulcers in vitamin A–deficient Syrian golden hamsters. Harada T, et al. **Nippon Juigaku Zasshi** 1982 Apr; 44(2):267–74

DIAGNOSIS

Evaluation of the relative dose response test for vitamin A nutriture in cirrhotics. Mobarhan S, et al. **Am J Clin Nutr** 1981 Oct;34(10):2264–70

Conjunctival appearance in corneal xerophthalmia. Sommer A. **Arch Ophthalmol** 1982 Jun;100(6):951–2

DRUG THERAPY

Bitot's spots responsive and nonresponsive to vitamin A. Clinicopathologic correlations. Sommer A, et al. **Arch Ophthalmol** 1981 Nov;99(11):2014–27

Vitamin A and zinc therapy in primary biliary cirrhosis. Berlong HF, et al. **Hepatology** 1981 Jul–Aug;1(4):348–51

A new vaginal smear assay for vitamin A in rats. Sietsema WK, et al. **J Nutr** 1982 Aug;112(8):1481–9

The biological activity of retinotaurine. Skare KL, et al. **J Nutr** 1982 Aug;112(8):1626–30

Pharmacy update: fat soluble vitamins. Part 3. Elmer G. **Nurse Pract** 1982 Jan;7(1):38–40, 50

ENZYMOLOGY

A comparison between the enzymes in the cornea of the vitamin-A deficient rat and those of rat leucocytes. Leonard MC, et al. **Exp Eye Res** 1981 Nov;33(5):479–95

Studies on the source and release of collagenase in thermally burned corneas of vitamin A–deficient and control rats. Seng WL, et al. **Invest Ophthalmol Vis Sci** 1982 Jan; 22(1):62–72

ETIOLOGY

Fat-soluble vitamin deficiencies in children in relation to protein energy malnutrition and environmental stress. Reddy V. **Prog Clin Biol Res** 1981;77:109–17

[Vitamin A deficiency in ditseases of the biliary tract in children and is correction] Gracheva AG, et al. **Pediatriia** 1982 May;(5):19–20 **(Rus)**

IMMUNOLOGY

Humoral immune response in vitamin A deficient children. Kutty PM, et al. **Acta Vitaminol Enzymol** 1981;3(4):231–5

Impaired intestinal localization of mesenteric lymphoblasts associated with vitamin A deficiency and protein-calorie malnutrition. McDermott MR, et al. **Immunology** 1982 Jan; 45(1):1–5

METABOLISM

Peripheral metabolism of thyroid hormones in vitamin A–deficient rats. Higueret P, et al. **Ann Nutr Metab** 1982; 26(3):191–200

Metabolism of 5,6-epoxyretinoic acid in vivo: isolation of a major intestinal metabolite. Napoli JL, et al. **Biochemistry** 1982 Apr 13;21(8):1942–9

Tissue dependence of retinoic acid metabolism in vivo. Napoli JL, et al. **Biochim Biophys Acta** 1981 Oct 23; 666(1):165–75

Studies on skin and urinary mucopolysaccharides in malnourished/vitamin A deficient children. Latif KA, et al. **Clin Chim Acta** 1982 Jul 15;122(3):317–25

Effects of vitamin A deficiency on [3H]retinoid binding to cellular retinoid-binding proteins in rabbit cornea and conjunctiva. Wiggert B, et al. **Exp Eye Res** 1982 May; 34(5):695–702

Vitamin E deficiency and photosensitization of electron-transport carriers in microsomes. Quintanilha AT, et al. **FEBS Lett** 1982 Mar 22;139(2):241–4

Effect of retinol status on retinol-binding protein biosynthesis rate and translatable messenger RNA level in rat liver. Soprano DR, et al. **J Biol Chem** 1982 Jul 10;257(13):7693–7

Turnover and recycling of vitamin A in vitamin A–deficient and sufficient rats. **Nutr Rev** 1982 Mar;40(3):87–8 (3 ref.)

OCCURRENCE

Xerophthalmia: a review of hospital out-patient records. Demeke T, et al. **Ethiop Med J** 1982 Jan;20(1):15–20

The prevalence and possible causes of fat-soluble vitamin deficiencies in the world. McLaren DS. **Prog Clin Biol Res** 1981;77:99–107

[Hypovitaminosis A in communities of the State of São Paulo, Brazil] Roncada MJ, et al. **Rev Saude Publica** 1981 Jun; 15(3):338–49 (Eng. Abstr.) **(Por)**

PATHOLOGY

Clinicohistopathologic correlations in xerophthalmic ulceration and necrosis. Sommer A, et al. **Arch Ophthalmol** 1982 Jun;100(6):953–63

The influence of a chronic vitamin A deficiency on the rat cochlea. Bichler E, et al. **Arch Otorhinolaryngol** 1982; 234(2):175–9

Intrinsic, light-independent, regional differences in photoreceptor cell degeneration in vitamin A–deficient rat retinas. Carter-Dawson L, et al. **Invest Ophthalmol Vis Sci** 1982 Feb;22(2):249–52

PHYSIOPATHOLOGY

Effect of vitamin A deficient diet on the spermatogenesis and plasma testosterone. Kalla NR. **Acta Eur Fertil** 1981 Sep;12(3):249–53

Tear production in vitamin A–responsive xerophthalmia. Sommer A, et al. **Am J Ophthalmol** 1982 Jan;93(1):84–7

Sensitivity of touch corpuscles in vitamin A–deficient rats. Hamann WC, et al. **Q J Exp Physiol** 1982 Apr;67(2):281–6

PREVENTION & CONTROL

Control of vitamin A deficiency and xerophthalmia. **WHO Tech Rep Ser** 1982;672:1–70

[Effect of the ingestion of sugar fortified with vitamin A (50UI/g) in the prevention of vitamin A deficiency] Borges EL, et al. **AMB** 1981 Aug;27(8):234–6 (Eng. Abstr.) **(Por)**

VETERINARY

Liver vitamin A slow release syndrome in cattle with a multiple nutrient imbalance. Geurin HB. **J Anim Sci** 1981 Sep;53(3):758–64

Reduced vitamin a levels of chicks fed anaerobically digested sewage sludge. Kienholz EW, et al. **Poult Sci** 1981 Apr; 60(4):884–6

Vitamin A deficiency in pigeons. Tudor DC. **VM SAC** 1982 Jan;77(1):88–9

VITAMIN B 1 see **THIAMINE**

VITAMIN B 2 see **RIBOFLAVIN**

VITAMIN B 6 see **PYRIDOXINE**

VITAMIN B 12

ADMINISTRATION & DOSAGE

Evidence regarding the minimal daily requirement of dietary vitamin B12. Baker SJ, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2423–33

Oral crystalline cyanocobalamin available [letter] Lacroce V. **Arch Intern Med** 1981 Oct;141(11):1558

Influence of vitamins C and B12 on the survival rate of mice bearing ascites tumor. Poydock ME, et al. **Exp Cell Biol** 1982;50(2):88–91

Evaluation of megadose vitamin therapy in an experimental brain tumor. Newell SD Jr, et al. **Surg Neurol** 1981 Aug; 16(2):161–4

[Use of vitamin B12 in the combined therapy of viral hepatitis] Komar VI. **Vopr Pitan** 1982 Jan–Feb;(1):26–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Cyanocobalamin and cyanide toxicity [letter] Sawyer DR. **Am Fam Physician** 1982 Jul;26(1):48, 50, 55

Cheilitis and cobalt allergy related to ingestion of vitamin B12. Price ML, et al. **Contact Dermatitis** 1981 Nov;7(6):352

ANALOGS & DERIVATIVES

Involvement of mercury methylation in microbial mercury detoxication. Pan-Hou HS, et al. **Arch Microbiol** 1982 Mar; 131(2):176–7

Carbon-13 nuclear magnetic resonance studies of cyanocobalamin and several of its analogues. Anton DL, et al. **Biochemistry** 1982 May 11;21(10):2372–8

Demonstration of vitamin B12 analogues in human sera not detected by microbiological assay. Chanarin I, et al. **Br J Haematol** 1982 May;51(1):171–3

In vivo effect of methylcobalamin on the peripheral nerve structure in streptozotocin diabetic rats. Yagihashi S, et al. **Horm Metab Res** 1982 Jan;14(1):10–3

Effects of methyl-B12 on the in vitro immune functions of human T lymphocytes. Sakane T, et al. **J Clin Immunol** 1982 Apr;2(2):101–9

Synthesis and biological activity of a profluorescent analogue of coenzyme B12. Rosendahl MS, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(11):3480–4

The effect of methylcobalamin on the toxicity of methylmercury and mercuric chloride on nervous tissue in culture. Kasuya M. **Toxicol Lett** 1980 Nov;7(1):87–93

[Immunomodulating activity of methyl-B12 for the in vitro human T cell functions (author's transl)] Sakane T, et al. Arerugi 1981 May;30(5):244–51 (Eng. Abstr.) **(Jpn)**

[Effect of methylcobalamin (CH3-B12) on the growth and differentiation of cultured neural retinal cells of chicken embryos (author's transl)] Araki M, et al. **No To Shinkei** 1981 Aug;33(8):795–800 (Eng. Abstr.) **(Jpn)**

[Methylcobalamin-dependent enzymatic methylation of DNA in a cell-free extract of Propionibacterium shermanii] Antoshkina NV, et al. **Mikrobiologiia** 1981 Jul-Aug; 50(4):631-5 (Eng. Abstr.) **(Rus)**

[Modifying action of cobalamins on the processes of tumor growth] Miasishcheva NV, et al. **Vestn Akad Med Nauk SSSR** 1981;(7):24-31 (Eng. Abstr.) **(Rus)**

ANALYSIS

The content, binding, and forms of vitamin B12 in milk. Sandberg DP, et al. **Am J Clin Nutr** 1981 Sep;34(9):1717-24

Rapid analysis of cobalamin coenzymes and related corrinoid analogs by high-performance liquid chromatography. Jacobsen DW, et al. **Anal Biochem** 1982 Mar 1; 120(2):394-403

Separation and determination of Ca folinate, thiamine monophosphate phosphate salt, pyridoxine and cyanocobalamin by column chromatography. Ballerini R, et al. **Farmaco [Prat]** 1982 Jun;37(6):206-11

Radioisotope dilution technique for determination of vitamin B12 in foods. Casey PJ, et al. **J Assoc Off Anal Chem** 1982 Jan;65(1):85-8

Annual changes of vitamin B1, biotin and vitamin B12 in water in Lake Biwa. Kurata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):301-9

Radioassay of vitamin B12 and other corrinoids. Pratt JJ, et al. **Methods Enzymol** 1982;84 Pt D:369-406 (184 ref.)

Multivitamin/mineral food supplements containing vitamin B12 may also contain analogues of vitamin B12 [letter] Herbert V, et al. **N Engl J Med** 1982 Jul 22;307(4):255-6

A study of the true competitive protein binding of current vitamin B12 radioassays. Brown RD, et al. **Pathology** 1982 Jan;14(1):31-6

[Methods of determination of vitamin B 12] Scandurra R, et al. **Acta Vitaminol Enzymol** 1981;3(4):205-13 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Changes in tissue folates accompanying nitrous oxide-induced inactivation of vitamin B12 in the rat. Lumb M, et al. **Am J Clin Nutr** 1981 Nov;34(11):2412-7

Recovery of tissue folates after inactivation of cobalamin by nitrous oxide. The significance of dietary folate. Lumb M, et al. **Am J Clin Nutr** 1981 Nov;34(11):2418-22

The effect of nitrous oxide-induced inactivation of vitamin B12 on thymidylate synthetase activity of rat bone marrow cells. Deacon R, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):215-8

Urinary folate loss following inactivation of vitamin B12 by nitrous oxide in rats. Lumb M, et al. **Br J Haematol** 1982 Jun;51(2):235-42

BIOSYNTHESIS

Succinylacetone pyrrole, a powerful inhibitor of vitamin B12 biosynthesis: effect of delta-aminolevulinic acid dehydratase. Brumm PJ, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):854-9

The role of 4,5-dioxovaleric acid in porphyrin and vitamin B12 formation by clostridia. Brumm PJ, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):814-22

Biosynthesis of vitamin B-12. Part I. Role of the ribosomal proteins in vitamin B-12 biosynthesis. Pezacka E, et al. **Biochim Biophys Acta** 1981 Dec 18;678(3):300-15

Biosynthesis of vitamin B12 in anaerobic bacteria. Mode of incorporation of glycine into the 5,6-dimethylbenzimidazole moiety in Eubacterium limosum. Lamm L, et al. **Eur J Biochem** 1982 Mar 1; 122(3):569-71

Regulation of vitamin B12 and bacteriochlorophyll biosynthesis in a facultative methylotroph, Protaminobacter ruber. Sato K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(5):439-47

BLOOD

The usefulness of radioisotopic dilution assay in a population with high serum vitamin B12 concentration. Osifo BO, et al. **Acta Vitaminol Enzymol** 1981;3(1):27-30

Atypical cobalamin binding in the serum of congenital deficiency of transcobalamin II. Hall CA, et al. **Br J Haematol** 1982 May;51(1):65-71

Liquid-chromatographic measurement of cyanocobalamin in plasma, a potential tool for estimating glomerular filtration rate. Butte W, et al. **Clin Chem** 1982 Aug;28(8):1778-81

Chloral hydrate interferes with radioassay of vitamin B12 [letter] Mitchell CA, et al. **Clin Chem** 1981 Aug; 27(8):1480-1

The effect of the oxidation state of the folate standard on the results of the simultaneous radioassay of serum folate and cobalamin. Lindemans J, et al. **Clin Chim Acta** 1981 Aug 10;114(2-3):315-20

Vitamin B12 quality control trials. Dawson DW, et al. **Clin Lab Haematol** 1981;3(4):323-30

Levels of serum ferritin, folate, and vitamin B12 in pregnant women at term who had been supplemented with iron and folate. Celada A, et al. **Int J Biol Res Pregnancy** 1981; 2(3):142-5

Comparative studies of a new commercial kit for the estimation of vitamin B12 in serum. Waters HM, et al. **J Clin Pathol** 1981 Sep;34(9):972-8

Serum folic acid and vitamin B12 levels--a preliminary study. Hussain SS, et al. **JPMA** 1981 Sep;31(9):197-200

Role of serum folate and vitamin B12 concentrations in the differentiation of small intestinal abnormalities in the dog. Batt RM, et al. **Res Vet Sci** 1982 Jan;32(1):17-22

Insolubilized pure human intrinsic factor used for quantitation of cobalamins in serum. Nexø E, et al. **Scand J Clin Lab Invest** 1981 Sep;41(5):465-8

Folate and vitamin B12 (cobalamin) blood levels in elderly persons in geriatric homes. Magnus EM, et al. **Scand J Haematol** 1982 Apr;28(4):360-6

Serum vitamin B12 levels in dairy cows before and after parturition. Mykkänen J, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):526-8

[Radiological investigations of cobalamin supply with regard to folate status (author's transl)] Urban G, et al. **Int J Vitam Nutr Res** 1981;51(2):124-31 (Eng. Abstr.) **(Ger)**

[RIA control of liposoluble vitamins and vitamin B12 in patients under treatment with DEAE-dextran] Nico F, et al. **Clin Ter** 1981 Mar 31;96(6):637-42 **(Ita)**

[Assay of vitamin B12 and folic acid in blood and its clinical significance (author's transl)] Tanaka N, et al. **Rinsho Byori** 1981 Jun;29(6):554-63 **(Jpn)**

[Vitamin B 12 levels in children with intestinal resection at the level of the ileum] Vega Franco L, et al. **Bol Med Hosp Infant Mex** 1981 Jan-Feb;38(1):35-40 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

Recommended methods for the measurement of vitamin B 12 absorption. International Committee for Standardization in Hematology. **J Nucl Med** 1981 Dec;22(12):1091-3

GENETICS

The biochemical and genetic basis for the microheterogeneity of human R-type vitamin B12 binding proteins. Yang SY, et al. **Blood** 1982 Apr;59(4):747-55

METABOLISM

The luxus vitamins--A and B12: reply to McLaren [letter] Hall CA. **Am J Clin Nutr** 1982 Apr;35(4):772-4

Intrinsic factor-mediated intestinal absorption of cobalamin in the dog. Marcoullis G, et al. **Am J Physiol** 1981 Oct; 241(4):G294-9

Hydrophobic interactions of the apo and holo forms of human cobalamin binding proteins. Begley JA, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):434-41

Solubilization of the ileal receptor for intrinsic factor--vitamin B-12 complex by digestion with papain. Beesley RC. **Biochem J** 1981 Nov 15;200(2):225-9

In vivo evidence that intrinsic factor-cobalamin complex traverses the human intestine intact. Nicolas JP, et al. **Biochim Biophys Acta** 1981 Jul 17;675(3-4):328-33

A new case of deficiency of the R binder for cobalamin, with observations on minor cobalamin-binding proteins in serum and saliva. Carmel R. **Blood** 1982 Jan;59(1):152-6

Abnormal deoxyuridine suppression test in congenital methylmalonic aciduria-homocystinuria without megaloblastic anemia: divergent biochemical and morphological bone marrow manifestations of disordered cobalamin metabolism in man. Carmel R, et al. **Blood** 1982 Feb;59(2):306-11

The effect of folate analogues and vitamin B12 on provision of thymine nucleotides for DNA synthesis in megaloblastic anemia. Taheri MR, et al. **Blood** 1982 Mar;59(3):634-40

Oral contraceptives: effect of folate and vitamin B12 metabolism. Shojania AM. **Can Med Assoc J** 1982 Feb 1; 126(3):244-7 (81 ref.)

Cimetidine and malabsorption of cobalamin. Streeter AM, et al. **Dig Dis Sci** 1982 Jan;27(1):13-6

The influence of aging on intestinal absorption of vitamin B12 and niacin in rats. Fleming BB, et al. **Exp Gerontol** 1982;17(2):121-6

Effects of proteolytic enzymes on vitamin B12 uptake by rat intestinal mucosa homogenates and of proteolytic enzymes and anti-rat intrinsic factor antibodies on vitamin B12 absorption in total gastrectomized rats. Morishita R, et al. **Gastroenterol Jpn** 1981;16(4):335-43

Immunocytochemical localization of intrinsic factor--cobalamin bound to the guinea pig ileum in vivo. Levine JS, et al. **Gastroenterology** 1982 Feb;82(2):284-90

Subcellular localisation of vitamin B12 during absorption in the guinea-pig ileum. Jenkins WJ, et al. **Gut** 1981 Aug; 22(8):617-22

Absorption and transport of radioactive 57cobalt vitamin B12 in experimental giardiasis in rats. Deka NC, et al. **Indian J Med Res** 1981 Nov;74:675-9

Analysis of btuB receptor function by use of nonsense suppression. Hunter MG, et al. **J Bacteriol** 1982 Sep; 151(3):1591-4

Isolation and characterization of proteolytically derived ileal receptor for intrinsic factor-cobalamin. Seetharam B, et al. **J Biol Chem** 1982 Jan 10;257(1):183-9

Intestinal synthesis and absorption of vitamin B-12 in channel catfish. Limsuwan T, et al. **J Nutr** 1981 Dec; 111(12):2125-32

Contribution of the microflora of the small intestine to the vitamin b12 nutriture of man [letter] Baker SJ. **Nutr Rev** 1981 Mar;39(3):147-8

Vitamin B12 absorption from fish. Doscherholmen A, et al. **Proc Soc Exp Biol Med** 1981 Sep;167(4):480-4

Circadian absorption of vitamin B12. Markiewicz A, et al. **Scand J Gastroenterol** 1981;16(4):541-4

The effect of nitrous oxide-induced inactivation of cobalamin on plasma amino acid levels in the rat. Deacon R, et al. **Scand J Haematol** 1981 Oct;27(4):267-70

Role of vitamin B12 in methyl transfer for methane biosynthesis by Methanosarcina barkeri. Wood JM, et al. **Science** 1982 Apr 16;216(4543):303-5

The effect of megadose ascorbic acid ingestion on the absorption and retention of vitamin B12 in man. Watson WS, et al. **Scott Med J** 1982 Jul;27(3):240-3

Vitamin B12 status on a vegetarian diet. A clinical review. Immerman AM. **World Rev Nutr Diet** 1981;37:38-54 (109 ref.)

[Vitamin B 12 resorption in the aged with reference to hematologic parameters] Fuchs P, et al. **MMW** 1981 Oct 23;123(43):1634-6 **(Ger)**

[Vitamin B12 as a biologically active model compound] Zagalak B. **Naturwissenschaften** 1982 Feb;69(2):63-74 (Eng. Abstr.) **(Ger)**

[Malabsorption of vitamin B 12 after gastrectomy for cancer] Quaranta L, et al. **Minerva Med** 1981 Nov 10;72(44):2945-9 (Eng. Abstr.) **(Ita)**

[Iron, folate and vitamin B12 in maternal blood and breast milk (author's transl)] Imamura A. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):1053-61 (Eng. Abstr.) **(Jpn)**

[Congenital pernicious anemia: report of a case with atrophic gastritis and transitory selective malabsorption of vitamin B12 (author's transl)] Arakawa S, et al. **Rinsho Ketsueki** 1981 Mar;22(3):331-7 (Eng. Abstr.) **(Jpn)**

[Localization of vitamin B12-dependent ribonucleotide reductase in Propionibacterium shermanii cells] Iordan EP, et al. **Mikrobiologiia** 1981 Jul-Aug;50(4):736-8 **(Rus)**

[Effect of pantothenate on indices related to cobalamin metabolism in vitamin B 12 deficiency] Moiseenok AG, et al. **Vopr Pitan** 1982 May-Jun;(3):48-51 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Reactive sulfhydryl groups of coenzyme B12-dependent diol dehydrase: differential modification of essential and nonessential ones. Kuno S, et al. **Arch Biochem Biophys** 1981 Sep;210(2):474-80

Chemical modification of coenzyme B12-dependent diol dehydrase with pyridoxal 5'-phosphate: lysyl residue essential for interaction between two components of the enzyme. Kuno S, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):722-30

Studies on interactions of vitamin E with thiamine, niacin and vitamin B12. Nadiger HA, et al. **Clin Chim Acta** 1981 Oct 8;116(1):9-16

Homocysteine in the plasma of renal transplant recipients: effects of cofactors for methionine metabolism. Wilcken DE, et al. **Clin Sci** 1981 Dec;61(6):743-9

Reversible cleavage of the cobalt-carbon bond to coenzyme B12 catalysed by methylmalonyl-CoA mutase from Propionibacterium shermanii. The use of coenzyme B12 stereospecifically deuterated in position 5'. Gaudemer A, et al. **Eur J Biochem** 1981 Oct;119(2):279-85

Vitamin B12-dependent replication of L1210 mouse leukemia cells. A model system for cobalamin-folate inter-relationships. Fujii K, et al. **J Biol Chem** 1981 Oct 25;256(20):10329-34

Vitamin B12 administration for milk fat synthesis in lactating dairy cows fed a low fiber diet. Croom WJ Jr, et al. **J Dairy Sci** 1981 Jul;64(7):1555-60

Lipotropic effects of zinc, vitamin B12, and glutathione on the fatty liver of rat. A histochemical study. Rana SV, et al. **Mikroskopie** 1981 Oct;38(9-10):294-300

Pharmacy update: water soluble vitamin. Part 2. Elmer G. **Nurse Pract** 1981 Nov-Dec;6(6):40-8

Cobalamin-dependent leucine and beta-leucine synthesis in higher animals. **Nutr Rev** 1981 Jun;39(6):244-6

[Growth stimulation of Mycobacterium lepraemurium in cell-free liquid medium by vitamin K3 and B12 (author's transl)] Nakamura M. **Nippon Rai Gakkai Zasshi** 1981 Jul-Sep;50(3):135-8 (Eng. Abstr.) **(Jpn)**

[Cobalamins and tRNA methyltransferase activity in E. coli cells] Kal'nev VR, et al. **Biokhimiia** 1981 Oct;46(10):1773-9 (Eng. Abstr.) **(Rus)**

[Changes in DNA methylation in guinea pig liver and kidney during vitamin B12 administration] Kliasheva RI. **Biol Nauki** 1981;(7):24-6 **(Rus)**

PHYSIOLOGY

Electron microscopic visualization of nucleosomal organization in B12 starved and control Euglena chromatin. Delpech S, et al. **Cell Biol Int Rep** 1982 Feb;6(2):197-203

STANDARDS

[On the National Institute Sciences Standard (the Japanese Pharmacopoeia Standard) 'Cyanocobalamin Reference Standard (Control 801)' (author's transl)] Ohta M, et al. **Eisei Shikenjo Hokoku** 1981;99:113-4 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Treatment with vitamin B 12 and the quality of care]

Tyrberg E, et al. **Lakartidningen** 1982 Mar 24;79(12):1116–9 **(Swe)**

VITAMIN B 12 COENZYMES see **COBAMIDES**

VITAMIN B 12 DEFICIENCY

Cobalamin deficiency and related disorders in infancy and childhood. Matthews DM, et al. **Eur J Pediatr** 1982 Feb; 138(1):6–16 (44 ref.)

Haematological and haemopoietic studies in an air–breathing fish on cyanocobalamin and folacin deficient diet. Mahajan CL, et al. **Scand J Haematol** 1981 Nov;27(5):346–54

BLOOD

Increased heat sensitivity of red blood cells in hereditary elliptocytosis with acquired cobalamin (vitamin B12) deficiency. Schoomaker EB, et al. **Blood** 1982 Jun; 59(6):1213–9

CEREBROSPINAL FLUID

[Demyelinating diseases and the cerebrospinal fluid cytoproteinogram] Limongi JC, et al.
Arq Neuropsiquiatr 1981 Sep;39(3):296–300 (Eng. Abstr.) **(Por)**

CHEMICALLY INDUCED

Nitrous oxide, vitamin B12 deficiency and the methyl folate trap. **Nutr Rev** 1982 May;40(5):152–4 (9 ref.)

COMPLICATIONS

Neurologic disorders of vitamin b12 deficiency. Roach ES, et al. **Am Fam Physician** 1982 Jan;25(1):111–5

5–Methyltetrahydrofolate related enzymes and DNA polymerase alpha activities in bone marrow cells from patients with vitamin B12 deficient megaloblastic anemia. Kano Y, et al. **Blood** 1982 Apr;59(4):832–7

Tobacco amblyopia and its relationship to B12 deficiency. Satapathy M, et al. **Indian J Ophthalmol** 1981 Dec; 29(4):479–80

Vitamin B12 neuropathy with pernicious anemia. Description and a case report. Gohil P, et al. **J Am Podiatry Assoc** 1982 Feb;72(2):73–8

From the NIH: Aphthous stomatitis is linked to mechanical injuries, iron and vitamin deficiencies, and certain HLA types. **JAMA** 1982 Feb 12;247(6):774–5

Lhermitte's sign and cobalamin deficiency [letter] Martin D. **JAMA** 1982 Jan 1;247(1):28

Pathogenesis of subacute combined degeneration [letter] Reynolds AH. **Lancet** 1981 Nov 14;2(8255):1109

Nutritional megaloblastic anaemia [letter] Smith TJ, et al. **Med J Aust** 1981 Oct 31;2(9):454

Nutritional megaloblastic anaemia in a young woman. Tydd TF, et al. **Med J Aust** 1981 Jul 25;2(2):96–7

[Imerslund–Gräsbeck's syndrome. Selective vitamin B12 malabsorption and proteinuria] Scheibel E, et al.
Ugeskr Laeger 1981 Oct 19;143(43):2818–9 (Eng. Abstr.) **(Dan)**

[Anemias from dietary vitamin B12 deficiency and inherited disorders of vitamin B12 metabolism in pediatric patients (author's transl)] Zittoun J. **Ann Pediatr (Paris)** 1982 Apr; 29(4):252–6 (Eng. Abstr.) **(Fre)**

[Complication of a vegetarian diet in a breast–fed girl (author's transl)] Lacroix J, et al. **Arch Fr Pediatr** 1981 Apr;38(4):233–8 (Eng. Abstr.) **(Fre)**

[Megaloblastic anemia] Boll I. **Med Welt** 1981 Sep 18; 32(38):1416–9 **(Ger)**

[Syndrome of megaloblastic anemia with proteinuria (Imerslund). Attempt at a pathogenic explanation] Bravo M, et al. **Rev Chil Pediatr** 1981 Mar–Apr;52(2):132–9 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Cobalamin (vitamin B12) deficiency detection by urinary methylmalonic acid quantitation. Norman EJ, et al.
Blood 1982 Jun;59(6):1128–31

Severe megaloblastic bone marrow change associated with unsuspected mild vitamin B12 deficiency. Amess JA, et al. **Clin Lab Haematol** 1981;3(3):231–7

Recommended methods for the measurement of vitamin B 12 absorption. International Committee for Standardization in Hematology. **J Nucl Med** 1981 Dec;22(12):1091–3

Vitamin B12 deficiency and early rise in mean corpuscular volume [letter] Smith TJ, et al. **JAMA** 1982 Feb 26; 247(8):1126

Vitamin B12 status on a vegetarian diet. A clinical review. Immerman AM. **World Rev Nutr Diet** 1981;37:38–54 (109 ref.)

[Vitamin B 12 deficiency: Imerslund syndrome] Vaisman N, et al. **Harefuah** 1981 Jul;101(1–2):17–9 (Eng. Abstr.) **(Heb)**

DRUG THERAPY

Evidence regarding the minimal daily requirement of dietary vitamin B12. Baker SJ, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2423–33

[Effect of pantothenate on indices related to cobalamin metabolism in vitamin B 12 deficiency] Moiseenok AG, et al. **Vopr Pitan** 1982 May–Jun;(3):48–51 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vitamin B12 deficiency in an infant strictly breast–fed by a mother with latent pernicious anemia. Johnson PR JR, et al. **J Pediatr** 1982 Jun;100(6):917–9

Vitamin B12 deficiency in a breastfed infant of a mother with pernicious anaemia. Hoey H, et al. **J R Soc Med** 1982 Aug; 75(8):656–8

[Vitamin B12 deficiency syndrome and vitamin C avitaminosis in psychotic malnutrition] Schulze F, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Aug; 33(8):500–3 **(Ger)**

[Vitamin B–12 malabsorption following jejuno–ileal bypass surgery] Beró T, et al. **Orv Hetil** 1981 Sep 20; 122(38):2333–5 **(Hun)**

[Vitamin B 12 levels in children with intestinal resection at the level of the ileum] Vega Franco L, et al.
Bol Med Hosp Infant Mex 1981 Jan–Feb;38(1):35–40 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Disorders of vitamin absorption. Chanarin I.
Clin Gastroenterol 1982 Jan;11(1):73–85

Failure to thrive associated with the Imerslund–Grasbeck syndrome. Campbell AN, et al. **Postgrad Med J** 1981 Aug; 57(670):509–10

METABOLISM

DNA chain elongation rates in marrow cells from vitamin B12–deficient patients and methotrexate–treated mice. Bond AN, et al. **Br J Haematol** 1982 Feb;50(2):299–307

Accumulation of 5–methyltetrahydrofolate in cobalamin–deficient L1210 mouse leukemia cells. Fujii K, et al. **J Biol Chem** 1982 Mar 10;257(5):2144–6

Lipid composition of the brain in the vitamin B12–deficient fruit bat (Rousettus aegyptiacus) with neurological impairment. van der Westhuyzen J, et al. **J Neurochem** 1981 Sep;37(3):543–9

The methyl–folate trap and the supply of S–adenosylomethionine [letter] **Lancet** 1981 Oct 3; 2(8249):755–6

Neurotoxicity of folates: implications for vitamin B12 deficiency and Huntington's chorea. Brennan MJ, et al. **Med Hypotheses** 1981 Jul;7(7):919–29

Vitamin b–12 deficiency. Cohen MB. **Semin Nucl Med** 1981 Jul;11(3):226–7

OCCURRENCE

Correction of letter by Marcus [letter] Hines JD.
Am J Clin Nutr 1982 Feb;35(2):407

PATHOLOGY

[Case of pernicious (B12–deficit) anemia lasting over 50 years] Sherman SI. **Probl Gematol Pereliv Krovi** 1981 Jun; 26(6):50–1 **(Rus)**

VETERINARY

Thyroid status in cobalt and vitamin B12 deficiency in goats. Mgongo FO, et al. **Vet Rec** 1981 Jul 18;109(3):51–3

VITAMIN B COMPLEX

Chromosome banding after treatment of living cells in vitro with vitamins from group B. Simeonova M, et al.
Ann Genet (Paris) 1981;24(2):126–8

[Determination of nicotinamide by colorimetry in pharmaceutical preparations containing vitamin B complexes (author's transl)] Namigohar F, et al.
Ann Pharm Fr 1981;39(5):445–9 (Eng. Abstr.) (Fre)

ANALYSIS

[Retention of several vitamins during ultra–high temperature sterilization of milk] Görner F, et al. **Nahrung** 1981; 24(8):713–8 (Eng. Abstr.) **(Ger)**

[Determination of vitamin B and PP content in various drug compounds] Jarzębiński J, et al. **Acta Pol Pharm** 1981; 38(4):461–6 (Eng. Abstr.) **(Pol)**

[Use of densitometry for the determination of active substances in drugs. VIII. Densitometric determination of vitamins B1, B2, B6 and PP in various drug preparations] Jarzębiński J, et al. **Acta Pol Pharm** 1981;38(5):573–9 (Eng. Abstr.) **(Pol)**

BLOOD

Vitamin status during total parenteral nutrition. Stromberg P, et al. **JPEN** 1981;5(4):295–9

PHARMACODYNAMICS

Effect of vitamin B complex and ascorbic acid on the antimicrobial activity of cefazolin sodium. Souney PF, et al. **Am J Hosp Pharm** 1982 May;39(5):840–1

Evaluation of pharmacokinetic parameters of tetracycline hydrochloride upon oral administration with vitamin C and vitamin B complex. Omray A, et al.
Hindustan Antibiot Bull 1981;23:33–7

[Effect of B group vitamins on dysentery bacteria activity during stab culture] Kasianova IIu, et al.
Zh Mikrobiol Epidemiol Immunobiol 1982 May;(5):43–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Critical evaluation of the current studies on pangamic acid—vitamin B15. Lampart–Szczapa E, et al. **Nahrung** 1982;26(4):363–7 (21 ref.)

Pharmacy update: water soluble vitamins. Part 1. Elmer G. **Nurse Pract** 1981 Sep–Oct;6(5):40–7, 56

Inappropriate antidiuretic hormone secretion in Wernicke's encephalopathy. Cooles PE, et al. **Postgrad Med J** 1982 Mar;58(677):173–4

[Vitamin prophylaxis for immature infant anemia (author's transl)] Gavinelli R, et al. **Acta Vitaminol Enzymol** 1980; 2(5–6):163–70 (Eng. Abstr.) **(Ita)**

[The effect of Neolamin 3B to the anemia of cancer patients (author's transl)] Miyamoto H, et al. **Rinsho Hoshasen** 1981 Jun;26(6):671–5 (Eng. Abstr.) **(Jpn)**

[Effect of calcium pangamate on catecholamine metabolism in rheumatoid arthritis patients] Garmash VIa, et al.
Ter Arkh 1981;53(7):17–9 (Eng. Abstr.) **(Rus)**

URINE

[Allowance of ascorbic acid and individual B group vitamins for schoolchildren] Dombrovskaia MP, et al.
Vopr Pitan 1982 Jan–Feb;(1):70 **(Rus)**

VITAMIN B DEFICIENCY

DRUG THERAPY

[Correction of vitamin deficiency in chronic biliary tract diseases during health resort treatment] Podorozhnyi PG, et al. **Vrach Delo** 1981 Oct;(10):67–9 **(Rus)**

ETIOLOGY

Food patterns in modern society and their consequences on nutrition. Brubacher G, et al. **Bibl Nutr Dieta** 1981; (30):90–9

[Vitamin B deficiency in alcoholics] Skausig OB.
Ugeskr Laeger 1982 Jan 18;144(3):151–3 (Eng. Abstr.) **(Dan)**

PREVENTION & CONTROL

Pharmacy update: water soluble vitamins. Part 1. Elmer G. **Nurse Pract** 1981 Sep–Oct;6(5):40–7, 56

VITAMIN B T see **CARNITINE**

VITAMIN C see **ASCORBIC ACID**

VITAMIN D

IUPAC–IUB Joint Commission on Biochemical Nomenclature (JCBN): Nomenclature of vitamin D. Recommendations 1981. **Eur J Biochem** 1982 May 17; 124(2):223–7

Vitamin D. Harrison HE. **Prog Clin Biol Res** 1981;61:95–108 (24 ref.)

ADMINISTRATION & DOSAGE

The effect of treatment on growth and deformity in hypophosphatemic vitamin D–resistant rickets. Loeffler RD Jr, et al. **Clin Orthop** 1982 Jan–Feb;(162):4–10

Vitamin D preparations up–to–date. **Drug Ther Bull** 1981 Dec 18;19(26):i03–4

Folic acid and vitamin D status of young children receiving minimal anticonvulsant drug therapy. Enneking–Ivey O, et al. **Int J Vitam Nutr Res** 1981;51(4):349–52

Bone mineral content and serum 25–hydroxyvitamin D concentrations in breast–fed infants with and without supplemental vitamin D: one–year follow–up. Greer FR, et al. **J Pediatr** 1982 Jun;100(6):919–22

Vitamin D supplementation in breast–fed infants [letter] Ozsoylu S, et al. **J Pediatr** 1982 Jun;100(6):1000–1

[Once again, rickets in the Netherlands] Schulpen TW.
Ned Tijdschr Geneeskd 1982 Apr 3;126(14):610–3 (Eng. Abstr.) **(Dut)**

[Relations between the supply of vitamin D and accumulation of Pb in chickens] Andrushaite RE, et al.
Biull Eksp Biol Med 1982 Feb;93(2):30–2 (Eng. Abstr.) **(Rus)**

[Effect of vitamin K supply on tissue levels of hexosamine–containing glycolipids] Sharaev PN.
Vopr Pitan 1981 Sep–Oct;(5):25–7 (Eng. Abstr.) **(Rus)**

[Our experience in the treatment of post–menopausal osteoporosis (author's transl)] Rico Lenza H, et al.
Med Clin (Barc) 1982 Apr 16;78(8):322–5 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Perforating granuloma annulare and vitamin D. Aliaga A, et al. **Dermatologica** 1982 Jan;164(1):62–6

William syndrome. Dhareshwar SS, et al.
Indian J Pediatr 1981 Mar–Apr;48(391):183–8

Hypercalcemia in the dog and cat. Drazner FH.
J Am Vet Med Assoc 1981 Jun 15;178(12):1252–6

Experimental atherosclerosis in rats fed a vitamin D, cholesterol–rich diet. Kunitomo M, et al.
J Pharmacobiodyn 1981 Sep;4(9):718–23

ANALOGS & DERIVATIVES

1 alpha, 25-difluorovitamin D3: an inert vitamin D analog. **Paaren HE, et al. Arch Biochem Biophys** 1981 Jul; 209(2):579–83

Nomenclature for vitamin D metabolites [letter] Piston RE. **J Pediatr** 1982 Mar;100(3):505–6

Metabolites and analogues of vitamin D. Which for what? **Haussler MR, et al. JAMA** 1982 Feb 12;247(6):841–4

Preparation of tritium– or deuterium–labeled vitamin D analogs by a convenient general method. **Paaren HE, et al. Proc Natl Acad Sci USA** 1981 Oct;78(10):6173–5

ANALYSIS

Vitamin D compounds in human and bovine milk. Hollis BW, et al. **Adv Nutr Res** 1982;4:59–75 (71 ref.)

Vitamin D of human milk: identification of biologically active forms. Reeve LE, et al. **Am J Clin Nutr** 1982 Jul; 36(1):122–6

Water–soluble vitamin D in human milk [letter] Brown IR. **Arch Dis Child** 1982 Jan;57(1):81

Identification of transcalciferin as a major component of human parotid saliva by crossed immunoelectrophoretic mapping. Joneja JM, et al. **Arch Oral Biol** 1982;27(1):51–8

Simultaneous determination of vitamins A and D in a dosage forms by high pressure liquid chromatography. Santoro MI, et al. **J Assoc Off Anal Chem** 1982 May;65(3):619–23

High performance liquid chromatographic determination of vitamin D in fortified milks, margarine, and infant formulas. Thompson JN, et al. **J Assoc Off Anal Chem** 1982 May; 65(3):624–31

Evidence for aqueous soluble vitamin D–like substances in the calcinogenic plant, Tristetum flavescens. Morris KM, et al. **Life Sci** 1982 Apr 12;30(15):1255–62

Water–soluble vitamin D in human milk: a myth. Greer FR, et al. **Pediatrics** 1982 Feb;69(2):238

[Application of spectropolarimetry to pharmaco–analysis. IV. Spectropolarimetric determination of the active ingredient contents of vitamin D–containing oily preparations] Gergely A, et al. **Acta Pharm Hung** 1981 Jul;51(4):168–72 (Eng. Abstr.) **(Hun)**

BIOSYNTHESIS

Commercially available sun lamps and vitamin D formation. Devgun MS, et al. **Postgrad Med J** 1981 Mar; 57(665):159–63

BLOOD

Chronic acidosis with metabolic bone disease. Effect of alkali on bone morphology and vitamin D metabolism. Cunningham J, et al. **Am J Med** 1982 Aug;73(2):199–204

Quantitation of vitamin D and its metabolites and their plasma concentrations in five species of animals. Horst RL, et al. **Anal Biochem** 1981 Sep 1;116(1):189–203

Seasonal fluctuations in serum concentrations of vitamin D metabolites [letter] Tjellesen L, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):196–7

Measurement of circulating vitamin D in man. Clemens TL, et al. **Clin Chim Acta** 1982 Jun 3;121(3):301–8

An improved method for routine determination of vitamin D and its hydroxylated metabolites in serum from children and adults. Parviainen MT, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):233–47

Corticosteroid–induced osteopenia and vitamin D metabolism. Effect of vitamin D2, calcium phosphate and sodium fluoride administration. Rickers H, et al. **Clin Endocrinol (Oxf)** 1982 Apr;16(4):409–15

Plasma concentrations of vitamin D metabolites in puberty: effect of sexual maturation and implications for growth. **Aksnes L, et al. J Clin Endocrinol Metab** 1982 Jul; 55(1):94–101

Vitamin D metabolites and parathyroid hormone in Cushing's syndrome: relationship to calcium and phosphorus homeostasis. Findling JW, et al. **J Clin Endocrinol Metab** 1982 May;54(5):1039–44

Alterations in circulating vitamin D metabolites in the young insulin–dependent diabetic. Frazer TE, et al. **J Clin Endocrinol Metab** 1981 Dec;53(6):1154–9

Acute effects of parathyroid hormone on vitamin D metabolism in patients with the bone loss of aging. Sørensen OH, et al. **J Clin Endocrinol Metab** 1982 Jun;54(6):1258–61

Circulating vitamin D metabolite concentrations in childhood renal diseases. Chesney RW, et al. **Kidney Int** 1982 Jan; 21(1):65–9

Serum levels of vitamin D metabolites and bone remodelling in hyperthyroidism. Jastrup B, et al. **Metabolism** 1982 Feb; 31(2):126–32

Vitamin D in plasma: quantitation by a nonequilibrium ligand binding assay. Hollis BW, et al. **Steroids** 1981 Jun; 37(6):609–19

[Vitamin D – from vitamin to hormone. II. 1,25–dihydroxyvitamin D] Lund B, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):866–8 (Eng. Abstr.) **(Dan)**

[Measurements of plasma concentrations of active vitamin D metabolites in children: interest and limit (author's transl)] Garabedian M, et al. **Arch Fr Pediatr** 1981 Dec; 38 Suppl 1:57–65 (38 ref.) (Eng. Abstr.) **(Fre)**

[The binding protein and 25(OH) vitamin D measurement (author's transl)] Lorè F, et al. **Acta Vitaminol Enzymol** 1981;3(2):83–5 (Eng. Abstr.) **(Ita)**

GENETICS

Isoelectric focusing of Gc (vitamin D binding globulin) in parentage testing. Dykes D, et al. **Hum Genet** 1981; 58(2):174–5

Gc subtypes determined by agarose isoelectrofocusing: distribution in Denmark and application to paternity cases. Thymann M. **Hum Hered** 1981;31(4):214–21

[2 new variants in the Gc protein component system] Vavruša B, et al. **Vnitr Lek** 1981 Sep;27(9):861–7 (Eng. Abstr.) **(Cze)**

METABOLISM

The vitamin D endocrine system. Bikle DD. **Adv Intern Med** 1982;27:45–71 (98 ref.)

Vitamin D binding proteins. Haddad JG Jr. **Adv Nutr Res** 1982;4:35–58 (131 ref.)

Vitamin D metabolism in idiopathic infantile hypercalcemia. Aarskog D, et al. **Am J Dis Child** 1981 Nov;135(11):1021–4

Comparison of vitamin D and 25–hydroxyvitamin D absorption in the rat. Sitrin MD, et al. **Am J Physiol** 1982 Apr;242(4):G326–32

Binding proteins for vitamin D metabolites: serum carriers and intracellular receptors. Franceschi RT, et al. **Arch Biochem Biophys** 1981 Aug;210(1):1–13 (104 ref.)

Human serum binding protein for vitamin D and its metabolites (DBP): evidence that actin is the DBP binding component in human skeletal muscle. Haddad JG. **Arch Biochem Biophys** 1982 Feb;213(2):538–44

Thyroid hormone and vitamin D metabolism in the rat. Pahuja DN, et al. **Arch Biochem Biophys** 1982 Jan; 213(1):293–8

Vitamin D metabolism and its possible role in the developing chick embryo. Kubota M, et al. **Biochem J** 1981 Jan 15; 194(1):103–9

Regulation of vitamin D metabolism by calcium and phosphate ions in isolated renal tubules. Spanos E, et al. **Biochem J** 1981 Apr 15;196(1):187–93

Metabolism and molecular mechanism of action of vitamin D: 1981. DeLuca HF. **Biochem Soc Trans** 1982 Jun; 10(3):147–58 (114 ref.)

Effects of protein modification procedures on the interaction between 25–hydroxyvitamin D and the human plasma binding protein for vitamin D and its metabolites. Kawakami M, et al. **Biochemistry** 1981 Sep 29; 20(20):5881–7

Acquired alterations in vitamin D metabolism in the acidotic state. Baran DT, et al. **Calcif Tissue Int** 1982 Mar; 34(2):165–8

Transport of vitamin D: significance of free and total concentrations of the vitamin D metabolites. Bouillon R, et al. **Calcif Tissue Int** 1981;33(5):451–3

The vitamin D system: a view from basic science to the clinic. Deluca HF. **Clin Biochem** 1981 Oct;14(5):213–22 (88 ref.)

Current clinical applications of vitamin D metabolite research. Chesney RW. **Clin Orthop** 1981 Nov–Dec; (161):285–314

Perinatal metabolism of vitamin D: transition from fetal to neonatal life. Tsang RC, et al. **Clin Perinatol** 1981 Jun; 8(2):287–306 (118 ref.)

Effect of isoniazid on vitamin D metabolism and hepatic monooxygenase activity. Brodie MJ, et al. **Clin Pharmacol Ther** 1981 Sep;30(3):363–7

Vitamin D and pregnancy: the maternal–fetal metabolism of vitamin D. Gray TK, et al. **Endocr Rev** 1981 Summer; 2(3):264–74 (113 ref.)

Vitamin D metabolism in pregnant rabbits: differences between the maternal and fetal response to administration of large amounts of vitamin D3. Kubota M, et al. **Endocrinology** 1982 Jun;110(6):1950–6

The transformation of a vitamin into a hormone: the vitamin D story. DeLuca HF. **Harvey Lect** 1979–80;75:333–79 (166 ref.)

Serum concentrations of vitamin D–binding protein (group–specific component) in cystic fibrosis. Coppenhaver D, et al. **Hum Genet** 1981;57(4):399–403

Rickets and osteomalacia. Smith R. **Hum Nutr Clin Nutr** 1982;36(2):115–33 (19 ref.)

Binding of the apo and holo forms of the serum vitamin D–binding protein to human lymphocyte cytoplasm and membrane by indirect immunofluorescence. Constans J, et al. **Immunol Lett** 1981 Aug;3(3):159–62

Vitamins and alcoholism. X. Vitamin D, XI, Vitamin E, XII. Vitamin K. Bonjour JP. **Int J Vitam Nutr Res** 1981; 51(3):307–18 (30 ref.)

New developments in the vitamin D endocrine system. DeLuca HF. **J Am Diet Assoc** 1982 Mar;80(3):231–7

Presence of 25–hydroxyvitamin D3 and 1,25–dihydroxyvitamin D3 24–hydroxylase in vitamin D target cells of rat yolk sac. Danan JL, et al. **J Biol Chem** 1982 Sep 25;257(18):10715–21

Synthesis of serum and cytosol vitamin D–binding proteins by rat liver and kidney. Imawari M, et al. **J Biol Chem** 1982 Jul 25;257(14):8153–7

The role of dietary sodium on renal excretion and intestinal absorption of calcium and on vitamin D metabolism. Breslau NA, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):369–73

Intestinal calcium absorption and vitamin D metabolism. Weiser MM, et al. **J Clin Gastroenterol** 1982 Feb;4(1):75–86 (142 ref.)

Extraction of vitamin D metabolites by bones of normal adult dogs. Olgaard K, et al. **J Clin Invest** 1982 Mar;69(3):684–90

Carbonic anhydrase activity in the chick embryo chorioallantois: regional distribution and vitamin D regulation. Narbaitz R, et al. **J Embryol Exp Morphol** 1981 Oct;65:127–37

Effect of the maternal vitamin D status at parturition on the vitamin D status of the neonatal calf. Goff JP, et al. **J Nutr** 1982 Jul;112(7):1387–93

Relationships between prepartal dietary calcium and phosphorus, vitamin D metabolism, and parturient paresis in dairy cows. Kichura TS, et al. **J Nutr** 1982 Mar; 112(3):480–7

Vitamin D compounds in cows' milk. Reeve LE, et al. **J Nutr** 1982 Apr;112(4):667–72

Vitamin D metabolism in preterm infants: serum calcitriol values during the first five days of life. Glorieux FH, et al. **J Pediatr** 1981 Oct;99(4):640–3

Clinical disorders of vitamin D metabolism. Bell NH. **J SC Med Assoc** 1982 Jan;78(1):21–6

Vitamin D metabolites in early renal failure. Tessitore N, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):293–7

Role of the hypophysis in the regulation of vitamin D metabolism. Pahuja DN, et al. **Mol Cell Endocrinol** 1981 Sep;23(3):345–50

Vitamin–D synthesis and metabolism after ultraviolet irradiation of normal and vitamin–D–deficient subjects. Adams JS, et al. **N Engl J Med** 1982 Mar 25;306(12):722–5

Vitamin D: sunlight and precursors [news] Hay A. **Nature** 1982 Jun 3;297(5865):364

Anticonvulsant therapy and vitamin D metabolism: evidence for different mechanisms for phenytoin and phenobarbital. Mimaki T, et al. **Pediatr Pharmacol (New York)** 1980; 1(2):105–12

The metabolism of the fat–soluble vitamins. Olson JA. **Prog Clin Biol Res** 1981;77:137–46

Absorption mechanisms for fat–soluble vitamins and the effect of other food constituents. Weber F. **Prog Clin Biol Res** 1981;77:119–35 (55 ref.)

Subcellular mechanisms involving vitamin D. DeLuca HF. **Subcell Biochem** 1981;8:251–72 (140 ref.)

Mechanism of action of itamin D. Franceschi RT. **Wis Med J** 1981 Oct;80(10):17

[Vitamin D homeostasis in phospho–calcium metabolism] Wilczek H 3d. **Cesk Fysiol** 1981;30(4):305–26 (190 ref.) **(Cze)**

[Vitamin D––from vitamin to hormone. I 25–hydroxyvitamin D] Lund B, et al. **Ugeskr Laeger** 1982 Mar 15;144(11):780–4 (Eng. Abstr.) **(Dan)**

[Cartilage and vitamin D in vitro (author's transl)] Corvol MT, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):482–7 (Eng. Abstr.) **(Fre)**

[Vitamin D metabolism in rat calvarium in vitro (author's transl)] Garabedian M, et al. **Ann Endocrinol (Paris)** 1981 Oct–Nov;42(4–5):488–91 (Eng. Abstr.) **(Fre)**

[Insufficiency and excess of vitamin D activity (author's transl)] Royer P. **Ann Endocrinol (Paris)** 1981 Oct–Nov; 42(4–5):471–6 (Eng. Abstr.) **(Fre)**

[Vitamin D metabolism in the perinatal period] Senterre J. **Rev Med Liege** 1981 Dec 15;36(24):881–7 **(Fre)**

[New findings on the metabolism and importance of the D vitamins, with special reference to the use of vitamin D] Kolb E. **Z Gesamte Inn Med** 1981 Sep 1;36(17):597–602 (30 ref.) (Eng. Abstr.) **(Ger)**

[Calcium lithiasis I. Idiopathic or hypophosphatemic hypercalciuria? Vitamin D metabolism and orthophosphate therapy] Horn HD. **Z Urol Nephrol** 1981 Dec;74(12):903–11 **(Ger)**

[Osteopathies and vitamin D. New concepts and prospects in the light of recent advances] Boninsegna A, et al. **Minerva Med** 1982 Jun 16;73(25):1755–60 (Eng. Abstr.) **(Ita)**

[Vitamin D metabolism in chronic glomerulonephritis (author's transl)] Kimura Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Sep;23(9):1209–16 (Eng. Abstr.) **(Jpn)**

[Vitamin D metabolism and its disorders (author's transl)] Kubota M, et al. **Rinsho Byori** 1981 Jun;29(6):576–85 (38 ref.) **(Jpn)**

[Hormonal regulation of vitamin D transformation into active metabolites] Trufanov AV. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):72–7 (41 ref.) **(Rus)**

[Methods of estimation of vitamin D supply in humans] Spirichev VB. **Vopr Pitan** 1981 Sep–Oct;(5):3–8 (64 ref.) **(Rus)**

PHARMACODYNAMICS

Growth and bone mineralization of normal breast–fed infants and the effects of lactation on maternal bone mineral status. Chan GM, et al. **Am J Clin Nutr** 1982 Sep;36(3):438–43

Vitamin D–mediated intestinal calcium transport. Effects of essential fatty acid deficiency and spin label studies of enterocyte membrane lipid fluidity. Putkey JA, et al. **Biochim Biophys Acta** 1982 May 21;688(1):177–90

Role of vitamin D in maternal skeletal changes during pregnancy and lactation: a histomorphometric study. Miller SC, et al. **Calcif Tissue Int** 1982 May;34(3):245–52

Growth and bone mineralisation as affected by dietary calcium, phytic acid and vitamin D. Sasson A, et al. **Comp Biochem Physiol [A]** 1982;72(1):43–8

Intestinal calcium transport: pleiotropic effects mediated by vitamin D. Norman AW, et al. **Fed Proc** 1982 Jan; 41(1):78–83

Effect of vitamin D status on cyclic AMP-dependent protein kinase activity and its heat-stable inhibitor in chick kidney. Rudack-Garcia D, et al. **J Biol Chem** 1981 Nov 10; 256(21):10781-5

Effect of vitamin D on the intestinal absorption of 203Pb and 47Ca in chicks. Mykkänen HM, et al. **J Nutr** 1982 Mar;112(3):520-7

Vitamin D nutrition increases skin tyrosinase response to exposure to ultraviolet radiation. Pavlovitch JH, et al. **Mol Cell Endocrinol** 1982 Mar;25(3):295-302

Early oral administration of vitamin D and its metabolites in premature neonates. Effect on mineral homeostasis. Salle BL, et al. **Pediatr Res** 1982 Jan;16(1):75-8

The effect of vitamin D deficiency on bone replacement. Liu CC, et al. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):554-62

The inhibition of vitamin D-stimulated intestinal calcium transport in rats after continuous oral administration of cadmium. Ando M, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):297-301

[Effect of vitamin D on skin metabolism (author's transl)] Pavlovitch JH, et al. **Ann Endocrinol (Paris)** 1981 Oct-Nov; 42(4-5):477-81 (Eng. Abstr.) **(Fre)**

[Calcium, magnesium and phosphorus balance and the effect of vitamin D in low birth weight infants] Senterre J. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):357-9 **(Spa)**

[Calcium, phosphorus and magnesium balance and the effect of vitamin D in low-weight infants] Senterre J. **Rev Chil Pediatr** 1981 Jul-Aug;52(4):357-9 **(Spa)**

PHYSIOLOGY

Modern views of vitamin D. Deluca HF. **ASDC J Dent Child** 1981 May-Jun;48(3):219-21

Vitamin D: an update. Koshy KT. **J Pharm Sci** 1982 Feb; 71(2):137-53 (189 ref.)

[Vitamin D physiology and its application to disorders of calcium metabolism] Favus MJ, et al. **Recenti Prog Med** 1981 Feb;70(2):119-40 (118 ref.) **(Ita)**

[Parathyroid function and vitamin D (author's transl)] Ogata E. **Horumon To Rinsho** 1981 Nov;29(11):1357-62 **(Jpn)**

[Recent topics on fat-soluble vitamins--with special reference to vitamin A, D and K-- (author's transl)] Moriuchi S. **Rinsho Byori** 1981 Jun;29(6):569-75 (28 ref.) **(Jpn)**

[Mechanism of intestinal vitamin-D-dependent Ca absorption. Correlation between active Ca transport and release of inorganic phosphate on the basal side of intestinal epithelia] Sokolova SV, et al. **Vopr Med Khim** 1982 Mar-Apr;28(2):99-108 (Eng. Abstr.) **(Rus)**

POISONING

Metabolism of cholecalciferol in vitamin D intoxicated chicks. Ratzkowski C, et al. **Isr J Med Sci** 1982 Jun; 18(6):695-700

[Vitamin D metabolites in a new case of drug-induced hypercalcemia (author's transl)] Ulmann A, et al. **Nouv Presse Med** 1981 Oct 10;10(36):2965-7 (Eng. Abstr.) **(Fre)**

[Vitamin D intoxication] Jung A, et al. **Schweiz Med Wochenschr** 1980 Dec 20;110(51):1972-6 (Eng. Abstr.) **(Fre)**

[Hematological aspects of chronic vitamin D poisoning] Fiandino G, et al. **Minerva Pediatr** 1982 Apr 30;34(8):351-4 (Eng. Abstr.) **(Ita)**

[Cholecalciferol metabolism of pregnant rats with vitamin D poisoning] Lazareva NP, et al. **Vopr Pitan** 1982 Mar-Apr;(2):42-4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Vitamin D, hydroxyapatite, and calcium gluconate in treatment of cortical bone thinning in postmenopausal women with primary biliary cirrhosis. Epstein O, et al. **Am J Clin Nutr** 1982 Sep;36(3):426-30

Bone response to phosphate and vitamin D metabolites in the hypophosphatemic male mouse. Marie PJ, et al. **Calcif Tissue Int** 1982 Mar;34(2):158-64

Hypophosphatemic vitamin D refractory osteomalacia with bilateral femoral pseudofractures. Milgram JW, et al. **Clin Orthop** 1981 Oct;(160):78-85

The prevalence and management of vitamin D deficiency in an acute geriatric unit. McKenna M, et al. **Ir Med J** 1981 Nov;74(11):336-8

Comparative efficacy of various vitamin D metabolites in the treatment of various types of hypoparathyroidism. Okano K, et al. **J Clin Endocrinol Metab** 1982 Aug; 55(2):238-43

Hepatic osteomalacia and vitamin D [editorial] **Lancet** 1982 Apr 24;1(8278):943-4

Pharmacy update: fat soluble vitamins. Part 3. Elmer G. **Nurse Pract** 1982 Jan;7(1):38-40, 50

Treatment of osteoporosis with fluoride, calcium, and vitamin D. Briancon D, et al. **Orthop Clin North Am** 1981 Jul; 12(3):629-48

Vitamin D in bone disease. Norman ME. **Pediatr Clin North Am** 1982 Aug;29(4):947-71 (109 ref.)

Water-soluble vitamin D in human milk: a myth [letter] Chadwick DW. **Pediatrics** 1982 Sep;70(3):499-500

[Therapeutic application of vitamin D, its derivatives and analogues (author's transl)] Balsan S. **Ann Endocrinol (Paris)** 1981 Oct-Nov;42(4-5):492-6 (Eng. Abstr.) **(Fre)**

[Therapeutic use of vitamin D, its derivatives and their analogs] Vagneur JP, et al. **Diabete Metab** 1982 Mar; 8(1):65-7 **(Fre)**

TOXICITY

[Effect of vitamin K on glycolytic activity of erythrocytes of rats with hypervitaminosis D] Grozina AA, et al. **Vopr Pitan** 1981 Sep-Oct;(5):23-5 (Eng. Abstr.) **(Rus)**

VITAMIN D 2 see **ERGOCALCIFEROL**

VITAMIN D 3 see **CHOLECALCIFEROLS**

VITAMIN D DEFICIENCY

BLOOD

Vitamin D metabolite concentrations in vitamin D deficiency. Are calcitriol levels normal. Chesney RW, et al. **Am J Dis Child** 1981 Nov;135(11):1025-8

Calcium and the endocrine system. O'Riordan LH. **Practitioner** 1982 Feb;226(1364):237-41

[25-hydroxy-vitamin-D in serum of newborns and infants during continuous oral vitamin D treatment (author's transl)] Kunz C, et al. **Padiatr Padol** 1982;17(2):181-5 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Growth failure in vitamin D-deficient rat pups. Brommage R, et al. **Calcif Tissue Int** 1981;33(3):277-80

Comparison of bone lesions in chronic cadmium poisoning and vitamin D-deficiency. Nogawa K, et al. **Dev Toxicol Environ Sci** 1980;8:581-4

Congenital hyperparathyroidism and rickets: secondary to maternal hypoparathyroidism and vitamin D deficiency. Gradus D, et al. **Isr J Med Sci** 1981 Aug;17(8):705-8

Vitamin D and hyperparathyroidism: the Lumleian Lecture 1981. Stanbury SW. **J R Coll Physicians Lond** 1981 Oct; 15(4):205-9, 212-7

Osteomalacia, vitamin D deficiency and cholestasis in chronic liver disease. Dibble JB, et al. **Q J Med** 1982;51(201):89-103

[Osteomalacia caused by hypovitaminosis with moderate secondary hyperparathyroidism (so-called intestinal osteopathy) on the basis of endemic sprue in a condition of post-celiac disease 1948 and insufficient ultraviolet exposure] Haas-Sigel P. **Z Rheumatol** 1982 Mar-Apr; 41(2):63-6 (Eng. Abstr.) **(Ger)**

[Preventive role of vitamins in some old age diseases (author's transl)] Passeri M. **Acta Vitaminol Enzymol** 1980; 2(5-6):147-62 (Eng. Abstr.) **(Ita)**

CONGENITAL

Vitamin D supplementation in breast-fed infants [letter] Ozsoylu S, et al. **J Pediatr** 1982 Jun;100(6):1000-1

[Vitamin D metabolism in the perinatal period] Senterre J. **Rev Med Liege** 1981 Dec 15;36(24):881-7 **(Fre)**

DIAGNOSIS

[Late deficiency rickets: apropos of 13 cases] Fellat Hamdouch R, et al. **Maroc Med** 1981 Jun-Oct; 3(2-3):703-13 (Eng. Abstr.) **(Fre)**

[Transient vitamin-D dependent rickets? a case report differential diagnosis (author's transl)] Widhalm K, et al. **Padiatr Padol** 1982;17(2):409-16 (Eng. Abstr.) **(Ger)**

DIET THERAPY

A 4-year double-blind fluoridated school milk study in a vitamin-D deficient area. Stephen KW, et al. **Br Dent J** 1981 Nov 3;151(9):287-92

DRUG THERAPY

The prevalence and management of vitamin D deficiency in an acute geriatric unit. McKenna M, et al. **Ir Med J** 1981 Nov;74(11):336-8

New developments in the vitamin D endocrine system. DeLuca HF. **J Am Diet Assoc** 1982 Mar;80(3):231-7

Pharmacy update: fat soluble vitamins. Part 3. Elmer G. **Nurse Pract** 1982 Jan;7(1):38-40, 50

Vitamin D disorders in children with chronic renal failure. Chan JC. **Va Med** 1982 Apr;109(4):255-8

[Vitamin D metabolism and its disorders (author's transl)] Kubota M, et al. **Rinsho Byori** 1981 Jun;29(6):576-85 (38 ref.) **(Jpn)**

ENZYMOLOGY

Alkaline phosphatases in endochondral ossification of rats low in calcium and vitamin D deficient. Engström C, et al. **Acta Orthop Scand** 1982 Jun;53(3):317-23

Effect of vitamin D status on cyclic AMP-dependent protein kinase activity and its heat-stable inhibitor in chick kidney. Rudack-Garcia D, et al. **J Biol Chem** 1981 Nov 10; 256(21):10781-5

ETIOLOGY

Rickets and deficiency of vitamin D metabolites [letter] Ozsoylu S. **Am J Dis Child** 1982 Aug;136(8):754-5

Normal hepatic vitamin-D metabolism in icteric primary biliary cirrhosis associated with pronounced vitamin-D deficiency symptoms. Danielsson A, et al. **Hepatogastroenterology** 1982 Feb;29(1):6-8

Fat-soluble vitamin deficiencies in children in relation to protein energy malnutrition and environmental stress. Reddy V. **Prog Clin Biol Res** 1981;77:109-17

IMMUNOLOGY

1,25-dihydroxyvitamin D3 and the regulation of macrophage function. Bar-Shavit Z, et al. **Calcif Tissue Int** 1981; 33(6):673-6

METABOLISM

The vitamin D endocrine system. Bikle DD. **Adv Intern Med** 1982;27:45-71 (98 ref.)

Biliary excretion of [3H]-25-hydroxyvitamin D3 in the vitamin D-depleted rat. Gascon-Barré M. **Am J Physiol** 1982 May;242(5):G522-32

A comparative study of the distribution of the stable crosslink, pyridinoline, in bone collagens from normal, osteoblastoma, and vitamin D-deficient chicks. Yamauchi M, et al. **Biochem Biophys Res Commun** 1981 Sep 16; 102(1):59-65

Discrimination in the metabolism of orally dosed ergocalciferol and cholecalciferol by the pig, rat and chick. Horst RL, et al. **Biochem J** 1982 Apr 15;204(1):185-9

Effect of vitamin D deficiency on in vitro labeling of chick intestinal proteins: analysis by two-dimensional electrophoresis. Kendrick NC, et al. **Biochemistry** 1981 Sep 1;20(18):5288-94

Influence of vitamin D on parathyroid hormone-induced adenosine 3',5'-monophosphate production by bone cells isolated from rat calvariae. Crowell JA Jr, et al. **Endocrinology** 1981 Nov;109(5):1715-22

Matrix formation in nasal septal cartilage of growing rats on a low calcium and vitamin D deficient diet. Engström C. **Eur J Orthod** 1982 May;4(2):105-12

Biological activity assessment of 25-hydroxyvitamin D3-26,23-lactone in the rat. Ishizuka S, et al. **FEBS Lett** 1982 Mar 22;139(2):267-70

Changes in craniofacial suture metabolism in rats fed a low calcium and vitamin D-deficient diet. Engström C, et al. **J Anat** 1982 May;134 (Pt 3):443-58

Alterations of the gamma-carboxyglutamic acid and osteocalcin concentrations in vitamin D-deficient chick bone. Lian JB, et al. **J Biol Chem** 1982 May 10; 257(9):4999-5003

Effect of vitamin D status on the equilibrium between occupied and unoccupied 1,25-dihydroxyvitamin D intestinal receptors in the chick. Hunziker W, et al. **J Clin Invest** 1982 Apr;69(4):826-33

Regulation and its refractoriness of 25-hydroxyvitamin D3 metabolism in vitamin D deficiency. Takahashi N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(5):429-37

Cytosol preparations are inadequate for quantitating unoccupied receptors for 1,25-dihydroxyvitamin D3. Walters MR, et al. **J Recept Res** 1980;1(2):313-27

Stimulation of intestinal calcium transport and bone calcium mobilization by prolactin in vitamin D-deficient rats. Pahuja DN, et al. **Science** 1981 Nov 27;214(4524):1038-9

[Effect of vitamin D on skin metabolism (author's transl)] Pavlovitch JH, et al. **Ann Endocrinol (Paris)** 1981 Oct-Nov; 42(4-5):477-81 (Eng. Abstr.) **(Fre)**

[Insufficiency and excess of vitamin D activity (author's transl)] Royer P. **Ann Endocrinol (Paris)** 1981 Oct-Nov; 42(4-5):471-6 (Eng. Abstr.) **(Fre)**

[Methods of estimation of vitamin D supply in humans] Spirichev VB. **Vopr Pitan** 1981 Sep-Oct;(5):3-8 (64 ref.) **(Rus)**

OCCURRENCE

Nutritional deficiencies among ethnic minorities in the United Kingdom. Robertson I, et al. **Proc Nutr Soc** 1982 Jun; 41(2):243-56 (49 ref.)

The prevalence and possible causes of fat-soluble vitamin deficiencies in the world. McLaren DS. **Prog Clin Biol Res** 1981;77:99-107

Observations on the natural history of vitamin D deficiency amongst Asian immigrants. Stephens WP, et al. **Q J Med** 1982 Spring;51(202):171-88

PATHOLOGY

Craniofacial morphology and growth in the rat. Cephalometric analysis of the effects of a low calcium and vitamin D-deficient diet. Engström C, et al. **J Anat** 1982 Mar;134 (Pt 2):299-314

Calcium lysosomes in rachitic and vitamin D3 replete chick duodenal absorptive cells. Davis WL, et al. **Tissue Cell** 1981;13(2):381-91

[Effect of vitamin D deficiency and vitamin D3 therapy on the pig cementum] Kerebel B, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1981 Mar; 24(1):37-45 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Effect of vitamin D deficiency on skeletal development during early growth in the rat. Halloran BP, et al. **Arch Biochem Biophys** 1981 Jun;209(1):7-14

The bacterial origin of rat breath pentane. Gelmont D, et al. **Biochem Biophys Res Commun** 1981 Oct 15;102(3):932-6

Role of vitamin D in maternal skeletal changes during pregnancy and lactation: a histomorphometric study. Miller

SC, et al. **Calcif Tissue Int** 1982 May;34(3):245–52
Studies on the role of 24–hydroxylation of vitamin D in the mineralization of cartilage and bone of vitamin D–deficient rats. Miller SC, et al. **Calcif Tissue Int** 1981;33(5):489–97
Reversible resistance to the renal action of parathyroid hormone in human vitamin D deficiency. Lewin IG, et al. **Clin Sci** 1982 Apr;62(4):381–7
The effect of vitamin D restriction and repletion on bone apposition in the rat and its dependence on parathyroid hormone. Tam CS, et al. **Endocrinology** 1981 Nov; 109(5):1448–53
Sex differences during the development of vitamin D deficiency in the rat: serum parathyroid hormone, calcitonin, calcium, and phosphorus. Thomas ML, et al. **Endocrinology** 1981 Nov;109(5):1528–32
Serum calcium and parathyroid hormone during the reproductive cycle in normal and vitamin D–deficient rats. Thomas ML, et al. **Endocrinology** 1982 Mar;110(3):703–7
The effect of vitamin D deficiency on bone replacement. Liu CC, et al. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):554–62

PREVENTION & CONTROL

Intrauterine vitamin D nutrition and postnatal growth in Asian infants. Brooke OG, et al. **Br Med J [Clin Res]** 1981 Oct 17;283(6298):1024
Annual high–dose vitamin D prophylaxis in Asian immigrants. Stephens WP, et al. **Lancet** 1981 Nov 28; 2(8257):1199–202

VETERINARY

Leg abnormality associated with dietary excessive calcium carbonate in broiler chicks. Ogura Y. **Natl Inst Anim Health Q (Tokyo)** 1981 Fall;21(3):141–7
Pathology of experimental vitamin D deficiency in chickens and effects of treatment with vitamin D metabolites. Cheville NF, et al. **Vet Pathol** 1981 Sep;18(5):638–51

VITAMIN DEFICIENCY see **AVITAMINOSIS**

VITAMIN E

Interaction of vitamin E with saturated phospholipid bilayers. Massey JB, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):842–7

ADMINISTRATION & DOSAGE

Tocopherol in irradiation of experimental neoplasms. Influence of dose and administration. Kägerud A, et al. **Acta Radiol [Oncol]** 1981;20(2):97–100
Water–soluble fluorescent compounds in liver, lung, spleen, kidney, heart, and brain of vitamin E deficient and supplemented mice. Manwaring JD, et al. **J Nutr** 1981 Dec; 111(12):2172–9
Oral mucosal carcinogenesis in hamsters: inhibition by vitamin E. Shklar G. **JNCI** 1982 May;68(5):791–7
Effect of intramuscular vitamin E on frequency and severity of retrolental fibroplasia. A controlled trial. Finer NN, et al. **Lancet** 1982 May 15;1(8281):1087–91
Effects of the type of dietary fat at two levels of vitamin E in Wistar male rats during development and aging. IV. Biochemical and morphometric parameters of the heart. Porta EA, et al. **Mech Ageing Dev** 1982 Feb;18(2):159–99
[Therapeutic effectiveness of antioxidants in complex treatment of bronchial asthma in children] Olekhnovich VM, et al. **Pediatriia** 1982 Feb;(2):34–5 **(Rus)**
[Bioantioxidants in the complex treatment of chronic pneumonia in patients with iron ore pneumoconiosis] Koval'chuk AA, et al. **Ter Arkh** 1981;53(5):113–5 **(Rus)**
[Hemolytic anemia caused by vitamin E deficiency in the low–birth–weight neonate. II. Lack of response to oral vitamin E and recovery with the parenteral form] Bravo M, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):193–7 (Eng. Abstr.) **(Spa)**
[Hemolytic anemia caused by vitamin E deficiency in low birth weight neonates. II. Lack of response to oral vitamin E and recovery with the parenteral form] Bravo M, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):193–7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Safety of vitamin E therapy in low birth weight infants. **Nutr Rev** 1981 Mar;39(3):121–2 (7 ref.)
Possible dangers of vitamin E [letter] **Plast Reconstr Surg** 1982 Aug;70(2):274–5
Vitamin E and capsular contracture [letter] Ludin EN. **Plast Reconstr Surg** 1982 Jun;69(6):1029–30
An apparent rachitogenic effect of excessive vitamin E intakes in the chick. Murphy TP, et al. **Poult Sci** 1981 Aug; 60(8):1873–8

ANALOGS & DERIVATIVES

Effects of combination treatment with vitamins E and E on chloasma and pigmented contact dermatitis. A double blind controlled clinical trial. Hayakawa R, et al. **Acta Vitaminol Enzymol** 1981;3(1):31–8
Regulation of cell division in a human glioma cell clone by arachidonic acid and alpha–tocopherolquinone. Liepkalns VA, et al. **Cancer Lett** 1982 Feb;15(2):173–8
Effects of tocopherol (vitamin E) acid succinate on morphological alterations and growth inhibition in melanoma cells in culture. Prasad KN, et al. **Cancer Res** 1982 Feb;42(2):550–5
Vitamin E does not influence plasma lipoprotein metabolism in healthy subjects with normal nutritional status. Ehnholm C, et al. **Clin Chim Acta** 1982 Jun 3;121(3):321–5
IUPAC–IUB Joint Commission on Biochemical Nomenclature (JCBN). Nomenclature of tocopherols and related compounds. Recommendations 1981. **Eur J Biochem** 1982 Apr;123(3):473–5
Stereoisomers of alpha–tocopheryl acetate––characterization of the samples by physico–chemical methods and determination of biological activities in the rat resorption–gestation test. Weiser H, et al. **Int J Vitam Nutr Res** 1981;51(2):100–13
Occurrence of alpha–tocopherolquinone and alpha–tocopherolquinol in microorganisms. Hughes PE, et al. **J Bacteriol** 1982 Sep;151(3):1397–402
Studies on the in vivo absorption of micellar solutions of tocopherol and tocopheryl acetate in the rat: demonstration and partial characterization of a mucosal esterase localized to the endoplasmic reticulum of the enterocyte. Mathias PM, et al. **J Lipid Res** 1981 Jul;22(5):829–37
Uptake, transport and distribution of DL–alpha–tocopheryl acetate compared to D–alpha–tocopherol in rainbow trout (Salmo gairdneri). Hung SS, et al. **J Nutr** 1982 Aug; 112(8):1590–9
Biopotency of alpha–tocopherols as determined by curative myopathy bioassay in the rat. Machlin LJ, et al. **J Nutr** 1982 Jul;112(7):1437–40
On the occurrence of alpha–tocopherolquinone in rat tissue. Bieri JG, et al. **Lipids** 1981 Oct;16(10):777–9
Alpha tocopherol quinone (alpha TQ): a potent inhibitor of platelet function. Rao GH, et al. **Prog Lipid Res** 1981; 20:549–52
[Clinical evaluation of the effect of vitamin E on impaired reducing power and lipid metabolism in dialyzed patients (author's transl)] Kawaguchi S, et al. **Nippon Jinzo Gakkai Shi** 1981 Apr;23(4):411–22 (Eng. Abstr.) **(Jpn)**
[Effects of soysterol, pantethine and dl–alpha–tocopheryl nicotinate on hyperlipemia in rats (author's transl)] Nakayama S, et al. **Nippon Yakurigaku Zasshi** 1981 Sep; 78(3):191–202 (Eng. Abstr.) **(Jpn)**
[Activity of blood serum enzymes in alpha–tocopheryl acetate administered rats with experimental myocardial infarction] Gladchuk AB, et al. **Ukr Biokhim Zh** 1981 Jul–Aug;53(4):102–5 (Eng. Abstr.) **(Rus)**
[Ubiquinone content and the oxidative–reductive enzymatic system activity in the liver of vitamin E–deficient rats administered alpha–tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**
[Effectiveness of different alpha–tocopherol derivatives in preventing experimental muscular dystrophy in chickens] Donchenko GV, et al. **Vopr Med Khim** 1981 Nov–Dec; 27(6):760–3 (Eng. Abstr.) **(Rus)**
[Possibility of preventing muscular dystrophy in E avitaminosis with alpha–tocopheronolactone and diludin] Kovalenko VN, et al. **Vopr Pitan** 1982 Mar–Apr;(2):44–9 (Eng. Abstr.) **(Rus)**
[Antimutagenic action of alpha–tocopherol acetate in carbon tetrachloride poisoning in animals] Maganova NB, et al. **Vopr Pitan** 1982 Jan–Feb;(1):44–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Lipid peroxides and alpha–tocopherol in rat streptozotocin–induced diabetes mellitus. Higuchi Y. **Acta Med Okayama** 1982 Jun;36(3):165–75
A method for the routine determination of tocopherols in animal feed and human foodstuffs with the aid of high performance liquid chromatography. Manz U, et al. **Int J Vitam Nutr Res** 1981;51(4):342–8
Improved assay for alpha–tocopherol in the picogram range, using gas chromatography––mass spectrometry. Thomas DW, et al. **J Chromatogr** 1981 Oct 9;225(2):433–9
[Causes of disorders affecting the hatching and viability of broiler chicks] Stoianov P, et al. **Vet Med Nauki** 1982; 19(1):47–51 (Eng. Abstr.) **(Bul)**
[Effect of various doses of vitamin A on vitamin E and lipid levels in the liver and plasma of rats] Gronowska–Senger A, et al. **Rocz Panstw Zakl Hig** 1981;32(2):123–8 (Eng. Abstr.) **(Pol)**
[Chromatographic determination of vitamin E] Proksa B, et al. **Cesk Farm** 1981 Jul;30(6):192–4 (Eng. Abstr.) **(Slo)**

BLOOD

Distribution of alpha–tocopherol in human plasma lipoproteins. Behrens WA, et al. **Am J Clin Nutr** 1982 Apr; 35(4):691–6
Comparative sensitivities of tocopherol levels of platelets, red blood cells and plasma for estimating vitamin E nutritional status in the rat. Lehmann J. **Am J Clin Nutr** 1981 Oct;34(10):2104–10
Specific binding sites for D–alpha–tocopherol on human erythrocytes. Kitabchi AE, et al. **Biochim Biophys Acta** 1982 Jan 22;684(2):200–6
Fatty acid pattern of the erythrocyte lipids and plasma vitamin E in the first days of life. Ciccoli L, et al. **Biol Neonate** 1981;40(3–4):187–95
Vitamin E in clinical biochemistry. I. Tocopherolemia determination. Audisio M, et al. **Boll Soc Ital Biol Sper** 1981 Nov 15;57(21):2196–201
Improved direct determination of alpha– and gamma–tocopherols in plasma and platelets by liquid chromatography, with fluorescence detection. Lehmann J, et al. **Clin Chem** 1982 Aug;28(8):1784–7
Some lots of xylene contain substance(s) interfering with tocopherol assay [letter] Zaidman JL, et al. **Clin Chem** 1982 Feb;28(2):388–9
Studies on interactions of vitamin E with thiamine, niacin and vitamin B12. Nadiger HA, et al. **Clin Chim Acta** 1981 Oct 8;116(1):9–16
Automated colorimetric determination of alpha–tocopherol. Sloan JC, et al. **Clin Chim Acta** 1982 Mar 12;119(3):197–207
Changes of alpha–tocopherol levels in red blood cells and plasma with respect to hemolysis induced by dialuric acid in vitamin E–deficient rats. Mino M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(3):199–207
Selenium and vitamin E status in cystic fibrosis. Castillo R, et al. **J Pediatr** 1981 Oct;99(4):583–5
Vitamin E status in cystic fibrosis [letter] Sokol RJ. **J Pediatr** 1982 Mar;100(3):512–3
Vitamin E levels in hemodialysis patients [letter] De Bevere VO, et al. **JAMA** 1982 May 7;247(17):2371
Vitamin status during total parenteral nutrition. Stromberg P, et al. **JPEN** 1981;5(4):295–9
First proof that vitamin E is major lipid–soluble, chain–breaking antioxidant in human blood plasma [letter] Burton GW, et al. **Lancet** 1982 Aug 7;2(8293):327
Determination of serum tocopherols by high performance liquid chromatography. Kato H, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):740–6
Serum vitamin E concentration in patients with severe multiple handicaps treated with anticonvulsants. Higashi A, et al. **Pediatr Pharmacol (New York)** 1980;1(2):129–34
Influence of dietary selenium on performance, tissue selenium content, and plasma concentrations of selenium–dependent glutathione peroxidase, vitamin E, and ascorbic acid in ducklings. Dean WF, et al. **Poult Sci** 1981 Dec; 60(12):2655–63
[Changes in lipid peroxide and alpha–tocopherol levels of pregnant serum lipoproteins (author's transl)] Maseki M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Aug; 33(8):1147–56 (Eng. Abstr.) **(Jpn)**
[On the vitamin E metabolism of diabetic patients (author's transl)] Yasuda K, et al. **Rinsho Byori** 1981 Jun;29(6):586–89 **(Jpn)**
[Effect of various doses of vitamin A on vitamin E and lipid levels in the liver and plasma of rats] Gronowska–Senger A, et al. **Rocz Panstw Zakl Hig** 1981;32(2):123–8 (Eng. Abstr.) **(Pol)**
[Vitamin E: serum levels in men, normal and pregnant women] González–Treviño J, et al. **Bol Med Hosp Infant Mex** 1982 May;39(5):327–32 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Specific and nonspecific immunity indices in a varying vitamin E allowance in rats] Pletsityl KD, et al. **Vopr Med Khim** 1981 Sep–Oct;27(5):669–72 (Eng. Abstr.) **(Rus)**

METABOLISM

Tissue storage of vitamins A and E in rats drinking or infused with total parenteral nutrition solutions. McKenna MC, et al. **Am J Clin Nutr** 1982 May;35(5):1010–7
Interaction of alpha–tocopherol with diphenylpicryl hydrazyl. A means to determine the polarity of the environment around alpha–tocopherol and its binding with lipids. Muralikrishna Rao A, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):134–7
Effect of dietary vicine and vitamin E supplementation on the productive performance of growing and laying chickens. Muduuli DS, et al. **Br J Nutr** 1982 Jan; 47(1):53–60
Enhancement of the transfer of alpha–tocopherol between liposomes and mitochondria by rat–liver protein(s). Mowri H, et al. **Eur J Biochem** 1981 Jul;117(3):537–42
Localization of alpha–tocopherol in hepatic chromatin from rats maintained on a tocopherol–deficient diet. Patnaik RN. **Int J Biochem** 1981;13(10):1087–94
Vitamins and alcoholism. X. Vitamin D, XI, Vitamin E, XII. Vitamin K. Bonjour JP. **Int J Vitam Nutr Res** 1981; 51(3):307–18 (30 ref.)
Membrane transfer of alpha–tocopherol. Influence of soluble alpha–tocopherol–binding factors from the liver, lung, heart, and brain of the rat. Murphy DJ, et al. **J Biol Chem** 1981 Oct 25;256(20):10464–8
Quantitation of physiological alpha–tocopherol, metabolites, and related compounds by reversed–phase high–performance chromatography. Howell SK, et al. **J Chromatogr** 1982 Jan 8;227(1):174–80
Studies on the in vivo absorption of micellar solutions of tocopherol and tocopheryl acetate in the rat: demonstration and partial characterization of a mucosal esterase localized to the endoplasmic reticulum of the enterocyte. Mathias PM, et al. **J Lipid Res** 1981 Jul;22(5):829–37
Reversal by bile acid on the inhibition of alpha–tocopherol absorption by retinoic acid. Bieri JG, et al. **J Nutr** 1982 Feb;112(2):401–3
Tissue distribution, uptake, and requirement for

alpha-tocopherol of rainbow trout (Salmo gairdneri) fed diets with a minimal content of unsaturated fatty acids. Cowey CB, et al. **J Nutr** 1981 Sep;111(9):1556–67

Uptake, transport and distribution of DL-alpha-tocopheryl acetate compared to D-alpha-tocopherol in rainbow trout (Salmo gairdneri). Hung SS, et al. **J Nutr** 1982 Aug; 112(8):1590–9

Vitamin E response to high dietary vitamin A in the chick. Sklan D, et al. **J Nutr** 1982 Apr;112(4):759–65

Tocopherol absorption and metabolism in the chick and turkey. Sklan D, et al. **J Nutr** 1982 Jul;112(7):1394–400

Vitamin A and E requirements during total parenteral nutrition. Kishi H, et al. **JPEN** 1981 Sep–Oct;5(5):420–3

Effect of ozone exposure on growth, nutritional encephalopathy, and fatty acid composition of cerebellum and lungs in the young chick. Bartov I, et al. **Poult Sci** 1981 Mar;60(3):532–40

The metabolism of the fat-soluble vitamins. Olson JA. **Prog Clin Biol Res** 1981;77:137–46

Absorption mechanisms for fat-soluble vitamins and the effect of other food constituents. Weber F. **Prog Clin Biol Res** 1981;77:119–35 (55 ref.)

[Biological activity of vitamin E in feed mixtures with a varying santoquin content] Zhekov R, et al. **Vet Med Nauki** 1981;18(1):77–83 (Eng. Abstr.) **(Bul)**

[The effect of long-term vitamin C deficiency on the metabolism of fat-soluble vitamins A and E in guinea pigs] Hrubá F, et al. **Cesk Gastroenterol Vyz** 1981 Aug; 35(6):292–8 (Eng. Abstr.) **(Cze)**

[How large is the tocopherol accumulation capacity of organs? Long term trials with various high oral alpha-tocopherol doses administered to rats and guinea pigs] Elmadfa I, et al. **Int J Vitam Nutr Res** 1981; 51(3):284–92 (Eng. Abstr.) **(Ger)**

[Relations between lipid peroxide formation, and mixed function oxidase, glutathione peroxidase and vitamin E in the liver of rats given polychlorinated biphenyls (PCB) (author's transl)] Saito M, et al. **Fukuoka Igaku Zasshi** 1981 Apr;72(4):142–8 (Eng. Abstr.) **(Jpn)**

[Lipid metabolism in relation to vitamin (author's transl)] Noma A. **Rinsho Byori** 1981 Jun;29(6):590–5 **(Jpn)**

[Hepato-enteral recirculation of tocopherol in the animal body] Serebriakov NG, et al. **Med Radiol (Mosk)** 1981 Aug; 26(8):47–51 **(Rus)**

[Kinetics of the organ and tissue distribution of D-alpha-(5 methyl-3H)-tocopherol as a function of the age of animals] Spryshkova RA, et al. **Vopr Med Khim** 1981 Nov–Dec; 27(6):835–40 (Eng. Abstr.) **(Rus)**

[Possibility of preventing muscular dystrophy in E avitaminosis with alpha-tocopheronolactone and diludin] Kovalenko VN, et al. **Vopr Pitan** 1982 Mar–Apr;(2):44–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of the plasminogen activator urokinase by alpha-tocopherol. Ogston D. **Acta Haematol (Basel)** 1982; 67(2):114–8

Effect of vitamin E on prothrombin levels in warfarin-induced vitamin K deficiency. Corrigan JJ Jr, et al. **Am J Clin Nutr** 1981 Sep;34(9):1701–5

Lack of effect of tocopherol on plasma lipids and lipoproteins in man. Kesaniemi YA, et al. **Am J Clin Nutr** 1982 Aug; 36(2):224–8

Vitamin E does not modify HDL-cholesterol. Howard DR, et al. **Am J Clin Pathol** 1982 Jan;77(1):86–9

The effect of tocopherol on high-density lipoprotein cholesterol [letter] Schwartz PL, et al. **Am J Clin Pathol** 1981 Dec;76(6):843–5

Effects of vitamin E on mixed lymphocyte cultures. Davey FR, et al. **Am Nutr Metab** 1982;26(3):171–7

Effects of vitamin E, ascorbic acid and mannitol on alloxan-induced lipid peroxidation in rats. Dillard CJ, et al. **Arch Biochem Biophys** 1982 Jun;216(1):204–12

Stabilization of cholic acid uptake in primary cultures of hepatocytes by dexamethasone and tocopherol. Galivan J. **Arch Biochem Biophys** 1982 Apr 1;214(2):850–2

The influence of vitamin E on membrane lipids of mouse fibroblasts in culture. Giasuddin AS, et al. **Arch Biochem Biophys** 1981 Aug;210(1):348–62

The composition of alkanes in exhaled air of rats as a result of lipid peroxidation in vivo. Effects of dietary fatty acids, vitamin E and selenium. Kivits GA, et al. **Biochim Biophys Acta** 1981 Sep 24;665(3):559–70

Vitamin E-enriched lipoproteins increase longevity of neurons in vitro. Halks-Miller M, et al. **Brain Res** 1981 Oct;254(3):439–47

Effects of excess vitamin E on rat teeth. Alam SQ, et al. **Calcif Tissue Int** 1981;33(6):619–22

Modelling cortical cataractogenesis: 3. In vivo effects of vitamin E on cataractogenesis in diabetic rats. Ross WM, et al. **Can J Ophthalmol** 1982 Apr;17(2):61–6

Effects of dietary vitamin E and selenium on the mixed-function oxygenase system of male and female chicks. Pilch SM, et al. **Comp Biochem Physiol [C]** 1981; 69(2):331–5

Protective effects of vitamin E on methylmercury toxicity in the dorsal root ganglia. Yip RK, et al. **Environ Res** 1982 Jun;28(1):84–95

Protective effects of vitamin E and dithiothreitol against the hemolysis of rat and goat erythrocytes induced by Tween 20 with or without ascorbic acid and azide. Hamada T, et al. **Experientia** 1982 Apr 15;38(4):462–7

alpha-Tocopherol reduces fluorescent age pigment levels in heart and brain of young mice. Kruk P, et al. **Experientia** 1981 Dec 15;37(12):1301–2

Inhibition of differentiation of mouse myeloid leukemia cells by phenolic antioxidants and alpha-tocopherol. Takenaga K, et al. **Gan** 1981 Feb;72(1):104–12

Effect of vitamin E on cell-mediated immune responses and serum corticosterone in young and maturing mice. Lim TS, et al. **Immunology** 1981 Oct;44(2):289–95

Synergism between vitamins C and E: effect on microsomal hydroxylation in guinea pig liver. Ginter E, et al. **Int J Vitam Nutr Res** 1982;52(1):55–9

Effects of dietary fat and vitamin E on the liquid composition and stability of veal during frozen storage. Shorland FB, et al. **J Agric Food Chem** 1981 Jul–Aug;29(4):863–71

Vitamin E for swine. Ullrey DE. **J Anim Sci** 1981 Oct; 53(4):1039–56

Influence of vitamin E on the effect of vitamin A derivatives on digestive glands of rats. Koh CJ, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):455–8

Effects of dietary selenium and vitamin E on hepatic mixed-function oxidase activities and in vivo covalent binding of aflatoxin B1 in rats. Chen J, et al. **J Nutr** 1982 Feb;112(2):324–31

Effects of dietary selenium and vitamin E on covalent binding of aflatoxin to chick liver cell macromolecules. Chen J, et al. **J Nutr** 1982 Feb;112(2):350–5

In vitro and in vivo effects of vitamin E on arachidonic acid metabolism in rat platelets. Hwang DH, et al. **J Nutr** 1982 Jun;112(6):1233–7

Effect of vitamin E as an immunopotentiation agent for mice at optimal dosage and its toxicity at high dosage. Yasunaga T, et al. **J Nutr** 1982 Jun;112(6):1075–84

The effect of vitamin E on platelet kinetics of stroke-prone spontaneously hypertensive rats (SHRSP). Koganemaru S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1982 Feb;28(1):1–10

Effect of DL-alpha-tocopherol (vitamin E) on the differentiation of mouse myeloid leukemia cell. Sakagami H, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):291–300

Inhibitory effect of vitamin E on vitamin B2-aldehyde-forming enzyme in Schizophyllum commune. Tachibana S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981; 27(1):67–9

Vitamin E supplementation and respiratory effects of ozone in humans. Hackney JD, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):383–90

Effect of alpha-tocopherol on sodium arachidonate-induced pulmonary embolism with platelet aggregates. Motomiya T, et al. **Jpn Circ J** 1981 Nov;45(11):1297–305

Influence of vitamin E and nitrogen dioxide on lipid peroxidation in rat lung and liver microsomes. Sevanian A, et al. **Lipids** 1982 Apr;17(4):269–77

Effect of alpha-Tocopherol on endotoxicosis. Sakaguchi O, et al. **Microbiol Immunol** 1981;25(8):787–99

Effects of enrichment of phosphatidylcholine liposomes with cholesterol or alpha-tocopherol on the response of lymphocytes to phytohemagglutinin. Fountain MW, et al. **Mol Immunol** 1982 Jan;19(1):59–64

Effect of vitamin E on prostanoid biosynthesis. **Nutr Rev** 1981 Aug;39(8):317–20 (8 ref.)

Vitamin E does not prevent oxygen-induced lung injury in newborn lambs. Hansen TN, et al. **Pediatr Res** 1982 Jul; 16(7):583–7

Effects of vitamin E and selenium on copper-induced lipid peroxidation in vivo and on acute copper toxicity. Dougherty JJ, et al. **Proc Soc Exp Biol Med** 1982 Feb; 169(2):201–8

In vitro effects of synthetic antioxidants and vitamin E on arachidonic acid metabolism and thromboxane formation in human platelets and on platelet aggregation. Agradi E, et al. **Prostaglandins** 1981 Aug;22(2):255–66

Modulation of Platelet thromboxane A2 and arterial prostacyclin by dietary vitamin E. Karpen CW, et al. **Prostaglandins** 1981 Oct;22(4):651–61

Influence of tocopherol, its chromane compound, phytyl chains and superoxide dismutase on increased vascular resistance and permeability due to arachidonate metabolism in isolated rabbit lung. Seeger W, et al. **Prostaglandins** 1982 Feb;23(2):175–84

Effect of dietary vitamin E and selenium on the phytohaemagglutinin response of pig lymphocytes. Larsen HJ, et al. **Res Vet Sci** 1981 Nov;31(3):301–5

Studies of the mode of action of vitamin E in stimulating T-cell mitogenesis. Corwin LM, et al. **Scand J Immunol** 1981 Nov;14(5):565–71

Increased haematopoietic stem cell survival in mice injected with tocopherol after X-irradiation. Roy RM, et al. **Strahlentherapie** 1982 May;158(5):312–8

Protective effects of alpha-tocopherol and coenzyme Q10 on warm ischemic damages of the rat kidney. Takenaka M, et al. **Transplantation** 1981 Aug;32(2):137–41

Effects of vitamins A, D3, E, and C on the characteristics of bull semen. Kozicki L, et al. **Zentralbl Veterinarmed [A]** 1981;28(7):538–46

[The antioxidative chromane structure of alpha-tocopherol protects against the consequences of arachidonic acid release in the pulmonary vascular bed (author's transl)] Wolf H, et al. **Klin Wochenschr** 1981 May 4;59(9):463–5 (Eng. Abstr.) **(Ger)**

[Myocardial accumulation of 99mTc MDP in patients subjected to extended adriblastin treatment. Protective effect of strophanthin and vitamin E] Ciambellotti E. **Minerva Med** 1982 Jan 14;73(1–2):21–4 (Eng. Abstr.) **(Ita)**

[Vitamin E and experimental caries in rats fed a cariogenic diet and zinc] Rapisarda F, et al. **Minerva Stomatol** 1981 Jul–Aug;30(4):313–6 (Eng. Abstr.) **(Ita)**

[The effect of vitamin E on the serum lipid-peroxide and uric acid in the hemorrhagic shock rabbit (author's transl)] Adachi H, et al. **Masui** 1982 Apr;31(4):360–3 (Eng. Abstr.) **(Jpn)**

[Effect of vitamin E on the retinal vascular endothelial cells of spontaneously hypertensive rats (SHR) (author's transl)] Kohchi K. **Nippon Ganka Gakkai Zasshi** 1981 Oct 10; 85(10):1733–49 (Eng. Abstr.) **(Jpn)**

[The effect of vitamin E on aging of granular perithelial cell in cerebral fine vessels of rat (author's transl)] Mato M, et al. **Nippon Ronen Igakkai Zasshi** 1981 May;18(3):169–78 (Eng. Abstr.) **(Jpn)**

[The protective effect of vitamin E on the hepatotoxic effects of CS2 in male albino rats of Wistar strain (author's transl)] Onodera M, et al. **Sangyo Igaku** 1981 May;23(3):300–4 (Eng. Abstr.) **(Jpn)**

[Interrelationship between the level of natural antioxidants and lipid oxidation in the normal mouse liver and after injection of alpha-tocopherol] Burlakova EB, et al. **Biokhimiia** 1982 May;47(5):822–6 (Eng. Abstr.) **(Rus)**

[Effect of alpha-tocopherol on the mutagenic repair pathways in Escherichia coli cells] Kalinina LM, et al. **Genetika (Moskva)** 1981;17(9):1644–8 (Eng. Abstr.) **(Rus)**

[Alpha-tocopherol and actinomycin D regulation of ubiquinone and protein biosynthesis in rat liver in E-hypovitaminosis] Donchenko GV, et al. **Ukr Biokhim Zh** 1981 Sep–Oct;53(5):69–72 (Eng. Abstr.) **(Rus)**

[Ubiquinone content and the oxidative-reductive enzymatic system activity in the liver of vitamin E-deficient rats administered alpha-tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**

[Effect of vitamin E and actinomycin D on biosynthesis of the isoprenoid part of ubiquinone molecule] Palivoda OM, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):53–5 **(Rus)**

[Vitamin E megadoses and their effect on HDL cholesterol levels in patients with atherosclerotic complications (author's transl)] Turay J, et al. **Cas Lek Cesk** 1981 Dec 3;120(48):1432–4 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

The role of vitamin E in the nutrition of premature infants [letter] Oski FA, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2599–601

[Recent nutrition biochemical findings on the importance of vitamion E and selenium in man and animal] Kolb E. **Z Gesamte Inn Med** 1982 Jan 15;37(2):37–42 (Eng. Abstr.) **(Ger)**

POISONING

Vitamin E toxicity [letter] Kligman AM. **Arch Dermatol** 1982 May;118(5):289

THERAPEUTIC USE

Blood glutathione-peroxidase levels in skin diseases: effect of selenium and vitamin E treatment. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1982;62(3):211–4

Vitamin E supplements and plasma high-density lipoprotein cholesterol [letter] Barboriak JJ, et al. **Am J Clin Pathol** 1982 Mar;77(3):371

Vitamin E [letter] Grant PD. **Can Med Assoc J** 1982 May 15;126(10):1153

Synergism of vitamins A and E in acne vulgaris [letter] Ayres S Jr, et al. **Int J Dermatol** 1981 Nov;20(9):616

Effect of vitamin E administration on photoreceptor outer segment and retinal pigment epithelium of vitamin E deficient rats. Amemiya T. **Int J Vitam Nutr Res** 1981; 51(2):114–8

Retained placenta of Holstein cows treated with selenium and vitamin E. Segerson EC, et al. **J Dairy Sci** 1981 Sep; 64(9):1833–6

Progressive neuromuscular disease in children with chronic cholestasis and vitamin E deficiency: diagnosis and treatment with alpha tocopherol. Guggenheim MA, et al. **J Pediatr** 1982 Jan;100(1):51–8

The effect of vitamin E prophylaxis on the incidence and severity of bronchopulmonary dysplasia. Saldanha RL, et al. **J Pediatr** 1982 Jul;101(1):89–93

Vitamin E and RLF [editorial] Rosenbaum AL. **J Pediatr Ophthalmol Strabismus** 1982 Jul–Aug;19(4):5–6

Vitamin E [letter] Archer J. **JAMA** 1982 Jan 1;247(1):29

Effects of vitamin E [letter] Gaby AR, et al. **JAMA** 1982 Sep 3;248(9):1066

Association of spinocerebellar disorders with cystic fibrosis or chronic childhood cholestasis and very low serum vitamin E. Elias E, et al. **Lancet** 1981 Dec 12; 2(8259):1319–21

Vitamin E in retrolental fibroplasia [letter] **N Engl J Med** 1982 Apr 8;306(14):866–8

Retrolental fibroplasia: efficacy of vitamin E in a double-blind clinical study of preterm infants. Hittner HM, et al. **N Engl J Med** 1981 Dec 3;305(23):1365–71

Pharmacy update: vitamins: part 4. Elmer G. **Nurse Pract** 1982 Feb;7(2):26–9

A possible vitamin E-responsive condition in adult horses

[letter] Dewes HF. **NZ Vet J** 1981 May;29(5):83–4
Influence on retrolental fibroplasia of intramuscular vitamin E administration during respiratory distress syndrome. Puklin JE, et al. **Ophthalmology (Rochester)** 1982 Feb; 89(2):96–103
Effects of alpha-tocopherol treatment on newborn rat lung development and injury in hyperoxia. Bucher JR, et al. **Pediatr Pharmacol (New York)** 1982;2(1):1–9
Retinal superoxide dismutase activity in newborn kittens exposed to normobaric hyperoxia: effect of vitamin E. Bougle D, et al. **Pediatr Res** 1982 May;16(5):400–2
Vitamin E and retrolental fibroplasia in 1982. Phelps DL. **Pediatrics** 1982 Sep;70(3):420–5
The effectiveness of alpha-tocopherol (vitamin E) in reducing the incidence of spherical contracture around breast implants. Baker JL Jr. **Plast Reconstr Surg** 1981 Nov; 68(5):696–9
Protection by alpha-tocopherol and dimethylsulfoxide (DMSO) against adriamycin induced skin ulcers in the rat. Svingen BA, et al.
Res Commun Chem Pathol Pharmacol 1981 Apr; 32(1):189–92
Swine dysentery: the influence of dietary vitamin E and selenium on the clinical and pathological effects of Treponema hyodysenteriae infection in pigs. Teige J, et al. **Res Vet Sci** 1982 Jan;32(1):95–100
Vitamin E and retrolental fibroplasia [editorial]
S Afr Med J 1982 Feb 20;61(8):258
[Effect of vitamin B1 and vitamin E on methionine poisoning in broiler chickens] Nikov S, et al. **Vet Med Nauki** 1981; 18(7):83–7 (Eng. Abstr.) **(Bul)**
[Epidermolysis bullosa acquisita: diagnosis by optic immunofluorescent demonstration of junctional antigens and vitamin E treatment] Hintner H, et al. **Hautarzt** 1982 Jun;33(6):310–4 (Eng. Abstr.) **(Ger)**
[Vitamin prophylaxis for immature infant anemia (author's transl)] Gavinelli R, et al. **Acta Vitaminol Enzymol** 1980; 2(5–6):163–70 (Eng. Abstr.) **(Ita)**
[Preventive role of vitamins in some old age diseases (author's transl)] Passeri M. **Acta Vitaminol Enzymol** 1980; 2(5–6):147–62 (Eng. Abstr.) **(Ita)**
[Prevention of stress injury to the heart and its hypoxic contracture by using the natural antioxidant alpha-tocopherol] Meerson FZ, et al. **Kardiologiia** 1982; 22(7):89–94 (Eng. Abstr.) **(Rus)**
[Effect of antioxidants on lipid metabolism and fibrogenesis disorders in lung tissue in experimental silicosis] Babushkina LG, et al. **Vopr Med Khim** 1981;27(4):466–9 (Eng. Abstr.) **(Rus)**
[Effect of sodium selenite, vitamin E, retabolil and their combination on the ATP, creatine phosphate and inorganic phosphorus content of organs of rats of different ages in the 'aurantin' model of hypotrophy] Mazgutov VZ, et al. **Vopr Pitan** 1981 Jul–Aug;(4):37–41 (Eng. Abstr.) **(Rus)**
[Effect of vitamin E on the blood serum histamine content and histaminase activity in coronary arteriosclerosis] Allianova LN. **Vrach Delo** 1982 Jun;(6):61–4 (Eng. Abstr.) **(Rus)**

TOXICITY

A lethal hypervitaminosis A syndrome in young monkeys (Macacus fascicularis) following a single intramuscular dose of a water-miscible preparation containing vitamins A, D2 and E. Macapinlac MP, et al.
Int J Vitam Nutr Res 1981;51(4):331–41

VITAMIN E DEFICIENCY

BLOOD

Glutathione peroxidase activity and erythrocyte stability in calves differing in selenium and vitamin E status. Siddons RC, et al. **Br J Nutr** 1981 Sep;46(2):345–55
Biochemical and ultrastructural alterations in platelets, reticulocytes, and lymphocytes from rats fed vitamin E-deficient diets. Lehmann J, et al. **J Lipid Res** 1982 Feb; 23(2):299–306
The effect of vitamin E deficiency on some platelet membrane properties. Whitin JC, et al. **J Lipid Res** 1982 Feb;23(2):276–82
In vitro and in vivo effects of vitamin E on arachidonic acid metabolism in rat platelets. Hwang DH, et al. **J Nutr** 1982 Jun;112(6):1233–7
Effects of vitamin E deficiency on the relative incorporation of 14C-arachidonate into platelet lipids of rabbits. Tangney CC, et al. **J Nutr** 1981 Oct;111(10):1839–47
Changes of alpha-tocopherol levels in red blood cells and plasma with respect to hemolysis induced by dialuric acid in vitamin E-deficient rats. Mino M, et al.
J Nutr Sci Vitaminol (Tokyo) 1981;27(3):199–207

CHEMICALLY INDUCED

Serum vitamin E concentration in patients with severe multiple handicaps treated with anticonvulsants. Higashi A, et al. **Pediatr Pharmacol (New York)** 1980;1(2):129–34

COMPLICATIONS

Vitamin E deficiency in Werdnig–Hoffmann disease. Shapira Y, et al. **Ann Neurol** 1981 Sep;10(3):266–8
Nutritional myopathy in ducklings: a growth rate-dependent symptom of 'tissue peroxidosis' due to a net nutritional shortage of vitamin E plus selenium in skeletal muscle. Vos J, et al. **Ann Nutr Metab** 1981;25(5):299–306
Progressive neuromuscular disease in children with chronic cholestasis and vitamin E deficiency: diagnosis and treatment with alpha tocopherol. Guggenheim MA, et al. **J Pediatr** 1982 Jan;100(1):51–8
Association of spinocerebellar disorders with cystic fibrosis or chronic childhood cholestasis and very low serum vitamin E. Elias E, et al. **Lancet** 1981 Dec 12; 2(8259):1319–21
Multiple sclerosis and infants fed on diets deficient in vitamin A or in selenium and vitamin E. Warren TR.
Med Hypotheses 1982 May;8(5):443–54
Neuromyopathy and vitamin E deficiency in man. Burck U, et al. **Neuropediatrics** 1981 Aug;12(3):267–78
[Rare nutritional anemias: copper and vitamin E deficiencies (author's transl)] Freycon F, et al. **Ann Pediatr (Paris)** 1982 Apr;29(4):265–70 (Eng. Abstr.) **(Fre)**
[Efficiency of ubiquinone and p-oxybenzoic acid in prevention of E-hypovitaminosis-induced development of muscular dystrophy] Kuz'menko IV, et al.
Ukr Biokhim Zh 1981 Sep–Oct;53(5):73–9 (Eng. Abstr.) **(Rus)**
[Possibility of preventing muscular dystrophy in E avitaminosis with alpha-tocopheronolactone and diludin] Kovalenko VN, et al. **Vopr Pitan** 1982 Mar–Apr;(2):44–9 (Eng. Abstr.) **(Rus)**
[Hemolytic anemia caused by vitamin E deficiency in the low-birth-weight neonate. II. Lack of response to oral vitamin E and recovery with the parenteral form] Bravo M, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):193–7 (Eng. Abstr.) **(Spa)**
[Hemolytic anemia caused by vitamin E deficiency in low birth weight neonates. II. Lack of response to oral vitamin E and recovery with the parenteral form] Bravo M, et al. **Rev Chil Pediatr** 1981 May–Jun;52(3):193–7 (Eng. Abstr.) **(Spa)**
[Hemolytic anemia caused by vitamin E deficiency in the low birth weight neonate. I. Effect of feeding: mother's milk and NAN formula] Corrales R, et al.
Rev Chil Pediatr 1981 Mar–Apr;52(2):139–43 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Comparative sensitivities of tocopherol levels of platelets, red blood cells and plasma for estimating vitamin E nutritional status in the rat. Lehmann J.
Am J Clin Nutr 1981 Oct;34(10):2104–10
[Chronic cholestasis and progressive neuromyopathy. Diagnostic problems and therapeutic possibilities in a vitamin E deficiency disease (author's transl)] Pothmann R, et al. **Monatsschr Kinderheilkd** 1982 Jul;130(7):562–4 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Biopotency of alpha-tocopherols as determined by curative myopathy bioassay in the rat. Machlin LJ, et al.
J Nutr 1982 Jul;112(7):1437–40
Pharmacy update: vitamins: part 4. Elmer G. **Nurse Pract** 1982 Feb;7(2):26–9

IMMUNOLOGY

[Specific and nonspecific immunity indices in a varying vitamin E allowance in rats] Pletsityl KD, et al.
Vopr Med Khim 1981 Sep–Oct;27(5):669–72 (Eng. Abstr.) **(Rus)**

METABOLISM

Decreased prostacyclin synthesis in vitamin E-deficient rabbit aorta. Chan AC, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2341–7
Effect of vitamin E deficiency on rabbit intramuscular collagen. Chizzolini R, et al. **Am J Clin Nutr** 1982 May; 35(5):1018–22
Localization of alpha-tocopherol in hepatic chromatin from rats maintained on a tocopherol-deficient diet. Patnaik RN. **Int J Biochem** 1981;13(10):1087–94
Effect of selenium deficiency and vitamin E deficiency on glutathione metabolism in isolated rat hepatocytes. Hill KE, et al. **J Biol Chem** 1982 Sep 25;257(18):10668–72
Effects of ferrous chloride and iron dextran on lipid peroxidation in vivo in vitamin E and selenium adequate and deficient rats. Dougherty JJ, et al. **J Nutr** 1981 Oct; 111(10):1784–96
Water-soluble fluorescent compounds in liver, lung, spleen, kidney, heart, and brain of vitamin E deficient and supplemented mice. Manwaring JD, et al. **J Nutr** 1981 Dec; 111(12):2172–9
Effect of selenium and vitamin E deficiency on nitrofurantoin toxicity in the chick. Peterson FJ, et al. **J Nutr** 1982 Sep; 112(9):1741–6
Modulation of Platelet thromboxane A2 and arterial prostacyclin by dietary vitamin E. Karpen CW, et al.
Prostaglandins 1981 Oct;22(4):651–61
Effect of tocopherol deficiency on lipid metabolism in arterial wall of spontaneously hypertensive rats on normal and high cholesterol diets. Murano S, et al. **Tohoku J Exp Med** 1982 Jan;136(1):29–34
[Heart muscle mitochondria function in alpha-tocopherol deficient rabbits. (author's transl)] Guarnieri C, et al.
Acta Vitaminol Enzymol 1981;3(2):86–90 (Eng. Abstr.) **(Ita)**
[The alteration of Ca2+-dependent ATPase and 45Ca-calcium uptake in sarcoplasmic reticulum of atrophied muscles derived from vitamin E deficient rats] Morikubo H. **Nippon Ika Daigaku Zasshi** 1982 Apr; 49(2):191–203 (Eng. Abstr.) **(Jpn)**
[Alpha-tocopherol and actinomycin D regulation of ubiquinone and protein biosynthesis in rat liver in E-hypovitaminosis] Donchenko GV, et al.
Ukr Biokhim Zh 1981 Sep–Oct;53(5):69–72 (Eng. Abstr.) **(Rus)**
[Ubiquinone content and the oxidative-reductive enzymatic system activity in the liver of vitamin E-deficient rats administered alpha-tocopherol and its chlorine derivative] Donchenko GV, et al. **Vopr Med Khim** 1981 Sep–Oct; 27(5):707–10 **(Rus)**
[Effect of vitamin E and actinomycin D on biosynthesis of the isoprenoid part of ubiquinone molecule] Palivoda OM, et al. **Vopr Med Khim** 1982 Jan–Feb;28(1):53–5 **(Rus)**

OCCURRENCE

The prevalence and possible causes of fat-soluble vitamin deficiencies in the world. McLaren DS.
Prog Clin Biol Res 1981;77:99–107

PATHOLOGY

Vitamin E deficiency as hepatic peroxisomal proliferator: electron microscopic evidence. Dabholkar AS.
Cell Biol Int Rep 1981 Sep;5(9):851–5
Effects of antioxidant nutrient deficiency on the retina and retinal pigment epithelium of albino rats: a light and electron microscopic study. Katz ML, et al.
Exp Eye Res 1982 Mar;34(3):339–69
Effect of vitamin E administration on photoreceptor outer segment and retinal pigment epithelium of vitamin E deficient rats. Amemiya T. **Int J Vitam Nutr Res** 1981; 51(2):114–8

PHYSIOPATHOLOGY

Extra-week chemiluminescence of organ homogenate and blood in tocopherol-deficient rats. Miyazawa T, et al.
J Nutr Sci Vitaminol (Tokyo) 1981;27(5):415–23

VETERINARY

Effect of vitamin E deficiency on the proliferative response of canine lymphocytes. Langweiler M, et al.
Am J Vet Res 1981 Oct;42(10):1681–5
Amounts of twelve elements required to induce selenium–vitamin E deficiency in ducklings. Van Vleet JF.
Am J Vet Res 1982 May;43(5):851–7
Amounts of eight combined elements required to induce selenium–vitamin E deficiency in ducklings and protection by supplements of selenium and vitamin E. Van Vleet JF.
Am J Vet Res 1982 Jun;43(6):1049–55
Comparative efficacy of five supplementation procedures to control selenium–vitamin E deficiency in swine. Van Vleet JF. **Am J Vet Res** 1982 Jul;43(7):1180–9
Nutritional myopathy in ducklings: a growth rate-dependent symptom of 'tissue peroxidosis' due to a net nutritional shortage of vitamin E plus selenium in skeletal muscle. Vos J, et al. **Ann Nutr Metab** 1981;25(5):299–306
Vitamin E for swine. Ullrey DE. **J Anim Sci** 1981 Oct; 53(4):1039–56
Influences of dietary vitamin E and selenium on the oxidant defense system of the chick. Combs GF Jr. **Poult Sci** 1981 Sep;60(9):2098–105
Reproduction of nutritional degenerative myopathy in the post ruminant calf. Rice DA, et al. **Vet Rec** 1981 Aug 22; 109(8):161–2

VITAMIN G see **RIBOFLAVIN**

VITAMIN H see **BIOTIN**

VITAMIN K

Identity of peroxy radical produced from vitamin K in oxygenated solutions as studied by pulse radiolysis technique. Rao PS, et al.
Biochem Biophys Res Commun 1982 Mar 15;105(1):231–5
Biochemistry of the vitamin K-dependent clotting factors. Jackson CM, et al. **Prog Clin Biol Res** 1981;72:27–56 (124 ref.)
[Present status of vitamin K] Sann L, et al. **Pediatrie** 1981 Oct–Nov;36(7):571–5 **(Fre)**

ADMINISTRATION & DOSAGE

[Drug eruption by solution trioxyethylene hydrogenated castor oil (HCO–60) in vitamin K2 (author's transl)] Okabe S. **Nippon Hifuka Gakkai Zasshi** 1981 Jun;91(7):759–62 **(Jpn)**
[Effect of vitamin K on glycolytic activity of erythrocytes of rats with hypervitaminosis D] Grozina AA, et al.
Vopr Pitan 1981 Sep–Oct;(5):23–5 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Occupational dermatosis by vitamin K3 sodium bisulphite. Camarasa JG, et al. **Contact Dermatitis** 1982 Jul;8(4):268
6-211 At-astato-2-methyl-1,4-naphthoquinol bis (disodium

phosphate): a novel alpha-emitting potential anti-tumour drug. Brown I. **Int J Appl Radiat Isot** 1982 Jan;33(1):75–6

Biosynthesis of menaquinones. Enzymatic prenylation of 1,4-dihydroxy-2-naphthoate by Micrococcus luteus membrane fractions. Saito Y, et al. **J Biochem (Tokyo)** 1981 May;89(5):1445–52

Studies on the mechanism of the vitamin K-dependent carboxylation reaction. Carboxylation without the concurrent formation of vitamin K 2,3-epoxide. de Metz M, et al. **J Biol Chem** 1982 May 25;257(10):5326–9

Vitamin K-dependent carboxylase. Stoichiometry of carboxylation and vitamin K 2,3-epoxide formation. Larson AE, et al. **J Biol Chem** 1981 Nov 10;256(21):11032–5

ANALYSIS

Chemical studies as a guide to the classification of Corynebacterium pyogenes and 'Corynebacterium haemolyticum'. Collins MD, et al. **J Gen Microbiol** 1982 Feb;128(Pt 2):335–41

ANTAGONISTS & INHIBITORS

Mechanism of action of t-butyl hydroperoxide in the inhibition of vitamin K-dependent carboxylation. Hall AL, et al. **Arch Biochem Biophys** 1982 Mar;214(1):45–50

[Prevention of arterial embolisms by the combination of dipyridamole and antivitamins K in patients with artificial valves. Apropos of a series of 314 operated valves] Cribier A, et al. **Arch Mal Coeur** 1982 Jan;75(1):89–98 (Eng. Abstr.) **(Fre)**

[Prevention of systemic thromboembolic accidents in patients with artificial valve prostheses. Prospective study of an antivitamins K-dipyridamole combination] Starkman C, et al. **Arch Mal Coeur** 1982 Jan;75(1):85–8 (Eng. Abstr.) **(Fre)**

[Pulmonary embolism: prophylactic measures (author's transl)] Rentsch HP. **Praxis** 1982 Apr 27;71(17):729–34 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Enzymatic synthesis, characterization, and metabolism of the coenzyme A ester of o-succinylbenzoic acid, an intermediate in menaquinone (vitamin K2) biosynthesis. Heide L, et al. **J Biol Chem** 1982 Jul 10;257(13):7396–400

Enzymes from Escherichia coli synthesize o-succinylbenzoic acid, an intermediate in menaquinone (vitamin K2) biosynthesis. Meganathan R. **J Biol Chem** 1981 Sep 25; 256(18):9386–8

BLOOD

Changes in plasma bone GLA protein during treatment of bone disease. Deftos LJ, et al. **Calcif Tissue Int** 1982 Mar; 34(2):121–4

Vitamin D-dependent carboxylation deficiency in liver disease [letter] Earnest DL, et al. **N Engl J Med** 1981 Nov 19;305(21):1285–6

Structural abnormalities of the vitamin K-dependent clotting factors. Roberts HR, et al. **Prog Clin Biol Res** 1981; 72:85–102

IMMUNOLOGY

Conformation-specific antibodies: approach to the study of the vitamin K-dependent blood coagulation proteins. Furie B, et al. **Methods Enzymol** 1982;84 Pt D:60–83

METABOLISM

A new detergent for the solubilization of the vitamin K-dependent carboxylation system from liver microsomes: comparison with triton X-100. Girardot JM, et al. **Anal Biochem** 1982 Apr;121(2):315–20

Vitamin K-dependent carboxylase: evidence for cofractionation of carboxylase and epoxidase activities, and for carboxylation of a high-molecular-weight microsomal protein. Wallin R, et al. **Arch Biochem Biophys** 1982 Mar; 214(1):155–63

Vitamin K-dependent carboxylation and vitamin K epoxidation. Evidence that the warfarin-sensitive microsomal NAD(P)H dehydrogenase reduces vitamin K1 in these reactions. Wallin R, et al. **Biochem J** 1981 Mar 15;194(3):983–8

Mechanism of coumarin action: sensitivity of vitamin K metabolizing enzymes of normal and warfarin-resistant rat liver. Hildebrandt EF, et al. **Biochemistry** 1982 May 11; 21(10):2406–11

Hepatic vitamin K-dependent carboxylation of blood-clotting proteins. Liebman HA, et al. **Hepatology** 1982 Jul-Aug;2(4):488–94

Vitamins and alcoholism. X. Vitamin D, XI, Vitamin E, XII. Vitamin K. Bonjour JP. **Int J Vitam Nutr Res** 1981; 51(3):307–18 (30 ref.)

Studies on the mechanism of the vitamin K-dependent carboxylation reaction. Carboxylation without the concurrent formation of vitamin K 2,3-epoxide. de Metz M, et al. **J Biol Chem** 1982 May 25;257(10):5326–9

Vitamin K-dependent carboxylase. Stoichiometry of carboxylation and vitamin K 2,3-epoxide formation. Larson AE, et al. **J Biol Chem** 1981 Nov 10;256(21):11032–5

Involvement of menaquinone in the active accumulation of aminoglycosides by Bacillus subtilis. Taber HW, et al. **J Gen Microbiol** 1981 Mar;123(Pt 1):143–9

Vitamin K activity and metabolism of vitamin K-1 epoxide-1,4-diol. Bell RG. **J Nutr** 1982 Feb;112(2):287–92

Post-translational carboxylation of preprothrombin. Johnson BC. **Mol Cell Biochem** 1981 Aug 11;38 Spec No(Pt 1):77–121 (495 ref.)

The metabolism of the fat-soluble vitamins. Olson JA. **Prog Clin Biol Res** 1981;77:137–46

Absorption mechanisms for fat-soluble vitamins and the effect of other food constituents. Weber F. **Prog Clin Biol Res** 1981;77:119–35 (55 ref.)

[Recent discoveries on the biochemical significance of vitamin K and some characteristics of vitamin K dependent proteins] Kolb E. **Z Gesamte Inn Med** 1981 Nov 1; 36(21):801–6 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Isolation and characterization of the vitamin K dependent domain of human prothrombin. Dode C, et al. **Biochem Biophys Res Commun** 1981 Nov 30;103(2):461–8

Drug-induced oxidation and precipitation of hemoglobins A, S and C. MacDonald VW, et al. **Biochim Biophys Acta** 1982 Feb 4;701(1):39–44

A comparison between vitamin K-dependent carboxylase from normal and warfarin-treated cows. Vermeer C, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):361–5

Identification of phospholipid as an essential part of bovine vitamin K-dependent carboxylase. de Metz M, et al. **J Biol Chem** 1981 Nov 10;256(21):10843–6

Localization of renal vitamin K-dependent gamma-glutamyl carboxylase to tubule cells. Friedman PA, et al. **J Biol Chem** 1982 Sep 25;257(18):11037–40

Vitamin K-dependent carboxylation. Evidence that at least two microsomal dehydrogenases reduce vitamin K1 to support carboxylation. Wallin R, et al. **J Biol Chem** 1982 Feb 25;257(4):1583–5

Effects of vitamin K on human neutrophil function. Gallin JI, et al. **J Immunol** 1982 Mar;128(3):1399–408

[Vitamin K in the barium-meal examination (author's transl)] Liu CM. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Aug; 15(3):199–200 **(Chi)**

PHYSIOLOGY

Prothrombin and vitamin K revisited [editorial] Arias IM. **Hepatology** 1982 Jul-Aug;2(4):511

Vitamin K-dependent reactions in rat liver: role of flavoproteins. Preusch PC, et al. **J Nutr** 1981 Dec; 111(12):2087–97

Vitamin K3 (menadione) inhibits the growth of mammalian tumor cells in culture. Prasad KN, et al. **Life Sci** 1981 Sep 28;29(13):1387–92

Recent findings in understanding the biological function of vitamin K. Uotila L, et al. **Med Biol** 1982 Feb;60(1):16–24

[Recent topics on fat-soluble vitamins—with special reference to vitamin A, D and K— (author's transl)] Moriuchi S. **Rinsho Byori** 1981 Jun;29(6):569–75 (28 ref.) **(Jpn)**

THERAPEUTIC USE

Vitamin K and its therapeutic importance. Mount ME, et al. **J Am Vet Med Assoc** 1982 Jun 1;180(11):1354–6

Transplacental vitamin K prevents haemorrhagic disease of infant of epileptic mother [letter] Deblay MF, et al. **Lancet** 1982 May 29;1(8283):1247

Antipruritic effect of vitamin K? [letter] Laso FJ, et al. **Lancet** 1982 Aug 14;2(8294):394

Pharmacy update: vitamins: part 4. Elmer G. **Nurse Pract** 1982 Feb;7(2):26–9

[Nodular purpura in infants. Clinical and biohumoral findings. Presentation of a case] Mancuso G, et al. **Minerva Pediatr** 1981 Aug 31;33(16):821–9 (20 ref.) **(Ita)**

[Considerations on the advisability of systematic prophylaxis of hemorrhagic disease of the newborn] Scianaro L, et al. **Minerva Pediatr** 1981 Dec 15;33(23):1139–42 (Eng. Abstr.) **(Ita)**

VITAMIN K 1 see **PHYTONADIONE**

VITAMIN K DEFICIENCY

Cancer cell procoagulant: a novel vitamin K-dependent activity. Delaini F, et al. **Thromb Res** 1981 Nov 1; 24(3):263–6

BLOOD

Studies on vitamin K-dependent factor deficiency during early childhood with special reference to prothrombin activity and antigen level. Fujimura Y, et al. **Haemostasis** 1982;11(2):90–5

COMPLICATIONS

Studies on a family with combined functional deficiencies of vitamin K-dependent coagulation factors. Goldsmith GH Jr, et al. **J Clin Invest** 1982 Jun;69(6):1253–60

Possible sulfisoxazole and dietary-induced hypoprothrombinemia in an elderly woman. Cooper JW Jr, et al. **J Med Assoc Ga** 1981 Dec;70(12):875–7

Nodular purpura in infancy. Nagi NA, et al. **Postgrad Med J** 1982 May;58(679):274–8

[Intracranial hemorrhage due to vitamin K deficiency in infants: its importance as a cause of intracranial hemorrhage in infants (author's transl)] Matsusaka T, et al. **No To Shinkei** 1981 Oct;33(10):989–97 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

A simple and rapid test for PIVKA-II in plasma. Meguro T, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):109–14

DRUG THERAPY

Pharmacy update: vitamins: part 4. Elmer G. **Nurse Pract** 1982 Feb;7(2):26–9

ETIOLOGY

Vitamin K-dependent clotting factors in normal breast-fed infants. Jiménez R, et al. **J Pediatr** 1982 Mar;100(3):424–6

METABOLISM

Effect of vitamin E on prothrombin levels in warfarin-induced vitamin K deficiency. Corrigan JJ Jr, et al. **Am J Clin Nutr** 1981 Sep;34(9):1701–5

[Vitamin K and bone metabolism – on the effect of vitamin K deficiency and gamma-carboxyglutamic acid (author's transl)] Mutoh Y. **Nippon Seikeigeka Gakkai Zasshi** 1980 Dec;54(12):1733–43 (Eng. Abstr.) **(Jpn)**

[Relation between ascorbic acid metabolism and the body' supply of vitamin K] Pushina NG. **Vopr Pitan** 1982 May-Jun;(3):36–42 (Eng. Abstr.) **(Rus)**

[Effect of vitamin K supply on tissue levels of hexosamine-containing glycolipids] Sharaev PN. **Vopr Pitan** 1981 Sep-Oct;(5):25–7 (Eng. Abstr.) **(Rus)**

VITAMIN M see **FOLIC ACID**

VITAMIN P COMPLEX see **BIOFLAVONOIDS**

VITAMIN PP see **NICOTINAMIDE**

VITAMIN U see under **VITAMINS**

VITAMINS

Vitamins and trace elements in the seriously ill patient. Dickerson JW. **Acta Chir Scand [Suppl]** 1981;507:144–50

Additives in parenteral nutrition. Shenkin A. **Acta Chir Scand [Suppl]** 1981;507:350–5

Vasculitis and vitamin abuse [letter] Bear RA, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):48

Food supplement usage by the elderly. Read MH, et al. **J Am Diet Assoc** 1982 Mar;80(3):250–3

Vitamin regimens in parenteral nutrition: a dilemma. Robinson LA, et al. **JPEN** 1982 Jan-Feb;6(1):76–7

Enhanced water solubility of vitamins A, D, E, and K by substituted cycloamyloses. Pitha J. **Life Sci** 1981 Jul 20; 29(3):307–11

[Pre- and postnatal caries prevention from the viewpoint of a long-term study] Will R. **Med Welt** 1982 Jun 11; 33(23):847–50 **(Ger)**

[Rapidity of the reflection of publications on nutrition by secondary information sources (the example of vitaminology)] Smirnova MG, et al. **Vopr Pitan** 1981 Jul-Aug;(4):70–1 **(Rus)**

ADMINISTRATION & DOSAGE

Use and misuse of vitamins in the elderly. Nelson RA. **Geriatrics** 1982 Feb;37(2):138–40, 144

Megavitamin therapy in inherited metabolic disorders. Kalhan SC. **Indian J Pediatr** 1981 Sep-Oct;48(394):635–46

Advisable daily vitamin intake for preterm infants [letter] Zenk KE, et al. **JPEN** 1981 Sep-Oct;5(5):447–8

Vitamin supplements to prevent neural tube defects [letter] Chalmers TC, et al. **Lancet** 1982 Mar 27;1(8274):748

Vitamin supplementation and neural tube defects [letter] Renwick JH. **Lancet** 1982 Mar 27;1(8274):748

Vitamin supplementation and neural tube defects [letter] Smithells RW, et al. **Lancet** 1981 Dec 19–26; 2(8260–61):1425

Periconceptional supplementation with vitamins and folic acid to prevent recurrence of cleft lip [letter] Tolarova M. **Lancet** 1982 Jul 24;2(8291):217

Risks and benefits of nutritional supplements during pregnancy. Moghissi KS. **Obstet Gynecol** 1981 Nov;58(5 Suppl):68S–78S (26 ref.)

Vitamin and trace element requirements in parenteral nutrition: an update. Ruberg RL, et al. **Ohio State Med J** 1981 Dec;77(12):725–9

The level of the water-soluble vitamin intake with foods in the USSR. Shaternikov VA, et al. **Prog Clin Biol Res** 1981; 77:159–63

[Effect of a combined geriatric preparation on the ion and mineral metabolism of the organism (author's transl)] Kocián J, et al. **Cesk Gastroenterol Vyz** 1981 May; 35(3):123–6 (Eng. Abstr.) **(Cze)**

[Can periconceptional vitamin supplementation prevent congenital neural tube defects? (letter)] Meuwissen JH. **Ned Tijdschr Geneeskd** 1981 Dec 12;125(50):2067–8 **(Dut)**

[Malformations of the neural tube and vitamins: possible prevention?] Calvani M. **Recenti Prog Med** 1981 Oct; 71(4):446–9 (23 ref.) **(Ita)**

[Effect of corticosteroids, vitamins, thiophosphamide and their combinations on the metabolic status of

tumor-bearing animals] Dunaev VV. **Farmakol Toksikol** 1982 Mar-Apr;45(2):73-8 **(Rus)**

[Effectiveness of training young athletes by including vitamin and trace element supplements in the diet] Rusin VIa, et al. **Gig Sanit** 1982 Mar;(3):78-80 **(Rus)**

[Use of No-Shpa in combination with vitamins in motion sickness] Usachev VV, et al. **Kosm Biol Aviakosm Med** 1981;15(3):82-3 **(Rus)**

[Blood T-lymphocyte functional activity in pulmonary tuberculosis patients undergoing chemotherapeutic agent and vitamin treatment] Volosevich GV. **Probl Tuberk** 1982 Mar;(3):47-50 (Eng. Abstr.) **(Rus)**

[Antiepileptic effects of complex therapy with vitamins and anticonvulsant preparations (experimental findings)] Kryzhanovskii GN, et al. **Zh Nevropatol Psikhiatr** 1982; 82(6):84-90 **(Rus)**

ADVERSE EFFECTS

An unrecognized cause of warfarin resistance [letter] Westfall LK. **Drug Intell Clin Pharm** 1981 Feb;15(2):131

[Adverse reactions to vitamins] Fossati C. **Clin Ter** 1981 Dec 31;99(6):643-51 (112 ref.) (Eng. Abstr.) **(Ita)**

ANALYSIS

Multivitamin/mineral food supplements containing vitamin B12 may also contain analogues of vitamin B12 [letter] Herbert V, et al. **N Engl J Med** 1982 Jul 22;307(4):255-6

Recent advances in analytical methods for the water-soluble vitamins. Sauberlich HE. **Prog Clin Biol Res** 1981;77:151-7

[Progress in laboratory investigation of vitamin status (author's transl)] Liu JP. **Sheng Li Ko Hsueh Chin Chan** 1981 Mar;12(3):200-5 **(Chi)**

[Thin-layer chromatographic separation and identification of the ingredients of the multivitamin preparation Summavit 10 on UV 254 instant sheets] Thielemann H. **Pharmazie** 1981 Aug;36(8):574 **(Ger)**

[Thin-layer chromatographic isolation and identification of impurities in the multivitamin preparation Turigeran] Thielemann H. **Pharmazie** 1981 Nov;36(11):783 **(Ger)**

[Vitamins in the biomasses for animal nutrition] Gaudiano A, et al. **Ann Ist Super Sanita** 1979;15(3):567-75 **(Ita)**

[Comparative evaluation of the vitamin composition of unicellular algae and higher plants grown under artificial conditions] Baianova IuI, et al. **Prikl Biokhim Mikrobiol** 1981 May-Jun;17(3):400-7 (Eng. Abstr.) **(Rus)**

[Nature of the vitamin composition of mare's milk and koumiss depending on the time of year] Servetnik-Chalaia GK, et al. **Vopr Pitan** 1981 Jul-Aug;(4):46-8 (Eng. Abstr.) **(Rus)**

[Vitamin content in groats before and after technological processing] Smirnova LV, et al. **Vopr Pitan** 1982 Mar-Apr; (2):62-3 (Eng. Abstr.) **(Rus)**

[Effect of cooking on vitamins in poultry and rabbit meat] Stepanova EN, et al. **Vopr Pitan** 1982 May-Jun;(3):54-8 (Eng. Abstr.) **(Rus)**

BLOOD

Serum vitamin level maintenance in cancer patients on total parenteral nutrition. Kirkemo AK, et al. **Am J Clin Nutr** 1982 May;35(5):1003-9

Vitamin status in treated patients with cystic fibrosis. Congden PJ, et al. **Arch Dis Child** 1981 Sep;56(9):708-14

Selected coenzymes and vitamin values in the female baboon. Cornwell PE, et al. **J Med Primatol** 1981;10(4-5):284-6

Vitamins and trace elements profiles in chronic leg ulcers in Nigerians. Ette SI, et al. **Trop Geogr Med** 1982 Mar; 34(1):73-5

[Vitamin status of hospitalized patients. Critical study of methods and results] Lemoine A, et al. **Bibl Nutr Dieta** 1981;(30):81-9 **(Fre)**

[Vitamin and zinc levels in leukemic children during induction therapy (author's transl)] Lasson U, et al. **Monatsschr Kinderheilkd** 1982 Jul;130(7):552-5 (Eng. Abstr.) **(Ger)**

[RIA control of liposoluble vitamins and vitamin B12 in patients under treatment with DEAE-dextran] Nico F, et al. **Clin Ter** 1981 Mar 31;96(6):637-42 **(Ita)**

[Trace elements and vitamins A, B1 and B2 in the serum of alcoholics] Kirchmayer S, et al. **Pol Arch Med Wewn** 1981 Jan;65(1):31-9 (Eng. Abstr.) **(Pol)**

HISTORY

[History of the discovery of vitamins by N. I. Lunin] Efremov VV. **Vopr Pitan** 1982 May-Jun;(3):68-72 **(Rus)**

ISOLATION & PURIFICATION

[Optimization of the separation of soluble vitamins in an aqueous medium by HPLC with an amino-bound phase] Calcagno C, et al. **Farmaco [Prat]** 1982 May;37(5):152-9 (Eng. Abstr.) **(Ita)**

[Effect of occupational factors on workers engaged in the production of protein-vitamin concentrates] Agarunova IuS, et al. **Vestn Dermatol Venerol** 1982 Feb;(2):40-2 (Eng. Abstr.) **(Rus)**

METABOLISM

A preliminary report: nutritional levels and cognitive performance in chronic alcohol abusers. Albert M, et al. **Drug Alcohol Depend** 1982 Apr;9(2):131-42

[Vitamin metabolism in alcoholism] Wartanowicz M, et al. **Pol Tyg Lek** 1982 Mar 29;37(3):103-5 **(Pol)**

PHARMACODYNAMICS

Effects of multivitamin treatment on the activity of rat liver tryptophan pyrrolase during ethanol administration. Ragusa N, et al. **Acta Vitaminol Enzymol** 1981;3(4):199-204

Haemostatic vitamins--a rediscovery. Exploitation does not diminish the importance of the vitamins. Frost T, et al. **Med J Aust** 1982 Feb 20;1(4):149-50

[Preclinical studies of Pharmachem's teravit] Dilov P, et al. **Vet Med Nauki** 1981;18(4):85-93 (Eng. Abstr.) **(Bul)**

[On the effect of biologically active substances (experimental studies) (author's transl)] Kranz D, et al. **ZFA (Dresden)** 1980;35(4):265-84 (Eng. Abstr.) **(Ger)**

[Cytogenetic activity of vitamins in the bone marrow cells of rat femurs in sodium fluoride induction of mutations] Aliev AA, et al. **Tsitol Genet** 1981 Nov-Dec;15(6):19-22 **(Rus)**

[Vitamin U and RNA metabolism in prokaryotes] Lebenka AIu, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):64-8 (Eng. Abstr.) **(Rus)**

[Effect of vitamin and mineral supplements on the protein utilization of mixtures of corn and beans] Contreras G, et al. **Arch Latinoam Nutr** 1981 Dec;31(4):808-26 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Single nutrients and immunity. Beisel WR. **Am J Clin Nutr** 1982 Feb;35(2 Suppl):417-68 (386 ref.)

Role of placenta in maternal-fetal vitamin transfer in humans. Baker H, et al. **Am J Obstet Gynecol** 1981 Dec 1; 141(7):792-6

Mineral and vitamin nutrition of dairy cattle. Miller WJ. **J Dairy Sci** 1981 Jun;64(6):1196-206 (88 ref.)

The role of the fat soluble vitamins in human nutrition. Brubacher G. **Prog Clin Biol Res** 1981;77:97-8

THERAPEUTIC USE

Vitamins in 'malattie evolutive'. Hanck AB. **Acta Vitaminol Enzymol** 1980;2(5-6):179-85

Vitamin-responsive genetic abnormalities. Mudd SH. **Adv Nutr Res** 1982;4:1-34 (149 ref.)

Failure of mineral-vitamin supplements to prevent tansy ragwort (Senecio jacobaea) toxicosis in cattle. Johnson AE. **Am J Vet Res** 1982 Apr;43(4):718-23

Apparent prevention of neural tube defects by periconceptional vitamin supplementation. Smithells RW, et al. **Arch Dis Child** 1981 Dec;56(12):911-8

Vitamins E, C and the B complex. Wahlqvist ML, et al. **Aust Fam Physician** 1982 Apr;11(4):270-2, 274-8

Use of nutritional supplements in an ambulatory elderly population. Hale WE, et al. **J Am Geriatr Soc** 1982 Jun; 30(6):401-3

Recurrence rates for neural tube defects and vitamin supplementation. James WH. **J Med Genet** 1981 Aug; 18(4):249-51

Research on vitamin-cancer relationship getting big boost [news] Gunby P. **JAMA** 1982 Apr 2;247(13):1799-802

Vitamin regimens in PN [letter] Martin DJ. **JPEN** 1982 May-Jun;6(3):269

Vitamin supplementation and neural tube defects [letter] **Lancet** 1982 Jan 30;1(8266):275-6

Vitamins to prevent neural tube defects [letter] **Lancet** 1982 Apr 10;1(8276):859-60

Vitamin supplements to prevent neural tube defects [letter] **Lancet** 1982 May 8;1(8280):1075

Vitamin supplementation and neural tube defects [letter] Stirrat GM. **Lancet** 1982 Mar 13;1(8272):625-6

Neural tube defects: prevention by vitamin supplements. Smithells RW. **Pediatrics** 1982 Apr;69(4):498-9

Blood vitamin status in chronic alcoholics after a single dose of polyvitamin. A preliminary report. Majumdar SK, et al. **Postgrad Med J** 1981 Mar;57(665):164-6

[Pre- and postnatal caries prevention from the viewpoint of a long-term study] Will R. **Med Welt** 1982 Jun 11; 33(23):847-50 **(Ger)**

[Vitamins in the prevention of hyperlipoproteinemia and atherosclerosis (author's transl)] Butturini U. **Acta Vitaminol Enzymol** 1980;2(5-6):135-46 (Eng. Abstr.) **(Ita)**

[Vitamins in metabolic diseases] Malaguzzi Valeri C. **Acta Vitaminol Enzymol** 1981;3(1):43-56 (4 ref.) (Eng. Abstr.) **(Ita)**

[Prescriptions of polyvitamin therapy] Fanelli V. **Clin Ter** 1982 Apr 15;101(1):95-8 **(Ita)**

[The effect of Neolamin 3B to the anemia of cancer patients (author's transl)] Miyamoto H, et al. **Rinsho Hoshasen** 1981 Jun;26(6):671-5 (Eng. Abstr.) **(Jpn)**

[Effect of plant and vitamin preparations on the development of experimental neurogenic ulcerative lesions] Mashchenko NP, et al. **Patol Fiziol Eksp Ter** 1981;(6):47-9 **(Rus)**

[Effect of chemical radioprotectors and subsequent therapy on the survival of dogs subjected to lethal gamma irradiation] Kuna P, et al. **Voen Med Zh** 1982 Feb;(2):68-9 **(Rus)**

[Treatment of depressive conditions with S-methylmethionine (vitamin U)] Stoliarov GV, et al. **Zh Nevropatol Psikhiatr** 1981;81(8):1209-12 (Eng. Abstr.) **(Rus)**

TOXICITY

Nutrient toxicity. Campbell TC, et al. **Nutr Rev** 1981 Jun; 39(6):249-56

VITELLINE DUCT

Vitelline duct remnant appearing as a hemorrhagic umbilical mass. Chiang LS. **JAMA** 1982 May 28;247(20):2812-3

Patent urachus associated with completely patent omphalomesenteric duct. Griffith GL, et al. **South Med J** 1982 Feb;75(2):252

Suspected vitelline duct cyst in a cat. Basher AW, et al. **Vet Rec** 1982 Apr 24;110(17):407-8

SURGERY

Umbilical core-out operation for a completely patent vitelline duct. Asano S, et al. **Z Kinderchir** 1981 Jan;32(1):90-4

VITELLINE MEMBRANE

ANALYSIS

Isolation and characterization of a mannan-binding protein associated with the early chick embryo. Rutherford NG, et al. **FEBS Lett** 1981 Dec 21;136(1):105-10

MICROBIOLOGY

Gallus domestica yolk (vitelline) membrane use for in vitro microbial adherence studies. Persi MA, et al. **Appl Environ Microbiol** 1981 Aug;42(2):364-9

PHYSIOLOGY

A protein from abalone sperm dissolves the egg vitelline layer by a nonenzymatic mechanism. Lewis CA, et al. **Dev Biol** 1982 Jul;92(1):227-39

VITELLOGENIN see under **LIPOPROTEINS**

VITILIGO

Vitiligo. It is important. Nordlund JJ, et al. **Arch Dermatol** 1982 Jan;118(1):5-8 (25 ref.)

BLOOD

Distribution of serum proteins, red cell enzymes and haemoglobins in vitiligo. Saha N, et al. **Hum Hered** 1982; 32(1):46-8

COMPLICATIONS

Vitiligo or halo nevi occurring in two patients with choroidal melanoma. Albert DM, et al. **Arch Dermatol** 1982 Jan; 118(1):34-6

Vitiligo and motor neurone disease following acute polymyalgia rheumatica. Crisp AJ, et al. **Br J Clin Pract** 1981 Oct;35(10):367-8

Atypical Kaposi's sarcoma in a patient with vitiligo and pernicious anemia. Ruzicka T. **Dermatologica** 1981; 163(2):199-204

Herpes simplex infections with T cell lymphoma [letter] Wantzin GL, et al. **J Am Acad Dermatol** 1981 Oct; 5(4):473-5

Sugiura's sign. Perilimbal vitiligo in the Vogt-Koyanagi-Harada syndrome. Friedman AH, et al. **Ophthalmology (Rochester)** 1981 Nov;88(11):1159-65

DIAGNOSIS

Screening for occupational vitiligo in workers exposed to hydroquinone monomethyl ether and to paratertiary-amyl-phenol. O'Sullivan JJ, et al. **Br J Ind Med** 1981 Nov;38(4):381-3

[Vitiligo. Symptoms, classification and treatment] Karadaglić D. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):106-9 **(Scr)**

DRUG THERAPY

Evaluation of clofazimine in vitiligo. Shukla SR. **Dermatologica** 1981;163(2):169-71

Epidermoid carcinoma of the gingiva: a possible relationship to PUVA therapy. Krutchkoff DJ, et al. **Oral Surg** 1981 Jul;52(1):44-50

[Scleroderma-like alterations after PUVA therapy in vitiligo: two case reports (author's transl)] Thürlimann W, et al. **Dermatologica** 1982 May;164(5):305-13 **(Ger)**

[Vitiligo. Symptoms, classification and treatment] Karadaglić D. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):106-9 **(Scr)**

ENZYMOLOGY

Demonstration of tyrosinase in the vitiligo skin of human beings by a sensitive fluorometric method as well as by 14C(U)-L-tyrosine incorporation into melanin. Husain I, et al. **J Invest Dermatol** 1982 Mar;78(3):243-52

ETIOLOGY

Vitiligo and occupational exposure to hydroquinone from servicing self-photographing machines. Kersey P, et al. **Contact Dermatitis** 1981 Sep;7(5):285-7

[Problems and prospects of vitiligo study] Koshevenko IuN, et al. **Vestn Dermatol Venerol** 1981;(10):25-30 (63 ref.) **(Rus)**

FAMILIAL & GENETIC

Progressive spastic paraparesis, vitiligo, premature graying, and distinct facial appearance: a new genetic syndrome in 3 sibs. Lison M, et al. **Am J Med Genet** 1981;9(4):351–7

Dermatoglyphics in vitiligo. Oyhenart-Perera M, et al. **Prog Clin Biol Res** 1982;84:427–33

HISTORY

[Vitiligo in a historic portrait] Lee S. **Hautarzt** 1982 Jun; 33(6):335–6 **(Ger)**

IMMUNOLOGY

Antibodies to melanocytes. Occurrence in patients with vitiligo and chronic mucocutaneous candidiasis. Howanitz N, et al. **Arch Dermatol** 1981 Nov;117(11):705–8

Vitiligo and polyglandular autoimmune disease with autoantibodies to melanin-producing cells. A new syndrome? Peserico A, et al. **Arch Dermatol** 1981 Nov; 117(11):751–2

Effect of bursectomy on development of a spontaneous postnatal amelanosis. Lamont SJ, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):407–11

A case of vitiligo vulgaris with IgG detected at the dermoepidermal junction — with special reference to its treatment with OK–432. Sawada Y, et al. **J Dermatol (Tokyo)** 1980 Dec;7(6):413–8

[Vitiligo and DNCB sensitization in achromic skin] Haji-Abrassi M, et al. **Ann Dermatol Venereol** 1981; 108(12):1023–5 **(Fre)**

[Melanocyte antibodies in idiopathic vitiligo (author's transl)] Höfs T, et al. **Dermatol Monatsschr** 1981 Nov; 167(11):685–92 (Eng. Abstr.) **(Ger)**

[Humoral and cellular autoimmunity in genuine vitiligo studied by means of an antigen produced from melanoma cells] Höfs T. **Folia Haematol (Leipz)** 1982;109(2):244–50 (Eng. Abstr.) **(Ger)**

[Immunopathologic study of vitiligo (author's transl)] Sawada Y, et al. **Nippon Hifuka Gakkai Zasshi** 1982 May; 92(6):621–8 **(Jpn)**

METABOLISM

[Tryptophan metabolism in patients with vitiligo] Costa C, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15;57(19):1933–9 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ultrastructural studies of vitiligo with inflammatory raised borders. Ishii M, et al. **J Dermatol (Tokyo)** 1981 Aug; 8(4):313–22

An amelanotic melanoma transformed into melanotic melanoma with development of vitiligo. Takematsu H, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):431–8

[Vitiligo and specific leukoderma in secondary recurrent syphilis] Anchupane IS, et al. **Vestn Dermatol Venerol** 1982 May;(5):72–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Prolactin response to TRH in vitiligo. Pal SK, et al. **Clin Chim Acta** 1981 Oct 8;116(1):107–9

VETERINARY

[Vitiligo in an Old-Dutch Bantam hen] van der Schaaf A. **Tijdschr Diergeneeskd** 1981 Oct;106(19):1001–2 **(Dut)**

VITREOUS BODY

Vascular damage in the anterior uvea induced by intravitreal autogenous blood. Algvere P, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(4):273–83

Autosomal recessive vitreoretinopathy and encephaloceles. Cook GR, et al. **Am J Ophthalmol** 1982 Jul;94(1):18–25

Spontaneous vitreous hemorrhage. Butner RW, et al. **Ann Ophthalmol** 1982 Mar;14(3):268–70

Choroidal melanoma appearing as vitreous hemorrhage. Kielar RA. **Ann Ophthalmol** 1982 May;14(5):461–4

Complications in aphakic eyes after vitreous loss. Kroll P, et al. **Ann Ophthalmol** 1981 Aug;13(8):983–5

Soft traumatic or hypermature congenital cataract with rupture of posterior lens capsule and anterior hyaloid face. Mortada A. **Ann Ophthalmol** 1981 Jul;13(7):839–40

Vitreous variation in vitreous fluorophotometry. Ross S, et al. **Ann Ophthalmol** 1982 Mar;14(3):245–9

Ultrasonography of vitreal foreign bodies in eyes obtained at autopsy. Awschalom L, et al. **Arch Ophthalmol** 1982 Jun;100(6):979–80

The influence of vitreous change on vitreous fluorophotometry. Prager TC, et al. **Arch Ophthalmol** 1982 Apr;100(4):594–6

Reattachment of the retina by vitreous replacement using high molecular substances under microsurgical conditions. Winter R, et al. **Dev Ophthalmol** 1981;5:131–4

The Wagner-Stickler syndrome complex. Godel V, et al. **Doc Ophthalmol** 1981 Dec 16;52(2):179–88 (57 ref.)

Intra scleral diathermy in the management of proliferative retinopathy and vitreous haemorrhage. Paul AK, et al. **Indian J Ophthalmol** 1981 Dec;29(4):335–7

Evaluation and comparison of commercial vitreous fluorophotometers. Zeimer RC, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):865–8

Prepapillary annular opacity in the diagnosis of posterior vitreous detachment. Potter JW, et al. **J Am Optom Assoc** 1981 Aug;52(8):663–4

Bayes' theorem in ophthalmologic computer diagnosis. Leveille AS, et al. **J Pediatr Ophthalmol Strabismus** 1982 Mar–Apr;19(2):94–6

Hyphema in the newborn: report of a case. Wu G, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan–Feb;19(1):56–7

Advances in the treatment of vitreous disease. Friberg TR. **JAMA** 1982 Mar 19;247(11):1623–6

Treatment of vitreous opacities in a case of familial amyloidotic polyneuropathy by vitreous surgery. Giora T, et al. **Metab Pediatr Ophthalmol** 1981;5(2):105–8

Nonrecordable electroretinogram in vitreous hemorrhage. Mandelbaum S, et al. **Ophthalmology (Rochester)** 1982 Jan; 89(1):73–5

Metastatic tumor to the retina and vitreous cavity from primary melanoma of the skin: treatment with systemic and subconjunctival chemotherapy. Robertson DM, et al. **Ophthalmology (Rochester)** 1981 Dec;88(12):1296–1301

Vitreous hemorrhage complicating retinal astrocytic hamartoma. Kroll AJ, et al. **Surv Ophthalmol** 1981 Jul–Aug; 26(1):31–8

Familial exudative vitreoretinopathy. Tasman W, et al. **Trans Am Ophthalmol Soc** 1981;79:211–26

[Surgical removal of intravitreous floating foreign bodies (author's transl)] Yang JC. **Chung Hua Yen Ko Tsa Chih** 1982 Mar;18(2):78–80 **(Chi)**

[The vitreous body and retinoschisis] Boisdequin D, et al. **Bull Soc Belge Ophtalmol** 1981;192:75–91 (Eng. Abstr.) **(Fre)**

[Intraocular injections in the treatment of retinal detachment] Bacin F. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):815–8 (Eng. Abstr.) **(Fre)**

[Aphakic vitreous body, fellow to an aphakic eye with retinal detachment (preliminary note apropos of 15 cases)] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul;81(6–7):633–6 (Eng. Abstr.) **(Fre)**

[Recurrent vitreous hemorrhages of unusual etiology] Turut P, et al. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep;81(8–9):567–9 **(Fre)**

[Diathermy and cryocoagulation in the treatment of vitreous hemorrhage (author's transl)] Paul HH. **Klin Monatsbl Augenheilkd** 1982 Apr;180(4):282–5 (Eng. Abstr.) **(Ger)**

[Hyalokeratopathy of the corneal graft caused by spontaneous herniation of the vitreous (author's transl)] Zajácz M. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):406–8 (Eng. Abstr.) **(Ger)**

[Recurrent vitreous hemorrhages. (1) Non-inflammatory type (author's transl)] Horiuchi I. **Nippon Ganka Gakkai Zasshi** 1981;85(7):722–30 (Eng. Abstr.) **(Jpn)**

[Vitreous detachment, neovascularization, and vitreous hemorrhage in retinal branch vein occlusion (author's transl)] Takahashi M, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):731–6 (Eng. Abstr.) **(Jpn)**

[The retino-vitreous interface syndrome] Munteanu G. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):105–9 (Eng. Abstr.) **(Rum)**

[Role of the vitreous body in pathogenesis of retinal detachment in aphakia] Pop R, et al. **Rev Chir [Oftalmol]** 1981 Jul–Sep;25(3):181–6 (Eng. Abstr.) **(Rum)**

[Consequences of the loss of the vitreous humor in cataract operations] Sandovici EM, et al. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):149–52 (Eng. Abstr.) **(Rum)**

[The role of vitreous liquifiers in the pathogenesis of retinal detachment] Vasinca M, et al. **Rev Chir [Oftalmol]** 1981 Oct–Dec;25(4):261–4 (Eng. Abstr.) **(Rum)**

[Results of removing a crystalline lens dislocated into the vitreous body by a lensectomy method] Fedorov SN, et al. **Vestn Oftalmol** 1981 Nov–Dec;(6):34–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Primary vitreoretinal dysplasia transmitted as an autosomal recessive disorder. Ohba N, et al. **Br J Ophthalmol** 1981 Sep;65(9):631–40

Persistent hyperplastic primary vitreous and microphthalmia in a dog. Kern TJ. **J Am Vet Med Assoc** 1981 Jun 1; 178(11):1169–71

[Persistence and hyperplasia of primary anterior vitreous] Raspiller A, et al. **Bull Soc Ophtalmol Fr** 1981 Oct; 81(10):875–7 (Eng. Abstr.) **(Fre)**

ANALYSIS

Analysis of postmortem canine blood, cerebrospinal fluid, and vitreous humor. Schoning P, et al. **Am J Vet Res** 1981 Aug;42(8):1447–9

Spectroscopic studies on pepsin-solubilized vitreous and cartilage collagens. Liang JN, et al. **Curr Eye Res** 1981; 1(3):175–81

Two-month follow-up of the changes in vitreal constituents after argon laser coagulation of the retina in rabbits. Wurster U, et al. **Dev Ophthalmol** 1981;3:160–70

Quantitative determination of fluorescein in the anterior chamber and vitreous body. Kooijman AC, et al. **Doc Ophthalmol** 1982 Jan 29;52(3–4):333–7

Type II collagen in the early embryonic chick cornea and vitreous: immunoradiochemical evidence. Linsenmayer TF, et al. **Exp Eye Res** 1982 Mar;34(3):371–9

Isolation and identification of stimulatory and inhibitory cell growth factors in bovine vitreous. Raymond L, et al. **Exp Eye Res** 1982 Feb;34(2):267–86

Characterisation of another short-chain disulphide-bonded collagen from cartilage, vitreous and intervertebral disc. Ayad S, et al. **FEBS Lett** 1982 Mar 22;139(2):300–4

Combined glucose and lactate values in vitreous humour for postmortem diagnosis of diabetes mellitus. Sippel H, et al. **Forensic Sci Int** 1982 May–Jun;19(3):217–22

Vascular endothelial cell effectors in fetal calf retina, vitreous, and serum. Chen SC, et al. **Invest Ophthalmol Vis Sci** 1982 Sep;23(3):340–50

Detection of drugs in vitreous humor with an enzyme immunoassay technique. Vogel J, et al. **J Anal Toxicol** 1981 Nov–Dec;5(6):307–9

Cot death vitreous potassium [letter] Kibblewhite KE. **NZ Med J** 1982 Apr 28;95(706):285

Cefsulodin concentrations in rabbit eyes after intravenous and subconjunctival administration. Mester U, et al. **Ophthalmic Res** 1982;14(2):129–34

Trimethoprim and sulfadiazine concentrations in aqueous and vitreous humors of the dog. Sigel CW, et al. **VM SAC** 1981 Jul;76(7):991–3

[Soluble proteins in the developing vitreous (author's transl)] Akiya S, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(11):1887–909 (Eng. Abstr.) **(Jpn)**

[An experimental study on vitreous soluble protein in relation to the proliferation of the retinal vessels in young rabbits (author's transl)] Katsura H, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(7):737–42 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The hyalo-capsular zonula. Albrecht M, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(2):88–92

Combined macroscopic, light microscopic, scanning, and transmission electron microscopic investigation of the vitreous body. II. The anterior vitreous cortex. Faulborn J, et al. **Ophthalmic Res** 1982;14(2):117–23

Combined macroscopic, light microscopic, scanning, and transmission electron microscopic investigation of the vitreous body. I. An improved celloidin embedding method for histologic, SEM and TEM preparation of the vitreous body. Faulborn J. **Ophthalmic Res** 1982;14(2):113–6

BLOOD SUPPLY

[Hyaloid vascular system of the rat: a study on its topography examined by plastic cast (author's transl)] Hida T. **Nippon Ganka Gakkai Zasshi** 1982;86(3):315–27 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Centrifugal cytology of ocular fluids. Stulting RD, et al. **Arch Ophthalmol** 1982 May;100(5):822–5

DRUG EFFECTS

Penicillamine and vitreous proliferation [letter] Blumenkranz MS, et al. **Am J Ophthalmol** 1982 Apr;93(4):529–31

Penicillamine and posttraumatic vitreous proliferation [letter] Pilkerton AR. **Am J Ophthalmol** 1982 May;93(5):662–3

The effect of penicillamine on posttraumatic vitreous proliferation. Weiss JF, et al. **Am J Ophthalmol** 1981 Nov; 92(5):625–7

Factors modifying vitreous pressure in cataract surgery. Guindon B, et al. **Can J Ophthalmol** 1981 Apr;16(2):73–5

Effect of selected intravitreal drugs after severe penetrating injury in rabbits. Meyers SM, et al. **Curr Eye Res** 1981; 1(8):471–7

[Experimental ultrasonic echography of the vitreous in rabbit eyes (author's transl)] Kolozsvári L. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):519–20 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Fetal animal and human intraocular fluids: unique glycolytic enzyme levels of the embryonal aqueous and significance in retinoblastoma. Gershbein LL. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):167–78

[Lactic dehydrogenase (LDH) in eye diseases: II. LDH level in vitreous and aqueous humor in eyes with uveal malignant melanoma (author's transl)] Mondelski S, et al. **Klin Oczna** 1981 Apr–May;83(4–5):221–2 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immune response evoked by antigen injection in the rabbit vitreous combined with immunopotentiation. Brinkman CJ, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(3):213–23

Recurrent clinical uveitis. Cell surface markers on vitreous lymphocytes. Kaplan HJ, et al. **Arch Ophthalmol** 1982 Apr; 100(4):585–7

INJURIES

Injured vitreous stimulates DNA synthesis in retinal pigment epithelial cells in culture and within the vitreous. Burke JM, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):153–5

[Early and late vitreous changes after trauma to the eyeball (author's transl)] Hydzikowa M, et al. **Klin Oczna** 1981 Apr–May;83(4–5):245–7 (Eng. Abstr.) **(Pol)**

METABOLISM

The clearance of intravitreal triamcinolone acetonide. Schindler RH, et al. **Am J Ophthalmol** 1982 Apr; 93(4):415–7

Interaction of intraocular air and sulfur hexafluoride with nitrous oxide: a computer simulation. Stinson TW 3d, et al. **Anesthesiology** 1982 May;56(5):385–8

The post mortem diagnosis of fatal hypoglycaemia using the fatty liver and kidney syndrome of chicks as a model. Bannister DW, et al. **Br J Nutr** 1982 Mar;47(2):235–41

The movement of xenon–133 from the vitreous to the choroid. Moseley H, et al. **Exp Eye Res** 1982 Feb; 34(2):169–79

Tritiated fucose incorporation in the vitreous body, lens and zonules of the pigmented rabbit. Rhodes RH, et al. **Exp Eye Res** 1982 Jun;34(6):921–31

The effects of infection and probenecid on the transport of carbenicillin from the rabbit vitreous humor. Barza M, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):720–6

Pharmacokinetics of fluorescein in the vitreous. Palestine AG, et al. **Invest Ophthalmol Vis Sci** 1981 Oct;21(4):542–9

Pharmacokinetics of the antineoplastic agent 1,3–bis(2–chloroethyl)–1–nitrosourea (BCNU) in the aqueous and vitreous of rabbit. Ueno N, et al. **Invest Ophthalmol Vis Sci** 1982 Aug;23(2):199–208

Studies on the technique of vitreous fluorophotometry. Zeimer RC, et al. **Invest Ophthalmol Vis Sci** 1982 May; 22(5):668–74

Vitreal, retinal, and pigment epithelial contribution to the posterior blood–ocular barrier. Foulds WS, et al. **Trans Ophthalmol Soc UK** 1980 Sep;100(3):341–2

[Biochemical indices of the vitreous body in experimental cryoretinopexy] Goriachev IuE, et al. **Vestn Oftalmol** 1982 Mar–Apr;(2):30–2 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Endophthalmitis caused by Moraxella nonliquefaciens. Ebright JR, et al. **Am J Clin Pathol** 1982 Mar;77(3):362–3

Use of gram stain to predict vitreous fluid infection. Durfee K, et al. **Am J Med Technol** 1982 Jun;48(6):525–9

Microbiological and cytological study of aspirated ocular humours in endophthalmitis. Jain MR, et al. **Indian J Ophthalmol** 1981 OCT;29(3):187–90

PARASITOLOGY

[A live intraocular parasite (author's transl)] Hubel K, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):413–4 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Retinal vessels in the ora region. Possible role in the vitreo–retinal pathology in aphakia. Larsson L, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):526–31

Pathologic findings in familial exudative vitreoretinopathy. Brockhurst RJ, et al. **Arch Ophthalmol** 1981 Dec; 99(12):2143–6

Prognostic value of vitreous findings in diabetic retinopathy. Jalkh A, et al. **Arch Ophthalmol** 1982 Mar;100(3):432–4

Autosomal dominant vitreoretinochoroidopathy. Kaufman SJ, et al. **Arch Ophthalmol** 1982 Feb;100(2):272–8

Vitreous asteroid bodies. Ultrastructural characteristics and composition. Streeten BW. **Arch Ophthalmol** 1982 Jun; 100(6):969–75

Biomicroscopic evaluation and photography of liquefied vitreous in some vitreoretinal disorders. Takahashi M, et al. **Arch Ophthalmol** 1981 Sep;99(9):1555–9

Asteroid hyalosis. Biomicroscopy, ultrastructure, and composition. Topilow HW, et al. **Arch Ophthalmol** 1982 Jun;100(6):964–8

Retinoblastoma and persistent hyperplastic vitreous occurring in the same patient. Morgan KS, et al. **Ophthalmology (Rochester)** 1981 Oct;88(10):1087–9

An unusual case of ocular involvement in primary systemic nonfamilial amyloidosis. Schwartz MF, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):394–401

[Fluorophotometry of the vitreous body. Exploration of retinal vasculopathies] Quentel G. **Bull Mem Soc Fr Ophtalmol** 1981;93:383–7 **(Fre)**

[Vitreous body and retinal periphery in the young myopic subject] Rossi P, et al. **Bull Mem Soc Fr Ophtalmol** 1981; 93:353–5 **(Fre)**

[2 cases of persistence and hyperplasia of the primary vitreous body] Bollée L, et al. **Bull Soc Ophtalmol Fr** 1981 Jun–Jul; 81(6–7):693–6 (Eng. Abstr.) **(Fre)**

[Vitreous cysticercosis : report of a case (author's transl)] Saracco JB, et al. **Med Trop (Mars)** 1982 Jan–Feb; 42(1):97–9 **(Fre)**

[Posterior vitreous detachment with collapse, and peripheral retinal degeneration in the aetiology of idiopathic retinal detachment. A synapsis of clinical observations and anatomical studies (author's transl)] Hruby K. **Klin Monatsbl Augenheilkd** 1981 Oct;179(4):226–30 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

In vivo measurements of the viscoelasticity of the human vitreous humor. Zimmerman RL. **Biophys J** 1980 Mar; 29(3):539–44

Mathematical model of diffusion in the vitreous humour of the eye. Moseley H. **Clin Phys Physiol Meas** 1981 Aug; 2(3):175–81

Vitreous fluorophotometry: identification of sources of variability. Prager TC, et al. **Invest Ophthalmol Vis Sci** 1981 Dec;21(6):854–64

[Biochemical aspect on vitreous liquefaction (author's transl)] Iwata S. **Nippon Ganka Gakkai Zasshi** 1981;85(11):1969–74 (Eng. Abstr.) **(Jpn)**

[Studies on viscoelasticity of the vitreous body (author's transl)] Kawano S. **Nippon Ganka Gakkai Zasshi** 1982; 86(3):298–306 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Experimental retinal detachment. II. Role of the vitreous. Pederson JE, et al. **Arch Ophthalmol** 1982 Jul;100(7):1155–9

Enhancement of vitreous clot lysis by urokinase: mode of action. Forrester JV, et al. **Exp Eye Res** 1982 Jun; 34(6):895–907

Chemotaxis in vitreous haemorrhage: an experimental study. LaNauze JH, et al. **Exp Eye Res** 1982 May;34(5):803–13

The effect of human intraocular fluid on vascular endothelial cell migration. Glaser BM, et al. **Ophthalmology (Rochester)** 1981 Sep;88(9):986–91

[Fluorometry of the vitreous body. Technics of evaluation and improvement of the spatial resolution] Quentel G, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1101–2 **(Fre)**

[Evaluation of the state of the vitreous body in experimental traumatic hemophthalmos] Malaev AA, et al. **Vestn Oftalmol** 1982 Jan–Feb;(1):42–3 (Eng. Abstr.) **(Rus)**

SURGERY

Pars plana vitrectomy in the management of intraocular inflammation. Algvere P, et al. **Acta Ophthalmol (Copenh)** 1981 Oct;59(5):727–36

The results of sulfur hexafluoride gas in vitreous surgery. Abrams GW, et al. **Am J Ophthalmol** 1982 Aug; 94(2):165–71

Intraocular foreign–body hazard during vitrectomy. Bovino JA, et al. **Am J Ophthalmol** 1982 Mar;93(3):366

Surgical results in ocular trauma involving the posterior segment. Brinton GS, et al. **Am J Ophthalmol** 1982 Mar; 93(3):271–8

Early vitrectomy in the management of the severely traumatized eye. Coleman DJ. **Am J Ophthalmol** 1982 May; 93(5):543–51

Sympathetic ophthalmia following vitrectomy. Gass JD. **Am J Ophthalmol** 1982 May;93(5):552–8

Retinotomy. Machemer R. **Am J Ophthalmol** 1981 Dec; 92(6):768–74

Scleral plugs with an attached suture for use during vitrectomy [letter] Meyers SM, et al. **Am J Ophthalmol** 1981 Nov;92(5):744

Vitreous surgery for macular pucker. Michels RG. **Am J Ophthalmol** 1981 Nov;92(5):628–39

An improved contact lens for trans pars plana vitreous surgery. Sebestyen JG. **Am J Ophthalmol** 1982 Jan; 93(1):122–4

A pars plana filtering procedure combined with lensectomy and vitrectomy for neovascular for neovascular glaucoma. Sinclair SH, et al. **Am J Ophthalmol** 1982 Feb;93(2):185–91

Epiretinal membrane formation after vitrectomy. Stern WH, et al. **Am J Ophthalmol** 1982 Jun;93(6):757–72

Vitreous surgery as a supplement to cataract surgery. Cleasby GW. **Ann Ophthalmol** 1980 Oct;12(10):1200–7

Chemical vitrectomy: change of solid gel vitreous to sol for vitrectomy by changing pH of vitreous toward the slight acid side. Mortada A. **Ann Ophthalmol** 1982 May; 14(5):465–6, 468–9

Falsely extinguished bright–flash electroretinogram. Its association with dense vitreous hemorrhage. Abrams GW, et al. **Arch Ophthalmol** 1982 Sep;100(9):1427–9

A linear suction control for the vitreous cutter (ocutome). Charles S, et al. **Arch Ophthalmol** 1981 Sep;99(9):1613

An update on vitrectomy surgery and retinal detachment repair in sickle cell disease. Jampol LM, et al. **Arch Ophthalmol** 1982 Apr;100(4):591–3

Combined illumination–irrigation 20–gauge probes for vitrectomy. Meyers SM, et al. **Arch Ophthalmol** 1982 Apr; 100(4):622–3

The place for vitrectomy in posterior segment infection. Billson FA, et al. **Aust J Ophthalmol** 1981 Feb;9(1):21–5

Vitrectomy techniques in the management of traction retinal detachments. Cairns JD, et al. **Aust J Ophthalmol** 1981 Nov;9(4):279–84

Surgical treatment of epiretinal macular membranes. Cairns JD. **Aust J Ophthalmol** 1982 May;10(2):129–34

Indirect ophthalmoscopic control for vitrectomy. Constable IJ, et al. **Aust J Ophthalmol** 1981 Feb;9(1):41–2

The Ibra Ocular Cutter. Crock GW, et al. **Aust J Ophthalmol** 1982 May;10(2):125–7

Vitrectomy in the management of endophthalmitis. Hadden OB. **Aust J Ophthalmol** 1981 Feb;9(1):27–32

Pars plana vitrectomy. Heinze J. **Aust J Ophthalmol** 1981 Nov;9(4):325–30 (2 ref.)

Vitrectomy in complicated retinal detachments. Shanahan LF. **Aust J Ophthalmol** 1981 Feb;9(1):33–9

Anterior segment vitrectomy. Stern WH. **Aust J Ophthalmol** 1981 Feb;9(1):3–19 (73 ref.)

Use of portable vitrectomy instrumentation (VISC X) in the rural Guatemalan highlands. Kingham JD, et al. **Br J Ophthalmol** 1982 Sep;66(9):569–72

Ophthalmomyiasis interna posterior: report of case caused by the reindeer warble fly larva and review of previous reported cases. Syrdalen P, et al. **Br J Ophthalmol** 1982 Sep;66(9):589–93

Vitreous surgery with perforating eye wounds and intraocular foreign bodies. Dralands L, et al. **Bull Soc Belge Ophtalmol** 1981;193:25–30

Pars–plana–vitrectomy in the treatment of injuries with intraocular foreign bodies. Heimann K. **Bull Soc Belge Ophtalmol** 1981;193:13–24

Late complications of intraocular foreign bodies and the role of vitrectomy. Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1981;193:31–7

Vitreous stripper in anterior segment surgery. Demeler U. **Dev Ophthalmol** 1981;5:84–8

Use of the ocutome in anterior segment surgery. Fink AI, et al. **Dev Ophthalmol** 1981;5:77–83

Microsurgical management of macular epiretinal membranes (macular pucker). Fisher YL, et al. **Dev Ophthalmol** 1981; 5:122–30

Ocutome during intra–ocular implant surgery. Lim AS. **Dev Ophthalmol** 1981;5:98

Surgical management of persistent hyperplastic primary vitreous. Stark WJ. **Dev Ophthalmol** 1981;5:115–21

Vitrectomy techniques for managing selected intraocular lens complications. Stark WJ. **Dev Ophthalmol** 1981;5:89–97

Anterior bulbus perforation and vitrectomy in the 'minipig'. Graf C, et al. **Graefes Arch Clin Exp Ophthalmol** 1982; 218(3):141–4

Vitrectomy. Abraham C, et al. **Indian J Ophthalmol** 1981 Dec;29(4):359–62

Closed pars plana vitrectomy. Nagpal PN. **Indian J Ophthalmol** 1981 Dec;29(4):431–3

Vitrectomy––a pars plana approach. Satapathy M, et al. **Indian J Ophthalmol** 1981 Dec;29(4):367–8

Simultaneous closed vitrectomy and secondary intraocular lens implantation. Mackool RJ. **J Am Intraocul Implant Soc** 1981 Summer;7(3):233–6

Vitreous management during secondary implantation. Pallin SL, et al. **J Am Intraocul Implant Soc** 1981 Summer;7(3):271

The present management of diabetic retinopathy. Braunstein RA, et al. **J Med Soc NJ** 1982 Mar;79(3):203–6

CO2 laser in vitreoretinal surgery. Karlin DB, et al. **Lasers Surg Med** 1980;1(2):123–32

Immediate vitrectomy following severe ocular trauma: case reports. Steahly LP. **Milit Med** 1981 Dec;146(12):877–9

Retinal detachment and vitrectomy: nursing care. Boyd–Monk H. **Nurs Clin North Am** 1981;16(3):433–51

Argon laser photocoagulation of a vitreo–corneal adhesion after trauma. Bahn CF, et al. **Ophthalmic Surg** 1982 Jan; 13(1):53–5

Air–fluid exchange in the treatment of vitreous hemorrhage during vitrectomy. Cohen BZ, et al. **Ophthalmic Surg** 1982 Jul;13(7):585–6

Lensectomy–vitrectomy for stage V cicatricial retrolental fibroplasia. Merritt JC, et al. **Ophthalmic Surg** 1982 Apr; 13(4):306–6

Anti–inflammatory action of dexamethasone in vitrectomy infusion fluid. Raichand M, et al. **Ophthalmic Surg** 1982 Jun;13(6):493–8

Our experience in the treatment of the Irvine–Gass syndrome. Arciniegas CA, et al. **Ophthalmologica** 1982;184(1):21–5

Operative difficulties in removal of retained intraocular foreign bodies by vitreous surgery. Treister G, et al. **Ophthalmologica** 1981;183(3):136–42

The surgical and nonsurgical management of persistent hyperplastic primary vitreous. Federman JL, et al. **Ophthalmology (Rochester)** 1982 Jan;89(1):20–4

Cystoid macular edema after aphakic penetrating keratoplasty. Kramer SG. **Ophthalmology (Rochester)** 1981 Aug;88(8):782–7

Management of intraretinal foreign bodies. Slusher MM, et al. **Ophthalmology (Rochester)** 1982 Apr;89(4):369–73

Current management of giant retinal breaks: results with vitrectomy and total air fluid exchange in 95 cases. Freeman HM, et al. **Trans Am Ophthalmol Soc** 1981; 79:89–102

Increased retinal oxygen supply following pan–retinal photocoagulation and vitrectomy and lensectomy. Stefansson E, et al. **Trans Am Ophthalmol Soc** 1981; 79:307–34

Vitrectomy for retinal detachment. Charles S. **Trans Ophthalmol Soc UK** 1980;100(4):542–9

[Application of the vitreous–infusion–suction–cutter in the early extraction of traumatic cataracts (author's transl)] Jiang JK. **Chung Hua Yen Ko Tsa Chih** 1981 Jul; 17(4):208–10 **(Chi)**

[Cutting of fibrous bands in vitreous in operation for funnel–shaped retinal detachment (report of 20 cases) (author's transl)] Pan GF. **Chung Hua Yen Ko Tsa Chih** 1981 Jan;17(1):32–4 **(Chi)**

[Vitreous–infusion–suction–cutter and its clinical application (report of 14 cases) (author's transl)] Yu DY.

Chung Hua Yen Ko Tsa Chih 1979 May;15(2):82–5 **(Chi)**
[Synthetic substitutes of the vitreous body (author's transl)] Dvořák J, et al. **Cesk Oftalmol** 1982 Jan;38(1):27–32 (Eng. Abstr.) **(Cze)**
[Contemporary state of vitreous surgery (author's transl)] Kraus H, et al. **Cesk Oftalmol** 1982 Jan;38(1):47–50 (Eng. Abstr.) **(Cze)**
[Treatment of massive vitreoretinal retraction by vitrectomy] Verbraeken H, et al. **Bull Soc Belge Ophtalmol** 1981; 193:111–21 (Eng. Abstr.) **(Fre)**
[Treatment by vitrectomy and retinectomy (with injection of silicone, and argon laser photocoagulation) of endophthalmitis secondary to fungal septicemia] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1167–70 **(Fre)**
[2 cases of acute Candida albicans endophthalmitis treated by vitrectomy in heroin addicts] Limon S, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1163–5 **(Fre)**
[Role of vitrectomy in nonhemorrhagic conditions of the vitreous] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1981 Oct; 81(10):885–6 (Eng. Abstr.) **(Fre)**
[Use of the vitreotome in the treatment of pupillary block in the aphakic patient] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1981 Nov;81(11):931–9 **(Fre)**
[An intra-ocular electromagnet (author's transl)] Buffet JM, et al. **J Fr Ophtalmol** 1981;4(6–7):509–10 (Eng. Abstr.) **(Fre)**
[Pars plana vitrectomy: causal affections, material employed, and approach in 1400 cases (author's transl)] Haut J, et al. **J Fr Ophtalmol** 1982;5(3):197–201 (Eng. Abstr.) **(Fre)**
[Vitrectomy in chronic uveitis and other inflammatory opacities of the vitreous body] Klöti R. **Ber Zusammenkunft Dtsch Ophthalmol Ges** 1980;78:233–41 (Eng. Abstr.) **(Ger)**
[Treatment of bacterial endophthalmitis by vitrectomy and intraocularly administered antibiotics (author's transl)] Faulborn J. **Klin Monatsbl Augenheilkd** 1981 Dec; 179(6):512–3 (Eng. Abstr.) **(Ger)**
[Late results of pars plana vitrectomy in diabetics (author's transl)] Gnad HD, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):508–11 (Eng. Abstr.) **(Ger)**
[Factors provoking the development of rubeosis iridis after vitrectomy in diabetics (author's transl)] Klemen UM, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):505–7 (Eng. Abstr.) **(Ger)**
[Vitreous – loss less dangerous with the microstripper (author's transl)] Klöti R. **Klin Monatsbl Augenheilkd** 1982 May;180(5):447–50 (Eng. Abstr.) **(Ger)**
[Vitreous body hemorrhage in diabetic retinopathy: clinical course with and without vitrectomy] Koerner F. **Klin Monatsbl Augenheilkd** 1982 May;180(5):394–9 (Eng. Abstr.) **(Ger)**
[Results of vitrectomy in acute and chronic endophthalmitis (author's transl)] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1981 Dec;179(6):514–8 (Eng. Abstr.) **(Ger)**
[The VK-vitrektom. A vitrectomy machine for the anterior segment surgeon (author's transl)] Spitznas M. **Klin Monatsbl Augenheilkd** 1981 Sep;179(3):201–3 (Eng. Abstr.) **(Ger)**
[Biological basis of vitreous surgery (author's transl)] Honda Y, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(11):1910–49 (Eng. Abstr.) **(Jpn)**
[Clinical and basic studies on vitreous surgery (author's transl)] Matsui M, et al. **Nippon Ganka Gakkai Zasshi** 1981; 85(11):1950–68 (Eng. Abstr.) **(Jpn)**
[Pars plana vitreous surgery in massive periretinal proliferation (author's transl)] Oshima K. **Nippon Ganka Gakkai Zasshi** 1981;85(11):1979–84 **(Jpn)**
[Anterior vitrectomy in a cataract operation] Radian AB. **Rev Chir [Oftalmol]** 1981 Apr–Jun;25(2):131–4 (Eng. Abstr.) **(Rum)**
[Removal of the vitreous body and laser interventions in complicated forms of diabetic retinopathy] Fedorov SN, et al. **Oftalmol Zh** 1982;37(1):44–7 (Eng. Abstr.) **(Rus)**
[Vitreal microsurgery in posttraumatic glaucoma] Gundorova RA, et al. **Oftalmol Zh** 1981;36(7):420–3 (Eng. Abstr.) **(Rus)**
[Use of a vitreotome of our own modification for cataract extraction] Kolisnichenko IuV. **Oftalmol Zh** 1981; 36(3):185–6 **(Rus)**
[Cryosurgical method of treating vitreous body adherence to the cornea following cataract extraction] Batmanov IuE, et al. **Vestn Oftalmol** 1981 May–Jun;(3):16–8 (Eng. Abstr.) **(Rus)**
[Treatment of endophthalmitis by vitrectomy] Iuzhakov AM, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):21–7 (Eng. Abstr.) **(Rus)**
[Laser coagulation of the vitreous body vessels before vitrectomy] Makarskaia NV, et al. **Vestn Oftalmol** 1981 Jul–Aug;(4):21–3 (Eng. Abstr.) **(Rus)**
[Hydromonitor phacofragmentation and vitrectomy (theoretical, experimental and clinical bases)] Temirov NE. **Vestn Oftalmol** 1982 Mar–Apr;(2):20–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Actin filaments in diabetic fibrovascular preretinal membrane. Wallow IH, et al. **Arch Ophthalmol** 1981 Dec; 99(12):2175–81
Structural basis of contraction in vitreal fibrous membranes. Grierson I, et al. **Br J Ophthalmol** 1981 Nov;65(11):737–49
Morphometric analysis of basal laminae in rats with long-term streptozotocin diabetes. I. Vitreoretinal juncture. Fischer F, et al. **Exp Eye Res** 1982 Apr;34(4):595–600
An ultrastructural study of the complex carbohydrates of the mouse posterior vitreoretinal juncture. Rhodes RH. **Invest Ophthalmol Vis Sci** 1982 Apr;22(4):460–77

VIVISECTION

INSTRUMENTATION

The dynamic spatial reconstructor: noninvasive vivisection of the heart, lungs, and circulation. Smith HC. **J Cardiogr** 1981 Dec;11(4):1049–60

VOCABULARY

Dormitory language project. Gillette SW. **Am Ann Deaf** 1981 Sep;126(6):703–6
Television program + script = high motivation in vocabulary and English. Hendricks P, et al. **Am Ann Deaf** 1981 Sep;126(6):755–9
The elderly and informed consent: effects of vocabulary level and corrected feedback. Taub HA, et al. **Exp Aging Res** 1981 Summer;7(2):137–46
Varus and valgus [letter] Slone DE Jr. **J Am Vet Med Assoc** 1982 Jan 1;180(1):6, 26
Verbal-performance IG discrepancy score: a comment on reliability, abnormality, and validity. Berk RA. **J Clin Psychol** 1982 Jul;38(3):638–41
Use of the WISC-R and PPVT-R with mentally retarded children. Naglieri JA. **J Clin Psychol** 1982 Jul;38(3):635–7
Vocabulary deficit and abstraction impairment in hospitalized alcoholics. Draper RJ, et al. **Psychol Med** 1982 May; 12(2):341–7

VOCABULARY TESTS see **LANGUAGE TESTS**

VOCAL CORD PARALYSIS

COMPLICATIONS

Endoscopic rehabilitation of the airway in laryngeal paralysis. Kirchner FR. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):382–3
Newly recognized syndrome in the neck: Horner's syndrome with ipsilateral vocal cord and phrenic nerve palsies [letter] Ardran GM. **J R Soc Med** 1982 Jun;75(6):484–5
Newly recognized syndrome in the neck: Horner's syndrome with ipsilateral vocal cord and phrenic nerve palsies. Payne CM. **J R Soc Med** 1981 Nov;74(11):814–8
[Inspiratory stridor due to vocal cord paralysis in children with myelomeningocele and hydrocephalus] Kiinkers HM. **Tijd Kindergeneeskd** 1982 Feb;50(1):19–24 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Laryngeal paralysis in children: a long-term retrospective study. Cohen SR, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):417–24
Pseudolaryngeal paralysis: a postintubation complications. Cohen SR. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):483–8
Medullary carcinoma of the thyroid masquerading as idiopathic vocal cord paralysis. Hays LL, et al. **Otolaryngol Head Neck Surg** 1982 Jan–Feb;90(1):81–4

DRUG THERAPY

Reversal of recurrent laryngeal nerve palsy following VP16-213 combination therapy in a patient with metastatic teratoma of the testis. Rubery ED. **Cancer Chemother Pharmacol** 1982;7(2–3):219–21
Injection of Teflon paste into vocal cords [letter] Janeke JB, et al. **S Afr Med J** 1982 Aug 21;62(9):270
[Paraffin injection in unilateral recurrent nerve paralysis] Tommerup B, et al. **Ugeskr Laeger** 1981 Dec 7; 143(50):3382–4 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Horner's syndrome and vocal cord paralysis as a complication of percutaneous internal jugular vein catheterisation in adults. Davis P, et al. **Anaesthesia** 1982 May;37(5):587–8
Laryngeal complications of nasogastric tubes. Sofferman RA, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):465–8
Vocal cord paralysis. Association with superior mediastinal widening secondary to tortuosity of the great vessels. Miglets AW, et al. **Arch Otolaryngol** 1982 Feb;108(2):112–3
Vocal cord paralysis (VCP)—an aetiologic review of 100 cases over 20 years. Kearsley JH. **Aust NZ J Med** 1981 Dec;11(6):663–6
Bilateral vocal cord paralysis following endotracheal intubation. Gibbin KP, et al. **Br J Anaesth** 1981 Oct; 53(10):1091–2
Hoarseness of voice in chronic cor pulmonale [letter] Abdullah AK, et al. **Chest** 1982 Mar;81(3):395
Postoperative recurrent nerve palsy. Hockauf H, et al. **Head Neck Surg** 1982 May–Jun;4(5):380–4
Recurrent laryngeal nerve paralysis following pacemaker introduction. Copperman YJ, et al. **PACE** 1982 Jul; 5(4):535–6
Vocal cord paralysis after endotracheal anesthesia. Cox RH, et al. **South Med J** 1981 Oct;74(10):1258–9
[Recurrent nerve paralysis following thyroid surgery (author's transl)] André P, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):443–5 (Eng. Abstr.) **(Fre)**
[Rheumatic syndromes with ENT symptoms (author's transl)] Henin JM, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(3):103–6 (Eng. Abstr.) **(Fre)**
[The spontaneous regression of recurrent nerve paralysis after goiter surgery] Gollwitzer M, et al. **Med Welt** 1982 Feb 5;33(5):172–4 **(Ger)**
[Paralysis of pharyngeal and laryngeal muscles following a high-voltage electric injury complicated by severe head injury] Ozerov KK, et al. **Anesteziol Reanimatol** 1982 May–Jun;(3):75–6 **(Rus)**

FAMILIAL & GENETIC

Familial laryngeal abductor paralysis with presumed autosomal dominant inheritance. Morelli G, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun;91(3 Pt 1):323–4
[Familial recurrent laryngeal nerve paralysis, a genetically fixed syndrome — additional remark on linkage of deficiency gene and HLA (author's transl)] Brunner FX, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 Apr;61(4):186–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Idiopathic laryngeal nerve palsy and prevalence of influenza (author's transl)] Sato I, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun;84(6):601–6 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Semon's law a century later. Kirchner JA. **J Laryngol Otol** 1982 Jul;96(7):645–57

PHYSIOPATHOLOGY

[The mechanism of the ventricular fold voice. A critical alternative response to the concepts of Réthi] Kruse E. **Folia Phoniatr (Basel)** 1981;33(5):294–313 (Eng. Abstr.) **(Ger)**

SURGERY

Nerve-muscle pedicle reinnervation of the larynx: avoiding pitfalls and complications. Tucker HM. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):440–4
Validation of a vocal cord lateralization procedure. Lewy RB, et al. **Laryngoscope** 1982 Jun;92(6 Pt 1):697–9
Delayed reinnervation of unilateral vocal cord paralysis in dogs. Neal GD, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):608–12
[Bilateral recurrent paralysis and his treatment (author's transl)] Labayle J, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(3):135–8 (Eng. Abstr.) **(Fre)**
[Use of the laser in acquired laryngostenosis and laryngeal diplegia] Gaillard J, et al. **J Fr Otorhinolaryngol** 1982 Apr; 31(4):261–6 **(Fre)**
[Reinnervation of the paralyzed vocal cord] Pech A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov–Dec; 102(11–12):461–70 (Eng. Abstr.) **(Fre)**
[Medial displacement of the vocal cord by means of partial thyroid cartilage impression (author's transl)] Beck C, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):251–3 (Eng. Abstr.) **(Ger)**
[Report on the indication, technique and functional results of endolaryngeal arytenoidectomy and submucous partial chordectomy in bilateral paralysis of vocal cord (author's transl)] Kleinsasser O, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):397–401 (Eng. Abstr.) **(Ger)**
[Results of an endolaryngeal method of vertico-lateral transposition of the vocal cord for bilateral abductor paralysis (author's transl)] Langnickel R. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):254–7 (Eng. Abstr.) **(Ger)**
[Surgery of the larynx with fibrinous tissue glue (author's transl)] Naumann C, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):364–6 (Eng. Abstr.) **(Ger)**
[Bilateral paralysis of the recurrent nerve] Jójárt G, et al. **Orv Hetil** 1981 Jun 28;122(26):1588–9 **(Hun)**
[Functional methods for the surgical treatment of laryngeal paralysis] Karpova OIu. **Vestn Otorinolaringol** 1982 May–Jun;(3):81–4 (54 ref.) **(Rus)**

THERAPY

Laryngeal reinnervation for unilateral vocal cord paralysis: long-term results. Tucker HM, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):457–9
[Teflon paste injection in vocal cord paralysis. Our experience and the future of injection techniques (author's transl)] Freche C, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):479–82 (Eng. Abstr.) **(Fre)**
[Treatment of laryngeal paralysis in the new born (author's transl)] Narcy P, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):405–10 (Eng. Abstr.) **(Fre)**

[Treatment of bilateral laryngeal abductor paralysis (author's transl)] Piquet JJ, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(1-2):55-7 (Eng. Abstr.) **(Fre)**

VETERINARY

Paralaryngeal abscess with laryngeal hemiplegia and fistulation in a horse. Barber SM. **Can Vet J** 1981 Dec; 22(12):389-92

Arterial blood gas values in horses with laryngeal paralysis. Dixon PM. **Equine Vet J** 1982 Jul;14(3):246-8

Laryngeal paralysis in three cats. Hardie EM, et al. **J Am Vet Med Assoc** 1981 Nov 1;179(9):879-82

Bilateral arytenoid cartilage lateralization for laryngeal paralysis in the dog. Rosin E, et al. **J Am Vet Med Assoc** 1982 Mar 1;180(5):515-8

Equine laryngeal hemiplegia, Part I: Physical characteristics of affected animals. Goulden BE, et al. **NZ Vet J** 1981 Sep;29(9):151-4

[Laryngeal paralysis in Bouviers Belge des Flandres and breeding advice to prevent this condition (author's transl)] Venker-van Haagen AJ. **Tijdschr Diergeneeskd** 1982 Jan 1;107(1):21-2 (Eng. Abstr.) **(Dut)**

VOCAL CORDS

Glottic carcinoma limited to the vocal cords. Van Den Bogaert W, et al. **Acta Radiol [Oncol]** 1982;21(1):33-7

Bilateral vertical partial laryngectomy for bilateral vocal cord carcinoma. Biller HF, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct;90(5 Pt 1):489-91

Pathologic quiz case 2: oncocytic cyst. Fechner RE. **Arch Otolaryngol** 1981 Dec;107(12):776-9

Pathologic quiz case 1: histoplasmosis. Fechner RE. **Arch Otolaryngol** 1981 Dec;107(12):776-8

A case of vocal cord nodules masking essential (voice) tremor. Hartman DE, et al. **Arch Otolaryngol** 1982 Jan; 108(1):52-3

A 'watchful waiting' policy for in situ carcinoma of the vocal cords. Hintz BL, et al. **Arch Otolaryngol** 1981 Dec; 107(12):746-51

The blue rubber bleb nevus syndrome. Crepeau J, et al. **J Otolaryngol** 1981 Oct;10(5):387-90

Radiotherapy in the treatment of carcinoma of the vocal cords: results of a 10-year experience. Kardell WD, et al. **Med J Aust** 1982 May 1;1(9):381-3

Speech and survival: tradeoffs between quality and quantity of life in laryngeal cancer. McNeil BJ, et al. **N Engl J Med** 1981 Oct 22;305(17):982-7

[The treatment of epitheliomas of the vocal cord] Piquet JJ, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep-Oct; 102(9-10):401-9 (Eng. Abstr.) **(Fre)**

[Sulcus glottides] Roch JB, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jul-Aug; 102(7-8):333-46 (Eng. Abstr.) **(Fre)**

[Radium contact therapy of vocal cord carcinomas: is it still indicated today? (author's transl)] Chilla R, et al. **HNO** 1981 Dec;29(12):407-14 (Eng. Abstr.) **(Ger)**

[Functional results after primary radiation therapy of vocal cord cancer (II. report) (author's transl)] Fürst H, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):123-6 **(Ger)**

[Some consideration about progress of glottic carcinoma--relation between duration of hoarseness and tumor size (author's transl)] Ono I, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Jun;84(6):596-600 (Eng. Abstr.) **(Jpn)**

[Microevolution of vocal cord carcinoma (author's transl)] Szlęzak L, et al. **Otolaryngol Pol** 1982;36(2-3):97-106 **(Pol)**

[Emergency treatment of hemorrhagic monocorditis] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 1982 Jan-Mar; 27(1):31-4 (Eng. Abstr.) **(Rum)**

ANATOMY & HISTOLOGY

In vivo holography of vocal cords. Raviv G, et al. **J Surg Oncol** 1982 Aug;20(4):213-7

CYTOLOGY

[Micromeasuring studies on age changes in m. vocalis of male autopsy cases (author's transl)] Sato T, et al. **Nippon Ronen Igakkai Zasshi** 1982 Jan;19(1):26-32 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Bradycardia with laryngeal spraying in children. Mirakhur RK. **Acta Anaesthesiol Scand** 1982 Apr;26(2):130-2

INJURIES

Traumatic extubation with laryngotracheal injury. Nagaraj HS, et al. **J Ky Med Assoc** 1981 Oct;79(10):652-3

INNERVATION

Laryngeal reinnervation for unilateral vocal cord paralysis: long-term results. Tucker HM, et al. **Ann Otol Rhinol Laryngol** 1981 Sep-Oct;90(5 Pt 1):457-9

Relation of medullary motor nuclei to nerves supplying the vocal tract of the budgerigar (Melopsittacus undulatus). Manogue KR, et al. **J Comp Neurol** 1982 Feb 1; 204(4):384-91

Bilateral organization of the vocal control pathway in the budgerigar, Melopsittacus undulatus. Paton JA, et al. **J Neurosci** 1981 Nov;1(11):1279-88

[Reinnervation of the paralyzed vocal cord] Pech A, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov-Dec; 102(11-12):461-70 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Carcinoma in situ and severe dysplasia of the vocal cords. A clinicopathological and photometric investigation. Hellquist H, et al. **Acta Otolaryngol (Stockh)** 1981 Nov-Dec;92(5-6):543-55

Pathogenesis of vocal cord polyps. Kleinsasser O. **Ann Otol Rhinol Laryngol** 1982 Jul-Aug;91(4 Pt 1):378-81

Warty dyskeratoma of the vocal cord. First reported case. Kambič V, et al. **Arch Otolaryngol** 1982 Jun;108(6):385-7

Hyperplasia, keratosis, dysplasia and carcinoma in situ of the vocal cords--a follow-up study. Hellquist H, et al. **Clin Otolaryngol** 1982 Feb;7(1):11-27 (75 ref.)

Pseudocarcinomatous hyperplasia of the larynx due to Candida albicans. Hicks JN, et al. **Laryngoscope** 1982 Jun; 92(6 Pt 1):644-7

[Contribution to the pathogenesis of carcinoma after laryngeal epithelial dysplasia (author's transl)] Laniado K, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Nov;60(11):571-2 (Eng. Abstr.) **(Ger)**

[Remote results of laryngeal examination of children treated by long-term intubation during laryngitis] Zgliczyńska M, et al. **Otolaryngol Pol** 1981;35(2):127-9 (Eng. Abstr.) **(Pol)**

[Abrikosov's granular cell tumor localized on the vocal fold] Shevchenko AM, et al. **Vestn Otorinolaringol** 1981 Sep-Oct;(5):77-8 **(Rus)**

[Lipoidproteinosis] Sangueza P, et al. **Med Cutan Iber Lat Am** 1981;9(3):211-6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Changes in respiratory movements of the human vocal cords during hyperpnea. England SJ, et al. **J Appl Physiol** 1982 Mar;52(3):780-5

Influence of human vocal cord movements on airflow and resistance during eupnea. England SJ, et al. **J Appl Physiol** 1982 Mar;52(3):773-9

Identification of the motor laryngeal nerves - a new electrical stimulation technique. Spahn JG, et al. **Laryngoscope** 1981 Nov;91(11):1865-8

[Mechanical properties of the normal vocal fold in vivo (author's transl)] Uchida K. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Feb;85(2):161-74 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Vibratory behavior of the vocal folds in a case with a unilateral polyp. Hirano M, et al. **Folia Phoniatr (Basel)** 1981;33(5):275-84

Voice disorders in children: structure and evaluation. Bloom LA, et al. **Pediatr Clin North Am** 1981 Nov;28(4):957-63

SURGERY

Vocal nodules in children--aetiology and management. Kay NJ. **J Laryngol Otol** 1982 Aug;96(8):731-6

Hemilaryngectomy and vocal cord reconstruction with digastric tendon graft. Park NH, et al. **Surg Gynecol Obstet** 1982 Aug;155(2):253-6

[Report on the indication, technique and functional results of endolaryngeal arytenoidectomy and submucous partial chordectomy in bilateral paralysis of vocal cord (author's transl)] Kleinsasser O, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):397-401 (Eng. Abstr.) **(Ger)**

[Results of an endolaryngeal method of vertico-lateral transposition of the vocal cord for bilateral abductor paralysis (author's transl)] Langnickel R. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):254-7 (Eng. Abstr.) **(Ger)**

VOCALIZATION, ANIMAL

Vocal and nonvocal discriminative performance in monkeys. Sutton D, et al. **Brain Lang** 1981 Sep;14(1):93-105

Behavioral correlates of sexual differentiation in the zebra finch song system. Gurney ME. **Brain Res** 1982 Jan 7; 231(1):153-72

Amygdalar vocalization pathways in the squirrel monkey. Jürgens U. **Brain Res** 1982 Jun 10;241(2):189-96

Auditory responses in the zebra finch's motor system for song. Katz LC, et al. **Brain Res** 1981 Sep 21;221(1):192-7

Androgen increases protein synthesis within the avian brain vocal control system. Konishi M, et al. **Brain Res** 1981 Oct 19;222(2):442-6

Temporal organization of ultrasonic vocalizations in infant mice. Elwood RW, et al. **Dev Psychobiol** 1982 May; 15(3):221-7

Developmental overproduction and selective attrition: new processes in the epigenesis of birdsong. Marler P, et al. **Dev Psychobiol** 1982 Jul;15(4):369-78

Selective resistance to approach: a precursor to fear responses to an alarm call in great tit nestlings Parus major. Rydén OO. **Dev Psychobiol** 1982 Mar;15(2):113-20

Statistical discrimination among vocalizations of individual squirrel monkeys (Saimiri sciureus). Smith HJ, et al. **Folia Primatol (Basel)** 1982;37(3-4):267-79

Development of species identification in ducklings: VIII. Embryonic versus postnatal critical period for the maintenance of species-typical perception. Gottlieb G. **J Comp Physiol Psychol** 1981 Aug;95(4):540-7

Visual preferences of imprinted ducklings are altered by the maternal call. Johnston TD, et al. **J Comp Physiol Psychol** 1981 Oct;95(5):663-75

Ultrasonic vocalizations in male deer mice (Peromyscus maniculatus bairdi): their role in male sexual behavior. Pomerantz SM, et al. **Physiol Behav** 1981 Nov;27(5):869-72

DRUG EFFECTS

Behavioral model for diffuse noxious inhibitory controls (DNIC): potentiation by 5-hydroxytryptophan. Kraus E, et al. **Brain Res** 1982 Jan 14;231(2):461-5

Ultrasonic vocalizations as diagnostic tools in studies of developmental toxicity: an investigation of the effects of hypervitaminosis A. Adams J. **Neurobehav Toxicol Teratol** 1982 May-Jun;4(3):299-304

Haloperidol and clonidine increase, and apomorphine decreases ultrasonic vocalizations by gerbils. Thiessen DD, et al. **Psychopharmacology (Berlin)** 1981;75(3):287-90

[Effects of intra-arterially administered capsaicinoids on vocalization in guinea pigs and medial thalamic neuronal activity in cats (author's transl)] Andoh R, et al. **Nippon Yakurigaku Zasshi** 1982 Apr;79(4):275-83 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Effects of hyperbilirubinemia on the hearing and vocal development in Gunn rats. Lenhardt ML. **Arch Otolaryngol** 1982 Jun;108(6):339-42

Vocalization after electrostimulation of the brain of pigeons in relation to heart- and breathing-rates. Jahnke HJ, et al. **Behav Brain Res** 1982 May;5(1):65-72

Midbrain regions involved in call production in Java sparrows. Seller TJ. **Behav Brain Res** 1980 Jun;1(3):257-65

Motoneurons that control vocalization in a reptile: an HRP histochemical study. Kennedy MC. **Brain Res** 1981 Aug 10;218(1-2):337-41

Cortical lesion effects and vocalization in the squirrel monkey. Kirzinger A, et al. **Brain Res** 1982 Feb 11; 233(2):299-315

Neurobiology of primate audio-vocal behavior. Ploog D. **Brain Res** 1981 Aug;228(1):35-61 (68 ref.)

Enkephalin-like immunoreactivity in vocal control regions of the zebra finch brain. Ryan SM, et al. **Brain Res** 1981 Dec 14;229(1):236-40

Identification of ultrasonic vocalization substrates determined by electrical stimulation applied to the medulla oblongata in the rat. Yajima Y, et al. **Brain Res** 1981 Dec 21; 229(2):353-62

Ambiguus motoneurons discharging closely associated with ultrasonic vocalization in rats. Yajima Y, et al. **Brain Res** 1982 Apr 29;238(2):445-50

Effects of photostimulation, castration, and testosterone replacement on daily patterns of calling and locomotor activity in Japanese quail. Wada M. **Horm Behav** 1981 Sep; 15(3):270-81

Evidence for cholinergic participation in the control of bird song; acetylcholinesterase distribution and muscarinic receptor autoradiography in the zebra finch brain. Ryan SM, et al. **J Comp Neurol** 1981 Oct 20;202(2):211-9

Stimuli for male mouse (Mus musculus) ultrasonic courtship vocalizations: presence of female chemosignals and/or absence of male chemosignals. Nyby J, et al. **J Comp Physiol Psychol** 1981 Aug;95(4):623-9

Hormonal control of cell form and number in the zebra finch song system. Gurney ME. **J Neurosci** 1981 Jun;1(6):658-73

Dendritic spine loss and enlargement during maturation of the speech control system in the mynah bird (Gracula religiosa). Rausch G, et al. **Neurosci Lett** 1982 Apr 16; 29(2):129-33

Olfactory and vomeronasal mediation of ultrasonic vocalizations in male mice. Bean NJ. **Physiol Behav** 1982 Jan;28(1):31-7

Interaction between auditory and motor activities in an avian song control nucleus. McCasland JS, et al. **Proc Natl Acad Sci USA** 1981 Dec;78(12):7815-9

Testosterone uptake in the brainstem of a sound-producing fish. Fine ML, et al. **Science** 1982 Mar 5;215(4537):1265-7

A brain for all seasons: cyclical anatomical changes in song control nuclei of the canary brain. Nottebohm F. **Science** 1981 Dec 18;214(4527):1368-70

[Neuronal reactions of the cat sensorimotor cortex to species-specific vocalizations] Kulikov GA, et al. **Dokl Akad Nauk SSSR** 1982;264(3):740-4 **(Rus)**

[Interaction of brain structures regulating the vocal and respiratory systems] Vasilevskiĭ NN, et al. **Fiziol Zh SSSR** 1981 May;67(5):725-31 (Eng. Abstr.) **(Rus)**

[Role of species-specific acoustic signals in the 'homing' orientation of intact and olfactory deprived kittens] Lushchekin VS. **Zh Vyssh Nerv Deiat** 1981 Nov-Dec; 31(6):1171-8 (Eng. Abstr.) **(Rus)**

VOCATIONAL EDUCATION

Deaf-blind computer training program at Ohlone Community College. Bravin PW, et al. **Am Ann Deaf** 1981

Sep;126(6):731–5
Vocational/educational services in a medical rehabilitation facility: outcomes in spinal cord and brain injured patients. Jellinek HM, et al. **Arch Phys Med Rehabil** 1982 Feb; 63(2):87–8
Delivering vocational education to handicapped learners. Greenan JP, et al. **Except Child** 1982 Feb;48(5):408–11
Changing vocational teachers' attitudes toward the handicapped. McDaniel L. **Except Child** 1982 Jan; 48(4):377–8
Expectations of vocational teachers for handicapped students. Minner S. **Except Child** 1982 Feb;48(5):451–3
Vocational course of Stoneycroft. Smith B, et al. **Spec Educ Forward Trends** 1981 Dec;8(4):15–6
[Survey of the dental condition of students at trade schools] Kovács G, et al. **Fogorv Sz** 1981 Jun;74(6):183–6 (Eng. Abstr.) **(Hun)**
[Energy expenditure of the work performed in the school workshops of vocational schools] Banaszkiewicz A, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):479–84 (Eng. Abstr.) **(Pol)**
[Organization of the extracurricular activities of Vladivostok vocational and technical school students] Andreianov VIu. **Gig Sanit** 1981 Jun;(6):68 **(Rus)**
[Hygienic bases of the occupational stability of the graduates of construction and metal-working vocational and technical schools] Gapon VA. **Gig Sanit** 1982 Feb;(2):51–2 **(Rus)**
[Status of the hearing analyzer in student lathe operators in a technical school] Khramtsova AD, et al. **Gig Sanit** 1981 Oct;(10):31–3 (Eng. Abstr.) **(Rus)**
[Medical occupational guidance of construction brigade students as a factor in preventing morbidity and raising work productivity] Koroleva VA, et al. **Gig Sanit** 1981 Sep;(9):82–3 **(Rus)**
[Psychophysiological body functions in students of vocational and technical schools and of adult Linotype operators with varying degrees of job mastery] Manolova A. **Gig Sanit** 1981 Oct;(10):28–31 (Eng. Abstr.) **(Rus)**
[Physiological evaluation of the body function of technical school students on days devoted to theoretical or vocational instruction] Marat BA, et al. **Gig Sanit** 1982 Apr; (4):34–7 (Eng. Abstr.) **(Rus)**
[Use of autonomic nervous system indices for evaluating the processes of schoolchildren's adaptation to academic vocational instruction] Sergeta VN, et al. **Gig Sanit** 1981 Oct;(10):68–70 **(Rus)**
[Hygienic basis of a work-study regimen in secondary vocational and technical schools] Sukhareva LM, et al. **Gig Sanit** 1981 Nov;(11):24–7 (Eng. Abstr.) **(Rus)**
[Body functional state of students in secondary vocational and technical schools] Sukhareva LM, et al. **Gig Sanit** 1982; (1):20–3 (Eng. Abstr.) **(Rus)**

METHODS

Drugs and youth: an international perspective on vocational and social reintegration. Sackstein E. **Bull Narc** 1981; 33(4):33–45
[Hygienic assessment of the organization of occupational practice in secondary vocational and technical schools] Sukhareva LM, et al. **Gig Sanit** 1981 Aug;(8):31–3 (Eng. Abstr.) **(Rus)**
[Method of predicting the effectiveness of vocational instruction in interschool vocational education centers] Turkov PN, et al. **Gig Sanit** 1982;(1):56–8 (19 ref.) **(Rus)**

VOCATIONAL GUIDANCE

[Tasks and responsibilities of the youth health protection service in job counseling of adolescents] Hiller U, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 15;76(8):364–6 **(Ger)**

METHODS

Career guidance by computer [editorial] Paton A. **Br Med J [Clin Res]** 1982 Feb 13;284(6314):442
[On the vocational counselling of physically disabled young people--some remarks on the findings presented by E.-M. Weinwurm-Krause (author's transl)] Dieterich H. **Rehabilitation (Stuttg)** 1981 Nov;20(4):165–9 (Eng. Abstr.) **(Ger)**
[The situation of thalidomide-affected young people in choosing an occupation (author's transl)] Weinwurm-Krause EM. **Rehabilitation (Stuttg)** 1981 Nov; 20(4):159–64 (Eng. Abstr.) **(Ger)**

VOCATIONAL REHABILITATION see **REHABILITATION, VOCATIONAL**

VOCATIONS see **OCCUPATIONS**

VOICE

see related
CRYING

Functions of consonant assimilation and reduplication in early word productions of mentally retarded children. Prater RJ. **Am J Ment Defic** 1982 Jan;86(4):399–404
Professional singers: the science and art of clinical care. Sataloff RT. **Am J Otolaryngol** 1981 Aug;2(3):251–66
Vocal quality, articulation and audiological characteristics of children and young adults with diagnosed allergies. Baker BM, et al. **Ann Otol Rhinol Laryngol** 1982 May–Jun; 91(3 Pt 1):277–80
Reduction of disruptively loud voice volume using a 'tok-back' device. Allen LD. **Appl Res Ment Retard** 1982; 3(1):67–80
On the role of the anterior cingulate cortex in phonation: a case report. Jürgens U, et al. **Brain Lang** 1982 Mar; 15(2):234–48
Prosodic disturbance and neurologic lesion. Kent RD, et al. **Brain Lang** 1982 Mar;15(2):259–91
Role of the internal laryngeal nerve in phonation: an experimental study in the squirrel monkey. Thoms G, et al. **Exp Neurol** 1981 Oct;74(1):187–203
Prephonatory chest wall posturing. Baken RJ, et al. **Folia Phoniatr (Basel)** 1981;33(4):193–203
Comparison of two methods of photoglottography in relation to electroglottography. Dejonckere PH. **Folia Phoniatr (Basel)** 1981;33(6):338–47
A voice of onset time analysis of initial Swiss-German stops. Enstrom DH, et al. **Folia Phoniatr (Basel)** 1981;33(3):137–50
Fundamental frequency characteristics and perceived age of adult male speakers. Horii Y, et al. **Folia Phoniatr (Basel)** 1981;33(4):227–33
Procedural aspects of eliciting maximum phonation time. Neiman GS, et al. **Folia Phoniatr (Basel)** 1981;33(5):285–93
Vowel height and the perception of consonant nasality. Abramson AS, et al. **J Acoust Soc Am** 1981 Aug; 70(2):329–39
Discrimination of voice onset time in infancy. Eilers RE, et al. **J Acoust Soc Am** 1981 Oct;70(4):955–65
Vowel duration as a perceptual cue to postvocalic consonant voicing in young children and adults. Krause SE. **J Acoust Soc Am** 1982 Apr;71(4):990–5
Harmonics-to-noise radio as an index of the degree of hoarseness. Yumoto E. et al. **J Acoust Soc Am** 1982 Jun; 71(6):1544–9
Mutational falsetto. Kaplan SL. **J Am Acad Child Psychiatry** 1982 Jan;21(1):82–5
Elevation of voice volume in young developmentally delayed children via an operant shaping procedure. Fleece L, et al. **J Appl Behav Anal** 1981 Fall;14(3):351–5
Cigarette smoking and voice fundamental frequency. Sorensen D, et al. **J Commun Disord** 1982 Mar;15(2):135–44
Instrumentation and validity for direct-readout voice onset time measurement. Till JA, et al. **J Commun Disord** 1981 Nov;14(6):507–12
Vocal indicators of psychiatric treatment effects in depressives and schizophrenics. Tolkmitt F, et al. **J Commun Disord** 1982 Jun;15(3):209–22
Detecting deception: the promise and the reality of voice stress analysis. Horvath F. **J Forensic Sci** 1982 Apr; 27(2):340–51 (38 ref.)
Frequency variability in the aged voice. Benjamin BJ. **J Gerontol** 1981 Nov;36(6):722–6
Singing and science. White BD. **J Laryngol Otol** 1982 Feb; 96(2):141–57
A case study of vocal volume reduction. Lodge JM, et al. **J Speech Hear Disord** 1981 Aug;46(3):317–20
Latency of vocalization onset for stutterers and nonstutterers under conditions of auditory and visual cueing. McFarlane SC, et al. **J Speech Hear Disord** 1981 Aug;46(3):307–12
A study of the voicing distinction associated with omitted, work-final stops. Weismer G, et al. **J Speech Hear Disord** 1981 Aug;46(3):320–8
Jitter and shimmer differences among sustained vowel phonations. Horii Y. **J Speech Hear Res** 1982 Mar; 25(1):12–4
Productive strategies for the pronunciation of early polysyllabic lexical items. Klein HB. **J Speech Hear Res** 1981 Sep;24(3):389–405
Voice onset time in normal-aged population. Sweeting PM, et al. **J Speech Hear Res** 1982 Mar;25(1):129–34
The Blom-Singer endoscopic technique under local anesthesia for restoration of voice after laryngectomy. Mitchell FB, et al. **J Tenn Med Assoc** 1981 Dec; 74(12):867–9
Perceptual characteristics of female voices. Batstone S, et al. **Lang Speech** 1981;24(Pt 2):111–23
Perception of speech rate as a function of vocal intensity and frequency. Feldstein S, et al. **Lang Speech** 1981 Dec; 24(Pt 4):387–94
Speech development in aphonic children. Tucker HM, et al. **Laryngoscope** 1982 May;92(5):566–8
Detailed investigation of laryngeal speech to elucidate etiology of variation in quality. Kelly DR, et al. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):613–23
Influence of personal characteristics of the speaker on phonetic quality in perception of vowels. Fox RA. **Percept Mot Skills** 1981 Oct;53(2):515–9
Effect of vocal disguise on judgments of speakers' sex and race. Lass NJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1235–40
Effect of vocal disguise on estimations of speakers' ages. Lass NJ, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1311–5
Effect of vocal disguise on estimations of speakers' heights and weights. Lass NJ, et al. **Percept Mot Skills** 1982 Apr; 54(2):643–9
Relaxation training tapes: preferences and effects of gender and background. Nathan RG, et al. **Percept Mot Skills** 1981 Dec;53(3):927–34
Perception-production relations in the voicing contrast for initial stops in 3-year-olds. Bailey PJ, et al. **Phonetica** 1981; 37(5–6):377–96
Infant labial, apical and velar stop productions: a voice onset time analysis. Enstrom DH. **Phonetica** 1982;39(1):47–60
Scaling of glottal opening. Löfqvist A, et al. **Phonetica** 1981; 38(5–6):265–76
Cricothyroid activity and control of voicing in Hindi stops and affricates. Prakash Dixit R, et al. **Phonetica** 1981; 37(5–6):397–406
Laryngeal adjustments in the production of the fricative consonants and devoiced vowels in Japanese. Yoshioka H. **Phonetica** 1981;38(4):236–51
Tongue apex activities during alveolar stops. Zawadzki PA. **Phonetica** 1981;38(4):227–35
Voice pitch measurements in schizophrenia and depression. Leff J, et al. **Psychol Med** 1981 Nov;11(4):849–52
A note on pitch control in esophageal speech. Traill A. **S Afr J Commun Disord** 1980;27:95–8
[Surgical rehabilitation of the voice after laryngectomy] Hybášek I. **Cesk Otolaryngol** 1982 Jan;31(1):29–35 (Eng. Abstr.) **(Cze)**
[Preliminary results of phonatory echotomography (author's transl)] Rybak B, et al. **C R Seances Acad Sci [III]** 1982 May 10;294(17):855–7 **(Fre)**
[Cerebral asymmetry and voice recognition (author's transl)] Assal G, et al. **Rev Neurol (Paris)** 1981;137(4):255–68 (Eng. Abstr.) **(Fre)**
[The voice] Monday LA. **Union Med Can** 1982 Apr; 111(4):311–3 (Eng. Abstr.) **(Fre)**
[Electromyographic studies on determining tessitura in children] Lehmann M. **Folia Phoniatr (Basel)** 1981; 33(6):329–37 (Eng. Abstr.) **(Ger)**
[Examination of the correlation between lung function and voice quality after glottoplasty or Blom-Singer-puncture (author's transl)] Blechschmidt M, et al. **Laryngol Rhinol Otol (Stuttg)** 1982 May;61(5):263–6 (Eng. Abstr.) **(Ger)**
[A sonographic analysis of the changes in the timbre of the voice during indirect laryngoscopy (author's transl)] Leonardy B. **Laryngol Rhinol Otol (Stuttg)** 1982 Feb; 61(2):95–7 **(Ger)**
[The influence of quality and quantity on the perception of stressed vowels in German (author's transl)] Sendlmeier WF. **Phonetica** 1981;38(5–6):291–308 (Eng. Abstr.) **(Ger)**
[Functional results after primary radiation therapy of vocal cord cancer (II. report) (author's transl)] Fürst H, et al. **Radiobiol Radiother (Berl)** 1982 Mar;23(2):123–6 **(Ger)**
[Mechanical properties of the normal vocal fold in vivo (author's transl)] Uchida K. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Feb;85(2):161–74 (Eng. Abstr.) **(Jpn)**
[Use of the glottographic method in studying soundless phonation] Otriashenkov IuM, et al. **Vestn Otorinolaringol** 1982 May–Jun;(3):54–6 (Eng. Abstr.) **(Rus)**
[Development in human ontogeny of the ability to reproduce a given rhythm] Morozov VP, et al. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):193–6 (Eng. Abstr.) **(Rus)**
[The effect of the psyche and emotions on phonation] Cvejić D. **Glas Srp Akad Nauka [Med]** 1981;326(34):43–52 **(Scc)**
[Voice, word and language] Corvera-Bernardelli J. **Gac Med Mex** 1981 Aug;117(8):313–21 **(Spa)**

VOICE DISORDERS

CLASSIFICATION

Classification and approach to patients with functional voice disorders. Koufman JA, et al. **Ann Otol Rhinol Laryngol** 1982 Jul–Aug;91(4 Pt 1):372–7
Observations on central neurologic etiology for laryngeal dysfunction. Ward PH, et al. **Ann Otol Rhinol Laryngol** 1981 Sep–Oct;90(5 Pt 1):430–41
'The classification of deviant voice quality through auditory memory training'. Wynter H, et al. **Br J Disord Commun** 1981 Dec;16(3):204–10

COMPLICATIONS

Central auditory function in spastic dysphonia. Hall JW 3d. **Am J Otolaryngol** 1981 Aug;2(3):188–98
Reaction time for /s/ and /z/ in stutterers and nonstutterers: a test of discoordination hypothesis. Venkatagiri HS. **J Commun Disord** 1982 Jan;15(1):55–62

DIAGNOSIS

A case of vocal cord nodules masking essential (voice) tremor. Hartman DE, et al. **Arch Otolaryngol** 1982 Jan; 108(1):52–3
A computer program for distinctive feature analysis. Elbert M, et al. **J Commun Disord** 1981 Nov;14(6):519–23
Voice disorders in children: structure and evaluation. Bloom LA, et al. **Pediatr Clin North Am** 1981 Nov;28(4):957–63
Infant cry: a clue to diagnosis. Golub HL, et al. **Pediatrics** 1982 Feb;69(2):197–201
[Voice studies using electroglottographic individual curves. A critical evaluation] Unger E, et al. **Folia Phoniatr (Basel)** 1981;33(3):168–80 (Eng. Abstr.) **(Ger)**
[Analysis of period duration in spastic dysphonias] Wieser

M. **Folia Phoniatr (Basel)** 1981;33(5):314–24 (Eng. Abstr.) **(Ger)**

[Discrimination of pathological voice based on acoustical analysis (author's transl)] Kakita Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Oct;18(6):405–12 (Eng. Abstr.) **(Jpn)**

[Electronic laryngostroboscopic picture in certain forms of dysphonia] Rakhmilevich AG. **Vestn Otorinolaringol** 1981 Sep–Oct;(5):58–62 (Eng. Abstr.) **(Rus)**

[The problem of functional dysphonia (author's transl)] Večerina S, et al. **Lijec Vjesn** 1981;103(4–5):151–4 (Eng. Abstr.) **(Ser)**

ETIOLOGY

Velopharyngeal insufficiency in neurofibromatosis. Pollack MA, et al. **Int J Pediatr Otorhinolaryngol** 1981 Sep; 3(3):257–62

Clinical investigations of intermittent breathy dysphonia. Hartman DE, et al. **J Speech Hear Disord** 1981 Nov; 46(4):428–32

[Voice disorders] Monday LA. **Union Med Can** 1982 May; 111(5):454–6 **(Fre)**

[Speech and language disorders following adenoidectomy and tonsillectomy (author's transl)] Richstein A. **Laryngol Rhinol Otol (Stuttg)** 1981 Jul;60(7):351–4 (48 ref.) (Eng. Abstr.) **(Ger)**

[Examination of phonetic disorders caused by partial dentures] Kivovics P, et al. **Fogorv Sz** 1982 Apr; 75(4):108–12 **(Hun)**

[Emergency treatment of hemorrhagic monocorditis] Bogdan C, et al. **Rev Chir [Otorinolaringol]** 1982 Jan–Mar; 27(1):31–4 (Eng. Abstr.) **(Rum)**

OCCURRENCE

[My experience as physician of the Lyceum opera theatre, Barcelona] Perello J. **An Otorrinolaringol Ibero Am** 1981; 8(4):309–12 **(Spa)**

PHYSIOPATHOLOGY

Auditory brainstem response abnormalities in adductor spasmodic dysphonia. Finitzo-Hieber T, et al. **Am J Otolaryngol** 1982 Jan–Feb;3(1):26–30

An objective analysis of voice disorder: part one. Berry RJ, et al. **Br J Disord Commun** 1982 Apr;17(1):67–76

An objective analysis of voice disorders: part two. Berry RJ, et al. **Br J Disord Commun** 1982 Apr;17(1):77–83

Spastic dysphonia: a case report. Wolk L. **S Afr J Commun Disord** 1980;27:3–17

[A study on the laryngeal regulation for pathological vocal folds—its fundamental studies using liver canines (author's transl)] Okamoto R. **Nippon Jibiinkoka Gakkai Kaiho** 1982 Feb;85(2):132–44 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Professional singers: the science and art of clinical care. Sataloff RT. **Am J Otolaryngol** 1981 Aug;2(3):251–66

PSYCHOLOGY

Mutational falsetto. Kaplan SL. **J Am Acad Child Psychiatry** 1982 Jan;21(1):82–5

[Role of the psychogenic factor in phoniatrics] Charkhalaschvili GE. **Vestn Otorinolaringol** 1982 Jan–Feb; (1):71–2 **(Rus)**

[The effect of the psyche and emotions on phonation] Cvejić D. **Glas Srp Akad Nauka [Med]** 1981;326(34):43–52 **(Scc)**

[A case report of phononeurosis from the speech therapy and psychological aspects] Mikić D, et al. **Vojnosanit Pregl** 1982 May–Jun;39(3):211–3 **(Scr)**

RADIOGRAPHY

High definition radiographic analysis of voice and its disorders. Noscoe NJ. **Radiography** 1982 Jul;48(571):147–50

REHABILITATION

[Voice rehabilitation after laryngectomy] Ganzer U. **Dtsch Med Wochenschr** 1982 Jul 23;107(29–30):1123–4 **(Ger)**

[Pneumotachographic objective evaluation of treatment courses and results] Bastian HJ, et al. **Folia Phoniatr (Basel)** 1981;33(4):216–26 (Eng. Abstr.) **(Ger)**

[Electroglottographic course controls in patients with functional voice disorders] Jentzsch H, et al. **Folia Phoniatr (Basel)** 1981;33(4):234–41 (Eng. Abstr.) **(Ger)**

[Phonetic problem in the prosthetic rehabilitation of the edentulous patient] Preti G, et al. **Minerva Stomatol** 1981 Nov–Dec;30(6):561–6 **(Ita)**

SURGERY

Respiratory distress after recurrent laryngeal nerve sectioning for adductor spastic dysphonia. Salassa JR, et al. **Laryngoscope** 1982 Mar;92(3):240–5

Selective section of the recurrent laryngeal nerve for the treatment of spastic dysphonia: an experimental study and preliminary clinical report. Carpenter RJ 3d, et al. **Otolaryngol Head Neck Surg** 1981 Nov–Dec;89(6):986–91

Recurrent laryngeal nerve section in the treatment of spastic dysphonia. White JF, et al. **South Med J** 1981 Sep; 74(9):1053–5

[Treatment of dysphonia spastica by recurrent nerve resection (author's transl)] Fugain C, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(3):109–18 (Eng. Abstr.) **(Fre)**

[Laser and phonosurgery (author's transl)] Muler H, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(3):129–33 (Eng. Abstr.) **(Fre)**

THERAPY

Hysterical dysphonia: hypnotic treatment of a ten-year-old female. Giacalone AV. **Am J Clin Hypn** 1981 Apr; 23(4):289–93

Current concepts in otolaryngology: diagnosis and treatment of organic voice disorders. Vaughan CW. **N Engl J Med** 1982 Sep 30;307(14):863–6

[Dr. Eva Sedláček and Czechoslovak phoniatry] Novák A. **Cesk Otolaryngol** 1982 Apr;31(2):68–71 **(Cze)**

[60th anniversary of the founding of Czechoslovak phoniatry by Dr. Miloslav Seeman] Sedláček K. **Cesk Otolaryngol** 1982 Apr;31(2):65–8 **(Cze)**

[Gestalt and integrative therapy in the treatment of voice disorders with psychogenic aspects] Behrendt WS. **Folia Phoniatr (Basel)** 1981;33(6):358–68 (Eng. Abstr.) **(Ger)**

VOICE PROSTHESIS see **LARYNX, ARTIFICIAL**

VOICE QUALITY see under **VOICE**

VOICE TRAINING

[A modified cleft palate operation by double posterior pharyngeal flap and its effects of voice and speech training (author's transl)] Wang YX. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Jun;16(2):111–3 **(Chi)**

[Phoniatric prerequisites for rehabilitating the voice in congenital cleft palate] Krushevskaia II. **Stomatologiia (Mosk)** 1981 Nov–Dec;60(6):36–8 (Eng. Abstr.) **(Rus)**

VOLATILIZATION

Laser vaporization on intracranial tumors. Gong-bai C. **Lasers Surg Med** 1981;1(3):235–40

INSTRUMENTATION

Controlled-delivery vapor generator for animal exposures. Decker JR, et al. **Am Ind Hyg Assoc J** 1982 Jun;43(6):400–2

VOLES see **CRICETIDAE**

VOLITION

Bone marrow transplantation from unrelated volunteer donors: summary of a conference on scientific, ethical, legal, financial, and other practical issues. **Transfusion** 1982 Jan–Feb;22(1):78–81

Examining the profiles of the donor and nondonor through a multiple discriminant approach. Burnett JJ. **Transfusion** 1982 Mar–Apr;22(2):138–42

[Will and representation in rehabilitation therapy] Mercuriali A. **Acta Neurol [Quad] (Napoli)** 1981;43:97–104 **(Ita)**

VOLKMANN CONTRACTURE see **COMPARTMENT SYNDROMES**

VOLUNTARY HEALTH AGENCIES

Big sisters: an experimental evaluation. Seidl FW. **Adolescence** 1982 Spring;17(65):117–28

Tuberculosis: a portal through which to view the future. Sbarbaro JA. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):127–32

The unproven remedies committee. Lockshin MD. **Arthritis Rheum** 1981 Sep;24(9):1188–90

Organisations relevant to primary health care in two communities. Whitehouse CR. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):701–3

Time for a change of MIND [editorial] Wilkinson G. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1280

Recommendations for use of non-invasive methods to detect atherosclerotic peripheral arterial disease—in population studies. American Heart Association Council on Epidemiology. Prineas RJ, et al. **Circulation** 1982 Jun; 65(7):1561A–1566A

American Cancer Society conference on early cervical neoplasia. St. Petersburg Beach, Florida—March, 1981. **Gynecol Oncol** 1981 Oct;12(2 Pt 2):S1–349

Support groups for cancer patients in Georgia. McGee RF, et al. **J Med Assoc Ga** 1981 Aug;70(8):581–2

Adjustment to visual loss. Margo C, et al. **JAMA** 1982 Sep 10;248(10):1231–2

von Recklinghausen neurofibromatosis [letter] **N Engl J Med** 1982 May 13;306(19):1177–8

The Canadian Cancer Society professional and public education programs. Macbeth RA. **Prog Clin Biol Res** 1982; 83:123–33

ECONOMICS

Inflation outpaces gifts to top health agencies. **Hospitals** 1982 Apr 1;56(7):50, 57

Epidermolysis Bullosa Research Association [editorial] Barclay WR. **JAMA** 1981 Nov 13;246(19):2194

ORGANIZATION & ADMINISTRATION

Dimensions talks to Shirley Post [interview by Nancy Sandrin] Post S. **Dimens Health Serv** 1981 Oct;58(10):28–9

The association for the care of asthma—past, present, and future. Sly RM. **J Asthma** 1982;19(1):5–7

The skin cancer foundation: an organization in the public interest. Moulds M. **J Dermatol Surg Oncol** 1981 Oct; 7(10):831–3

The senior friendship center health service. Portner II. **J Fla Med Assoc** 1982 Apr;69(4):292–3

A volunteer support system for the chronically mentally ill. Hjorten MK. **Perspect Psychiatr Care** 1982 Jan–Mar; 20(1):17–22

VOLUNTARY STERILIZATION see **STERILIZATION, SEXUAL**

VOLUNTARY WORKERS

Relationship therapy for troubled boys: guidelines for volunteers. Schaefer C. **Adolescence** 1981 Fall; 16(63):727–41

Volunteers in general practice. It does work. Allibone A. **Br Med J [Clin Res]** 1981 Dec 12;283(6306):1581–2

A critique of volunteer-staffed suicide prevention centres. Hirsch S. **Can J Psychiatry** 1981 Oct;26(6):406–10

Impact of alternative method of teaching and continuing education on treatment of illnesses and usage of drugs by community health volunteers. Kumar V, et al. **Indian J Med Res** 1981 Aug;74:301–7

Special issue. FMA Auxiliary. **J Fla Med Assoc** 1982 Feb; 69(2):73–134

The clinical faculty in an obstetric- gynecologic residency training program. Hale RW, et al. **J Reprod Med** 1982 Apr; 27(4):196–8

VOLVULUS see **INTESTINAL OBSTRUCTION**

VOLVULUS, STOMACH see **STOMACH VOLVULUS**

VOMER see **NASAL SEPTUM**

VOMITING

CHEMICALLY INDUCED

Emesis: safe and effective [editorial] Rumack BH, et al. **Ann Emerg Med** 1981 Oct;10(10):551

Incidence of ketamine-induced emesis in cynomologus monkeys (Macaca fascicularis) used for staphylococcal enterotoxin bioassay. Adesiyun AA, et al. **Br J Exp Pathol** 1982 Jun;63(3):330–5

Vomiting induced by cyclophosphamide and phosphoramide mustard in cats. Fetting JH, et al. **Cancer Treat Rep** 1982 Aug;66(8):1625–9

Cisplatin-induced emesis in the Ferret: a new animal model. Florczyk AP, et al. **Cancer Treat Rep** 1982 Jan;66(1):187–9

Anticipatory vomiting in women receiving cyclophosphamide, methotrexate, and 5-FU (CMF) adjuvant chemotherapy for breast carcinoma. Wilcox PM, et al. **Cancer Treat Rep** 1982 Aug;66(8):1601–4

Emetic action of staphylococcal enterotoxin A on weanling pigs. Taylor SL, et al. **Infect Immun** 1982 Jun;36(3):1263–6

Hypnotic control of anticipatory emesis in patients receiving cancer chemotherapy. Redd WH, et al. **J Consult Clin Psychol** 1982 Feb;50(1):14–9

Cipropride in preventing nausea and vomiting induced by severely emetic cytostatic agents. Serrou B, et al. **J Int Med Res** 1981;9(5):390–1

Gastrointestinal tract symptoms from intravenously administered erythromycin [letter] Klika LJ, et al. **JAMA** 1982 Sep 17;248(11):1309

Prevalence and correlates of anticipatory nausea and vomiting in chemotherapy patients. Morrow GR. **JNCI** 1982 Apr;68(4):585–8

Cytotoxic-therapy-induced vomiting is mediated via enkephalin pathways. Harris AL. **Lancet** 1982 Mar 27; 1(8274):714–6

Anticipatory nausea and vomiting associated with cancer chemotherapy [letter] Weddington WW Jr, et al. **N Engl J Med** 1982 Sep 23;307(13):825–6

[Pharmacotherapy of emesis caused by cytostatic agents] Baggerman C. **Ned Tijdschr Geneeskd** 1982 May 1; 126(18):803–7 (Eng. Abstr.) **(Dut)**

[Poisoning with tartar emetic] Benedetti JL, et al. **Union Med Can** 1981 Jul;110(7):654–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Post-emetic laceration and rupture of the gastroesophageal junction. Michel L. **Acta Chir Belg** 1982 Jan–Feb; 82(1):13–24

Barogenic rupture of the esophagus (Boerhaave's syndrome): successful treatment of a late case. Phillips LG Jr, et al. **Am Surg** 1982 Aug;48(8):430–4

Mallory-Weiss syndrome: an unusual complication of ipecac-induced emesis. Tandberg D, et al. **Ann Emerg Med** 1981 Oct;10(10):521-3

Chronic vomiting and the effect on the primary dentition: report of case. Gallo LG, et al. **ASDC J Dent Child** 1981 Sep-Oct;48(5):382-4

Rupture of a normal spleen caused by vomiting following a metrizamide myelogram. Vas W, et al. **Diagn Imaging** 1981;50(6):309-12

Postemetic rupture of herniated cardia of the stomach [letter] Gallivan GJ. **JAMA** 1982 Jun 18;247(23):3186-7

Postemetic rupture of herniated cardia of the stomach. A variant of Boerhaave's syndrome. Gapp GA, et al. **JAMA** 1982 Feb 12;247(6):811

DIAGNOSIS

Ictus emeticus. Jacome DE, et al. **Neurology (NY)** 1982 Feb; 32(2):209-12

DRUG THERAPY

Influence of an antianxiety drug on hyperemesis diabeticorum. Okada S, et al. **Acta Med Okayama** 1982 Feb;36(1):81-4

Antiemetics. DiGregorio GJ, et al. **Am Fam Physician** 1982 Jul;26(1):200-2

Combination antiemetics [letter] Peroutka SJ. **Cancer Treat Rep** 1982 Jun;66(6):1449

A comparison of droperidol and metoclopramide in the treatment of nausea and vomiting during cis-platinum polichemotherapy in ovarian carcinoma. Bolis PF, et al. **Eur J Gynaec Oncol** 1981;2(2):57-9

Antiemetic effect of intramuscular levonantradol in patients receiving anticancer chemotherapy. Cronin CM, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):43S-50S

Oral levonantradol in the treatment of chemotherapy-induced emesis: preliminary observations. Diasio RB, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):81S-85S

The California program for the investigational use of THC and marihuana in heterogeneous populations experiencing nausea and vomiting from anticancer therapy. Dow GJ, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):128S-132S

Nabilone: an effective antiemetic in patients receiving cancer chemotherapy. Einhorn LH, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):64S-69S

Cannabinoids in the management of severe nausea and vomiting from cancer chemotherapy. Some additional considerations. Garb S. **J Clin Pharmacol** 1981 Aug-Sep; 21(8-9 Suppl):57S-59S

Levonantradol for chemotherapy-induced emesis: phase I-II oral administration. Laszlo J, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):51S-56S

Physiologic observations in a controlled clinical trial of the antiemetic effectiveness of 5, 10, and 15 mg of delta 9-tetrahydrocannabinol in cancer chemotherapy. Ophthalmologic implications. Levitt M, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):103S-109S

Antiemetic effect of delta 9-tetrahydrocannabinol in chemotherapy-associated nausea and emesis as compared to placebo and compazine. Orr LE, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):76S-80S

Clinical trials with antiemetic agents in cancer patients receiving chemotherapy. Penta JS, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):11S-22S

delta 9-Tetrahydrocannabinol as an antiemetic for patients receiving cancer chemotherapy. A pilot study. Sweet DL, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):70S-75S

THC: 'transitional drug' for emesis therapy? [news] Macek C. **JAMA** 1982 May 21;247(19):2648-50, 2655

Antiemetics for terminal cancer patients [letter] Hanks GW. **Lancet** 1982 Jun 19;1(8286):1410

Continuous subcutaneous analgesics and antiemetics in domiciliary terminal care [letter] Hutchinson HT, et al. **Lancet** 1981 Dec 5;2(8258):1279

Sudden death in cancer patient on high-dose domperidone [letter] Joss RA, et al. **Lancet** 1982 May 1;1(8279):1019

Antiemetics: neurotransmitter receptor binding predicts therapeutic actions. Peroutka SJ, et al. **Lancet** 1982 Mar 20;1(8273):658-9

[Study of cipropride in the treatment of digestive disorders induced by anticancer chemotherapy. Double-blind study using metoclopramide] Cristau P, et al. **Med Chir Dig** 1981; 10(4):359-64 **(Fre)**

[A study of the effectiveness of alizapride against emesis in children (author's transl)] Battistelli F, et al. **Sem Hop Paris** 1982 Feb 11;58(6):349-52 (Eng. Abstr.) **(Fre)**

[Effectiveness of alizapride against emesis in infants and children (author's transl)] Carcassonne M. **Sem Hop Paris** 1982 Feb 11;58(6):357-61 (Eng. Abstr.) **(Fre)**

[A comparative study of alizapride and metopimazine (author's transl)] Casanova P, et al. **Sem Hop Paris** 1982 Feb 11;58(6):345-8 (Eng. Abstr.) **(Fre)**

[A study of the antiemetic effect of alizapride (author's transl)] Casanova P. **Sem Hop Paris** 1982 Feb 11; 58(6):367-70 (Eng. Abstr.) **(Fre)**

[Evaluation of a new antiemetic, alizapride, in cancerology (author's transl)] Cupissol D, et al. **Sem Hop Paris** 1982 Jun 3;58(22):1370-3 (Eng. Abstr.) **(Fre)**

[A study of alizapride, a new benzamide, in nausea and emesis in internal medicine (author's transl)] Girard D, et al. **Sem Hop Paris** 1982 Feb 11;58(6):353-6 (Eng. Abstr.) **(Fre)**

[Treatment of refractory cytostatic agent-induced vomiting with the synthetic cannabinoid levonantradol] Heim ME, et al. **Onkologie** 1982 Apr;5(2):94-6 (Eng. Abstr.) **(Ger)**

[Nausea and vomiting during chemotherapy of malignant tumors] Joss R, et al. **Schweiz Med Wochenschr** 1981 Oct 24;111(43):1614-22 (52 ref.) (Eng. Abstr.) **(Ger)**

ETIOLOGY

Psychogenic vomiting: a review. Wruble LD, et al. **Am J Gastroenterol** 1982 May;77(5):318-21 (5 ref.)

Gastric and small intestinal myoelectric dysrhythmia associated with chronic intractable nausea and vomiting. You CH, et al. **Ann Intern Med** 1981 Oct;95(4):449-51

The course of nausea and vomiting after high-dose cyclophosphamide. Fetting JH, et al. **Cancer Trent Rep** 1982 Jul;66(7):1487-93

The role of prostaglandins in the excessive nausea and vomiting after intravascular cis-platinum therapy. Curry SL, et al. **Gynecol Oncol** 1981 Aug;12(1):89-91

Paroxysmal vomiting: an unusual manifestation of temporal lobe epilepsy. Shukla GD, et al. **J Assoc Physicians India** 1981 Aug;29(8):669-70

Anticipatory nausea and vomiting with chemotherapy [letter] Morrow GR, et al. **N Engl J Med** 1982 Feb 18;306(7):431-2

Factors affecting nausea and vomiting in the plastic surgery patient. Stein JM. **Plast Reconstr Surg** 1982 Oct; 70(4):505-11

Vomiting due to gastric stasis as the presenting feature in thyrotoxicosis. Parkin AJ, et al. **Postgrad Med J** 1981 Jun; 57(668):405

Gastroesophageal reflux in the severely retarded who vomit: criteria for and results of surgical intervention in twenty-two patients. Byrne WJ, et al. **Surgery** 1982 Jan; 91(1):95-8

[Vomiting of obscure origin: digitalis poisoning] Kirchmair W. **MMW** 1982 Mar 19;124(11):102 **(Ger)**

METABOLISM

[Serotonin-5-hydroxyindoleacetic acid system and estrogen excretion in emesis gravidarum] Utkin VM, et al. **Akush Ginekol (Mosk)** 1982 Mar;(3):24-6 **(Rus)**

OCCURRENCE

Binge-eating and vomiting: a survey of a college population. Halmi KA, et al. **Psychol Med** 1981 Nov;11(4):697-706

PHYSIOPATHOLOGY

Cardiac vomiting. Sleight P. **Br Heart J** 1981 Jul;46(1):5-7

Noninvasive documentation of emesis in cats. McCarthy LE, et al. **Cancer Treat Rep** 1982 Feb;66(2):363-8

Phylogenic and neurologic aspects of the vomiting process. Borison HL, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):23S-29S

Oral awareness and oral motor proficiency in retchers. Wright SM. **J Oral Rehabil** 1981 Sep;8(5):421-30

PREVENTION & CONTROL

Cimetidine and related drugs in anesthesia. Manchikanti L, et al. **Anesth Analg (Cleve)** 1982 Jul;61(7):595-608 (132 ref.)

Nabilone and cancer chemotherapy [letter] Stark P. **Ann Intern Med** 1982 Jan;96(1):122

Prevention of chemotherapy-induced nausea and vomiting in patients with cancer. Aapro MS. **Ariz Med** 1981 Nov; 38(11):843-5 (30 ref.)

High-dose dexamethasone for prevention of cis-platin-induced vomiting. Aapro MS, et al. **Cancer Chemother Pharmacol** 1981;7(1):11-4

Metoclopramide in the reduction of nausea and vomiting associated with combined chemotherapy. Cox R, et al. **Cancer Chemother Pharmacol** 1982;8(1):133-5

Prophylaxis of cyclic vomiting with propranolol. Weitz R. **Drug Intell Clin Pharm** 1982 Feb;16(2):161-2

Prophylaxis against prostaglandin-induced gastrointestinal side effects. Fahmy K. **Int J Gynaecol Obstet** 1981 Dec; 19(6):487-9

Clinical experience with levonantradol hydrochloride in the prevention of cancer chemotherapy-induced nausea and vomiting. Heim ME, et al. **J Clin Pharmacol** 1981 Aug-Sep; 21(8-9 Suppl):86S-89S

Clinical studies with a THC analog (BRL-4664) in the prevention of cisplatin-induced vomiting. Staquet M, et al. **J Clin Pharmacol** 1981 Aug-Sep;21(8-9 Suppl):60S-63S

Intravenous metoclopramide. An effective antiemetic in cancer chemotherapy. Strum SB, et al. **JAMA** 1982 May 21;247(19):2683-6

Antiemetic efficacy of high-dose metoclopramide: randomized trials with placebo and prochlorperazine in patients with chemotherapy-induced nausea and vomiting. Gralla RJ, et al. **N Engl J Med** 1981 Oct 15;305(16):905-9

Emesis as a critical problem in chemotherapy [editorial] Laszlo J, et al. **N Engl J Med** 1981 Oct 15;305(16):948-9

Nausea and vomiting after local anesthesia for cataract extraction in elderly female patients -- effect of droperidol premedication. Karhunen U, et al. **Ophthalmic Surg** 1981 Nov;12(11):810-2

[A double-blind crossover trial of alizapride versus placebo regarding effectiveness against nausea and emesis induced by cancer chemotherapeutic agents (author's transl)] Pommatau E. **Sem Hop Paris** 1982 Feb 11;58(6):363-6 (Eng. Abstr.) **(Fre)**

[A double-blind study of alizapride in nausea and emesis induced by cancer chemotherapeutic agents (author's transl)] Viala JJ, et al. **Sem Hop Paris** 1982 Feb 11; 58(6):371-4 (Eng. Abstr.) **(Fre)**

[Domperidone after ether anaesthesia. Prevention of postoperative hyperemesis (author's transl)] Alon E, et al. **Anaesthesist** 1982 Apr;31(4):185-7 (Eng. Abstr.) **(Ger)**

[Levonantradol in the treatment of nausea and vomiting caused by cytostatic drugs (author's transl) clinical studies] Higi M, et al. **Dtsch Med Wochenschr** 1982 Aug 20; 107(33):1232-4 (Eng. Abstr.) **(Ger)**

[The effect of domperidone in the prevention of nausea and vomiting during post-operative recovery period from anesthesia--a double blind study (author's transl)] Minobe T, et al. **Masui** 1981 Dec;30(12):1380-7 (Eng. Abstr.) **(Jpn)**

[Comparative study of antiemetic properties of clebopride and metoclopramide in vomiting produced by cis-platinum (author's transl)] Padrón F, et al. **Med Clin (Barc)** 1981 Sep 10;77(4):167-70 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Self-induced vomiting and bulimia nervosa: an undetected problem. Fairburn CG, et al. **Br Med J [Clin Res]** 1982 Apr 17;284(6323):1153-5

A pilot investigation of the psychologic functioning of patients with anticipatory vomiting. Altmaier EM, et al. **Cancer** 1982 Jan 1;49(1):201-4

Bulimia and vomiting syndrome. Lucas AR. **NY State J Med** 1982 Mar;82(3):398-9

Nausea and vomiting in cancer patients: an expression of psychological mechanisms? Chang JC. **Psychosomatics** 1981 Aug;22(8):707-9

Psychogenic vomiting associated with depression. Haggerty JJ Jr, et al. **Psychosomatics** 1982 Jan;23(1):91-5

SURGERY

Fundoplication and pyloroplasty--a surgical treatment for intractable 'cyclic vomiting' in familial dysautonomia. Vinograd I, et al. **J Pediatr Surg** 1982 Feb;17(1):80-1

THERAPY

Gastric stasis and vomiting: behavioral treatment. Latimer PR, et al. **Gastroenterology** 1982 Sep;83(3):684-8

Hypnosis in the treatment of dysphagia. Gurian B. **J Oral Med** 1981 Oct-Dec;36(4):99-101

VETERINARY

Vomiting and wasting disease, a coronavirus infection of pigs. Andries K, et al. **Adv Exp Med Biol** 1981;142:399-408

Vomiting in sheep. Mitchell GB, et al. **Vet Rec** 1982 May 15;110(20):474-5

VON GIERKE'S DISEASE see **GLUCOSEPHOSPHATASE DEFICIENCY**

VON WILLEBRAND FACTOR see under **BLOOD COAGULATION FACTORS**

VON WILLEBRAND'S DISEASE

[Anesthesia for a patient with von Willebrand's disease (author's transl)] Ogawa H, et al. **Masui** 1981 May; 30(5):486-92 (Eng. Abstr.) **(Jpn)**

BLOOD

Von Willebrand's disease and pregnancy. Punnonen R, et al. **Acta Obstet Gynecol Scand** 1981;60(5):507-9

Understanding von Willebrand's disease. Reeder JM. **AORN J** 1982 Jun;35(7):1310-9

Characterization and properties of cultured human von Willebrand umbilical vein endothelial cells. Booyse FM, et al. **Blood** 1981 Oct;58(4):788-96

Characterization of the defect of the factor VIII/von Willebrand factor protein in von Willebrand's disease. Gralnick HR, et al. **Blood** 1982 Mar;59(3):542-8

Platelet-type von Willebrand's disease: characterization of a new bleeding disorder. Miller JL, et al. **Blood** 1982 Sep; 60(3):790-4

Multimeric composition of factor VIII/von Willebrand factor following administration of DDAVP: implications for pathophysiology and therapy of von Willebrand's disease subtypes. Ruggeri ZM, et al. **Blood** 1982 Jun; 59(6):1272-8

Variants of von Willebrand's disease [letter] Scrobohaci ML, et al. **Lancet** 1981 Oct 10;2(8250):807-8

Pseudo-von Willebrand's disease [editorial] Hoyer LW. **N Engl J Med** 1982 Feb 11;306(6):360-2

Pseudo-von Willebrand's disease. An intrinsic platelet defect with aggregation by unmodified human factor VIII/von Willebrand factor and enhanced adsorption of its high-molecular-weight multimers. Weiss HJ, et al. **N Engl J Med** 1982 Feb 11;306(6):326-33

Studies on the pathophysiology and treatment of von Willebrand's disease. II. Gel filtration studies on plasma

factor VIII in von Willebrand's disease. Takahashi H. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):165–72

Studies on the pathophysiology and treatment of von Willebrand's disease. III. Binding of plasma factor VIII to platelets in the presence of ristocetin. Takahashi H. **Nippon Ketsueki Gakkai Zasshi** 1981 Jul;44(4):910–20

Studies of the blood plasminogen activator induced by 1-desamino-8-D-arginine vasopressin with observations in von Willebrand's disease. Holmberg L, et al. **Proc Soc Exp Biol Med** 1982 Jun;170(2):126–32

Transitoriness of the alteration of factor VIII in von Willebrand's disease [letter] Castillo R, et al. **Thromb Haemost** 1981 Dec 23;46(4):760

[The factor VIII complex: hemophilia A and von Willebrand disease (author's transl)] Tobelem G, et al. **Ann Pediatr (Paris)** 1982 Feb;29(2):95–9 (Eng. Abstr.) **(Fre)**

[Activation of antihemophilic globulin A (factor VIII). I. Activation by ampholine] Liebe S, et al. **Z Gesamte Inn Med** 1982 Feb 15;37(4):105–10 (Eng. Abstr.) **(Ger)**

[Recent findings on von Willebrand's disease] Shibata A, et al. **Nippon Rinsho** 1981;39(12):3657–65 (61 ref.) **(Jpn)**

[A case of Willebrand's disease with abnormal factor IX (author's transl)] Jyose H, et al. **Rinsho Ketsueki** 1981 Dec; 22(12):1930–7 (Eng. Abstr.) **(Jpn)**

[Application if different techniques to the diagnosis of von Willebrand's disease (author's transl)] Solana JM, et al. **Sangre (Barc)** 1981;26(6):1156–63 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

Studies on the pathophysiology and treatment of von Willebrand's disease. I. Spectrum of von Willebrand's disease in Niigata. Takahashi H. **Nippon Ketsueki Gakkai Zasshi** 1981 Feb;44(1):154–64

[Variants of the course of von Willebrand's disease] Papaian LP, et al. **Probl Gematol Pereliv Krovi** 1981 Nov; 26(11):45–8 **(Rus)**

COMPLICATIONS

Effect of carbon monoxide on atherogenesis in normal pigs and pigs with von Willebrand's disease. Sultzer DL, et al. **Atherosclerosis** 1982 Jun;43(2–3):303–9

Acute subdural haematoma associated with von Willebrand's disease: a case report. Rice ML. **Aust NZ J Surg** 1982 Feb; 52(1):86–8

Acquired von Willebrand's disease in association with Wilm's tumor: regression following treatment. Scott JP, et al. **Blood** 1981 Oct;58(4):665–9

Severe von Willebrand's disease during labor and delivery. Lipton RA, et al. **JAMA** 1982 Sep 17;248(11):1355–7

Additional factor XII (Hageman factor) deficiency in hemophilia A and in von Willebrand syndrome. Barthels M, et al. **Klin Wochenschr** 1982 Mar;60(6):303–9

'Angiodysplasia' of the tongue with acquired von Willebrand's disease. Wood GM, et al. **Postgrad Med J** 1982 Jan;58(675):37–8

Autopsy findings in an elderly man suffering from severe von Willebrand's disease. Kernoff LM, et al. **Thromb Haemost** 1981 Dec 23;46(4):714–6

[Juvenile metrorrhagia by Willebrand Jürgens syndrome (author's transl)] Fischl F, et al. **Klin Padiatr** 1981 Sep; 193(5):408–9 (Eng. Abstr.) **(Ger)**

[Rare sources of duodenal hemorrhage: von Willebrand's disease, hereditary hemorrhagic telangiectasia, brunneroma and leiomyoma (author's transl)] Giger M, et al. **Praxis** 1982 Mar 2;71(9):360–4 (Eng. Abstr.) **(Ger)**

[The management of the intracranial hemorrhage in hemophilia and the related diseases (author's transl)] Ichinose A, et al. **Rinsho Shinkeigaku** 1981 Jun;21(6):471–9 (Eng. Abstr.) **(Jpn)**

[Congenital deficiency of factor VII in combination with Willebrand's syndrome] Lychev VG, et al. **Ter Arkh** 1982; 54(1):119–21 **(Rus)**

[Iatrogenic disease in hemophilia and Von Willebrand's disease] Bello A, et al. **Bol Med Hosp Infant Mex** 1982 Jan;39(1):23–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Heterogeneity in von Willebrand's disease. Ruggeri ZM, et al. **Prog Clin Biol Res** 1981;72:139–48

Impaired fibrinolytic response to DDAVP and venous occlusion in a sub-group of patients with von Willebrand's disease. Korninger C, et al. **Thromb Res** 1981 Aug 15–Sep 1;23(4–5):365–74

[Oral surgery interventions in Willebrand-Jürgens syndrome] Wahl G, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):33–8 (Eng. Abstr.) **(Ger)**

[The diagnosis of von Willebrand's disease (author's transl)] Ficovic P, et al. **Lijec Vjesn** 1981;103(3):62–4 (Eng. Abstr.) **(Ser)**

ETIOLOGY

[Acquired von Willebrand's disease] Sørensen PJ, et al. **Ugeskr Laeger** 1981 Mar 15;143(11):684 (Eng. Abstr.) **(Dan)**

[Role of the thrombocytes in the pathogenesis of von Willebrand's disease] Novosadov VM, et al. **Sov Med** 1982; (1):39–42 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Variant von Willebrand's disease and pregnancy. Hanna W, et al. **Blood** 1981 Nov;58(5):873–9

A variant of von Willebrand's disease with abnormal expression of factor VIII procoagulant activity. Montgomery RR, et al. **Blood** 1982 Jul;60(1):201–7

Von Willebrand's disease: a clinical and molecular enigma. Twelfth Annual Paul M. Aggeler Memorial Lecture. Nachman RL. **West J Med** 1982 Apr;136(4):318–25

[Heterogeneity of von Willebrand's disease. New methods of diagnosing genetic variants of the disease (study of 34 cases)] Scrobohaci ML, et al. **Rev Med Interna [Med Interna]** 1981 Sep–Oct;33(5):375–84 (Eng. Abstr.) **(Rum)**

IMMUNOLOGY

Factor VIII/von Willebrand factor binding to von Willebrand's disease platelets. Gralnick HR, et al. **Blood** 1982 Aug;60(2):328–32

Platelet von Willebrand's antigen II: active release by aggregating agents and a marker of platelet release reaction in vivo. Scott JP, et al. **Blood** 1981 Dec;58(6):1075–80

Binding of low-molecular-weight canine factor VIII coagulant from von Willebrand plasma to canine factor VIII-related antigen. Benson RE, et al. **Br J Haematol** 1981 Dec;49(4):541–50

Abnormal antigenic reactivity of factor VIII/von Willebrand factor subunit in variants of von Willebrand's disease. Girma JP, et al. **J Lab Clin Med** 1982 Apr;99(4):481–94

Heterogeneity of molecular size of factor VIII/von Willebrand factor in von Willbrand's disease. Mikami S, et al. **Thromb Haemost** 1981 Jun 30;45(3):272–5

[Laser nephelometry of factor VIII-related antigen with observation in patients with von Willebrand'd disease and hemophilia A (author's transl)] Okuda T, et al. **Rinsho Byori** 1981 Sep;29(9):939–44 **(Jpn)**

[Ultrasonic-exposed factor VIII and von Willebrand's disease] Casillas G, et al. **Medicina (B Aires)** 1981;41 Suppl:253–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Effects of various agents on ristocetin-Willebrand factor activity in long-term cultures of von Willebrand and normal human umbilical vein endothelial cells [letter] Booyse FM, et al. **Thromb Haemost** 1981 Oct;46(3):668

OCCURRENCE

Incidence of severe von Willebrand's disease [letter] Weiss HJ, et al. **N Engl J Med** 1982 Jul 8;307(2):127

The Rokitanski-Duguid project [letter] Mannucci PM. **Thromb Haemost** 1981 Jun 30;45(3):300

[Hemophilia and related hemorrhagic diseases in Poland] Lopaciuk S, et al. **Pol Tyg Lek** 1981 Jul 6;36(27):1007–10 (Eng. Abstr.) **(Pol)**

SURGERY

Surgery on patients with hemostatic disorders. Lekas MD, et al. **Laryngoscope** 1982 Aug;92(8 Pt 1):873–7

THERAPY

Short incubation non-A, non-B hepatitis transmitted by factor VIII concentrates in patients with congenital coagulation disorders: a preliminary report of an antigen/antibody system. Bamber M, et al. **Med Lab Sci** 1981 Oct;38(4):373–8

Rationale for the treatment of von Willebrand's disease. Sultan Y. **Prog Clin Biol Res** 1981;72:149–62

VETERINARY

Von Willebrand's disease in two families of Doberman Pinschers. Johnstone IB, et al. **Can Vet J** 1981 Aug; 22(8):239–43

VOYEURISM see under **PARAPHILIAS**

VULVA

ABNORMALITIES

[Aplastic vulva and masculine urethra: masculinization effects of the urogenital sinus in genetically female cattle due to chimerism with the XXY gonosomal complement] Rieck GW, et al. **Berl Munch Tierarztl Wochenschr** 1982 May 15,95(10):181–5 (Eng. Abstr.) **(Ger)**

[Hirsuties papillaris vulvae (pseudocondylomata of the vulva)] Altmeyer P, et al. **Hautarzt** 1932 May;33(5):281–3 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[The lymphatic drainage of the vulva and radical operation for carcinoma of the vulva (author's transl)] Lu YF. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):42–4 **(Chi)**

BLOOD SUPPLY

[Electrocapacitance vulvoplethysmography (author's transl)] Figar S, et al. **Cas Lek Cesk** 1982 Jan 8;121(1):18–21 (Eng. Abstr.) **(Cze)**

CYTOLOGY

New aspects of vulvar cytology. Nauth HF, et al. **Acta Cytol (Baltimore)** 1982 Jan–Feb;26(1):1–6

Cytology of the exfoliative layer in normal and diseased vulvar skin: correlation with histology. Nauth HF, et al. **Acta Cytol (Baltimore)** 1982 May–Jun;26(3):269–83

EMBRYOLOGY

[The first appearance and development of Vater-Pacini lamellar corpuscles in the labia major and mons pubis pudendi and their significance in the determination of the age of the human fetus] Djordjević-Camba V. **Srp Arh Celok Lek** 1982 Nov;109(11):1475–84 (Eng. Abstr.) **(Scc)**

ENZYMOLOGY

Isolation and partial characterization of an elastase-type protease in human vulva fibroblasts: its possible involvement in vulvar elastic tissue destruction of patients with lichen sclerosus et atrophicus. Godeau G, et al. **J Invest Dermatol** 1982 Apr;78(4):270–5

INJURIES

Unusual etiology of vulvar hematomas. Naumann RO, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):357–8

PATHOLOGY

[Atrophic and degenerative changes in external female genitalia] Horácek J. **Cesk Gynekol** 1980 Nov;45(9):672–9 **(Cze)**

[Hypertrophy of the labia minora. Report of a case] Bernal Bastidas S. **Ginecol Obstet Mex** 1981 Jan;48(291):55–8 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Labial and vaginal blood volume responses to visual and tactile stimuli. Henson DE, et al. **Arch Sex Behav** 1982 Feb;11(1):23–31

SURGERY

[Analysis of 79 cases of the radical vulvectomy for primary malignant tumors of vulva (author's transl)] Zhang ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):175–7 **(Chi)**

[Reconstruction of the vulva after traumatic and iatrogenic malformations] Geiger W. **Gynakol Rundsch** 1981;21 Suppl 2:58–64 **(Ger)**

[Comparative evaluation of wound healing after vulvectomy by laser coagulation and electrocoagulation] Goworek A, et al. **Ginekol Pol** 1981 Sep;52(9):763–8 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

3-D microanatomy of human reproductive organs. Hafez ES. **Prog Clin Biol Res** 1981;59B:331–6

VULVAR DISEASES

[Vulvitis and vulvar eczema from the dermatologic viewpoint] Braun-Falco O. **Fortschr Med** 1982 Jun 3; 100(21):975–80 **(Ger)**

[Chronic dystrophies of the vulva] Briones H. **Rev Chil Obstet Ginecol** 1980;45(1):33–8 **(Spa)**

CLASSIFICATION

Reactive and neoplastic epithelial alterations of the vulva. A classification of the vulvar dystrophies from the dermatopathologist's viewpoint. Sanchez NP, et al. **J Am Acad Dermatol** 1982 Mar;6(3):378–88

DIAGNOSIS

[Diagnosis of vulvar diseases] Nauth HF. **Fortschr Med** 1982 Mar 11;100(10):396–400 **(Ger)**

[Diagnosis of vulvar diseases. 2. Discussion and conclusions for practice] Nauth HF. **Fortschr Med** 1982 Mar 18; 100(11):478–81 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Isolation and partial characterization of an elastase-type protease in human vulva fibroblasts: its possible involvement in vulvar elastic tissue destruction of patients with lichen sclerosus et atrophicus. Godeau G, et al. **J Invest Dermatol** 1982 Apr;78(4):270–5

ETIOLOGY

Unusual etiology of vulvar hematomas. Naumann RO, et al. **Am J Obstet Gynecol** 1982 Feb 1;142(3):357–8

[A case of Behçet's disease with predominantly genital localization] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1981 Jul–Aug; 102(4):248–51 **(Ita)**

MICROBIOLOGY

Expression of herpes simplex virus type 2 antigens in premalignant and malignant human vulvar cells. Cabral GA, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):611–9

PATHOLOGY

Cytology of the exfoliative layer in normal and diseased vulvar skin: correlation with histology. Nauth HF, et al. **Acta Cytol (Baltimore)** 1982 May-Jun;26(3):269-83

Mucous cysts of the vulvar vestibule. Oi RH, et al. **Hum Pathol** 1982 Jun;13(6):584-6

Cysts of the vulva and vagina: a comparative study. Junaid TA, et al. **Int J Gynaecol Obstet** 1981 Jun;19(3):239-43

[Atrophic and degenerative changes in external female genitalia] Horácek J. **Cesk Gynekol** 1980 Nov;45(9):672-9 **(Cze)**

[Anovulvar tuberculosis (clinical case)] Vantman A, et al. **Rev Chil Obstet Ginecol** 1979;44(4):186-9 (Eng. Abstr.) **(Spa)**

SURGERY

Chronic vulvar dystrophies. Surgical therapy. Cappelietto T, et al. **Clin Exp Obstet Gynecol** 1981;8(4):182-6

VULVAR NEOPLASMS

[Granular cell myoblastoma of the vulva (case report)] Zanetta G, et al. **Chir Ital** 1981 Apr;33(2):616-9 **(Ita)**

COMPLICATIONS

Multiple squamous-cell carcinomas in Fanconi's anemia. Kennedy AW, et al. **Cancer** 1982 Aug 15;50(4):811-4

Paget's disease of the vulva with underlying apocrine adenocarcinoma and local lymph node invasion. Dietel M, et al. **Pathol Res Pract** 1981 May;171(3-4):353-61

[Thrombophilic factors in the treatment of vulvar cancer (author's transl)] Siekmann U, et al. **Geburtshilfe Fraunheilkd** 1982 Feb;42(2):130-6 (Eng. Abstr.) **(Ger)**

[Endometriosis in an episiotomy scar] Lekin M, et al. **Med Pregl** 1981;34(3-4):171-2 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Intraepithelial squamous lesions of the vulva: biologic and histologic criteria for the distinction of condylomas from vulvar intraepithelial neoplasia. Crum CP, et al. **Am J Obstet Gynecol** 1982 Sep 1;144(1):77-83

Hemangiopericytoma of the vulva: a study of two cases. Ambrosini A, et al. **Eur J Gynaec Oncol** 1980 Dec; 1(3):198-200

Basal-cell carcinoma of the vulva. Collins PS, et al. **J Dermatol Surg Oncol** 1981 Sep;7(9):711-4

Malignant melanoma: case reports of vulvar involvement. Capen CV, et al. **J Kans Med Soc** 1981 Mar;82(3):111-2, 121

Pseudo-masculinization of the phallus. Greer DM Jr, et al. **Plast Reconstr Surg** 1981 Nov;68(5):787-8

[Angiokeratoma vulvae (author's transl)] Stork J. **Cesk Dermatol** 1981 Oct;56(5):318-21 (Eng. Abstr.) **(Cze)**

[Pseudocondylomata of the vulva (author's transl)] Altmeyer P, et al. **Geburtshilfe Fraunheilkd** 1981 Nov;41(11):783-6 (Eng. Abstr.) **(Ger)**

[Concerning the problem of preventive oncological examinations in women of higher age groups (author's transl)] Mańka I, et al. **Bratisl Lek Listy** 1982 Jan;77(1):81-4 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Adriamycin in management of malignant hemangiopericytoma. Morris DM, et al. **Am Surg** 1981 Oct; 47(10):441-6

Vulvar carcinoma. A case of DDP-induced neurotoxicity in chemotherapy. Hurley M, et al. **J Kans Med Soc** 1982 May;83(5):239-40

[Local testosterone treatment of lichen sclerosus of the vulva (author's transl)] Nauth HF. **Geburtshilfe Fraunheilkd** 1982 Jun;42(6):476-81 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Vulvar intraepithelial neoplasia: correlation of nuclear DNA content and the presence of a human papilloma virus (HPV) structural antigen. Crum CP, et al. **Cancer** 1982 Feb 1; 49(3):468-71

METABOLISM

Histochemical and cytochemical studies of metastasizing carcinoma of Bartholin's gland. Elias EA, et al. **Acta Histochem (Jena)** 1981;69(1):31-9

MICROBIOLOGY

Expression of herpes simplex virus type 2 antigens in premalignant and malignant human vulvar cells. Cabral GA, et al. **Am J Obstet Gynecol** 1982 Jul 15;143(6):611-9

Vulvar intraepithelial neoplasia: the concept and its application. Crum CP. **Hum Pathol** 1982 Mar;13(3):187-9

MORTALITY

Carcinoma of the vulva: analysis of treatment failures. Podratz KC, et al. **Am J Obstet Gynecol** 1982 Jun 1; 143(3):340-51

OCCURRENCE

Invasive cancer in the vulvar region. Andreasson B, et al. **Acta Obstet Gynecol Scand** 1982;61(2):113-9

Carcinoma of the vulva in Jamaican women. Sengupta BS. **Acta Obstet Gynecol Scand** 1981;60(6):537-44

Some epidemiologic aspects of carcinoma of the vulva in Israel. Menczer J, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):893-6

PATHOLOGY

New aspects of vulvar cytology. Nauth HF, et al. **Acta Cytol (Baltimore)** 1982 Jan-Feb;26(1):1-6

Cytology of the exfoliative layer in normal and diseased vulvar skin: correlation with histology. Nauth HF, et al. **Acta Cytol (Baltimore)** 1982 May-Jun;26(3):269-83

Giant condyloma acuminatum with focal malignant degeneration. Tropé C, et al. **Acta Obstet Gynecol Scand** 1982;61(1):93-5

Early invasive and in situ warty carcinoma of the vulva: clinical, histologic, and electron microscopic study with particular reference to viral association. Rastkar G, et al. **Am J Obstet Gynecol** 1982 Aug 1;143(7):814-20

Neurotropic melanoma of the vulva. Warner TF, et al. **Cancer** 1982 Mar 1;49(5):999-1004

Basal cell carcinoma of the vulva. Ambrosini A, et al. **Eur J Gynaec Oncol** 1980 May;1(2):126-8

Invasive squamous carcinoma of the vulva in young patients. Choo YC. **Gynecol Oncol** 1982 Apr;13(2):158-64

The value of groin palpation in epidermoid carcinoma of the vulva. Iversen T. **Gynecol Oncol** 1981 Dec;12(3):291-5

Vulvar melanoma: a microstaging study. Phillips GL, et al. **Gynecol Oncol** 1982 Aug;14(1):80-8

Alveolar soft part sarcoma of the vulva: report of first case and review of literature. Shen JT, et al. **Gynecol Oncol** 1982 Feb;13(1):120-8

Verrucous squamous cell carcinoma of the female genital tract. Report of three cases and survey of the literature. Väyrynen M, et al. **Int J Gynaecol Obstet** 1981 Oct; 19(5):351-6

Herpesvirus-induced antigens in squamous cell carcinoma in situ of the vulva [letter] Stern JH. **N Engl J Med** 1981 Dec 24;305(26):1586

Stage I vulvar cancer: criteria for microinvasion. Chu J, et al. **Obstet Gynecol** 1982 Jun;59(6):716-9

[Associated Paget's disease of the vulva and of the nipple in the same patient: pathology with ultrastructural study (author's transl)] Fetissoff F, et al. **Ann Dermatol Venereol** 1982;109(1):43-50 (Eng. Abstr.) **(Fre)**

[Basalcellepithelioma of the vulva (author's transl)] Reiss CJ, et al. **Dermatol Monatsschr** 1982 May;168(5):326-9 **(Ger)**

[Condylomatous changes in the cervix, vagina and vulva] Meisels A, et al. **Gynakologe** 1981 Dec;14(4):254-63 **(Ger)**

[Definition of the terms 'parakeratosis' and 'dyskeratosis' from gynecocytological point of view (author's transl)] Nauth HF. **Z Hautkr** 1981 Dec 15;56(24):1552-63 (Eng. Abstr.) **(Ger)**

[Angiokeratoma vulvae (author's transl)] Karageosov I, et al. **Zentralbl Gynakol** 1982;104(3):189-91 (Eng. Abstr.) **(Ger)**

[Histiocytoid hemangioma. Report of 2 cases in rare sites] Tison V, et al. **Pathologica** 1981 Sep-Oct;73(1027):753-62 **(Ita)**

[Malignant histiocytic fibroma of the vulva] Doliński T, et al. **Ginekol Pol** 1981 May;52(5):461-4 (Eng. Abstr.) **(Pol)**

RADIOTHERAPY

Results of radiation therapy for vulvar carcinoma. Pirtoli L, et al. **Acta Radiol [Oncol]** 1982;21(1):45-8

Combined therapy as an alternative to exenteration for locally advanced vulvo-vaginal cancer: rationale and results. Boronow RC. **Cancer** 1982 Mar 15;49(6):1085-91

[Successful non-typical radiotherapy of a recurred and metastasizing malignant melanoma of the vulva (author's transl)] Dietz W, et al. **Strahlentherapie** 1982 Feb; 158(2):82-3 (Eng. Abstr.) **(Ger)**

SECONDARY

Vulvar metastasis of breast carcinoma. A case report. Mader MH, et al. **J Reprod Med** 1982 Mar;27(3):169-71

Metastatic melanoma of the vulva. Radman HM. **Md State Med J** 1981 Oct;30(10):60-1

SURGERY

Pelvic exenteration for vulvovaginal carcinoma. Phillips B, et al. **Am J Obstet Gynecol** 1981 Dec 15;141(8):1038-44

Radical surgery in the treatment of vulvar squamous cell carcinoma. Kauppila O, et al. **Ann Chir Gynaecol** 1981; 70(4):202-6

Bilateral superomedial thigh flaps for primary reconstruction of scrotum and vulva. Hirshowitz B, et al. **Ann Plast Surg** 1982 May;8(5):390-6

Carcinoma of the vulva in pregnancy. Case report. Rahman MS, et al. **Br J Obstet Gynaecol** 1982 Mar;89(3):244-6

Cancer of the vulva: a review. Morley GW. **Cancer** 1981 Jul 15;48(2 Suppl):597-601

Carcinoma of the vulva. Non-mutilant surgical therapy, a clinical case. Marchetti M. **Clin Exp Obstet Gynecol** 1981; 8(3):138-40

Current surgical therapy in vulvar carcinoma and surgical techniques. Ambrosini A, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):188-93

Enlarged vulvo-colpectomy in gynaecological oncology. Brigato G, et al. **Eur J Gynaec Oncol** 1980 Dec;1(3):194-7

The place of pelvic exenteration in the primary management of advanced carcinoma of the vulva. Cavanagh D, et al. **Gynecol Oncol** 1982 Jun;13(3):318-22

The tensor fascia lata myocutaneous flap in gynecologic oncology. Goldberg MI, et al. **Gynecol Oncol** 1981 Aug; 12(1):41-50

Fibrosarcoma of the vulva: case reports and discussion. Hall JS, et al. **Int Surg** 1981 Apr-Jun;66(2):185-7

Invasive carcinoma of the vulva: some changing trends in surgical management. Cavanagh D, et al. **J Fla Med Assoc** 1982 Jun;69(6):447-52

Continuous wave carbon dioxide laser treatment of giant condylomata acuminata of the distal urethra and perineum: technique. Rosemberg SK, et al. **J Urol** 1981 Dec; 126(6):827-9

Radical vulvectomy and bilateral inguinal lymphadenectomy through separate groin incisions. Hacker NF, et al. **Obstet Gynecol** 1981 Nov;58(5):574-9

Management of vulvar intraepithelial neoplasia by carbon dioxide laser. Townsend DE, et al. **Obstet Gynecol** 1982 Jul;60(1):49-52

Vulvar lymphatic malformation. Bunkis J, et al. **Plast Reconstr Surg** 1981 Nov;68(5):784-6

Primary epidermoid carcinoma of the vulva. Lifshitz S, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):59-61

[The lymphatic drainage of the vulva and radical operation for carcinoma of the vulva (author's transl)] Lu YF. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jan;16(1):42-4 **(Chi)**

[Analysis of 79 cases of the radical vulvectomy for primary malignant tumors of vulva (author's transl)] Zhang ZY. **Chung Hua Fu Chan Ko Tsa Chih** 1981 Jul;16(3):175-7 **(Chi)**

[Treatment of vulvar cancer based on stage] Bender HG. **Gynakologe** 1981 Sep;14(3):159-63 **(Ger)**

[Treatment of vulvar cancer based on stage] Lucas WE. **Gynakologe** 1981 Sep;14(3):150-8 **(Ger)**

[Condylomata acuminata gigantea in pregnancy--treatment of a clinical case] Jeske D. **Z Arztl Fortbild (Jena)** 1982 Mar 15;76(6):249-50 **(Ger)**

THERAPY

Epidural for both anesthesia and analgesia in an oncology patient. Galakatos AE, et al. **Gynecol Oncol** 1982 Apr; 13(2):258-61

Preoperative chemoradiotherapy for carcinoma of the vulva. Kalra JK, et al. **Gynecol Oncol** 1981 Oct;12(2 Pt 1):256-60

Cancer of the vulva. Cavanagh D, et al. **Obstet Gynecol Annu** 1982;11:303-39 (75 ref.)

[Carcinoma of the vulva] Villani C, et al. **Minerva Ginecol** 1981 Dec;33(12):1113-24 (38 ref.) (Eng. Abstr.) **(Ita)**

[Vulvar Paget's disease and assay of topical immunotherapy] Guerrero B, et al. **Rev Chil Obstet Ginecol** 1979;44(5):214-9 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Ultrastructure of adenocarcinoma of Bartholin's gland. Kuzuya K, et al. **Cancer** 1981 Sep 15;48(6):1392-8

VETERINARY

The epidemiology of squamous cell carcinoma of the perineal region of sheep. Hawkins CD, et al. **Aust Vet J** 1981 Oct; 57(10):455-7

Morphology of neoplastic lesions in the clitoral and prepucial gland of the F334 rat. Reznik G, et al. **J Cancer Res Clin Oncol** 1981;101(3):249-63

[Enzootic vulvar cancer in sheep] Lagadic M, et al. **Zentralbl Veterinarmed [A]** 1982 Mar;29(2):123-35 **(Fre)**

VULVITIS

[Vulvitis and vulvar eczema from the dermatologic viewpoint] Braun-Falco O. **Fortschr Med** 1982 Jun 3; 100(21):975-80 **(Ger)**

DRUG THERAPY

[Local testosterone treatment of lichen sclerosus of the vulva (author's transl)] Nauth HF. **Geburtshilfe Fraunheilkd** 1982 Jun;42(6):476-81 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Vulvovaginitis in prepubertal girls: the importance of group A Streptococcus. Schwartz RH, et al. **South Med J** 1982 Apr;75(4):446-7

PATHOLOGY

[Chronic granulomatous vulvitis (Melkersson-Rosenthal vulvitis)] Hoede N, et al. **Hautarzt** 1982 Apr;33(4):218-20 **(Ger)**

VETERINARY

Experimental production of vulvitis in ewes with a

ureaplasma isolate. Ball HJ, et al. **Vet Rec** 1982 Jun 19; 110(25):581

VULVOVAGINITIS

DIAGNOSIS

Vulvovaginitis in premenarcheal girls: clinical features and diagnostic evaluation. Paradise JE, et al. **Pediatrics** 1982 Aug;70(2):193–8

DRUG THERAPY

The boric acid powder treatment of vulvovaginal candidiasis. Van Slyke KK, et al. **J Am Coll Health Assoc** 1981 Dec; 30(3):107–9

Current therapy of vulvovaginitis. Rein MF. **Sex Transm Dis** 1981 Oct–Dec;8(4 suppl):316–20

The indication field and therapeutic use of Canesten in paediatric gynaecology. Orley J. **Ther Hung** 1980; 28(1):32–5

[Modern considerations on the treatment of vulvovaginitis] Bombelli FM, et al. **Minerva Ginecol** 1982 Jan–Feb; 34(1–2):91–7 **(Ita)**

MICROBIOLOGY

[Comparative study of the flora of the vagina and oropharynx in vulvovaginitis in children] Balbi C, et al. **Arch Ostet Ginecol** 1980 May–Jun;85(3):191–4 **(Ita)**

[Vaginal microbial flora in pregnancy] Fraizzoli G, et al. **Minerva Ginecol** 1981 Nov;33(11):1021–4 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

The diagnosis and treatment of psychosomatic vulvovaginitis. Woodward J. **Practitioner** 1981 Nov;225(1361):1673–7

THERAPY

[The role of hydro–thermal treatments in chronic vulvovaginitis] Federici PC. **Minerva Ginecol** 1979 Nov; 31(11):847–54 (Eng. Abstr.) **(Ita)**

VZ VIRUS see **VARICELLA–ZOSTER VIRUS**

WAARDENBURG'S SYNDROME see under **ABNORMALITIES, MULTIPLE**

WAGES see **SALARIES AND FRINGE BENEFITS**

WAITING LISTS see under **APPOINTMENTS AND SCHEDULES**

WAKEFULNESS

Circadian timing of sleepiness in man and woman. Winfree AT. **Am J Physiol** 1982 Sep;243(3):R193–204 (127 ref.)

Detection of wakefulness during general anaesthesia [letter] Wilson ME. **Br J Anaesth** 1981 Nov;53(11):1234

Control of sleep–wake states in the infant rat by features of the mother–infant relationship. Hofer MA, et al. **Dev Psychobiol** 1982 May;15(3):229–43

Pattern of thyrotropin and thyroxine plasma concentrations during the 24–hour sleep–wake cycle in the male rhesus monkey. Giannella–Neto D, et al. **Endocrinology** 1981 Dec; 109(6):2144–51

24–Hour pattern of plasma prolactin in the male rhesus monkey and its relation to the sleep/wake cycle. Quabbre HJ, et al. **Endocrinology** 1982 Mar;110(3):969–75

Analysis of the dream contents in Japanese college students by REMP–awakening technique. Yamanaka T, et al. **Folia Psychiatr Neurol Jpn** 1982;36(1):33–52

Phenomenology of sleep among insomniacs and good sleepers: wakefulness experience when cortically asleep. Borkovec TD, et al. **J Abnorm Psychol** 1981 Dec; 90(6):607–9

Shift in cognitive asymmetries between wakings from REM and NREM sleep. Gordon HW, et al. **Neuropsychologia** 1982;20(1):99–103

Activity of substantia nigra units across the sleep–waking cycle in freely moving cats. Trulson ME, et al. **Neurosci Lett** 1981 Oct 23;26(2):187–8

Neurological, psychological and polygraphic findings in sleep drunkenness. Roth B, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):209–22

Developmental patterns of heart rate and heart rate variability during sleep and waking in normal infants and infants at risk for the sudden infant death syndrome. Harper RM, et al. **Sleep** 1982;5(1):28–38

Nystagmus and REM–density during sleep in patients with various brain lesions. Kawahara R, et al. **Waking Sleeping** 1980 Jul–Sep;4(3):205–10

[Disorders of the circadian sleep–wake cycle] Aström C. **Ugeskr Laeger** 1982 Feb 1;144(5):302–4 (Eng. Abstr.) **(Dan)**

[Intra–sleep awakenings in poor sleepers, 20 to 30 years of age. Correlation with anxiety level and personality (author's transl)] Goldenberg F, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):102–9 (Eng. Abstr.) **(Fre)**

[Polygraphic study of nocturnal waking in patients with traumatic brain stem injuries (author's transl)] Landau–Ferey J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):116–22 (Eng. Abstr.) **(Fre)**

[Nocturnal awakenings as a function of age in insomniacs (author's transl)] Garma L, et al. **Rev Neurol (Paris)** 1981; 137(11):677–92 (Eng. Abstr.) **(Fre)**

[Psychopathology of diurnal and sleep epilepsies (author's transl)] Hebenstreit G. **Nervenarzt** 1982 May;53(5):287–90 **(Ger)**

DRUG EFFECTS

Recovery from day–case anaesthesia: comparison of a further four techniques including use of the new induction agent diprivan. Jones DF. **Br J Anaesth** 1982 Jun;54(6):629–33

Dose–related effects of phenobarbitone on human sleep–waking patterns. Karacan I, et al. **Br J Clin Pharmacol** 1981 Sep;12(3):303–13

Effects of oxolinic acid on the sleep–wakefulness cycle of the rat. D'Angelo L, et al. **Br J Pharmacol** 1981 Oct; 74(2):399–404

(+)–6–fluorotryptophan, an inhibitor of tryptophan hydroxylase: sleep and wakefulness in the rat. Nicholson AN, et al. **Neuropharmacology** 1981 Apr;20(4):335–9

A comparison between astemizole and other antihistamines on sleep–wakefulness cycles in dogs. Wauquier A, et al. **Neuropharmacology** 1981 Sep;20(9):853–9

Changes in the rat sleep–wake cycle produced by DL–6–fluorotryptophan, a competitive inhibitor of tryptophan hydroxylase. Sugden D, et al. **Psychopharmacology (Berlin)** 1981;74(4):369–73

Effects of beta–endorphin and morphine on the sleep–wakefulness behavior of cats. King C, et al. **Sleep** 1981 Sep;4(3):259–62

Does para–chlorophenylalanine produce disturbed waking, disturbed sleep or activation by ponto–geniculo–occipital waves in cats? Ursin R. **Waking Sleeping** 1980 Jul–Sep; 4(3):211–21

PHYSIOLOGY

Cross–species invariance in state–related motility patterns. Thoman EB, et al. **Am J Physiol** 1981 Nov;241(5):R312–5

Ventilatory and arousal responses to hypoxemia in sleep [editorial] Anthonisen NR, et al. **Am Rev Respir Dis** 1982 Jul;126(1):1–2

Effect of progressive hypoxia on breathing during sleep. Gothe B, et al. **Am Rev Respir Dis** 1982 Jul;126(1):97–102

48–hour sleep–wake cycles in manic–depressive illness: naturalistic observations and sleep deprivation experiments. Wehr TA, et al. **Arch Gen Psychiatry** 1982 May; 39(5):559–65

Wakefulness and general anesthesia [letter] Russell IF. **Br J Anaesth** 1982 May;54(5):573

Effects of locus coeruleus lesions upon sleeping and waking in the rabbit. Braun CM, et al. **Brain Res** 1981 Dec 28; 230(1–2):133–51

Activity of nucleus raphe pallidus neurons across the sleep–waking cycle in freely moving cats. Trulson ME, et al. **Brain Res** 1982 Apr 8;237(1):232–7

Acute heroin abstinence in man. III. Effect upon waking and slow wave sleep. Howe RC, et al. **Drug Alcohol Depend** 1980 Oct;6(4):247–62

Participation of the cerebellum in the regulation of the sleep–wakefulness cycle. Results in cerebellectomized cats. Cunchillos JD, et al. **Electroencephalogr Clin Neurophysiol** 1982 May; 53(5):549–58

Pattern of plasma cortisol during the 24–hour sleep/wake cycle in the rhesus monkey. Quabbe HJ, et al. **Endocrinology** 1982 May;110(5):1641–6

Discharge pattern of reticular formation unit pairs in waking and REM sleep. Siegel JM, et al. **Exp Neurol** 1981 Dec; 74(3):875–91

Biogenic amine changes in human ventricular cerebrospinal fluid during sleep and wakeful states. Udayakumar MA, et al. **Indian J Med Res** 1982 Mar;75:428–34

Endogenous and exogenous components of circadian rhythms when living on a 21–hour day. Minors DS, et al. **Int J Chronobiol** 1981;8(1):31–48

Changes in the sleep and waking EEGs of nondemented and demented elderly subjects. Prinz PN, et al. **J Am Geriatr Soc** 1982 Feb;30(2):86–93

Ventilatory adaptations to resistive loading during wakefulness and non–REM sleep. Iber C, et al. **J Appl Physiol** 1982 Mar;52(3):607–14

Membrane potential, synaptic activity, and excitability of hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Oct;46(4):839–54

Membrane resistance and rheobase of hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Nov;46(5):1076–88

Group I excitatory and inhibitory potentials in hindlimb motoneurons during wakefulness and sleep. Glenn LL, et al. **J Neurophysiol** 1981 Nov;46(5):1089–101

Catecholamines and the sleep–wake cycle. I. EEG and behavioral arousal. Monti JM. **Life Sci** 1982 Apr 5; 30(14):1145–57 (134 ref.)

Plasma melatonin levels and nocturnal transitions between sleep and wakefulness. Birkeland AJ. **Neuroendocrinology** 1982 Feb;34(2):126–31

Serum hormone levels during sleep and wakefulness in the immature female rat. Kimura F, et al. **Neuroendocrinology** 1981 Nov;33(5):276–83

Development of sleep–wake patterns and non–rapid eye movement sleep stages during the first six months of life in normal infants. Coons S, et al. **Pediatrics** 1982 Jun; 69(6):793–8

Subcortical waking and sleep during lateral hypothalamic 'somnolence' in rats. Shoham S, et al. **Physiol Behav** 1982 Feb;28(2):323–33

Apneusis and apnea after parabrachial or Kölliker–Fuse N. lesion; influence of wakefulness. Caille D, et al. **Respir Physiol** 1981 Jul;45(1):79–95

Daytime performance deficits and physiological vigilance in untreated patients with narcolepsy–cataplexy compared to controls. Valley V, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):133–9

The relationship of excessive exploratory behavior in wakefulness to paradoxical sleep without atonia. Morrison AR, et al. **Sleep** 1981 Sep;4(3):247–57

Sleep–wake patterns of intact and carotid sinus nerve sectioned rats during hypoxia. Ryan AT, et al. **Sleep** 1982; 5(1):1–10

[Adaptability of equilibrium mechanisms as a function of the level of wakefulness: displacement of the center of gravity of the body according to the stages of sleep] Sugawara M, et al. **Agressologie** 1980;21(D):83–8 (Eng. Abstr.) **(Fre)**

[24 hour polygraphic study of the waking–up and falling asleep periods in patients with hepatic encephalopathy (author's transl)] Baldy–Moulinier M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):123–32 (Eng. Abstr.) **(Fre)**

[Spatio–temporal organisation of EEG during sleep induction and awakening (author's transl)] Banquet JP. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):68–74 (Eng. Abstr.) **(Fre)**

[Experimental hepatic encephalopathy. Study of nycthemeral organization of waking–sleep cycle in the rat with portacaval shunt (author's transl)] Beaubernard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):155–65 (Eng. Abstr.) **(Fre)**

[Intra–sleep awakenings in relation to habitual sleep length and modifications of the sleep–wake rhythms (author's transl)] Benoit O, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):89–95 (Eng. Abstr.) **(Fre)**

[12–hour pattern of the waking state in the normal infant and in the infant who has survived the 'syndrome of sudden infant death' (author's transl)] Challamel MJ, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):28–36 (Eng. Abstr.) **(Fre)**

[Waking–sleeping transition in the newborn baby and in infants before the age of 3 months (author's transl)] Curzi–Dascalova L, et al. **Rev Electroencepbalogr Neurophysiol Clin** 1981 Sep; 11(1):1–10 (Eng. Abstr.) **(Fre)**

[Age and insomnia: the number and length of waking periods (author's transl)] Garma L, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):96–101 (Eng. Abstr.) **(Fre)**

[Comparison of the waking EEG with the subjective impressions of the waking individual (author's trans)] Hedouin M, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):110–5 (Eng. Abstr.) **(Fre)**

[A study of spontaneous arousal in the newborn (author's transl)] Isch–Treussard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):11–6 (Eng. Abstr.) **(Fre)**

[EEG appearance during waking and falling asleep in children aged 1–4 years (without serious pathology)(author's transl)] Plouin P, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):45–50 (Eng. Abstr.) **(Fre)**

[EEG recording during drowsiness in normal babies aged 2 to 12 months (author's transl)] Samson–Dollfus D, et al. **Rev Electroencephalogr Neurophysiol Clin** 1981 Sep; 11(1):23–7 (Eng. Abstr.) **(Fre)**

[The control mechanism of sleep–wakefulness rhythms (author's transl)] Ibuka N. **Tanpakushitsu Kakusan Koso** 1982 Jan 5;27(2):246–58 (19 ref.) **(Jpn)**

[Characteristics of human sleep, diurnal periodicity of physiological functions and work capacity indices on the 1st day after a changeover from the usual to split alternation of sleep and wakefulness] Litsov AN. **Kosm Biol Aviakosm Med** 1981;15(3):22–5 (Eng. Abstr.) **(Rus)**

[Characteristics of human sleep, circadian periodicity of physiological functions and of work capacity indices in the 1st 24 hours after the transition from an altered to a usual sleep and wakefulness cycle] Litsov AN. **Kosm Biol Aviakosm Med** 1982 May–Jun;16(3):8–13 (Eng. Abstr.) **(Rus)**

WALDENSTROM'S HYPERGLOBULINEMIC PURPURA see **PURPURA, HYPERGLOBULINEMIC**

WALDENSTROM'S MACROGLOBULINEMIA see **MACROGLOBULINEMIA**

WALKERS see under **ORTHOPEDIC EQUIPMENT**

WALLENBERG'S SYNDROME see under **CEREBRAL EMBOLISM AND THROMBOSIS**

WALLERIAN DEGENERATION see under **NERVE DEGENERATION**

WALRUS see under **PINNIPEDIA**

WAR

An analysis of fatal and non-fatal head wounds incurred during combat in Vietnam by U.S. forces. Carey ME, et al. **Acta Chir Scand [Suppl]** 1982;508:351-6

Discriminant analysis of posttraumatic stress disorder among a group of Viet Nam veterans. Frye JS, et al. **Am J Psychiatry** 1982 Jan;139(1):52-6

Anaesthesia under civil war conditions. An account of missions with British Red Cross surgical teams in Cambodia and Angola. Carmichael GL. **Anaesthesia** 1981 Dec; 36(12):1077-88

Post-traumatic cerebral atrophy. A study on brain-injured veterans on the Finnish wars of 1939-40 and 1941-45. Mäntylä M. **Ann Clin Res** 1981;13(32):1-47

International protection of refugees in armed conflicts. Patrnogic J. **Ann Droit Int Med** 1980-81;(29):95-105

The arms race and health care. Holdstock DJ. **Br Med J [Clin Res]** 1982 Aug 7;285(6339):421-2

Eye injuries in the military. Hornblass A. **Int Ophthalmol Clin** 1981 Winter;21(4):121-38

Infant mortality, economics, and arms [editorial] **Lancet** 1982 Jul 24;2(8291):193-4

Prisoners of war [letter] Graham DL. **Med J Aust** 1981 Sep 19;2(6):303

Empyema thoracis after combat wounds. Fagarason LA. **Milit Med** 1982 Jun;147(6):471-8

Medical consequences of the various weapons systems used in combat in Thailand. Johnson DE, et al. **Milit Med** 1981 Sep;146(9):632-4

Autotransfusion of shed blood: an untapped battlefield resource. Rumisek JD. **Milit Med** 1982 Mar;147(3):193-6

When nurses were national heroines: images of nursing in American Film, 1942-5. Kalisch P, et al. **Nurs Forum** 1981; 20(1):15-61

'Pierced by the arrows of this ghostly world' - a review of arrow wounds in Enga Province. Sharp PT. **Papua New Guinea Med J** 1981 Sep;24(3):150-63

Anna Coleman Ladd: maker of masks for the facially mutilated. Romm S, et al. **Plast Reconstr Surg** 1982 Jul; 70(1):104-11

The health of former prisoners of war of the Japanese. Gill GV, et al. **Practitioner** 1981 Apr;225(1354):531-8

Britain between the wars: the historical context of Bowlby's theory of attachment. Newcombe N, et al. **Psychiatry** 1982 Feb;45(1):1-12

[The Medico-legal Commission of Monaco. Additional protocols to the Geneva Convention of 12 August 1949 and their protective powers] **Ann Droit Int Med** 1980-81; (29):38-82 **(Fre)**

[The Medico-legal Commission of Monaco. The statute on the medical profession in times of armed conflict] **Ann Droit Int Med** 1980-81;(29):11-37 **(Fre)**

[304 abdominal war wounds treated by five surgical teams during the N'Djamena war (author's transl)] de Saint Julien J, et al. **Chirurgie** 1981;107(8):622-9 (Eng. Abstr.) **(Fre)**

[Treatment of open fractures and osteoarticular lesions under wartime conditions: experience gained during the Chadian conflict (author's transl)] Miné J, et al. **Chirurgie** 1981; 107(8):630-8 (Eng. Abstr.) **(Fre)**

[Wartime surgery as an independent discipline (author's transl)] Rignault D, et al. **Chirurgie** 1981;107(8):644-9 (Eng. Abstr.) **(Fre)**

[A clinical study of reaction to trauma. The fate of a child in wartime] Eckstaedt A. **Psyche (Stuttg)** 1981 Jul; 35(7):600-10 (Eng. Abstr.) **(Ger)**

[Arteriovenous aneurysm of the abdominal cavity following a blind shrapnel wound in World War II] Shchul'tsev GP, et al. **Klin Med (Mosk)** 1982 Apr;60(4):94-5 **(Rus)**

[Clinical manifestations of long-term sequelae of war contusions, wounds, and diseases] Shul'tsev GP. **Klin Med (Mosk)** 1981 Sep;59(9):59-62 **(Rus)**

[Characteristics of the course of chronic pneumonia in disabled World War II veterans] Myl'nikova NV, et al. **Voen Med Zh** 1981 Oct;(10):57-9 **(Rus)**

[Medical services for the disabled and veterans of war] Zelinskiĭ AN. **Vrach Delo** 1982 May;(5):6-9 **(Rus)**

[Medical workers against war (author's transl)] **Lijec Vjesn** 1981 Dec;103(12):570-3 (Eng. Abstr.) **(Ser)**

[Preparation and potentials for health care during a period of national defense] Andelski A. **Vojnosanit Pregl** 1981 Nov-Dec;38(6):429-33 **(Ser)**

[The position and protection of health services according to international laws on war] Jovanović M. **Vojnosanit Pregl** 1981 Jul-Aug;38(4):227-31 **(Ser)**

[Incidence of psychiatric disorders and their medical and evacuation implications in recent and future wars] Kapor G. **Vojnosanit Pregl** 1981 May-Jun;38(3):164-7 **(Ser)**

HISTORY

Identification of the remains of John Paul Jones: a look at early methods. Eckert WG. **Am J Forensic Med Pathol** 1982 Jun;3(2):143-52

Emergency medicine in colonial America: Revolutionary War casualties. Jelenko C 3d, et al. **Ann Emerg Med** 1982 Jan;11(1):73-6

Medical aid to the Spanish Republic during the Civil War (1936-1939). Shapiro MF. **Ann Intern Med** 1982 Jul; 97(1):119-24

Peace and strife in Hunter's time. (Part I). Murley R. **Ann R Coll Surg Engl** 1982 Jan;64(1):20-8

The first American officer wounded in World War I. Smith R. **JAMA** 1982 Mar 26;247(12):1743

Life in a Japanese prisoner-of-war camp. Duncan IL. **Med J Aust** 1982 Apr 3;1(7):302-6

Civil war medicine in North Carolina. Loehr WJ. **NC Med J** 1982 Feb;43(2):120-1

Remarks on the gunshot wounds of the Civil War by Robert F. Weir. New York State Journal of Medicine April, 1904. Weir RF. **NY State J Med** 1982 Mar;82(3):391-3

Reiter's syndrome and the American revolutionary war. McSherry JA. **Practitioner** 1982 Apr;226(1366):794-5

Did Napoleon Bonaparte fade away? [editorial] Ventura J. **Practitioner** 1982 Jul;226(1369):1207

[Experiences with the management of two 'movable veterinary investigation offices' in the East and the West during the last World War (author's transl)] Fritzsche K. **DTW** 1982 Feb 5;89(2):65-70 (Eng. Abstr.) **(Ger)**

[Sanitary working conditions of Poles employed in the Łódź industry during the nazi occupation (author's transl)] Bojanowski T. **Przegl Lek** 1981;38(12):869-72 (Eng. Abstr.) **(Pol)**

[Naval health services and the 1941-1945 underground activities] Gerwel T. **Przegl Lek** 1981;38(1):92-5 **(Pol)**

[Health services during the defense of the Baltic coast in 1939] Gerwel T. **Przegl Lek** 1981;38(1):80-92 **(Pol)**

[The early days in September in Cracow in 1939] Kowalczyk J. **Przegl Lek** 1981;38(1):138-43 **(Pol)**

[Social and medical aid provided to combatants in the Białystock area] Kretowski J, et al. **Przegl Lek** 1981; 38(1):30-3 **(Pol)**

[Health institutions in Zakopane during the Nazi occupation] Ryn Z. **Przegl Lek** 1981;38(1):114-21 **(Pol)**

[Sochi hospital base in World War II] Artiukhov SA. **Sov Zdravookhr** 1981;(9):66-7 (Eng. Abstr.) **(Rus)**

[Heroism of medical workers during the defense of the Kerch quarries in 1942] Abramov VV. **Voen Med Zh** 1982 May; (5):71-3 **(Rus)**

[Political workers of medical units and institutions in the World War II years] Berezhniak AP. **Voen Med Zh** 1981 Sep;(9):70-1 **(Rus)**

[Medical supplies of the Russian army in 18th century wars] Chirkov AI. **Voen Med Zh** 1981 Aug;(8):74-6 **(Rus)**

[Lessons in organizing medical support for the troops on the Western and Kalinin fronts in the counteroffensive (on the 40th anniversary of the rout of the German fascist troops at Moscow)] Gurvich MM, et al. **Voen Med Zh** 1982 Jan; (1):14-9 **(Rus)**

[40th anniversary of the Battle of Moscow] Iurov IA, et al. **Voen Med Zh** 1981 Dec;(12):9-15 **(Rus)**

[Organization of therapeutic care in the Red Army during the years of foreign military intervention and the civil war] Shalaev NF. **Voen Med Zh** 1982 Jun;(6):68-9 **(Rus)**

[Repair of medical stores during World War II] Voronkov OV. **Voen Med Zh** 1982 May;(5):73-5 **(Rus)**

[Epidemic consequences of the temporary fascist occupation of the Ukrainian SSR and the measures for their elimination] Siniak KM. **Zh Mikrobiol Epidemiol Immunobiol** 1982 May;(5):11-4 **(Rus)**

[Health conditions in Belgrade during the occupation in World War I and the 1918-1919 Spanish influenza epidemic] Dragić M. **Srp Arh Celok Lek** 1980 Sep; 108(9):969-74 **(Scc)**

[Chronology of events important for the health service during the National Liberation War from 1941 to 1945] Dragić D. **Vojnosanit Pregl** 1981 Nov-Dec;38(6):423-8 **(Scr)**

[Development of the partisan medical service in Slovenia during the National War of Liberation] Južnič M. **Vojnosanit Pregl** 1981 Nov-Dec;38(6):412-22 **(Scr)**

[Medical doctrine in the National War of Liberation in Slovenia] Brecelj B. **Vojnosanit Pregl** 1982 Mar-Apr; 39(2):121-6 **(Slv)**

[The development of the partisan health service in Slovenia during the War of National Liberation (II)] Južnič M. **Vojnosanit Pregl** 1982 Mar-Apr;39(2):127-42 **(Slv)**

[The Battle of Valmy and medicine] Lanari A. **Medicina (B Aires)** 1981;41(2):257-8 **(Spa)**

WAR CRIMES

Observations on the First International Conference on Children of Holocaust Survivors. Peskin H. **Fam Process** 1981 Dec;20(4):391-4

The parent's Nazi past and the dialogue between the generations. Stierlin H. **Fam Process** 1981 Dec;20(4):379-90

The prerequisites of Nazi barbarism. Arieti S. **Isr J Psychiatr Relat Sci** 1981;18(4):283-97

Coming out of the death camps: return to life. Hemmendinger J. **Isr J Psychiatr Relat Sci** 1981;18(4):331-4

Second generation of the Holocaust. Holocaust survivors' communication of experience to their children, and its effects. Robinson S, et al. **Isr J Psychiatr Relat Sci** 1981; 18(2):99-107

Factors influencing the evaluation of psychological and psychosomatic reactions in survivors of the Nazi persecution. Hertz DG, et al. **J Psychosom Res** 1982; 26(1):83-9

[Facing death at the Birkenau and Ravensbrueck concentration camps] Apostol-Staniszewska J. **Przegl Lek** 1981;38(1):163-8 **(Pol)**

[Effects of the Nuremberg trials against SS physicians and the shaping of concepts on human experimentation] Bogusz J. **Przegl Lek** 1981;38(1):72-9 **(Pol)**

[Attitude of survivors of the Oswiecim-Brzezinka camps to their former persecutors] Jagoda Z, et al. **Przegl Lek** 1981; 38(1):37-62 **(Pol)**

[Contents of preceding issues of 'Przeglad Lekarski' (Medical Review) devoted to medical problems of the period of Nazi occupation (author's transl)] Masłowski J, et al. **Przegl Lek** 1981;38(1):249-69 **(Pol)**

[Medical topics dealing with the German occupation in Polish works published in 1980] Masłowski J. **Przegl Lek** 1981;38(1):229-48 **(Pol)**

[Psychological adaptation of retired university professors, former victims of Nazi repressive measures] Szemraj-Lochynska A, et al. **Przegl Lek** 1981;38(1):33-6 **(Pol)**

HISTORY

[Experiences of children and mothers, members of forced labor, in West Pomerania] Cieślawski M. **Przegl Lek** 1981; 38(1):121-4 **(Pol)**

[Dr. Stefania Perzanowska] Kłodziński S. **Przegl Lek** 1981; 38(1):189-97 **(Pol)**

[Dr. Jozef Gałka] Kłodziński S. **Przegl Lek** 1981;38(1):184-7 **(Pol)**

[From Cracow to Sachsenhausen] Maziarski S. **Przegl Lek** 1981;38(1):143-51 **(Pol)**

[Dr. Józef Bednarz] Petelski M. **Przegl Lek** 1981;38(1):173-5 **(Pol)**

[Dr. Stanisław Janiszewski] Przychodzki M. **Przegl Lek** 1981; 38(1):180-2 **(Pol)**

[Dr. Stanisława Parczewska] Przychodzki M. **Przegl Lek** 1981;38(1):187-9 **(Pol)**

[Col. Eugeniusz Parczewski] Przychodzki M. **Przegl Lek** 1981;38(1):177-9 **(Pol)**

[Dr. Wacław Olszak] Sembol J. **Przegl Lek** 1981;38(1):169-73 **(Pol)**

[Dr. Jan Bularski] Sikorski J. **Przegl Lek** 1981;38(1):175-7 **(Pol)**

[Dr. Marian Gustek] Sikorski J, et al. **Przegl Lek** 1981; 38(1):182-4 **(Pol)**

WARBURG'S RESPIRATORY ENZYME see **CYTOCHROME OXIDASE**

WARFARIN

Effect of vitamin E on prothrombin levels in warfarin-induced vitamin K deficiency. Corrigan JJ Jr, et al. **Am J Clin Nutr** 1981 Sep;34(9):1701-5

ADMINISTRATION & DOSAGE

Evaluation of a warfarin dosing protocol in treating pulmonary embolism. Jim LK, et al. **Am J Hosp Pharm** 1981 Oct;38(10):1520-1

A pocket calculator program for prediction of warfarin maintenance dose. Canaday BR, et al. **Comput Biol Med** 1982;12(2):179-87

Interaction of sulphinpyrazone with warfarin. Miners JO, et al. **Eur J Clin Pharmacol** 1982;22(4):327-31

Risk-benefit analysis of warfarin therapy in Hancock mitral valve replacement. Hill JD, et al. **J Thorac Cardiovasc Surg** 1982 May;83(5):718-23

Adjusted subcutaneous heparin versus warfarin sodium in the long-term treatment of venous thrombosis. Hull R, et al. **N Engl J Med** 1982 Jan 28;306(4):189-94

[Thrombotic thrombocytopenic purpura--successful treatment by warfarin and antiplatelet drugs (author's transl)] Nagata S, et al. **Rinsho Ketsueki** 1981 May; 22(5):678-84 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Prediction of hemorrhage during long-term oral coumarin anticoagulation by excessive prothrombin ratio. Forfar JC. **Am Heart J** 1982 Mar;103(3):445-6

Warfarin-induced skin necrosis: report of four cases. Horn JR, et al. **Am J Hosp Pharm** 1981 Nov;38(11):1763-8

Coumadin-induced breast necrosis. Kagan RJ, et al. **Am Surg** 1981 Nov;47(11):509-10

Warfarin, pulmonary embolism, and cancer [letter] Krauss JS. **Ann Intern Med** 1982 Aug;97(2):282

Cimetidine potentiation of warfarin action [letter] Kerley B, et al. **Can Med Assoc J** 1982 Jan 15;126(2):116

Stereoselective interaction of sulfinpyrazone with racemic warfarin and its separated enantiomorphs in man. O'Reilly RA. **Circulation** 1982 Jan;65(1):202-7

Retropharyngeal hematoma as a complication of warfarin therapy. Brooks BJ Jr, et al. **J La State Med Soc** 1981 Oct;133(10):156-7

Spinal subarachnoid hemorrhage due to a thoracic neurinoma during anticoagulation therapy --a case report--. Motomochi M, et al. **Neurol Med Chir (Tokyo)** 1981 Jul; 21(7):781-4

'Purple toes' syndrome. Lebsack CS, et al. **Postgrad Med** 1982 May;71(5):81-4

Spinal cord haemorrhage following herpes zoster: a possible complication of warfarin therapy. Friedland ML, et al. **Postgrad Med J** 1982 Jan;58(675):39–40

Warfarin-induced vasculitis: a dose-related phenomenon in susceptible individuals? Howitt AJ, et al. **Postgrad Med J** 1982 Apr;58(678):233–4

An appraisal of warfarin therapy during pregnancy. Kort HI, et al. **S Afr Med J** 1981 Oct 10;60(15):578–9

Anticoagulant-induced hematomas of the small intestine. Azizkhan R, et al. **South Med J** 1982 Feb;75(2):242–4

BLOOD

Stereoselective binding of the enantiomers of warfarin and tryptophan to serum albumin from some different species studied by affinity chromatography on columns of immobilized serum albumin. Lagercrantz C, et al. **Comp Biochem Physiol [C]** 1981;69(2):375–8

Warfarin binding to plasma of workers exposed to toluene diisocyanate. Bachmann K, et al. **Int J Clin Pharmacol Ther Toxicol** 1982 Feb;20(2):47–50

Rapid, reliable and sensitive assay for warfarin using normal-phase high-performance liquid chromatography. Tasker RA, et al. **J Chromatogr** 1982 Mar 12;228:346–9

The effect of bumetanide on the serum disappearance of warfarin sodium. Nipper H, et al. **J Clin Pharmacol** 1981 Nov-Dec;21(11-12 Pt 2):654–6

Effect of pirprofen on protein binding of warfarin and tolbutamide in human plasma. Luders RC, et al. **J Pharm Sci** 1981 Dec;70(12):1370–1

Comparative interaction of sulfinpyrazone and phenylbutazone with racemic warfarin: alteration in vivo of free fraction of plasma warfarin. O'Reilly RA, et al. **J Pharmacol Exp Ther** 1981 Dec;219(3):691–4

Characterization of an important drug binding area on human serum albumin including the high-affinity binding sites of warfarin and azapropazone. Fehske KJ, et al. **Mol Pharmacol** 1982 Mar;21(2):387–93

Quantitation of plasma warfarin concentrations by high performance liquid chormatography. Robinson CA, et al. **Ther Drug Monit** 1981;3(3):287–90

[Protein binding of drugs determine by continuous ultrafiltration. II: Protein binding of warfarin (author's transl)] Rehse K, et al. **Arch Pharm (Weinheim)** 1981 Dec; 314(12):1046–52 (Eng. Abstr.) **(Ger)**

METABOLISM

Microbial transformations of warfarin: stereoselective reduction by Nocardia corallina and Arthrobacter species. Davis PJ, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):884–90

Evidence against an abstraction or direct insertion mechanism for cytochrome P-450 catalysed meta hydroxylations. Bush ED, et al. **Biochem Biophys Res Commun** 1982 Jan 29; 104(2):626–32

Changes in the metabolic profiles of R- and S-warfarin and R- and S-phenprocoumon as a probe to categorize the effect of inducing agents on microsomal hydroxylases. Porter WR, et al. **Biochem Pharmacol** 1981 Nov 15; 30(22):3099–104

Comparison of the bioavailabilities and anticoagulant activities of two warfarin formulations. Stirling Y, et al. **Br J Haematol** 1982 May;51(1):37–46

Antipyrine and warfarin disposition in a patient with idiopathic hypoalbuminemia. Piroli RJ, et al. **Clin Pharmacol Ther** 1981 Dec;30(6):810–6

Development of the hepatic mixed-function oxidase system and its metabolism of warfarin in the perinatal rat. MacDonald MG, et al. **Dev Pharmacol Ther** 1981;3(1):1–11

Influence of the intestinal microflora on the elimination of warfarin in the rat. Remmel RP, et al. **Drug Metab Dispos** 1981 Sep-Oct;9(5):410–4

The effect of broad-spectrum antibiotics on warfarin excretion and metabolism in the rat. Remmel RP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):503–14

Competition between serum albumin and soluble fraction of liver for binding of warfarin and other drugs. Wosilait WD, et al. **Res Commun Chem Pathol Pharmacol** 1981 Apr; 32(1):113–21

PHARMACODYNAMICS

Inhibition by coumadin anticoagulants of enzymatic outer ring monodeiodination of iodothyronines. Goswami A, et al. **Biochem Biophys Res Commun** 1982 Feb 26; 104(4):1231–8

Vitamin K-dependent carboxylation and vitamin K epoxidation. Evidence that the warfarin-sensitive microsomal NAD(P)H dehydrogenase reduces vitamin K1 in these reactions. Wallin R, et al. **Biochem J** 1981 Mar 15;194(3):983–8

Vitamin K1, vitamin K1 epoxide and warfarin interrelationships in the dog. Carlisle DM, et al. **Biochem Pharmacol** 1981 Nov 1;30(21):2931–6

Mechanism of coumarin action: sensitivity of vitamin K metabolizing enzymes of normal and warfarin-resistant rat liver. Hildebrandt EF, et al. **Biochemistry** 1982 May 11; 21(10):2406–11

Human serum albumin as an allosteric two-state protein. Evidence from effects of calcium and warfarin on proton binding behaviour. Janssen LH, et al. **Biochim Biophys Acta** 1981 Jul 28;669(2):244–50

A comparison between vitamin K-dependent carboxylase from normal and warfarin-treated cows. Vermeer C, et al. **Biochim Biophys Acta** 1982 Feb 2;714(2):361–5

Lack of effect of ranitidine on warfarin action. Serlin MJ, et al. **Br J Clin Pharmacol** 1981 Dec;12(6):791–4

The influence of warfarin of levamisole on the incidence of metastases following local irradiation of a solid tumor. Baker D, et al. **Cancer** 1982 Feb 1;49(3):427–33

The potentiation of warfarin anticoagulation by amiodarone. Hamer A, et al. **Circulation** 1982 May;65(5):1025–9

Evaluation of a computer-assisted method for individualized anticoagulation: retrospective and prospective studies with a pharmacodynamic model. Abbrecht PH, et al. **Clin Pharmacol Ther** 1982 Jul;32(1):129–36

Ticrynafen-racemic warfarin interaction: hepatotoxic or stereoselective? O'Reilly RA. **Clin Pharmacol Ther** 1982 Sep;32(3):356–61

An unrecognized cause of warfarin resistance [letter] Westfall LK. **Drug Intell Clin Pharm** 1981 Feb;15(2):131

Clinical study of possible interactions between indoprofen and oral anticoagulants. Jacono A, et al. **Eur J Rheumatol Inflamm** 1981;4(1):32–5

The inhibition of vitamin K-dependent carboxylase by cyanide. De Metz M, et al. **FEBS Lett** 1982 Jan 25; 137(2):253–6

R- and S-Warfarin inhibition of vitamin K and vitamin K 2,3-epoxide reductase activities in the rat. Fasco MJ, et al. **J Biol Chem** 1982 May 10;257(9):4894–901

Effects of warfarin on bone. Studies on the vitamin K-dependent protein of rat bone. Price PA, et al. **J Biol Chem** 1981 Dec 25;256(24):12754–9

Normal cortical bone mass in patients after long term coumadin therapy. Piro LD, et al. **J Clin Endocrinol Metab** 1982 Feb;54(2):470–3

Interaction between paracetamol and coumarin anticoagulants [letter] Boeijinga JJ, et al. **Lancet** 1982 Feb 27;1(8270):506

Warfarin-rifampicin interaction [letter] Fox P. **Med J Aust** 1982 Jan 23;1(2):60

The physiological effects of feeding warfarin poultry. Veltmann JR Jr, et al. **Poult Sci** 1981 Dec;60(12):2603–11

Hypersensitivity to warfarin in rats with Walker 256 carcinoma. Owen CA Jr. **Proc Soc Exp Biol Med** 1982 Jan;169(1):1–3

THERAPEUTIC USE

Warfarin treatment during pregnancy in patients with prosthetic mitral valves. Dean H, et al. **Acta Haematol (Basel)** 1981;66(1):65–6

Current status of anticoagulant therapy. Deykin D. **Am J Med** 1982 Apr;72(4):659–64

Aspirin or Coumadin as the drug of choice for valve replacement with porcine bioprosthesis. Nuñez L, et al. **Ann Thorac Surg** 1982 Apr;33(4):354–8

An interaction between danazol and warfarin. Case report. Goulbourne IA, et al. **Br J Obstet Gynaecol** 1981 Sep; 88(9):950–1

Interaction of indomethacin and warfarin [letter] Pullar T, et al. **Br Med J [Clin Res]** 1982 Jan 16;284(6310):198

Recurring pulmonary emboli. Clinical conference in pulmonary disease from Northwestern University Medical School, Chicago. Hughes RL, et al. **Chest** 1982 Feb; 81(2):230–6

Potentiation of anticoagulant response to warfarin by sulphinpyrazone: a double-blind study in patients with prosthetic heart valves. Girolami A, et al. **Clin Lab Haematol** 1982;4(1):23–6

The effect of warfarin on spontaneously metastasising colorectal cancer in the rat. Mooney B, et al. **Clin Oncol** 1982 Mar;8(1):55–9

Warfarin therapy in the horse [letter] Dodds WJ. **J Am Vet Med Assoc** 1981 Jun 15;178(12):1236, 1238

Long-term anticoagulant therapy prevents recurrent venous thromboembolism [letter] Raskob G, et al. **J R Soc Med** 1982 Apr;75(4):289

Drug trials in prevention of occlusion of aorta—coronary artery vein grafts. Chesebro JH, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):90–3

Clinical and hemodynamic results with the St. Jude Medical cardiac valve prosthesis. A three-year experience. Nicoloff DM, et al. **J Thorac Cardiovasc Surg** 1981 Nov;82(5):674–83

Drug prophylaxis for arterial thromboembolism—1981. Wessler S. **JAMA** 1981 Nov 27;246(21):2484–7

Hemorrhage and anticoagulation after nonseptic embolic brain infarction. Furlan AJ, et al. **Neurology (NY)** 1982 Mar;32(3):280–2

Recurrent embolic cerebral infarction and anticoagulation. Koller RL. **Neurology (NY)** 1982 Mar;32(3):283–5

Assessment of the interaction of warfarin with aspirin and dipyridamole. Donaldson DR, et al. **Thromb Haemost** 1982 Feb 26;47(1):77

Predicting the dose of warfarin for therapeutic anticoagulation. Sharma NK, et al. **Thromb Haemost** 1982 Jun 28;47(3):230–1

Warfarin anticoagulation: difficulties in interpretation of the prothrombin time. Palmer RN, et al. **Thromb Res** 1982 Jan 1 & 15;25(1-2):125–30

TOXICITY

Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: performance and hematology. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1380–6

Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: clinical chemistry and blood coagulation. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1387–94

Toxicology of aflatoxin B1, warfarin, and cadmium in young pigs: metal residues and pathology. Osuna O, et al. **Am J Vet Res** 1982 Aug;43(8):1395–400

WARTHIN TUMOR see **ADENOLYMPHOMA**

WARTS

see related
PAPILLOMA

CHEMICALLY INDUCED

Lithium and warts. White SW. **Int J Dermatol** 1982 Mar; 21(2):107

COMPLICATIONS

Warts and cancer: the oncogenic potential of human papilloma virus. Lynch PJ. **Am J Dermatopathol** 1982 Feb; 4(1):55–60 (56 ref.)

'Benign' and 'malignant' neoplasms associated with verrucae vulgares. Phillips ME, et al. **Am J Dermatopathol** 1982 Feb; 4(1):61–84

Fanconi's anemia. Tumor-like warts, hyperpigmentation associated with deranged keratinocytes, and depressed cell-mediated immunity. Johansson E, et al. **Arch Dermatol** 1982 Apr;118(4):249–52

Genital warts and cervical cancer. I. Evidence of an association between subclinical papillomavirus infection and cervical malignancy. Reid R, et al. **Cancer** 1982 Jul 15;50(2):377–87

A case of carcinoma cuniculatum with coexistant viral plantar wart. Wilkinson JD, et al. **Clin Exp Dermatol** 1981 Nov;6(6):619–23

DIAGNOSIS

Verruca vulgaris of the larynx: a distinctive lesion of probable viral origin confused with verrucous carcinoma. Fechner RE, et al. **Am J Surg Pathol** 1982 Jun;6(4):357–62

Loewenstein-Buschke tumour of penis—a carcinomimic. Report of 24 cases with review of the literature. Ananthakrishnan N, et al. **Br J Urol** 1981 Oct;53(5):460–5

Stump the experts. A common wart. Kouskoukis CE. **J Dermatol Surg Oncol** 1981 Dec;7(12):962, 1038

[Dermatology: corns and warts] Panaccio F. **Union Med Can** 1981 Oct;110(10):921 **(Fre)**

[Differential diagnosis and therapy of calluses, corns and plantar warts (author's transl)] Haneke E. **Z Hautkr** 1982 Feb 15;57(4):263–72 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of plantar warts with acyclovir. Bauer DJ. **Am J Med** 1982 Jul 20;73(1A):313–4

The treatment of plane warts [letter] Thomas JR 3d, et al. **Arch Dermatol** 1982 Sep;118(9):626

Verrucae plantaris--effective treatment with bleomycin: review of the literature and case presentations. Koenig RD, et al. **J Foot Surg** 1982 Summer;21(2):108–10

Glutaraldehyde gel for warts. Scott KW. **Practitioner** 1982 Jul;226(1369):1342–3

ETIOLOGY

The production of warts by suggestion as a cultural phenomenon. Gravitz MA. **Am J Clin Hypn** 1981 Apr; 23(4):281–3

Different papillomaviruses as the causes of oral warts. Lutzner M, et al. **Arch Dermatol** 1982 Jun;118(6):393–9

Virus warts in meat handlers. Wall LM, et al. **Contact Dermatitis** 1981 Sep;7(5):259–67

IMMUNOLOGY

Histocompatibility antigens in viral warts. Friedman-Birnbaum R, et al. **Acta Derm Venereol (Stockh)** 1982;62(1):72–3

Frequency and distribution of papillomavirus structural antigens in verrucae, multiple papillomas, and condylomata of the oral cavity. Jenson AB, et al. **Am J Pathol** 1982 May;107(2):212–8

Chronic exuberant verrucae and depressed cellular immunity. Simon S, et al. **Cutis** 1981 Nov;28(5):504, 506, 519

Cell-mediated immunity in wart infection. Thivolet J, et al. **Int J Dermatol** 1982 Mar;21(2):94–8

Wart regression [letter] Goihman-Yahr M. **J Am Acad Dermatol** 1981 Nov;5(5):615–7

METABOLISM

Keratin polypeptide modifications induced by human papilloma viruses (HPV). Staquet MJ, et al. **Arch Dermatol Res** 1981;271(1):83–90

MICROBIOLOGY

Infections by human papillomavirus (warts). Dvoretzky I, et al. **Am J Dermatopathol** 1982 Feb;4(1):85–9 (27 ref.)

New human papilloma virus isolated from epidermodysplasia verruciformis lesions. Yutsudo M, et al. **Cancer Res** 1982 Jun;42(6):2440–3

Warts—a clinical's view. Rees RB. **Cutis** 1981 Aug; 28(2):175–80
Characterization of a human papillomavirus from epidermodysplasia verruciformis lesions of a patient from Upper-volta. Pfister H, et al. **Int J Cancer** 1981 May 15; 27(5):645–50
Correlation between human papillomavirus (HPV) type and histology of warts. Gross G, et al. **J Invest Dermatol** 1982 Feb;78(2):160–4
Human papillomavirus DNA in cutaneous primary and metastasized squamous cell carcinomas from patients with epidermodysplasia verruciformis. Ostrow RS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(5):1634–8

OCCURRENCE

Warts among workers in poultry slaughterhouses. Mergler D, et al. **Scand J Work Environ Health** 1982;8 Suppl 1:180–4
[Incidence of warts in butchers] Chrustowska W, et al. **Przegl Dermatol** 1981 Jul–Aug;68(4):429–33 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Tricholemmoma [letter] Rollins TG. **Am J Dermatopathol** 1981 Winter;3(4):417
Plantar warts recently turned black. Clinical and histopathologic findings. Berman A, et al. **Arch Dermatol** 1982 Jan;118(1):47–51
An unusual transformation of a common wart in a child [letter] Guillet G, et al. **Arch Dermatol** 1981 Oct;117(10):607
Ultrastructural studies of spontaneously regressing plane warts. Macrophages attack verruca-epidermal cells. Oguchi M, et al. **Arch Dermatol Res** 1981;270(4):403–11
Ultrastructural studies of spontaneously regressing plane warts. Langerhans cells show marked activation. Oguchi M, et al. **Arch Dermatol Res** 1981;271(1):55–61
Regression of the lesions of epidermodysplasia verruciformis. Jablonska S, et al. **Br J Dermatol** 1982 Jul;107(1):109–15
Cervical intraepithelial neoplasia and 'wary' atypia: a study of colposcopic, histological and cytological characteristics. Kirkup W, et al. **Br J Obstet Gynaecol** 1982 Jul;89(7):571–7
Elephantiasis nostras verrucosa of the ears. Grant JM. **Cutis** 1982 May;29(5):441–4
Cutaneous and mucosal warts. Clinical and histopathological criteria for classification. Guillet GY, et al. **Int J Dermatol** 1982 Mar;21(2):89–93
Papillated squamous cell carcinoma in situ arising in a seborrheic keratosis. Baer RL, et al. **J Am Acad Dermatol** 1981 Nov;5(5):561–5
[Histologic and electron microscopical investigations in a patient with benign verrucosis generalisata (author's transl)] Nasemann T, et al. **Arch Dermatol Res** 1981;271(3):283–94 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Warts and all [news] Saveria Campo M. **Nature** 1982 Aug 12;298(5875):605–6

RADIOTHERAPY

Late effects of X-ray treatment of warts. Veien NK, et al. **J Dermatol Surg Oncol** 1982 Apr;8(4):275–81
[Plesioroentgenotherapy in the treatment of verrucous dysplasia. Notes on a successfully treated case] Collo C, et al. **Chir Organi Mov** 1981;66(2):255–8 **(Ita)**
[Treatment of plantar warts by irradiation with an extracted electron beam] Beliaeva TL, et al. **Vestn Dermatol Venerol** 1981;(10):43–5 (Eng. Abstr.) **(Rus)**

SURGERY

Cryotherapy of anorectal warts and condylomata. Dodi G, et al. **Cryobiology** 1982 Jun;19(3):287–8

THERAPY

Cryotherapy versus electrocautery in the treatment of genital warts. Simmons PD, et al. **Br J Vener Dis** 1981 Aug; 57(4):273–4
The management of superficial disorders of the forefoot. Scranton PE Jr. **Foot Ankle** 1982 Jan;2(4):238–41
Dinitrochlorobenzene immunotherapy for verrucae resistant to standard treatment modalities. Dunagin WG, et al. **J Am Acad Dermatol** 1982 Jan;6(1):40–5
Treatment of plantar warts with banana skin [letter] Warzawer-Schwarcz L. **Plast Reconstr Surg** 1981 Dec; 68(6):975–6
Plantar warts. Bart B. **Postgrad Med** 1982 Aug;72(2):251, 255
Warts and their management. Birkett DA. **Practitioner** 1982 Jul;226(1369):1251–4
[Immunotherapy of multiple recurring warts. II. Reassessment of the use of squaric acid dibutylester (SADBE) (author's transl)] Claudy AL, et al. **Ann Dermatol Venereol** 1981;108(10):765–7 (Eng. Abstr.) **(Fre)**
[Modern treatment of warts (author's transl)] Breitbart EW. **Z Hautkr** 1982 Jan 1;57(1):27–37 (Eng. Abstr.) **(Ger)**
[Evaluation of various methods of treating warts] Ratka P. **Pol Tyg Lek** 1981 Feb 9;36(6):221–2 (Eng. Abstr.) **(Pol)**

VETERINARY

Observations on the mammary glands of culled ewes at the time of slaughter. Madel AJ. **Vet Rec** 1981 Oct 17; 109(16):362–3

WASP VENOMS see under **BEE VENOMS**

WASPS see under **HYMENOPTERA**

WASSERMANN REACTION

[Use of sonicated Treponema antigen in the complement fixation reaction for syphilis] D'iachenko LA, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):23–5 **(Rus)**

WASTE DISPOSAL, FLUID see under **SEWAGE**

WASTE DISPOSAL, SOLID see **REFUSE DISPOSAL**

WASTE PRODUCTS

Effects of treated municipal wastewater on the hepatic, xenobiotic, and steroid metabolism in trout. Förlin L, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):41–8
Prenatal toxicology of shale oil retort water in mice. Gregg CT, et al. **J Toxicol Environ Health** 1981 Nov–Dec; 8(5–6):795–804
Strategies for food production using agro-industrial by-products and agricultural wastes for ruminants. Pigden WJ. **Prog Clin Biol Res** 1981;77:935–8
[Experimental studies on the isolation of enteric viruses from hospital sewage by polymer two-phase method (author's transl)] Lin WC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):153–7 **(Chi)**
[A preliminary report on the indicator of the enterovirus in hospital sewage (comparative studies on the resistance of f2 coliphage, B. cereus spore and HBsAg to chemical agents) (author's transl)] Xia LR. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul; 15(4):195–200 **(Chi)**
[Refuse treatment in hospitals and clinics. Disinfection of body vermin] Schreiber H, et al. **Fortschr Med** 1981 Nov 19;99(43):1792–8 (Eng. Abstr.) **(Ger)**
[Hygienic aspects of the disposal of hospital waste] Schindel HJ. **Off Gesundheitswes** 1982 May;44(5):316–8 **(Ger)**
[Microbiological studies on waste water treatment by medical schools and hospitals. (III). Treatment of benzalkonium chloride and chlorhexidine (author's transl)] Sayama N. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):869–73 (Eng. Abstr.) **(Jpn)**
[Microbiological studies on waste water treatment by medical schools and hospitals. (IV) Identification of bacteria which degrade disinfectants (author's transl)] Sayama N. **Nippon Eiseigaku Zasshi** 1981 Jun;36(2):560–5 (Eng. Abstr.) **(Jpn)**
[Review of laboratory waste control (author's transl)] Shirato S. **Rinsho Byori** 1981 May;29(5):485–90 **(Jpn)**

ANALYSIS

Animal wastes. I. Effect of processing on the chemical and protein nutritional value of calf stomach. Caldas SA, et al. **Arch Latinoam Nutr** 1981 Sep;31(3):498–508
Animal wastes. II. Chemical and nutritional evaluation of by-products from rennet and proteases production. Moraes-Santos T, et al. **Arch Latinoam Nutr** 1981 Sep; 31(3):509–17
Waste anesthetic gases in surgeries [letter] Kronoveter KJ. **J Am Vet Med Assoc** 1982 Feb 15;180(4):358–9
[Effect of biological activation on the evolution of microflora during composting of urban waste] Ozino Marletto OI, et al. **G Batteriol Virol Immunol** 1980 Jul–Dec; 73(7–12):242–52 (Eng. Abstr.) **(Ita)**
[The effect of disinfectants on waste water from medical centers (author's transl)] Yamayoshi T, et al. **Kansenshogaku Zasshi** 1981 Jun;55(6):385–99 (Eng. Abstr.) **(Jpn)**
[Isolation of synthetic organic acids from the waste products of human vital activities in closed life-support systems] Siniak IuE, et al. **Kosm Biol Aviakosm Med** 1981;15(3):60–2 (Eng. Abstr.) **(Rus)**

WATER

see related
BODY WATER
MINERAL WATERS

The effect of fluid deprivation, antidiuretic hormone and forced fluid intake on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):377–80
Tap water burns [letter] Stanwick RS. **Am J Public Health** 1981 Dec;71(12):1408
Laboratory and field evaluation of a direct filtration technique for recovery of schistosome cercariae. Kloos H, et al. **Am J Trop Med Hyg** 1982 Jan;31(1):122–7
Improved sampling system for mass spectrometric measurement of water vapour pressure. Ilsley AH, et al. **Anaesth Intensive Care** 1981 Aug;9(3):271–3
A water-miscible, nonhazardous liquid scintillation cocktail. Kellogg TF. **Anal Biochem** 1982 Mar 1;120(2):414–9
Effect of diet hydration on food and water intake, efficiency of food utilization and response to fast and realimentation in rats with dorsomedial hypothalamic hypophagia and growth retardation. Bernardis LL, et al. **Appetite** 1982 Mar; 3(1):35–52
Water supplementation in jaundiced babies [letter] Barrie H. **Arch Dis Child** 1982 Apr;57(4):321–2
Effect of moisture on and kinetic features of the ultrafiltration rate of dialysis membrane. Sato H, et al. **Artif Organs** 1981 Aug;5(3):286–9
Measurement of organ blood flow using tritiated water. I. Hind limb muscle blood flow in conscious ewes. Oddy VH, et al. **Aust J Biol Sci** 1981;34(4):419–25
Polynucleotide melting in heavy and light water. Blake RD. **Biochemistry** 1981 Sep 29;20(20):5735–43
Mechanism of protein stabilization by glycerol: preferential hydration in glycerol-water mixtures. Gekko K, et al. **Biochemistry** 1981 Aug 4;20(16):4667–76
Molecular organization in the liquid—crystalline phases of lecithin—sodium cholate-water systems studied by nuclear magnetic resonance. Ulmius J, et al. **Biochemistry** 1982 Mar 30;21(7):1553–60
Effect of 2H2O/H2O replacement on the dielectric structure of lipid bilayer membranes. Coster HG, et al. **Biochim Biophys Acta** 1982 Mar 23;686(1):141–3
Empirical calculations of peptide-water interactions. Structural aspects of hydration. Genest M, et al. **Biochimie** 1981 Nov–Dec;63(11–12):941–4
Diffusion of lysozyme chloride in water and aqueous potassium chloride solutions. Cadman AD, et al. **Biophys J** 1982 Mar;37(3):569–74
Water transport and ion-water interaction in the gramicidin channel. Dani JA, et al. **Biophys J** 1981 Aug;35(2):501–8
Relative contributions of the fraction of unfrozen water and of salt concentration to the survival of slowly frozen human erythrocytes. Mazur P, et al. **Biophys J** 1981 Dec; 36(3):653–75
Hydromechanics and biology. Nachtigall W. **Biophys Struct Mech** 1981;8(1–2):1–22
Aquagenic urticaria: evidence of cholinergic and histaminergic basis. Sibbald RG, et al. **Br J Dermatol** 1981 Sep;105(3):297–302
Effects of acidic lake water on the eye. Basu PK, et al. **Can J Ophthalmol** 1982 Apr;17(2):74–8
A study of water binding of lyophilized viral vaccine systems. Phillips GO, et al. **Cryobiology** 1981 Aug;18(4):414–9
Aquagenic urticaria. Tkach JR. **Cutis** 1981 Oct;28(4):454, 463
Cytogenetic effects on the eastern mudminnow, Umbra pygmaea, exposed to ethyl methanesulfonate, benzo[a]pyrene, and river water. Hooftman RN, et al. **Ecotoxicol Environ Safety** 1981 Sep;5(3):261–9
Detoxication of zinc and cadmium by the freshwater protozoan Tetrahymena pyriformis. I. The effect of water hardness. Chapman G, et al. **Environ Res** 1981 Oct; 26(1):81–6
Influence of the structure of water on the hydrolysis of cytidine 2',3'-phosphate catalysed by bovine pancreatic ribonuclease A. Biosca JA, et al. **Eur J Biochem** 1982 May; 124(1):151–6
pH and temperature dependences of thermolysin catalysis. Catalytic role of zinc-coordinated water. Kunugi S, et al. **Eur J Biochem** 1982 May;124(1):157–63
Parallel gastric emptying of nonhydrolyzable fat and water after a solid-liquid meal in humans. Cortot A, et al. **Gastroenterology** 1982 May;82(5 Pt 1):877–81
Application of cyclohexane in separation of water from biological and environmental samples [letter] Moghissi AA. **Health Phys** 1981 Aug;41(2):413–4
Effect of moisture content on radon emanation from uranium ore and tailings. Strong KP, et al. **Health Phys** 1982 Jan; 42(1):27–32
Biophysics of water. A working conference. Girton College, Cambridge (England) June 29—July 3, 1981. Abstracts. **Hoppe Seylers Z Physiol Chem** 1981 Sep;362(9):1177–98
Non-specific binding by macrophages: evaluation of the influence of medium-range electrostatic repulsion and short-range hydrophobic interaction. Capo C, et al. **Immunol Commun** 1981;10(1):35–43
The effects of chronic ingestion of tritiated water on hexokinase and lactate dehydrogenase enzymes in liver and brain during postnatal development of mice. Garg LC, et al. **Int J Radiat Biol** 1981 Dec;40(6):665–9
Evaluation of a patient with both aquagenic and cholinergic urticaria. Davis RS, et al. **J Allergy Clin Immunol** 1981 Dec;68(6):479–83
Effect of water temperature on rumen temperature, digestion and rumen fermentation in sheep. Brod DL, et al. **J Anim Sci** 1982 Jan;54(1):179–82
Toward less painful anesthesia: water, saline, and lidocaine. Sperling LC, et al. **J Dermatol Surg Oncol** 1981 Sep; 7(9):730–1
Water vapour absorption and transpiration in the brown dog tick Rhipicephalus sanguineus Latr. (Ixodidae, Acarina). Hafez M, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):123–9
Analysis of moisture sorption hysteresis in hard gelatin capsules, maize starch, and maize starch: drug powder mixtures. York P. **J Pharm Pharmacol** 1981 May; 33(5):269–73
Water repellency induced by pulmonary surfactants. Hills BA. **J Physiol (Lond)** 1982 Apr;325:175–86
Accelerating plaster set using a controlled slurry water concentration. DeCounter BL, et al. **J Prosthet Dent** 1982 Mar;47(3):340–1
A long-haul transport container with water provision for individually caged rats. Gaddis SE, et al. **Lab Anim Sci** 1982 Apr;32(2):173–4

Effect of water deionisers on 'fracturing osteodystrophy' and dialysis encephalopathy in Plymouth. Leather HM, et al. **Nephron** 1981;29(1-2):80-4

The control of Simuliidae (Diptera, Nematocera) in South African rivers by modification of the water flow volume. Howell CJ, et al. **Onderstepoort J Vet Res** 1981 Mar; 48(1):47-9

Amino acids derivatives synthesis from nitrogen, carbon and water by electric discharges. Yamagata Y, et al. **Orig Life** 1981 Dec;11(4):317-20

A matter of life and death: water in the natural philosophy of Albertus Magnus. Cadden J. **Pubbl Stn Zool Napoli [II]** 1980;2(2):241-52

Fricke dosimetry in low dose range for sprout inhibition. Kume T, et al. **Radioisotopes** 1981 Oct;30(10):560-2

Influence of cholesterol on water penetration into bilayers. Simon SA, et al. **Science** 1982 Apr 2;216(4541):65-7

[Problems of aquaculture: brackish water and water cultivation potential] Zaouali J. **Arch Inst Pasteur Tunis** 1981 Mar-Jun;58(1-2):93-103 **(Fre)**

[International seminar on pathology and medical hydro-climatology, Dakar, 11 and 12 February 1980] **Dakar Med** 1981;26 Spec No:1-103 **(Fre)**

[Water urticaria] Van Hecke E. **Hautarzt** 1981 Oct; 32(10):532-4 **(Ger)**

[Hygienic and microbiological influences exerted on natural water biotopes by algae and the growth of water plants. 2. Communication: improvement of the chemical and bacteriological water quality by the natural growth of aquatic plants (author's transl)] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):530-55 (Eng. Abstr.) **(Ger)**

[Water absorption and release in toothbrush bristles] Keszthelyi G. **Fogorv Sz** 1981 Apr;74(4):115-8 (Eng. Abstr.) **(Hun)**

[Photo-stability of theophylline in aqueous aliphatic amine solutions under oxygen (author's transl)] Ishiguro Y, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1159-63 (Eng. Abstr.) **(Jpn)**

[Acid hydrolysis of furosemide in alcohol-water mixtures] Toyo'oka T, et al. **Yakugaku Zasshi** 1981 May; 101(5):489-92 (Eng. Abstr.) **(Jpn)**

[Dielectric study on the water of crystallization of berberine chloride (author's transl)] Yoshimatsu K, et al. **Yakugaku Zasshi** 1981 Dec;101(12):1143-8 (Eng. Abstr.) **(Jpn)**

[Spontaneous lysis of bacteria in river water] Finance C, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Nov-Dec;(6):854-62 (Eng. Abstr.) **(Rus)**

[Shigella and Salmonella viability in river water under different temperature conditions] Popovich GG, et al. **Mikrobiol Zh** 1981 Jul-Aug;43(4):487-9 **(Rus)**

[Combined effect of tritium oxide, noise and heat on rats] Tsapkov MM, et al. **Radiobiologiia** 1982 Mar-Apr; 22(2):275-7 **(Rus)**

[Human and animal leptospirosis in irrigated lands] Drankin DI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Nov; (11):105-8 (Eng. Abstr.) **(Rus)**

[Dynamics of dehydration of aerodispersed microbial cells in air of different humidities] Koniukhov VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Sep;(9):62-7 **(Rus)**

[Biotic indexes as parameters for evaluating the quality of water] de Ferreiros IV. **Rev Latinoam Microbiol** 1980 Oct-Dec;22(4):189-204 (Eng. Abstr.) **(Spa)**

[Drinking water and salt instead of pharmaceutic salt solution?] Brandberg A, et al. **Lakartidningen** 1982 Mar 3;79(9):736-8 **(Swe)**

[Drinking water with salt for cleaning and care of infected wounds] Brandberg A, et al. **Lakartidningen** 1982 Mar 3; 79(9):738-40 **(Swe)**

[Drinking water with salt should not be used without further clinical tests] Fritzson F, et al. **Lakartidningen** 1982 Mar 3;79(9):740-1 **(Swe)**

ADMINISTRATION & DOSAGE

[Pain due to urolithiasis treated by intracutaneous injection of sterile water. A clinically controlled double-blind study] Bengtsson J, et al. **Ugeskr Laeger** 1981 Dec 14; 143(51):3463-5 (Eng. Abstr.) **(Dan)**

ADVERSE EFFECTS

Drinking water composition and blood pressure: a review of the epidemiology. Folsom AR, et al. **Am J Epidemiol** 1982 Jun;115(6):818-32 (63 ref.)

ANALYSIS

Removal of total organic carbon from marine mammal pool water by polymeric resins. Adams G, et al. **Am J Vet Res** 1982 May;43(5):919-21

Determination of ultratrace levels of fluorine in water and urine samples by a gas chromatographic/atmospheric pressure helium microwave induced plasma emission spectrometric system. Chiba K, et al. **Anal Chem** 1982 Apr; 54(4):761-4

Methodology for determining unfreezable water in protein suspensions by low-temperature NMR. Hays DL, et al. **Arch Biochem Biophys** 1982 Jan;213(1):1-6

Influence of water movements and other factors on distribution and transport of heavy metals in a shallow bay (Canada). Moore JW. **Arch Environ Contam Toxicol** 1981 Nov;10(6):715-24

Deuterium NMR of water in immobilized protein systems. Borah B, et al. **Biophys J** 1982 Apr;38(1):47-52

Water in barnacle muscle. III. NMR studies of fresh fibers and membrane-damaged fibers equilibrated with selected solutes. Burnell EE, et al. **Biophys J** 1981 Jan;33(1):1-26

Nuclear magnetic resonance transverse relaxation in muscle water. Fung BM, et al. **Biophys J** 1981 Jan;33(1):27-37

A simple spectrophotometric technique for the determination of pentachlorophenol in water. Carr RS, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):477-9

Effects of selected organic compounds on radionuclide adsorption to sediments in freshwater systems. Clayton JR Jr, et al. **Bull Environ Contam Toxicol** 1982 Apr; 28(4):409-15

Trihalomethanes in chlorinated cooling waters of nuclear reactors. Hollod GJ, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):404-8

Application of nuclear double resonance technique for detection of pesticides in water at low concentrations. Osredkar R, et al. **Bull Environ Contam Toxicol** 1982 May; 28(5):513-8

Methoxychlor residues in treated irrigation canal water in southcentral Idaho. Stoltz RL, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):473-6

Persistence of formulated fenitrothion in distilled, estuarine, and lake water microcosms in dynamic and static systems. Weinberger P, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):484-9

Determination of aldicarb residues in water by combined high performance liquid chromatography/mass spectrometry. Wright LH, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):740-7

Chemical purity of water for injection: a potential source of analytical error [letter] Sampson EJ, et al. **Clin Chem** 1981 Oct;27(10):1773

Swelling of the intervertebral disc in vitro. Urban JP, et al. **Connect Tissue Res** 1981;9(1):1-10

Changes in the state of water in senile cataractous lenses as studied by nuclear magnetic resonance. Pope JM, et al. **Exp Eye Res** 1982 Jan;34(1):57-63

A new, rapid and precise method for measuring the intra-cellular water content by gas chromatography and 3H-sucrose. Kageyama K, et al. **Experientia** 1981 Jul 15; 37(7):748-50

Water content of gallstones: location and contribution to a hypothesis concerning stone structure. Soloway RD, et al. **Hepatology** 1982 Mar-Apr;2(2):223-9

Approach to cadmium speciation in natural waters using 109Cd as radiotracer. Maggi L, et al. **Int J Appl Radiat Isot** 1982 Mar;33(3):217-21

Changes in water content and volume accompanying exsheathment of Haemonchus contortus. Davey KG, et al. **Int J Parasitol** 1982 Feb;12(1):93-6

Bacterial spore heat resistance correlated with water content, wet density, and protoplast/sporoplast volume ratio. Beaman TC, et al. **J Bacteriol** 1982 May;150(2):870-7

Photometric immersion refractometry of bacterial spores. Gerhardt P, et al. **J Bacteriol** 1982 May;150(2):643-8

Quantitative determination of 1,2-dibromo-3-chloropropane in whole rat blood and drinking water by gas chromatography. Kastl PE, et al. **J Chromatogr** 1981 Aug 21;213(1):156-61

Degradation of terbutryn in sediments and water under various redox conditions. Muir DC, et al. **J Environ Sci Health [B]** 1982;17(4):363-80

The dissipation of nonylphenol in stream and pond water under simulated field conditions. Sundaram KM, et al. **J Environ Sci Health [B]** 1981;B16(6):767-76

Residues of chlorpyrifos-methyl in balsam fir foliage, forest litter, soil, stream water, sediment and fish tissue after double aerial applications of Reldan. Szeto S, et al. **J Environ Sci Health [B]** 1981;B16(6):743-66

Annual changes of vitamin B1, biotin and vitamin B12 in water in Lake Biwa. Kurata A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(4):301-9

Multielement analysis of fingernail, scalp hair and water samples from Egypt (a preliminary study). Kasperek K, et al. **Sci Total Environ** 1982 Jan;22(2):149-68

[Studies on the maximum permissible concentration on tetrachlorovinphos in surface water (author's transl)] Xia SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1982 Jan; 16(1):27-30 (Eng. Abstr.) **(Chi)**

[A study of problems of formulating the nitrate criteria in drinking water (author's transl)] Xiao XC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):46-7 **(Chi)**

[Observations on reduced drinking water fluorine content in the control of endemic fluorosis in four years (author's transl)] Xu CW, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jul;15(4):216-7 **(Chi)**

[Determination of cyanide in soil and waste] Horvath A, et al. **Z Gesamte Hyg** 1982 Feb;28(2):101-5 (Eng. Abstr.) **(Ger)**

[Methods for determining free and bound chlorine in water] Thielemann H. **Z Gesamte Hyg** 1982;28(1):47-8 (Eng. Abstr.) **(Ger)**

[Experimental comparative studies on thin-layer chromatographic detection limits of parasubstituted phenol bonds in watery model solutions] Thielemann H. **Z Gesamte Hyg** 1982 Feb;28(2):139-40 **(Ger)**

[Experimental study on quantitative thin-layer chromatography of polyphenols using the extinction recording apparatus with intergrator ERI 65 m of VEB Carl Zeiss Jena - contribution to the analysis of phenol compounds in waters] Thielemann H. **Z Gesamte Hyg** 1982 Feb;28(2):84-6 (Eng. Abstr.) **(Ger)**

[Evaluation of environmental analytical data from the Federal Republic of Germany demonstrated by chloroform in drinking water (author's transl)] Bauer U, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3-4):149-58 **(Ger)**

[The analytical methods for radium in environmental samples (author's transl)] Higuchi H. **Radioisotopes** 1981 Nov; 30(11):618-27 (59 ref.) **(Jpn)**

[On the electrolytic separation factor of tritium (author's transl)] Kitaoka K. **Radioisotopes** 1981 May;30(5):247-52 (Eng. Abstr.) **(Jpn)**

[The distribution and the origin of trace elements in fresh waters in the Mikurajima Island (author's transl)] Tanizaki Y, et al. **Radioisotopes** 1981 Sep;30(9):486-91 (Eng. Abstr.) **(Jpn)**

[A new method for measuring the state of water by broad-line pulsed NMR and its application to freeze-drying of drugs (author's transl] Suzuki E. **Yakugaku Zasshi** 1981 Aug;101(8):688-94 (Eng. Abstr.) **(Jpn)**

[Calorimetric study of collagen hydration] Nikolaeva SS, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):634-5 (Eng. Abstr.) **(Rus)**

[Model of collagen structure with ice-like packing of the water molecules between the polypeptide chains in the triple helix] Lim VE, et al. **Dokl Akad Nauk SSSR** 1981; 259(3):743-6 **(Rus)**

[Limits of the change in the water quality of an underground source hydraulically linked with a river] Kokina AG, et al. **Gig Sanit** 1982;(1):70-1 **(Rus)**

[Sanitary status of the Belaya River in relation to water protection measures] Mingazetdinov AA. **Gig Sanit** 1982 Feb;(2):86-7 **(Rus)**

[Determination of the trace element content in geothermal water by emission spectrum analysis] Novikov IuV, et al. **Gig Sanit** 1981 Sep;(9):44-5 **(Rus)**

[Automatic float-sampler for continuous liquid sampling] Talapa AI. **Gig Sanit** 1982 Feb;(2):79-80 **(Rus)**

[Changes in the chemical regimen of the aqueous environment and the Aedes larval count after the liming of acid soils] Fedorova VG, et al. **Med Parazitol (Mosk)** 1982 Jan-Feb;51(1):14-7 (Eng. Abstr.) **(Rus)**

[Yeasts in the water of the Dnieper River] Kvasnikov EI, et al. **Mikrobiol Zh** 1982 Jan-Feb;44(1):42-5 (Eng. Abstr.) **(Rus)**

[Variations in the transmission spectra of aqueous solutions and their correlations with neutron monitor readings] Tsaplin VS, et al. **Probl Kosm Biol** 1982;43:211-5 **(Rus)**

DIAGNOSTIC USE

Bronchial hyperreactivity in response to inhalation of ultrasonically nebulised solutions of distilled water and saline. Schoeffel RE, et al. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1285-7

The water cushion in dermatological diagnostic ultrasound. A new method. Weinraub Z, et al. **Dermatologica** 1982 May;164(5):357-9

[Effectiveness of using a simplified method for the combined water-dark campimetric test] Ustinova EI, et al. **Oftalmol Zh** 1982;37(1):41-4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[K-60 equipment system for obtaining apyrogenic distilled water] Tsybul'kin VV, et al. **Med Tekh** 1982 Jan-Feb; (1):52-5 **(Rus)**

METABOLISM

Effect of sympathectomy with 6-hydroxydopamine on the renal excretion of water and electrolytes in developing rats. Appenroth D, et al. **Acta Biol Med Ger** 1981;40(12):1715-21

Sodium and water transport in frog skin: effect of indomethacin. Bartha J, et al. **Acta Physiol Acad Sci Hung** 1981;57(1):9-17

Absorption of amino acids in different parts of the small intestine in growing pigs. I. Absorption of free amino acids and water. Buraczewska L. **Acta Physiol Pol** 1981 Jul-Aug; 32(4):419-28

Nonoxidative glucose metabolism a prerequisite for formation of dilute urine. Baines AD, et al. **Am J Physiol** 1982 May; 242(5):F491-8

Effects of spironolactone and amiloride on corticosteroid-induced changes in colonic function. Charney AN, et al. **Am J Physiol** 1981 Oct;241(4):G300-5

Determinants of proximal bicarbonate, chloride, and water reabsorption during carbonic anhydrase inhibition. Cogan MG, et al. **Am J Physiol** 1982 Mar;242(3):F274-84

Chloroquine stimulates absorption and inhibits secretion of ileal water and electrolytes. Fogel R, et al. **Am J Physiol** 1982 Aug;243(2):G117-26

Bath osmolality: effect on water permeability of epithelial tissue. Lau YT, et al. **Am J Physiol** 1982 Mar; 242(3):C184-91

Inhibition of ADH-stimulated water flow by stable prostaglandin endoperoxide analogues. Ludens JH, et al. **Am J Physiol** 1982 Feb;242(2):F119-25

K, Cl, and H2O entry in endolymph, perilymph, and cerebrospinal fluid of the rat. Sterkers O, et al. **Am J Physiol** 1982 Aug;243(2):F173–80

Effect of acetate or chloride anions on intestinal absorption of water and solutes in the calf. Demigné C, et al. **Am J Vet Res** 1981 Aug;42(8):1356–9

Hormonal regulation of epithelial transport of ions and water. **Ann NY Acad Sci** 1981;372:1–660

Studies of pyruvate-water isotope exchange catalysed by erythrocytes and proteins. Simpson RJ, et al. **Biochem J** 1981 Feb 1;193(2):401–6

Nocodazole inhibition of the vasopressin-induced water permeability increase in toad urinary bladder. Brady RJ, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):399–401

Study on the dehydrating effect of the red cell Na+/K+-pump in nystatin-treated cells with varying Na+ and water contents. Clark MR, et al. **Biochim Biophys Acta** 1981 Sep 7;646(3):422–32

Water permeability of biological membranes. Lessons from antidiuretic hormone-responsive epithelia. Hebert SC, et al. **Biochim Biophys Acta** 1982 May 12;650(4):267–80 (86 ref.)

Partition equilibrium of inhalation anesthetics and alcohols between water and membranes of phospholipids with varying acyl chain-lengths. Kamaya H, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):135–42

Osmotic water permeability of rabbit corneal endothelium and its dependence on ambient concentration. Liebovitch LS, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):71–6

Adsorption of inhalation anesthetics on the air/water interface and the effect of water structure. Shibata A, et al. **Biochim Biophys Acta** 1981 Aug 6;646(1):126–34

Biology of the scrotum. II. Suppression by abdominal temperature of transepithelial ion and water transport in the cauda epididymidis. Wong PY, et al. **Biol Reprod** 1982 May;26(4):683–9

1H-NMR relaxation investigation of water bound to bovine rod outer segment disk membranes. Gaggelli E, et al. **Biophys J** 1982 Feb;37(2):559–61

Coupling of water and ion fluxes in a K+-selective channel of sarcoplasmic reticulum. Miller C. **Biophys J** 1982 Jun; 38(3):227–30

Hydrophobic adsorption chromatography of colony-stimulating activities and erythroid-enhancing activity from the human monocyte-like cell line, GCT. Abboud CN, et al. **Blood** 1981 Dec;58(6):1148–54

NMR relaxation times of water protons in human colon cancer cell lines and clones. Beall PT, et al. **Cancer Biochem Biophys** 1982;6(1):7–12

Colchicine affects the distribution of isotope-labeled H2O and extracellular markers in rat liver and hepatomas. Lea MA. **Cancer Lett** 1981 Dec;14(3):317–21

Effects of cyanate on the distribution of isotope-labeled H2O and extracellular markers in rat liver and tumors. Lea MA, et al. **Cancer Res** 1981 Dec;41(12 Pt 1):4988–92

Sodium and water content of feedings for use in infants with diarrhea [letter] **Clin Pediatr (Phila)** 1981 Oct;20(10):676–8

Renal salt and water handling in water immersion in the nephrotic syndrome. Berlyne GM, et al. **Clin Sci** 1981 Nov; 61(5):605–10

Maximal capacity for fluid absorption in human bowel. Palma R, et al. **Dig Dis Sci** 1981 Oct;26(10):929–34

Quercetin enhances water transport in toad bladder. Grosso A, et al. **Experientia** 1981 Jul 15;37(7):742–4

Colon absorption of water and NaCl in the rat during lactation and the possible involvement of prolactin. Mainoya JR. **Experientia** 1981 Oct 15;37(10):1083–4

Inhibitory effects of 1-iodo-3-azido-methyl-5,6,7,8-tetrahydro-2-naphthol (ONO-3122) and prostaglandin H2 on vasopressin-induced osmotic water flow in toad bladder. Marumo F. **Experientia** 1983 Jul 15;38(7):828–9

Effects of teleost [illegible]ensins on intestinal absorption of water and NaCl in tilapia, sarotherodon mossambicus, adapted to fresh water or seawater. Mainoya JR, et al. **Gen Comp Endocrinol** 1982 May;47(1):54–8

Effect of cholera toxin on ileal water and solute transport after resection of the proximal small intestine in the rat. Townsend WF, et al. **Gut** 1981 Nov;22(11):953–7

Modulation by insulin and glucagon of the rate of (3H] H2O incorporation into glycerolipids by isolated rat hepatocytes. Beynen AC, et al. **Horm Metab Res** 1982 May;14(5):248–51

Effect of a water and potassium loading test on kidney function. Aizman RI. **Hum Physiol** 1981 Jul–Aug; 7(4):295–300

Effect of hapten binding on antibody—water interaction. A concept of fluctuating cavities. Käiväräinen A, et al. **Immunol Lett** 1981 Dec;3(6):323–7

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: effect of metabolic inhibitors. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):405–10

Water and electrolyte balance in protoscoleces of Echinococcus granulosus incubated in vitro: general procedures for the determination of water, sodium, potassium and chloride in protoscoleces. Reisin IL, et al. **Int J Parasitol** 1981 Oct;11(5):399–404

A comparative study of water transpiration and the uptake and metabolism of [14C]phorate by C3 and C4 plants. Anderegg BN, et al. **J Agric Food Chem** 1981 Jul–Aug; 29(4):733–8

Effects of lung inflation on alveolar epithelial solute and water transport properties. Kim KJ, et al. **J Appl Physiol** 1982 Jun;52(6):1498–505

Additives to biological substances. II. Relative stabilities of some carbohydrate additives at and around neutral pH values in phosphate buffers and water. Tarelli E, et al. **J Biol Stand** 1982 Apr;10(2):95–103

Diffusional water permeability of human erythrocytes and their ghosts. Brahm J. **J Gen Physiol** 1982 May; 79(5):791–819

Gallbladder epithelial cell hydraulic water permeability and volume regulation. Persson BE, et al. **J Gen Physiol** 1982 Mar;79(3):481–505

Free water reabsorption during saline diuresis in experimental enterococcal pyelonephritis in rats. Levison SP, et al. **J Lab Clin Med** 1982 Apr;99(4):474–80

Alterations in renal tubular water transport induced by parathyroid hormone: evidence for both antidiuretic hormone-mediated and independent effects. Winaver J, et al. **J Lab Clin Med** 1982 Apr;99(4):457–73

Time dependence of the effect of p-chloromercuribenzoate on erythrocyte water permeability: a pulsed nuclear magnetic resonance study. Ashley DL, et al. **J Membr Biol** 1981;61(3):199–207

Electrolytes control flows of water across the apical barrier in toad skin: the hydrosmotic salt effect. Benedictis EM, et al. **J Membr Biol** 1982;67(2):125–35

3HOH-osmotic water fluxes and ultrastructure of an epithelial syncytium. Brodie DA, et al. **J Membr Biol** 1981; 61(2):107–14

Osmosis in epithelial membranes [letter] Durpin RP. **J Membr Biol** 1981;61(2):141–2

Barriers to water flow in vasopressin-treated toad urinary bladder. Levine SD, et al. **J Membr Biol** 1981;61(2):135–9

Effect of monensin on osmotic water flow across the toad bladder and its stimulation by vasopressin and cyclic AMP. Mendoza SA, et al. **J Membr Biol** 1982;67(2):99–102

Hydration and percutaneous absorption II: Influence of hydration on water and alkanol permeation through Swiss mouse skin; comparison with hairless mouse. Behl CR, et al. **J Pharm Sci** 1981 Nov;70(11):1212–5

Hydration and percutaneous absorption III: Influences of stripping and scalding on hydration alteration of the permeability of hairless mouse skin to water and n-alkanols. Behl CR, et al. **J Pharm Sci** 1982 Feb;71(2):229–34

The effect of pregnancy on glomerular filtration rate and salt and water reabsorption in the rat. Atherton JC, et al. **J Physiol (Lond)** 1981;319:153–64

Effect of calcium and phosphate on bicarbonate and fluid transport by proximal tubules in vitro. McKinney TD, et al. **Kidney Int** 1982 Mar;21(3):433–8

Renal handling of water and sodium in infancy and childhood: a study using clearance methods during hypotonic saline diuresis. Rodriguez-Soriano J, et al. **Kidney Int** 1981 Dec;20(6):700–4

Essential fatty acid supplemented diet increases renal excretion of prostaglandin E2 and water in essential fatty acid deficient rats. Hansen HS. **Lipids** 1981 Nov; 16(11):849–54

Transport of electrolytes and water in the upper jejunum of the fowl in vivo perfusion. Nys Y, et al. **Pflugers Arch** 1982 Jan;392(3):251–6

Effect of hydrostatic pressure on ADH induced osmotic water flow in toad bladder. Rosenbaum B, et al. **Pflugers Arch** 1982 May;393(3):243–7

Influence of hypertonic bolus injection on capillary transport of water, urea and albumin in dog lung. Theven D, et al. **Pflugers Arch** 1982 Feb;392(4):388–93

Fluid transport across retinal pigment epithelium is inhibited by cyclic AMP. Miller SS, et al. **Proc Natl Acad Sci USA** 1982 Mar;79(6):2111–5

Accumulation and retention of tritium (tritiated water) in Rhodopseudomonas spheroides under aerobic condition. Inomata T, et al. **Radiat Environ Biophs** 1982;20(2):123–36

Effects of glipizide on water and electrolyte handling in water-loaded humans. Preuss HG, et al. **Renal Physiol** 1981;4(4):173–9

In vivo O2 and water vapor permeability of the hen's eggshell during early development. Ackerman RA, et al. **Respir Physiol** 1981 Jul;45(1):1–8

Effects of pentoxifylline and various methylxanthine derivatives on transepithelial water permeability of frog urinary bladder. Favard P, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:305–8

Sorbin, a peptide contained in porcine upper small intestine which induces the absorption of water and sodium in the rat duodenum. Fansu D, et al. **Scand J Gastroenterol** 1981; 16(2):193–9

The effect of abnormal hemoglobins on the membrane regulation of cell hydration. Clark MR, et al. **Tex Rep Biol Med** 1980–81;40:417–29 (94 ref.)

The effect of antidiuretic hormone on faecal water excretion in sheep. Nicholson T. **Zentralbl Veterinarmed [A]** 1981; 28(7):547–51

[The role of the colon in the absorption of water and electrolytes. Pathogenesis of diarrhea] Debongnie JC. **Gastroenterol Clin Biol** 1981;5(8–9):747–57 (Fre)

[Water uptake of dermatoglyphic skin (author's transl)] Weber W. **Z Rechtsmed** 1982;88(3):185–93 (Eng. Abstr.) (Ger)

[Studies on water flow and dextran penetration through the sclera in vitro (author's transl)] Ohara K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1243–7 (Eng. Abstr.) (Jpn)

[Renal tubular sodium and water excretion in the recovery stage of acute tubular necrosis (author's transl)] Mizumura Y, et al. **Nippon Jinzo Gakkai Shi** 1981 Nov;23(11):1415–9 (Eng. Abstr.) (Jpn)

[Possible mechanism of the process of water crystallization in plant tissues] Bakradze NG, et al. **Biofizika** 1981 Jul–Aug;26(4):719–23 (Eng. Abstr.) (Rus)

[Mechanism of auto-oscillations of water metabolism in plants] Karmanov VG, et al. **Biofizika** 1982 Jan–Feb; 27(1):144–9 (Eng. Abstr.) (Rus)

[Use of the proton magnetic relaxation technic in the study of experimental burns] Veksler VS, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):670–2 (Eng. Abstr.) (Rus)

[Role of the localization of ionophore A-23187 action on plasma membranes in altering epithelial permeability for water] Natochin IuV, et al. **Dokl Akad Nauk SSSR** 1981; 259(5):1273–6 (Rus)

[Effect of mineral water from Spring No. 4 of Morshin health resort on water metabolism and diuretic function of the kidneys in laboratory animals] Esipenko BE, et al. **Fiziol Zh** 1982 May;28(3):348–52 (Eng. Abstr.) (Rus)

[Action of angiotensin II on fluid transport in isolated rat colon and in culture media without chloride] Manteca A, et al. **Rev Esp Fisiol** 1981 Sep;37(3):365–6 (Spa)

PHARMACODYNAMICS

Ultrastructural changes in the calcium-sensitive (PAS-positive) cells of the pars intermedia of eels kept in deionized water and in normal and concentrated sea water. Olivereau M, et al. **Cell Tissue Res** 1981;219(1):9–26

Plasma arginine vasotocin concentrations in the lizard Varanus gouldii (Gray) following water loading, salt loading, and dehydration. Rice GE. **Gen Comp Endocrinol** 1982 May;47(1):1–6

Force-velocity relation in deuterium oxide-treated frog single muscle fibres during the rise of tension in an isometric tetanus. Cecchi G, et al. **J Physiol (Lond)** 1981 Aug; 317:207–21

Irrigation during vasectomy: a comparison between sterile water and the spermicide euflavine. Gandrup P, et al. **J Urol** 1982 Jan;127(1):60–1

Effect of maternal triglyceride ingestion on fetal respiratory movements. Neldam S, et al. **Obstet Gynecol** 1982 May; 59(5):641–2

Water as entrainer of circadian running activity in rat. Dhume RA, et al. **Physiol Behav** 1982 Mar;28(3):431–6

Tastes of fifteen halide salts following water and NaCl: anion and cation effects. Murphy C, et al. **Physiol Behav** 1981 Jun;26(6):1083–95

Effect of acute water loading on urinary excretion of prostaglandin E in hypertensive patients. Sato M, et al. **Prostaglandins Leukotrienes Med** 1982 May;8(5):517–24

Alteration in thermal sensitivity of chinese hamster cells by D2O treatment. Azzam EI, et al. **Radiat Res** 1982 Jun; 90(3):644–8

[Solubility of carbonyl-conjugated pentaenes in organic solvents and the effect of water] Schultz H, et al. **Antibiotiki** 1982 Jan;27(1):11–5 (Rus)

[Hygienic evaluation of the effect of mine waters on the microclimate and air dust content in the underground mining of refractory clays] Fishman BB. **Gig Sanit** 1981 Sep;(9):74–6 (Rus)

[Effect of water of varying hardness on the cardiovascular system] Levin AI, et al. **Gig Sanit** 1981 Oct;(10):16–9 (Eng. Abstr.) (Rus)

[Toxicologic and hygienic studies of water regenerated from oxidant-containing released moisture] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981;15(3):56–9 (Eng. Abstr.) (Rus)

[Changes in the colloidal properties of a water-barium suspension as affected by egg yolk] Tusupbekov ST, et al. **Vestn Rentgenol Radiol** 1981 Jul–Aug;(4):19–22 (Eng. Abstr.) (Rus)

PHYSIOLOGY

Reversible compression of cytoplasm. Albrecht-Buehler G, et al. **Exp Cell Res** 1982 Jul;140(1):173–89

Determination of body fluid compartments by impedance measurements: differences in the repartition of water between Duchenne muscular dystrophy and some neurological diseases. Souweine G, et al. **J Neurol** 1981; 226(3):199–203

RADIATION EFFECTS

Spin trapping of reactive uracilyl radicals produced by ionizing radiation in aqueous solutions. Hedrick WR, et al. **Int J Radiat Biol** 1982 Apr;41(4):435–42

WATER DEPRIVATION

The effect of fluid deprivation, antidiuretic hormone and forced fluid intake on 51-Cr-EDTA clearance. Askergren A, et al. **Acta Med Scand** 1981;210(5):377–80

Water deprivation in agisted cattle [letter] Riffkin GG, et al. **Aust Vet J** 1981 Nov;57(11):532–3

A case of presumptive salt poisoning (water deprivation) in veal calves. Pearson EG, et al. **Cornell Vet** 1982 Apr; 72(2):142–9

Verney was right, but... [editorial] Stern P, et al.

N Engl J Med 1981 Dec 24;305(26):1581-2

A comparison of plasma vasopressin measurements with a standard indirect test in the differential diagnosis of polyuria. Zerbe RL, et al. **N Engl J Med** 1981 Dec 24; 305(26):1539-46

Absolute and relative consumption space. Rachlin H. **Nebr Symp Motiv** 1982;29:129-67 (34 ref.)

Intracerebral administration of naloxone and drinking in water-deprived rats. Siviy SM, et al. **Pharmacol Biochem Behav** 1981 Aug;15(2):257-62

Electroconvulsive shock and water deprivation: effects on drinking behavior and locomotor activity in rats. Dokla CP, et al. **Physiol Behav** 1981 Aug;27(2):231-6

Water deprivation and SNGFR distribution in species of rodents with extremely different water regimen. Dlouhá H, et al. **Physiol Bohemoslov** 1982;31(1):95-6

Effect of feed and water deprivation on organ and blood characteristics of young turkeys. Augustine PC. **Poult Sci** 1982 Apr;61(4):796-9

The effects of single doses of alkali metal cations on deprivation-induced fluid consumption by rats. Maickel RP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Dec; 34(3):493-502

[The effect of preoperative food and fluid restrictions on various metabolic parameters in geriatric patients] Knoche E, et al. **Infusionsther Klin Ernahr** 1981 Oct;8(5):224-32 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Effects of orchidectomy and sex steroids on vasopressin response to dehydration. Valiquette G, et al. **Acta Endocrinol (Copenh)** 1982 Apr;99(4):493-9

Renal and endocrine response to water deprivation in dog. Zucker A, et al. **Am J Physiol** 1982 Mar;242(3):R296-302

Influences of sequences of environmental factors on the response of chickens to fasting and to Staphylococcus aureus infection. Gross WB, et al. **Am J Vet Res** 1982 Jan; 43(1):137-9

Urinary production in the healthy horse and in horses deprived of feed and water. Rumbaugh GE, et al. **Am J Vet Res** 1982 Apr;43(4):735-7

Effect of 24-hour food-and-water deprivation on biochemical variables in blood. Horne T, et al. **Isr J Med Sci** 1982 May;18(5):591-5

Effect of dehydration on hypothalamic control of evaporation in the cat. Baker MA, et al. **J Physiol (Lond)** 1982 Jan;322:457-68

Specific benzodiazepine antagonist RO15-1788 and thirst-induced drinking in the rat. Cooper SJ. **Neuropharmacology** 1982 May;21(5):483-6

Effect of feed or water restriction on basal and TRH-stimulated growth hormone secretion in the growing turkey poult. Proudman JA, et al. **Poult Sci** 1981 Mar; 60(3):659-67

Influence of water deprivation on water consumption, growth, and carcass characteristics of ducks. Veltmann JR Jr, et al. **Poult Sci** 1981 Mar;60(3):637-42

Fluid and electrolyte excretion in sheep: comparison of the effect of reduced food and water intake with oestrus. Michell AR. **Q J Exp Physiol** 1981 Oct;66(4):515-24

[Does water restriction affect the amylase and creatinine clearance ratio in normal control subjects?] Witterwulghe M. **Agressologie** 1981;22(4):159-61 (Eng. Abstr.) **(Fre)**

WATER-ELECTROLYTE BALANCE

see related
FLUID THERAPY
OSMOLAR CONCENTRATION
WATER INTOXICATION

Fluid and electrolyte management of the adult surgical patient. Rando JT. **AANA J** 1982 Feb;50(1):49-54

Mineralocorticoid escape in man: role of renal prostaglandins. Dürr J, et al. **Acta Endocrinol (Copenh)** 1982 Mar; 99(3):474-80

Effect of phototherapy on neonatal fluid and electrolyte status. Tan KL, et al. **Acta Paediatr Acad Sci Hung** 1981; 22(3):187-94

Influence of ventilation on response to fluid load in dogs: body water and albumin distribution. Marshall BE, et al. **Anesthesiology** 1982 Aug;57(2):103-10

Salt appetite and intravascular volume depletion following colloid dialysis in hamsters. Fitts DA, et al. **Behav Neural Biol** 1982 Jan;34(1):75-88

The physical state of osmoregulatory solutes in unicellular algae. A natural-abundance carbon-13 nuclear-magnetic-resonance relaxation study. Norton RS, et al. **Biochem J** 1982 Mar 15;202(3):699-706

Intracranial osmoreceptors control evaporation in the heat-stressed cat. Doris PA, et al. **Brain Res** 1982 May 13;239(2):644-8

Osmoregulatory thirst in sheep is disrupted by ablation of the anterior wall of the optic recess. McKinley MJ, et al. **Brain Res** 1982 Mar 18;236(1):210-5

The efferent projections of the subfornical organ of the rat: a circumventricular organ within a neural network subserving water balance. Miselis RR. **Brain Res** 1981 Dec 28;230(1-2):1-23

Spinal afferents for peripheral osmoreceptors in the rat. Vallet PG, et al. **Brain Res** 1982 May 6;239(1):271-4

Calcium-sensitive cells of the pars intermedia and osmotic balance in the eel. I. Responses to changes in the environmental calcium and magnesium. Olivereau M, et al. **Cell Tissue Res** 1982;222(2):231-41

Metabolic acidosis and changes in water and electrolyte balance after maximal exercise. Sejersted OM, et al. **Ciba Found Symp** 1982;87:153-67

Fluid, electrolyte, and glucose maintenance in the very low birth weight infant. Baumgart S, et al. **Clin Pediatr (Phila)** 1982 Apr;21(4):199-206

Sodium balance, fluid homeostasis and the renin-aldosterone system during the prolonged exercise of hill walking. Milledge JS, et al. **Clin Sci** 1982 Jun;62(6):595-604

Hypertension in the elderly: haemodynamic, fluid volume and endocrine findings. Messerli FH, et al. **Clin Sci [Suppl]** 1981 Dec;61(7):393s-394s

The osmoregulatory system of birds with salt glands. Simon E. **Comp Biochem Physiol [A]** 1982;71(4):547-56 (61 ref.)

Renin-angiotensin system and osmoregulation in the terrestrial chelonian Testudo hermanni Gmelin. Uva B, et al. **Comp Biochem Physiol [A]** 1982;71(3):449-51

In vivo changes in the activity of gill ATPases and haemolymph ions of Carcinus maenas exposed to p,p'-DDT and reduced salinities. Jowett PE, et al. **Comp Biochem Physiol [C]** 1981;69(2):339-402

The hypothermic hamster brain: its water and electrolyte content and perfusion. Tempel GE, et al. **Cryobiology** 1981 Dec;18(6):585-91

Feeding augments canine jejunal absorption via a hormonal mechanism. Sarr MG, et al. **Dig Dis Sci** 1981 Nov; 26(11):961-5

Vascular volume changes during cycling and stepping in women at two hydration levels. Gaebelein CJ, et al. **Eur J Applied Physiol** 1982;48(1):1-10

Fluid control mechanisms after exercise dehydration. Kirsch KA, et al. **Eur J Applied Physiol** 1981;47(2):191-6

Thermogenic drinking: mediation by osmoreceptor and angiotensin II pathways. Fregly MJ. **Fed Proc** 1982 Jul; 41(9):2515-9

Dehydration and fluid balance: central effects of angiotensin. Phillips MI, et al. **Fed Proc** 1982 Jul;41(9):2520-7

Pancreatectomy in the eel: osmoregulation effects. Epple A, et al. **Gen Comp Endocrinol** 1981 Dec;45(4):453-7

Unstable osmoreceptors and defective thirst in hypothalamic hypopituitarism. Hochberg Z, et al. **Horm Res** 1981; 14(4):215-23

In vivo and in vitro alterations of active and inactive plasma renins in the rat. Barrett JD, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):75-9

Relationship of vascular sodium-potassium pump activity to intracellular sodium in hypertensive rats. Brock TA, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):43-8

Neurohypophyseal response to dehydration in the spontaneously hypertensive rat. Morris M. **Hypertension** 1982 Jan-Feb;4(1):161-6

Altered neural control of cardiovascular function in sodium-depleted dogs. Takishita S, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):175-82

Muscle water and electrolyte distribution during prolonged exercise. Costill DL, et al. **Int J Sports Med** 1981 Aug; 2(3):130-4

Osmoregulation and interstitial fluid pressure changes in humans during water immersion. Khosla SS, et al. **J Appl Physiol** 1981 Sep;51(3):686-92

Brain and CSF water and ions in newborn puppies during acute hypo- and hypernatremia. Nattie EE, et al. **J Appl Physiol** 1981 Nov;51(5):1086-91

Orthostatic fluid-electrolyte and endocrine responses in fainters and nonfainters. Shvartz E, et al. **J Appl Physiol** 1981 Dec;51(6):1404-10

Golgi apparatus, GERL, and secretory granule formation within neurons of the hypothalamo-neurohypophysial system of control and hyperosmotically stressed mice. Broadwell RD, et al. **J Cell Biol** 1981 Aug;90(2):474-84

Age-related failure of volume-pressure-mediated vasopressin release. Rowe JW, et al. **J Clin Endocrinol Metab** 1982 Mar;54(3):661-4

Dehydration inhibits suckling behavior in weanling rats. Bruno JP, et al. **J Comp Physiol Psychol** 1982 Jun; 96(3):405-15

An evaluation of dipsogenic stimuli in the African green monkey. Wright JW, et al. **J Comp Physiol Psychol** 1982 Feb;96(1):78-88

Water-electrolyte balance in goldfish Carassius auratus, under constant and diurnally cycling temperature conditions. Houston AH, et al. **J Exp Biol** 1982 Apr; 97:427-40

Progressive processing of ingested water in the gut of sea-water teleosts. Kirsch R, et al. **J Exp Biol** 1982 Jun; 98:67-81

State of water and electrolytes in mammalian cells during maturation and differentiation. Hempling HG, et al. **J Exp Zool** 1981 Mar;215(3):259-76

Hydromineral balance in the chick embryo: effects of hypophysectomy. Murphy MJ, et al. **J Exp Zool** 1982 May 1;220(3):321-30

In vivo effects of enterotoxin from Clostridium perfringens type A in the rabbit colon: binding vs. biologic activity. McDonel JL, et al. **J Infect Dis** 1982 Apr;145(4):490-4

Water balance in very low-birth-weight infants: relationship to water and sodium intake and effect on outcome. Lorenz JM, et al. **J Pediatr** 1982 Sep;101(3):423-32

Daily water and electrolyte balance in chronically hyperprolactinaemic rats. Kaufman S, et al. **J Physiol (Lond)** 1981 Dec;321:11-9

Intracellular electrolyte composition following renal ischemia. Mason J, et al. **Kidney Int** 1981 Jul;20(1):61-70

Natriuretic hormone - a circulating inhibitor of sodium- and potassium-activated adenosine triphosphatase. Its potential role in body fluid and blood pressure regulation. Kramer HJ. **Klin Wochenschr** 1981 Nov 16;59(22):1225-30

Microvascular fluid and protein flux in pulmonary and systemic circulations after thermal injury. Harms BA, et al. **Microvasc Res** 1982 Jan;23(1):77-86

System analysis of vascular membrane water and protein transport: general method and application to canine hindquarters. Katz MA. **Microvasc Res** 1982 Jan; 23(1):31-55

Fluid spaces in canine bone and marrow. Morris MA, et al. **Microvasc Res** 1982 Mar;23(2):188-200

Direct demonstration of fluid secretion by glomerular renal tubules in a marine teleost. Beyenbach KW. **Nature** 1982 Sep 2;299(5878):54-6

Effect of an allozyme polymorphism on regulation of cell volume. Hilbish TJ, et al. **Nature** 1982 Aug 12; 298(5875):688-9

The supraoptic nucleus as an osmoreceptor. Leng G, et al. **Neuroendocrinology** 1982 Jan;34(1):75-82 (77 ref.)

Effect of intravenous and intracerebroventricular infusion of hypertonic solutions on plasma and cerebrospinal fluid vasopressin concentrations. Wang BC, et al. **Neuroendocrinology** 1982 Mar;34(3):215-21

Cell volume regulation in goldfish intestinal mucosa. Groot JA. **Pflugers Arch** 1981 Nov;392(1):57-66

Calculated changes in pH and pCO2 in arterial blood plasma assuming absence of ion and water exchange between plasma and erythrocytes during their equilibration with alveolar gas. Zock JP, et al. **Pflugers Arch** 1981 Aug; 391(2):159-61

Gastric vagotomy inhibits drinking after hypertonic saline. Jerome C, et al. **Physiol Behav** 1982 Feb;28(2):371-4

Chronic hypodipsia to intraperitoneal and subcutaneous hypertonic saline after vagotomy. Simansky KJ, et al. **Physiol Behav** 1982 Feb;28(2):367-70

Vertebrate osmoregulation. Phillips JG, et al. **Sci Prog** 1981 Autumn;67(267):335-56

Glycolipids in mammalian epidermis: structure and function in the water barrier. Wertz PW, et al. **Science** 1982 Sep 24;217(4566):1261-2

Living with water stress: evolution of osmolyte systems. Yancey PH, et al. **Science** 1982 Sep 24;217(4566):1214-22

Changes in the water and electrolyte pattern of the brain and of the intracranial pressure during development in rabbits. Lorenzo AV, et al. **Z Kinderchir** 1981 Dec; 34(4):410-5

[Recent advances of the investigations on regulation of body fluid (author's transl)] Yang K. **Sheng Li Ko Hsueh Chin Chan** 1981 Oct 25;12(4):295-300 (36 ref.) **(Chi)**

[Changes in water-electrolyte balance after orthograde intestinal irrigation] Kujat R, et al. **Chirurg** 1981 Sep; 52(9):586-9 (Eng. Abstr.) **(Ger)**

[Disorders of water and electrolyte equilibrium in liver diseases. Part 1: Introduction (author's transl)] Kuntz E. **MMW** 1982 Apr 30;124(17):415-8 (Eng. Abstr.) **(Ger)**

[Water-, electrolyte- and acid-base equilibrium in the aged] Seybold D, et al. **Z Gerontol** 1981 Sep-Oct;14(5):370-81 (42 ref.) (Eng. Abstr.) **(Ger)**

[Study of factors affecting the renin-angiotensin-aldosterone system in the premature infant] Genova R, et al. **Pediatr Med Chir** 1982 Jan-Apr;4(1-2):49-53 (Eng. Abstr.) **(Ita)**

[The study on the blood and water balance after open heart surgery using extracorporeal circulation in infant under 12 months of age with ventricular septal defect (author's transl)] Irisawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jun;29(6):998-1004 (Eng. Abstr.) **(Jpn)**

[Analysis of sodium balance] Nagasaka M. **Nippon Rinsho** 1982;40(3):548-59 **(Jpn)**

[Relationship between electrolyte balance and the function of the renin- angiotensin-aldosterone system in fetuses and neonates (author's transl)] Yamaguchi N. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Dec; 33(12):2153-62 (Eng. Abstr.) **(Jpn)**

[Evaluation of the water-electrolyte balance (erythrocyte model) in the course of endogenous depression (author's transl)] Rybakowski J, et al. **Psychiatr Pol** 1981 May-Jun; 15(3):243-9 (Eng. Abstr.) **(Pol)**

[Water-electrolyte balance in gastrectomy] Kunzle JE, et al. **AMB** 1981 Dec;27(12):351-6 (Eng. Abstr.) **(Por)**

[Assessment of the water balance and central hemodynamic status in the combined treatment of acute peritonitis] Malyshev VD, et al. **Anesteziol Reanimatol** 1982 Jan-Feb; (1):27-30 (Eng. Abstr.) **(Rus)**

[3-Dimensional model of the contribution of the vascular and tubular components of the osmoregulatory apparatus of the kidney] Proniaev VI. **Biull Eksp Biol Med** 1981 Aug; 92(8):114-6 (Eng. Abstr.) **(Rus)**

[Functional relations between digestive and excretory systems] Bakuradze AN. **Fiziol Zh SSSR** 1982 Apr; 68(4):446-54 (41 ref.) **(Rus)**

[Changes in water and electrolyte transport in the small intestine of rats as a result of natriuretic factor] Kosuba RB. **Fiziol Zh SSSR** 1981 Jul;67(7):1095-9 **(Rus)**

[Afferent and central mechanisms of the osmoregulating

reflex from the liver following hypothalamic deafferentation] Matveeva MB, et al. **Fiziol Zh SSSR** 1981 Aug;67(8):1251–7 (Eng. Abstr.) **(Rus)**

[Water–electrolyte and protein metabolism prolonged retrograde intubation of the small intestine in children] Troian VV. **Klin Khir** 1981 Jun;(6):69–70 **(Rus)**

[Ion–regulating function of the human kidneys during prolonged space flight and in simulation studies] Grigor'ev AI, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb; 16(1):29–33 (Eng. Abstr.) **(Rus)**

[Electrolyte, water and hexosamine content of animal tissue in hypothyroidism and thyrotoxicosis of different degrees of severity] Pronina NN, et al. **Probl Endokrinol (Mosk)** 1981 Jul–Aug;27(4):58–62 (Eng. Abstr.) **(Rus)**

[Renin–angiotensin–aldosterone system and water–electrolyte balance in Salmonella infection] Mishin Elu, et al. **Ter Arkh** 1982;54(2):17–20 (Eng. Abstr.) **(Rus)**

[Interaction of the ultrastructures of the central osmoregulation system in the mechanism of axoplasmic flow and transport] Zurnadzhi IuN. **Tsitol Genet** 1981 Jul–Aug;15(4):10–5 (Eng. Abstr.) **(Rus)**

[Disruption of renal osmoregulation in uremia] Grigor'ev EA. **Urol Nefrol (Mosk)** 1982 May–Jun;(3):44–8 (Eng. Abstr.) **(Rus)**

[Role of aldosterone in the regulation of water–salt balance in workers of hot shops of the metallurgical plants] Dorofeeva VI, et al. **Vrach Delo** 1981 Oct;(10):104–6 (Eng. Abstr.) **(Rus)**

[Effect of Morshin mineral water from the No. 6 spring on various indicators of the kidney function and water–electrolyte metabolism] Ivanov IuI, et al. **Vrach Delo** 1981 Oct;(10):49–51 **(Rus)**

[Water–salt metabolism in chronic leukemia patients undergoing the bloodless methods of volume stimulation] Kravchenko VA, et al. **Vrach Delo** 1981 Dec;(12):88–90 (Eng. Abstr.) **(Rus)**

[Maintenance of nutritive and electrolyte balance in gastrointestinal fistulas] Simić D, et al. **Med Arh** 1981; 35(4):217–9 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Influence of mannitol–induced reduction in CSF Na on nervous and endocrine mechanisms involved in the control of fluid balance. Leksell LG, et al. **Acta Physiol Scand** 1981 May;112(1):33–40

Effect of infused captopril on blood pressure and the renin–angiotensin–aldosterone system in normal dogs subjected to varying sodium balance. Morton JJ, et al. **Am J Cardiol** 1982 Apr 21;49(6):1395–400

Effect of ethanol ingestion on plasma vasopressin and water balance in humans. Eisenhofer G, et al. **Am J Physiol** 1982 May;242(5):R522–7

Multiple sites for interaction of prostaglandin and vasopressin in toad urinary bladder. Schlondorff D, et al. **Am J Physiol** 1981 Dec;241(6):F625–31

Lithium and the kidney: a review. Ramsey TA, et al. **Am J Psychiatry** 1982 Apr;139(4):443–9

Effect of intracerebroventricular injection of nicotine and acetylcholine on renal water and salt excretion in conscious goats. Vandeputte–Van Messom G. **Arch Int Pharmacodyn Ther** 1981 Sep;253(1):52–67

Effect of somatostatin on diarrhea and on small intestinal water and electrolyte transport in a patient with pancreatic cholera. Ruskoné A, et al. **Dig Dis Sci** 1982 May; 27(5):459–66

Study of the possible interactions of indoprofen on the diuretic effect of furosemide. Passeri M, et al. **Eur J Rheumatol Inflamm** 1981;4(1):36–40

Effect of lithium ingestion on water and electrolyte transport in rat intestine. Feldman GM, et al. **Gastroenterology** 1981 Nov;81(5):892–7

Monoaminergic innervation of the caudal neurosecretory system of the brook trout Salvelinus fontinalis in relation to osmotic stimulation. Audet C, et al. **Gen Comp Endocrinol** 1981 Oct;45(2):189–203

In vivo and in vitro alterations of active and inactive plasma renins in the rat. Barrett JD, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):75–9

Effects of chronic intracerebroventricular infusion of angiotensin II on arterial pressure and fluid homeostasis. Fink GD, et al. **Hypertension** 1982 Mar–Apr;4(2):312–9

Aldosterone infusion into the rat and dose–dependent changes in blood pressure and arterial ionic transport. Garwitz ET, et al. **Hypertension** 1982 May–Jun;4(3):374–81

Norepinephrine sensitivity and membrane potentials of caudal arterial muscle in DOCA–salt, Dahl, and SHR hypertension in rat. Hermsmeyer K, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):49–51

Salt sensitivity of blood pressure in chronic renal failure. Evidence for renal control of body fluid distribution in man. Koomans HA, et al. **Hypertension** 1982 Mar–Apr; 4(2):190–7

Urinary kallikrein activity, renal hemodynamics, and electrolyte handling during chronic beta blockade with propranolol in hypertension. O'Connor DT, et al. **Hypertension** 1982 Sep–Oct;4(5):742–9

Alterations in osmotic but not pressor responses to ACTH by optic recess lesions in sheep. Scoggins BA, et al. **Hypertension** 1982 May–Jun;4(3 Pt 2):154–8

Lung fluid balance after pulmonary embolization: effects of thrombin vs. fibrin aggregates. Johnson A, et al. **J Appl Physiol** 1982 Jun;52(6):1565–70

Effects of indomethacin and carprofen on renal homeostasis in rheumatoid arthritis patients and in healthy individuals. Williams RL, et al. **J Clin Pharmacol** 1981 Nov–Dec; 21(11–12 Pt 1):493–500

Effects of bicarbonate on fluid and electrolyte transport by guinea pig and rabbit gallbladder: stimulation of absorption. Heintze K, et al. **J Membr Biol** 1981;62(3):175–81

Effects of catecholamines on electrolyte transport in cortical collecting tubule. Iino Y, et al. **J Membr Biol** 1981; 61(2):67–73

Stimulation of gallbladder fluid and electrolyte absorption by butyrate. Petersen KU, et al. **J Membr Biol** 1981; 62(3):183–93

The effects of captopril on blood pressure and fluid and electrolyte balance in rats made hypertensive by isolation. Gardiner SM, et al. **J Pharm Pharmacol** 1982 Mar; 34(3):188–90

The effects of chronic administration of naltrexone on appetite and water exchange in rats. Lang IM, et al. **Pharmacol Biochem Behav** 1982 Jun;16(6):909–13

Elevated arterial pressure, vascular wall 'waterlogging,' and impaired cardiac growth in rats chronically receiving digoxin. Overbeck HW. **Proc Soc Exp Biol Med** 1981 Sep; 167(4):506–13

Effects of glipizide on water and electrolyte handling in water–loaded humans. Preuss HG, et al. **Renal Physiol** 1981;4(4):173–9

Epithelial cell volume regulation: bicarbonate dependence. Fisher RS, et al. **Science** 1981 Dec 18;214(4527):1357–9

[Long term therapy of essential hypertension with indapamide: studies on the effect on electrolyte balance and glucose metabolism] Zorn J. **Fortschr Med** 1980 Dec 11;98(46):1836–40 **(Ger)**

[Nephrological aspects of diuretic therapy] Rawer P, et al. **Med Welt** 1982 Jan 29;33(4):117–20 **(Ger)**

[Effect of thyroid hormones on various indices of water–electrolyte and kidney function in rats] Mostovoi VS. **Fiziol Zh** 1981 Nov–Dec;27(6):826–9 **(Rus)**

[Effect of nitroglycerin on the absorption of glucose, salts and water in the human jejunum] Parfenov AI. **Klin Med (Mosk)** 1981 Jun;59(6):96–8 (Eng. Abstr.) **(Rus)**

[Effect of non–steroid anti–inflammatory agents—indomethacin and brufen—on water–salt metabolism] Kutirina IM, et al. **Ter Arkh** 1981;53(6):40–5 (Eng. Abstr.) **(Rus)**

[Effect of mannitol on oxygen consumption of the renal cortex of rats] Barac–Nieto M, et al. **Acta Physiol Lat Am** 1978;28(1):3–11 (Eng. Abstr.) **(Spa)**

WATER–ELECTROLYTE IMBALANCE

Nutrition classics. Federation Proceedings, volume 23, 1964. Water and electrolyte losses in cholera by R.A. Phillips. **Nutr Rev** 1982 Apr;40(4):113–5

[Comparative study of 3 types of hydration in patients subjected to elective surgery] Piccinato CE, et al. **AMB** 1981 Mar;27(3):83–90 (Eng. Abstr.) **(Por)**

BLOOD

Rapid computer prediction of total body water in fluid overload. Schloerb PR, et al. **J Trauma** 1981 Sep; 21(9):757–61

[Electrolyte trace elements] Zumkley H. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1633–55 **(Ger)**

CHEMICALLY INDUCED

The assessment of sodium load inflicted by intravenous antibiotics. De Mey C, et al. **Acta Clin Belg** 1981; 36(4):185–90

Case study: drug–induced electrolyte changes. Weishar C. **Am J Med Technol** 1982 May;48(5):339–41

Renal and electrolyte disturbances associated with cisplatin. Blachley JD, et al. **Ann Intern Med** 1981 Nov;95(5):628–32 (37 ref.)

Lithium treatment and preoperative fluid deprivation. Schou M. **Br Med J [Clin Res]** 1981 Nov 7;283(6301):1253

Electrolyte abnormalities as a complication of drug therapy. Lespier–Dexter LE. **Contrib Nephrol** 1981;27:45–53 (44 ref.)

Iatrogenic hyperphosphatemia: a metabolic consideration in critical care medicine. Chernow B, et al. **Crit Care Med** 1981 Nov;9(11):772–4

Electrolyte abnormalities following povidone—iodine topical therapy. Bayliff CD, et al. **Drug Intell Clin Pharm** 1981 Oct;15(10):801–2

Iatrogenic hyperosmolality in a neonate. A case report. van der Westhuyzen JH, et al. **S Afr Med J** 1981 Dec 26; 60(26):996–8

[Renal insufficiency and hydroelectrolytic disorders of diuretic treatments (author's transl)] Baguet JC, et al. **Therapie** 1981 May–Jun;36(3):359–64 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Medical complications of cardiopulmonary arrest. Bjork RJ, et al. **Arch Intern Med** 1982 Mar;142(3):500–3

[Acid–base imbalance due to water–electrolyte imbalance] Sudo M, et al. **Nippon Rinsho** 1981 Nov;39(11):3452–8 **(Jpn)**

DIAGNOSIS

Neuromuscular manifestations of electrolyte disorders. Knochel JP. **Am J Med** 1982 Mar;72(3):521–35 (90 ref.)

Diagnostic strategies in disorders of fluid, electrolyte and acid–base homeostasis. Narins RG, et al. **Am J Med** 1982 Mar;72(3):496–520 (68 ref.)

ECG diagnostic pearls and pitfalls. 3. Drug and electrolyte effects. Scheinman MM, et al. **Postgrad Med** 1981 Nov; 70(5):145–51

[Radioimmunoassay of plasma and urine arginine–vasopressin in the diagnosis of water and osmotic balance disorders (author's transl)] Horký K, et al. **Cas Lek Cesk** 1981 Nov 12;120(45):1365–71 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Effects of drugs on water metabolism. Lee MR. **Br J Clin Pharmacol** 1981 Sep;12(3):289–93

[Disorders of water and electrolyte equilibrium in liver diseases. Part 3: therapy (author's transl)] Kuntz E. **MMW** 1982 May 14;124(19):465–7 (Eng. Abstr.) **(Ger)**

[Clinical use of bumetanide] Pellerito R, et al. **Clin Ter** 1981 Sep 30;98(6):651–60 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Disorders of body fluids, sodium and potassium in chronic renal failure. Mitch WE, et al. **Am J Med** 1982 Mar; 72(3):536–50 (126 ref.)

A severe case of hyperemesis gravidarum. Chatwani A, et al. **Am J Obstet Gynecol** 1982 Aug 15;143(8):964–5

Hypoelectrolytemia as a presentation and complication of cystic fibrosis. Ruddy R, et al. **Clin Pediatr (Phila)** 1982 Jun;21(6):367–9

Altered osmotic threshold for vasopressin release and impaired thirst sensation: additional abnormalities in Kallmann's syndrome. Hochberg Z, et al. **J Clin Endocrinol Metab** 1982 Oct;55(4):779–82

Acid–base & electrolytes, practical applications. Wong HB. **J Singapore Paediatr Soc** 1981;23(1–2):1–15

[Water–electrolyte balance after extracorporeal circulation in normothermia and hypothermia] Estanove S, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep;27(3):387–93 (38 ref.) **(Fre)**

[Disorders of electrolyte balance and metabolism in hormone–secreting bronchial cancer] Holländer E, et al. **Z Gesamte Inn Med** 1982 Feb 15;37(4):116–20 (Eng. Abstr.) **(Ger)**

[Water–electrolyte balance disorders in patients with hemolymphopathies. Notes on physiopathology and therapy] De Ritis G, et al. **Clin Ter** 1981 Dec 15; 99(5):531–54 (167 ref.) (Eng. Abstr.) **(Ita)**

[Water–salt balance in acute myocardial infarct] Fazzini PF, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep; 27(3):467–73 (Eng. Abstr.) **(Ita)**

[Metabolic and nutritional problems in heart surgery in children] Zuccaro GM, et al. **Minerva Dietol Gastroenterol** 1981 Jul–Sep;27(3):423–32 **(Ita)**

[Disorders of water and electrolyte metabolism in proteinuric nephropathies] D'Angelo A, et al. **Minerva Nefrol** 1981 Jul–Sep;28(3):367–72 **(Ita)**

[Electrolyte balance and kidney diseases] Kitaoka T, et al. **Rinsho Byori** 1982 Mar;Suppl 49:121–9 **(Jpn)**

[Disorders of water–salt metabolism in chronic diffuse liver diseases] Vasil'eva LN. **Ter Arkh** 1981;53(10):141–7 (92 ref.) **(Rus)**

[Hypotension and cramps in hemodialysis. Role of osmolarity changes and their treatment with mannitol] Plaza JJ, et al. **Rev Clin Esp** 1981 May 31;161(4):227–32 (Eng. Abstr.) **(Spa)**

[Modification of osmolality with I.V. mannitol and/or high glucose concentration in the bath during hemodialysis (author's transl)] Munzenmayer J, et al. **Rev Med Chil** 1981 Dec;109(12):1177–84 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Disorders of electrolyte absorption. Milla PJ. **Clin Gastroenterol** 1982 Jan;11(1):31–46 (48 ref.)

METABOLISM

Fluid–electrolyte and acid–base disorders in children. Chan JC. **Curr Probl Pediatr** 1981 Aug;11(10):1–55

[Transsphenoidal microneurosurgery. Part 2, Postoperative pattern and management of sodium–water metabolism (author's transl)] Oi S, et al. **Neurol Med Chir (Tokyo)** 1980 Nov;20(11):1141–9 (Eng. Abstr.) **(Jpn)**

[Water–electrolyte metabolic disorders in the acute stage of stroke] Lebedev AA. **Sov Med** 1982;(2):97–100 **(Rus)**

PHYSIOPATHOLOGY

Neurogenic disorders of osmoregulation. Robertson GL, et al. **Am J Med** 1982 Feb;72(2):339–53 (110 ref.)

Thirst and its disorders. Andersson B, et al. **Annu Rev Med** 1982;33:231–9

[Physiological analysis of food motivation in experimentally induced water–salt imbalance] Batuev AS, et al. **Fiziol Zh SSSR** 1982 Feb;68(2):229–34 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Regulation of intravascular volume in acute myocardial infarct. Physiopathological and clinical aspects] Pinna Pintor P, et al. **Minerva Dietol Gastroenterol** 1981 Jul-Sep; 27(3):475-86 (56 ref.) **(Ita)**

THERAPY

Treatment of undernutrition and electrolyte disturbances in anorexia nervosa. Lefebvre J. **Acta Psychiatr Belg** 1980 Jul-Aug;80(4):551-6

The management of fluid and electrolyte disorders in the neonate. Nash MA. **Clin Perinatol** 1981 Jun;8(2):251-62

Maintenance fluids and the management of diarrheal dehydration. Boineau FG, et al. **Pediatr Ann** 1981 Aug; 10(8):280-8

[Differential indications for different procedures for the correction of water electrolyte balance] Wizemann V. **Med Welt** 1981 Sep 25;32(39):1444-7 **(Ger)**

[Correction of electrolyte and protein metabolism in postoperative peritonitis patients] Dudenko FI. **Khirurgiia (Mosk)** 1982 Apr;(4):82-5 **(Rus)**

VETERINARY

Acid-base and electrolyte disturbances in dogs with gastric dilatation-volvulus. Muir WW. **J Am Vet Med Assoc** 1982 Aug 1;181(3):229-31

WATER INTOXICATION

see related
WATER-ELECTROLYTE BALANCE

CHEMICALLY INDUCED

Water intoxication and oxytocin [editorial] Feeney JG. **Br Med J [Clin Res]** 1982 Jul 24;285(6337):243

[Water intoxication attributed to haloperidol (letter)] Chamontin B, et al. **Nouv Presse Med** 1981 Nov 28; 10(43):3571-2 **(Fre)**

COMPLICATIONS

[Angina pectoris — an early sign of water intoxication during transurethral prostatectomy (author's transl)] Van Aken H, et al. **Anaesthesist** 1982 May;31(5):255-6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Water intoxication from fluphenazine therapy. Nardelli E, et al. **Ital J Neurol Sci** 1980 Jun;1(3):193-6

Water intoxication in normal infants: role of antidiuretic hormone in pathogenesis. David R, et al. **Pediatrics** 1981 Sep;68(3):349-53

[Toxicological and hygienic aspects of increasing the efficiency of the afterpurification of the water regenerated from urine] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981 Nov-Dec;15(6):51-4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Experimental evaluation of the toxicity of the hydro-aerosol of circulating waters] Pinigin MA, et al. **Gig Sanit** 1981 Jul;(7):7-9 (Eng. Abstr.) **(Rus)**

[Toxicologic and hygienic studies of water regenerated from oxidant-containing released moisture] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981;15(3):56-9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Demeclocycline in the prophylaxis of self-induced water intoxication. Nixon RA, et al. **Am J Psychiatry** 1982 Jun; 139(6):828-30

PSYCHOLOGY

[Water intoxication and schizophrenia] Koskinen T. **Duodecim** 1981;97(17):1420-2 **(Fin)**

THERAPY

[Water intoxication] Nielsen JD. **Lakartidningen** 1981 Sep 9;78(37):3162 (Eng. Abstr.) **(Swe)**

WATER LOSS, INSENSIBLE

Insensible water loss from the respiratory tract in patients with fever. Reithner L. **Acta Chir Scand** 1981;147(3):163-7

The structure of the skin of the capybara. Pereira JN, et al. **Acta Cient Venez** 1980;31(4):361-4

Reduction of skin water loss in the newborn. II. Clinical trial of two methods in very low birthweight babies. Brice JE, et al. **Arch Dis Child** 1981 Sep;56(9):673-5

Biobehavioral determinants of evaporative water loss in the rat. MacFarlane BA, et al. **Behav Neural Biol** 1981 Sep; 33(1):101-16

Intracranial osmoreceptors control evaporation in the heat-stressed cat. Doris PA, et al. **Brain Res** 1982 May 13;239(2):644-8

Porosity of human skin in vivo assessed via water loss, carbon dioxide loss and electrical impedance for healthy volunteers, atopic and psoriatic patients. de Jongh GJ. **Curr Probl Dermatol** 1981;9:83-101

Respiration in exercising fowl. II. Respiratory water loss and heat balance. Brackenbury JH, et al. **J Exp Biol** 1981 Aug; 93:327-32

Water loss and nitrogen excretion in sharp-nosed reed frogs (Hyperolius nasutus: anura, Hyperoliidae). Withers PC, et al. **J Exp Biol** 1982 Apr;97:335-43

Transepidermal water loss as a function of skin surface temperature. Mathias CG, et al. **J Invest Dermatol** 1981 Aug;77(2):219-20

Insensible weight loss measurements in newborn infants: possible overestimation with the Potter baby scale. Darnall RA Jr. **J Pediatr** 1981 Nov;99(5):794-7

Effects of forced convection of heated air on insensible water loss and heat loss in preterm infants in incubators. Okken A, et al. **J Pediatr** 1982 Jul;101(1):108-12

Transepidermal water loss in the infant surgical patient. Rowe MI, et al. **J Pediatr Surg** 1981 Dec;16(6):878-81

Evaporative weight loss estimation in the field [letter] Orr-Ewing AK, et al. **Lancet** 1982 Sep 11;2(8298):617

Heat exchange in the nose. Taylor M, et al. **Laryngoscope** 1981 Oct;91(10):1606-13

Radiant warmer power and body size as determinants of insensible water loss in the critically ill neonate. Baumgart S, et al. **Pediatr Res** 1981 Dec;15(12):1495-9

DRUG EFFECTS

Increased heat loss in ovariectomized hypothyroid rats treated with estradiol. Laudenslager ML, et al. **Am J Physiol** 1982 Jul;243(1):R70-6

Reduction of skin water loss in the newborn. I. Effect of applying topical agents. Rutter N, et al. **Arch Dis Child** 1981 Sep;56(9):669-72

Effects of topical application of fatty acids. Houtsmuller UM, et al. **Prog Lipid Res** 1981;20:219-24

RADIATION EFFECTS

Physiologic implications of two different heat shields for infants under radiant warmers. Baumgart S, et al. **J Pediatr** 1982 May;100(5):787-90

WATER MICROBIOLOGY

Is the colour of the mature aerial mycelium (spore mass) of streptomycetes a diagnostic key-character of decisive taxonomic importance? Sivonen K, et al. **Acta Microbiol Acad Sci Hung** 1981;28(4):401-5

Studies on psychrophilic bacteria in two lakes of different trophy. Stopiński M. **Acta Microbiol Pol** 1981;30(3):283-94

Removal of biogenic elements, polychlorinated diphenyls and heavy metals during the biological final treatment of waste-waters. Wéber K, et al. **Acta Microbiol Pol** 1981; 30(3):255-8

Isolation and characterization of Vibrio alginolyticus and Vibrio parahaemolyticus from the Norwegian coastal environment. Gjerde J, et al. **Acta Vet Scand** 1981; 22(3-4):331-43

Histopathology of marine vibrio wound infections. Beckman EN, et al. **Am J Clin Pathol** 1981 Dec;76(6):765-72

Swimming-associated gastroenteritis and water quality. Cabelli VJ, et al. **Am J Epidemiol** 1982 Apr;115(4):606-16

Norwalk-related viral gastroenteritis due to contaminated drinking water. Taylor JW, et al. **Am J Epidemiol** 1981 Oct;114(4):584-92

Waterborne gastroenteritis due to the Norwalk agent: clinical and epidemiologic investigation. Wilson R, et al. **Am J Public Health** 1982 Jan;72(1):72-4

Campylobacter enteritis in Iceland [letter] Steingrimsson O, et al. **Ann Intern Med** 1982 Aug;97(2):283-4

Campylobacter enteritis associated with contaminated water. Vogt RL, et al. **Ann Intern Med** 1982 Mar;96(3):292-6

Short-term variations of microbiological and physicochemical parameters in submersion water over a rice field. Baldensperger JF. **Ann Microbiol (Paris)** 1981 Jul-Aug;132B(1):101-22

Naegleria fowleri and heated aquatic environments: a possible mechanism. Delattre JM, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):441-52

Why microbial predators and parasites do not eliminate their prey and hosts. Alexander M. **Annu Rev Microbiol** 1981; 35:113-33 (74 ref.)

Yeasts in the intertidal sediments of a polluted estuary in Rio de Janeiro, Brazil. Hagler AN, et al. **Antonie Van Leeuwenhoek** 1982;48(1):53-6

Antibiotic-resistant bacteria in drinking water. Armstrong JL, et al. **Appl Environ Microbiol** 1981 Aug;42(2):277-83

Comparison of coliphage and bacterial aerosols at a wastewater spray irrigation site. Bausum HT, et al. **Appl Environ Microbiol** 1982 Jan;43(1):28-38

Isolation of Pittsburgh pneumonia agent from a hospital shower. Brown A, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):725-6

Source and extent of Klebsiella pneumoniae in the paper industry. Caplenas NR, et al. **Appl Environ Microbiol** 1981 Nov;42(5):779-85

Positively charged filters for virus recovery from wastewater treatment plant effluents. Chang LT, et al. **Appl Environ Microbiol** 1981 Nov;42(5):921-4

Comparison of methods for measurement of bacterial growth rates in mixed batch cultures. Christian RR, et al. **Appl Environ Microbiol** 1982 May;43(5):1160-5

Failure of Legionella pneumophila sensitivities to predict culture results from disinfectant-treated air-conditioning cooling towers. England AC 3d, et al. **Appl Environ Microbiol** 1982 Jan;43(1):240-4

Sediment bacterial indicators in an urban shellfishing subestuary of the lower Chesapeake Bay. Erkenbrecher CW Jr. **Appl Environ Microbiol** 1981 Sep;42(3):484-92

Fluorogenic assays for immediate confirmation of Escherichia coli. Feng PC, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1320-9

Evaluation of standard and modified M-FC, MacConkey, and Teepol media for membrane filtration counting of fecal coliforms in water. Grabow WO, et al. **Appl Environ Microbiol** 1981 Aug;42(2):152-9

Microbiological examination of sebeel water. Hammad ZH, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1238-43

Reduction of cytotoxicity in virus concentrates from environmental samples. Hejkal TW, et al. **Appl Environ Microbiol** 1982 Mar;43(3):731-3

Survival of Vibrio cholerae and Escherichia coli in estuarine waters and sediments. Hood MA, et al. **Appl Environ Microbiol** 1982 Mar;43(3):578-84

Survival of Escherichia coli in lake bottom sediment. LaLiberte P, et al. **Appl Environ Microbiol** 1982 Mar; 43(3):623-8

Influence of diluents, media, and membrane filters on detection fo injured waterborne coliform bacteria. McFeters GA, et al. **Appl Environ Microbiol** 1982 Jan; 43(1):97-103

Effects of kepone on growth and respiration of several estuarine bacteria. Mahaffey WR, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1419-24

Occurrence of Rhodococcus coprophilus and associated actinomycetes in feces, sewage, and freshwater. Mara DD, et al. **Appl Environ Microbiol** 1981 Dec;42(6):1037-42

Possible waterborne transmission and maintenance of influenza viruses in domestic ducks. Markwell DD, et al. **Appl Environ Microbiol** 1982 Jan;43(1):110-5

Prevalence of Yersinia enterocolitica in waters of the lower Chippewa River Basin, Wisconsin. Meadows CA, et al. **Appl Environ Microbiol** 1982 Apr;43(4):953-4

Coliform inhibition by bacteriocin-like substances in drinking water distribution systems. Means EG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):506-12

Effect of UV light disinfection on antibiotic-resistant coliforms in wastewater effluents. Meckes MC. **Appl Environ Microbiol** 1982 Feb;43(2):371-7

Dye-coupled electrode system for the rapid determination of cell populations in polluted water. Nishikawa S, et al. **Appl Environ Microbiol** 1982 Apr;43(4):814-8

Detection of viruses in drinking water by concentration on magnetic iron oxide. Rao VC, et al. **Appl Environ Microbiol** 1981 Sep;42(3):421-6

Limulus amoebocyte lysate and direct sampling methods for surveillance of operating nebulizers. Reinhardt DJ, et al. **Appl Environ Microbiol** 1981 Nov;42(5):850-5

Quantitative procedure for enumeration of bifidobacteria. Resnick IG, et al. **Appl Environ Microbiol** 1981 Sep; 42(3):427-32

Assessment of bifidobacteria as indicators of human fecal pollution. Resnick IG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):433-8

Effects of polychlorinated biphenyls and environmental biotransformation products on aquatic nitrification. Sayler GS, et al. **Appl Environ Microbiol** 1982 Apr;43(4):949-52

Isolation of enteroviruses from oxidation pond waters. Sheladia VL, et al. **Appl Environ Microbiol** 1982 Apr; 43(4):971-4

Influence of salinity and organic nutrient concentration on survival and growth of Vibrio cholerae in aquatic microcosms. Singleton FL, et al. **Appl Environ Microbiol** 1982 May;43(5):1080-5

Development of a method for detection of human rotavirus in water and sewage. Smith EM, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1440-50

Uptake of Vibrio cholerae biotype eltor from contaminated water by water hyacinth (eichornia crassipes). Spira WM, et al. **Appl Environ Microbiol** 1981 Sep;42(3):550-3

Gauze filtration and enrichment procedures for recovery of Vibrio cholerae from contaminated waters. Spira WM, et al. **Appl Environ Microbiol** 1981 Oct;42(4):730-3

A-1 medium: alternative technique for fecal coliform organism enumeration in chlorinated wastewaters. Standridge JH, et al. **Appl Environ Microbiol** 1981 Nov; 42(5):918-20

Hot water systems as sources of Legionella pneumophila in hospital and nonhospital plumbing fixtures. Wadowsky RM, et al. **Appl Environ Microbiol** 1982 May;43(5):1104-10

Evaluation of coliphage detection as a rapid indicator of water quality. Wentsel RS, et al. **Appl Environ Microbiol** 1982 Feb;43(2):430-4

Multiplication of Legionella pneumophila in unsterilized tap water. Yee RB, et al. **Appl Environ Microbiol** 1982 Jun; 43(6):1330-4

Effects of oil and gas well-drilling fluids on the biomass and community structure of microbiota that colonize sands in running seawater. Smith GA, et al. **Arch Environ Contam Toxicol** 1982;11(1):17-23

Studies on dissimilatory sulfate-reducing bacteria that decompose fatty acids. I. Isolation of new sulfate-reducing bacteria enriched with acetate from saline environments. Description of Desulfobacter postgatei gen. nov., sp. nov. Widdel F, et al. **Arch Microbiol** 1981 Jul;129(5):395-400

Hygienic condition of marine waters and sediments in the

Gulf of Naples. Volterra L, et al.
Boll Soc Ital Biol Sper 1982 Feb;58(3–4):142–7

Biodegradation of trialkylacetic acid benzyl esters. Millier A, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):113–8

Coprostanol and bacterial indicators of faecal pollution in the Scheldt estuary. Yde M, et al.
Bull Environ Contam Toxicol 1982 Feb;28(2):129–34

Coliphages as ecological indicators of enteroviruses in various water systems. Simková A, et al. **Bull WHO** 1981; 59(4):611–8

A method for concentrating viruses recovered from sewage sludges. Berg G, et al. **Can J Microbiol** 1982 May; 28(5):553–6

Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. Churchland LM, et al.
Can J Microbiol 1982 Feb;28(2):239–47

Thermodynamics of halobacterial environments. Edgerton ME, et al. **Can J Microbiol** 1981 Sep;27(9):899–909

The effect of polarization on the attachment of marine bacteria to copper and platinum surfaces. Gordon AS, et al. **Can J Microbiol** 1981 Jul;27(7):698–703

Factors affecting the lytic susceptibility of some marine and terrestrial bacteria. Laddaga RA, et al. **Can J Microbiol** 1982 Apr;28(4):414–24

Observations of fouling biofilm formation. McCoy WF, et al. **Can J Microbiol** 1981 Sep;27(9):910–7

Antiviral activity of antibiotic-producing marine bacteria. Toranzo AE, et al. **Can J Microbiol** 1982 Feb;28(2):231–8

Seasonal distribution of bdellovibrios at the mouth of the Patuxent River in the Chesapeake Bay. Williams HN, et al. **Can J Microbiol** 1982 Jan;28(1):111–6

Microbiological quality of selected recreational waters. Alvarez RJ. **Environ Res** 1981 Dec;26(2):372–80

Excessive levels of gram-negative bacteria in hemodialysis machines because of inadequate cleaning guidelines. Gurevich I, et al. **Infect Control** 1981 Sep–Oct;2(5):373–6

Production of cholera-like enterotoxin by a Vibrio cholerae non-O1 strain isolated from the environment. Craig JP, et al. **Infect Immun** 1981 Oct;34(1):90–7

Numerical taxonomy analysis of bacteria isolated from the completed 'most probable numbers' test for coliform bacilli. Austin B, et al. **J Appl Bacteriol** 1981 Aug;51(1):101–12

Observations on infections associated with South Wales natural waters. Harvey RW, et al. **J Appl Bacteriol** 1981 Oct;51(2):369–74

The effect of pH adjustment on the microbiology of chicken scald-tank water with particular reference to the death rate of salmonellas. Humphrey TJ, et al. **J Appl Bacteriol** 1981 Dec;51(3):517–27

The incidence of Vibrio cholerae in water, animals and birds in Kent, England. Lee JV, et al. **J Appl Bacteriol** 1982 Apr;52(2):281–91

A selective medium for the enumeration of Streptococcus bovis by membrane filtration. Oragui JI, et al.
J Appl Bacteriol 1981 Aug;51(1):85–93

Box-shaped halophilic bacteria. Javor B, et al.
J Bacteriol 1982 Sep;151(3):1532–42

Ultrastructure of square bacteria from a brine pool in Southern Sinai. Kessel M, et al. **J Bacteriol** 1982 May; 150(2):851–60

Physiological characteristics of Thiomicrospira sp. Strain L-12 isolated from deep-sea hydrothermal vents. Ruby EG, et al. **J Bacteriol** 1982 Jan;149(1):161–5

Walsby's square bacterium: fine structure of an orthogonal procaryote. Stoeckenius W. **J Bacteriol** 1981 Oct; 148(1):352–60

Legionella jordanis: a new species of Legionella isolated from water and sewage. Cherry WB, et al. **J Clin Microbiol** 1982 Feb;15(2):290–7

Isolation of Legionella pneumophila from hospital potable water specimens: comparison of direct plating with guinea pig inoculation. Edelstein PH, et al. **J Clin Microbiol** 1982 Jun;15(6):1092–6

Improved semiselective medium for isolation of Legionella pneumophila from contaminated clinical and environmental specimens. Edelstein PH. **J Clin Microbiol** 1981 Sep; 14(3):298–303

Aerobic degradation of diuron by aquatic microorganisms. Ellis PA, et al. **J Environ Sci Health [B]** 1982;17(3):277–89

The degradation of parathion and DDT in aqueous systems containing organic additives. Sharom MS, et al.
J Environ Sci Health [B] 1981;B16(6):703–11

Effect of chemical water pollution on the physiological activity of microorganisms. Daubner I, et al.
J Hyg Epidemiol Microbiol Immunol 1981;25(3):286–92

Ionizing radiation in the disinfection of water contaminated with potentially pathogenic mycobacteria. Kubín M, et al.
J Hyg Epidemiol Microbiol Immunol 1982;26(1):31–6

A comparison of confirmatory media for coliform organisms and Escherichia coli in water. By a joint committee of the Public Health Laboratory Service and the Standing Committee of Analysts. **J Hyg (Lond)** 1981 Dec; 87(3):369–75

The sanitary condition of rural drinking water in a Nile Delta village. II. Bacterial contamination of drinking water in a Nile Delta village. El Attar L, et al. **J Hyg (Lond)** 1982 Feb;88(1):63–7

Hospital hydrotherapy pools treated with ultra violet light: bad bacteriological quality and presence of thermophilic Naegleria. De Jonckheere JF. **J Hyg (Lond)** 1982 Apr; 88(2):205–14

A comparisoin of the R25 modification of Rappaport s enrichment medium with strontium chloride B for salmonella isolation from sewage polluted natural water. Harvey RW, et al. **J Hyg (Lond)** 1982 Aug;89(1):111–7

Legionella pneumophila in cooling water systems. Report of a survey of cooling towers in London and a pilot trial of selected biocides. Kurtz JB, et al. **J Hyg (Lond)** 1982 Jun;88(3):369–81

Rapid single-tube confirmatory test for Escherichia coli. Smith JL, et al. **J Hyg (Lond)** 1982 Aug;89(1):149–54

A medium for the rapid enumeration of Escherichia coli in the presence of other faecal coliforms in tropical waters. Wright RC. **J Hyg (Lond)** 1982 Apr;88(2):265–73

A comparison of the levels of faecal indicator bacteria in water and human faeces in a rural area of a tropical developing country (Sierra Leone). Wright RC.
J Hyg (Lond) 1982 Aug;89(1):69–78

Gastroenteritis due to Norwalk virus: an outbreak associated with a municipal water system. Kaplan JE, et al.
J Infect Dis 1982 Aug;146(2):190–7

Bacterial contamination of oral rehydration solutions [letter] Watkinson M. **J Pediatr** 1982 Jan;100(1):170–1

Effect of nonsterile versus sterile water irrigation with ultrasonic scaling on postoperative bacteremias. Reinhardt RA, et al. **J Periodontol** 1982 Feb;53(2):96–100

Techniques for virus detection in aquatic sediments. Bitton G, et al. **J Virol Methods** 1982 Feb;4(1):1–8

A portable device for the rapid concentration of viruses from large volumes of natural freshwater. Logan KB, et al.
J Virol Methods 1981 Nov;3(4):241–9

Epidemiological report: incidence of Clostridium botulinum in coastal and inland areas of West Java. Haq I, et al.
Jpn J Med Sci Biol 1981 Aug;34(4):231–5

Studies on the hygiene of drinking water for laboratory animals. 1. The effect of various treatments on bacterial contamination. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr;15(2):107–10

Microbes in sewage sludge applied to land [editorial]
Lancet 1982 Mar 27;1(8274):723–4

Legionella pneumophila in water plumbing systems. Dennis PJ, et al. **Lancet** 1982 Apr 24;1(8278):949–51

Legionnaires' disease related to gastric lavage with tap water [letter] Dournon E, et al. **Lancet** 1982 Apr 3;1(8275):797–8

Cholera and estuarine salinity in Calcutta and London. Miller CJ, et al. **Lancet** 1982 May 29;1(8283):1216–6

Potable water supply as the hospital reservoir for Pittsburgh pneumonia agent. Stout J, et al. **Lancet** 1982 Feb 27; 1(8270):471–2

Water-related disease outbreaks in the United States—1980. **MMWR** 1982 Jan 1;30(50–51):623–4, 633–4

Studies on parasitic watermolds of Kumaun Himalaya; host range of Achlya americana Humphrey, on certain temperate fish. Khulbe RD, et al. **Mykosen** 1981 Mar; 24(3):177–80

Ubiquitousness of Legionella pneumophila in the water supply of a hospital with endemic Legionnaires' disease. Stout J, et al. **N Engl J Med** 1982 Feb 25;306(8):466–8

Legionella pneumophila in a hospital water supply [letter] Walter CW. **N Engl J Med** 1982 Aug 5;307(6):379–80

Microbial interactions in sediment communities. Laanbroek HJ, et al. **Philos Trans R Soc Lond [Biol]** 1982 Jun 11; 297(1088):533–50

Obligately barophilic bacterium from the Mariana trench. Yayanos AA, et al. **Proc Natl Acad Sci USA** 1981 Aug; 78(8):5212–5

Viruses in water and soil. Melnick JL, et al.
Public Health Rev 1980 Jul–Dec;9(3–4):185–213 (40 ref.)

Recent experience in the epidemiology of disease caused by atypical mycobacteria. Gruft H, et al. **Rev Infect Dis** 1981 Sep–Oct;3(5):990–6

Health and nutritional problems in the NAM Pong water resource development scheme. Sornmani S, et al.
Southeast Asian J Trop Med Public Health 1981 Sep; 12(3):402–5

Cytological examination of Leeuwenhoek's first microbial specimens. Ford BJ. **Tissue Cell** 1982;14(2):207–17

New Anabaena and Nostoc cyanophages from sewage settling ponds. Hu NT, et al. **Virology** 1981 Oct 15; 114(1):236–46

Regulation of phenol degradation in Pseudomonas putida. Janke D, et al. **Z Allg Mikrobiol** 1981;21(4):295–303

Microbial methane oxidation in the River Saar. Zaiss U, et al. **Z Allg Mikrobiol** 1982;22(2):139–48

Isolation and classification of fifteen strains of saprophytic leptospires isolated from surface water in France and other countries. Cinco M, et al.
Zentral Bakteriol Mikrobiol Hyg [A] 1981;249(4):538–42

Isolation of Legionella pneumophila in Bulgaria. Tomov A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981 Nov; 250(4):521–8

A survey of fungi and some indicator bacteria in chlorinated water of indoor public swimming pools. Aho R, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981;173(3–4):242–9

Yersinia enterocolitica in water and foods (author's transl) Aldová E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep;173(6):464–70

Removal of indicator organisms by chemical treatment of wastewater. De Zutter L, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981; 173(3–4):266–72

Distribution of viral and bacterial densities in sea water near a costal discharge of treated domestic sewage. Hugues B, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):509–16

Occurrence of Vibrio parahaemolyticus and Vibrio alginolyticus in marine and estuarine bathing areas in Danish coast. Larsen JL, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981;173(5):338–45

Investigations on viral pollution in the Romanian section of the Danube river during 1972–1977 period. Nestor I, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):517–27

Dispersal and fate of coliphages in the River Saar. Zaiss U.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981; 174(1–2):160–73

Bacterial pollution indicators in the intestinal tract of various fish species living an Amir-Kolayeh lagoon. Nuhi A, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(7):566–71

[Microbiological study of different reservoirs. 2. The degradation capacity and biochemical relations of bacterial strains isolated from the reservoirs of Bulgarian Black Sea coast] Abadzhiev V, et al. **Acta Microbiol Bulg** 1980; 7:84–91 (Eng. Abstr.) **(Bul)**

Salmonellae in Tan-Shui River (author's transl)] Tseng HC, et al.
Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih 1981 Sep;14(3):187–95 (Eng. Abstr.) **(Chi)**

[Experimental studies on disinfection of drinking water with chloraminegypsum brick (author's transl)] Lin JD.
Chung Hua Yu Fang I Hsueh Tsa Chih 1982 Jan;16(1):42–4 **(Chi)**

[Pathogenic leptospiras isolated from various surface waters (author's transl)] Lin JR.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 May; 15(3):171–2 **(Chi)**

[A preliminary report on the indicator of the enterovirus in hospital sewage (comparative studies on the resistance of f2 coliphage, B. cereus spore and HBsAg to chemical agents) (author's transl)] Xia LR.
Chung Hua Yu Fang I Hsueh Tsa Chih 1981 Jul; 15(4):195–200 **(Chi)**

[Cutaneous mycobacteriosis: epidemiologic study (author's transl)] Beurey J, et al. **Ann Dermatol Venereol** 1981; 108(5):439–42 **(Fre)**

[Survival of 'Pseudomonas aeruginosa' and 'Escherichia coli' in cold water (author's transl)] Laurence RA, et al.
Ann Microbiol (Paris) 1981 Nov–Dec;132 B(3):455–63 (Eng. Abstr.) **(Fre)**

[Methods for the detection of Salmonella in water adapted to the particular case of Salmonella typhi] Burban L, et al. **Arch Inst Pasteur Alger** 1978–79;53:4–12 **(Fre)**

[Bacteriological study of the Tunisian coastal water quality for bathing] Chadli A, et al. **Arch Inst Pasteur Tunis** 1981 Mar–Jun;58(1–2):65–87 (Eng. Abstr.) **(Fre)**

[A preliminary study of the yeast flora of medical interest from Guadeloupe coastal waters (French West Indies) (author's transl)] Boiron P, et al.
Bull Soc Pathol Exot Filiales 1982 May–Jul;75(3):272–8 (Eng. Abstr.) **(Fre)**

[Virological studies of feces and sewage in Berlin] Hermann J, et al. **Off Gesundheitswes** 1981 Jul;43(7):322–5 **(Ger)**

[The reliability of E. coli and coliform germs as markers in drinking water hygiene] Müller HE.
Off Gesundheitswes 1982 Jun;44(6):374–81 **(Ger)**

[Pathogenic microorganisms in the effluent from water purification plants and in the recipient basin] Steuer W.
Off Gesundheitswes 1982 Jun;44(6):390–6 **(Ger)**

[Germ content of demineralized water after peracetic acid treatment of ion exchangers of the Wofatit type] Falk M, et al. **Pharmazie** 1981 Oct;36(10):715–6 **(Ger)**

[Prognostic assessment of microbial self-cleaning of ground water from the public health viewpoint] Sidorenko GI, et al. **Z Gesamte Hyg** 1982 May;28(5):321–3 **(Ger)**

[Detection of coliforms, fecal coliforms and E. coli in water] Stelzer W, et al. **Z Gesamte Hyg** 1982;28(1):49–55 (Eng. Abstr.) **(Ger)**

[Investigations on the survival of fecal bacteria in experiments with and without sediment addition (author's transl)] Bauerfeind S, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981 Dec; 174(4):364–74 (Eng. Abstr.) **(Ger)**

[Hygienical assessment of swimming pool water covers made of plastic (author's transl)] Becker-Birck J, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981 Dec; 174(5):443–52 (Eng. Abstr.) **(Ger)**

[To the multiplication ability of intestinal bacteria in water (author's transl)] Daubner I, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981 Dec; 174(5):453–60 (Eng. Abstr.) **(Ger)**

[Occurrence and significance of Actinomycetes in drinking water (author's transl)] Dott W, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981; 173(3–4):217–32 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative examination of bacteria found in aquatic habitats. 3. Communications: Recording the data for identification and analysing by numerical methods (author's transl)] Dott W, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981; 173(3–4):273–84 (Eng. Abstr.) **(Ger)**

[Hygienic quality of lakes which are used as open-air bath. 2. Communication: Comparison of biochemical typed Escherichia coli strains isolated from lake water and bird excrements (author's transl)] Dott W, et al.
Zentralbl Bakteriol Mikrobiol Hyg [B] 1981; 173(3–4):233–41 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative examinations of bacterial found in aquatic habitats. 4. Communication: Comparison of the bacteria of the water an its layer of scum both derived from a reservoir for drinking water (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 174(1-2):174-81 (Eng. Abstr.) **(Ger)**

[Microbiological studies of small hot-bath-pools and hot-whirl-pools (author's transl)] Exner M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3-4):250-9 (Eng. Abstr.) **(Ger)**

[Hygienic and microbiological influences exerted on natural water biotopes by algae and the growth of water plants. 2. Communication: improvement of the chemical and bacteriological water quality by the natural growth of aquatic plants (author's transl)] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):530-55 (Eng. Abstr.) **(Ger)**

[Hygienic and microbiological influences exerted on natural water biotopes by algae and the growth of water plants. 1. Communication: antibacterial properties of three water algae (Hydrodictyon reticulatum, Chlorella vulgaris, Aphanothece nidulans) in vitro (author's transl)] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(5):421-42 (Eng. Abstr.) **(Ger)**

[Microbiological investigations with decentral dosing apparatuses for disinfectants. Part 1: investigations of cell number (author's transl)] Heinzel M, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):299-313 (Eng. Abstr.) **(Ger)**

[Microbial settlement of paint- and building-materials in the sphere of drinking water. 7. Communication: long time observations in two drinking water reservoirs coated by epoxy resin (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):346-55 (Eng. Abstr.) **(Ger)**

[Microbial settlement of paint- and building-materials in the sphere of drinking water. 8. Communication: Experimental examination of epoxy resin in laboratory tests (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):356-64 (Eng. Abstr.) **(Ger)**

[Microbial settlement of paint- and building-materials in the sphere of drinking-water. 6. Communication: Experimental examination of chlorcaoutchouc paints under working conditions and in laboratory tests (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3-4):197-203 (Eng. Abstr.) **(Ger)**

[Microbial settlement of paint- and building-materials in the sphere of drinking water. 9. Communication: experimental examination of cement mortar for the lining with tiles (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):375-82 (Eng. Abstr.) **(Ger)**

[Important hygienic aspects for swimming pools (author's transl)] Somosi G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3-4):260-5 (Eng. Abstr.) **(Ger)**

[Yersinia enterocolitica in drinking water (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3-4):209-16 (Eng. Abstr.) **(Ger)**

[First isolation of Yersinia enterocolitica from drinking water in Austria (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3-4):207-8 **(Ger)**

[Bacterial numbers of a running water (author's transl)] Kunze C, et al. **Zentralbl Bakteriol [Naturwiss]** 1981; 136(4):291-4 (Eng. Abstr.) **(Ger)**

[Human viruses in water (editorial)] Shuval H, et al. **Harefuah** 1981 Dec 15;101(12):376-8 **(Heb)**

[Mutagenic contamination of various water samples from the Danube River] Tarján V, et al. **Orv Hetil** 1981 Nov 29; 122(48):2961-2 **(Hun)**

[Comparison of the MPN method and direct counting on specific selective media for bacteriological examination of surface and waste waters] Baldini I, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):972-81 (Eng. Abstr.) **(Ita)**

[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May-Jun; 23(3):301-13 (46 ref.) **(Ita)**

[Detection and typing of non-tubercular mycobacteria in urban waste waters of Bergamo] Romanelli A, et al. **Ann Sclavo** 1980 Nov-Dec;22(6):889-98 (Eng. Abstr.) **(Ita)**

[Application of the biotic index and the diversity index to the study of macro-benthons in a river] Castagna A, et al. **Boll Soc Ital Biol Sper** 1981 Mar 30;57(6):614-20 (Eng. Abstr.) **(Ita)**

[Finding of Vibrio parahaemolyticus and Vibrio alginolyticus in marine sediment at the mouth of the Tiber] Annicchiarico S, et al. **Nuovi Ann Ig Microbiol** 1981 May-Jun;32(3):131-58 (Eng. Abstr.) **(Ita)**

[Isolation of Legionella pneumophila from cooling tower (author's transl)] Saito A, et al. **Kansenshogaku Zasshi** 1981 Jun;55(6):439-46 (Eng. Abstr.) **(Jpn)**

[Biochemical properties and differentiation of Vibrionaceae isolated from water and water-oil emulsion] Kaznowski A, et al. **Med Dosw Mikrobiol** 1980;32(4):261-70 (Eng. Abstr.) **(Pol)**

[Occurrence of enteroviruses in Poland 1973-1979] Jarząbek Z, et al. **Przegl Epidemiol** 1981;35(4):429-35 (Eng. Abstr.) **(Pol)**

[Occurrence of aqueous organisms in tap water. II. Comparative studies of the tap water fed from a surface source and an infiltration well] Luczak J, et al. **Rocz Panstw Zakl Hig** 1981;32(5-6):457-62 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. VI. Use of immunofluorescence technic for detection of group D streptococci in the water and sewage] Maleszewska J, et al. **Rocz Panstw Zakl Hig** 1981; 32(3):277-84 (Eng. Abstr.) **(Pol)**

[Contribution to the knowledge of dermatophyte flora in sewage sludge] Ulfig K. **Rocz Panstw Zakl Hig** 1981; 32(3):285-9 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. V. Use of phages for identification of Streptococcus faecalis isolated from sewage, water and soil] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 1981;32(1):17-22 (Eng. Abstr.) **(Pol)**

[Vibrio parahaemolyticus: isolation and identification in the waters of Baía de Guanabara] Barros GC, et al. **Rev Latinoam Microbiol** 1980 Oct-Dec;22(4):163-9 (Eng. Abstr.) **(Por)**

[Bacterial indicators of fecal pollution in irrigation waters of vegetable gardens supplying the municipality of Natal, State of Rio Grande do Norte (Brazil)] Chagas SD, et al. **Rev Saude Publica** 1981 Dec;15(6):629-42 (Eng. Abstr.) **(Por)**

[Daphnias as biological antagonists of NAG-vibrios] Avtsyn AP, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):48-50 **(Rus)**

[Quantitative determination of enteroviruses in water] Aizen MS. **Gig Sanit** 1982;(1):62-5 (19 ref.) **(Rus)**

[Importance of Pseudomonas aeruginosa in a hygienic assessment of a water source] Aleshnia VV, et al. **Gig Sanit** 1982 Mar;(3):76-8 **(Rus)**

[Enterovirus distribution in the water of reservoirs of different climatic zones of the USSR] Bagdasar'ian GA, et al. **Gig Sanit** 1982 May;(5):11-3 **(Rus)**

[Current status of the problem of bacterial and viral pollution of the coastal zone of seas] Bondarenko VI, et al. **Gig Sanit** 1982 Mar;(3):57-60 **(Rus)**

[Methodological approaches to the study of conditionally pathogenic microorganisms on environmental objects] Kalina GP. **Gig Sanit** 1982;(1):40-1 **(Rus)**

[Microbiological studies in sewage after purification using sand and grid filters] Manevich EF, et al. **Gig Sanit** 1981 Jul;(7):71-3 **(Rus)**

[Bacterial contamination of the water supply on sea-going ships and its decontamination in thermal desalinization] Petrov IuN. **Gig Sanit** 1981 Oct;(10):79-80 **(Rus)**

[Seawater contamination with nonagglutinating vibrios] Shikulov VA, et al. **Gig Sanit** 1981 Jul;(7):69-70 **(Rus)**

[Effect of seawater pollution on the vital activities of pathogenic and sanitary indicator bacteria] Talaeva IuG, et al. **Gig Sanit** 1982;(1):9-12 (Eng. Abstr.) **(Rus)**

[Sanitary microbiological evaluation of the effectiveness of treating waste waters from the aniline dye industry for the purpose of their reuse] Zotova VI, et al. **Gig Sanit** 1982 May;(5):18-21 (Eng. Abstr.) **(Rus)**

[Spontaneous lysis of bacteria in river water] Finance C, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Nov-Dec;(6):854-62 (Eng. Abstr.) **(Rus)**

[Rapid detection of salmonellae in water using the fluorescent antibody technic] Talaeva IuG, et al. **Lab Delo** 1982; (6):43-6 (Eng. Abstr.) **(Rus)**

[Enteropathogenic properties of NAG vibrios isolated from the environment] Andrusenko IT, et al. **Mikrobiol Zh** 1982 Mar-Apr;44(2):43-6 (Eng. Abstr.) **(Rus)**

[Waste water microflora of a swine-breeding farm complex in the purification process] Gromozova EN, et al. **Mikrobiol Zh** 1982 Jan-Feb;44(1):34-7 (Eng. Abstr.) **(Rus)**

[Yeasts in the water of the Dnieper River] Kvasnikov EI, et al. **Mikrobiol Zh** 1982 Jan-Feb;44(1):42-5 (Eng. Abstr.) **(Rus)**

[Experience in using microorganism associations for purifying bilge water of petroleum products] Kvasnikov EI, et al. **Mikrobiol Zh** 1982 Mar-Apr;44(2):75-7 **(Rus)**

[Shigella and Salmonella viability in river water under different temperature conditions] Popovich GG, et al. **Mikrobiol Zh** 1981 Jul-Aug;43(4):487-9 **(Rus)**

[Role of the water factor in the transmission of the hepatitis A virus] Slivin AS, et al. **Voen Med Zh** 1982 May;(5):40 **(Rus)**

[Enterovirus survival in water and food products] Lukina OE, et al. **Vopr Virusol** 1981 Jul-Aug;(4):481-5 (Eng. Abstr.) **(Rus)**

[Ecological tolerance of Salmonellae isolated from the water of surface reservoirs] Androsova SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):33-5 (Eng. Abstr.) **(Rus)**

[Serological types of Yersinia enterocolitica isolated from humans and from environment] Iushchenko GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):34-7 (Eng. Abstr.) **(Rus)**

[Water and aquatic organisms as the host of Yersinia pseudotuberculosis] Shchubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):107 **(Rus)**

[Epidemiological characteristics of cholera E1/or in cases of predominantly water and household modes of disease transmission] Spotarenko SS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981;(8):106-8 **(Rus)**

[Preservation of certain biological properties of Vibrio cholerae El Tor in river and sewage water following aeration] Val'kov BG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):114-5 **(Rus)**

[Vibrio parahaemolyticus: presence in marine and mixohaline environment in the province of Trujillo, Peru] Bocanegra FA, et al. **Rev Latinoam Microbiol** 1981 Jul-Sep; 23(3):135-40 (Eng. Abstr.) **(Spa)**

[An epidemic of water-borne hepatitis A] Linglöf T, et al. **Lakartidningen** 1981 Sep 2;78(36):3032-4 (Eng. Abstr.) **(Swe)**

WATER MOVEMENTS

Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. Churchland LM, et al. **Can J Microbiol** 1982 Feb;28(2):239-47

WATER POLLUTANTS

Removal of biogenic elements, polychlorinated diphenyls and heavy metals during the biological final treatment of waste-waters. Wéber K, et al. **Acta Microbiol Pol** 1981; 30(3):255-8

The effect of benzo[a]pyrene on sponges as model organisms in marine pollution. Zahn RK, et al. **Chem Biol Interact** 1982 Mar 15;39(2):205-20

Effect of water pollutants and other chemicals upon ribonuclease activity in vitro. Christensen GM, et al. **Environ Res** 1981 Dec;26(2):274-80

In vivo removal of a few heavy metals in certain tissues of the fish Notopterus notopterus. Verma SR, et al. **Environ Res** 1981 Dec;26(2):328-34

Cadmium-binding proteins from blue crabs (Callinectes sapidus) environmentally exposed to cadmium. Wiedow MA, et al. **Environ Res** 1982 Jun;28(1):164-70

Exposure to lead [letter] Bryce-Smith D, et al. **Lancet** 1981 Oct 17;2(8251):877

[Experimental studies for the hygienic standardization of Lasso in water] Novakova S, et al. **Probl Khig** 1981;6.110-8 (Eng. Abstr.) **(Bul)**

[Study on the biodegradation of monovalent and polyvalent phenol compounds in waters] Thielemann H. **Z Gesamte Hyg** 1982 Feb;28(2):73-8 (Eng. Abstr.) **(Ger)**

[Human exposure to environmental chemicals - investigations on volatile organic halogenated compounds in water, air, food, and human tissues. IV. Communication: calculation of human exposure to organic halogenated compounds from the environment (author's transl)] Bauer U. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):556-83 **(Ger)**

[Toxicology of propylene oxide and its regulation of the water in reservoirs] Antonov VI, et al. **Gig Sanit** 1981 Jul; (7):76-9 **(Rus)**

[Chromatographic method of determining 4,4'-diaminodiphenylmethane in water] Dukhovnaia IS, et al. **Gig Sanit** 1981 Jul;(7):57 **(Rus)**

[Experimental basis for the maxim permissible concentration of polyoxypropylenediol in the water of reservoirs] Kondratiuk VA, et al. **Gig Sanit** 1981 Jun;(6):73-5 **(Rus)**

[Determination of the ethylene chlorohydrin content in the water of reservoirs] Kuznetsova LV, et al. **Gig Sanit** 1981 Jun;(6):45-6 **(Rus)**

[Amino compound stability and transformation in an aqueous environment] Mazaev VT, et al. **Gig Sanit** 1981 Oct; (10):91-2 **(Rus)**

[Data on the hygienic standardization of an ester of ethylene glycol and fatty acids in the reservoir waters] Sapegin DI, et al. **Gig Sanit** 1981 Aug;(8):89-90 **(Rus)**

[Hygienic importance of the transformation of chemical substances with the formation of chloroform in the process of drinking water decontamination] Sergeev EP, et al. **Gig Sanit** 1981 Jun;(6):56-9 (31 ref.) **(Rus)**

[Sanitary toxicology of phthalates polluting water] Sheftel' VO, et al. **Gig Sanit** 1981 Aug;(8):64-5 (25 ref.) **(Rus)**

[Transformation of aromatic amines during water conditioning] Shtannikov EV, et al. **Gig Sanit** 1982 Apr; (4):20-2 (Eng. Abstr.) **(Rus)**

[Hygienic standardization of trimethylamine in reservoir water] Trubko EI, et al. **Gig Sanit** 1981 Aug;(8):79-80 **(Rus)**

ADVERSE EFFECTS

Methaemoglobin levels in young children consuming high nitrate well water in the United States. Craun GF, et al. **Int J Epidemiol** 1981 Dec;10(4):309-17

Short-term effects of oil ingestion on American kestrels (Falco sparverius). Pattee OH, et al. **J Wildl Dis** 1982 Apr; 18(2):235-41

Respiratory morbidity in Brisbane waterside workers [letter] Mitchell C. **Med J Aust** 1982 Apr 3;1(7):289-90

Pennsylvania tops other states in water-related diseases. Schmidt JS. **Penn Med** 1982 Mar;85(3):25-9

Chronic and reproduction studies in rats exposed to gasifier ash leachates. Kostial K, et al. **Sci Total Environ** 1982 Jan; 22(2):133-47

[Diminished fertility in seals in the Netherlands, possibly resulting from exposure to large amounts of

polychlorinated biphenyls (author's transl)] Reijnders PJ. **Tijdschr Diergeneeskd** 1982 May 15;107(10):363–7 (Eng. Abstr.) **(Dut)**

ANALYSIS

Cancer incidence in relation to asbestos in drinking water in the Puget Sound region. Polissar L, et al. **Am J Epidemiol** 1982 Aug;116(2):314–28

Acute fluoride poisoning associated with an on-site fluoridator in a Vermont elementary school. Vogt RL, et al. **Am J Public Health** 1982 Oct;72(10):1168–9

Movement and identification of a creosote-derived PAH complex below a river pollution point source. Black JJ. **Arch Environ Contam Toxicol** 1982;11(2):161–6

Hydrocarbons in Victorian coastal ecosystems (Australia): chronic petroleum inputs to Western Port and Port Phillip Bays. Burns KA, et al. **Arch Environ Contam Toxicol** 1982; 11(2):129–40

Organic constituents of mutagenic secondary effluents from wastewater treatment plants. Ellis DD, et al. **Arch Environ Contam Toxicol** 1982;11(3):373–82

Influence of water movements and other factors on distribution and transport of heavy metals in a shallow bay (Canada). Moore JW. **Arch Environ Contam Toxicol** 1981 Nov;10(6):715–24

1,3,5-Trichloro-2-(4-nitrophenoxy)benzene in fish, shellfish, and seawater in Tokyo Bay, 1977–1979. Yamagishi T, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):627–35

Heavy metal concentrations in the Holston River Basin (Tennessee). Young GJ, et al. **Arch Environ Contam Toxicol** 1981 Sep;10(5):541–60

An environmental health survey of drinking water contamination by leachate from a pesticide waste dump in Hardeman County, Tennessee. Clark CS, et al. **Arch Environ Health** 1982 Jan–Feb;37(1):9–18

An ecological-agrochemical evaluation and prognosis of pesticide aftereffects (in the case of Ukrainian and Moldavian SSRS). Sokolov MS, et al. **Biol Bull Acad Sci Ussr** 1981 May–Jun;8(3):195–203

Organic compounds near dumpsites in Niagara Falls, New York. Elder VA, et al. **Biomed Mass Spectrom** 1981 Sep; 8(9):409–15

Trace metals in marine sediments of Kuwait. Anderlini VC, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):75–80

Balanus eburneus: a sensitive indicator of copper and zinc pollution in the coastal zone. Barber S, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):654–9

Analysis of environmental and tar samples from the nearshore south Texas area after oiling from the Ixtoc-1 blowout. Bedinger CA Jr, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):166–71

Use of algal fluorescence for an automated biological monitoring system. Benecke G, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):385–95

Determination of hexachlorocyclopentadiene at the nanogram per liter level in drinking water. Benoit FM, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):303–8

Contamination of native fish stock by hexachlorobenzene and polychlorinated biphenyl residues. Brunn H, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):599–604

Effects of selected organic compounds on radionuclide adsorption to sediments in freshwater systems. Clayton JR Jr, et al. **Bull Environ Contam Toxicol** 1982 Apr; 28(4):409–15

PCB residues in Mercenaria mercenaria from New Bedford Harbor, 1978. Deubert KH, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):683–8

Mercury and organochlorines in eggs from a Norwegian gannet colony. Fimreite N, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):58–60

Analysis for polycyclic aromatic hydrocarbons in mussels (Mytilus galloprovincialis) from the Thermaikos gulf, Greece. Iosifidou HG, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):535–41

A survey of trihalomethanes in the drinking water system of Murfreesboro, Tennessee. Kasso WB, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):295–302

Residues on DDT in a contaminated Norwegian lake ecosystem. Kveseth NJ. **Bull Environ Contam Toxicol** 1981 Sep;27(3):397–405

Biodegradation of carbaryl in simulated aquatic environment. Liu D, et al. **Bull Environ Contam Toxicol** 1981 Sep; 27(3):412–7

Relationships between raw water quality, treatment, and occurrence of organics in Canadian potable water. Otson R, et al. **Bull Environ Contam Toxicol** 1982 Apr; 28(4):396–403

Statistical models for estimating seawater metal concentrations from metal concentrations in mussels (Mytilus edulis). Popham JD, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):660–70

A radioimmunoassay to screen for 2,4,-dichlorophenoxyacetic acid and 2,4,5-trichlorophenoxyacetic acid in surface water. Rinder DF, et al. **Bull Environ Contam Toxicol** 1981 Mar; 26(3):375–80

Determination of vinyl chloride in water by headspace analysis with a photoionization detector. Stein VB, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):583–7

Methoxychlor residues in treated irrigation canal water in southcentral Idaho. Stoltz RL, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):473–6

Volatile liquid hydrocarbons around a production platform in the Northwest Gulf of Mexico. Wiesenburg DA, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):167–74

A national survey of tri(haloalkyl)-, trialkyl-, and triarylphosphates in Canadian drinking water. Williams DT, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):450–7

Determination of aldicarb residues in water by combined high performance liquid chromatography/mass spectrometry. Wright LH, et al. **Bull Environ Contam Toxicol** 1982 Jun; 28(6):740–7

Coprostanol and bacterial indicators of faecal pollution in the Scheldt estuary. Yde M, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):129–34

Gas-chromatographic analysis of residues of pirimiphos-methyl in water, fish, and snails. Zakitis LH, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):334–40

A simple microdiffusion method for estimating nitrate (and ammonia) in agricultural and environmental surveys. Waughman GJ. **Environ Res** 1981 Dec;26(2):529–34

Heavy-metal contamination of the Pacific oysters (Crassostrea gigas) cultured in Deep Bay, Hong Kong. Wong MH, et al. **Environ Res** 1981 Aug;25(2):302–9

Determination of benzidine, 3,3'-dimethoxybenzidine, 4-aminobiphenyl, 3,3'-dichlorobenzidine, and 4,4'-methylene-bis (2-chloroaniline) [MOCA] in soil samples surface water and groundwater by liquid chromatography with electrochemical detection. Rice JR, et al. **IARC Sci Publ** 1981;4(40):141–51

Instrumental methods of monitoring and control of water and wastewater treatment processes. Briggs R. **ISA Trans** 1982;21(2):59–73

Chemical form and distribution of mercury and selenium in edible seafood. Cappon CJ, et al. **J Anal Toxicol** 1982 Jan–Feb;6(1):10–21

Gas chromatographic-atmospheric pressure active nitrogen method for organomercury speciation in environmental samples. Rice GW, et al. **J Assoc Off Anal Chem** 1982 Jan;65(1):14–9

Gas chromatographic separation of diastereomeric isoprenoids as molecular markers of oil pollution. Berthou F, et al. **J Chromatogr** 1981 Dec 18;219(3):393–402

Reversed-phase high-performance liquid chromatography of pesticides. VI. Separation and quantitative determination of some rice-field herbicides. Cabras P, et al. **J Chromatogr** 1982 Jan 1;234(1):249–54

Determination of pyrazon residues in water by reversed phase high performance liquid chromatography. Ahmad I. **J Environ Sci Health [B]** 1982;17(3):253–63

Environmental significance of pesticide residues associated with aquatic sediments. Lee GF, et al. **J Environ Sci Health [B]** 1982;17(4):409–37

Determination of organochlorine pesticides and metabolites in drinking water, human blood serum, and adipose tissue. Barquet A, et al. **J Toxicol Environ Health** 1981 Mar–Apr; 7(3–4):469–79

A marine host-mediated assay for the detection of mutagenic compounds in polluted sea waters. Frezza D, et al. **Mutat Res** 1982 May–Jun;104(4–5):215–23

DDE residues in young wood ducks (Aix sponsa) near a former DDT manufacturing plant. Fleming WJ, et al. **Pestic Monit J** 1981 Mar;14(4):115–8

Persistence of dieldrin water and channel catfish from the Des Moines River, Iowa, 1971–73 and 1978. Leung SY, et al. **Pestic Monit J** 1981 Sep;15(2):98–102

Kepone distribution in the water column of the James River estuary—1976–78. Lunsford CA. **Pestic Monit J** 1981 Mar; 14(4):119–24

Organochlorine residues in fish: National Pesticide Monitoring Program, 1970–74. Schmitt CJ, et al. **Pestic Monit J** 1981 Mar;14(4):136–206

[A survey on the mercurial content of six kinds of fish from fishpond (author's transl)] Liang GZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):175–6 **(Chi)**

[Mercury and arsenic contents of marine product in the market of Guangzhou City (author's transl)] Ma YQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):366–7 **(Chi)**

[A study of problems of formulating the nitrate criteria in drinking water (author's transl)] Xiao XC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):46–7 **(Chi)**

[Results of monthly investigations of nitrate content in central water supply installations in the Karl-Marx-Stadt district] Hofmann R, et al. **Z Gesamte Hyg** 1982;28(1):56–8 (Eng. Abstr.) **(Ger)**

[Thin-layer chromatographic analysis of toxaphene in model solutions and surface waters of the Halle region] Thielemann H, et al. **Z Gesamte Hyg** 1982 May;28(5):324–8 (Eng. Abstr.) **(Ger)**

[Simple monitoring of low level water contaminated with gamma-(X-)ray emitting radioisotopes using an evaporation procedure – with special reference to radioactive iodine (author's transl)] Sago T. **Radioisotopes** 1981 Nov;30(11):602–5 **(Jpn)**

[Nitrate and nitrite content in mineral table waters, sodas and soft drinks] Wardas W, et al. **Rocz Panstw Zakl Hig** 1981;32(3):211–5 (Eng. Abstr.) **(Pol)**

[Use of the inversion voltametric method for determining Hg, As, Cu, Pb, Cd, Zn and Mn in surface waters and bottom deposits] Aleshina LA, et al. **Gig Sanit** 1982;(1):41–2 **(Rus)**

[Method of studying the hydrolyis of harmful substances in the hygienic regulation of their content in reservoirs waters] Fedorenko VOI. **Gig Sanit** 1982 Feb;(2):52–5 **(Rus)**

[Experience with using a spectrophotometric method for NR-1 oil solvent in water] Kirillova RP. **Gig Sanit** 1981 Oct;(10):83 **(Rus)**

[Experience with the chromatographic determination of selekron in water, soil and plants] Krasnykh AA, et al. **Gig Sanit** 1982 Feb;(2):76–7 **(Rus)**

[Chromatographic determination of Bolstar in soil, plants and water] Krasnykh AA, et al. **Gig Sanit** 1982 Mar;(3):53–4 **(Rus)**

[Determination of ronilan in water, soil and sunflowers] Krasnykh AA, et al. **Gig Sanit** 1982 May;(5):78 **(Rus)**

[Experience with the chromatographic determination of afos in air, water and soil] Leika ZA, et al. **Gig Sanit** 1982 Feb; (2):77–8 **(Rus)**

[Calculation of the spread of a chlorocholine chloride area of ground water pollution] Mazaev VT, et al. **Gig Sanit** 1982 May;(5):13–6 **(Rus)**

[Organochlorine pesticide content in Lakes Saki and Mainak and the possible routes of their entry] Sapegin DI, et al. **Gig Sanit** 1982 Feb;(2):74–5 **(Rus)**

[Photometric determination of dimethylphenylcarbinol in water] Shcherbakova ZA. **Gig Sanit** 1982;(1):71–2 **(Rus)**

[Method for the study and hygienic evaluation of the stability and transformation of harmful substances in water in the chlorination process] Shtabskii BM, et al. **Gig Sanit** 1982 May;(5):64–6 **(Rus)**

[Spectrophotometric determination of toxic surface-active substances in water] Zhebentiaev AI. **Gig Sanit** 1981 Oct; (10):67–8 **(Rus)**

ISOLATION & PURIFICATION

Comparison of liquid–liquid extraction and resin adsorption for concentrating mutagens in Ames Salmonella/microsome assays on water. Grabow WO, et al. **Bull Environ Contam Toxicol** 1981 Oct;27(4):442–9

Mutagenic activity in the River Meuse in Belgium. Van Hoof F, et al. **Sci Total Environ** 1981 Aug;20(1):15–22

[Organic micropollutants in water. Preliminary results on haloforms and polycyclic aromatic hydrocarbons] Vu Duc T, et al. **Soz Praventivmed** 1981 Oct;26(5):315–6 **(Fre)**

[Studies on the degree of elimination of polycyclic aromatic hydrocarbons (PAH) from water supply. II. Elimination of PAH during treatment of water at the water supply station] Ochocka JR, et al. **Rocz Panstw Zakl Hig** 1981; 32(1):45–52 (Eng. Abstr.) **(Pol)**

[Decontaminating effect of different methods of desalinizing chemically polluted seawater] Rakhmanin IuA, et al. **Gig Sanit** 1982 Feb;(2):15–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Dietary accumulation of dimethylnaphthalene by the grass shrimp Palaemonetes pugio under stable and fluctuating temperatures. Dillon TM. **Bull Environ Contam Toxicol** 1982 Feb;28(2):149–53

Effect of chemical speciation on the accumulation of cadmium by the caddisfly, Hydropsyche sp. Dressing SA, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):172–80

Accumulation of polychlorinated biphenyls in Atlantic tomcod (Microgadus tomcod) collected from the Hudson River estuary, New York. Klauda RJ, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):829–35

Biodegradation of trialkylacetic acid benzyl esters. Millier A, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):113–8

Uptake of sodium pentachlorophenate (NaPCP) from water by rainbow trout (Salmo gairdneri) exposed to concentrations in the ng/L range. Niimi AJ, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):11–9

Comparison of the disposition of several nitrogen-containing compounds in the sea urchin and other marine invertebrates. Landrum PF, et al. **Xenobiotica** 1981 May; 11(5):351–61

PHARMACODYNAMICS

The fate of fenitrothion in a stream environment and its effect on the fauna, following aerial spraying of a Scottish forest. Morrison BR, et al. **Sci Total Environ** 1981 Jul;19(3):233–52

POISONING

'Asbestos in drinking water and cancer incidence in the San Francisco Bay area' [letter] Browne K. **Am J Epidemiol** 1982 Jan;115(1):142–4

Evidence for metal poisoning in acute deaths of large red drum (Sciaenops ocellata). Cardeilhac PT, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):639–44

[Hygienic significance of percutaneous absorption of chemical water pollutants] Krasovskii GN, et al. **Gig Sanit** 1981 Dec;(12):13–6 (Eng. Abstr.) **(Rus)**

TOXICITY

Leucocytic and haemostatic reactions of the Indian catfish, Heteropneustes fossilis, subjected to environmental pollution by sewage, fertilisers and insecticides. Srivastava PN, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Jan; 50(1):13–21

Examination of procedures for acute toxicity tests with the fathead minnow and coal synfuel blends. Becker CD, et al. **Arch Environ Contam Toxicol** 1982;11(1):33–40

Effects of apple orchard runoff on the aquatic macrofauna of a mountain stream. Penrose DL, et al. **Arch Environ Contam Toxicol** 1982;11(3):383–8

Biological effects of ingested amosite asbestos, taconite tailings, diatomaceous earth and Lake Superior water in rats. Hilding AC, et al. **Arch Environ Health** 1981 Nov–Dec;36(6):298–303

Malignant melanoma and drinking water contamination. Aldrich TE, et al. **Bull Environ Contam Toxicol** 1982 May; 28(5):519–23

A simple, rapid bioassay for detecting effects of pollutants on bacteria. Bauer NJ, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):577–82

Mutagenic potential of water concentrates from the effluent of a waste oil storage pond. Brown KW, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):424–9

Acute toxicity of an in situ shale oil process wastewater and its major components to Daphnia magna. Burnham LN, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):338–43

Ecotoxicity of coal gasifier solid wastes. Cushman RM, et al. **Bull Environ Contam Toxicol** 1982 Jan;28(1):39–45

Evaluation of four concentration/extraction procedures on waters and effluents collected for use with the Salmonella typhimurium screening procedure for mutagens. Dutka BJ, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):758–64

Comparison of three microbial toxicity screening tests with the Microtox test. Dutka BJ, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):753–7

Effect of water treatment on mutagenic potential. Flanagan EP, et al. **Bull Environ Contam Toxicol** 1981 Dec; 27(6):765–72

Acute toxicity of 54 industrial chemicals to sheepshead minnows (Cyprinodon variegatus). Heitmuller PT, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):596–604

Ames Salmonella mutagenicity assays on water: dichloromethane extracts versus preparation of growth media with test samples. Kfir R, et al. **Bull Environ Contam Toxicol** 1982 Jun;28(6):641–6

Kraft pulp mill effluent and sediment can retard development and lyse sea urchin eggs. Kinae N, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):616–23

Relationship of mortality of aquatic biota from 96-hour sediment bioassays and the change in chemical composition of the test water. Laskowski-Hoke RA, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):323–7

Response of trout hepatic mixed-function oxidases to experimental feeding of ten known or possible chlorinated environmental contaminants. Law FC, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):605–9

Toxicities of five organochlorine compounds in water and sediment to Nereis virens. McLeese DW, et al. **Bull Environ Contam Toxicol** 1982 Feb;28(2):216–20

Evaluation of the stress exerted by a polluted environment to a marine organism by comparative toxicity tests. Moraïtou-Apostolopoulou M, et al. **Bull Environ Contam Toxicol** 1982 Apr;28(4):416–23

Acute metabolic responses of lotic epilithic communities to total residual chlorine. Osborne LL. **Bull Environ Contam Toxicol** 1982 May;28(5):524–9

Toxic effect and accumulation of atrazine in algae. Véber K, et al. **Bull Environ Contam Toxicol** 1981 Dec;27(6):872–6

Comparative study of the effects of zinc, cadmium, and copper on the larval growth of three oyster species. Watling HR. **Bull Environ Contam Toxicol** 1982 Feb; 28(2):195–201

Microsomal mixed-function oxidases in fish in relation to environmental contamination by organochlorine insecticides. Yahalomi Z, et al. **Comp Biochem Physiol [C]** 1981;70(1):97–102

Effects of treated municipal wastewater on the hepatic, xenobiotic, and steroid metabolism in trout. Förlin L, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):41–8

Joint toxicity of mixtures of 8 and 24 chemicals to the guppy (Poecilia reticulata). Hermens J, et al. **Ecotoxicol Environ Safety** 1982 Jun;6(3):302–10

Cytopathology of the brain and retina of embryonic surf smelt (Hypomesus pretiosus) exposed to crude oil. Hawkes JW, et al. **Environ Res** 1982 Feb;27(1):164–78

Effect of Cu2+ stress on an aquatic microcosm: a holistic study. Sugiura K, et al. **Environ Res** 1982 Apr;27(2):307–15

Toxicological response of rats fed Lake Ontario or Pacific Coho salmon for 28 days. Villeneuve DC, et al. **J Environ Sci Health [B]** 1981;B16(6):649–89

Chemicals in marine and coastal environments: the need for toxicological information. Johnson AR. **J Toxicol Clin Toxicol** 1982 Apr;19(2):113–9

Short-term oral toxicity of a 2,4,6-trinitrotoluene and hexahydro-1,3,5-trinitro-1,3,5-triazine mixture in mice, rats, and dogs. Dilley JV, et al. **J Toxicol Environ Health** 1982 Apr;9(4):587–610

Short-term oral toxicity of 2,4,6-trinitrotoluene in mice, rats, and dogs. Dilley JV, et al. **J Toxicol Environ Health** 1982 Apr;9(4):565–85

Single-dose and repeated-exposure toxicity of a complex wastewater from munitions manufacturing plants. Tyson CA, et al. **J Toxicol Environ Health** 1982 Apr;9(4):545–64

Assessing consequences of marine pollution by hydrocarbons using sponges as model organisms. Zahn RK, et al. **Sci Total Environ** 1981 Sep;20(2):147–69

Toxic effects of chromic sulphate on the common carp, Cyprinus carpio. Wong MH, et al. **Toxicol Lett** 1982 Feb; 10(2–3):225–32

[A study on the influence of arsenic polluted drinking water on human health (author transl)] Zhang FM. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):173–4 **(Chi)**

[Metamorphosis of Hyla arborea and of Rana esculenta in conditions of environmental pollution: a biostatistical study] Bisio S, et al. **Boll Soc Ital Biol Sper** 1981 Oct 15; 57(19):1950–6 (Eng. Abstr.) **(Ita)**

[Toxicity of water pollutants estimated by measurement of the locomotor activity of Daphnia magna] Rybak M. **Rocz Panstw Zakl Hig** 1981;32(4):345–9 (Eng. Abstr.) **(Pol)**

[Hygienic standard for dioxalim in reservoir water] Fomochkin IP, et al. **Gig Sanit** 1982 Jun;(6):70–2 **(Rus)**

[Experimental data on the hygienic standards for benzotriazole in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1981 Nov;(11):70–1 **(Rus)**

[Establishment of the maximum permissible concentration triethylene glycol ethyl ether in reservoir water] Kondratiuk VA, et al. **Gig Sanit** 1982 May;(5):84–5 **(Rus)**

[Hygienic standard for dichlorantin and its transformation product dimethylhydantoin in an aqueous medium] Korolev AA, et al. **Gig Sanit** 1982 Jun;(6):76–8 **(Rus)**

[Methodological approaches to setting the maximum permissible load of nitrites and nitrates taken in with water and food] Krasovskiĭ GN, et al. **Gig Sanit** 1982 Apr;(4):23–4 (Eng. Abstr.) **(Rus)**

[Hygienic basis for the maximum permissible concentration of triethyleneglycol dimethacrylate in reservoir water] Manenko AK, et al. **Gig Sanit** 1982 Apr;(4):17–9 (Eng. Abstr.) **(Rus)**

[Hygienic assessment of 2 new surface-active substances as a pollution factor in water sources] Perminov VI, et al. **Gig Sanit** 1982 Feb;(2):85–6 **(Rus)**

[Hygienic standard for laurylpropylenediamine in reservoir waters] Rudeĭko VA, et al. **Gig Sanit** 1982 Feb;(2):11–3 **(Rus)**

[Hygienic standard for the allowable content of Dosanex in food products and reservoir waters] Sakhkalian EO. **Gig Sanit** 1982 Feb;(2):13–5 (Eng. Abstr.) **(Rus)**

WATER POLLUTANTS, CHEMICAL see under **WATER POLLUTANTS**

WATER POLLUTANTS, RADIOACTIVE see under **WATER POLLUTANTS**

WATER POLLUTION

Assessment of bifidobacteria as indicators of human fecal pollution. Resnick IG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):433–8

Effect of pollution on some freshwater species. I. histochemical and biochemical features of lead pollution on some organs of Viviparus viviparus L. (Mollusca Gastropoda). Benedetti I, et al. **Basic Appl Histochem** 1982; 26(2):79–87

Intraparticle diffusivity of methylene blue into porous activated carbon. Boki K, et al. **Bull Environ Contam Toxicol** 1981 Nov;27(5):610–5

Avoidance of dredge spoil by herring (Clupea harengus harengus). Johnston DW, et al. **Bull Environ Contam Toxicol** 1981 Mar;26(3):307–14

Edward Frankland's early career as London's official water analyst, 1865–1876: the context of 'previous sewage contamination'. Hamlin C. **Bull Hist Med** 1982 Spring; 56(1):57–76

Coliphages as ecological indicators of enteroviruses in various water systems. Simková A, et al. **Bull WHO** 1981; 59(4):611–8

Effects of crude oil on swimming behavior and survival in the rice rat. Wolfe JL, et al. **Environ Res** 1981 Dec; 26(2):486–9

The sanitary condition of rural drinking water in a Nile Delta village. I. Parasitological assessment of 'zir' stored and direct tap water. Khairy AE, et al. **J Hyg (Lond)** 1982 Feb;88(1):57–61

Prenatal toxicology of shale oil retort water in mice. Gregg CT, et al. **J Toxicol Environ Health** 1981 Nov–Dec; 8(5–6):795–804

The role of water in relation to diarrhoeal disease. Cutting WA, et al. **J Trop Med Hyg** 1982 Feb;85(1):31–9

Oocyst-transmitted toxoplasmosis associated with ingestion of contaminated water. Benenson MW, et al. **N Engl J Med** 1982 Sep 9;307(11):666–9

Rapid assessment of sources of air, water, and land pollution. **WHO Offset Publ** 1982;62:1–113

Bacterial pollution indicators in the intestinal tract of various fish species living an Amir-Kolayeh lagoon. Nuhi A, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(7):566–71

[Problems of aquaculture: brackish water and water cultivation potential] Zaouali J. **Arch Inst Pasteur Tunis** 1981 Mar–Jun;58(1–2):93–103 **(Fre)**

[Epidemic of bacillary dysentery] Auger P, et al. **Can Med Assoc J** 1981 Oct 1;125(7):733–6 (Eng. Abstr.) **(Fre)**

[Bacterial indicators of fecal pollution in irrigation waters of vegetable gardens supplying the municipality of Natal, State of Rio Grande do Norte (Brazil)] Chagas SD, et al. **Rev Saude Publica** 1981 Dec;15(6):629–42 (Eng. Abstr.) **(Por)**

[Current status of the problem of bacterial and viral pollution of the coastal zone of seas] Bondarenko VI, et al. **Gig Sanit** 1982 Mar;(3):57–60 **(Rus)**

[Ecological tolerance of Salmonellae isolated from the water of surface reservoirs] Androsova SV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jun;(6):33–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Variation in fecal pollution indicators through tidal cycles in the Fraser River estuary. Churchland LM, et al. **Can J Microbiol** 1982 Feb;28(2):239–47

Rural water supply and the problem of health in village India, case of the Varanasi District. Bilas R, et al. **Geogr Med** 1981;11:65–85

[Principles of photometry and gas chromatography and their significance in the hygienic assessment of water] Thielemann H. **Z Gesamte Hyg** 1981 Apr;27(4):274–7 (Erg. Abstr.) **(Ger)**

[Use of simplified hydrobiological tests for evaluation of purity of water of the rivers Biała, Supraśl and Narew] Januszko T, et al. **Rocz Akad Med Bialymstoku** 1980; 25:75–89 (20 ref.) (Eng. Abstr.) **(Pol)**

[Hygienic aspects of the choice of methods of predicting the sanitary status of bodies of water within the territorial limits of industrial complexes] Krasovskiĭ GN, et al. **Gig Sanit** 1982 Mar;(3):49–53 **(Rus)**

PREVENTION & CONTROL

Studies on the hygiene of drinking water for laboratory animals. 2. Clinical and biochemical studies in rats and rabbits during long-term provision of acidified drinking water. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr; 15(2):111–7

Studies on the hygiene of drinking water for laboratory animals. 1. The effect of various treatments on bacterial contamination. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr;15(2):107–10

Some aspects of pollution from ships and yachts. Kirkman AH. **R Soc Health J** 1982 Apr;102(2):63–6

Shellfish, pollution and the problems of control. Willingham R. **R Soc Health J** 1982 Apr;102(2):58–62

A survey of fungi and some indicator bacteria in chlorinated water of indoor public swimming pools. Aho R, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):242–9

Removal of indicator organisms by chemical treatment of wastewater. De Zutter L, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):266–72

[Mode of action of chloramines in the treatment of drinking water—a literature review] Thielemann H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):225–31 (65 ref.) (Eng. Abstr.) **(Ger)**

[Hygienic and microbiological influences exerted on natural water biotopes by algae and the growth of water plants. 2. Communication: improvement of the chemical and bacteriological water quality by the natural growth of aquatic plants (author's transl)] Gräf W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(6):530–55 (Eng. Abstr.) **(Ger)**

[Important hygienic aspects for swimming pools (author's transl)] Somosi G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):260–5 (Eng. Abstr.) **(Ger)**

[Use of a cartographic method for predicting the sanitary status of reservoirs in large industrial districts] Karpushin NM, et al. **Gig Sanit** 1981 Jul;(7):43–5 **(Rus)**

[Research results in water hygiene and the sanitary protection of reservoirs in the 10th Five-Year Plan] Novikov IuV, et al. **Gig Sanit** 1981 Jun;(6):31–4 **(Rus)**

[Means of improving the effectiveness of sewage dehelminthization in treatment installations before its feeding into irrigation] Romanenko NA, et al. **Gig Sanit** 1981 Nov;(11):63–4 **(Rus)**

WATER POLLUTION, CHEMICAL

see related
EUTROPHICATION

The effect of benzo[a]pyrene on sponges as model organisms in marine pollution. Zahn RK, et al. **Chem Biol Interact** 1982 Mar 15;39(2):205–20

Mutagenicity in Salmonella typhimurium and structure-activity relationships of wastewater components emanating from the manufacture of trinitrotoluene. Spanggord RJ, et al. **Environ Mutagen** 1982;4(2):163–79

Behavioral effects of chemicals in drinking water. Rotton J, et al. **J Appl Psychol** 1982 Apr;67(2):230–8

Acid-base and electrolyte status in carp (Cyprinus carpio) exposed to low environmental pH. Ultsch GR, et al. **J Exp Biol** 1981 Aug;93:65–80

Effect of chemical water pollution on the physiological activity of microorganisms. Daubner I, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):286–92

Chlordane contamination of a public water supply—Pittsburgh, Pennsylvania. **MMWR** 1981 Nov 27; 30(46):571–2, 577–8

[Mercury and methylmercury pollution of fishery products.

Toxicological effects on human health (author's transl)] Gras G, et al. **Toxicol Eur Res** 1981 Sep;3(5):243–59 (Eng. Abstr.) **(Fre)**

[Problems of refining surface waters on the basis of their current degree of contamination] Zamfir G, et al. **Z Gesamte Hyg** 1982;28(1):42–6 (Eng. Abstr.) **(Ger)**

[Pollution of underground water sources with chemical substances] Nastasă V. **Rev Med Chir Soc Med Nat Iasi** 1981 Apr–Jun;85(2):333–5 (Eng. Abstr.) **(Rum)**

[Possible use of laboratory marine ecosystems in water toxicology] Beletskiĭ VI, et al. **Biol Nauki** 1982;(2):65–70 **(Rus)**

[Effect of seawater pollution on the vital activities of pathogenic and sanitary indicator bacteria] Talaeva IuG, et al. **Gig Sanit** 1982;(1):9–12 (Eng. Abstr.) **(Rus)**

ANALYSIS

Occurrence and fate of certain triphenylmethane blue dyestuffs in the aquatic environment. Richardson ML, et al. **Ecotoxicol Environ Safety** 1981 Dec;5(4):424–36

A quality assurance program for determination of herbicides in estuarine waters. Gaskill A Jr, et al. **J Environ Sci Health [B]** 1981;B16(4):453–63

Environmental contamination associated with administration of test chemicals in drinking water. Sansone EB, et al. **Lab Anim Sci** 1982 Jun;32(3):269–72

[The statistical concentration distribution of chemical elements in drinking water] Kalpasanov J, et al. **Z Gesamte Hyg** 1981 Oct;27(10):800–1 **(Ger)**

[Nutrient input in lakes by bathers (author's transl)] Schulz L. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):528–48 (Eng. Abstr.) **(Ger)**

[Synthetic detergent (MBAS) in river and sewage water, Kagoshima City, Japan (author's transl)] Watanabe N. **Nippon Eiseigaku Zasshi** 1981 Dec;36(5):795–800 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Environmental plea: eliminate mercurimetric chloride tests [editorial] Rosenbaum JM, et al. **Am J Clin Pathol** 1982 Apr;77(4):512–3

Metabolism of complex mixtures of oil spill surfactant compounds by a representative teleost (Salmo gairdneri), crustacean (Cancer irroratus), and mollusc (Chlamys islandicus). Payne JF. **Bull Environ Contam Toxicol** 1982 Mar;28(3):277–80

The chemical pollution of the environment and especially of the water sources which are raising special problems of prevention and combat. Zamfir G. **Rev Med Chir Soc Med Nat Iasi** 1981;85(1):45–8

[Sanitation of the drinking water supply from shallow water tables in Munich] Tscharntke D. **Off Gesundheitswes** 1982 Jun;44(6):427–30 **(Ger)**

[The use of Eichornia crassipes for the improvement of some characteristics of water] Forgione P, et al. **Boll Soc Ital Biol Sper** 1982 Mar 15;58(5):241–5 (Eng. Abstr.) **(Ita)**

[Prevention of reservoir pollution from pesticide and mineral fertilizer residues originating with surface runoff] Goncharuk EI, et al. **Gig Sanit** 1981 Nov;(11):13–5 (Eng. Abstr.) **(Rus)**

[Experience in employing a scheme for the staged hygienic regulation of chemical substances in the industrial pollution of reservoirs] Krasovskiĭ GN, et al. **Gig Sanit** 1981 Nov; (11):42–5 **(Rus)**

[Sanitary status of the Belaya River in relation to water protection measures] Mingazetdinov AA. **Gig Sanit** 1982 Feb;(2):86–7 **(Rus)**

[Suggested maximum allowable acrylamide concentration in bodies of water] Rumiantsev GI, et al. **Gig Sanit** 1981 Dec; (12):58–60 **(Rus)**

[Problems of the sanitary protection of the water supply sources with the use of poisonous chemicals in agriculture] Zakharov VN, et al. **Gig Sanit** 1982 May;(5):77 **(Rus)**

[Experience in using microorganism associations for purifying bilge water of petroleum products] Kvasnikov EI, et al. **Mikrobiol Zh** 1982 Mar–Apr;44(2):75–7 **(Rus)**

[National Contingency Plan] **Salud Publica Mex** 1981 May–Jun;23(3):313–5 **(Spa)**

[Abbreviated version of the National Contingency Plan for Combatting and Controlling Emissions of Hydrocarbons and Other Harmful Substances into the Sea] **Salud Publica Mex** 1982 Jan–Feb;24(1):86–95 **(Spa)**

WATER POLLUTION, RADIOACTIVE

Bioaccumulation of 95mTc in fish and snails. Blaylock BG, et al. **Health Phys** 1982 Mar;42(3):257–66

Decrease of radionuclides in Columbia river biota following closure of Hanford reactors. Cushing CE, et al. **Health Phys** 1981 Jul;41(1):59–67

Application of 235Np in experimental aquatic radioecology: preliminary observations on neptunium behaviour in sea water, sediments and zooplankton. Fowler SW, et al. **Health Phys** 1982 Apr;42(4):515–20

Fixation and mobilization of 60Co on sediments in coastal environments. Mahara Y, et al. **Health Phys** 1981 Oct; 41(4):645–55

The gastrointestinal absorption of plutonium in the hamster after ingestion at low concentrations in drinking water. Stather JW, et al. **Health Phys** 1981 Nov;41(5):780–3

Tritium incorporation in rats chronically exposed to tritiated food or tritiated water for three successive generations. Pietrzak-Flis Z, et al. **J Radiat Res (Tokyo)** 1981 Dec; 22(4):434–42

[Results of 17 years of hydrologic surveillance of a nuclear site (1962–1978)] Paulin R, et al. **Dakar Med** 1981;26 Spec No:97–103 **(Fre)**

[Effects of low-level chronic irradiation on aquatic organisms (author's transl)] Etoh H. **Radioisotopes** 1980 Oct; 29(10):503–12 **(Jpn)**

[Radionuclide absorption by fresh-water plants under natural conditions] Piskunov LI, et al. **Radiobiologiia** 1981 Sep–Oct;21(5):730–6 **(Rus)**

ANALYSIS

Plutonium suspension from seawater. Garland JA, et al. **Health Phys** 1981 Aug;41(2):279–83

New water sampler. Kristoff LM, et al. **Health Phys** 1981 Aug;41(2):381–3

Development of a continuous monitor for 226Ra in water. Ziegelheim CJ, et al. **Health Phys** 1982 Mar;42(3):317–27

Activity ratios of 241Pu/239+240Pu and 238Pu/239+240Pu in fall-out samples collected in the period of 1961–1968. Matsunami T, et al. **J Radiat Res (Tokyo)** 1981 Mar; 22(1):154–9

[Method of evaluating the radiological capacity of reservoirs] Katkov AE. **Gig Sanit** 1982 Feb;(2):87–8 **(Rus)**

WATER POLLUTION, THERMAL

Naegleria fowleri and heated aquatic environments: a possible mechanism. Delattre JM, et al. **Ann Soc Belg Med Trop** 1981 Dec;61(4):441–52

Seasonal temperature and power plant chlorination effects on estuarine invertebrates. Margrey SL, et al. **Arch Environ Contam Toxicol** 1981 Nov;10(6):691–703

WATER SOFTENING

Water hardness, myocardial metal concentrations, and sudden coronary death [letter] Chipperfield B. **Am Heart J** 1982 Jun;103(6):1085–6

[Effect of low-salinity drinking water on population health] Arkhipov AS. **Gig Sanit** 1982 May;(5):74–5 **(Rus)**

[Action of the mineral content level of desalinized conditioned water of the bicarbonate class on the gonadal function in male white rats] Balashov OI, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):40–5 (Eng. Abstr.) **(Rus)**

METHODS

[Decontaminating effect of different methods of desalinizing chemically polluted seawater] Rakhmanin IuA, et al. **Gig Sanit** 1982 Feb;(2):15–8 (Eng. Abstr.) **(Rus)**

[Evaluation of methods for mineralizing regenerated drinking water by using conductometry] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 1981;15(3):75–8 **(Rus)**

WATER SUPPLY

High sodium in drinking water and its effect on blood pressure. Hallenbeck WH, et al. **Am J Epidemiol** 1981 Dec; 114(6):817–26

Source of drinking water at home and site-specific cancer incidence in Washington County, Maryland. Wilkins JR 3d, et al. **Am J Epidemiol** 1981 Aug;114(2):178–90

Rural drinking water supply. Fang XY, et al. **Am J Public Health** 1982 Sep;72(9 Suppl):52–3

Giardia prevalence among 1-to-3-year-old children in two Washington State counties. Harter L, et al. **Am J Public Health** 1982 Apr;72(4):386–8

Antibiotic-resistant bacteria in drinking water. Armstrong JL, et al. **Appl Environ Microbiol** 1981 Aug;42(2):277–83

Microbiological examination of sebeel water. Hammad ZH, et al. **Appl Environ Microbiol** 1982 Jun;43(6):1238–43

Coliform inhibition by bacteriocin-like substances in drinking water distribution systems. Means EG, et al. **Appl Environ Microbiol** 1981 Sep;42(3):506–12

Detection of viruses in drinking water by concentration on magnetic iron oxide. Rao VC, et al. **Appl Environ Microbiol** 1981 Sep;42(3):421–6

Hot water systems as sources of Legionella pneumophila in hospital and nonhospital plumbing fixtures. Wadowsky RM, et al. **Appl Environ Microbiol** 1982 May;43(5):1104–10

Effect of ozonation and chlorination on the mutagenic potential of drinking water. Dolara P, et al. **Bull Environ Contam Toxicol** 1981 Jul;27(1):1–6

Effect of water treatment on mutagenic potential. Flanagan EP, et al. **Bull Environ Contam Toxicol** 1981 Dec; 27(6):765–72

Detection of chloroform in the tissues of freshly eviscerated poultry carcasses exposed to water containing added chlorine or chlorine dioxide. Robinson D, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):145–50

Strategies for financing water and sanitation projects. Shipman H. **Bull Pan Am Health Organ** 1981;15(3):208–15

Caries in primary dentition and social class in high and low fluoride areas. Hausen H, et al. **Community Dent Oral Epidemiol** 1982 Feb;10(1):33–6

Power plant chlorination effects on estuarine and marine organisms. Hall LW Jr, et al. **CRC Crit Rev Toxicol** 1982; 10(1):27–47 (111 ref.)

An assessment of the implication of nitrate-rich water on salivary nitrate. Weisenberg E, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):97–101

Statistical dosimetry of radiation to oocytes from DNA-bound tritium. Slatkin DN, et al. **Health Phys** 1982 Jan;42(1):77–80

The gastrointestinal absorption of plutonium in the hamster after ingestion at low concentrations in drinking water. Stather JW, et al. **Health Phys** 1981 Nov;41(5):780–3

Inorganic fluorides used in drinking-water and dental preparations. **IARC Monogr Eval Carcinog Risk Chem Hum** 1982 Apr; 27:237–303

Some aromatic amines, anthraquinones and nitroso compounds, and inorganic fluorides used in drinking-water and dental preparations. **IARC Monogr Eval Carcinog Risk Chem Hum** 1982 Apr; 27:1–341

Cancer and drinking water in Louisiana: colon and rectum. Gottlieb MS, et al. **Int J Epidemiol** 1981 Jun;10(2):117–25

Dracontiasis in Rajasthan. VI. Epidemiology of dracontiasis in Barmer district, Western Rajasthan, India. Johnson S, et al. **Int J Epidemiol** 1982 Mar;11(1):26–30

Isolation of Legionella pneumophila from hospital potable water specimens: comparison of direct plating with guinea pig inoculation. Edelstein PH, et al. **J Clin Microbiol** 1982 Jun;15(6):1092–6

The incidence of anencephalus in the Fylde peninsula 1956–76 and changes in water hardness. Bound JP, et al. **J Epidemiol Community Health** 1981 Jun;35(2):102–5

The sanitary condition of rural drinking water in a Nile Delta village. I. Parasitological assessment of 'zir' stored and direct tap water. Khairy AE, et al. **J Hyg (Lond)** 1982 Feb;88(1):57–61

Gastroenteritis due to Norwalk virus: an outbreak associated with a municipal water system. Kaplan JE, et al. **J Infect Dis** 1982 Aug;146(2):190–7

Initial evaluation of focused ultrasound for in-situ measurements of small particles in flowing water streams. Gatlin LA, et al. **J Parenter Sci Technol** 1981 Sep–Oct; 35(5):227–30

Use of four short-term tests to evaluate the mutagenicity of municipal water. DeMarini DM, et al. **J Toxicol Environ Health** 1982 Jan;9(1):127–40

The role of water in relation to diarrhoeal disease. Cutting WA, et al. **J Trop Med Hyg** 1982 Feb;85(1):31–9

Epidemiologic study of drinking water chlorination and Wisconsin female cancer mortality. Young TB, et al. **JNCI** 1981 Dec;67(6):1191–8

Studies on the hygiene of drinking water for laboratory animals. 1. The effect of various treatments on bacterial contamination. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr;15(2):107–10

Studies on the hygiene of drinking water for laboratory animals. 2. Clinical and biochemical studies in rats and rabbits during long-term provision of acidified drinking water. Tober-Meyer BK, et al. **Lab Anim** 1981 Apr; 15(2):111–7

Dietary goitrogens [editorial] **Lancet** 1982 Jun 19; 1(8286):1394–5

Legionella pneumophila in water plumbing systems. Dennis PJ, et al. **Lancet** 1982 Apr 24;1(8278):949–51

Effect of iodination of a village water-supply on goitre size and thyroid function. Maberly GF, et al. **Lancet** 1981 Dec 5;2(8258):1270–2

Potable water supply as the hospital reservoir for Pittsburgh pneumonia agent. Stout J, et al. **Lancet** 1982 Feb 27; 1(8270):471–2

Chlordane contamination of a public water supply—Pittsburgh, Pennsylvania. **MMWR** 1981 Nov 27; 30(46):571–2, 577–8

Oocyst-transmitted toxoplasmosis associated with ingestion of contaminated water. Benenson MW, et al. **N Engl J Med** 1982 Sep 9;307(11):666–9

Ubiquitousness of Legionella pneumophila in the water supply of a hospital with endemic Legionnaires' disease. Stout J, et al. **N Engl J Med** 1982 Feb 25;306(8):466–8

Pennsylvania tops other states in water-related diseases. Schmidt JS. **Penn Med** 1982 Mar;85(3):25–9

Alternatives to water chlorination. Neumann HH. **Rev Infect Dis** 1981 Nov–Dec;3(6):1255–7

Quality of groundwater. Proceedings of an International Symposium. Noordwijkerhout, The Netherlands, 23–27 March 1981. **Sci Total Environ** 1981 Nov;21:1–409

Man-made lakes and man-made diseases. Towards a policy resolution. Hunter JM, et al. **Soc Sci Med** 1982; 16(11):1127–45

Nutritional status according to anthropometric measurement of schoolchildren in relation to water resources development scheme. Egoramaiphol S, et al. **Southeast Asian J Trop Med Public Health** 1981 Dec; 12(4):604–6

Food and nutrition monitoring system: an integration for health and socioeconomic development. Migasena P. **Southeast Asian J Trop Med Public Health** 1981 Sep; 12(3):406–9

Environmental sanitation infection and nutritional status of infants in rural St. Lucia, West Indies. Henry FJ. **Trans R Soc Trop Med Hyg** 1981;75(4):507–13

Role of water and sanitation in the incidence of cholera in refugee camps. Khan MU, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):373–7

A caution on iodine water purification. Zemlyn S, et al. **West J Med** 1981 Aug;135(2):166–7

The incidence of water–related diseases in the Brak area, Libya from 1977 to 1979, before and after the installation of water treatment plants. Ghannoum MA, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep; 173(6):501–8

[Legionnaire's disease – current developments] Zanen [illegible]. **Ned Tijdschr Geneeskd** 1982 Jun 12;126(24):1100–1 (Dut)

[Free–living Amoebae in fresh water. Study of the water supply of the town of Poitiers (France) (author's transl)] Jacquemin JL, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep–Oct;74(5):521–4 (Eng. Abstr.) (Fre)

[Control of the quality of water in the framework of a national rural water program on the Ivory Coast. Preliminary results] Viens P, et al. **Bull Soc Pathol Exot Filiales** 1982 May–Jul;75(3):235–41 (Eng. Abstr.) (Fre)

[Community health problems with drinking water dams. Drinking water dam groundwork system in Ostharz] Heilmann S, et al. **Beitr Hyg Epidemiol** 1977;23:1–132 (Ger)

[The reliability of E. coli and coliform germs as markers in drinking water hygiene] Müller HE. **Off Gesundheitswes** 1982 Jun;44(6):374–81 (Ger)

[Prognostic assessment of microbial self–cleaning of ground water from the public health viewpoint] Sidorenko GI, et al. **Z Gesamte Hyg** 1982 May;28(5):321–3 (Ger)

[Mode of action of chloramines in the treatment of drinking water—a literature review] Thielemann H, et al. **Z Gesamte Hyg** 1982 Apr;28(4):225–31 (65 ref.) (Eng. Abstr.) (Ger)

[Occurrence and significance of Actinomycetes in drinking water (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):217–32 (Eng. Abstr.) (Ger)

[Qualitative and quantitative examinations of bacterial found in aquatic habitats. 4. Communication: Comparison of the bacteria of the water an its layer of scum both derived from a reservoir for drinking water (author's transl)] Dott W, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 174(1–2):174–81 (Eng. Abstr.) (Ger)

[Microbial settlement of paint– and building–materials in the sphere of drinking water. 8. Communication: Experimental examination of epoxy resin in laboratory tests (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):356–64 (Eng. Abstr.) (Ger)

[Microbial settlement of paint– and building–materials in the sphere of drinking water. 7. Communication: long time observations in two drinking water reservoirs coated by epoxy resin (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(5):346–55 (Eng. Abstr.) (Ger)

[Microbial settlement of paint– and building–materials in the sphere of drinking–water. 6. Communication: Experimental examination of chlorcaoutchouc paints under working conditions and in laboratory tests (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):197–203 (Eng. Abstr.) (Ger)

[Microbial settlement of paint– and building–materials in the sphere of drinking water. 9. Communication: experimental examination of cement mortar for the lining with tiles (author's transl)] Schoenen D, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(4):375–82 (Eng. Abstr.) (Ger)

[First isolation of Yersinia enterocolitica from drinking water in Austria (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):207–8 (Ger)

[Yersinia enterocolitica in drinking water (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):209–16 (Eng. Abstr.) (Ger)

[Drinking–water and cardiovascular mortality] Senin U, et al. **G Clin Med** 1982 Feb;63(2):109–17 (55 ref.) (Eng. Abstr.) (Ita)

[Studies on the degree of elimination of polycyclic aromatic hydrocarbons (PAH) from water supply. II. Elimination of PAH during treatment of water at the water supply station] Ochocka JR, et al. **Rocz Panstw Zakl Hig** 1981; 32(1):45–52 (Eng. Abstr.) (Pol)

[The environment and cardiovascular disease] Rozenberg S. **Arq Bras Cardiol** 1981 Nov;37(5):403–7 (Eng. Abstr.) (Por)

[Effect of low–salinity drinking water on population health] Arkhipov AS. **Gig Sanit** 1982 May;(5):74–5 (Rus)

[Research results in water hygiene and the sanitary protection of reservoirs in the 10th Five–Year Plan] Novikov IuV, et al. **Gig Sanit** 1981 Jun;(6):31–4 (Rus)

[Methodological problems of studying and predicting the sanitary conditions of water consumption in an area of large industrial complexes] Novikov IuV, et al. **Gig Sanit** 1982 Apr;(4):61–3 (Rus)

[Bacterial contamination of the water supply on sea–going ships and its decontamination in thermal desalinization] Petrov IuN. **Gig Sanit** 1981 Oct;(10):79–80 (Rus)

[Hygienic basis for using polymeric materials in the reverse–osmosis desalination of water in 'filter–press'–type installations] Rakhamanin IuA, et al. **Gig Sanit** 1981 Nov; (11):8–11 (Eng. Abstr.) (Rus)

[Hygienic evaluation of the polyamide membranes, phenilon–2c and the phenolformaldehyde resin VIAM–B, used in reverse–osmosis water desalinization] Rakhmanin IuA, et al. **Gig Sanit** 1981 Oct;(10):19–22 (Eng. Abstr.) (Rus)

[Means of improving the effectiveness of sewage dehelminthization in treatment installations before its feeding into irrigation] Romanenko NA, et al. **Gig Sanit** 1981 Nov;(11):63–4 (Rus)

[Suggested maximum allowable acrylamide concentration in bodies of water] Rumiantsev GI, et al. **Gig Sanit** 1981 Dec; (12):58–60 (Rus)

[Hygienic evaluation of the possible use of 1,3–dichloro–5,5–dimethylhydantoin for the purpose of drinking water decontamination] Semenova AA, et al. **Gig Sanit** 1982 Mar;(3):11–3 (Rus)

[Hygienic importance of the transformation of chemical substances with the formation of chloroform in the process of drinking water decontamination] Sergeev EP, et al. **Gig Sanit** 1981 Jun;(6):56–9 (31 ref.) (Rus)

[Problems of the sanitary protection of the water supply sources with the use of poisonous chemicals in agriculture] Zakharov VN, et al. **Gig Sanit** 1982 May;(5):77 (Rus)

[Hygienic evaluation of new brands of rubber intended for use in a water–supply system under high temperature and active chemical operating modes] Omel'ianets NI, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):70–3 (Eng. Abstr.) (Rus)

[Toxicologic and hygienic studies of water regenerated from oxidant–containing released moisture] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981;15(3):56–9 (Eng. Abstr.) (Rus)

[Toxicological and hygienic aspects of increasing the efficiency of the afterpurification of the water regenerated from urine] Pak ZP, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):51–4 (Eng. Abstr.) (Rus)

[Influence of the Kakhovka Reservoir on the fauna and population count of horseflies] Shevchenko AK, et al. **Med Parazitol (Mosk)** 1981 Jul–Aug;50(4):57–61 (Eng. Abstr.) (Rus)

[Fertility of the female Mansonia richiardii (Culicidae) in the area surrounding the Kakhovka Reservoir] Gozhenko VA. **Parazitologiia** 1982 Mar–Apr;16(2):131–5 (Eng. Abstr.) (Rus)

[Comparative ultrastructural study of the inner medullary zone of the kidney of rodents with varying water access in the habitat environment] Getmanova TN. **Zh Evol Biokhim Fiziol** 1982 Mar–Apr;18(2):172–7 (Eng. Abstr.) (Rus)

[Water–borne outbreaks of rotavirus infections] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mov; (11):100–2 (Eng. Abstr.) (Rus)

[Water–borne epidemic of viral hepatitis and bacillary dysentery] Sokolovski B, et al. **Vojnosanit Pregl** 1982 Jan–Feb;39(1):6–11 (Scr)

[Analysis of the condition of the public water supply in Santa Catarina, Brazil] de Mascarenhas SC. **Bol Of Sanit Panam** 1982 Mar;92(3):258–60 (Spa)

ANALYSIS

Effects of drinking water and total sodium intake on blood pressure. Faust HS. **Am J Clin Nutr** 1982 Jun;35(6):1459–67

Cancer incidence in relation to asbestos in drinking water in the Puget Sound region. Polissar L, et al. **Am J Epidemiol** 1982 Aug;116(2):314–28

Effects of synthesized hard water and of cadmium in the drinking water upon lipid metabolism and cholelithiasis in rabbits. Borgman RF, et al. **Am J Vet Res** 1982 Aug; 43(8):1432–5

The relationship of pulmonary function to copper concentrations in drinking water. Sparrow D, et al. **Am Rev Respir Dis** 1982 Aug;126(2):312–5

Liquid – liquid extraction combined with atomic–absorption spectrometry for determination of copper in water, foods and analytical reagents using 1,2–naphthoquinone thiosemicarbazone. Silva M, et al. **Analyst** 1982 May; 107(1274):511–8

Water sodium and blood pressure in rural school children. Armstrong BK, et al. **Arch Environ Health** 1982 Jul–Aug; 37(4):236–45

An environmental health survey of drinking water contamination by leachate from a pesticide waste dump in Hardeman County, Tennessee. Clark CS, et al. **Arch Environ Health** 1982 Jan–Feb;37(1):9–18

The fluoride content of Melbourne's treated public water. de Freitas JF. **Aust Dent J** 1981 Dec;26(6):377–81

Determination of hexachlorocyclopentadiene at the nanogram per liter level in drinking water. Benoit FM, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):303–8

A survey of azinphos methyl and azinphos methyl oxon in water and blueberry samples from Hancock and Washington counties of Maine. Bushway RJ, et al. **Bull Environ Contam Toxicol** 1982 Mar;28(3):341–7

A survey of trihalomethanes in the drinking water system of Murfreesboro, Tennessee. Kasso WB, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):295–302

Relationships between raw water quality, treatment, and occurrence of organics in Canadian potable water. Otson R, et al. **Bull Environ Contam Toxicol** 1982 Apr; 28(4):396–403

A national survey of tri(haloalkyl)–, trialkyl–, and triarylphosphates in Canadian drinking water. Williams DT, et al. **Bull Environ Contam Toxicol** 1981 Oct; 27(4):450–7

The effect of oral aluminium therapy on plasma aluminium levels in patients with chronic renal failure in an area with low water aluminium. Fleming LW, et al. **Clin Nephrol** 1982 May;17(5):222–7

Nitrate in drinking water and cancer in northern Jutland, Denmark, with special reference to stomach cancer. Jensen OM. **Ecotoxicol Environ Safety** 1982 Jun;6(3):258–67

Mutagenicity of municipal water obtained from an agricultural area. Heartlein MW, et al. **Environ Mutagen** 1981;3(5):519–30

Rural water supply and the problem of health in village India, case of the Varanasi District. Bilas R, et al. **Geogr Med** 1981;11:65–85

An estimate of population exposures due to radon in public water supplies in the area of Houston, Texas. Prichard HM, et al. **Health Phys** 1981 Oct;41(4):599–606

Drinking water as a source of dietary calcium [letter] Marya RK. **Indian J Physiol Pharmacol** 1981 Jan–Mar;25(1):89–90

Geographical distribution and epidemiological incidence of phage–types of Salmonella weltevreden in India during 1958–1974. Sood LR, et al. **Int J Epidemiol** 1981 Jun; 10(2):181–5

Instrumental methods of monitoring and control of water and wastewater treatment processes. Briggs R. **ISA Trans** 1982;21(2):59–73

Determination of organochlorine pesticides and metabolites in drinking water, human blood serum, and adipose tissue. Barquet A, et al. **J Toxicol Environ Health** 1981 Mar–Apr; 7(3–4):469–79

Water hardness and urinary stone disease. Shuster J, et al. **J Urol** 1982 Aug;128(2):422–5

Environmental contamination associated with administration of test chemicals in drinking water. Sansone EB, et al. **Lab Anim Sci** 1982 Jun;32(3):269–72

Critical concentrations of aluminium in water used for dialysis [letter] Hodge KC, et al. **Lancet** 1981 Oct 10; 2(8250):802–3

Cholera and estuarine salinity in Calcutta and London. Miller CJ, et al. **Lancet** 1982 May 29;1(8283):1216–8

Low aluminium water, desferrioxamine, and dialysis encephalopathy [letter] Milne FJ, et al. **Lancet** 1982 Aug 28;2(8296):502

An investigation of organic compounds in night soil and the treated water by gas chromatography–mass spectrometry. Ishikawa T, et al. **Sci Total Environ** 1981 Oct;20(3):241–53

[The relationship between malignancy and fluorine content in the drinking water in Xilinkuolemeng, Nei Menggu (author's transl)] A LT, et al. **Chung Hua Chung Liu Tsa Chih** 1981 Feb;3(1):19–21 (Eng. Abstr.) (Chi)

[Observation on the coagulative and disinfectant effects of SM–92 coagulant for drinking water (author's transl)] Chi QY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):328–9 (Chi)

[Methods for checking and evaluating analytical results of natural water supply (author's transl)] Yan GQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):345–8 (Chi)

[Demographic analysis in surveys of epidemiologic toxicology. Study of male mortality (all causes) in a soft water region] Sartor F. **Arch Belg Med Soc** 1979 Nov–Dec; 37(9–10):527–61 (Eng. Abstr.) (Fre)

[Results of monthly investigations of nitrate content in central water supply installations in the Karl–Marx–Stadt district] Hofmann R, et al. **Z Gesamte Hyg** 1982;28(1):56–8 (Eng. Abstr.) (Ger)

[Fluoride map of the Federal Republic of Germany for the prevention of caries. (Naturally occurring fluoride concentrations in drinking waters of the Federal Republic of Germany) (author's transl)] Eberle G. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Dec; 174(3):191–9 (Eng. Abstr.) (Ger)

[4 cases of infantile methemoglobinemia] Swiątkowska A, et al. **Pol Tyg Lek** 1981 Aug 17;36(33):1273–4 (Eng. Abstr.) (Pol)

[Goiter incidence among children living in the villages in the Białystok district and the concentrations of iodine, calcium and magnesium in drinking water] Januszko T, et al. **Rocz Panstw Zakl Hig** 1981;32(1):37–43 (Eng. Abstr.) (Pol)

[Occurrence of aqueous organisms in tap water. II. Comparative studies of the tap water fed from a surface source and an infiltration well] Luczak J, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):457–62 (Eng. Abstr.) (Pol)

[Health status of school children and the fluorine content in drinking water] Maziarka S, et al. **Rocz Panstw Zakl Hig** 1981;32(2):175–81 (Eng. Abstr.) (Pol)

[Methemoglobinemia and nitrates in water] de Fernicola NG, et al. **Rev Saude Publica** 1981 Apr;15(2):242–8 (Eng. Abstr.) (Por)

[Hygienic evaluation of the complex of water–conservation measures in a commercial sea port] Boev SE, et al. **Gig Sanit** 1981 Sep;(9):66–7 (Rus)

[Use of a cartographic method for predicting the sanitary status of reservoirs in large industrial districts] Karpushin NM, et al. **Gig Sanit** 1981 Jul;(7):43–5 (Rus)

[Limits of the change in the water quality of an underground source hydraulically linked with a river] Kokina AG, et al. **Gig Sanit** 1982;(1):70–1 (Rus)

[Sanitary microbiological evaluation of the effectiveness of treating waste waters from the aniline dye industry for the purpose of their reuse] Zotova VI, et al. **Gig Sanit** 1982 May;(5):18–21 (Eng. Abstr.) **(Rus)**

[Determination of the dissolved carbon in regenerated water obtained in the water supply systems of space vehicles] Koloskova IuS, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):87–9 **(Rus)**

[Deciduous tooth eruption and fluorosis in the case of increased fluorine content in the drinking water] Krylov SS, et al. **Stomatologiia (Mosk)** 1982 Jan–Feb;61(1):75–7 (Eng. Abstr.) **(Rus)**

[The effect of the source of cholinesterase on the sensitivity of the enzyme method for detecting nerve toxins in chemical warfare] Tošović B, et al. **Vojnosanit Pregl** 1981 Sep–Oct;38(5):326–9 **(Scr)**

STANDARDS

The relationship between water quality and health in the London area. Beresford SA. **Int J Epidemiol** 1981 Jun; 10(2):103–15

The sanitary condition of rural drinking water in a Nile Delta village. II. Bacterial contamination of drinking water in a Nile Delta village. El Attar L, et al. **J Hyg (Lond)** 1982 Feb;88(1):63–7

Mini-review: the health implications of water treatment with ozone. Carmichael NG, et al. **Life Sci** 1982 Jan 11; 30(2):117–29 (99 ref.)

Legionella pneumophila in a hospital water supply [letter] Walter CW. **N Engl J Med** 1982 Aug 5;307(6):379–80

[Physical methods (ultrasound) and disinfecting agents for decontaminating the water in poultry meat processing] Ionova I, et al. **Vet Med Nauki** 1981;18(4):99–105 (Eng. Abstr.) **(Bul)**

[Evaluation of methods for improving water quality in rural water supplies (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Nov; 15(6):353–5 **(Chi)**

[Pathogenic microorganisms in the effluent from water purification plants and in the recipient basin] Steuer W. **Off Gesundheitswes** 1982 Jun;44(6):390–6 **(Ger)**

[Sanitation of the drinking water supply from shallow water tables in Munich] Tscharntke D. **Off Gesundheitswes** 1982 Jun;44(6):427–30 **(Ger)**

[Potable water in the popular medical enlightenment literature of Halle in the early 18th century] Kaiser W, et al. **Z Gesamte Hyg** 1981;27(5):365–71 (Eng. Abstr.) **(Ger)**

[Importance of Pseudomonas aeruginosa in a hygienic assessment of a water source] Aleshnia VV, et al. **Gig Sanit** 1982 Mar;(3):76–8 **(Rus)**

[Automatic control over water quality in the population's water supply lines] Novikov IuV, et al. **Gig Sanit** 1982 Jun;(6):52–6 (17 ref.) **(Rus)**

[Experimental evaluation of the toxicity of the hydro–aerosol of circulating waters] Pinigin MA, et al. **Gig Sanit** 1981 Jul;(7):7–9 (Eng. Abstr.) **(Rus)**

[Methodological approaches to the hygienic regulation of hydroaerosols of complex composition based on treated sewage] Tsyganovskaia LKh, et al. **Gig Sanit** 1982 May; (5):52–4 **(Rus)**

[Evaluation of methods for mineralizing regenerated drinking water by using conductometry] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 1981;15(3):75–8 **(Rus)**

[Hygiene principles of operational quality control of regenerated water in space flight] Skuratov VM, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):48–51 (9 ref.) **(Rus)**

[Quality control of drinking water] Martín Ferrández F. **Rev Sanid Hig Publica (Madr)** 1979 Mar–Apr; 53(3–4):317–20 (Eng. Abstr.) **(Spa)**

[Certification of the quality of water for human consumption] **Salud Publica Mex** 1981 May–Jun;23(3):281–2 **(Spa)**

WATERHOUSE–FRIDERICHSEN SYNDROME

DIAGNOSIS

A case of acute fulminating meningococcemia. Nebens IA, et al. **Am J Nurs** 1982 Sep;82(9):1390–3

ETIOLOGY

Waterhouse–Friderichsen syndrome caused by Haemophilus influenzae type b in an adult. Sjursen H, et al. **Infection** 1981;9(6):300–1

Fatal Haemophilus influenzae type f infection [letter] Williams M, et al. **Lancet** 1982 Mar 13;1(8272):630

[Etiologic and pathogenetic factors in Waterhouse–Friderichsen syndrome (author's transl)] Althoff H. **Z Rechtsmed** 1982;88(3):173–84 (Eng. Abstr.) **(Ger)**

WAXES

see related
CERUMEN
INLAY CASTING WAX

Buccal radiopacities associated with cosmetic wax implants. Kemp HK. **Br Dent J** 1982 Feb 16;152(4):134

Corrective impression waxes. A simple formula. McCrorie JW. **Br Dent J** 1982 Feb 2;152(3):95–6

Improved diethylene glycol distearate embedding wax. Graham ET. **Stain Technol** 1982 Jan;57(1):39–43

[Horsley's wax] Beneš V, et al. **Rozhl Chir** 1982 Feb; 61(2):141–3 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

A novel wax stick preparation of anthralin. Chalmers RJ, et al. **Acta Derm Venereol (Stockh)** 1982;62(2):181–2

[Intrahepatic hemodynamics of chronic cholecystitis in the process of combined treatment including ozokerite applications] Pilipenko VZ, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):47–50 (Eng. Abstr.) **(Rus)**

ANALYSIS

Variability in the fatty acid composition of wax esters from vernix caseosa and its possible relation to sebaceous gland activity. Stewart ME, et al. **J Invest Dermatol** 1982 Apr; 78(4):291–5

METABOLISM

Formation of ether lipids and wax esters in mammalian cells. Specificity of enzymes with regard to carbon chains of substrates. Weber N, et al. **Biochim Biophys Acta** 1982 May 13;711(2):197–207

Absorption and distribution of orally administered jojoba wax in mice. Yaron A, et al. **Lipids** 1982 Mar;17(3):169–71

PHARMACODYNAMICS

[Morphological integument changes of the internal organs as affected by applications of ozokerite of various compositions (an experimental study)] Pis'ko GT, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):57–8 **(Rus)**

THERAPEUTIC USE

[Treatment of wounds, suppurative inflammatory and cicatricial sclerotic diseases using ozokerite] Udod VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):56 **(Rus)**

WEANING

Plasma constituents in the sow. Minerals, glucose, urea–N, protein and transaminases in relation to weaning. Benjaminsen E, et al. **Acta Vet Scand** 1981;22(3–4):382–90

Synergistic effects of diet, thyroxine and glucocorticoid hormones on amylase activity in parotid glands of growing rats. Kumegawa M, et al. **Arch Oral Biol** 1981;26(7):631–3

Effect of premature weaning on amino acid uptake by the mammary gland of lactating rats. Viña JR, et al. **Biochem J** 1981 Dec 15;200(3):705–8

Role of milk–borne factors in weaning and intestinal development. Henning SJ. **Biol Neonate** 1982; 41(5–6):265–72

Mania associated with weaning: a hypothesis [letter] Abou–Saleh MT. **Br J Psychiatry** 1982 May;140:547–8

Mania associated with weaning. Joyce PR, et al. **Br J Psychiatry** 1981 Oct;139:355–6

Untoward effects of weaning [editorial] Gerrard JW. **Can Med Assoc J** 1982 May 15;126(10):1133–4

The lactation–blocking drug bromocriptine and its application to studies of weaning and behavioral development. Martin P, et al. **Dev Psychobiol** 1982 Mar; 15(2):139–57

Dietary calcium and phosphorus levels for weanling swine. Mahan DC. **J Anim Sci** 1982 Mar;54(3):559–64

Genetic, phenotypic and environmental correlations among performance traits estimated from Limousin field data. Massey ME, et al. **J Anim Sci** 1982 Jan;54(1):46–50

Beef X beef and dairy X beef females mated to Angus and Charolais sires II. Calf growth, weaning rate and cow productivity. Nelson LA, et al. **J Anim Sci** 1982 Jun; 54(6):1150–9

Preweaning growth rate and weaning traits of Angus, zebu and zebu–cross cattle. Reynolds WL, et al. **J Anim Sci** 1982 Feb;54(2):241–7

Interval to estrus in sows and performance of pigs after alteration of litter size during late lactation. Stevenson JS, et al. **J Anim Sci** 1981 Jul;53(1):177–81

The age of weaning in Britain 1500–1800. Fildes V. **J Biosoc Sci** 1982 Apr;14(2):223–40

Immediate and late effects of premature weaning of rats to diets containing starch or low levels of sucrose. Angel JF, et al. **J Nutr** 1981 Oct;111(10):1805–15

Effects of premature weaning on the metabolic response to dietary sucrose in adult rats. Back DW, et al. **J Nutr** 1982 May;112(5):978–85

Non–essential role of dietary factors in the development of diabetes in ob/ob mice. Dubuc PU. **J Nutr** 1981 Oct; 111(10):1742–8

Relationships among maternal diet, serotonin metabolism at weaning, and protein selection of progeny. Leprohon CE, et al. **J Nutr** 1982 Jan;112(1):29–38

Plasma cortisol response to different methods of weaning in rhesus monkey (Macaca mulatta) infants. Golub MS, et al. **Lab Anim Sci** 1981 Aug;31(4):400–2

Bitter drugs replacing bitter plant juice to stop infants breast feeding [letter] Barnabas G, et al. **Lancet** 1982 May 15; 1(8281):1133

Modulation of pancreatic muscarinic receptors by weaning. Dumont Y, et al. **Life Sci** 1982 Jan 18;30(3):253–7

Effect of early weaning and prolonged nursing on development of the rat pancreas. Lee PC, et al. **Pediatr Res** 1982 Jun;16(6):470–3

Riboflavin status in infants born in rural Gambia, and the effect of a weaning food supplement. Bates CJ, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):253–8

Weanling diarrhoea in The Gambia: implications of a jejunal intubation study. Rowland MG, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):215–8

Prevention of post weaning mastitis in ewes. Hendy PG, et al. **Vet Rec** 1981 Jul 18;109(3):56–7

[Activities of glutamate–oxalate and glutamate–pyruvate transaminases, alkaline phosphatase and lactate dehydrogenase in the serum of lambs weaned at different ages] Petkova E. **Vet Med Nauki** 1982;19(2):46–51 (Eng. Abstr.) **(Bul)**

[Changes in the blood biochemical indices of lambs weaned at different ages] Petkova E, et al. **Vet Med Nauki** 1981; 18(9):29–36 (Eng. Abstr.) **(Bul)**

[Effects of post–weaning rearing conditions on learning performance in 'dwarf' mice (author's transl)] Bouchon R, et al. **Physiol Behav** 1982 Jun;28(6):971–8 (Eng. Abstr.) **(Fre)**

[Effects of ethinyloestradiol sulphonate in soft–gelatin capsules on coagulation parameters of weaning women (author's transl)] Webber B, et al. **Zentralbl Gynakol** 1982; 104(1):75–9 (Eng. Abstr.) **(Ger)**

[Heart rates in male Wistar rats reared under different conditions of the weaning period and social housing (author's transl)] Nomura K, et al. **Nippon Seirigaku Zasshi** 1982;44(4):146–62 (Eng. Abstr.) **(Jpn)**

WEATHER

A new method for securing impressions in snow. Carlsson K. **Am J Forensic Med Pathol** 1981 Sep;2(3):277–8

Acid rain and the eye [letter] Basu PK. **Can Med Assoc J** 1981 Aug 15;125(4):338

Lead contamination associated with snowmobile trails. Collins BJ, et al. **Environ Res** 1982 Feb;27(1):159–63

Rain and the urge to urinate: clinical observations concerning external events, surmounted impulses and repression. Renik O. **Int J Psychoanal** 1981;62(Pt 1):105–11

Effects of atmospheric electricity on some substrates of disordered social behavior. Charry JM, et al. **J Pers Soc Psychol** 1981 Jul;41(1):185–97

Weather and infradian rhythms in self–reports of health, sleep and mood measures. Whitton JL, et al. **J Psychosom Res** 1982;26(2):231–5

Wet season vegetable protein use among riverine tropical American cultures: a neglected adaptation? Blank PW. **Soc Sci Med [D]** 1981 Nov;15D(4):463–9

Models based on weather for the development phases of the sheep tick, Ixodes ricinus L. Gardiner WP, et al. **Vet Parasitol** 1981 Oct;9(1):75–86

Weather induced changes in airborne bacteria within a calf house. Jones CR, et al. **Vet Rec** 1981 Nov 28;109(22):493–4

Weather and animal well–being. Starr JR. **Vet Rec** 1981 Jul 18;109(3):49–50 (25 ref.)

[Residual organochlorine in snow and rain (author' transl)] Wang JB, et al. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):44–5 **(Chi)**

[Research on meteorotropism for use in medicometeorological forecasts at spas] Matoušek J, et al. **Fysiatr Reumatol Vestn** 1981 Aug;59(4):208–11 (Eng. Abstr.) **(Cze)**

[Weather conditions in myocardial infarction, cerebrovascular strokes and suicide attempts] Besançon F, et al. **Sem Hop Paris** 1981 Oct 18–25;57(39–40):1609–11 **(Fre)**

[Contamination of glacier layers in alpine glaciers with radioactive split products] Ambach W. **Med Welt** 1981 Oct 16;32(42):1574–7 **(Ger)**

[Historical observations in the weather and climate effect on diseases discussed from today's view] Swantes HJ, et al. **Med Welt** 1981 Nov 20;32(47):1802–7 **(Ger)**

[The influence of meteorological conditions on the side effects of contrast media during infusion urograms (author's transl)] Wolf KJ, et al. **ROFO** 1981 Dec;135(6):721–7 (Eng. Abstr.) **(Ger)**

[The pathogenesis of pulmonary edema after being buried by an avalanche] Schmid F. **Schweiz Med Wochenschr** 1981 Sep 26;111(39):1441–5 (Eng. Abstr.) **(Ger)**

[Snow–related trauma in Jerusalem during the winter of 1980] Adler J, et al. **Harefuah** 1982 Jan 1;102(1):7–9 (Eng. Abstr.) **(Heb)**

[Epidemiological studies of food poisoning. 2. Statistical analysis of relationship between weather and food poisoning] Murata G. **Kansenshogaku Zasshi** 1981 Sep; 55(9):649–62 **(Jpn)**

[Meteorological radars as an energy source of a superhigh–frequency range electromagnetic field and environmental hygiene problems] Dumanskiĭ IuD, et al. **Gig Sanit** 1982 Feb;(2):7–11 (Eng. Abstr.) **(Rus)**

[Meteotropic reactions in rheumatism in children living in Central Kazakhstan] Chuchupalov DP. **Pediatriia** 1981 Sep; (9):40–1 **(Rus)**

[Effect of solar irradiation of various intensities on cardiovascular patients in a fluctuating weather system in western Siberia] Iakovenko ES, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr;(2):44–7 **(Rus)**

[State of the cardiopulmonary system in patients with hypertension in weather with different meteoropathic effects] Ovcharova VF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec;(6):14–8 (Eng. Abstr.) **(Rus)**

[Quantitative relation between the efficacy of mud therapy and weather changes in patients with rheumatic diseases] Undla NIu, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec;(6):10–4 (Eng. Abstr.) **(Rus)**

[Effect of meteorological changes on the occurrence of cerebrovascular accidents] Hernández Quero J, et al. **Rev Clin Esp** 1981 Aug 15–31;162(3–4):127–30 (Eng. Abstr.) **(Spa)**

WEAVER MICE see **MICE, NEUROLOGIC MUTANTS**

WEBER–CHRISTIAN DISEASE see **PANNICULITIS, NODULAR NONSUPPURATIVE**

WECHSLER SCALES

Immediate and delayed reinforcement on WISC–R performance for mentally retarded students. Young RM, et al. **Appl Res Ment Retard** 1982;3(1):13–20

Psychometric assessment in absence status. Nightingale S, et al. **Arch Neurol** 1982 Aug;39(8):516–9

Test–retest IQ changes of epilepsy patients: assessing the influence of practice effects. Seidenberg M, et al. **J Clin Neuropsychol** 1981 Oct;3(3):237–55

WAIS practice effects in clinical neuropsychology. Shatz MW. **J Clin Neuropsychol** 1981 Jul;3(2):171–9

The relationship of the WISC–R to academic achievement in a clinical population. Appelbaum AS, et al. **J Clin Psychol** 1982 Apr;38(2):401–5

Effects of unilateral lesions of the Wechsler Memory Scale. Bornstein RA. **J Clin Psychol** 1982 Apr;38(2):389–92

A measure of short–term visual memory based on the WISC–R coding subtest. Collaer ML, et al. **J Clin Psychol** 1982 Jul;38(3):641–4

The Post–Wechsler Memory scale. Cooper S. **J Clin Psychol** 1982 Apr;38(2):380–7

Factor structure of the Wechsler Memory Scale in an older adult population. Dye CJ. **J Clin Psychol** 1982 Jan; 38(1):163–6

Comparative validity of the verbal IQ as a short form of the WAIS. Gibson RO. **J Clin Psychol** 1981 Oct; 37(4):843–6

WISC scatter and behavioral competence in high–risk children. Greenwald DF, et al. **J Clin Psychol** 1982 Apr; 38(2):397–401

Validity of a WISC–R short form with male delinquents. Haynes JP. **J Clin Psychol** 1982 Apr;38(2):406–8

Use of the WISC–R and PPVT–R with mentally retarded children. Naglieri JA. **J Clin Psychol** 1982 Jul;38(3):635–7

Test–retest reliability of the Wechsler Memory Scale, Form I. Ryan JJ, et al. **J Clin Psychol** 1981 Oct;37(4):847–8

Prediction of the WAIS–scores from the 1973 Henmon–Nelson revision. Watson CG, et al. **J Clin Psychol** 1981 Oct;37(4):840–2

Prediction of the WISC–R full scale IQ from the SFTAA. Wikoff RL, et al. **J Clin Psychol** 1982 Apr;38(2):387–8

WISC–R factor structures of younger and older youth with low IQs. Groff M, et al. **J Consult Clin Psychol** 1982 Feb; 50(1):148–9

The P less than V sign on the WISC–R and recidivism in delinquents. Haynes JP, et al. **J Consult Clin Psychol** 1981 Jun;49(3):480–1

Factor structure of the WISC–R for a psychiatric sample. Hodges K. **J Consult Clin Psychol** 1982 Feb;50(1):141–2

Factor analysis of WISC–R scores of male delinquents referred for evaluation. Hubble LM, et al. **J Consult Clin Psychol** 1981 Oct;49(5):738–9

Are lateral and perceptual asymmetries related to WISC–R and achievement test performance in normal and learning–disabled children? Hynd GW, et al. **J Consult Clin Psychol** 1981 Dec;49(6):977–9

Correlation of the Luria–Nebraska Neuropsychological Battery with the WAIS. McKay SE, et al. **J Consult Clin Psychol** 1981 Dec;49(6):940–6

Cross–sectional and longitudinal patterns of three Wechsler Memory Scale Subtests. McCarty SM, et al. **J Gerontol** 1982 Mar;37(2):169–75

Wechsler Memory Scale Scores, selective attrition, and distance from death. Siegler IC, et al. **J Gerontol** 1982 Mar; 37(2):176–81

Stimulus size and performance on two subtests of the Wechsler Adult Intelligence Scale by younger and older adults. Storandt M, et al. **J Gerontol** 1982 Sep;37(5):602–3

Actuarial assessment of Wechsler Verbal–Performance Scale differences as signs of lateralized cerebral impairment. Leli DA, et al. **Percept Mot Skills** 1981 Oct;53(2):491–6

Factor analysis of the Revised Wechsler Memory Scale tests in a neuropsychological battery. Russell EW. **Percept Mot Skills** 1982 Jun;54(3):971–4

Age differences in WISC–R subtest ranks of children experiencing academic difficulties. Byrd PD, et al. **Psychol Rep** 1981 Apr;48(2):599–604

The Quick Test compared with the Wechsler Adult Intelligence Scale as measures of intellectual functioning in a prison clinical setting. Husband SD, et al. **Psychol Rep** 1982 Feb;50(1):167–70

Factor structure of the WISC–R for children identified as learning disabled. Naglieri JA. **Psychol Rep** 1981 Dec; 49(3):891–5

Correlations among scores on WISC–R and Woodcock–Johnson Achievement Tests for learning disabled children. Naglieri JA, et al. **Psychol Rep** 1981 Dec; 49(3):913–4

Wechsler subtest differences between prisoner and patients, with intelligence as a moderator variable. Saunders DR. **Psychol Rep** 1982 Jun;50(3 Pt 1):761–2

WEDENSKY INHIBITION see under **NEURAL CONDUCTION**

WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

WEGENER'S GRANULOMATOSIS

Diseases of obscure etiology: sarcoidosis, Wegener's granulomatosis, and midline granuloma. Casuccio JR, et al. **Otolaryngol Clin North Am** 1981 May;14(2):331–45

COMPLICATIONS

Prolonged anuria and aortic insufficiency in a child with Wegener's granulomatosis. Dabbagh S, et al. **Clin Nephrol** 1982 Mar;17(3):155–9

Wegener's granulomatosis with severe renal failure: clinical course and results of dialysis and transplantation. Kuross S, et al. **Clin Nephrol** 1981 Oct;16(4):172–80

Wegener's granulomatosis presenting as otitis media. Nicklasson B, et al. **J Laryngol Otol** 1982 Mar;96(3):277–80

Wegener's granulomatosis with otological and nervous system involvement. Dwyer J, et al. **J Otolaryngol** 1981 Dec;10(6):476–80

Otological manifestations of Wegener's granulomatosis. Illum P, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):801–4

Ear disease in patients with Wegener's granulomatosis. Kornblut AD, et al. **Laryngoscope** 1982 Jul;92(7 Pt 1):713–7

Ureteral stenosis in Wegener's granulomatosis. Report of a case. Ronco P, et al. **Nephron** 1982;30(3):201–4

Small intestinal perforation in Wegener's granulomatosis. McNabb WR, et al. **Postgrad Med J** 1982 Feb; 58(676):123–5

Pulmonary aspergilloma, an unusual complication in Wegener's granulomatosis. Martens J. **Postgrad Med J** 1982 Jan;58(675):55–6

Granulomatous vasculitis of the penis with glomerulonephritis. Vella EJ, et al. **Postgrad Med J** 1981 Apr;57(666):262–4

Cardiac complications of Wegener granulomatosis: a case report of complete heart block and review of the literature. Forstot JZ, et al. **Semin Arthritis Rheum** 1980 Nov; 10(2):148–54

Acute fulminating intrapulmonary haemorrhage in Wegener's granulomatosis. Stokes TC, et al. **Thorax** 1982 Apr; 37(4):315–6

Wegener's granulomatosis with polycythemia. Frolich H, et al. **West J Med** 1982 Apr;136(4):350–3

[Oto–neuro–ophthalmological manifestations in a suspected case of Wegener's granulomatosis (author's transl)] Voiriot P, et al. **Rev Otoneuroophtalmol** 1981 May–Jun; 53(3):199–208 (Eng. Abstr.) **(Fre)**

[Lung disease in periarteritis nodosa and Wegener's granulomatosis] Semenkowa JN. **Z Gesamte Inn Med** 1981 Apr 15;36(8):315–6 (Eng. Abstr.) **(Ger)**

[Rapidly progressive renal insufficiency and recurring pulmonary hemorrhage. A rare form of presentation of Wegener's granulomatosis] Fort J, et al. **Rev Clin Esp** 1982 Mar 31;164(6):399–401 **(Spa)**

DIAGNOSIS

Wegener's granulomatosis – clinical–pathologic correlations and long–term course. Appel GB, et al. **Am J Kidney Dis** 1981 Jul;1(1):27–37

Wegener's granulomatosis. Electron microscopic and immunofluorescent studies. Hui AN, et al. **Chest** 1981 Dec; 80(6):753–6

Wegener's granulomatosis. Kesseler ME. **Clin Exp Dermatol** 1982 Jan;7(1):103–8

Wegener's granulomatosis exhibiting the clinical features of Goodpasture's syndrome. Boros G, et al. **Int Urol Nephrol** 1981;13(4):375–85

Wegener's granulomatosis and the respiratory system. Lawson VG, et al. **J Otolaryngol** 1982 Feb;11(1):60–4

Wegener's granulomatosis. Marston S. **J R Soc Med** 1982 Apr;75(4):274–6

Wegener's granulomatosis [letter] Steel A. **J R Soc Med** 1982 Jul;75(7):569–70

Strawberry gums. A sign of Wegener's granulomatosis. Cohen PS, et al. **JAMA** 1981 Dec 4;246(22):2610–1

[Angiitis and granulomatosis similar to Wegener's disease (author's transl)] Jirková A, et al. **Sb Lek** 1981 Oct; 83(10):286–9 (Eng. Abstr.) **(Cze)**

[2 cases of Wegener's granulomatosis] Pawlicki M, et al. **Nowotwory** 1981;31(1):85–90 (Eng. Abstr.) **(Pol)**

[Difficult diagnoses in pneumology] Bercea O, et al. **Rev Ig [Pneumoftiziol]** 1980 Oct–Dec;29(4):215–20 **(Rum)**

[Wegener's granulomatosis] Asauliuk IK, et al. **Klin Med (Mosk)** 1981 Dec;59(12):83–5 **(Rus)**

[Wegener's granulomatosis] Kaplunovich PS, et al. **Oftalmol Zh** 1981;36(5):310–1 **(Rus)**

[Ophthalmological–rhinological symptomatology of Wegener's granulomatosis] Maichuk IuF, et al. **Oftalmol Zh** 1981;36(5):287–90 (Eng. Abstr.) **(Rus)**

[Clinical variants of Wegener's granulomatosis] Namestnikov VV, et al. **Vrach Delo** 1982 Jan;(1):105–6 **(Rus)**

[Wegener's granulomatosis] Mićić R, et al. **Srp Arh Celok Lek** 1980 Dec;108(12):1239–53 (Eng. Abstr.) **(Scc)**

[Granulomatous syndromes of the respiratory tract] Mićić R. **Srp Arh Celok Lek** 1980 Dec;108(12):1333–40 **(Scc)**

[Wegener's granulomatosis (author's transl)] Malenić S, et al. **Plucne Bolesti Tuberk** 1981 Apr–Sep;33(2–3):147–52 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Wegener's granulomatosis: successful treatment with high–dose cyclophosphamide. Nishioka K, et al. **Dermatologica** 1982 Feb;164(2):142–7

ETIOLOGY

Pulmonary renal syndromes. II. Etiology and pathogenesis. Rankin JA, et al. **Yale J Biol Med** 1982 Jan–Feb;55(1):11–26 (136 ref.)

IMMUNOLOGY

[The spectrum of histocompatibility antigens (HLA) in Wegener's granulomatosis (author's transl)] Beigel A, et al. **Arch Otorhinolaryngol** 1981;233(2):157–60 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The acute vasculitis of Wegener's granulomatosis in renal biopsies. Novak RF, et al. **Am J Clin Pathol** 1982 Sep; 78(3):367–71

Combined detachments in Wegener's granulomatosis. Leveille AS, et al. **Br J Ophthalmol** 1981 Aug;65(8):564–7

Ocular changes in limited forms of Wegener's granulomatosis. Spalton DJ, et al. **Br J Ophthalmol** 1981 Aug;65(8):553–63

Non–healing midline granuloma. Eveson JW, et al. **Br J Oral Surg** 1982 Jun;20(2):102–8

Pulmonary immune complex deposition in Wegener's granulomatosis. Shasby DM, et al. **Chest** 1982 Mar; 81(3):338–40

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 43–1981. A 54–year–old man with an 11–year history of chronic inflammation of the orbit and paranasal sinuses. **N Engl J Med** 1981 Oct 22;305(17):999–1008

Morphological and clinical features of the kidney in Wegener's granulomatosis. A survey of 28 autopsies in Japan. Watanabe T, et al. **Nippon Jinzo Gakkai Shi** 1981 Jul;23(7):921–30

Wegener's granulomatosis with polycythemia. Frolich H, et al. **West J Med** 1982 Apr;136(4):350–3

[Wegener's syndrome with localized changes in the upper respiratory tracts, lungs, kidneys and eyes treated with immunosuppressive agents and observed for 6 1/2 years] Zwoliński J, et al. **Pneumonol Pol** 1981 Nov;49(11):791–6 (Eng. Abstr.) **(Pol)**

[Case of Wegener's granulomatosis] Velikson GM, et al. **Vestn Otorinolaringol** 1982 Jan–Feb;(1):68–9 **(Rus)**

RADIOGRAPHY

Paranasal sinus obliteration in Wegener granulomatosis. Paling MR, et al. **Radiology** 1982 Aug;144(3):539–43

Renal and hepatic angiography in the late phase of Wegener's granulomatosis (WG). Göthlin J, et al. **ROFO** 1982 Mar; 136(3):338–40

[Wegener's granulomatosis. Clinical and radiologic considerations and description of 3 cases] Caradonna P, et al. **Minerva Med** 1982 May 26;73(22):1519–29 (Eng. Abstr.) **(Ita)**

THERAPY

Circulating immune complexes and the treatment of Wegener's granulomatosis. Cairns SA, et al. **Nephron** 1981; 29(1–2):90–4

WEIGHT GAIN see **BODY WEIGHT**

WEIGHT LIFTING see under **SPORTS**

WEIGHT LOSS see **BODY WEIGHT**

WEIGHT PERCEPTION

Visual perception of lifted weight. Runeson S, et al. **J Exp Psychol [Hum Percept]** 1981 Aug;7(4):733–40

Proprioception in schizophrenia. Leventhal DB, et al. **J Nerv Ment Dis** 1982 Jan;170(1):21–6

PHYSIOLOGY

[A study on quantification of weight sensation by EMG (author's transl)] Ide H. **Iyodenshi To Seitai Kogaku** 1981 Apr;19(2):94–9 (Eng. Abstr.) **(Jpn)**

WEIGHTLESSNESS

Ocular torsion on earth and in weightlessness. Young LR, et al. **Ann NY Acad Sci** 1981;374:80–92

The effects of horizontal body casting on blood volume, drug responsiveness, and +Gz tolerance in the Rhesus monkey. Dickey DT, et al. **Aviat Space Environ Med** 1982 Feb; 53(2):142–6

Age-related reactions of rat bones to their unloading. Novikov VE, et al. **Aviat Space Environ Med** 1981 Sep; 52(9):551–3

Experimental biology and medicine in space. Grigoriev YuG. **Endeavour** 1981;5(4):147–51

Circulatory and vestibular implications of central angiotensin mechanisms in physiological adaptation to weightlessness. Barrett RJ, et al. **Med Hypotheses** 1981 Dec;7(12):1415–9

[Past and present medical and biological studies in Italy on microgravity] Scano A. **Minerva Med** 1982 Aug 25; 73(32–33):2061–6 (Eng. Abstr.) **(Ita)**

[Role of vestibular asymmetry in the etiology of vestibular dysfunction] Kisliakov VA, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):64–7 (Eng. Abstr.) **(Rus)**

[Physiological and biochemical characteristics of the cells of a carrot gall tumor developing in weightlessness] Tairbekov MG, et al. **Kosm Biol Aviakosm Med** 1982 Mar–Apr;16(2):45–8 (Eng. Abstr.) **(Rus)**

[Energy-metabolism enzymes during combined exposure of the body to simulated weightlessness and gravitational overloads] Vetrova EG, et al. **Kosm Biol Aviakosm Med** 1981 Sep–Oct;15(5):34–8 (Eng. Abstr.) **(Rus)**

[Electrometric study of the human taste analyzer normally and in the modelling of weightlessness] Iakovleva IIa. **Vestn Otorinolaringol** 1982 Mar–Apr;(2):15–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effects of various countermeasures against the adverse effects of weightlessness on central circulation in the healthy man. Gazenko OG, et al. **Aviat Space Environ Med** 1982 Jun; 53(6):523–30

Man in weightlessness: physiological problems, clinical aspects, prevention and protection. Related bio-medical research in micro-gravity during the forecoming SPACELAB missions. Fuchs HS. **Riv Med Aeronaut Spaz** 1980 Jul–Dec;43(3–4):332–46

[Cathepsin activity of skeletal muscle and myocardial myofibrils after exposure to weightlessness and G force] Oganesian SS, et al. **Kosm Biol Aviakosm Med** 1981 Nov–Dec;15(6):38–42 (Eng. Abstr.) **(Rus)**

[Positive pressure breathing as a means of preventing unfavorable reactions to head-down tilt] Voloshin VG, et al. **Kosm Biol Aviakosm Med** 1982 Jan–Feb;16(1):38–40 (Eng. Abstr.) **(Rus)**

[Adaptation erythrocytopenic syndrome of weightlessness] Legen'kov VI, et al. **Probl Gematol Pereliv Krovi** 1981 Dec; 26(12):21–6 (Eng. Abstr.) **(Rus)**

WEIGHTS AND MEASURES

Memoranda from the British Committee on Radiation Units and Measurements. 2.SI units for radiation protection–an interim measure. **Br J Radiol** 1982 May;55(653):376–7

The use of SI units in medicine: a WHO memorandum. **Bull WHO** 1981;59(6):865–8 **(Eng, Fre)**

SI units in veterinary medicine. Lumsden JH. **Can J Comp Med** 1982 Jan;46(1):103–4

SI units in veterinary medicine. Lumsden JH. **Can Vet J** 1982 Jan;23(1):34–5

Difficulties of calculating spectrum-averaged values of a neutron dose equivalent. Eisenhauer C, et al. **Health Phys** 1981 Nov;41(5):774–7

Effect of the irradiation geometry on dose-equivalent index. Grosswendt B, et al. **Health Phys** 1981 Oct;41(4):657–62

Commitment, equivalent and collective. Healy JW. **Health Phys** 1981 Aug;41(2):379–81

Units should have regular plurals [letter] Strom DJ, et al. **Health Phys** 1982 Mar;42(3):387–8

Strange companionship [letter] Gross F. **Hypertension** 1982 Sep–Oct;4(5):751–2

Improved mass determination of isolated biological objects by transmission electron microscopy and scanning microdensitometry. Linders PW, et al. **J Histochem Cytochem** 1982 Jul;30(7):637–44

The specific gamma-ray constant and exposure rate constant of 182Ta. Glasgow GP, et al. **Med Phys** 1982 Mar–Apr; 9(2):250–3

The photon-fluence scaling theorem for Compton-scattered radiation. Pruitt JS, et al. **Med Phys** 1982 Mar–Apr; 9(2):176–9

Dose descriptors for computed tomography. Spokas JJ. **Med Phys** 1982 Mar–Apr;9(2):288–92

A simple calibration and evaluation phantom for ultrasound scanners. McCarty K, et al. **Ultrasound Med Biol** 1982; 8(4):393–401

[IS system for internists] Shipkov T, et al. **Vutr Boles** 1982; 21(1):1–5 **(Bul)**

[International system of SI units in radiology (author's transl)] Hušák V. **Cesk Radiol** 1981 Jul;35(4):217–25 (Eng. Abstr.) **(Cze)**

[Quantities and units in clinical biochemistry using to the International System of Units (SI)] Homolka J, et al. **Zdrav Aktual** 1980;192:3–113 **(Cze)**

[Evaluation of the metrologic correctness of photometric methods] Mel'nikova SA, et al. **Gig Sanit** 1981 Jun;(6):50–3 **(Rus)**

[Periodicals and the International System of Units] Frenk S. **Gac Med Mex** 1981 Dec;117(12):499–500 **(Spa)**

[Program of the National Academy of Medicine for the adoption of the International System of Units in medical practice] García-Sainz M. **Gac Med Mex** 1981 Dec; 117(12):501 **(Spa)**

[International system of units in medical practice. I. Measurement, quantities and units] García-Sainz M. **Gac Med Mex** 1981 Dec;117(12):479–83 **(Spa)**

[Rationale and convenience of the International System of Units in clinical practice] Kumate J. **Gac Med Mex** 1981 Dec;117(12):493–6 **(Spa)**

[The International System of Units in the clinical laboratory] Mourey-Valdés L. **Gac Med Mex** 1981 Dec;117(12):484–92 **(Spa)**

[Programatic planning in the teaching of the International System of Units to future physicians] Piña-Garza E. **Gac Med Mex** 1981 Dec;117(12):497–8 **(Spa)**

STANDARDS

Statement from the Third Quadrennial International Symposium on Quantities and Units in Clinical Medicine—Paris, November 14–15, 1980. von Boroviczeny KG, et al. **Am J Clin Pathol** 1982 Jan;77(1):7–11

Insensible weight loss measurements in newborn infants: possible overestimation with the Potter baby scale. Darnall RA Jr. **J Pediatr** 1981 Nov;99(5):794–7

Metricating the medico: a basic guide to SI units in medicine. Wilks KJ. **Med J Aust** 1981 Nov 14;2(10):541–2

The international system of units (si)and medicine. Bergeson PS, et al. **West J Med** 1981 Dec;135(6):526–9

[Measures for raising the level of metrology support in medical instrument manufacture] Okhotnikov GI. **Med Tekh** 1981 Sep–Oct;(5):41–2 **(Rus)**

WEIL'S DISEASE

COMPLICATIONS

Cerebrovascular accident as a complication of leptospirosis [letter] Lessa I, et al. **Lancet** 1981 Nov 14;2(8255):1113

[Shock during leptospirosis icterohaemorrhagica. Four cases (author's transl)] Guivarch G, et al. **Nouv Presse Med** 1982 Mar 6;11(11):837–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diffusion in gel-enzyme-linked immunosorbent assay–a new serological test for leptospirosis. Cursons RT, et al. **J Clin Pathol** 1981 Oct;34(10):1128–31

PATHOLOGY

Observations on kidney damage in hamsters following a non-icterohaemorrhagic form of disease resulting from infection by Leptospira interrogans serotype icterohaemorrhagiae. Cox PJ, et al. **J Comp Pathol** 1981 Jan;91(1):153–7

TRANSMISSION

Leptospirosis in trout farmers. Robertson MH, et al. **Lancet** 1981 Sep 19;2(8247):626–7

VETERINARY

A serological survey of Leptospira interrogans serotype pomona in Alberta and Saskatchewan striped skunks and possible transmission between cattle and skunks. Schowalter DB, et al. **Can Vet J** 1981 Oct;22(10):321–3

Infections with Encephalitozoon cuniculi and Leptospira interrogans, serovars grippotyphosa and ballum, in a kennel of foxhounds. Cole JR Jr, et al. **J Am Vet Med Assoc** 1982 Feb 15;180(4):435–7

Seroepidemiology of Leptospira interrogans serovar hardjo in Colorado antelope and cattle. Collins MT, et al. **J Am Vet Med Assoc** 1981 Dec 1;179(11):1136–9

Bovine leptospirosis: microbiological and serological findings in normal fetuses removed from the uteri after slaughter. Ellis WA, et al. **Vet Rec** 1982 Feb 27;110(9):192–4

WELDING

Shoulder pain in industry: an epidemiological study on welders. Herberts P, et al. **Acta Orthop Scand** 1981 Jun; 52(3):299–306

Monitoring personnel exposure to stainless steel welding fumes in confined spaces at a petrochemical plant. Wilson JD, et al. **Am Ind Hyg Assoc J** 1981 Jun;42(6):431–6

Mortality in welders [letter] Gibson NE. **Arch Environ Health** 1982 Jan–Feb;37(1):60–1

Mortality among welders, including a group exposed to nickel oxides. Polednak AP. **Arch Environ Health** 1981 Sep–Oct;36(5):235–42

Absences attributed to respiratory diseases in welders. Fawer RF, et al. **Br J Ind Med** 1982 May;39(2):149–52

Non-invasive magnetopneumographic determination of lung dust loads in steel arc welders. Freedman AP, et al. **Br J Ind Med** 1981 Nov;38(4):384–8

Pulmonary fibrosis in an aluminum arc welder. Vallyathan V, et al. **Chest** 1982 Mar;81(3):372–4

Chromium in welding fumes. Zugerman C. **Contact Dermatitis** 1982 Jan;8(1):69–70

Process-dependent risk of delayed health effects for welders. Stern RM. **Environ Health Perspect** 1981 Oct;41:235–53

Welding and bronchitis. Näslund PE, et al. **Eur J Respir Dis [Suppl]** 1982;118:69–72

Does welding affect visual acuities or color sensitivity? Caelli T, et al. **Hum Factors** 1982 Feb;24(1):115–9

Desquamative interstitial pneumonia in an aluminum welder. Herbert A, et al. **Hum Pathol** 1982 Aug;13(8):694–9

Cadmium, copper and zinc in the urine of welders using cadmium-containing silver solder. Suzuki Y, et al. **Ind Health** 1981;19(4):223–30

Lung-retained contaminants, urinary chromium and nickel among stainless steel welders. Kalliomäki PL, et al. **Int Arch Occup Environ Health** 1981;49(1):67–75

The visual and visual motor integrative space-span perceptual welding screening. Gottlieb DD, et al. **J Am Optom Assoc** 1981 Aug;52(8):651–3

The health of welders in naval dockyards: welding, tobacco smoking and absence attributed to respiratory diseases. McMillan GH. **J Soc Occup Med** 1981 Jul;31(3):112–8

Ultraviolet radiation and pterygium [letter] Taylor HR. **JAMA** 1982 Mar 26;247(12):1698

Respiratory status of stainless steel and mild steel welders. Kalliomäki PL, et al. **Scand J Work Environ Health** 1982; 8 Suppl 1:117–21

Survey of air contaminants from welding. Ulfvarson U. **Scand J Work Environ Health** 1981;7 Suppl 2:1–28

Biochemical studies of rat lung following exposure to potassium dichromate or chromium-rich welding fume particles. White LR, et al. **Toxicol Lett** 1982 Apr; 11(1–2):159–63

[Blowpipe cutting and neurotoxic effects] Hansen NS. **Ugeskr Laeger** 1981 Aug 24;143(35):2256–7 (Eng. Abstr.) **(Dan)**

[Evaluation of the metal pollution from welding work] Brugnone F, et al. **Ann Ist Super Sanita** 1981;17(3):481–4 **(Ita)**

[Pulmonary functions observed by means of flow-volume curve in welders exposed to ozone (author's transl)] Ohmori K, et al. **Sangyo Igaku** 1981 Jul;23(4):394–400 (Eng. Abstr.) **(Jpn)**

[Blood pressure in aluminum plant workers employed in high and in normal temperature sections in Ardal] Lund-Larsen PG, et al. **Tidsskr Nor Laegeforen** 1981 Nov 30; 101(33):1892–5 (Eng. Abstr.) **(Nor)**

[Measurement and hygienic evaluation of electromagnetic fields in the environment of diathermy, welding machines and induction heaters] Aniolczyk H. **Med Pr** 1981; 32(2):119–28 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of welding arc irradiation in modern manufacture] Gvozdenko LA, et al. **Gig Tr Prof Zabol** 1982 May;(5):31–4 (Eng. Abstr.) **(Rus)**

[Skin diseases in electric welders] Tsyrkunov LP. **Vestn Dermatol Venerol** 1981;(10):40–3 (Eng. Abstr.) **(Rus)**

[Solderer's asthma (author's transl)] Kovač S, et al. **Ljec Vjesn** 1981;103(4–5):143–5 (Eng. Abstr.) **(Scr)**

[Fertility disorders in welders (author's transl)] Kandráčová E. **Cesk Dermatol** 1981 Oct;56(5):342–5 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

[Sensitization to fluorine and manganese compounds and the state of the oral cavity in workers in the electric pipe welding industry] Melekhin AV, et al. **Gig Tr Prof Zabol** 1981 Aug;(8):12–4 (Eng. Abstr.) **(Rus)**

WELL CHILD CONFERENCE see **CHILD HEALTH SERVICES**

WERLHOF'S DISEASE see **PURPURA, THROMBOPENIC**

WERNER'S SYNDROME

The increase of glycosaminoglycan synthesis and accumulation on the cell surface of cultured skin fibroblasts in Werner's syndrome. Tajima T, et al. **Exp Pathol** 1981; 20(4):221–9

COMPLICATIONS

Werner's syndrome with associated malignant neoplasms. Hrabko RP, et al. **Arch Dermatol** 1982 Feb;118(2):106–8

An unusual case of connective tissue dysplasia with features of premature ageing. Breathnach SM, et al. **Clin Exp Dermatol** 1981 May;6(3):291–7

Werner's syndrome associated with mitral valve disease. Onsun N, et al. **Int J Dermatol** 1981 Apr;20(3):201–2

Werner's syndrome as a cause of chronic leg ulcers. Sternberg N, et al. **J Dermatol Surg Oncol** 1982 Apr; 8(4):293–5

DIAGNOSIS

Werner's syndrome: twenty-four cases with a review of the Japanese medical literature. Murata K, et al. **J Am Geriatr Soc** 1982 May;30(5):303-8

[Werner's syndrome] Pietraszek F, et al. **Pol Tyg Lek** 1981 May 25;36(21):773-4 (Eng. Abstr.) (Pol)

[Case of Werner's syndrome] Samoilova LN, et al. **Klin Med (Mosk)** 1981 Sep;59(9):91-2 (Rus)

FAMILIAL & GENETIC

Sister chromatid exchange frequencies in Progeria and Werner syndrome patients. Darlington GJ, et al. **Am J Hum Genet** 1981 Sep;33(5):762-6

Evidence of clonal attenuation, clonal succession, and clonal expansion in mass cultures of aging Werner's syndrome skin fibroblasts. Salk D, et al. **Cytogenet Cell Genet** 1981; 30(2):108-17

Cytogenetics of Werner's syndrome cultured skin fibroblasts: variegated translocation mosaicism. Salk D, et al. **Cytogenet Cell Genet** 1981;30(2):92-107

Altered frequency of initiation sites of DNA replication in Werner's syndrome cells. Takeuchi F, et al. **Hum Genet** 1982;60(4):365-8

IMMUNOLOGY

Age-related changes in auto- and natural antibody in the Werner syndrome. Goto M, et al. **Am J Med** 1982 Apr; 72(4):607-14

Subpopulations of human T lymphocytes. XVII. Imbalance of T cell subsets in patients with progeria and Werner's syndrome. Gupta S. **Gerontology** 1981;27(4):181-6

Reduced natural killer cell activity of lymphocytes from patients with Werner's syndrome and recovery of its activity by purified human leucocyte interferon. Goto M, et al. **Scand J Immunol** 1982 Apr;15(4):389-97

PATHOLOGY

Systematic growth studies, cocultivation, and cell hybridization studies of Werner syndrome cultured skin fibroblasts. Salk D, et al. **Hum Genet** 1981;58(3):310-6

PHYSIOPATHOLOGY

Can we learn about aging from a study of Werner's syndrome? Salk D. **J Am Geriatr Soc** 1982 May;30(5):334-9

URINE

Urinary acidic glycosaminoglycans in Werner's syndrome. Murata K. **Experientia** 1982 Mar 15;38(3):313-4

Determination of hyaluronic acid in the urine of a patient with Werner's syndrome. Maekawa Y, et al. **J Dermatol (Tokyo)** 1981 Dec;8(6):467-72

WERNICKE AREA see **TEMPORAL LOBE**

WERNICKE'S ENCEPHALOPATHY

[Wernicke's encephalopathy] Haltia M, et al. **Duodecim** 1982; 98(5):377-87 (Fin)

CHEMICALLY INDUCED

Acute Wernickes encephalopathy precipitated by glucose loading. Watson AJ, et al. **Ir J Med Sci** 1981 Oct; 150(10):301-3

[Benign symmetric lipomatosis and chronic alcoholism with neurological complications: two cases (author's transl)] Berlit P, et al. **Nervenarzt** 1982 Mar;53(3):168-71 (Ger)

COMPLICATIONS

Wernickes encephalopathy with central pontine myelinolysis presenting with hypothermia. Tampi R, et al. **NZ Med J** 1982 May 26;95(708):342-4

Hypothermia, neurologic dysfunction, and sudden death in a man with carcinoma. Chang M, et al. **South Med J** 1981 Dec;74(12):1509-13

[Hypothermia in Wernicke's syndrome] Friis SU, et al. **Ugeskr Laeger** 1982 Jan 18;144(3):156 (Eng. Abstr.) (Dan)

DIAGNOSIS

Confusion, coma, and death from a preventable disease. Harper CG. **Med J Aust** 1981 Sep 5;2(5):219-21

[The differentiation between delirium tremens and Wernicke's encephalopathy by the examination of acoustically evoked brain-stem potentials] Haas W, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 129(2):315-23 (Eng. Abstr.) (Ger)

[A case of Wernicke's syndrome: nutritional considerations and diagnostic use of CAT] Craveri A, et al. **G Clin Med** 1981 Aug;62(8):552-7 (Ita)

DRUG THERAPY

Inappropriate antidiuretic hormone secretion in Wernicke's encephalopathy. Cooles PE, et al. **Postgrad Med J** 1982 Mar;58(677):173-4

ENZYMOLOGY

Erythrocyte transketolase activity in the Wernicke-Korsakoff syndrome. Leigh D, et al. **Br J Psychiatry** 1981 Aug;139:153-6

ETIOLOGY

Subacute Wernicke's encephalopathy due to gastric syphilis. Reid AC, et al. **Br J Vener Dis** 1981 Oct;57(5):309-11

Acute vitamin B1 deficiency (wernicke's encephalopathy) in connection with radiotherapy for oral cavity cancer. Van Den Bogaert W, et al. **J Belge Radiol** 1981;64(3):281-3

Wernicke's disease complicating surgical therapy for morbid obesity. Rothrock JF, et al. **J Clin Neuro Ophthalmol** 1981 Sep;1(3):195-9

Wernicke's encephalopathy after gastric plication [letter] MacLean JB. **JAMA** 1982 Sep 17;248(11):1311

Anorexia nervosa and Wernicke's encephalopathy: an underdiagnosed association [letter] Handler CE, et al. **Lancet** 1982 Oct 2;2(8301):771-2

Probable acute thiamine deficiency secondary to gastric partition for morbid obesity. Milius G, et al. **Nebr Med J** 1982 Jun;67(6):147-50

[Wernicke-Korsakoff syndrome in anorexia (author's transl)] Weder B, et al. **Dtsch Med Wochenschr** 1982 Feb 26; 107(8):304-6 (Eng. Abstr.) (Ger)

FAMILIAL & GENETIC

Wernicke-Korsakoff syndrome in monozygotic twins: a biochemical peculiarity. Leigh D, et al. **Br J Psychiatry** 1981 Aug;139:156-9

PATHOLOGY

Hemorrhage of thiamine-deficient encephalopathy. Watanabe I, et al. **J Neuropathol Exp Neurol** 1981 Sep; 40(5):566-80

Wernicke-Korsakoff encephalopathy after gastric plication. Haid RW, et al. **JAMA** 1982 May 14;247(18):2566-7

[Fatal disorder of the central blood pressure regulation in Wernicke-encephalopathy] Lang R, et al. **Med Welt** 1981 Dec 11;32(50):1913-9 (Ger)

WEST NILE FEVER see under **TOGAVIRUS INFECTIONS**

WEST NILE VIRUS

GROWTH & DEVELOPMENT

Isolation of a replication-efficient mutant of West Nile virus from a persistently infected genetically resistant mouse cell culture. Brinton MA. **J Virol** 1981 Aug;39(2):413-21

Characterization of West Nile virus persistent infections in genetically resistant and susceptible mouse cells. I. Generation of defective nonplaquing virus particles. Brinton MA. **Virology** 1982 Jan 15;116(1):84-98

IMMUNOLOGY

Monoclonal antibodies against the flavivirus West Nile. Peiris JS, et al. **J Gen Virol** 1982 Feb;58(Pt 2):283-9

Prevalence of antibodies to Japanese encephalitis and West Nile viruses among wild birds in the Krishna-Godavari Delta, Andhra Pradesh, India. Rodrigues FM, et al. **Trans R Soc Trop Med Hyg** 1981;75(2):258-62

WEST SYNDROME see **SPASMS, INFANTILE**

WET LUNG see **RESPIRATORY DISTRESS SYNDROME, ADULT**

WETTING AGENTS see under **SURFACE-ACTIVE AGENTS**

WHALES see under **CETACEA**

WHEAT

Effects of an oral load of partially hydrolyzed wheatflour on blood parameters and substrate utilization in man. Pittet PG, et al. **Am J Clin Nutr** 1981 Nov;34(11):2438-45

The effect of coarse and fine Canadian Red Spring Wheat and French Soft Wheat bran on colonic motility in patients with diverticular disease. Smith AN, et al. **Am J Clin Nutr** 1981 Nov;34(11):2460-3

Effect of plant proteins on cholesterol metabolism in growing rats fed atherogenic diets. Mokady S, et al. **Ann Nutr Metab** 1982;26(2):138-44

The effects of gum arabic, wheat offal and various of its fractions on the metabolism of 14C-labelled aflatoxin B1 in the male weanling rat. Frape DL, et al. **Br J Nutr** 1982 Jul;48(1):97-110

Synthesis and turnover of proteins and mRNA in germinating wheat embryos. Grzelczak ZF, et al. **Can J Biochem** 1982 Mar;60(3):389-97

Nutritional availability to rats of selenium in tuna, beef kidney, and wheat. Douglass JS, et al. **J Nutr** 1981 Dec; 111(12):2180-7

Prolonged consumption by infants of wheat-based diets with and without casein or lysine supplementation. Graham GG, et al. **J Nutr** 1981 Nov;111(11):1917-27

Dietary wheat bran lowers colonic pH in rats. Jacobs LR, et al. **J Nutr** 1982 Mar;112(3):592-4

Response to dietary wheat bran in the exocrine pancreas and intestine of rats. Schneeman BO, et al. **J Nutr** 1982 Feb; 112(2):283-6

The cariogenicity of experimental biscuits containing wheatgerm and rolled oats, and the effect of supplementation with milk powder. Thomson ME, et al. **NZ Dent J** 1982 Jan;78(351):3-6

ADVERSE EFFECTS

Contact urticaria to wheat bran bath: a case report. Langeland T, et al. **Acta Derm Venereol (Stockh)** 1982; 62(1):82-3

Pulmonary reaction to durum wheat; a constituent of grain dust. doPico GA, et al. **Chest** 1982 Jan;81(1):55-61

Induction of IgA circulating immune complexes after wheat feeding in dermatitis herpetiformis patients. Zone JJ, et al. **J Invest Dermatol** 1982 May;78(5):375-80

Anaphylactic shock in an infant after feeding with a wheat rusk. A transient phenomenon. Rudd P, et al. **Postgrad Med J** 1981 Dec;57(674):794-5

ANALYSIS

Gel mapping of wheat and lupin tRNAs. Janowicz ZA, et al. **Acta Biochim Pol** 1981;28(2):105-10

Identification by affinity chromatography of wheat germ ribosomal proteins which interact with RNA. Prazybył D, et al. **Acta Biochim Pol** 1981;28(2):77-82

Purification and analysis of DNA from wheat chloroplasts isolated in nonaqueous media. Bowman CM, et al. **Anal Biochem** 1982 May 1;122(1):108-18

Isolation and properties of chloroplast coupling factor from wheat. Moase EH, et al. **Eur J Biochem** 1981 Sep; 119(1):145-50

Analysis of fenitrothion and metabolites in stored wheat. Abdel-Kader MH, et al. **Int J Environ Anal Chem** 1982; 11(2):153-65

Isolation, purification, and characterization of a complex heteroxylan from industrial wheat bran. Brillouet JM, et al. **J Agric Food Chem** 1982 May-Jun;30(3):488-95

Analysis of difenzoquat herbicide in wheat products by reversed-phase liquid chromatography. Lawrence JF, et al. **J Agric Food Chem** 1981 Jul-Aug;29(4):887-9

Gas chromatographic quantitative analysis and persistence of dimethoate and dimethoxon residues on and in wheat plants. Lee YW, et al. **J Agric Food Chem** 1981 Jul-Aug; 29(4):860-2

Gas chromatography with electron capture and mass spectrometric detection of deoxynivalenol in wheat and other grains. Scott PM, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1364-71

Determination of internal insect infestation of wheat: collaborative study. Trauba RL, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1408-10

A heat-stable protein synthesis initiation factor from wheat germ. Seal SN, et al. **J Biol Chem** 1982 Aug 10; 257(15):8634-7

Immunocytochemical localization of wheat germ agglutinin in wheat. Mishkind M, et al. **J Cell Biol** 1982 Mar; 92(3):753-64

A third beta-gliadin from Cappelle-Desprez Wheat. Ewart JA. **J Sci Food Agric** 1981 Dec;32(12):1203-8

MIF-like sequences in milk and wheat proteins [letter] Mycroft FJ, et al. **N Engl J Med** 1982 Sep 30;307(14):895

Mycotoxins in cereal grain. Part II. The fate of ochratoxin A after processing of wheat and barley grain. Chelkowski J, et al. **Nahrung** 1981;25(5):423-6

[Changes in the biological protein value of wheat grain caused by manufacture into flour and gluten] Horvatić M, et al. **Nahrung** 1981;25(3):249-53 (Eng. Abstr.) (Ger)

[Effect of physicochemical factors on ochratoxin A, and determination of its concentration in grain by spectrofluorometry. II. Selection of optimal conditions for thin-layer chromatography, method of ochratoxin A extraction and its concentration in grain] Czerwiecki L. **Rocz Panstw Zakl Hig** 1981;32(4):301-8 (Eng. Abstr.) (Pol)

[Determination of the mercury content in wheat bran] Ludwicki J. **Rocz Panstw Zakl Hig** 1981;32(4):309-13 (Eng. Abstr.) (Pol)

[Hygienic standard for the chlorocholine chloride content of wheat grain] Agadzhanian SM. **Vopr Pitan** 1982 Jan-Feb;(1):72-3 (Rus)

[Use of fertilizers and the quality of wheat protein] Chakhovskiĭ IA. **Vopr Pitan** 1981 Jul-Aug;(4):48-52 (Eng. Abstr.) (Rus)

ENZYMOLOGY

A sensitive and simple assay of starch synthase activity with pyruvate kinase and luciferase. Ching TM. **Anal Biochem** 1982 May 1;122(1):139-43

Versatility of mixed-function adsorbents in biospecific protein desorption: accidental affinity and an improved purification of aspartate transcarbamoylase from wheat germ. Yon RJ. **Anal Biochem** 1981 May 15;113(2):219-28

Cytochrome c specific methylase from wheat germ. DiMaria P, et al. **Biochemistry** 1982 Mar 2;21(5):1036-44

Localization and properties of ATPase activity in pea stems and wheat coleoptiles. Hall JL, et al. **Histochem J** 1982 Mar;14(2):323-31

[Charakterisation of L-ascorbic acid oxidase (EC 1.10.3.3) from wheat flour (author's transl)] Pfeilsticker K, et al. **Z Lebensm Unters Forsch** 1982;174(4):306-8 (Eng. Abstr.) (Ger)

GENETICS

The organization of the chloroplast DNA in wheat and maize in the region containing the LS gene. Koller B, et al. **Eur J Biochem** 1982 Feb;122(1):17–23

Studies on the secondary structure of wheat 5.8 S rRNA. Conformational changes in the A + U-rich stem during ribosome assembly. Wildeman AG, et al. **Eur J Biochem** 1982 Jan;121(2):357–63

GROWTH & DEVELOPMENT

Water relations, temperature, and growth of wheat grown with magnets. Kirkham MB, et al. **Radiat Environ Biophs** 1982;20(2):137–44

MICROBIOLOGY

Variability in the content and composition of alkaloids found in Canadian ergot. II. Wheat. Young JC. **J Environ Sci Health [B]** 1981;B16(4):381–93

RADIATION EFFECTS

SCE in monkeys fed irradiated wheat [letter] Murthy PB. **Food Cosmet Toxicol** 1981 Aug;19(4):523

WHEELCHAIRS

Sit time monitor: a device for measuring wheelchair sitting time. Halstead LS, et al. **Am J Occup Ther** 1982 Jul; 36(7):463–5

Evaluation of myocardial performance during wheelchair ergometer exercise. Wilde SW, et al. **Am J Phys Med** 1981 Dec;60(6):277–91

Body build and its relationship to pressure distribution in the seated wheelchair patient. Garber SL, et al. **Arch Phys Med Rehabil** 1982 Jan;63(1):17–20

A linguo-buccal aid to control an electric wheelchair. Parker CB. **Br Dent J** 1981 Oct 20;151(8):263–4

A step-sensing device for blind wheelchair users: a preliminary evaluation. Farmer LW. **Bull Prosthet Res** 1981 Spring;18(1):73–9

Methodology devised for a program to improve efficiency and reduce risks for wheelchair locomotion. Glaser RM, et al. **Bull Prosthet Res** 1981 Spring;18(1):63–8

The mechanical efficiency of wheelchair dependent women during wheelchair ergometry. Knowlton RG, et al. **Can J Appl Sport Sci** 1981 Dec;6(4):187–90

The motorized wheelchair: new freedom, new responsibility and new problems. Breed AL, et al. **Dev Med Child Neurol** 1982 Jun;24(3):366–71

Inva retro. Legge I, et al. **Ergonomics** 1981 Nov;24(11):903–4

The dangerous wheelchair. Hartigan JD. **J Am Geriatr Soc** 1982 Sep;30(9):572–3

Seating for the chairbound disabled person—a survey of seating equipment in the United Kingdom. Nelham RL. **J Biomed Eng** 1981 Oct;3(4):267–74

Positioning wheelchair patients for dental treatment. Napierski GE. **J Prosthet Dent** 1982 Feb;47(2):217–8

Ambulation aids for the elderly. Cress RH. **Med Instrum** 1982 May–Jun;16(3):169–70

Wheelchair exercise: a review. Dreisinger TE, et al. **Paraplegia** 1982 Feb;20(1):20–34

Energy cost and cardiopulmonary responses for wheelchair locomotion and walking on tile and on carpet. Glaser RM, et al. **Paraplegia** 1981;19(4):220–6

Cost effective moulded seating for the handicapped child. McQuilton G, et al. **Prosthet Orthot Int** 1981 Apr; 5(1):37–41

Modular seating for paralytic scoliosis: design and initial experience. Seeger BR, et al. **Prosthet Orthot Int** 1981 Dec; 5(3):121–8

STANDARDS

Wheelchair prescription guidelines. Delisa JA, et al. **Am Fam Physician** 1982 Apr;25(4):145–50

Reducing back displacement in the powered reclining wheelchair. Warren CG, et al. **Arch Phys Med Rehabil** 1982 Sep;63(9):447–9

Warning mat to signal air seat cushion failure. Werner P, et al. **Arch Phys Med Rehabil** 1982 Apr;63(4):188–90

Wheelchair users at a children's rehabilitation center: attributes and management. Schultz-Hurlburt B, et al. **Dev Med Child Neurol** 1982 Feb;24(1):54–60

Measurement and redistribution of excessive pressures during wheelchair sitting. Peterson MJ, et al. **Phys Ther** 1982 Jul; 62(7):990–4

Testing of manually-propelled wheelchairs. The need for international standards. Staros A. **Prosthet Orthot Int** 1981 Aug;5(2):75–84

WHEEZING see **RESPIRATORY SOUNDS**

WHIPLASH INJURIES

[The mechanics of whiplash injury of the cervical spine (author's transl)] Saternus KS. **Z Rechtsmed** 1982; 88(1–2):1–11 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Brainstem infarct following cervical hyperextension and axial loading sustained in an automobile accident. Bamford CR, et al. **Ariz Med** 1982 Feb;39(2):105–6

In acute cervical hyperextension- hyperflexion injuries. Richardson RR, et al. **IMJ** 1981 Apr;159(4):227–30

Whiplash amnesia. Fisher CM. **Neurology (NY)** 1982 Jun; 32(6):667–8

[The posttraumatic cervical syndrome (author's transl)] De Bruyne J, et al. **J Belge Med Phys Rehabil** 1981;4(2):71–91 (75 ref.) (Eng. Abstr.) **(Dut)**

[Cerebral disturbances following isolated whiplash injury (author's transl)] Krämer G, et al. **Aktuel Traumatol** 1981 Aug;11(4):114–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Cervical whiplash syndrome] Jongkees LB. **Ned Tijdschr Geneeskd** 1981 Nov 7;125(45):1817–9 **(Dut)**

PHYSIOPATHOLOGY

[Writing of expertises on whiplash injuries of the cervical spine (author's transl)] Saternus KS. **Aktuel Traumatol** 1982 Jan;12(1):4–11 (Eng. Abstr.) **(Ger)**

WHIPPLE'S DISEASE see **LIPODYSTROPHY, INTESTINAL**

WHITE HEIFER DISEASE see **FREEMARTINISM**

WHITE MUSCLE DISEASE see under **MUSCULAR DYSTROPHY, ANIMAL**

WHITES

see related

CAUCASOID RACE

Ethnic patterns of salt purchase in Houston, Texas. Kerr GR, et al. **Am J Epidemiol** 1982 Jun;115(6):906–16

Knowledge, attitudes, and behavior related to obesity and dieting in Mexican Americans and Anglos: the San Antonio Heart Study. Stern MP, et al. **Am J Epidemiol** 1982 Jun; 115(6):917–28

Trends in the incidence of breastfeeding for Hispanics of Mexican origin and Anglos on the US-Mexico border. Smith JC, et al. **Am J Public Health** 1982 Jan;72(1):59–61

Health beliefs and practices in a middle-income Anglo-American neighborhood. Hautman MA, et al. **ANS** 1982 Apr;4(3):49–64

Comparison of esthetic values among Caucasians and Pacific-Asians. Kiyak HA. **Community Dent Oral Epidemiol** 1981 Oct;9(5):219–23

A comparison of Black and White women entering drug abuse treatment programs. Moise R, et al. **Int J Addict** 1982 Jan;17(1):35–49

Regular source of care and the minority aged. Berk ML, et al. **J Am Geriatr Soc** 1982 Apr;30(4):251–4

Black English and standard American English constrasts in consonantal development of four and five-year old children. Seymour HN, et al. **J Speech Hear Disord** 1981 Aug;46(3):274–80

Race and gender differences in children's socialization into sport. Greendorfer SL, et al. **Res Q Exerc Sport** 1981 Oct; 52(3):301–10

Coronary heart disease risk factors in black and white man in zimbabwe and the effect of living standards. Castle WM. **S Afr Med J** 1982 Jun 12;61(24):926–9

PSYCHOLOGY

Social influences on alcohol consumption by black and white males. Watson DW, et al. **Addict Behav** 1982;7(1):87–91

On being seen as a 'Chinese therapist' by a Caucasian child. Tung M. **Am J Orthopsychiatry** 1981 Oct;51(4):654–61

Age of initial drug experimentation among white and non-white ethnics. Jackson N, et al. **Int J Addict** 1981 Dec; 16(8):1373–86

WHOLE BLOOD COAGULATION TIME see under **BLOOD COAGULATION TESTS**

WHOLE BODY COUNTING

INSTRUMENTATION

[Clinical application of scintillation camera to the whole body counter – iron absorption test (author's transl)] Torizumi K, et al. **Kaku Igaku** 1981 Feb;18(1):129–32 **(Jpn)**

METHODS

[Changes of regional blood volume after the application of nitroglycerin measured by functional whole-body scanning (author's transl)] Schörner W, et al. **Z Kardiol** 1982 Jan; 71(1):21–5 (Eng. Abstr.) **(Ger)**

[Measurement of 24-hr whole-body retention of 99mTc-MDP with a thyroid uptake probe (author's transl)] Seto H, et al. **Radioisotopes** 1981 May;30(5):263–7 (Eng. Abstr.) **(Jpn)**

WHOLE BODY IRRADIATION

High-dose combined-modality therapy and autologous bone marrow transplantation in resistant cancer. Douer D, et al. **Am J Med** 1981 Dec;71(6):973–6

Radiation-induced augmentation of the response of A/J mice to Sal tumor cells. Anderson RE, et al. **Am J Pathol** 1982 Jul;108(1):24–37

Splenic and total-body irradiation treatment of myasthenia gravis. Engel WK, et al. **Ann NY Acad Sci** 1981;377:744–54

Effects of whole-body gamma irradiation on oxygen transport by rat erythrocytes. Thiriot C, et al. **Biochimie** 1982 Jan;64(1):79–83

Total-body irradiation in advanced non-Hodgkin's lymphoma. Dobbs HJ, et al. **Br J Radiol** 1981 Oct; 54(646):878–81

Changes in serum amylase and its isoenzymes after whole body irradiation. Barrett A, et al. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):170–1

Remission from polymyositis after total body irradiation. Hubbard WN, et al. **Br Med J [Clin Res]** 1982 Jun 26; 284(6333):1915–6

Remission from polymyositis after total body irradiation [letter] Schon F, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):290

Treatment of widespread skin infiltration in acute myeloblastic leukaemia with superficial penetrating whole body electron beam therapy. Morris TC, et al. **Eur J Cancer Clin Oncol** 1982 Mar;18(3):321–4

Megakaryocytopoiesis in irradiated, spienectomized mice. Ebbe S, et al. **Exp Hematol** 1981 Nov;9(10):1020–7

Gastrointestinal decontamination of dogs treated with total body irradiation and bone marrow transplantation. Vriesendorp HM, et al. **Exp Hematol** 1981 Oct;9(9):904–16

Hemopoiesis in the splenectomized-pregnant mouse following low-dose total-body irradiation. Weinberg SR, et al. **Exp Hematol** 1981 Sep;9(8):849–55

Piperazinedione (NSC 135758) and total body irradiation as an ablative bone marrow transplantation regimen in mice. Zander AR, et al. **Exp Hematol** 1981 Oct;9(9):945–9

Total body irradiation allows reinduction of allergic encephalomyelitis in convalescent Lewis rats. Willenborg DO Iei **Arch Allergy Appl Immunol** 1982;68(3):247–51

The effect of fractionated versus unfractionated total body irradiation on the growth of the BN acute myelocytic leukemia. Hagenbeek A, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug;7(8):1075–9

Fractionated total body irradiation for metastatic neuroblastoma. Kun LE, et al. **Int J Radiat Oncol Biol Phys** 1981 Nov;7(11):1599–602

An explanation for the ability of cytotoxic drug pretreatment to reduce bone marrow related lethality of total body irradiation (TBI). Millar JL, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr;8(3–4):381–3

The comparison of total body irradiation vs chlorambucil and prednisone for remission induction of active chronic lymphocytic leukemia: an ECOG study. Part I: total body irradiation–response and toxicity. Rubin P, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1623–32

Hyperfractionated total body irradiation for bone marrow transplantation: I. Early results in leukemia patients. Shank B, et al. **Int J Radiat Oncol Biol Phys** 1981 Aug; 7(8):1109–15

Radiobiological basis of total body irradiation with different dose rate and fractionation: repair capacity of hemopoietic cells. Song CW, et al. **Int J Radiat Oncol Biol Phys** 1981 Dec;7(12):1695–701

Marrow transplantation for acute nonlymphoblastic leukemic in first remission using fractionated or single-dose irradiation. Thomas ED, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):817–21

Natural killer activity and suppressor cells in irradiated mice repopulated with a mixture of cells from normal and 89Sr-treated donors. Levy EM, et al. **J Immunol** 1981 Oct; 127(4):1428–32

A study of Giardia infection in irradiated and thymectomized mice. Vasudev V, et al. **J Trop Med Hyg** 1982 Jun; 85(3):119–22

Effects of sublethal irradiation on changes in crypts of the mouse colon during treatment with 1,2-dimethylhydrazine. Richards TC, et al. **JNCI** 1982 Sep;69(3):693–7

Superoxide dismutase levels in various radioresistant and radiosensitive tissues of irradiated rats. Křižala J, et al. **Physiol Bohemoslov** 1982;31(2):151–7

CFU-S repopulation after low-dose whole-body radiation. Schofield R, et al. **Radiat Res** 1982 Mar;89(3):607–17

Radioiodine total body scan versus serum thyroglobulin levels in follow-up of patients with thyroid cancer. Colacchio TA, et al. **Surgery** 1982 Jan;91(1):42–5

[Whole-body irradiation in case of malignant lymphomas of low malignancy (author's transl)] Labedzki L, et al. **Strahlentherapie** 1982 Apr;158(4):195–201 (Eng. Abstr.) **(Ger)**

[Ribonucleic acid degradation in spleen and thymus cells of rats following whole body x-ray irradiation] Tempel K. **Zentralbl Veterinarmed [A]** 1981;28(4):327–37 (Eng. Abstr.) **(Ger)**

[A study of non-specific immunity of whole body irradiated mice (author's transl)] Kinoshita S. **Nippon Geka Hokan** 1981 Jan 1;50(1):83–94 (Eng. Abstr.) **(Jpn)**

[The influence of whole body 60Co-irradiation on distribution of 67Ga in tumor-bearing mice (author's transl)] Wakao H, et al. **Radioisotopes** 1981 Aug;30(8):431–6 (Eng. Abstr.) **(Jpn)**

[Experimental analysis of the combination of local tumor irradiation with whole body irradiation] Shutko AN, et al. **Med Radiol (Mosk)** 1982 Jun;27(6):25–32 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Dose-rate dependence of lung damage after total body irradiation in mice. Depledge MH, et al. **Int J Radiat Biol** 1982 Mar;41(3):325–34

Idiopathic interstitial pneumonia following bone marrow transplantation: the relationship with total body irradiation. Keane TJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct; 7(10):1365–70

High-dose total-body irradiation and autologous marrow reconstitution in dogs: dose-rate-related acute toxicity and fractionation-dependent long-term survival. Deeg HJ, et al. **Radiat Res** 1981 Nov;88(2):385–91

Engraftment of DLA-nonidentical unrelated canine marrow after high-dose fractionated total body irradiation. Deeg HJ, et al. **Transplantation** 1982 Apr;33(4):443–6

[Acute total body irradiation and treatment (author's transl)] Garreta L. **Therapie** 1981 Jul–Aug;36(4):489–99 (Eng. Abstr.) **(Fre)**

METHODS

Total body irradiation before bone marrow transplantation: a review. Barrett A. **Clin Radiol** 1982 Mar;33(2):131–5 (20 ref.)

Bone marrow transplantation using fractioned total body irradiation: Absence of pulmonary toxicity despite cytomegalovirus viraemia. Lowenthal RM, et al. **Med J Aust** 1981 Oct 31;2(9):492–3

The dosimetry of fixed, single source hemibody and total body irradiators. Glasgow GP. **Med Phys** 1982 May–Jun; 9(3):311–23 (87 ref.)

Whole body nuclear magnetic resonance imaging. Smith FW. **Radiography** 1981 Dec;47(564):297–300

[Whole body electron therapy in mycosis fungoides] Mandelzweig Y, et al. **Harefuah** 1981 May 15;100(10):452–4 (Eng. Abstr.) **(Heb)**

WHOOPING COUGH

see related
PERTUSSIS VACCINE

Pertussis (whooping cough). The specialist view. Beare TH. **Aust Fam Physician** 1982 Mar;11(3):194–5

Pertussis (whooping cough). The GP view. Muecke DS. **Aust Fam Physician** 1982 Mar;11(3):189–91, 193

ABC of 1 to 7: whooping cough. Valman HB. **Br Med J [Clin Res]** 1982 Mar 20;284(6319):886–7

BLOOD

Bordetella pertussis-induced hyperinsulinaemia without marked hypoglycaemia: a paradox explained. Furman BL, et al. **Br J Exp Pathol** 1981 Oct;62(5):504–11

COMPLICATIONS

Whooping cough—a study of severity in hospital cases. Robinson DA, et al. **Arch Dis Child** 1981 Sep;56(9):687–91

Cough syncope: a complication of adult whooping cough. Jenkins P, et al. **Br J Dis Chest** 1981 Jul;75(3):311–3

[Whooping cough-like syndrome in malnourished patients] Pérez Rodriguez G, et al. **Bol Med Hosp Infant Mex** 1982 Apr;39(4):273–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Adults with pertussis. MacLean DW. **J R Coll Gen Pract** 1982 May;32(238):298–300

Serological diagnosis of pertussis: IgM, IgA and IgG antibodies against Bordetella pertussis measured by enzyme-linked immunosorbent assay (ELISA). Viljanen MK, et al. **Scand J Infect Dis** 1982;14(2):117–22

[Pertussis-like syndrome in an infant, caused by Chlamydia trachomatis] Garty B, et al. **Harefuah** 1981 Apr 1;100(7):324 (Eng. Abstr.) **(Heb)**

[Pertussis (in clinical practice)] Horanská E. **Cesk Pediatr** 1982 May;37(5):269–71 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Efficacy of salbutamol in treatment of infant pertussis demonstrated by sound spectrum analysis. Peltola H, et al. **Lancet** 1982 Feb 6;1(8267):310–2

Limitations of erythromycin in whooping cough [letter] Henry R, et al. **Med J Aust** 1981 Jul 25;2(2):108–9

Antimicrobial therapy in whooping cough. Henry RL, et al. **Med J Aust** 1981 Jul 11;2(1):27–8

[Current status pertussis (news)] Di Nola F. **Minerva Pediatr** 1981 Nov 30;33(22):1111–3 **(Ita)**

[Modern concepts of drug therapy of whooping cough] Musso A, et al. **Minerva Pediatr** 1982 Feb 15;34(3):125–30 **(Ita)**

[Evaluation of pertussis therapy with specific gammaglobulins and erythromycin in the fist year of life (author's transl)] Izzi G, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):283–6 **(Ita)**

IMMUNOLOGY

[Research on whooping cough vaccine] Manclark CR. **Bull WHO** 1981;59(3):343–50 **(Fre)**

[The immunoglobulins in pertussis (author's transl)] Gatta AM, et al. **Ann Sclavo** 1981 Jul–Aug;23(4):425–32 (Eng. Abstr.) **(Ita)**

[Indices of the strength of collective pertussis immunity] Ryzhenko IM, et al. **Vrach Delo** 1981 Jul;(7):111–4 **(Rus)**

MICROBIOLOGY

[Non-selection mechanism of antibody-induced stable antigenic variability of microorganisms. I. Patterns in the antigenic variability of Bordetella pertussis] Kuzmetsov EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct; (10):24–9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Whooping cough in adults. Trollfors B, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):696–7

Whooping cough in relation to other childhood infections in 1977–9 in the United Kingdom. Stewart GT. **J Epidemiol Community Health** 1981 Jun;35(2):139–45

Pertussis in the United States, 1979: a look at vaccine efficacy. Broome CV, et al. **J Infect Dis** 1981 Aug;144(2):187–90

Whooping cough in nursery school children. Roberts A, et al. **J R Coll Gen Pract** 1981 Aug;31(229):470–2

The recurrence of whooping cough: possible implications for assessment of vaccine efficacy. Fine PE, et al. **Lancet** 1982 Mar 20;1(8273):666–9

Mild clinical course of pertussis in Swedish infants of today [letter] Taranger J. **Lancet** 1982 Jun 12;1(8285):1360

[Whooping cough] Adonajlo A. **Przegl Epidemiol** 1981; 35(1):51–4 **(Pol)**

[Spread of whooping cough among adults today] Okinshevich EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):58–63 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Ultrastructure of lymphocytes in a case of pertussis syndrome. Coppola A, et al. **Am J Pediatr Hematol Oncol** 1982 Spring;4(1):98–102

PREVENTION & CONTROL

Diphtheria, tetanus, and pertussis: Guidelines for vaccine prophylaxis and other preventive measures. Immunization Practices Advisory Committee, Centers for Disease Control. **Ann Intern Med** 1981 Dec;95(6):723–8

ABC of 1 to 7: whooping cough [letter] **Br Med J [Clin Res]** 1982 Apr 24;284(6324):1263–4

Efficacy of pertussis vaccination in England. Report from the PHLS Epidemiological Research Laboratory and 21 area health authorities. **Br Med J [Clin Res]** 1982 Jul 31; 285(6338):357–9

Medicine and the media—vaccination against whooping cough. Griffith AH. **J Biol Stand** 1981 Oct;9(4):475–82

Whooping cough: infection and disease [letter] Cameron J. **Lancet** 1982 Jun 5;1(8284):1301

Whooping cough vaccine efficacy [letter] Preston NW. **Lancet** 1982 Apr 10;1(8276):860

Whooping cough [letter] Ash D. **Med J Aust** 1982 May 1; 1(9):369–70

[Present and future of oral pertussis vaccination] Falk W, et al. **Fortschr Med** 1981 Sep 10;99(34):1363–6 (Eng. Abstr.) **(Ger)**

[Effect of duration of the intervals between immunization with DPT vaccine on the serological indices in children] Baeva EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):90–6 (Eng. Abstr.) **(Rus)**

THERAPY

[Evaluation of treatment of pertussis with specific gamma globulins in the first 6 months of life (based on complications of pertussis)] Sacchetti C, et al. **Minerva Pediatr** 1982 Jan 31;34(1–2):66–7 **(Ita)**

TRANSMISSION

Whooping cough in adults [letter] Williams WO. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1122

WIFE ABUSE see **SPOUSE ABUSE**

WILL see **VOLITION**

WILLIS' CIRCLE see **CIRCLE OF WILLIS**

WILLS

Response to the living will furor: directives for maximum care. Kapp MB. **Am J Med** 1982 Jun;72(6):855–9

Estate planning: an overview. Rosenbloom MS. **Dent Clin North Am** 1981 Oct;25(4):695–708

WILMS' TUMOR see **NEPHROBLASTOMA**

WILSON'S DISEASE see **HEPATOLENTICULAR DEGENERATION**

WIND see under **AIR MOVEMENTS**

WINE

A ban of fortified wine in Northwestern Ontario and its impact on the consumption level and drinking patterns. Giesbrecht N, et al. **Br J Addict** 1981 Sep;76(3):281–8

Alcohol in asthma and the bronchoconstrictor effect of chlorpropamide. Ayres J, et al. **Br J Dis Chest** 1982 Jan; 76(1):79–87

Interactions of isoniazid with foods. Hauser MJ, et al. **Drug Intell Clin Pharm** 1982 Jul–Aug;16(7–8):617–8

Effect of wine on gastric emptying in humans. Moore JG, et al. **Gastroenterology** 1981 Dec;81(6):1072–5

[Wine: a natural prophylactic?] Francesconi A. **G Clin Med** 1981 Oct;62(10):675–84 (21 ref.) (Eng. Abstr.) **(Ita)**

[Wine-film yeasts. I] Khayyat N, et al. **Microbiol Esp** 1979–1980;32–33:85–94 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Chlorpropamide alcohol flush and circulating met-enkephalin: a positive link. Medbak S, et al. **Br Med J [Clin Res]** 1981 Oct 10;283(6297):937–9

ANALYSIS

Identification of new volatile amines in grapes and wines. Ough CS, et al. **J Agric Food Chem** 1981 Sep–Oct; 29(5):938–41

HISTORY

The wild and the cultivated: wine in Euripides' Bacchae. Ruck CA. **J Ethnopharmacol** 1982 May;5(3):231–70

POISONING

Familial lead poisoning from contaminated wine. Loi F, et al. **Ital J Neurol Sci** 1981 Aug;2(3):283–90

WING

ABNORMALITIES

Chondrogenesis in the mutant nanomelia. Changes in the fine structure and proteoglycan synthesis in high density limb bud cell cultures. Sawyer LM, et al. **J Exp Zool** 1981 Apr; 216(1):121–31

[Mutual relationship of skeleton and musculature (author's transl)] Slačálková J, et al. **Acta Chir Orthop Traumatol Cech** 1981 Aug;48(4):281–7 (Eng. Abstr.) **(Cze)**

ANATOMY & HISTOLOGY

Anatomy of the zeugopodium and autopodium of the wing of the domestic fowl. I. Description of the muscles and the main arterial, venous and nerve trunks. Seichert V, et al. **Folia Morphol (Praha)** 1982;30(1):99–112

BLOOD SUPPLY

Effects of excising the apical ectodermal ridge on the development of the marginal vasculature of the wing bud in the chick embryo. Feinberg RN, et al. **J Exp Zool** 1982 Feb 20;219(3):345–54

Microscopic study of increased vascular permeability and leucocyte emigration in the chicken wing web. Awadhiya RP, et al. **Res Vet Sci** 1981 Sep;31(2):231–5

CYTOLOGY

Models for growth of clones in hexagonal cell arrangements: applications in Drosophila wing disc epithelia and plant epidermal tissues. Abbott LA, et al. **J Theor Biol** 1981 Jun 21;90(4):495–514

EMBRYOLOGY

On the stability of the myogenic cell line in avian limb bud development. Kieny M, et al. **Arch Anat Microsc Morphol Exp** 1981;70(2):81–90

Bithoraxoid, postbithorax, and the determination system of the haltere disk. Adler PN. **Dev Biol** 1981 Aug;86(1):157–69

Supernumerary limb structures after juxtaposing dorsal and ventral chick wing bud cells. Javois LC, et al. **Dev Biol** 1982 Mar;90(1):127–43

Nonuniform distribution of fibronectin during avian limb development. Tomasek JJ, et al. **Dev Biol** 1982 Mar; 90(1):118–26

The role of the zone of polarizing activity in controlling the differentiation of the apical mesenchyme of the chick wing-bud: histochemical techniques in the analysis of a developmental problem. Hinchliffe JR, et al. **Histochem J** 1981 Jul;13(4):643–58

Control of growth related to pattern specification in chick wing-bud mesenchyme. Cooke J, et al. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:169–85

Ectoderm–mesoderm interactions in relation to limb-bud chondrogenesis in the chick embryo: transfilter cultures and ultrastructural studies. Gumpel-Pinot M. **J Embryol Exp Morphol** 1981 Oct;65:73–87

Control of maintenance and anteroposterior skeletal differentiation of the anterior mesenchyme of the chick wing bud by its posterior margin (the ZPA). Hinchliffe JR, et al. **J Embryol Exp Morphol** 1981 Apr;62:63–82

Transfilter evidence for a zone of polarizing activity participating in limb morphogenesis. Kaprio EA. **J Embryol Exp Morphol** 1981 Oct;65:185–97

A gradation of hyaluronate accumulation along the proximodistal axis of the embryonic chick limb bud. Kosher RA, et al. **J Embryol Exp Morphol** 1981 Jun;63:85–98

Muscle nerve branches do not develop in chick wings devoid

of muscle. Lewis J, et al. **J Embryol Exp Morphol** 1981 Aug;64:211–32

The effect of removing posterior apical ectodermal ridge of the chick wing and leg on pattern formation. Rowe DA, et al. **J Embryol Exp Morphol** 1981 Oct;65 Suppl:309–25

Fine structural analysis of limb development in the wingless mutant chick embryo. Sawyer LM. **J Embryol Exp Morphol** 1982 Apr;68:69–86

Has collagen a role in muscle pattern formation in the developing chick wing? 1. An immunofluorescence study. Shellswell GB, et al. **J Embryol Exp Morphol** 1980 Dec; 60:245–54

Pattern formation along the anteroposterior axis of the chick wing: the increase in width following a polarizing region graft and the effect of X-irradiation. Smith JC, et al. **J Embryol Exp Morphol** 1981 Jun;63:127–44

The time required for positional signalling in the chick wing bud. Smith JC. **J Embryol Exp Morphol** 1980 Dec;60:321–8

The control of growth and the development of pattern across the anteroposterior axis of the chick limb bud. Summerbell D. **J Embryol Exp Morphol** 1981 Jun;63:161–80

Positional signalling along the anteroposterior axis of the chick wing. The effect of multiple polarizing region grafts. Wolpert L, et al. **J Embryol Exp Morphol** 1981 Jun; 63:145–59

Verification of an in vitro bioassay for limb bud polarizing activity. MacCabe JA, et al. **J Exp Zool** 1981 Apr; 216(1):103–6

GROWTH & DEVELOPMENT

Growth dynamics in the regeneration of a fragment of the wing imaginal disc of Drosophila melanogaster. Dunne JF. **Dev Biol** 1981 Oct 30;87(2):379–82

Regeneration following duplication of imaginal wing disc fragments of Drosophila melanogaster. Kirby BS, et al. **Dev Biol** 1982 Apr;90(2):259–71

mRNA populations during wing development in the silkmoth Antheraea polyphemus. Katula K, et al. **Mol Cell Endocrinol** 1981 Dec;24(3):293–313

INNERVATION

Preflight development of bilateral wing coordination in the chick (Gallus domesticus): effects of induced bilateral wing asymmetry. Provine RR. **Dev Psychobiol** 1982 May; 15(3):245–55

Differentiation of an identified sensory neuron (SR) and associated structures (CTO) in grasshopper embryos. Heathcote RD. **J Comp Neurol** 1981 Oct 10;202(1):1–18

Rules of motor innervation in chick embryos with supernumerary limbs. Hollyday M. **J Comp Neurol** 1981 Nov 1;202(3):439–65

Pioneer growth cones in virgin mesenchyme: an electron-microscope study in the developing chick wing. Al-Ghaith LK, et al. **J Embryol Exp Morphol** 1982 Apr; 68:149–60

PHYSIOLOGY

Growth during pattern regulation in imaginal discs. Adler PN. **Dev Biol** 1981 Oct 30;87(2):356–73

Wing-flapping develops in chickens made flightless by feather mutations. Provine RR. **Dev Psychobiol** 1981 Sep; 14(5):481–6

Regeneration from duplicating fragments of the Drosophila wing disc. Karlsson J, et al. **J Embryol Exp Morphol** 1981 Dec;66:117–26

Effect of augmentation of nerve supply upon limb regeneration in the chick embryo. Fowler I, et al. **J Exp Zool** 1982 May 20;221(1):49–59

ULTRASTRUCTURE

Wound healing in the imaginal discs of Drosophila. II. Transmission electron microscopy of normal and healing wing discs. Reinhardt CA, et al. **J Exp Zool** 1981 Apr; 216(1):45–61

WIRSUNG'S DUCT see **PANCREATIC DUCTS**

WIT AND HUMOR

The development of children's enjoyment and comprehension of thematic riddles. Whitt JK, et al. **Am J Orthopsychiatry** 1982 Jan;52(1):92–101

Humor, sex, and power in American society. Janus SS. **Am J Psychoanal** 1981 Summer;41(2):161–7

Forty years on. Lemberger RJ. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1686–7

Tertiary educational assessment with mean individual level knowledge. Shanks CA, et al. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1677–8

Volvolon: a recently discovered peptide hormone from the pineal body. Iversen OH. **Can Med Assoc J** 1982 Apr 1; 126(7):787–90

Gelotottherapy [editorial] Sherrington A. **Can Med Assoc J** 1982 Apr 1;126(7):753

Is uncle Sen insane? Pride, humor, and clique formation in a Northern Thai home for the elderly. Delaney B. **Int J Aging Hum Dev** 1981;13(2):137–50

Attitudes toward aging portrayed by birthday cards. Dillon KM, et al. **Int J Aging Hum Dev** 1981;13(1):79–84

The self concept of adolescent humorists. Ziv A. **J Adolesc** 1981 Jun;4(2):187–97

Al beauterol in America. **J Asthma** 1982;19(1):53–4

Osler, 'E. Y. D.,' and hysteria. Golden RL. **JAMA** 1982 May 21;247(19):2698–9

Humor and episodic memory following frontal versus posterior brain lesions. Prigatano GP, et al. **Percept Mot Skills** 1981 Dec;53(3):999–1006

Point of view: laws of urodynamics. Ryall RL, et al. **Urology** 1982 Jul;20(1):106–7

[Who was Minister for Cultural Affairs during the time of Socrates?] Pfohl G. **Med Welt** 1982 Mar 5;33(9):337–8 **(Ger)**

[Humor and medicine] Bienengräber A. **Zentralbl Chir** 1981; 106(24):1621–7 **(Ger)**

WITHDRAWAL SYMPTOMS see **SUBSTANCE WITHDRAWAL SYNDROME**

WITTENBORN SCALES see under **PSYCHIATRIC STATUS RATING SCALES**

WOLFF-PARKINSON-WHITE SYNDROME

Induced hypotension and Wolff-Parkinson-White syndrome. Gómez-Arnau J, et al. **Anaesthesist** 1982 Apr;31(4):193–4

[The Wolff-Parkinson-White syndrome in the newborn infant. Description of a case and clinical considerations] Spitali G, et al. **Minerva Cardioangiol** 1981 Jun;29(6):351–6 (Eng. Abstr.) **(Ita)**

[Modeling premature ventricular excitation (WPW syndrome) in a chronic experiment] Safonov IuD, et al. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):14–7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Initiation of atrial fibrillation by spontaneous ventricular premature beats in concealed Wolff-Parkinson-White syndrome. Shen EN, et al. **Am Heart J** 1982 May; 103(5):911–2

Onset of atrial fibrillation during antidromic tachycardia: association with sudden cardiac arrest and ventricular fibrillation in a patient with Wolff-Parkinson-White syndrome. Cosio FG, et al. **Am J Cardiol** 1982 Aug; 50(2):353–9

Paroxysmal atrial flutter and fibrillation associated with preexcitation syndrome: treatment with ajmaline. Sclarovsky S, et al. **Am J Cardiol** 1981 Nov;48(5):929–33

Long-term control of reciprocating paroxysmal tachycardia by ventricular pacing in a case of Wolff-Parkinson-White syndrome. Nilsson G, et al. **Br Heart J** 1982 Jun; 47(6):609–12

Electrocardiographic diagnosis of dual AV nodal pathways complicating the Wolff-Parkinson-White syndrome. Rosen KM, et al. **Chest** 1982 May;81(5):639–42

An unusual case of vagal influence affecting an atrioventricular accessory pathway. Pierfelice O, et al. **G Ital Cardiol** 1981;11(10):1530–3

Brady tachy arrhythmias in Wolff Parkinson White syndrome treated with permanent transvenous pacing and amiodrone hydrochloride. Talwar KK, et al. **Indian Heart J** 1981 Mar–Apr;33(2):52–5

Bradycardia–tachycardia syndrome due to sinus node disease and concealed Wolff-Parkinson-White syndrome. Civera RG, et al. **PACE** 1982 Jul;5(4):517–22

[Successful cardioversion for auricular fibrillation in pre-excitation syndrome—2 cases report (author's transl)] Jia GA. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980 Sep;8(3):207 **(Chi)**

[Electrocardiographic and histologic analysis of WPW syndrome associated with post-rheumatic valve defect] Homola D, et al. **Vnitr Lek** 1982 Jan;28(1):61–7 (Eng. Abstr.) **(Cze)**

[Wolff-Parkinson-White syndromes associated with right bundle branch block. Vectorcardiography (author's transl)] Laham J, et al. **Ann Cardiol Angeiol (Paris)** 1981 May; 30(3):185–9 (Eng. Abstr.) **(Fre)**

[Paroxysmal tachycardia in the Wolff-Parkinson-White syndrome (author's transl)] Laham J, et al. **Ann Cardiol Angeiol (Paris)** 1981 Oct;30(5):345–60 (21 ref.) (Eng. Abstr.) **(Fre)**

[Malignant ventricular tachyarrythmia due to atrial fibrillation in the Wolff-Parkinson-White syndrome. Section of the Kent bundle apropos of 2 cases] Garabedian V, et al. **Arch Mal Coeur** 1981 Jul;74(7):829–36 (Eng. Abstr.) **(Fre)**

[Genesis of auricular fibrillation in the Wolff-Parkinson-White syndrome] Gressard A, et al. **Arch Mal Coeur** 1981 Nov;74(11):1277–82 (Eng. Abstr.) **(Fre)**

[Combination of the Wolff-Parkinson-White syndrome and hypertrophic myocardiopathy. Report of 2 new cases and review of literature] Rizzo A, et al. **Boll Soc Ital Cardiol** 1980;25(4):431–7 (Eng. Abstr.) **(Ita)**

[Novocainamide in the treatment of paroxysmal supraventricular tachycardia and auricular fibrillation in premature ventricular excitation syndrome (relation between novocainamide dose, its blood level, and antiarrhythmia effect)] Ankhimiuk ON, et al. **Ter Arkh** 1982;54(3):92–6 (Eng. Abstr.) **(Rus)**

[Myocardial infarct in Wolff-Parkinson-White syndrome] Stankov P, et al. **Med Pregl** 1981;34(9–10):469–71 (Eng. Abstr.) **(Scr)**

CONGENITAL

Ventricular fibrillation associated with use of digitalis in a newborn infant with Wolff-Parkinson-White syndrome. Byrum CJ, et al. **J Pediatr** 1982 Sep;101(3):400–3

DIAGNOSIS

Exercise testing in the Wolff-Parkinson-White syndrome [letter] Lévy S, et al. **Am J Cardiol** 1981 Nov;48(5):976–7

The Wolff-Parkinson-White pattern in health aircrew. Davidoff R, et al. **Aviat Space Environ Med** 1981 Sep; 52(9):554–8

Localization of the site of ventricular preexcitation with body surface maps in patients with Wolff-Parkinson-White syndrome. Benson DW Jr, et al. **Circulation** 1982 Jun; 65(6):1259–68

Alternating Wolff-Parkinson-White pattern. Chia BL. **Heart Lung** 1981 Sep–Oct;10(5):883–5

The case of the possibly abnormal ECG in a teenage life insurance applicant. Hancock EW. **Hosp Pract** 1981 Oct; 16(10):46, 51

Failure of the refractory period of the accessory pathway to predict the ventricular rate during atrial fibrillation in Wolff-Parkinson-White syndrome. Rakovec P, et al. **Int J Cardiol** 1982;1(3–4):329–30

Wolff-Parkinson-White syndrome in pregnancy. Gleicher N, et al. **Obstet Gynecol** 1981 Dec;58(6):748–52

The use of atrial pacing to evaluate patients with definite or suspected Wolff-Parkinson-White syndrome. Bassan MM, et al. **PACE** 1982 Mar;5(2):208–16

[Diagnostic problems of the preexcitation syndrome in children (author's transl)] Tesařová A, et al. **Sb Lek** 1982 Mar;84(3):85–9 (Eng. Abstr.) **(Cze)**

[Corrected transposition of the great arteries with a left-sided Ebstein-like anomaly and WPW-syndrome. A case diagnosed by two-dimensional echocardiography] Keller N, et al. **Ugeskr Laeger** 1981 Jul 27;143(31):1971–2 (Eng. Abstr.) **(Dan)**

[Problems in the diagnosis and therapy of Wolff-Parkinson-White syndrome] Balzer K, et al. **Med Welt** 1981 Oct 9;32(41):1529–32 **(Ger)**

[Importance of electrophysiologic heart investigation in accessory atrio-ventricular pathway] Kappenberger L, et al. **Schweiz Med Wochenschr** 1980 Nov 8;110(45):1672–4 (Eng. Abstr.) **(Ger)**

[Transoesophageal atrial recording and pacing. Usefulness in the diagnosis and treatment of sinus node dysfunctions and hyperkinetic arrhythmias (author's transl)] Rocchi M, et al. **G Ital Cardiol** 1981;11(7):962–72 **(Ita)**

[Occult pre-excitation. Differential diagnosis between latent Wolff-Parkinson-White syndrome and concealed atrial pre-excitation (endocavitary electrophysiological study)] Mobilij A, et al. **Minerva Med** 1982 Jan 14;73(1–2):11–20 (Eng. Abstr.) **(Ita)**

[Correlation between localization of accessory conduction pathway and body surface maps in the Wolff-Parkinson-White syndrome (author's transl)] Magara T, et al. **Kokyu To Junkan** 1981 Oct;29(10):1085–9 (Eng. Abstr.) **(Jpn)**

[Study of computer display of epicardial map. Part II: Epicardial map in the Wolff-Parkinson-White syndrome (author's transl)] Iwase T. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Aug;29(8):1345–58 (Eng. Abstr.) **(Jpn)**

[WPW syndrome in childhood (author's transl)] Zdraveva M, et al. **God Zb Med Fak Skopje** 1979 Jan;25:513–21 (Eng. Abstr.) **(Mac)**

[Diagnostic value of the electrocardiographic signs of latent pre-excitation] Dąbrowski A, et al. **Kardiol Pol** 1981; 24(8):529–35 (Eng. Abstr.) **(Pol)**

[Abnormal Q waves and QS complexes as a manifestation of intraventricular conduction disorders] Dąbrowski A, et al. **Pol Tyg Lek** 1981 May 25;36(21):759–62 (Eng. Abstr.) **(Pol)**

[Value of drug tests in Wolff-Parkinson-White syndrome] Lukoshevichiute AI, et al. **Kardiologiia** 1981 Oct; 21(10):113–6 (50 ref.) **(Rus)**

[Use of the electrogram of the right ventricular apex] Moleiro F, et al. **Bol Asoc Med PR** 1981 Dec;73(12):591–5 **(Spa)**

DRUG THERAPY

Electrophysiologic drug testing in prophylaxis of sporadic paroxysmal atrial fibrillation: technique, application, and efficacy in severely symptomatic preexcitation patients. Bauernfeind RA, et al. **Am Heart J** 1982 Jun;103(6):941–9

Digoxin, propranolol, and atrioventricular reentrant tachycardia in the Wolff-Parkinson-White syndrome. Hung JS, et al. **Ann Intern Med** 1982 Aug;97(2):175–82

Acceleration of the ventricular response during atrial fibrillation in the Wolff-Parkinson-White syndrome after verapamil. Gulamhusein S, et al. **Circulation** 1982 Feb; 65(2):348–54

[Cure of two cases of preexcitation syndrome with local intramyocardial injection of dehydrated alcohol (author's transl)] Ma DZ. **Chung Hua Nei Ko Tsa Chih** 1981 Nov; 20(11):659–61 **(Chi)**

[The therapeutic effect of aprindine in treating 9 cases of Wolff-Parkinson-White syndrome associated with auricular fibrillation (author's transl)] Wang HZ.

Chung Hua Nei Ko Tsa Chih 1982 Feb;21(2):96–8 **(Chi)**
[Effects of mexiletine in the Wolff–Parkinson–White syndrome] Touboul P, et al. **Arch Mal Coeur** 1981 Nov; 74(11):1315–23 (Eng. Abstr.) **(Fre)**
[Long-term use of amiodarone in the treatment of ventricular pre-excitation with tachyarrhythmia attacks] Negro R, et al. **Clin Ter** 1981 May 15;97(3):291–7 **(Ita)**
[Electrophysiological evaluation of the anti-arrhythmia activity of ethmozin and its diethylamine analog in patients with Wolff–Parkinson–White syndrome] Shugushev KhKh, et al. **Ter Arkh** 1982;54(5):84–91 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acceleration stress-induced Wolff–Parkinson–White Syndrome with marked ST-segment depression. Whinnery JE. **Aviat Space Environ Med** 1981 Nov;52(11 Pt 1):654–7
[Septal bundle of Kent as a cause of atypical WPW syndrome] Homola D, et al. **Vnitr Lek** 1982 Jan;28(1):68–73 (Eng. Abstr.) **(Cze)**
[A case of ventricular pre-excitation due to probable Mahaim fibers] Saba GC, et al. **G Clin Med** 1982 Feb;63(2):125–30 **(Ita)**
[Intermittent syndrome of premature ventricular depolarization] Czaplicki S, et al. **Kardiol Pol** 1982; 25(1):1–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial Wolff–Parkinson–White syndrome. Chia BL, et al. **J Electrocardiol** 1982 Apr;15(2):195–8
[Familial WPW syndrome] Homola D, et al. **Vnitr Lek** 1982 Jan;28(1):53–60 (Eng. Abstr.) **(Cze)**
[Familial variants of cardiac rhythm and conductivity disorders] Zharko KP, et al. **Vrach Delo** 1981 Nov;(11):67–8 **(Rus)**

MORTALITY

[Sudden cardiac arrest in myocardial infarct and Wolff–Parkinson–White syndrome] Eichelkraut A. **Wiad Lek** 1981 May 1;34(9):753–6 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The Wolff–Parkinson–White syndrome and its anatomical substrates. Becker AE, et al. **Anat Rec** 1981 Sep; 201(1):169–77

PHYSIOPATHOLOGY

Quintuple pathways participating in three distinct types of atrioventricular reciprocating tachycardia in a patient with Wolff–Parkinson–White syndrome. Portillo B, et al. **Am J Cardiol** 1982 Aug;50(2):347–52
Surgical division of right and left free wall accessory atrioventricular electrical connections in a child with incessant supraventricular tachycardia. Richards D, et al. **Aust NZ J Med** 1982 Feb;12(1):52–5
Reciprocating tachycardia with only odd-numbered beats in the Wolff–Parkinson–White syndrome. Schamroth JM, et al. **Chest** 1981 Nov;80(5):643–6
Electrophysiologic effects of disopyramide phosphate in patients with Wolff–Parkinson–White syndrome. Kerr CR, et al. **Circulation** 1982 May;65(5):869–78
Wolff–Parkinson–White syndrome [letter] Grossman JB. **Drug Intell Clin Pharm** 1981 Nov;15(11):910
Electrophysiological effects of lorcainide in sinoatrial disease and in Wolff–Parkinson–White syndrome. Manz M, et al. **Eur Heart J** 1982 Feb;3(1):56–66
Ventriculo-atrial conduction over accessory pathways exhibiting decremental properties. Ward DE, et al. **Eur Heart J** 1982 Jun;3(3):267–75
A–V bypass tracts (WPW). electrophysiologic assessment & therapeutic consideration. Gandhi MJ, et al. **Indian Heart J Teach Ser** 1980;(7):298–305
Arrival of excitation at the left ventricular apical endocardium in Wolff–Parkinson–White syndrome type B. Garcia OL, et al. **J Electrocardiol** 1982 Apr;15(2):165–72
Correlation between localization of accessory conduction pathway and body surface maps in the Wolff–Parkinson–White syndrome. Iwa T, et al. **Jpn Circ J** 1981 Oct;45(10):1192–8
Combined effect of verapamil and disopyramide on induction of circus movement tachycardia in patients with pre-excitation. Matsuda H, et al. **Jpn Circ J** 1981 Oct; 45(10):1138–46
'Entrainment' phenomenon during reciprocating tachycardia in the Wolff–Parkinson–White syndrome. Inoue H, et al. **Jpn Heart J** 1982 Jan;23(1):129–35
Observations on mechanisms of circus movement tachycardia in the Wolff–Parkinson–White syndrome. Role of different tachycardia circuits and sites of block in maintenance of tachycardia. Brugada P, et al. **PACE** 1981 Sep;4(5):507–16
Atrial and ventricular vulnerability in a patient with the Wolff–Parkinson–White syndrome. Peters RW, et al. **PACE** 1981 Jan;4(1):17–22
Demonstration of bilateral anomalous pathways in a patient with the Wolff–Parkinson–White syndrome. Kou HC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Apr;80(4):457–64
[Tachycardia accompanying W–P–W pre-excitation syndrome (author's transl)] Jin L. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Jun; 9(2):117–21 **(Chi)**
[The effect of the WPW syndrome on systolic intervals] Homola D, et al. **Vnitr Lek** 1982 Feb;28(2):129–35 (Eng. Abstr.) **(Cze)**
[Wolff–Parkinson–White syndrome and longitudinal dissociation of the atrioventricular node. Anatomical and electrophysiological correlates] Brechenmacher C, et al. **Arch Mal Coeur** 1981 Jul;74(7):821–8 (Eng. Abstr.) **(Fre)**
[Difficulties of persistent repolarization following normalization of the QRS wave in the Wolff–Parkinson–White syndrome] Laham J, et al. **Arch Mal Coeur** 1982 Jun;75(6):663–70 (Eng. Abstr.) **(Fre)**
[Tachycardiac heart rhythm disorders in Wolff–Parkinson–White syndrome] Ardjah H, et al. **Med Welt** 1982 Mar 19;33(11):410–4 **(Ger)**
[Wolff–Parkinson–White syndrome: organic changes in the heart or autonomic nervous system disease] Marigliano V, et al. **Boll Soc Ital Cardiol** 1981;26(1):15–27 (Eng. Abstr.) **(Ita)**
[Echocardiographic study of patients with Wolff–Parkinson–White syndrome] Monducci I, et al. **Minerva Cardioangiol** 1982 Mar;30(3):95–102 (Eng. Abstr.) **(Ita)**
[An E. C. G. alteration from normal to WPW conduction induced by prostaglandin F2 alpha (author's transl)] Fuke N, et al. **Masui** 1982 Apr;31(4):381–6 (Eng. Abstr.) **(Jpn)**
[Stenocardia with the ventricular preexcitation syndrome] Pilipenko VA, et al. **Vrach Delo** 1981 Sep;(9):41–2 **(Rus)**
[Patent and occult Wolff–Parkinson–White syndrome. Electrophysiological studies] Portillo B, et al. **Bol Asoc Med PR** 1981 Dec;73(12):606–32 **(Spa)**
[Wolff–Parkinson–White syndrome. Electrophysiological study of 53 cases] Esteve Alderete JJ, et al. **Rev Esp Cardiol** 1981;34(1):17–25 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

An accurate means of detecting and characterizing abnormal patterns of ventricular activation by phase image analysis. Botvinick EH, et al. **Am J Cardiol** 1982 Aug;50(2):289–98

SURGERY

Surgical treatment of Wolff–Parkinson–White syndrome: division of an anomalous pathway using the superior approach. Brodman R, et al. **Ann Thorac Surg** 1982 Apr; 33(4):410–3
Surgical treatment of the Wolff–Parkinson–White syndrome in infants and children. Iwa T, et al. **Jpn J Surg** 1981; 11(4):297–304
The surgical treatment of reentrant atrioventricular tachycardia (Wolff–Parkinson–White syndrome) [editorial] Burchell HB. **Mayo Clin Proc** 1982 Jun;57(6):387–9
The Wolff–Parkinson–White syndrome: a surgical approach. Holmes DR Jr, et al. **Mayo Clin Proc** 1982 Jun;57(6):345–50
[Indication for surgery of tachycardic arrhythmias] Seipel L. **Dtsch Med Wochenschr** 1982 Apr 16;107(15):563–4 **(Ger)**
[Surgery on concealed Wolff–Parkinson–White syndrome (author's transl)] Mukai K, et al. **Kokyu To Junkan** 1981 Jul;29(7):779–83 (Eng. Abstr.) **(Jpn)**
[Characteristics of the operations on the heart conduction system in the pre-excitation syndrome] Bredikis IuIu, et al. **Kardiologiia** 1981 Oct;21(10):29–35 (Eng. Abstr.) **(Rus)**
[Characteristics of operations on the heart conduction pathways in the preexcitation syndrome. I. Destruction of the bundle of Kent in the free cardiac wall] Bredikis IuIu, et al. **Kardiologiia** 1981 Sep;21(9):27–32 (Eng. Abstr.) **(Rus)**
[Surgical correction of Wolf–Parkinson–White syndrome (author's transl)] Gómez-Arnau J, et al. **Rev Esp Anestesiol Reanim** 1981 Jul;28(4):256–9 (Eng. Abstr.) **(Spa)**
[Surgical treatment of 24 patients with Wolff–Parkinson–White syndrome and tachycardia: topographic diagnosis of Kent bundles and evaluation of results] Márquez-Montes J, et al. **Rev Esp Cardiol** 1981; 34(4):271–81 (Eng. Abstr.) **(Spa)**

THERAPY

The management of patients with suspected Wolff–Parkinson–White Syndrome—a four year review. Hamer AW, et al. **Aust NZ J Med** 1981 Dec;11(6):629–38 (39 ref.)
Initial experience with a fully implantable, programmable, scanning, extrastimulus pacemaker for tachycardia termination. Nathan AW, et al. **Clin Cardiol** 1982 Jan; 5(1):22–6
[Preventive treatments of tachycardias in Wolff–Parkinson–White syndrome] Frank R, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1325–9 (Eng. Abstr.) **(Fre)**
[Case of Wolff–Parkinson–White syndrome with cardiac asystole treated by constant endocardiac electrostimulation] Zakharov VN, et al. **Kardiologiia** 1982 Apr;22(4):101–3 **(Rus)**

WOLFFIAN BODY see **MESONEPHROS**

WOLFFIAN DUCT

PATHOLOGY

[A vaginal processus with a descended epididymis and a complete cryptorchism at the same site in an adult (author's transl)] Böhnel P, et al. **Z Kinderchir** 1982 Jan;35(1):38–40 (Eng. Abstr.) **(Ger)**

WOLFRAM see **TUNGSTEN**

WOMEN

Some ethnological aspects on the treatment of elderly women. Samsioe G. **Acta Obstet Gynecol Scand [Suppl]** 1981;106:5–6
Women's issues: a new beginning [editorial] Benedek EP. **Am J Psychiatry** 1981 Oct;138(10):1317–8
Inequality and women's mental health: an overview. Carmen E, et al. **Am J Psychiatry** 1981 Oct;138(10):1319–30
Women in academic psychiatry: politics and progress. Robinowitz CB, et al. **Am J Psychiatry** 1981 Oct; 138(10):1357–61
Women's gymnastics. A significant rule change. Jackson DW. **Am J Sports Med** 1981 Sep–Oct;9(5):345–6
Women in new drug trials [letter] Kendall MJ, et al. **Ann Intern Med** 1982 Mar;96(3):376–7
Underrepresentation of women in new drug trials. Kinney EL, et al. **Ann Intern Med** 1981 Oct;95(4):495–9
Female employment and fertility in Peninsular Malaysia: the maternal role incompatibility hypothesis reconsidered. Mason KO, et al. **Demography** 1981 Nov;18(4):549–75
Challenges and promises of training women as family systems therapists. Caust BL, et al. **Fam Process** 1981 Dec; 20(4):439–47
Women and social security: social policy adjusts to social change. Kahne H. **Int J Aging Hum Dev** 1981;13(3):195–208
Child psychiatry perspectives: women, work, and children. Nadelson C, et al. **J Am Acad Child Psychiatry** 1981 Autumn;20(4):863–75 (51 ref.)
'The little health of ladies.' An anatomy of female invalidism in the nineteenth century. Bauer C, et al. **J Am Med Wom Assoc** 1981 Oct;36(10):300–6
Job stress and health in working women. Pepitone-Arreola-Rockwell F, et al. **J Human Stress** 1981 Dec;7(4):19–26
Myths about women: medicine's nostalgic view. Wilson M, et al. **J Med Assoc State Ala** 1982 Jun;51(12):37–9
Women faculty members at U.S. medical schools. Higgins E. **J Med Educ** 1982 Mar;57(3):202–3
The performance of female medical students in an obstetrics and gynecology clerkship. Miller JM Jr, et al. **J Med Educ** 1982 Aug;57(8):644–6
Distribution of women in U.S. medical schools, 1970–71 and 1980–81. Turner KS, et al. **J Med Educ** 1982 Aug; 57(8):651–2
Analysis of coverage of tobacco hazards in women's magazines. Whelan EM, et al. **J Public Health Policy** 1981 Mar;2(1):28–35
Official statistics and women's health [editorial] **J R Coll Gen Pract** 1981 Aug;31(229):451–2
Educational problems in a woman's profession. Bullough B, et al. **JNE** 1981 Sep;20(7):6–17 (50 ref.)
Reciprocal effects of health and labor force participation among women: evidence from two longitudinal studies. Waldron I, et al. **JOM** 1982 Feb;24(2):126–32
Symposium on women's health issues. **Nurs Clin North Am** 1982 Mar;17(1):111–85
An approach to health assessment of women. Dery GK. **Nurs Clin North Am** 1982 Mar;17(1):127–36
Aged women and health. Gelein JL. **Nurs Clin North Am** 1982 Mar;17(1):179–85
Women's health. perspectives for nursing research. Woods NF. **Nurs Clin North Am** 1982 Mar;17(1):113–9
Homeless women. Slavinsky AT, et al. **Nurs Outlook** 1982 Jun;30(6):358–62
Women's health care: approaches in delivery to physically disabled women. Peters L. **Nurse Pract** 1982 Jan;7(1):34–7, 48
Uses and limitations of male/female data. Tabor M. **Occup Health Saf** 1981 Nov;50(11):38–44, 51
Manual transport of loads by women. Hayne CR. **Physiotherapy** 1981 Aug;67(8):226–31
Women scientists and engineers: trends in participation. Vetter BM. **Science** 1981 Dec 18;214(4527):1313–21
The role of women in traditional healing among the Bambara of Mali. Imperato PJ. **Trans R Soc Trop Med Hyg** 1981; 75(6):766–70
Working women an childbearing: United States. Groat HT, et al. **Vital Health Stat [23]** 1982 Feb;23(9):1–53
[Assault on and abuse of women (editorial)] Adserballe H. **Ugeskr Laeger** 1981 Aug 31;143(36):2319–20 **(Dan)**
[Sports for health of women. A physiological performance and sociological study] Messing M, et al. **Rehabilitation (Bonn)** 1981;34(1–2):1–12 (Eng. Abstr.) **(Ger)**
[Smoking habits of female students] Behncke K, et al. **Z Gesamte Hyg** 1981 Oct;27(10):801–3 (Eng. Abstr.) **(Ger)**
[Decisions of the Communist Party in the field of industrial hygiene for women and the participation of hygienists in their realization] Volkova ZA. **Gig Tr Prof Zabol** 1981 Oct;

(10):1–4 **(Rus)**
[Women in health and development. 5-year plan for the Americas] **Bol Of Sanit Panam** 1982 Feb;92(2):153–74 **(Spa)**

EDUCATION

The effect of female education on fertility: a simple explanation. Jain AK. **Demography** 1981 Nov;18(4):577–95

PSYCHOLOGY

To marry or not to marry: a choice. Nadelson CC, et al. **Am J Psychiatry** 1981 Oct;138(10):1352–6
The effect of wives' employment on the mental health of married men and women. Kessler RC, et al. **Am Sociol Rev** 1982 Apr;47(2):216–27
The male–female balance of power in the Western tradition. Medlicott RW. **Aust NZ J Psychiatry** 1981 Jun; 15(2):157–63
The professional woman as patient: a review and an appeal. Myers MF. **Can J Psychiatry** 1982 Apr;27(3):236–40
Social isolation experienced by women residents in a new surburban community. Stewart MJ. **Can J Public Health** 1982 Jan–Feb;73(1):52–6
Conflicting roles in women. Ottenberg P. **Del Med J** 1982 May;54(5):287–92
'Women in the middle' and family help to older people. Brody EM. **Gerontologist** 1981 Oct;21(5):471–80
Psychotropic drug use by women: characteristics of high consumers. Pihl RO, et al. **Int J Addict** 1982 Feb; 17(2):259–69
Women Clients in special women's demonstration drug abuse treatment programs compared with women entering selected co-sex programs. Reed BG, et al. **Int J Addict** 1981 Dec;16(8):1425–66
Sex roles among deviants: the woman addict. Rosenbaum M. **Int J Addict** 1981 Jul;16(5):859–77
Body image and sex-role stereotype as features of addiction in women. Weathers C, et al. **Int J Addict** 1982 Feb; 17(2):343–7
Women working: fears of failure, deviance and success. Person ES. **J Am Acad Psychoanal** 1982 Jan;10(1):67–84
High heels. The agony and the ecstasy. Rossi WA. **J Am Podiatry Assoc** 1981 Dec;71(12):698–9
Cognitive development and female psychology. Silverman MA. **J Am Psychoanal Assoc** 1981;29(3):581–605
Perceptions of religious solutions to personal problems of women. Lilliston L, et al. **J Clin Psychol** 1982 Jul; 38(3):546–9
Publication records of women clinicians in the Journal of Consulting and Clinical Psychology. Tryon GS. **J Consult Clin Psychol** 1981 Dec;49(6):974–6
The role of psychological androgyny in female students' dental career choices. Hamby CL. **J Dent Educ** 1982 Sep; 46(9):537–40
The consequences of childlessness on the social-psychological well-being of older women. Beckman LJ, et al. **J Gerontol** 1982 Mar;37(2):243–50
Women, work and stress: a review and agenda for the future. Haw MA. **J Health Soc Behav** 1982 Jun;23(2):132–44
The average women and the eternal female: gleanings from retirement. Cavins AW. **J Indiana State Med Assoc** 1981 Jul;74(7):425
Motivations of women over 30 for going to medical school. Kaplan SR. **J Med Educ** 1981 Oct;56(10):856–8
Cuban women, sex role conflicts and the use of prescription drugs. González DH, et al. **J Psychoactive Drugs** 1981 Jan–Mar;13(1):47–51
Getting the treatment: recycling women addicts. Rosenbaum M, et al. **J Psychoactive Drugs** 1981 Jan–Mar;13(1):1–13
Women treating women for depression. van Servellen GM. **J Psychosoc Nurs Ment Health Serv** 1981 Aug;19(8):22–4
Creative coping: a program of group counseling for women with physical disabilities. Kriegsman KH, et al. **J Rehabil** 1981 Jul–Sep;47(3):36–9
Reasons given by female virgins for not having premarital intercourse. Herold ES, et al. **J Sch Health** 1981 Sep; 51(8):496–500
Sexual behavior, sex-role adaptation and drinking in young women. Zucker RA, et al. **J Stud Alcohol** 1981 May; 42(5):457–65
The trend away from breast feeding in a developing country: a women's perspective. Zurayk HC, et al. **J Trop Pediatr** 1981 Oct;27(5):237–44
The dependent elderly and women's changing roles. Brody EM. **Mt Sinai J Med (NY)** 1981 Nov–Dec;48(6):511–9
Health behaviors of women. Collier P. **Nurs Clin North Am** 1982 Mar;17(1):121–6
Psychosocial stresses of working women. Jacobson SF. **Nurs Clin North Am** 1982 Mar;17(1):137–44
When a women heads the household. Duffy ME. **Nurs Outlook** 1982 Sep–Oct;30(8):468–73
Women and the fear of being envied. Rodgers JA. **Nurs Outlook** 1982 Jun;30(6):344–7
The relationship of health beliefs, health locus of control, and self concept to the practice of breast self-examination in adult women. Hallal JC. **Nurs Res** 1982 May–Jun; 31(3):137–42
Ambition and accounts: a study of working-class women in adult education. McLaren AT. **Psychiatry** 1982 Aug; 45(3):235–46
Half a century later: current status of Freud's controversial views on women. Fliegel ZO. **Psychoanal Rev** 1982 Spring; 69(1):7–28
Narcissism and female gender identity: a reformulation. Lachmann FM. **Psychoanal Rev** 1982 Spring;69(1):43–61
Individuation of women. Lebe D. **Psychoanal Rev** 1982 Spring;69(1):63–73
Female identity in psychosocial perspective. Menaker E. **Psychoanal Rev** 1982 Spring;69(1):75–83
Female self representation and the unconscious: a reply to Amy Galen. Waites EA. **Psychoanal Rev** 1982 Spring; 69(1):29–42
Women's role orientations and expected fertility: evidence from the Detroit area, 1978. De Vos S. **Soc Biol** 1980 Summer;27(2):130–7
Effect of modernization on Kuwaiti women. Meleis AI. **Soc Sci Med** 1982;16(9):965–70
[Women before and after retirement (author's transl)] Schneider HD. **Aktuel Gerontol** 1982 May;12(3):95–9 (Eng. Abstr.) **(Ger)**
[Stress in the life of women. Definition and evaluation of working women] Biener K, et al. **Fortschr Med** 1982 Feb 18;100(7):281–4 **(Ger)**

WOMEN PHYSICIANS see **PHYSICIANS, WOMEN**

WOMEN'S LIBERATION see **WOMEN'S RIGHTS**

WOMEN'S RIGHTS

The radical faction of women's liberation a psychodynamic assessment. Siassi I, et al. **Int J Soc Psychiatry** 1981 Winter; 27(4):261–9
Women MDs in America: 100 years of progress and backlash. Rosenthal PA, et al. **J Am Med Wom Assoc** 1982 May; 37(5):129–33
Advancement of men and women in medical academia. A pilot study. Wallis LA, et al. **JAMA** 1981 Nov 20; 246(20):2350–3
Death in an untenured position [editorial] Witte MH. **JAMA** 1981 Nov 20;246(20):2356–7
Moving into the Second Stage: an interview with Betty Friedan. Friedan B. **Nurs Outlook** 1981 Nov;29(11):666–9
Involving nursing in a feminist group–NOW. Talbott SW, et al. **Nurs Outlook** 1981 Oct;29(10):592–5
The political economy of sexism in industrial health. Felker M. **Soc Sci Med** 1982;16(1):3–13
Comment on the paper 'The Political Economy of Sexism in Industrial Health' by Marcia Felker. Stacey M. **Soc Sci Med** 1982;16(1):15–8

HISTORY

Estelle Ramey, PhD: her sister's keeper [news] Bolsen B. **JAMA** 1982 Jun 4;247(21):2877, 2880–1
Aletta Jacobs. Kyle RA, et al. **JAMA** 1982 May 14; 247(18):2534
[Eloísa Díaz MD (1866–1950): 100 years since the first Chilean woman was admitted to the University (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1981 Apr; 109(4):355–66 **(Spa)**

LEGISLATION & JURISPRUDENCE

ERA: a cliffhanger all the way. England MJ. **J Am Med Wom Assoc** 1982 Mar;37(3):60–2
Fetal versus maternal rights [letter] Owens WL. **Obstet Gynecol** 1982 May;59(5):666–7
[Legal compendium on women's rights and the Chilean child regarding breast feeding] Scroggie S. **Rev Chil Pediatr** 1981 Mar–Apr;52(2):163–7 **(Spa)**

TRENDS

Women and the pill: from panacea to catalyst. Scrimshaw SC. **Fam Plann Perspect** 1981 Dec;13(6):254–6, 260–2

WOOD

Low-level arsenic exposure in wood processing plants. Rosenberg MJ, et al. **Am J Industr Med** 1980;1(1):99–107
Hypersensitivity pneumonitis due to Saccharomonospora viridis diagnosed by inhalation challenge. Greene JG, et al. **Ann Allergy** 1981 Dec;47(6):449–52
Allergic contact dermatitis caused by olive wood jewelry. Hausen BM, et al. **Arch Dermatol** 1981 Nov;117(11):732–4
Hand-arm vibration in the aetiology of hearing loss in lumberjacks. Pyykkö I, et al. **Br J Ind Med** 1981 Aug; 38(3):281–9
Ventilatory function in workers exposed to tea and wood dust. Al Zuhair YS, et al. **Br J Ind Med** 1981 Nov; 38(4):339–45
Sorption of pentachlorophenol by unbleached wood pulp fibers. Nitka DM, et al. **Bull Environ Contam Toxicol** 1982 May;28(5):605–10
Chronic respiratory disease among workers in a pulp mill: a ten-year follow-up study. Poukkula A, et al. **Chest** 1982 Mar;81(3):285–9
Bronchial asthma due to inhaled wood dust: Tanganyika aningré. Paggiaro PL, et al. **Clin Allergy** 1981 Nov; 11(6):605–10
A case of ramin wood sensitivity. Beck MH, et al. **Contact Dermatitis** 1982 Jan;8(1):74–5
Immune complex vasculitis and contact dermatitis to Frullania. Faure M, et al. **Contact Dermatitis** 1981 Nov; 7(6):320–5
Violin chin rest eczema due to east-indian rosewood (Dalbergia latifolia ROXB). Haustein UF. **Contact Dermatitis** 1982 Jan;8(1):77–8
Composition of guayule leaves, seed, and wood. Banigan TF, et al. **J Agric Food Chem** 1982 May–Jun;30(3):427–31
Immunologic and nonimmunologic mechanisms in asthma due to western red cedar (Thuja plicata). Chan-Yeung M. **J Allergy Clin Immunol** 1982 Jul;70(1):32–7
Cancer morbidity among woodworkers in the U.S. automotive industry. Swanson GM, et al. **JOM** 1982 Apr; 24(4):315–9
Barbiturate sleeptime in mice exposed to autoclaved or unautoclaved wood beddings. Cunliffe-Beamer TL, et al. **Lab Anim Sci** 1981 Dec;31(6):672–5
Follow-up on pentachlorophenol in log homes. **MMWR** 1982 Apr 9;31(13):170–1
[Ethmoidomaxillary carcinomas] Chládek V, et al. **Cesk Otolaryngol** 1982 Jan;31(1):36–40 (Eng. Abstr.) **(Cze)**
[Plasma lipids in forestry workers] Brücknerová O, et al. **Vnitr Lek** 1981 Sep;27(9):845–51 (Eng. Abstr.) **(Cze)**
[Biological health check-up for woodworkers in Ivory Coast: first results (author's transl)] Ette A, et al. **Bull Soc Pathol Exot Filiales** 1981 Sep–Oct;74(5):546–52 (Eng. Abstr.) **(Fre)**
[Wood dust: health risks and health surveillance of exposed workers] Goulet L, et al. **Union Med Can** 1981 Oct; 110(10):865–70 (Eng. Abstr.) **(Fre)**
[Incidence and significance of toxic and allergic contact dermatitis caused by machaerium scleroxylum Tul. (Pao ferro), a substitute wood for palisander (Dalbergia nigra All.)] Hausen BM. **Hautarzt** 1982 Jun;33(6):321–8 (Eng. Abstr.) **(Ger)**
[Demonstration of non-metallic foreign bodies by conventional x-ray techniques and computer tomography. Absorption coefficient of glass, plastic and wood (author's transl)] Schmitt WG, et al. **ROFO** 1981 Aug;135(2):209–13 (Eng. Abstr.) **(Ger)**
[Identification of the dusts from exotic woods] Marini Bettolo G, et al. **Ann Ist Super Sanita** 1981;17(2):189–97 **(Ita)**
[Temporary shift in the auditory threshold of lumberjacks working with mechanized saws] Nowacka E. **Med Pr** 1981; 32(6):429–32 (Eng. Abstr.) **(Pol)**
[Morbidity among forestry workers] Rafalski H, et al. **Med Pr** 1981;32(4):289–96 (Eng. Abstr.) **(Pol)**
[Work capacity and health status characteristics of women workers in the wood-working industry] Avdeeva IA. **Gig Tr Prof Zabol** 1981 Oct;(10):11–3 (Eng. Abstr.) **(Rus)**
[The effect of feeding sawdust and fodder cut into various lengths on rumen fermentation] Baran M, et al. **Vet Med (Praha)** 1982 Feb;27(2):65–74 (Eng. Abstr.) **(Slo)**

WOOL

Structural studies on the microfibrillar proteins of wool: characterization of the alpha-helix-rich particle produced by chymotryptic digestion. Woods EF, et al. **Aust J Biol Sci** 1981;34(5–6):515–26
Mutagenicity tests of fabric-finishing agents in Salmonella typhimurium: fiber-reactive wool dyes and cotton flame retardants. MacGregor JT, et al. **Environ Mutagen** 1980; 2(3):405–18
Growth of populations of lice, Damalinia ovis, on sheep and their effects on production and processing performance of wool. Wilkinson FC, et al. **Vet Parasitol** 1982 Feb; 9(3–4):243–52
[Report on the health of woolen worker in Linzhi, Tibet (author's transl)] Li ZJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 Jan;15(1):50–1 **(Chi)**
[Physiological and hygienic characteristics of the work of female weavers in modern woolen cloth manufacture] Mikhalev SF. **Gig Tr Prof Zabol** 1982 Apr;(4):4–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Contact allergic purpura to wool dust. Agarwal K. **Contact Dermatitis** 1982 Jul;8(4):281–2
[Sputum cytology in a group of wool weavers] Paoletti A, et al. **Pathologica** 1981 Jan–Feb;73(1023):31–7 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Observations on fibre diameter variation of sheep in relation to fleece-rot and body strike susceptibility. Watts JE, et al. **Aust Vet J** 1981 Aug;57(8):372–6

DRUG EFFECTS

Defleecing effect of betamethasone and other long-acting corticosteroids, their influence on wool growth and some physiological processes in sheep. McDonald BJ, et al. **Aust J Biol Sci** 1982;35(1):33–47
Inhibitory effects of ethionine, an analogue of methionine, on wool growth. Reis PJ, et al. **Aust J Biol Sci** 1982; 35(1):49–62

GROWTH & DEVELOPMENT

Plasma concentrations and urinary excretion of mouse

epidermal growth factor associated with the inhibition of food consumption and of wool growth in Merino wethers. Panaretto BA, et al. **J Endocrinol** 1982 Aug;94(2):191–202

PHYSIOLOGY

Responses of shorn and full-fleeced lambs given two levels of feed intake and exposed to warm and cold temperatures. Horton GM. **Am J Vet Res** 1981 Dec;42(12):2151–4

TOXICITY

[Comparative toxicological evaluation of the combustion products of multicomponent textiles with a wool and synthetic fiber base] Eltingon AI, et al. **Gig Tr Prof Zabol** 1981 Sep;(9):50–2 **(Rus)**

WORD ASSOCIATION TESTS

Free associations of older adults to single words and conceptually related word triads. Lovelace EA, et al. **J Gerontol** 1982 Jul;37(4):432–7

Effect of contextual priming in visual vs auditory presentation. Sweidel GB, et al. **Percept Mot Skills** 1982 Jun;54(3 Pt 2):1083–6

Inter-relationships among three measures of disordered thinking in continuous word association. Silverstein ML, et al. **Psychol Rep** 1982 Jun;50(3 Pt 1):803–9

WORK

see related
EFFICIENCY

Effects of low energy diets on work performance. Horton ES. **Am J Clin Nutr** 1982 May;35(5 Suppl):1228–33

Alcohol and blood pressure in a working population. Arkwright PD, et al. **Clin Exp Pharmacol Physiol** 1981 Sep–Oct;8(5):451–4

The influence of day and night work on the circadian variations of cardiovascular performance. Vrâncianu R, et al. **Eur J Applied Physiol** 1982;48(1):11–23

Possibility of information analysis of the periodic structure of the human cardiac rhythm during work. Navakatikyan AO, et al. **Hum Physiol** 1981 Mar–Apr;7(2):86–92

Dynamics of psychophysiological and cardiovascular indices during operator activity involving expectation and tracking. Sapova NI, et al. **Hum Physiol** 1981 Jan–Feb; 7(1):37–41

Cardiac frequency as a means of predicting working capacity. Voronin LG, et al. **Hum Physiol** 1981 Jan–Feb;7(1):29–33

Energy expenditure in manual load carriage. Samanta A, et al. **Ind Health** 1981;19(3):145–54

Application of physiological parameters for evolving optimum work–rest rhythm in actual place of work. Ganguly T, et al. **Indian J Med Res** 1981 Nov;74:721–8

Apparent phase-shifts of circadian rhythms (masking effects) during rapid shift rotation. Vokac Z, et al. **Int Arch Occup Environ Health** 1981;49(1):53–65

The dynamics of work addiction. Rohrlich JB. **Isr J Psychiatr Relat Sci** 1981;18(2):147–56

Exercise recovery above and below anaerobic threshold following maximal work. Stamford BA, et al. **J Appl Physiol** 1981 Oct;51(4):840–4

Proceedings of the Fourteenth Annual Conference of the Human Ergology Research Association, Tokyo, June 16–17, 1979. Abstracts. **J Hum Ergol (Tokyo)** 1980 Dec; 9(2):191–206

Changes in the metabolic cost of standardized work associated with the use of an oral contraceptive. McNeill AW, et al. **J Sports Med Phys Fitness** 1981 Sep; 21(3):238–44

Abstinent alcoholics' adjustment to work. Levy MF, et al. **J Stud Alcohol** 1981 May;42(5):529–32

Effect of early return to work after elective repair of inguinal hernia: Clinical and financial consequences at one year and three years. Bourke JB, et al. **Lancet** 1981 Sep 19; 2(8247):623–5

Psychosocial stresses of working women. Jacobson SF. **Nurs Clin North Am** 1982 Mar;17(1):137–44

Muscle weakness following eccentric work in man. Davies CT, et al. **Pflugers Arch** 1981 Dec;392(2):168–71

Manual transport of loads by women. Hayne CR. **Physiotherapy** 1981 Aug;67(8):226–31

Deleterious effects of iron deficiency. Beard J, et al. **Prog Clin Biol Res** 1981;77:305–10

Relationship between working environment, self-concept, real-ideal self discrepancy, and functionality in physical education teachers. Holmen MG, et al. **Res Q Exerc Sport** 1981 Oct;52(3):311–23

Rotating shift work schedules that disrupt sleep are improved by applying circadian principles. Czeisler CA, et al. **Science** 1982 Jul 30;217(4558):460–3

Work, aging and dependency in a Sherpa population in Nepal. Beall CM, et al. **Soc Sci Med** 1982;16(2):141–7

The work of hospitalized patients. Strauss AL, et al. **Soc Sci Med** 1982;16(9):977–86

Obsessive-compulsive behaviour in American medicine. Searle M. **Soc Sci Med [E]** 1981 Aug;15(3):185–93

[Functional rheoencephalographic studies of the frontomastoid line in work associated with significant neuropsychologic stress] Dobrovolski I. **Probl Khig** 1981; 6:15–20 (Eng. Abstr.) **(Bul)**

[Work and stress] de Wolff CJ. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1661–4 **(Dut)**

[Work and task load in old age] Fuldauer A. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1671–2 **(Dut)**

[Underexertion in work] van Wely PA. **Ned Tijdschr Geneeskd** 1981 Oct 10;125(41):1659–61 **(Dut)**

[The effect of rehabilitation following a first heart infarct in middle-aged men on resumption of work after 3–5 years] Vermeulen A, et al. **Ned Tijdschr Geneeskd** 1981 Nov 21; 125(47):1921–4 (Eng. Abstr.) **(Dut)**

[Study of work hours and health of nurses] Crespy J, et al. **Soz Praventivmed** 1981 Jul;26(3):184–7 **(Fre)**

[Attitude of paraplegics to occupational activity. Excerpts from an empirical study] Nicklas K. **Off Gesundheitswes** 1981 Jul;43(7):305–9 **(Ger)**

[Reasons for apprentice dropout in a large industrial enterprise] Heierli C. **Soz Praventivmed** 1981 Jul; 26(3):188–91 (Eng. Abstr.) **(Ger)**

[Relation of work fitness and personality development from the viewpoint of the medical profession] Kober R. **Z Arztl Fortbild (Jena)** 1982 Mar 1;76(5):216–9 **(Ger)**

[Working conditions in 22 Hamburg homes for the aged from the viewpoint of the personnel] Kempe P, et al. **Z Gerontol** 1981 Nov–Dec;14(6):444–58 (Eng. Abstr.) **(Ger)**

[Industrial-hygienic, ergophthalmologic and industrial-psychologic problems in windowless workrooms] Grube MR. **Z Gesamte Hyg** 1981;27(8):603–5 (Eng. Abstr.) **(Ger)**

[Technical aids in designing work areas for the handicapped] Wieland K. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1982 May;32(5):176–80 (Eng. Abstr.) **(Ger)**

[A programme for preparing the working people to an active seniorship (author's transl)] Stulich L, et al. **ZFA (Dresden)** 1980;35(5):387–95 (Eng. Abstr.) **(Ger)**

[PMV ('predicted mean vote'): calculation of the metabolic cost of work and a comparison with heat stress indices] Fabri G, et al. **Ann Ist Super Sanita** 1981;17(3):415–7 **(Ita)**

[The chronobiology of work] Vercellotti E. **Minerva Med** 1982 Jun 16;73(25):1787–95 (Eng. Abstr.) **(Ita)**

[Changes in urine vitamin C, creatinine and uropepsin levels as a result of workload at standard work stations in the shipyard] Wysocki K, et al. **Med Pr** 1980;31(6):425–33 (Eng. Abstr.) **(Pol)**

[Experiences of children and mothers, members of forced labor, in West Pomerania] Cieślawski M. **Przegl Lek** 1981; 38(1):121–4 **(Pol)**

[Health status of forced laborers in hitlerite Germany] Klodzinski S. **Przegl Lek** 1981;38(1):62–72 **(Pol)**

[Evaluation of workload, regularity of meals, sleep time and fatigue in female workers of the textile industry] Banaszkiewicz A, et al. **Rocz Panstw Zakl Hig** 1981; 32(1):1–7 (Eng. Abstr.) **(Pol)**

[Energy expenditure of the work performed in the school workshops of vocational schools] Banaszkiewicz A, et al. **Rocz Panstw Zakl Hig** 1981;32(5–6):479–84 (Eng. Abstr.) **(Pol)**

[Fundamental aspects of the work organization of health officers in industrial hygiene at rural district epidemiological health stations] Bredneva EF, et al. **Gig Sanit** 1982 Jun;(6):49–52 **(Rus)**

[Basis for an efficient work regimen in the chemical industry] Gritsevskii MA, et al. **Gig Sanit** 1982 May;(5):21–3 **(Rus)**

[Physiological and hygienic evaluation of the work of young and experienced construction machinery operators] Iastrebov GG, et al. **Gig Sanit** 1982;(1):17–20 **(Rus)**

[Sociological analysis of the interrelation of work and health] Izutkin AM. **Gig Sanit** 1981 Nov;(11):35–8 **(Rus)**

[Physiological and hygienic evaluation of the agricultural work of schoolchildren] Kalaĭkova PD, et al. **Gig Sanit** 1982 Mar;(3):61–3 **(Rus)**

[Seasonal employment and work regimens of women machinery operators] Lin'kov NV. **Gig Sanit** 1982 Feb; (2):21–4 (Eng. Abstr.) **(Rus)**

[Physiological evaluation of the body function of technical school students on days devoted to theoretical or vocational instruction] Marat BA, et al. **Gig Sanit** 1982 Apr; (4):34–7 (Eng. Abstr.) **(Rus)**

[Method of evaluating human central nervous system function during the work process] Ponomarenko II, et al. **Gig Sanit** 1982 Apr;(4):59–61 **(Rus)**

[Hygienic basis of a work–study regimen in secondary vocational and technical schools] Sukhareva LM, et al. **Gig Sanit** 1981 Nov;(11):24–7 (Eng. Abstr.) **(Rus)**

[Development of prepathological states (overstrain and overfatigue) as affected by work and environmental factors] Navakatikian AO. **Gig Tr Prof Zabol** 1981 Nov;(11):14–8 (23 ref.) (Eng. Abstr.) **(Rus)**

[Improved work standards for public health workers] Golovteev VV, et al. **Sov Zdravookhr** 1981;(9):25–9 (Eng. Abstr.) **(Rus)**

[Development of the hypothesis of systems quantitation of behavior with reference to human occupational activity] Ryzhikov GV. **Vestn Akad Med Nauk SSSR** 1982;(2):14–7 (Eng. Abstr.) **(Rus)**

[Work capacity of sailors with a changed work and rest regimen] Evstaf'ev VN, et al. **Voen Med Zh** 1981 Nov; (11):46–7 **(Rus)**

[Means of increasing the efficiency of intellectual work] Fedotov VV. **Voen Med Zh** 1981 Aug;(8):24–9 **(Rus)**

[Social hygiene aspects of military work] Koshelev NF. **Voen Med Zh** 1982 Mar;(3):39–41 **(Rus)**

WORK CAPACITY EVALUATION see under **DISABILITY EVALUATION**

WORK OF BREATHING

Work of breathing, intra-thoracic pressure and clinical findings in a group of babies with bronchiolitis. Stokes GM, et al. **Acta Paediatr Scand** 1981 Sep;70(5):689–94

Ventilation, respiratory center output, and contribution of the rib cage and abdominal components to ventilation during CO2 rebreathing in children with cystic fibrosis. Coates AL, et al. **Am Rev Respir Dis** 1981 Nov; 124(5):526–30

Ventilatory work during exercise at high altitude. Mognoni P, et al. **Int J Sports Med** 1982 Feb;3(1):33–6

Exercise performance after ventilatory work. Martin B, et al. **J Appl Physiol** 1982 Jun;52(6):1581–5

Measuring ventilatory muscle endurance in humans as sustainable inspiratory pressure. Nickerson BG, et al. **J Appl Physiol** 1982 Mar;52(3):768–72

Respiratory muscle function, assessment, and training. Shaffer TH, et al. **Phys Ther** 1981 Dec;61(12):1711–23

Ventilatory and neuromuscular responses to inspiratory positive pressure during CO2 breathing. Pearle JL, et al. **Respiration** 1982;43(4):277–84

Effect of maximal versus submaximal expiratory effort on spirometric values. Suratt PM, et al. **Respiration** 1981; 42(4):233–6

[Respiratory muscle fatigue and ergometric performance in patients with bronchopulmonary diseases (author's transl)] Busch A, et al. **Prax Klin Pneumol** 1981 Oct;35(10):451–8 (Eng. Abstr.) **(Ger)**

[Work of breathing during high altitude exercise] Maculotti L. **Minerva Med** 1981 Oct 6;72(38):2557–64 (Eng. Abstr.) **(Ita)**

[Effect of ultrasonic aerosols and supplementary artificial pulmonary ventilation on the respiratory mechanics and gas exchange postoperatively in surgical patients] Gologorskiĭ VA, et al. **Sov Med** 1981;(7):53–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of pulmonary stretch receptor activity on the respiratory response to ammonia-inhalation. Kohl J, et al. **Pflugers Arch** 1982 Jan;392(3):279–83

WORK SATISFACTION see **JOB SATISFACTION**

WORK SIMPLIFICATION

Computer simulation analysis of blood donor queueing problems. Pratt ML, et al. **Transfusion** 1982 May–Jun; 22(3):234–7

[Computer-assisted admission and work load statistics in a surgical intensive care ward (author's transl)] Osswald PM, et al. **Anasth Intensivther Notfallmed** 1982 Feb;17(1):43–5 (Eng. Abstr.) **(Ger)**

WORKMEN'S COMPENSATION

see related
DISABILITY EVALUATION

Guidelines on preparing a medical report for compensation purposes. McMillan EM, et al. **Br J Dermatol** 1982 Apr; 106(4):489–94

Conditioned responses to treatment in chronic pain patients: effects of compensation for work-related accidents. Brena SF, et al. **Bull Los Angeles Neurol Soc** 1979;44(1–4 Spec Ed):48–52

Working status after aortocoronary bypass surgery [letter] Cumming GR. **Can Med Assoc J** 1982 May 15;126(10):1153

Workers' compensation file as a potential source for community diagnosis. Perry BC. **J Fam Pract** 1982 Jan; 14(1):85–8

Compensable back injuries and their management. Lehmann TR. **J Iowa Med Soc** 1981 Dec;71(12):527–30

'Compo': where will it end? [letter] Hood CL. **Med J Aust** 1982 Apr 17;1(8):329–30

Accident compensation: a perspective of the accident compensation corporation. Fahy JL. **NZ Med J** 1982 Feb 24;95(702):119–20, 121

Workers' compensation [letter] Suechting RL. **Wis Med J** 1981 Nov;80(11):12–3

Human exposures to pesticides. A 1979–1980 report of the Wisconsin Division of Health. Weiss HB. **Wis Med J** 1981 Dec;80(12):12–5

[Nonutilization of the remaining work capacity] Fredenhagen H. **Z Unfallmed Berufskr** 1982;75(2):81–3 **(Ger)**

[Coxarthrosis from the viewpoint of the Berlin-Mitte and Berlin-Weissensee disability compensation program] Blumtritt J, et al. **ZFA (Dresden)** 1982;37(2):125–6 **(Ger)**

ECONOMICS

[More on the problems concerning workmen's compensation (letter)] Oláh A. **Orv Hetil** 1981 Aug 16;122(33):2057–8 **(Hun)**

LEGISLATION & JURISPRUDENCE

Theories of psychiatric defense in workmen's compensation cases. Parlour RR, et al. **Bull Am Acad Psychiatry Law** 1980;8(4):445–55

Important considerations for every Delaware physician concerning workmen's compensation claims. Spiller PH. **Del Med J** 1981 Dec;53(12):629–30

The flax industry in Northern Ireland twenty years on. Elwood PC, et al. **Lancet** 1982 May 15;1(8281):1112–4

Compensation for suicide following job-related injury. Gravely SD. **Med Leg Bull** 1981 Nov–Dec;30(6):1–9

Questions of consent. Goerth CR. **Occup Health Saf** 1982 Apr;51(4):39–40, 58

Shouldering the responsibility for occupational disease. Goerth CR. **Occup Health Saf** 1982 May;51(5):33–5

Untangling the asbestos mess. Schechter D. **Occup Health Saf** 1982 Feb;51(2):30–4

[Disability determination. Definition in: social insurance, compensation right, private insurance] Raestrup O. **Beitr Gerichtl Med** 1981;39:251–5 (Eng. Abstr.) **(Ger)**

[Functional damage: its compensation under the federal law on accident insurance] Zollinger H, et al. **Z Unfallmed Berufskr** 1981;74(3–4):145–7 **(Ger)**

[Workmen's compensation—follow-up screening—relief from work as a therapeutic measure [letter] Makai Z. **Orv Hetil** 1982 Jan 31;123(5):315–7 **(Hun)**

[Occupational diseases in the Workmen's Compensation and List of Occupational Diseases Act and new proposals for its revision] Beritić T, et al. **Arh Hig Rada Toksikol** 1981; 32(3):237–59 (Eng. Abstr.) **(Scr)**

[Legislative aspects of chemical carcinogenesis] Francia Viña JM, et al. **Rev Sanid Hig Publica (Madr)** 1979 Jul–Aug; 53(7–8):1033–42 (Eng. Abstr.) **(Spa)**

WORLD HEALTH

Impact of tuberculosis on human health in the world. Grzybowski S. **Am Rev Respir Dis** 1982 Mar;125(3 Pt 2):125–6

'Health for all' is nurses' goal for world's people. Patterson P. **AORN J** 1981 Sep;34(3):450–9

Dental care for the handicapped—an international concern. Franks AS. **Br Dent J** 1981 Oct 20;151(8):270

World Health Day, 1981. Health for all by the year 2000. **Bull Pan Am Health Organ** 1981;15(2):169–80

Health research in an interdependent world. Gunn SW. **Can J Public Health** 1981 Jul–Aug;72(4):245–8

World health, populations, sanitation and resources. Part 1. Humphries SV. **Cent Afr J Med** 1981 Jul;27(7):144–5

World health, population, sanitation and resources: part 2. Humphries SV. **Cent Afr J Med** 1981 Aug;27(8):164–5

The Kellersberger Memorial Lecture, 1981. The general situation of leprosy in the world. Sansarricq H. **Ethiop Med J** 1982 Apr;20(2):89–106

Potential demand for voluntary female sterilization in the 1980s: the compelling need for a nonsurgical method. Kessel E, et al. **Fertil Steril** 1982 Jun;37(6):725–33

Mapping of medico-geographical conditions of the world ocean. Keller AA. **Geogr Med** 1981;11:151–7

Geography and health. Kratochvíl O. **Geogr Med** 1981; 11:95–103

Pathology and international health: the future of the International Council of Societies of Pathology from a United States perspective. Weiss DL, et al. **Hum Pathol** 1982 Jan;13(1):1–2

Health for all by the year 2000. Mahler H. **Indian J Pediatr** 1981 Nov–Dec;48(395):669–76

An international registry for scabies and pediculosis: why is it necessary? Andrews JR. **Int J Dermatol** 1981 Apr; 20(3):175–6

Policies toward medical technology: an international review. Banta HD, et al. **Int J Health Serv** 1981;11(4):631–52

Female genital mutilation in the world today: a global review. Hosken FP. **Int J Health Serv** 1981;11(3):415–30

The crisis of the international capitalist order and its implications for the welfare state. Navarro V. **Int J Health Serv** 1982;12(2):169–90

Charter for the 80's: a programme of action for disabled persons. Rehabilitation International World Planning Group. **Int Nurs Rev** 1981 Nov–Dec;28(6):178–82

Global eradication of guinea worm [editorial] Bourne PG. **J R Soc Med** 1982 Jan;75(1):1–3

Report of the Third Meeting of the Scientific Working Group on Chemotherapy of Leprosy (THELEP) of the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases, Geneva, 20–22 October 1980. **Lepr Rev** 1981 Dec;52(4):349–54

Leprosy in the world today. Sansarricq H. **Lepr Rev** 1981 Dec;52 Suppl 1:15–31 (32 ref.)

Containing health care costs: world recession is changing the face of medicine. Thompson HL. **Med J Aust** 1981 Oct 31;2(9):447–8

The importance of being humane: important resolutions of the World Medical Association. Winton R. **Med J Aust** 1981 Nov 14;2(10):512–3

Promotion of breast feeding: recommendations of the Councils of the Society for Pediatric Research (SPR) and American Pediatric Society (APS), and of the American Academy of Pediatrics (AAP). **Pediatr Res** 1982 Apr;16(4 Pt 1):264–5

'Promoters of the health code believe fervently' [letter] Katz M. **Pediatrics** 1982 Feb;69(2):246–8

Nutrition in health and disease and international development. Symposia from the XII International Congress of Nutrition. San Diego, California, August 16–21, 1981. **Prog Clin Biol Res** 1981;77:1–1031

Agriculture: a key to adequate food and nutrition for the people of the world. Brown GE Jr. **Prog Clin Biol Res** 1981;77:17–28

Marginal malnutrition and its functional consequences in industrialized societies. Buzina R. **Prog Clin Biol Res** 1981; 77:285–303 (37 ref.)

The prevalence and possible causes of fat-soluble vitamin deficiencies in the world. McLaren DS. **Prog Clin Biol Res** 1981;77:99–107

The nutrition component of national policy and planning some issues and lessons. Sai FT. **Prog Clin Biol Res** 1981; 77:955–64

Nutrition in health and disease and international development. Plenary address: the challenge of world hunger. Soedjatmoko K. **Prog Clin Biol Res** 1981;77:1–16

Social and economic research in the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases. Rosenfield PL, et al. **Soc Sci Med [a]** 1981 Sep;15(5):529–38

World Health Day 1982: add life to years. **WHO Chron** 1982; 36(2):68–72

Thirty-fourth World Health Assembly adopts global strategy for health for all. **WHO Chron** 1981;35(4):118–42

Health care that goes out to meet people. Technical discussions at the Thirty-fourth World Health Assembly. **WHO Chron** 1981;35(5):168–71

Social contract for health. Mahler H. **WHO Chron** 1981; 35(4):107–11

Trends in perinatal mortality. Foster FH. **World Health Stat Q** 1981;34(3):138–46 **(Eng, Fre)**

[Food—nutrition, health in the world. Introduction] Gentilini M. **Acquis Med Recent** 1981;198:31–3 **(Fre)**

[Trial of world typology of models of dietary consumption] Malassis L, et al. **Acquis Med Recent** 1981;198:57–68 **(Fre)**

[International sanitary control (author's transl)] Pène P, et al. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):636–9 **(Fre)**

[International health regulation and world epidemiological situation (author's transl)] Sankalé M, et al. **Bull Soc Pathol Exot Filiales** 1981 Nov–Dec;74(6):640–8 (Eng. Abstr.) **(Fre)**

[Medical statistics on the current world situation with regard to pulmonary tuberculosis. Critical analysis of officially published figures and realistic assessment of the world-wide incidence of microscopically positive pulmonary tuberculosis] Styblo K, et al. **Fortschr Med** 1982 Mar 25;100(12):504–9 **(Ger)**

[International relations in life-insurance medicine] Tanner E. **Lebensversicherungsmedizin** 1982 Jan;34(1):1–3 **(Ger)**

[Notes on the current differentiation of the health status of the world population] Niehoff JU. **Z Arzti Fortbild (Jena)** 1981 Jul 1;75(13):597–604 **(Ger)**

[Infectious diseases in Poland in 1979 compared with world situation. Infectious diseases in the world during the years 1978–1979] Kostrzewski J. **Przegl Epidemiol** 1981; 35(1):35–44 **(Pol)**

[WHO vaccination programs. Vaccination in the control of smallpox] Kostrzewski J. **Przegl Epidemiol** 1981;35(3):373–6 **(Pol)**

[Distribution of alveolar hydatid disease among the world's population] Bregadze IL. **Khirurgiia (Mosk)** 1981 Dec; (12):81–3 (0 ref.) **(Rus)**

[Pathology of the respiratory organs as a problem of international public health] Poletaev SFD, et al. **Sov Med** 1981;(12):62–5 **(Rus)**

[Mortality patterns and trends in circulatory diseases throughout the world] Ovcharov VK, et al. **Sov Zdravookhr** 1982;(5):33–9 **(Rus)**

[Health for all—objective decree for the times] Orlov DA, et al. **Vestn Akad Med Nauk SSSR** 1981;(4):36–41 **(Rus)**

[1981 World Health Day] Milosavljević N. **Med Pregl** 1981; 34(7–8):291–6 (Eng. Abstr.) **(Scc)**

WORLD HEALTH ORGANIZATION

Standards for nutritional adequacy of the diet: European and WHO/FAO viewpoints. Wretlind A. **Am J Clin Nutr** 1982 Aug;36(2):366–75

Comments on the World Health Organization's 'International Code' of marketing breastmilk substitutes. Graham GG. **Am J Dis Child** 1981 Oct;135(10):892–4

The WHO leprosy programme. Sansarricq H. **Ann Microbiol (Paris)** 1982 Jul–Aug;133(1):5–12

Goals for oral health in the year 2000. **Br Dent J** 1982 Jan 5;152(1):21–2

A farewell to alcoholism? A commentary on the WHO 1980 Expert Committee Report. Room R. **Br J Addict** 1981; 76(2):115–23

Rickettsioses: a continuing disease problem. WHO Working Group on Rickettsial Diseases. **Bull WHO** 1982; 60(2):157–64

WHO special programme of research, development and research training in human reproduction. Task force on long-acting agents for the regulation of fertility. **Contraception** 1982 Jan;25(1):1–11

The cardiovascular disease programme of WHO/EURO. A critical review of its first 12 years. Lamm G. **Eur Heart J** 1981 Aug;2(4):269–80 (34 ref.)

Strange companionship [letter] Gross F. **Hypertension** 1982 Sep–Oct;4(5):751–2

Global goals for oral health in the year 2000. Fédération Dentaire Internationale. **Int Dent J** 1982 Mar;32(1):74–7

Report of the Third Meeting of the Scientific Working Group on Chemotherapy of Leprosy (THELEP) of the UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases, Geneva, 20–22 October 1980. **Lepr Rev** 1981 Dec;52(4):349–54

WHO-coordinated collaborative studies in the effects of psychopharmacological drugs in different populations. Sartorius N. **Mod Probl Pharmacopsychiatry** 1981;16:83–93

The World Health Organization. Histological typing of lung tumours. **Neoplasma** 1982;29(1):111–23

The World Health Organization code of marketing of breastmilk substitutes— Board of Directors of the Ambulatory Pediatric Association. **Pediatrics** 1981 Sep; 68(3):432–4

Committee on Nutrition and the WHO code of marketing breast milk substitutes [editorial] Lucey JF. **Pediatrics** 1981 Sep;68(3):430–1

Comments on WHO Code of Marketing Breastmilk Substitutes [letter] Ruedisuell GS. **Pediatrics** 1982 Feb; 69(2):245–6

The role of WHO in the control of nutritional anaemia. DeMaeyer EM. **Prog Clin Biol Res** 1981;77:363–70

The international political scene and the medical profession [editorial] de Klerk JN. **S Afr Med J** 1981 Oct 3; 60(14):527–8

Thirty-fourth World Health Assembly adopts global strategy for health for all. **WHO Chron** 1981;35(4):118–42

Mortality in Asia. **WHO Chron** 1981;35(5):163–7

Progress in immunization programmes in the Eastern Mediterranean region. **WHO Chron** 1981;35(5):179–81

World drug problems and WHO's strategies. **WHO Chron** 1981;35(6):216–22

WHO fights dengue haemorrhagic fever. Halstead SB. **WHO Chron** 1982;36(2):65–7

New knowledge is accumulating fast. An interview with Dr. Adetokunbo O. Lucas, Director, UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases. Lucas AO. **WHO Chron** 1982; 36(1):26–36

Technical cooperation for health manpower planning. Ray D. **WHO Chron** 1981;35(5):176–8

The selection and protection of international nonproprietary names for pharmaceutical substances. Wehrli A. **WHO Chron** 1981;35(5):172–5

International development of health manpower policy. Fülöp T, et al. **WHO Offset Publ** 1982;61:1–168

[World Health Organization and its share in the eradication of variola (author's transl)] Ježek Z, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Oct;29(5):260–8 (Eng. Abstr.) **(Cze)**

[The World Health Organization in 1981] Rosdahl N, et al. **Ugeskr Laeger** 1981 Oct 5;143(41):2678–81 **(Dan)**

[Cardiovascular risk factors in headquarters staff of the World Health Organization] Bréguet D, et al. **Schweiz Med Wochenschr** 1981 Jan 10;111(2):53–60 (Eng. Abstr.) **(Fre)**

[Posture of the Fédération Dentaire Internationale and of WHO in favor of collective fluoridation measures against dental caries] Baume LJ. **SSO Schweiz Monatsschr Zahnheilkd** 1982 Apr;92(4):263–8 (Eng. Abstr.) **(Fre)**

[Review of WHO activities in the prevention and rehabilitation of handicaps] Renker K. **Z Gesamte Hyg** 1982 May;28(5):336–42 **(Ger)**

[Mass vaccination programs (administrative provisions and possibilities)] Velimirovic B. **Ric Clin Lab** 1981;11 Suppl 2:73–80 **(Ita)**

[Pathology and cytology of the tumors of the prostate, with special reference to WHO classification (author's transl)] Namiki T. **Rinsho Byori** 1981;29(10):1021–7 **(Jpn)**

[1981 World Health Day] Milosavljević N. **Med Pregl** 1981; 34(7–8):291–6 (Eng. Abstr.) **(Scc)**

[Commercialization of substitutes for mothers' milk] **Bol Of Sanit Panam** 1981 Nov;91(5):441–8 **(Spa)**

ORGANIZATION & ADMINISTRATION

Sixty-ninth session of the WHO Executive Board; highlights of the executive board. **WHO Chron** 1982;36(2):55–64

Health care that goes out to meet people. Technical discussions at the Thirty-fourth World Health Assembly. **WHO Chron** 1981;35(5):168–71

The future of WHO's health manpower development programme. Fülöp T. **WHO Chron** 1982;36(1):3–6

Partnership for health for all. Address to the WHO Regional Committee for South-East Asia. Mahler H. **WHO Chron** 1981;35(6):203–7

The Eastern Mediterranean Region: highlights of the Regional Director's report for 1979–81. Taba AH. **WHO Chron** 1982;36(1):19–25

WOUND HEALING

see related
CICATRIX
GRANULATION TISSUE

Healing of incisional wounds in stomach and duodenum. The influence of aging. Gottrup F. **Acta Chir Scand** 1981;

147(5):363–9
The relative importance of Vicryl and Prolene sutures to the strength of healing abdominal wounds. Nilsson T. **Acta Chir Scand** 1981;147(7):503–7
Skin closure in abdominal incisions. Continuous nylon suture versus Steristrip Tapesuture : a controlled trial. Pedersen VM, et al. **Acta Chir Scand** 1981;147(8):619–22
Healing of liver wounds inflicted with CO2 laser. Light and electron microscopic investigations. Wegiel J, et al. **Acta Med Pol** 1981;22(2):105–18
The importance of controlled passive mobilization on flexor tendon healing. A biomechanical study. Woo SL, et al. **Acta Orthop Scand** 1981 Dec;52(6):615–22
Wound healing. Riley WB Jr. **Am Fam Physician** 1981 Nov; 24(5):107–13
Fibronectin and wound healing. Grinnell F. **Am J Dermatopathol** 1982 Apr;4(2):185–8
Noninvasive evaluation of peripheral vascular disease using transcutaneous oxygen tension. White RA, et al. **Am J Surg** 1982 Jul;144(1):68–75
Esophageal healing in the pony: comparison of sutured vs nonsutured esophagotomy. Stick JA, et al. **Am J Vet Res** 1981 Sep;42(9):1506–13
Experimental study of hepatic, renal, and splenic wound healing following laser, diathermy, and scalpel incisions. Orda R, et al. **Am Surg** 1981 Oct;47(10):447–51
High-performance liquid chromatographic procedure for measuring ATP and ADP levels in tissue microbiopsy: application to rat wound healing proliferative tissue. Pruneau D, et al. **Anal Biochem** 1982 Jan 15;119(2):274–80
Promoting healing of trauma wounds. Bremer C. **AORN J** 1982 May;35(6):1150–70
Promoting healing of bone tissue. Burn ED. **AORN J** 1982 May;35(6):1186–91
Promoting wound healing in the irradiated patient. Frogge MH. **AORN J** 1982 May;35(6):1088–93
Promoting wound healing in the obese patient. Groszek DM. **AORN J** 1982 May;35(6):1132–8
Wound healing in malnourished patients. Keithley JK. **AORN J** 1982 May;35(6):1094–9
Wound healing in the immunosuppressed host. Kottra CJ. **AORN J** 1982 May;35(6):1142–8
Promoting healing of skin flaps and grafts. Lyons RJ. **AORN J** 1982 May;35(6):1174–83
The nature of wound healing. Schumann D. **AORN J** 1982 May;35(6):1068–77
Promoting wound healing in the diabetic patient. Winters B. **AORN J** 1982 May;35(6):1083–7
The surgeon's role in wound healing. Yordan EL Jr, et al. **AORN J** 1982 May;35(6):1078–82
Wound healing of the integument in the 5-day chick embryo. Thévenet A. **Arch Anat Microsc Morphol Exp** 1981; 70(4):227–44
Merkel cell development in the wound healing in the labial mucosa of adult rabbits. Tachibana T, et al. **Arch Histol Jpn** 1981 May;44(2):151–65
Intracellular desmosome-like structures in differentiating wound epithelium of the healing tooth socket in the rat. McMillan MD. **Arch Oral Biol** 1981;26(3):259–61
Quantitative investigations on newly-built bone and defects. Its time-dependent changes of morphological and biomechanical properties. Claes L, et al. **Arch Orthop Trauma Surg** 1981;98(4):257–61
The repair process in experimentally induced avascular necrosis of the femoral head in dogs. Takaoka K, et al. **Arch Orthop Trauma Surg** 1981;99(2):109–15
External dacryocystorhinostomy. A prospective study comparing the size of the operative and healed ostium. Bumsted RM, et al. **Arch Otolaryngol** 1982 Jul; 108(7):407–10
Primary and secondary healing in infected wounds. An experimental study. Johnson BW, et al. **Arch Surg** 1982 Sep;117(9):1189–93
Narrow superficial injury to rabbit aortic endothelium. The healing process as observed by scanning electron microscopy. Ramsay MM, et al. **Atherosclerosis** 1982 Jun; 43(2–3):233–43
Wound contraction. The effects of scab formation and the nature of the wound bed. Snowden JM, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):73–82
Respiration during wound regeneration and healing in the planarian worm Dendrocoelum lacteum. Vladimirova IG. **Biol Bull Acad Sci USSR** 1980 Sep–Oct;7(5):425–9
Repair during fractionated irradiation of the mouse bladder. Stewart FA, et al. **Br J Radiol** 1981 Sep;54(645):799–804
Mechanical and humoral factors in wound healing. Li AK, et al. **Br J Surg** 1981 Oct;68(10):738–43
The effect of surgical drainage materials on colonic healing. Smith SR, et al. **Br J Surg** 1982 Mar;69(3):153–5
The effects of subclinical malnutrition and refeeding on the healing of experimental colonic anastomoses. Ward MW, et al. **Br J Surg** 1982 Jun;69(6):308–10
Permeability of thermally damaged skin v: permeability over the course of maturation of a deep partial-thickness wound. Flynn GL, et al. **Burns Incl Therm Inj** 1982 Jan; 8(3):196–202
Burn appearance and spontaneous healing: a prospective study. Galbraith S, et al. **Burns Incl Therm Inj** 1982 May; 8(5):317–20
Delayed fracture healing following jejunoileal bypass surgery for obesity. Hey H, et al. **Calcif Tissue Int** 1982 Jan; 34(1):13–5
Clinical criteria and ankle pressure measurements in predicting healing of below-knee amputations. Johnston KW, et al. **Can J Surg** 1982 Mar;25(2):201–4
A comparative study on wound-healing in neonatal and adult mouse epidermis in vivo. Bertsch S, et al. **Cell Tissue Kinet** 1982 Jan;15(1):81–7
The effect of stretching on formation of myofibroblasts in mouse skin. Squier CA. **Cell Tissue Res** 1981;220(2):325–35
Surface ultrastructural investigation of experimental fracture healing with scanning electron microscope. Liang LA, et al. **Chin Med J [Engl]** 1982 Jan;95(1):40–4
Intra-uterine healing of fetal rat cheek wounds. Robinson BW, et al. **Cleft Palate J** 1981 Oct;18(4):251–5
The effect of delayed internal fixation on healing of the osteotomized dog radius. Coutts RD, et al. **Clin Orthop** 1982 Mar;(163):254–60
Fracture healing in the rat tibia: open medullary pin versus closed medullary pin insertion. Kernek CB, et al. **Clin Orthop** 1981 Oct;(160):290–4
The effects of varying current levels of electrical stimulation. Paterson DC, et al. **Clin Orthop** 1982 Sep;(169):303–12
Articular cartilage repair in the avian quail–chick chimera model. Simmons DJ, et al. **Clin Orthop** 1981 Nov–Dec; (161):315–25
The pathogenesis of amputation stump overgrowth. Speer DP. **Clin Orthop** 1981 Sep;(159):294–307
Healing patterns of metaphyseal fractures. Uhthoff HK, et al. **Clin Orthop** 1981 Oct;(160):295–303
The classic. Slow union of fractures with a study of 804 fractures of the shafts of the tibia and femur, by R. Watson-Jones and W. D. Coltart. Watson-Jones R, et al. **Clin Orthop** 1982 Aug;(168):2–16
Physical activity and its influence on the repair process of medial collateral ligaments. Vailas AC, et al. **Connect Tissue Res** 1981;9(1):25–31
Quantitative studies of corneal epithelial wound healing in rabbits. Cintron C, et al. **Curr Eye Res** 1981–82;1(9):507–16
Fibronectin appears at the site of corneal stromal wound in rabbits. Suda T, et al. **Curr Eye Res** 1981–82;1(9):553–6
Wound healing in normal and diabetic Chinese hamsters. Weringer EJ, et al. **Diabetologia** 1981 Oct;21(4):394–401
Healing of the perineal wound after proctectomy for nonmalignant conditions. Lubbers EJ. **Dis Colon Rectum** 1982 May–Jun;25(4):351–7
Wounds and wound healing (clinical conference] Schrock T, et al. **Dis Colon Rectum** 1982 Jan–Feb;25(1):1–15
Collagen formation during the healing of colonic anastomoses. Stromberg BV, et al. **Dis Colon Rectum** 1982 May–Jun;25(4):301–4
Basic physiology of wound healing in the horse. Silver IA. **Equine Vet J** 1982 Jan;14(1):7–15
Evaluation of ossification in jaw defects by radio-nuclide imaging. Senekowitsch R, et al. **Eur J Nucl Med** 1982; 7(4):155–7
Comments on effect of thrombocytopenia on wound healing: a study in the rat [letter] Moore S. **Exp Mol Pathol** 1982 Feb;36(1):129–31
Predictors of duodenal ulcer healing and relapse. Sonnenberg A, et al. **Gastroenterology** 1981 Dec;81(6):1061–7
Boosting healing power in humans. Kent S. **Geriatrics** 1981 Oct;36(10):129–32
The effect of ultrasound on flexor tendon repairs in the rabbit. Roberts M, et al. **Hand** 1982 Feb;14(1):17–20
The John Charnley Award Paper. Histomorphology of the bone-to-cement interface: remodeling of the cortex and revascularization of the medullary canal in animal experiments. Draenert K. **Hip** 1981;:71–110
Development of textile fabrics for surgical application. Bhuvaneshwar GS, et al. **Indian J Med Res** 1981 Oct; 74:580–5
The time course of 99Tcm-Sn-polyphosphate scintimetry of normally healing tibial fractures in man. Greiff J. **Injury** 1981 Jul;13(1):69–75
The 99Tcm-Sn-polyphosphate scintimetric time course of human tibial fractures with delayed union or pseudarthrosis. Greiff J. **Injury** 1982 Jan;13(4):279–86
Present state of knowledge on processes of healing in collagen structures. van der Meulen JC. **Int J Sports Med** 1982 Feb;3 Suppl 1:4–8
Wound healing. Shoshan S. **Int Rev Connect Tissue Res** 1981; 9:1–26 (268 ref.)
Limbal epithelium in ocular surface wound healing. Kinoshita S, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):73–80
Desquamation of corneal endothelial cells. Silverstein AM, et al. **Invest Ophthalmol Vis Sci** 1982 Mar;22(3):351–8
Healing properties of the renal papilla. Animal model II. Webb RT, et al. **Invest Urol** 1981 Sep;19(2):126–9
A prospective study of primary healing in lower limb amputations. Morgan RF, et al. **Ir Med J** 1981 Oct; 74(10):300–1
Review of cancellous and cortical bone healing after fracture or osteotomy. Elkouri ER. **J Am Podiatry Assoc** 1982 Sep; 72(9):464–6
Diabetes mellitus: impaired wound healing from zinc deficiency. Engel ED, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):536–44
The biomechanical behavior of healing canine radii and ribs. Davy DT, et al. **J Biomech** 1982;15(4):235–47
The response of articular cartilage to mechanical injury. Mankin HJ. **J Bone Joint Surg [Am]** 1982 Mar;64(3):460–6 (73 ref.)
Malunited fractures of the forearm in children. Fuller DJ, et al. **J Bone Joint Surg [Br]** 1982;64(3):364–7
The use of silicone oil for mobilisation of the hand. Helal B, et al. **J Bone Joint Surg [Br]** 1982;64(1):67–9
Healing following surgical/non-surgical treatment of periodontal disease. A clinical study. Lindhe J, et al. **J Clin Periodontol** 1982 Mar;9(2):115–28
Healing following surgical treatment and root demineralization in monkeys with periodontal disease. Nyman S, et al. **J Clin Periodontol** 1981 Jun;8(3):249–58
Healing after treatment of periodontal intraosseous defects. II. Effect of citric acid conditioning of the root surface. Renvert S, et al. **J Clin Periodontol** 1981 Dec;8(6):459–73
Healing after treatment of periodontal intraosseous defects. I. Comparative study of clinical methods. Renvert S, et al. **J Clin Periodontol** 1981 Oct;8(5):387–99
Generation of new cerebral ganglion neurons in the snail Melampus: an ultrastructural study. Moffett S, et al. **J Comp Neurol** 1982 May 10;207(2):177–82
Bioelectric activity in the rabbit ear regeneration. Chang KS, et al. **J Exp Zool** 1982 Jun 10;221(2):193–203
Wound healing in the imaginal discs of Drosophila. II. Transmission electron microscopy of normal and healing wing discs. Reinhardt CA, et al. **J Exp Zool** 1981 Apr; 216(1):45–61
The effect of power instrumentation on bone healing. Giffin DJ. **J Foot Surg** 1981 Summer;20(2):81–3
Effects of early intermittent passive mobilization on healing canine flexor tendons. Gelberman RH, et al. **J Hand Surg** 1982 Mar;7(2):170–5
The synovial cavity as a 'tissue culture in situ'—science or nonsense? Potenza AD, et al. **J Hand Surg** 1982 Mar; 7(2):196–9
Fibronectin involvement in granulation tissue and wound healing in rabbits. Repesh LA, et al. **J Histochem Cytochem** 1982 Apr;30(4):351–8
The regeneration of the sympathetic catecholaminergic nerve fibers in the process of burn wound healing in guinea pigs. Kishimoto S, et al. **J Invest Dermatol** 1982 Sep;79(3):141–6
Detection of basement membrane zone antigens during epidermal wound healing in pigs. Stanley JR, et al. **J Invest Dermatol** 1981 Aug;77(2):240–3
The biometry of mandibular osteotomy repair. Reitzik M. **J Oral Maxillofac Surg** 1982 Apr;40(4):214–8
Ultrastructure of initial calcification in wound healing following pulpotomy. Hayashi Y. **J Oral Pathol** 1982 Apr; 11(2):174–80
A comparative study of scalpel and electrosurgical incision on subsequent wound healing. Allan SN, et al. **J Pediatr Surg** 1982 Feb;17(1):52–4
The lag phase factor in bone healing and suggested application to marrow grafting. Amler MH. **J Periodont Res** 1981 Nov;16(6):617–27
The effect of notching into dentin on new cementum formation during periodontal wound healing. Garrett S, et al. **J Periodont Res** 1981 May;16(3):358–61
The relationship between soft tissue attachment, epithelial downgrowth and surface porosity. Squier CA, et al. **J Periodont Res** 1981 Jul;16(4):434–40
The osteogenic activity of bone removed from healing extraction sockets in humans. Evian CI, et al. **J Periodontol** 1982 Feb;53(2):81–5
Initial healing of periodontal pockets after a single episode of root planing monitored by controlled probing forces. Proye M, et al. **J Periodontol** 1982 May;53(5):296–301
Regeneration and repair after biologic treatment of root surfaces in monkeys. II. Proximal surfaces posterior teeth. Wirthlin MR, et al. **J Periodontol** 1982 May;53(5):302–6
Healing-over in rat crystalline lens. Bernardini G, et al. **J Physiol (Lond)** 1981 Nov;320:187–92
Healing of electrosurgical incisions in gingiva: early histologic observations in adult men. Kalkwarf KL, et al. **J Prosthet Dent** 1981 Dec;46(6):662–72
Proteoglycan aggregation in injured articular cartilage. A comparison of healing lacerated cartilage with osteoarthritic cartilage. Palmoski MJ, et al. **J Rheumatol** 1982 Mar–Apr;9(2):189–97
Patterns of epidermal cell polarity in healing open wounds. Alexander SA. **J Surg Res** 1981 Dec;31(6):456–62
Thymic inhibition of wound healing: abrogation by adult thymectomy. Barbul A, et al. **J Surg Res** 1982 Apr; 32(4):338–42
Skin healing and fibrin stabilizing factor blood levels in the rabbit fetus. Chignier E, et al. **J Surg Res** 1981 Nov; 31(5):415–32
Delayed primary closure: collagen synthesis and content in healing rat skin incisions. Danielsen CC, et al. **J Surg Res** 1981 Sep;31(3):210–7
The early metabolism of noncollagenous glycoproteins during wound healing. Dolynchuk KN, et al. **J Surg Res** 1981 Sep;31(3):218–24
Skin fluorescence, a method to predict amputation site healing. McFarland DC, et al. **J Surg Res** 1982 Apr; 32(4):410–5
The effect of epidermal growth factor on wound healing in mice. Niall M, et al. **J Surg Res** 1982 Aug;33(2):164–9
The biologic response to standard suture materials in the skin of fetal rabbits. Santoro S, et al. **J Surg Res** 1982 Sep; 33(3):258–64
Assessing ureteral wound healing by pressure flow technique. Smith MW, et al. **J Urol** 1982 Apr;127(4):791–4
Effects of chronic renal failure on wound healing in rats. II. Microscopic study and hydroxyproline assay. Shindo

K, et al. **Jpn J Surg** 1982;12(1):46–51

Effects of chronic renal failure on wound healing in rats. I. Biomechanical study. Shindo K, et al. **Jpn J Surg** 1982; 12(1):41–5

Sternal dehiscence: 'delayed primary closure' for complicated cases. Taira A, et al. **Jpn J Surg** 1981 Mar;11(2):124–6

In vitro correlates of endothelial injury and repair. Fillit HM, et al. **Lab Invest** 1982 Jan;46(1):1–9

Morphometric analysis of gap junctions in regenerating arterial endothelium. Spagnoli LG, et al. **Lab Invest** 1982 Feb;46(2):139–48

The stimulatory effect of laser on the physiological healing process of portio surface. Kovács L. **Lasers Surg Med** 1981; 1(3):241–52

The influence of multidirectional vibrations on wound healing and on regeneration of blood- and lymph vessels. Leduc A, et al. **Lymphology** 1981 Dec;14(4):179–85

Primary closure and continuous irrigation of the perineal wound after proctectomy. Waits JO, et al. **Mayo Clin Proc** 1982 Mar;57(3):185–8

Hyaluronidase, from wound healing to cancer (II). Bok SW. **Med Hypotheses** 1982 May;8(5):455–9

Hyaluronidase, from wound healing to cancer. Bok SW. **Med Hypotheses** 1981 Sep;7(9):1147–56

Wounds treated by the healing of delayed primary closure: a clinical study. Shepard GH. **Milit Med** 1981 Jul; 146(7):473–5

Microvascular free-tissue transfer [letter] Brown PW. **N Engl J Med** 1982 Jul 15;307(3):185

Dynamics of endothelial repair in end-to-side microsurgical carotid anastomoses in rats: a scanning electron microscopic evaluation. Albanese V, et al. **Neurol Res** 1981; 3(3):267–87

Studies on corneal endothelial growth and repair. III. Effects of DNA and RNA synthesis inhibitors upon restoration of transparency following injury. Gordon SR, et al. **Ophthalmic Res** 1982;14(3):195–209

Wound healing. Berlinger NT. **Otolaryngol Clin North Am** 1982 Feb;15(1):29–34

Age and other factors regulating wound healing. Chvapil M, et al. **Otolaryngol Clin North Am** 1982 May;15(2):259–70

Skin flap tension and wound slough: correlation with laser Doppler velocimetry. Larrabee WF Jr, et al. **Otolaryngol Head Neck Surg** 1982 Mar–Apr;90(2):185–7

Restraint stress inhibited healing in rats. Derr RF. **Physiol Behav** 1981 Nov;27(5):941–2

Granulation tissue formation in ageing rats. Kanta J, et al. **Physiol Bohemoslov** 1981;30(5):417–8

Healing and tensile strength of CO2 laser incisions and scalpel wounds in rabbits. Finsterbush A, et al. **Plast Reconstr Surg** 1982 Sep;70(3):360–2

The spatial and temporal quantification of myofibroblasts. McGrath MH, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):975–85

The trifurcation headache [letter] Pacik PT. **Plast Reconstr Surg** 1981 Dec;68(6):975

The effect of ultrasonics and thermal treatment on wounds. Shamberger RC, et al. **Plast Reconstr Surg** 1981 Dec; 68(6):860–70

The photography of fluorescein. Welch JD. **Plast Reconstr Surg** 1982 Jun;69(6):990–4

Amnion on wounds: a perspective. Matthews RN, et al. **Prog Clin Biol Res** 1981;70:269–80

Role of essential fatty acids in cutaneous wound healing in rats. Caffrey BB, et al. **Prog Lipid Res** 1981;20:641–7

The management of healing problems in the dysvascular amputee. Horne G, et al. **Prosthet Orthot Int** 1982 Apr; 6(1):38–40

Wound healing complications following major amputations of the lower limb. Jensen JS, et al. **Prosthet Orthot Int** 1982 Aug;6(2):105–7

Endonasal findings using a fiberoptic telescope in postoperative cases of chronic sinusitis. Uchida Y, et al. **Rhinology** 1981 Sep;19(3):161–5

Primary tendon healing. An experimental study. de Klerk AJ, et al. **S Afr Med J** 1982 Aug 21;62(9):276–81

A comparison of a disposable skin stapler and nylon sutures for wound closure. Meiring L, et al. **S Afr Med J** 1982 Sep 4;62(11):371–2

Graduate School of Biomedical Sciences, University of Texas Medical Branch Galveston. Baur PS Jr, et al. **Scan Electron Microsc** 1981;(Pt 3):363–70

Periodontal healing of exarticulated monkey teeth stored in milk or saliva. Blomlöf L, et al. **Scand J Dent Res** 1981 Jun;89(3):251–9

Delayed primary closure. Blood-flow in healing rat skin incisions. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1981;15(2):81–5

Determination of wound strength for quantitation of skin damage after pressure ischemia. An experimental study in rabbits. Lauritzen C, et al. **Scand J Plast Reconstr Surg** 1981;15(2):93–5

The normal healing process of microvascular anastomoses. Lidman D, et al. **Scand J Plast Reconstr Surg** 1981; 15(2):103–10

Wound tissue can utilize a polymeric template to synthesize a functional extension of skin. Yannas IV, et al. **Science** 1982 Jan 8;215(4529):174–6

Defective wound healing in patients with paraplegia and quadriplegia. Basson MD, et al. **Surg Gynecol Obstet** 1982 Jul;155(1):9–12

Rotated intestinal anastomoses. LaCalle JP, et al. **Surg Gynecol Obstet** 1982 May;154(5):662–6

Plasma proteins and wound healing. Powanda MC, et al. **Surg Gynecol Obstet** 1981 Nov;153(5):749–55 (105 ref.)

Predictive value of distal perfusion pressure in the healing of amputation of the digits and the forefoot. Schwartz JA, et al. **Surg Gynecol Obstet** 1982 Jun;154(6):865–9

The effect of local blood flow on the healing of experimental intestinal anastomoses. Shikata J, et al. **Surg Gynecol Obstet** 1982 May;154(5):657–61

Experience with continuous absorbable suture in the closure of abdominal incisions. Wasiljew BK, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):378–80

The antithrombotic nature of vascular prosthetic pseudointima. Clagett GP, et al. **Surgery** 1982 Jan; 91(1):87–94

The effect of excessive occlusal trauma upon periodontal healing after replantation of mature permanent incisors in monkeys. Andreasen J. **Swed Dent J** 1981;5(3):115–22

A synthetic skin (IP–758) for closure of wounds covering 50% of a rat's body surface area. Lin SD, et al. **Trans Am Soc Artif Intern Organs** 1981;27:522–7

Repair of gastric ulcer. A cell kinetic study. Helpap B, et al. **Virchows Arch [Pathol Anat]** 1981;392(2):159–70

Immunomorphological and ultrastructural aspects of keratinocyte migration in epidermal wound healing. Ortonne JP, et al. **Virchows Arch [Pathol Anat]** 1981; 392(2):217–30

Spontaneous healing of an open, comminuted metatarsal fracture in a white-tailed deer. Withrow SJ. **VM SAC** 1982 Jan;77(1):50

Studies in the healing of intestinal anastomoses. Ravitch MM, et al. **World J Surg** 1981 Jul;5(4):627–37

[Augmentation of bone repair by electrical stimulation: experiment and clinical observation (author's transl)] Ni RX. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):103–5 (Eng. Abstr.) (Chi)

[The influence of early weight-bearing on the healing of tibial shaft fractures (author's transl)] Komprda J. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):148–54 (Eng. Abstr.) (Cze)

[Influence of age on the healing of fixed and unfixed fractures of long bones (author's transl)] Mann M, et al. **Acta Chir Orthop Traumatol Cech** 1982 Apr;49(2):127–32 (Eng. Abstr.) (Cze)

[Differences in corneal reparation after partial and total alkali burns (author's transl)] Cejková J, et al. **Cesk Oftalmol** 1982 Mar;38(2):76–81 (Eng. Abstr.) (Cze)

[Wound healing in iris — present views (author's transl)] Pitrová S. **Cesk Oftalmol** 1981;37(6):460–2 (Eng. Abstr.) (Cze)

[The effect of age on experimental fracture healing] Mann M, et al. **Rozhl Chir** 1981 Dec;60(12):842–8 (Eng. Abstr.) (Cze)

[Is wound healing modified by the use of diathermy incision (author's transl)] Arnaud JP, et al. **Acta Chir Belg** 1981 Jul–Aug;80(4):171–5 (Eng. Abstr.) (Fre)

[The radiodiagnosis of the cicatrization of apical lesions] Garcías D, et al. **Actual Odontostomatol (Paris)** 1981; 136:577–93 (Eng. Abstr.) (Fre)

[Morphological study of gingival cicatrization in the guinea pig with avitaminosis C] M'Barek TB, et al. **Actual Odontostomatol (Paris)** 1981;(135):481–8 (Eng. Abstr.) (Fre)

[Does obstructive jaundice adversely affect wound healing? Experimental study in rats (author's transl)] Arnaud JP, et al. **J Chir (Paris)** 1981 Sep;118(8–9):513–6 (Eng. Abstr.) (Fre)

[The fixateur-externe-osteosynthesis without osseous support (external distance-osteosynthesis) in the lower limbs. Biomechanic, surgical and osteoplastic basic principles (author's transl)] Müller KH, et al. **Arch Orthop Trauma Surg** 1981;99(2):117–30 (Eng. Abstr.) (Ger)

[Fractures and fracture healing in prehistoric and early historic times] Grimm H. **Beitr Orthop Traumatol** 1982 Feb; 29(2):61–70 (Eng. Abstr.) (Ger)

[Phemister bone graft surgery in delayed healing and pseudarthrosis after lower leg fractures] Seyffarth G, et al. **Beitr Orthop Traumatol** 1982 Mar;29(3):152–8 (Eng. Abstr.) (Ger)

[Wound healing of tracheal anastomoses] Valesky A, et al. **Chirurg** 1981 Oct;52(10):648–53 (Eng. Abstr.) (Ger)

[Healing process of vestibuloplasties after the use of surgical dressing plates. An experimental study] Freitag V, et al. **Dtsch Zahnarztl Z** 1982 Feb;37(2):143–5 (Eng. Abstr.) (Ger)

[Wound healing disorders and factor XIII deficiency after tumor operations in the floor of the mouth] Vogel C, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):39–41 (Eng. Abstr.) (Ger)

[Anastomoses control before colostomy closure: barium enema versus endoscopy] Schneider K, et al. **Helv Chir Acta** 1982 Feb;48(6):839–43 (Eng. Abstr.) (Ger)

[Importance of lipid metabolism in the overcoming of trauma] Georgieff M, et al. **Infusionsther Klin Ernahr** 1982 Feb; 9(1):28–34 (Eng. Abstr.) (Ger)

[Healing of infected wounds after diathermic and scalpel cuts into the abdominal wall in rabbits (author's transl)] Bustamante I, et al. **Langenbecks Arch Chir** 1982; 357(2):125–30 (Eng. Abstr.) (Ger)

[Wound healing of liver and kidney after repeated thermocoagulation (author's transl)] Helpap B. **Langenbecks Arch Chir** 1981;354(4):255–63 (Eng. Abstr.) (Ger)

[Bone healing and dynamic interferential current (DIC) (author's transl)] Laabs WA, et al. **Langenbecks Arch Chir** 1982;356(4):231–41 (Eng. Abstr.) (Ger)

[Second generation of absorbable suture material. Tissue reaction and indication (author's transl)] Thiede A, et al. **Langenbecks Arch Chir** 1981;355:479–84 (Eng. Abstr.) (Ger)

[A healed dens fracture in an unusual malposition] Brassow F, et al. **ROFO** 1981 Nov;135(5):615–6 (Ger)

[Study about the healing of anastomoses in the irradiated colon—experimentation on animals (author's transl)] Souchon R, et al. **Strahlentherapie** 1982 Mar;158(3):174–82 (Eng. Abstr.) (Ger)

[Results after interlocking-nailing (author's transl)] Vécsei V, et al. **Unfallheilkunde** 1981 Sep;84(9):387–9 (Eng. Abstr.) (Ger)

[Disorders in wound healing in inguinal hernia—comparison between outpatient and hospital surgery] Michelsen M, et al. **Z Arztl Fortbild (Jena)** 1982 Apr 1;76(7):298–9 (Ger)

[Healing of fractures and soft tissues depending on tissue pressure (animal experiment)] Helmke U, et al. **Z Exp Chir** 1981;14(4):210–7 (Ger)

[Hypoxia and wound healing (author's transl)] Józsa L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):72–9 (Hun)

[Scanning electron microscopic study of the healing of microscopic vascular sutures (author's transl)] Réffy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):33–6 (Hun)

[Terminoterminal arterial sutures in microsurgery: histological study] Fanfani F, et al. **Arch Putti Chir Organi Mov** 1980;30:155–61 (Ita)

[Total blood histamine in the postoperative period] Faverio F, et al. **Chir Ital** 1981 Dec;33(6):1226–32 (Ita)

[Importance of orthopedics in the problems of heredity of autoregulation and functional compensations] Paltrinieri M, et al. **Chir Organi Mov** 1981 May–Jun;66(3):309–23 (Eng. Abstr.) (Ita)

[Clinical results of laser stimulation [illegible] experimental studies on its mechanism of action] Meste. **Minerva Med** 1981 Sep 15;72(33):2195–9 (Ita)

[Wound repair of rabbit iris: an electron microscopic study (author's transl)] Umazume Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1375–84 (Eng. Abstr.) (Jpn)

[Experimental study for the gastric mucosal damage—especially, the effect of cigarette smoking on the healing course of acetic acid ulcer in rats (author's transl)] Chujoh C, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Dec 1;78(12):2285–94 (Eng. Abstr.) (Jpn)

[Comparative evaluation of wound healing after vulvectomy by laser coagulation and electrocoagulation] Goworek A, et al. **Ginekol Pol** 1981 Sep;52(9):763–8 (Eng. Abstr.) (Pol)

[Spontaneous recanalization of the ureter injured during gynecological surgery] Sapeta K, et al. **Ginekol Pol** 1981 Jun;52(6):553–6 (Eng. Abstr.) (Pol)

[Relationship between various technical parameters and healing time after cryotherapy of pathological changes in the vaginal portion of the cervix uteri] Zdebski Z, et al. **Ginekol Pol** 1981 Jun;52(6):539–41 (Eng. Abstr.) (Pol)

[Changes of aqueous during corneal wound healing in rabbits (author's transl)] Krochmalska-Kieracińska L. **Klin Oczna** 1981 Oct–Dec;83(10–12):545–8 (Eng. Abstr.) (Pol)

[The take of a protein graft at the site of a ureteral injury in dogs. Morphological and clinical evaluation] Gabryelewicz MB, et al. **Pol Tyg Lek** 1981 Oct–Dec; 36(42–52):1617–22 (Pol)

[Regenerative activity of the epidermal cells during the healing of 3d degree burns in rats] Kopec J. **Pol Tyg Lek** 1981 Aug 10;36(32):1213–4 (Eng. Abstr.) (Pol)

[Uremia and intestinal cicatrization: experimental study in rats] Vianna AL, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1981 Feb;36(1):27–30 (Eng. Abstr.) (Por)

[Stimulating effect of laser irradiation on regeneration of the vaginal part of the cervix uteri] Kovach L, et al. **Akush Ginekol (Mosk)** 1981 Sep;(9):50–1 (Rus)

[Source of reparative regeneration of skeletal muscle tissue] Klishov AA, et al. **Arkh Anat Gistol Embriol** 1981 Aug; 81(8):72–7 (Eng. Abstr.) (Rus)

[Reparative processes during embryonal and postembryonal myocardiogenesis in Gallus domesticus L] Novikov AI, et al. **Arkh Anat Gistol Embriol** 1982 Jan;82(1):59–67 (Eng. Abstr.) (Rus)

[Morphology of the reparative processes after the arrest of gastric hemorrhages using various lasers] Eliseenko VI, et al. **Arkh Patol** 1981;43(9):43–50 (Eng. Abstr.) (Rus)

[Autoradiographic and electron microscopic studies of the effect of Soviet dressing materials on experimental wound healing] Dudnikova GN, et al. **Biull Eksp Biol Med** 1982 Apr;93(4):116–8 (Eng. Abstr.) (Rus)

[Healing of hemorrhagic stomach ulcers after laser coagulation] Eliseenko VI, et al. **Biull Eksp Biol Med** 1982 Jan;93(1):106–8 (Rus)

[Semithin-section method in the morphological study of the

healing of gunshot wounds] Grigor'ev VV, et al. **Biull Eksp Biol Med** 1982 May;93(5):113–6 **(Rus)**

[Electron microscopic study of reparative osteogenesis following electric stimulation of bony tissue regeneration] Mikhailova LN, et al. **Biull Eksp Biol Med** 1981 Jun; 91(6):719–22 (Eng. Abstr.) **(Rus)**

[Utilization of mononuclear DNA by regeneration epidermis] Panchenko KI. **Biull Eksp Biol Med** 1981 Aug;92(8):103–5 (Eng. Abstr.) **(Rus)**

[Ultrastructural study of the early stages of skeletal muscle regeneration in sexually mature animals] Volodina AV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):757–9 (Eng. Abstr.) **(Rus)**

[99mTc-pyrophosphate scintigraphic indices during the bicycle ergometry test in myocardial infarct in the early phase of healing] Vinogradov AV, et al. **Kardiologiia** 1982 Feb;22(2):93–7 (Eng. Abstr.) **(Rus)**

[Local treatment during different phases of deep thermal burns] Margulis FB, et al. **Klin Khir** 1982 Mar;(3):38–9 **(Rus)**

[Healing of penetrating eye injuries] Kornilova AF, et al. **Oftalmol Zh** 1981;36(4):204–5 (Eng. Abstr.) **(Rus)**

[Results of electrostimulation of bone regeneration during the surgical treatment of tibial fractures] Tkachenko SS, et al. **Ortop Travmatol Protez** 1982 Mar;(3):4–9 **(Rus)**

[Role of CO_2 in the mechanism of reparative regeneration of bone tissue (radioisotope study)] Dmitriev IM, et al. **Patol Fiziol Eksp Ter** 1981 May–Jun;(3):28–32 (Eng. Abstr.) **(Rus)**

[Selective pneumoperitoneum during fibrothorax development following pneumonectomy] Ovanov VA, et al. **Probl Tuberk** 1982 May;(5):35–8 (Eng. Abstr.) **(Rus)**

[Histoautoradiographic control of the healing of chronic stomach ulcers] Kalinka RF. **Sov Med** 1981;(8):52–6 (Eng. Abstr.) **(Rus)**

[Inflammation and regeneration in the tissues of purulent wounds closed with primary sutures] Khanin AG, et al. **Sov Med** 1981;(11):105–8 **(Rus)**

[Electron-autoradiographic study of the intensity of biosynthetic processes in fibroblasts during experimental wound healing] Kolokol'chikova EG. **Vestn Akad Med Nauk SSSR** 1981;(5):75–8 (Eng. Abstr.) **(Rus)**

[Radon baths in the complex treatment of patients with autonomic dystrophy and delayed consolidation of tibial fractures] Frantsen IuK, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Nov–Dec; (6):54–5 **(Rus)**

[Healing of the laparotomy wound] Pažur M. **Acta Chir Iugosl** 1982;29(1):23–7 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Lack of influence on collagen accumulation in granulation tissue with 'delayed' defibrinogenation. A study in the rabbit. Brändstedt S, et al. **Acta Chir Scand** 1981; 147(2):89–91

The effect of methylprednisolone and vitamin A on wound healing. I. Salmela K, et al. **Acta Chir Scand** 1981; 147(5):307–12

The effect of methylprednisolone and vitamin A on wound healing. II. Salmela K. **Acta Chir Scand** 1981;147(5):313–5

Effects of insulin on wound healing in diabetic mice. Weringer EJ, et al. **Acta Endocrinol (Copenh)** 1982 Jan; 99(1):101–8

Evaluation of the effect of naproxen in the treatment of traumatic injuries. Double-blind study of 368 patients. Vandekerckhove H. **Acta Orthop Belg** 1982 Mar–Apr; 48(2):431–6

The effect of ophthalmic preservatives on the healing rate of the rabbit corneal epithelium after keratectomy. Collin HB, et al. **Am J Optom Physiol Opt** 1982 Mar;59(3):215–22

1 alpha, 25-Dihydroxyvitamin D3 a metabolite of vitamin D that promotes bone repair. Brumbaugh PF, et al. **Am J Pathol** 1982 Feb;106(2):171–9

Effect of sodium hyaluronate on corneal wound healing. Arzeno G, et al. **Arch Ophthalmol** 1982 Jan;100(1):152

Regenerative effects of epidermal growth factor after penetrating keratoplasty in primates. Fabricant R, et al. **Arch Ophthalmol** 1982 Jun;100(6):994–5

Effects of timoptic on corneal reepithelialization. O'Brien WJ, et al. **Arch Ophthalmol** 1982 Aug;100(8):1331–3

Control of wound healing and scar formation in surgical patients. Peacock EE Jr. **Arch Surg** 1981 Oct; 116(10):1325–9

Epidermal growth factor in the healing of second degree burns: a controlled animal study. Thornton JW, et al. **Burns Incl Therm Inj** 1982 Jan;8(3):156–60

Preliminary report on the effects of a four drug cytoxic protocol on wound healing in the rat. Hughes KB. **Clin Oncol** 1981 Sep;7(3):235–40

The effect of the local corticosteroids on the healing and biomechanical properties of the partially injured tendon. Kapetanos G. **Clin Orthop** 1982 Mar;(163):170–9

Effect of dextranomer on developing granulation tissue in standard skin defects of rats. Niinikoski J, et al. **Clin Ther** 1980;3(4):273–9

Corneal epithelial healing rates after topical nucleotides. Bowman KA, et al. **Curr Eye Res** 1981–82;1(10):619–22

Characterization of cyclic AMP-mediated wound closure of the rabbit corneal epithelium. Jumblatt MM, et al. **Curr Eye Res** 1981;1(4):189–95

The effect of an eye derived growth factor (EDGF) on corneal epithelial regeneration. Thompson P, et al. **Exp Eye Res** 1982 Feb;34(2):191–9

Stimulation of wound healing, using brain extract with fibroblast growth factor (FGF) activity. II. Histological and morphometric examination of cells and capillaries. Buntrock P, et al. **Exp Pathol** 1982;21(1):62–7

Stimulation of wound healing, using brain extract with fibroblast growth factor (FGF) activity. I. Quantitative and biochemical studies into formation of granulation tissue. Buntrock P, et al. **Exp Pathol** 1982;21(1):46–53

Effect of endotoxin on granulation tissue formation in rats. Kanta J, et al. **Exp Pathol** 1981;20(4):230–2

Influence of (E)-5-(2-bromovinyl)-2'-deoxyuridine on corneal epithelium healing. Maudgal PC, et al. **Graefes Arch Clin Exp Ophthalmol** 1982;218(5):275–81

Influence of Tridax procumbens on wound healing. Diwan PV, et al. **Indian J Med Res** 1982 Mar;75:460–4

The use of Healon in intraocular lens implantation. Miller D, et al. **Int Ophthalmol Clin** 1982 Summer;22(2):177–87 (34 ref.)

A comparison of healing of corneal epithelial wounds stained with fluorescein or Richardson's stain. Ubels JL, et al. **Invest Ophthalmol Vis Sci** 1982 Jul;23(1):127–31

Hemostatic and healing studies of sodium amylose succinate (IP760). Jeffery DL, et al. **J Biomed Mater Res** 1982 Jan; 16(1):51–61

Calcium and wound healing in Xenopus early embryos. Stanisstreet M. **J Embryol Exp Morphol** 1982 Feb; 67:195–205

Diabetic wound healing and the case for supplemental treatment with topical insulin. Glasser J, et al. **J Foot Surg** 1982 Summer;21(2):117–21 (25 ref.)

Effect of dietary retinyl acetate, beta-carotene and retinoic acid on wound healing in rats. Gerber LE, et al. **J Nutr** 1982 Aug;112(8):1555–64

Dexamethasone sodium phosphate (Decadron) versus saline placebo injections in strabismus surgery. Choy AE, et al. **J Pediatr Ophthalmol Strabismus** 1982 May–Jun; 19(3):140–3

Thiamine influence on collagen during the granulation of skin wounds. Alvarez OM, et al. **J Surg Res** 1982 Jan; 32(1):24–31

The effect of testosterone propionate on wound healing in normal and castrate rats. Shamberger RC, et al. **J Surg Res** 1982 Jul;33(1):58–68

Effect of dietary thiamine on intermolecular collagen cross-linking during wound repair: a mechanical and biochemical assessment. Alvarez OM, et al. **J Trauma** 1982 Jan;22(1):20–4

The effect of zinc on wound healing: a collective review. Liszewski RF. **JAOA** 1981 Oct;81(2):104–6 (23 ref.)

Zinc requirements in trauma and inflammation. Boyette DM. **Laryngoscope** 1982 Jun;92(6 Pt 1):648–9

The effect of preoperative adriamycin and dihydroxyanthracenedione on wound healing. Mullen BM, et al. **Laryngoscope** 1981 Sep;91(9 Pt 1):1436–43

Vitamin C and human wound healing. Ringsdorf WM Jr, et al. **Oral Surg** 1982 Mar;53(3):231–6 (27 ref.)

The effect of the proline analogue l-azetidine-2-carboxylic acid (LACA) on epidermal and dermal wound repair. Alvarez OM, et al. **Plast Reconstr Surg** 1982 Feb; 69(2):284–9

Prostaglandin inhibitors and wound healing [letter] Cuono CB. **Plast Reconstr Surg** 1982 Oct;70(4):514–5

The effect of prostaglandin inhibitors on wound contraction and the myofibroblast. McGrath MH. **Plast Reconstr Surg** 1982 Jan;69(1):74–85

Application of topical thrombin for skin-graft donor sites [letter] Smith DJ Jr, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):1028–9

Prevention and treatment of post-extraction complications. A comparison of the effect of Alvogyl and a new drug combination on wound healing. Syrjänen SM, et al. **Proc Finn Dent Soc** 1981;77(6):305–11

A clinical trial of a combination of amoxycillin and flucloxacillin in amputations for septic ischaemic lower limb lesions. Robbs JV, et al. **S Afr Med J** 1981 Dec 12; 60(24):932–4

Comparison of the effects of methylprednisolone and hydrocortisone on granulation tissue development. An experimental study in rat. Salmela K. **Scand J Plast Reconstr Surg** 1981;15(2):87–91

Use of sugar and povidone-iodine to enhance wound healing: five year's experience. Knutson RA, et al. **South Med J** 1981 Nov;74(11):1329–35

The effect of antineoplastic agents on wound healing. Ferguson MK. **Surg Gynecol Obstet** 1982 Mar;154(3):421–9 (62 ref.)

Carnosine, histidine, and wound healing. Fitzpatrick DW, et al. **Surgery** 1982 Jan;91(1):56–60

Histamine synthesis, imidazole dipeptides, and wound healing. Fitzpatrick DW, et al. **Surgery** 1982 Apr; 91(4):430–4

[Influences of long-term administration of hydrocortisone on fractures and whole-body response in rats (author's transl)] Babický V, et al. **Acta Chir Orthop Traumatol Cech** 1982 Feb;49(1):1–6 (Eng. Abstr.) **(Cze)**

[Does the fibrin glue accelerate the healing of tendons? (author's transl)] Bösch P, et al. **Arch Orthop Trauma Surg** 1981;98(4):305–10 (Eng. Abstr.) **(Ger)**

[Bone healing after gelatin sponge implantation under compression in dogs] Borckmann BU, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):25–9 (Eng. Abstr.) **(Ger)**

[Experimental studies on the healing of bone transplants after fibrin adhesive fixation] Neckel C, et al. **Dtsch Zahnarztl Z** 1982 Jan;37(1):30–2 (Eng. Abstr.) **(Ger)**

[Discussion comment on R. Will's article, 'Wound Sealing and Clot Stabilization with Human Fibrin Adhesive in Oral Surgery', Dtsch. zahnärztl. Z. vol. 36, 74–8 (1981)] Teiser J, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):536–9 **(Ger)**

[Experimental studies on the effect of thyrocalcitonin on secondary bone healing (author's transl)] Falter EW, et al. **Langenbecks Arch Chir** 1982;356(1):77–81 (Eng. Abstr.) **(Ger)**

[The influence of cyclophosphamide upon the healing of fractures in the rabbit (author's transl)] Langendorff HU, et al. **Unfallchirurgie** 1981 Oct;7(5):231–5 (Eng. Abstr.) **(Ger)**

[The effect of fibroblast growth factor on the wound healing in monkey corneas (author's transl)] Okisaka S, et al. **Nippon Ganka Gakkai Zasshi** 1981 Sep 10;85(9):1226–36 (Eng. Abstr.) **(Jpn)**

[Morphological evaluation of the healing process after implantation of knitted polyester net into the muscles and bones] Jaszczyk JR, et al. **Polim Med** 1981;11(1):39–45 (Eng. Abstr.) **(Pol)**

[Relation between the status of cellular immunity and pharmacologic immunocorrection of the wound process by phytohemagglutinin in rabbits] Bol'shakov IN, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):733–6 (Eng. Abstr.) **(Rus)**

[Mechanism of action of collagen on processes of regeneration] Nosova IM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):79–81 (Eng. Abstr.) **(Rus)**

[Repair processes in wound tissues of experimental animals following administration of glycine] Zaidenberg MA, et al. **Biull Eksp Biol Med** 1981 Nov;92(11):599–601 (Eng. Abstr.) **(Rus)**

[Effect of isopropoxysilatrane and isopropoxygermatrane on connective tissue proliferative and reparative function] Mansurova LA, et al. **Dokl Akad Nauk SSSR** 1982; 262(6):1505–6 **(Rus)**

[New collagen-base drugs for the treatment of burn wounds] Gorbatov VM, et al. **Klin Khir** 1982 Mar;(3):16–9 **(Rus)**

[Postoperative wound healing in distal gastric resection under retabolil] Simorot NI, et al. **Klin Khir** 1982 Jan;(1):17–20 (Eng. Abstr.) **(Rus)**

[Effect of antioxidants on regeneration processes in the burn wound] Smorshchok SA, et al. **Klin Khir** 1982 Mar;(3):13–5 **(Rus)**

[New possibilities of stimulating the regenerative processes in penetrating corneal wounds] Isaeva RT, et al. **Oftalmol Zh** 1981;36(5):294–6 (Eng. Abstr.) **(Rus)**

[Effect of topical use of proteinase inhibitors in the healing of purulent wounds] Grigorian AV, et al. **Vestn Khir** 1981 Aug;127(8):3–7 **(Rus)**

[Several mechanisms of stimulation of wound healing] Dudnikova GN. **Voen Med Zh** 1982 Feb;(2):26–30 **(Rus)**

[Pharmacological reactivity of myofibroblasts in granulation tissue] García-Valdecasas JC, et al. **Arch Farmacol Toxicol** 1981 Apr;7(1):113–22 **(Spa)**

RADIATION EFFECTS

Hypothyroidism and wound healing: occurrence after head and neck radiation and surgery. Alexander MV, et al. **Arch Otolaryngol** 1982 May;108(5):289–91

The effects of Diapulse on the healing of wounds: a double-blind randomised controlled trial in man. Goldin JH, et al. **Br J Plast Surg** 1981 Jul;34(3):267–70

Effects of high-dose and low-dose preoperative irradiation on low anterior anastomoses in dogs. Bubrick MP, et al. **Dis Colon Rectum** 1982 Jul–Aug;25(5):406–15

Effects of low-dose preoperative irradiation on low anterior anastomosis in dogs. Schauer RM, et al. **Dis Colon Rectum** 1982 Jul–Aug;25(5):401–5

The stimulating effect of low power laser rays : experimental examinations in otorhinolaryngology. Ribari O. **Rev Laryngol Otol Rhinol (Bord)** 1981 Nov–Dec; 102(11–12):531–3

[Use of laser rays for stimulation of perineal wound healing in parturients] Ordzhonikidze NV, et al. **Akush Ginekol (Mosk)** 1981 Aug;(8):53–5 **(Rus)**

[Effect of ultraviolet laser radiation on long-term nonhealing wounds] Nemtsev IZ, et al. **Vestn Khir** 1982 Jan;128(1):95–8 **(Rus)**

WOUND INFECTION

Burn wound infection. McManus WF, et al. **J Trauma** 1981 Sep;21(9):753–6

BLOOD

Multiple systems organ failure: VI. Death predictors in the trauma-septic state--the most critical determinants. Moyer E, et al. **J Trauma** 1981 Oct;21(10):862–9

COMPLICATIONS

[Treatment of infected pseudarthroses of the long bones] Karpaš K, et al.

Sb Ved Pr Lek Fak Univ Karlovy [Suppl] 1981;24(3):321–6 (Eng. Abstr.) **(Cze)**

[Use of external fixation devices in infected pseudarthroses of the shin] Karpaš K, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(3):327–33 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Intraoperative Gram's staining of bile as a guide for early selective administration of antibiotics. Wolloch Y, et al. **Isr J Med Sci** 1982 Apr;18(4):479–82

DRUG THERAPY

Comparison of dextranomer and streptokinase–streptodornase in the treatment of venous leg ulcers and other infected wounds. Hulkko A, et al. **Ann Chir Gynaecol** 1981;70(2):65–70

Gentamycin–PMMA bead chains in the treatment of posttraumatic osseous and tissue infections. Vécsei V, et al. **Arch Orthop Trauma Surg** 1982;99(4):259–63

Therapy for burn wound infection. Richards RM, et al. **J Clin Hosp Pharm** 1981 Dec;6(4):233–43 (73 ref.)

The bacteriology of war wounds. Selkon JB. **J R Nav Med Serv** 1981;67(3):160–4

Closed catheter technique in wound sepsis: report of cases. Bodell JE. **JAOA** 1982 Apr;81(8):561–4

Scientific basis for use of granulated sugar in treatment of infected wounds [letter] Chirife J, et al. **Lancet** 1982 Mar 6;1(8271):560–1

Sugar in the wound [letter] Forrest RD. **Lancet** 1982 Apr 10;1(8276):861

[Observations on effectiveness of combined vaccine of Staphylococcus aureus cell proteins and its toxoid in treatment of burn–wound infection (author's transl)] Tian FQ. **Chung Hua Wai Ko Tsa Chih** 1982 Feb;20(2):96–8 (Eng. Abstr.) **(Chi)**

[Fosfomycin, a new antibiotic for wound infections] Henneking K, et al. **Med Klin [Prax]** 1982 Jun 18; 77(13):44–8 **(Ger)**

[Use of organocobalt preparations in treating suppurative infection] Saidkhanov AS, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):28–30 (Eng. Abstr.) **(Rus)**

[Antibiotic iontophoresis in burn wound infection after autodermoplasty] Golubev BI. **Vestn Khir** 1981 Sep; 127(9):92–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Wound botulism in pediatrics. Keller MA, et al. **Am J Dis Child** 1982 Apr;136(4):320–2

Case report. Pseudomonas puncture wound osteomyelitis in adults. Siebert WT, et al. **Am J Med Sci** 1982 Mar–Apr; 283(2):83–8

Experimental Proteus mirabilis burn surface infection. McManus AT, et al. **Arch Surg** 1982 Feb;117(2):187–91

Pyoderma gangrenosum. A possible cause of wound necrosis. Schwaitzberg SD, et al. **Arch Surg** 1982 Mar;117(3):363–7

Postoperative wound infection: application of multiple regression analysis to patients parameters. Goonatilake PC. **Int J Biomed Comput** 1981 Sep;12(5):393–9

Pasteurella multocida—the major cause of hand infections following domestic animal bites. Arons MS, et al. **J Hand Surg** 1982 Jan;7(1):47–52

Bilateral tuberculous osteomyelitis of medial humeral condyles. Infection secondary to cutaneous inoculation. Shea JM. **JAMA** 1982 Feb 12;247(6):821–2

Illness caused by Vibrio damsela and Vibrio hollisae. Morris JG Jr, et al. **Lancet** 1982 Jun 5;1(8284):1294–7

[External fixator in the prevention and treatment of infections (author's transl)] Weller S. **Aktuel Traumatol** 1982 Apr; 12(2):43–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Damage to tissue defenses by a topical anesthetic agent. Barker W, et al. **Ann Emerg Med** 1982 Jun;11(6):307–10

Immunological aspects of thermal injuries. Kulick MI, et al. **Ann Plast Surg** 1981 Sep;7(3):252–5

MICROBIOLOGY

Bacteriological findings in the first 12 hours following experimental missile trauma. Dahlgren B, et al. **Acta Chir Scand** 1981;147(7):513–8

Primary bacterial contamination of wound track. Tian HM, et al. **Acta Chir Scand [Suppl]** 1982;508:265–9

Serodiagnosis of the role of opportunistic bacteria in cases of burn wound sepsis. Mitall OP, et al. **Burns Incl Therm Inj** 1982 Jan;8(3):161–3

Escherichia vulneris: a new species of Enterobacteriaceae associated with human wounds. Brenner DJ, et al. **J Clin Microbiol** 1982 Jun;15(6):1133–40

Panophthalmitis caused by Vibrio parahaemolyticus. Tacket CO, et al. **J Clin Microbiol** 1982 Jul;16(1):195–6

[Bacteriological findings in open fractures (author's transl)] Rojczyk M. **Unfallheilkunde** 1981 Nov;84(11):458–62 (Eng. Abstr.) **(Ger)**

[Microbial flora in wounds and their sensitivity to antibiotics in chronic kidney failure patients before and after kidney transplant] Vasina TA, et al. **Antibiotiki** 1982 Apr; 27(4):293–8 (Eng. Abstr.) **(Rus)**

[Microflora changes in suppurative wounds in the treatment process] Men'shikov DD, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):26–8 (Eng. Abstr.) **(Rus)**

[Role of anaerobic microorganisms in the development of infection after injuries and orthopedic operations] Mel'nikova VM, et al. **Ortop Travmatol Protez** 1981 Apr; (4):45–8 (Eng. Abstr.) **(Rus)**

[Method of quantitative evaluation in microbial wound contamination] Meleshevich AV, et al. **Sov Med** 1981; (12):92–4 **(Rus)**

[Protease activity of strains of Pseudomonas aeruginosa isolated from different sources] Brodinova NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):54–7 (Eng. Abstr.) **(Rus)**

[Drinking water with salt for cleaning and care of infected wounds] Brandberg A, et al. **Lakartidningen** 1982 Mar 3; 79(9):738–40 **(Swe)**

OCCURRENCE

Prognostic significance of abnormal neutrophil chemotaxis after thermal injury. Deitch EA, et al. **J Trauma** 1982 Mar; 22(3):199–204

PATHOLOGY

Histopathology of marine vibrio wound infections. Beckman EN, et al. **Am J Clin Pathol** 1981 Dec;76(6):765–72

[Morphology of the suppurative wound in the treatment process in a regulated environment] Sarkisov DS, et al. **Arkh Patol** 1981;43(8):34–41 (Eng. Abstr.) **(Rus)**

[Ultrastructural analysis of the interrelation of microbes and the cells of the blood–tissue barriers in severe skin burns] Vtiurin BV, et al. **Vestn Dermatol Venerol** 1981 Jun; (6):18–23 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Gram–negative sepsis in thermally injured sheep. Adair TH, et al. **Adv Shock Res** 1979;2:205–18

[Circulatory characteristics in the area of an infected wound] Sergeeva KA, et al. **Khirurgiia (Mosk)** 1982 Apr;(4):23–5 (Eng. Abstr.) **(Rus)**

[Hemostatic factors in granulation tissue in suppurative wounds] Kuzin MI, et al. **Sov Med** 1981;(4):67–72 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

LOcal effects of antibacterial therapy (benzyl–penicillin) on missile wound infection rate and tissue devitalization when debridement is delayed for twelve hours. Dahlgren B, et al. **Acta Chir Scand [Suppl]** 1982;508:271–9

The contamination of missile wounds with special reference to early antimicrobial therapy. Tikka S. **Acta Chir Scand [Suppl]** 1982;508:281–7

Antibiotic prophylaxis in open and closed fractures: a controlled clinical trial. Bergman BR. **Acta Orthop Scand** 1982 Feb;53(1):57–62

Primary closure of the contaminated wound. Closed suction wound catheter. Zelko JR, et al. **Am J Surg** 1981 Dec; 142(6):704–6

Prophylactic antibiotics in trauma. Alexander JW. **Am Surg** 1982 Feb;48(2):45–8 (24 ref.)

Prophylactic oxacillin in dog bite wounds. Elenbaas RM, et al. **Ann Emerg Med** 1982 May;11(5):248–51

Bactericidal activity and toxicity of iodine–containing solutions in wounds. Rodeheaver G, et al. **Arch Surg** 1982 Feb;117(2):181–6

Primary care of major hand injuries. Blue AI. **Compr Ther** 1982 Apr;8(4):52–4

Care of open wounds. Stuzin J, et al. **Compr Ther** 1982 Feb; 8(2):32–4

Antibiotic prophylaxis of postoperative neurosurgical wound infection. Haines SJ, et al. **J Neurosurg** 1982 Jan;56(1):103–5

Quantitative wound cultures in upper extremity trauma. Cooney WP 3d, et al. **J Trauma** 1982 Feb;22(2):112–7

A prospective study of prophylactic penicillin in acutely burned hospitalized patients. Durtschi MB, et al. **J Trauma** 1982 Jan;22(1):11–4

The bequests of Moncrief and Moyer: an appraisal of topical therapy of burns– 1981 American Burn Association Presidential Address. Hartford CE. **J Trauma** 1981 Oct; 21(10):827–34

Control of experimental burn wound infections: comparative delivery of the antimicrobial agent (silver sulfadiazine) either from a cream base or from a solid synthetic dressing. Robb EC, et al. **J Trauma** 1981 Oct;21(10):889–93

Evaluation of phenoxetol–chlorhexidine cream as a prophylactic antibacterial agent in burns. Lawrence JC, et al. **Lancet** 1982 May 8;1(8280):1037–40

Wounds treated by the healing of delayed primary closure: a clinical study. Shepard GH. **Milit Med** 1981 Jul; 146(7):473–5

Surgical therapeutic approach to the management of full thickness burns. Klarsfeld J. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):449–54

Peri–operative antibiotic cover in amputations using an amoxycillin–clavulanic acid combination. Huizinga WK, et al. **S Afr Med J** 1982 Jul 28;62(5 Spec No):13A–15A

[Modern treatment of wounds in general medical and ambulatory surgical practice] Senst W, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):401–4 **(Ger)**

[Use of polyvalent vaccine against Pseudomonas aeruginosa in extensive burns] Nasiłowski W, et al. **Pol Tyg Lek** 1981 Aug 10;36(32):1207–11 (Eng. Abstr.) **(Pol)**

[Substantiation of the pathogenetic prophylaxis and therapy of burns] Pekarskii DE. **Klin Khir** 1982 Mar;(3):57–81 (76 ref.) **(Rus)**

[Preventive express immunization with staphylococcal anatoxin in open fractures of long tubular bones] Revenko TA, et al. **Ortop Travmatol Protez** 1982 Jan;(1):9–11 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of the suppurative complications of severe mechanical trauma] Deriabin II, et al. **Vestn Khir** 1981 Jul;127(7):70–3 (Eng. Abstr.) **(Rus)**

SURGERY

Extirpation of a nidus of infection with tetanus bacilli by chemosurgery. Dávila de Pedro RL, et al. **J Dermatol Surg Oncol** 1981 Aug;7(8):629–31

The muscle flap for management of osteomyelitis [editorial] Mathes SJ. **N Engl J Med** 1982 Feb 4;306(5):294–5

Microvascular transfer of free tissue for closure of bone wounds of the distal lower extremity. May JW Jr, et al. **N Engl J Med** 1982 Feb 4;306(5):253–7

[CO2–laser in surgery of infected soft tissue of the extremities (animal experiments) (author's transl)] Skobelkin OK, et al. **Zentralbl Chir** 1982;107(4):218–22 (Eng. Abstr.) **(Ger)**

[Use of the Scalpel–l apparatus in treating suppurative soft tissue wounds] Udod VM, et al. **Klin Khir** 1982 Jan;(1):40–1 **(Rus)**

[Active surgical treatment of suppurative wounds and acute suppurative diseases] Abasov BKh, et al. **Vestn Khir** 1982 Feb;128(2):48–50 (Eng. Abstr.) **(Rus)**

[Treatment of endophthalmitis by vitrectomy] Iuzhakov AM, et al. **Vestn Oftalmol** 1981 Sep–Oct;(5):21–7 (Eng. Abstr.) **(Rus)**

THERAPY

The effect of intravenous fluid administration on the cardiopulmonary sequelae of burn wound sepsis. Traber DL, et al. **Adv Shock Res** 1980;4:27–32

The prophylaxis and treatment of purulent complications in open fractures. Okhotsky. **Injury** 1981 Nov;13(3):256–7

Honey or sugar in treatment of infected wounds? [letter] Bose B. **Lancet** 1982 Apr 24;1(8278):963

Sugar for infected wounds [letter] Chirife J, et al. **Lancet** 1982 Jul 17;2(8290):157

[Absorption treatment of skin defects] Cesaný P, et al. **Rozhl Chir** 1981 Nov;60(11):773–6 (Eng. Abstr.) **(Cze)**

[Irrigation–suction drainage in chronically infected wound cavities in the small pelvis] Seelig W, et al. **Helv Chir Acta** 1981 Aug;48(3–4):429–31 **(Ger)**

[Combined therapy using antibiotic combinations in septic burns in childhood] Baksa J. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):48–53 **(Hun)**

[Transosseous irrigations in the treatment of infected wounds in children] Koptleuov AZh. **Vestn Khir** 1981 Dec; 127(12):103–5 (Eng. Abstr.) **(Rus)**

[Use of Vishnevskii liniment during the Second World War] Milashkin AG. **Voen Med Zh** 1982 Feb;(2):76 **(Rus)**

[Treatment of wounds, suppurative inflammatory and cicatricial sclerotic diseases using ozokerite] Udod VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1982 Mar–Apr; (2):56 **(Rus)**

WOUNDS AND INJURIES

see related
DEBRIDEMENT
FIRST AID
TRANSPORTATION OF PATIENTS

Trauma. The neglected disease in modern society [editorial] Tedeschi LG. **Am J Forensic Med Pathol** 1981 Jun; 2(2):105–6

Compensation for suicide following job–related injury. Gravely SD. **Med Leg Bull** 1981 Nov–Dec;30(6):1–9

Trauma, television, movies, and misinformation [editorial] Mosberg WH Jr. **Neurosurgery** 1981 Jun;8(6):756–8

Symposium on Trauma. **Surg Clin North Am** 1982 Feb; 62(1):1–195

[The problem of documentation in traumatology] Markgraf E, et al. **Beitr Orthop Traumatol** 1981 Jan;28(1):53–8 (Eng. Abstr.) **(Ger)**

[Unusual combination of injuries after a fall from height] Schulz E. **Lebensversicherungsmedizin** 1982 Jan;34(1):116–7 (Eng. Abstr.) **(Ger)**

[The fate of critically injured patients] Glinz W, et al. **Soz Praventivmed** 1982 Feb;27(1):46–8 (Eng. Abstr.) **(Ger)**

[Decalogue of orthopedics and traumatology addressed especially to young persons] Paltrinieri M. **Chir Organi Mov** 1979 Nov–Dec;65(6):641–3 **(Ita)**

BLOOD

Coagulation and fibrinolysis in multiple trauma after early heparinizing. Trentz O, et al. **Adv Shock Res** 1979;2:103–10

The acute phase proteins of the rat, their regulation by hormones and biological significance. Schade R, et al. **Agents Actions [Suppl]** 1982;10:213–31

Tocainide protein binding in normal volunteers and trauma patients. Elvin AT, et al. **Br J Clin Pharmacol** 1982 Jun; 13(6):872–3

Alpha1–acid glycoprotein concentration and protein binding in trauma. Edwards DJ, et al. **Clin Pharmacol Ther** 1982

Jan;31(1):62–7
Effect of binding to plasma proteins on the interpretation of plasma cortisol concentrations after accidental injury. Barton RN, et al. **Clin Sci** 1981 Oct;61(4):399–405
Predicting serum gentamicin levels in adult trauma patients. Majerus TC, et al. **Clin Ther** 1980;3(4):316–28
Effects of epinephrine on plasma fibrinogen levels in rats submitted to tissue injury. Palma JA, et al. **Experientia** 1981 Jul 15;37(7):780–2
Fibrinogen synthesis in the isolated perfused rat liver: stimulation by a humoral factor associated with trauma. Kirsch RE, et al. **Hepatology** 1982 Mar–Apr;2(2):205–8
The somatomedin activity in plasma from patients with multiple mechanical injuries: with observations on plasma cortisol. Coates CL, et al. **Injury** 1981 Sep;13(2):100–7
Evaluation of a rapid immunoturbidimetric assay for opsonic fibronectin in surgical and trauma patients. Saba TM, et al. **J Lab Clin Med** 1981 Oct;98(4):482–91
Abnormal apolipoproteins in high density serum lipoproteins in dyslipoproteinaemia of severe trauma [letter] Carlson LA, et al. **Lancet** 1982 Oct 2;2(8301):760–1
Aggravating effect of alcohol on admission serum insulin patterns of patients with trauma and in a state of shock. Vitek V, et al. **Surg Gynecol Obstet** 1982 Mar;154(3):326–32
Generation of tissue factor by patient monocytes: correlation to thromboembolic complications. Miller CL, et al. **Thromb Haemost** 1981 Aug 28;46(2):489–95
[Comparative examinations of the forensic medicinal significance of myoglobin determination in sinus, heart and femoral blood] Tröger HD, et al. **Beitr Gerichtl Med** 1981; 39:317–20 (Eng. Abstr.) **(Ger)**
[Antithrombin-III activity in clotting disorders in polytraumatized patients (author's transl)] Sefrin P, et al. **Dtsch Med Wochenschr** 1982 Mar 12;107(10):383–5 (Eng. Abstr.) **(Ger)**
[Studies about combined lesions – 30th communication. Activation and inhibition of blood-coagulation after whole-body irradiation combined with trauma (author's transl)] Wustrow T, et al. **Strahlentherapie** 1982 Apr; 158(4):242–50 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

CRAMS scale: field triage of trauma victims. Gormican SP. **Ann Emerg Med** 1982 Mar;11(3):132–5
Indices of severity for emergency medical evaluative studies: reliability, validity, and data requirements. Gibson G. **Int J Health Serv** 1981;11(4):597–622
[Unified approach to the problem of childhood injuries] Anisimov VS. **Ortop Travmatol Protez** 1982 Apr;(4):53–5 **(Rus)**
[Classification of multiple injuries of the locomotor apparatus] Rusakov AB. **Ortop Travmatol Protez** 1981 Nov; (11):38–9 **(Rus)**
[Classification of mechanical injuries (results of a discussion on injury classification)] Tkachenko SS. **Ortop Travmatol Protez** 1981 Jan;(1):59–61 **(Rus)**
[Selection of informative symptoms for the evaluation of the severity of trauma] Okhotskiĭ VP, et al. **Sov Med** 1981; (11):83–6 **(Rus)**
[Forensic medical classification of aviation injuries] Popov VL. **Sud Med Ekspert** 1982 Jan–Mar;25(1):18–20 **(Rus)**

COMPLICATIONS

Effect of reticuloendothelial blockade on the development of hypotension after trauma, sepsis, and intravascular coagulation. Kaplan JE. **Adv Shock Res** 1979;2:73–81
Changing trends in causalgia. Spebar MJ, et al. **Am J Surg** 1981 Dec;142(6):744–6
Post-traumatic cerebral atrophy. A study on brain-injured veterans on the Finnish wars of 1939–40 and 1941–45. Mäntylä M. **Ann Clin Res** 1981;13(32):1–47
A case control study of Creutzfeldt-Jakob disease: association with physical injuries. Kondo K, et al. **Ann Neurol** 1982 Apr;11(4):377–81
Traumatic splenic injury: its management in a patient population with a high incidence of associated injury. Livingston CD, et al. **Arch Surg** 1982 May;117(5):670–4
Fat embolism syndrome: incidence, significance and early features. Moore P, et al. **Aust NZ J Surg** 1981 Dec; 51(6):546–51
Acute acalculous cholecystitis following trauma. Herlin P, et al. **Br J Surg** 1982 Aug;69(8):475–6
The abdomen in the patient with multiple injuries. Freeark R. **Can J Surg** 1982 Mar;25(2):178–80
Post-traumatic cataplexy [letter] Sadowski S. **Can Med Assoc J** 1982 May 15;126(10):1150–2
Acute ammonia intoxication complicating multiple trauma. Birken GA, et al. **Curr Surg** 1981 Sep–Oct;38(5):317–8
Traumatic aneurysm of the dorsalis pedis artery. A review of the literature and case report. Chairman EL, et al. **J Am Podiatry Assoc** 1982 Jan;72(1):41–3
Comparative clinical evaluation of combiflex and indomethacin in traumatic diseases. Chotigavanich C. **J Med Assoc Thai** 1981 Oct;64(10):531–7
Complications of detachable balloon catheter technique in the treatment of traumatic intracranial arteriovenous fistulas. Barrow DL, et al. **J Neurosurg** 1982 Mar; 56(3):396–403
Nitroprusside and nitroglycerine in patients with posttraumatic pulmonary failure. Annest SJ, et al. **J Trauma** 1981 Dec;21(12):1029–31
The use of modified Neufeld traction in the management of femoral fractures in polytrauma. Browner BD, et al. **J Trauma** 1981 Sep;21(9):779–87
Life threatening trauma and serious hand injuries [letter] Levin JM. **J Trauma** 1982 Jul;22(7):600
Isolation of Mycoplasma hominis from the blood of men with multiple trauma and fever. Ti TY, et al. **JAMA** 1982 Jan 1;247(1):60–1
Severe cytomegalovirus infection in multiply transfused, splenectomized, trauma patients. Baumgartner JD, et al. **Lancet** 1982 Jul 10;2(8289):63–6
Cold injury complicating trauma in subzero environments. Pearn JH. **Med J Aust** 1982 Jun 12;1(12):505–7
Trauma as an etiologic and aggravating factor in multiple sclerosis. Bamford CR, et al. **Neurology (NY)** 1981 Oct; 31(10):1229–34
Thoracic aortic rupture in patients with multisystem injuries. Hanschen S, et al. **South Med J** 1982 Jun;75(6):653–6
Trauma in the pregnant patient. Baker DP. **Surg Clin North Am** 1982 Apr;62(2):275–89
Liver failure. Flint LM. **Surg Clin North Am** 1982 Feb; 62(1):157–65
Respiratory insufficiency. Tranbaugh RF, et al. **Surg Clin North Am** 1982 Feb;62(1):121–32
Traumatic occlusion in fibromuscular dysplasia of the carotid artery. Young PH, et al. **Surg Neurol** 1981 Dec;16(6):432–7
[Diagnosis and management of traumatic and postoperative respiratory distress syndrome (author's transl)] Jin DN. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):100–3 **(Chi)**
[Realize the importance of post-traumatic acute respiratory distress syndrome: a plea (author's transl)] Ye YQ. **Chung Hua Wai Ko Tsa Chih** 1980 Apr;18(2):97–9 **(Chi)**
[The aseptic non calculous acute cholecystitis post-traumatic (author's transl)] Arnaud JP, et al. **Acta Gastroenterol Belg** 1981 Jul–Aug;44(7–8):308–13 (Eng. Abstr.) **(Fre)**
[Post-traumatic myocardial infarction with attack of right ventricle. In connection with one case. Review of existing studies recorded (author's transl)] Christides C, et al. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep;30(4):275–80 (Eng. Abstr.) **(Fre)**
[Traumatic auriculoventricular block during the electrophysiological explorations of the subjects suffering from a left interventricular heart block (author's transl)] Valère PE, et al. **Ann Cardiol Angeiol (Paris)** 1981 Jul–Sep; 30(4):253–60 (Eng. Abstr.) **(Fre)**
[Posttraumatic osteolysing haemangiomatosis (disappearing bone or Gorham syndrome) (author's transl)] Leu HJ, et al. **Dtsch Med Wochenschr** 1981 Oct 23;106(43):1424–8 (Eng. Abstr.) **(Ger)**
[Acute heart insufficiency of primarily non-cardiac origin after polytrauma] Wolff G, et al. **Schweiz Med Wochenschr** 1981 Nov 21;111(47):1795–8 (Eng. Abstr.) **(Ger)**
[Modelling of the prognosis of combined thermal injuries (author's transl)] Röding H. **Zentralbl Chir** 1982;107(1):6–16 (Eng. Abstr.) **(Ger)**
[The treatment of accident caused and postoperative pain conditions in children with Valoron N or else Valoron] Hauptmann A. **ZFA (Stuttgart)** 1981 Oct 31;57(30):2096–8 **(Ger)**
[Delirium tremens in relation to acute surgical diseases (clinical and therapeutic findings)] Gioetto M. **Chir Ital** 1981 Apr;33(2):474–98 (69 ref.) (Eng. Abstr.) **(Ita)**
[Treatment of acid–base imbalance in acute post-traumatic renal insufficiency] Abballe C, et al. **Clin Ter** 1982 May 15;101(3):297–305 **(Ita)**
[Acute post-traumatic and post-operative non-calculous cholecystitis. 6 cases] Pastorino G, et al. **Minerva Dietol Gastroenterol** 1982 Jan–Mar;28(1):55–8 (Eng. Abstr.) **(Ita)**
[Pulmonary fat embolism after multiple injuries (an experimental morphological study)] Zaĭtseva KK, et al. **Arkh Patol** 1981;43(12):40–7 (Eng. Abstr.) **(Rus)**
[Role of anaerobic microorganisms in the development of infection after injuries and orthopedic operations] Mel'nikova VM, et al. **Ortop Travmatol Protez** 1981 Apr; (4):45–8 (Eng. Abstr.) **(Rus)**
[Nature and classification of posttraumatic osteomyelitis] Popkirov S. **Ortop Travmatol Protez** 1981 Nov;(11):24–8 (Eng. Abstr.) **(Rus)**
[Prevention and treatment of the suppurative complications of severe mechanical trauma] Deriabin II, et al. **Vestn Khir** 1981 Jul;127(7):70–3 (Eng. Abstr.) **(Rus)**
[Complications in the victims of trauma in the postshock period] Apanasenko BG, et al. **Voen Med Zh** 1982 May; (5):52–3 **(Rus)**
[Heparin prophylaxis and hypercoagulability in traumatology] Torras Barba J, et al. **Rev Clin Esp** 1981 Dec 15;163(5):319–21 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Early cardiorespiratory prognostic patterns in multiple trauma patients. Oestern HJ, et al. **Adv Shock Res** 1979; 2:43–53
The transmission and interpretation of emergency department radiographs. James JJ, et al. **Ann Emerg Med** 1982 Aug; 11(8):404–8
Orthopedic injuries of the lower limb and trunk in multiple system trauma. Bailey SI. **Can J Surg** 1982 Mar;25(2):171–2
The battered child syndrome revisited. Galleno H, et al. **Clin Orthop** 1982 Jan–Feb;(162):11–9
Developmental orthopaedics. II: The spine, trauma and infection. Hensinger RN, et al. **Dev Med Child Neurol** 1982 Apr;24(2):202–18 (8 ref.)
What does it mean when a patient falls? part II: evaluation and treatment of injuries. Chipman C, et al. **Geriatrics** 1981 Oct;36(10):101–11
Accidents do happen: two cautionary tales. Palmer P. **Papua New Guinea Med J** 1981 Dec;24(4):294–5
[Today's accident surgery. Evaluation and first aid at the location of the accident (editorial)] Schweiberer L. **MMW** 1982 Apr 9;124(14):333–4 **(Ger)**
[Pathomechanism and localization of musculoskeletal injuries depending on the circumstances of traffic accidents] Wasilewski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1981; 46(1):1–4 (Eng. Abstr.) **(Pol)**
[Criteria for assessing the severity of the condition and the principles of pathogenetic therapy in multiple trauma in children] Doletskiĭ SIa, et al. **Klin Khir** 1981 Jun;(6):25–30 (Eng. Abstr.) **(Rus)**
[Blood serum lysosomal enzyme activity in multiple and combined injuries] Goriachev AN, et al. **Ortop Travmatol Protez** 1981 Jul;(7):6–8 (Eng. Abstr.) **(Rus)**
[Diagnosis of mechanical injuries similar to bullet wounds] Kovbasin VF. **Sud Med Ekspert** 1981 Oct–Dec;24(4):20–1 **(Rus)**
[Inquest data necessary for an expert conclusion in a fetal industrial injury] Mazurenko MD. **Sud Med Ekspert** 1981 Oct–Dec;24(4):22–4 (Eng. Abstr.) **(Rus)**
[Blood serum lysozyme activity in wounds and severe multiple injury] Leshchenko IG. **Voen Med Zh** 1981 Sep; (9):61–2 **(Rus)**
[What can we learn from the cases reported to insurance companies? Missed diagnoses] Britton M, et al. **Lakartidningen** 1981 Oct 14;78(42):3681–3 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Evaluation of the effect of naproxen in the treatment of traumatic injuries. Double-blind study of 368 patients. Vandekerckhove H. **Acta Orthop Belg** 1982 Mar–Apr; 48(2):431–6
[Reaction of peripheral blood leukocytes to wound processes during phytohemagglutinin therapy in rabbits with different hypersensitivity of delayed type] Lindner DP, et al. **Biull Eksp Biol Med** 1982 Mar;93(3):106–10 (Eng. Abstr.) **(Rus)**

ECONOMICS

Estimating costs of illness and injuries: a response. Smart CN, et al. **Am J Public Health** 1981 Dec;71(12):1394–5
Estimating costs of illness and injuries: a criticism. Sondik EJ, et al. **Am J Public Health** 1981 Dec;71(12):1392–3
[Functional damage: its compensation under the federal law on accident insurance] Zollinger H, et al. **Z Unfallmed Berufskr** 1981;74(3–4):145–7 **(Ger)**

ENZYMOLOGY

[Enzyme changes in the human liver after injuries] Coman M, et al. **Physiologie** 1981 Jan–Mar;18(1):57–60 **(Fre)**

ETIOLOGY

Epidemiology of childhood injuries. I. review of current research and presentation of conceptual framework. Rivara FP. **Am J Dis Child** 1982 May;136(5):399–405 (83 ref.)
The psychiatrist and violent death investigation. Danto BL. **Am J Forensic Med Pathol** 1982 Mar;3(1):29–33
Drive-belt or patta injuries. Gupta RC, et al. **Injury** 1982 May;13(6):495–9
150 bicycle injuries in children: a comparison with accidents due to other causes. Illingworth CM, et al. **Injury** 1981 Jul;13(1):7–9
Sibling induced injury? Gill DG. **Ir Med J** 1982 Jan;75(1):12
Accidental injuries to children and youths in rural Florida. Schulkind ML, et al. **J Fam Pract** 1982 Aug;15(2):357–8, 363
Trauma from toy boxes. Singer WD, et al. **J Pediatr** 1982 Feb;100(2):242–3
Medical consequences of the various weapons systems used in combat in Thailand. Johnson DE, et al. **Milit Med** 1981 Sep;146(9):632–4
Baby walker injuries. Fazen LE 3d, et al. **Pediatrics** 1982 Jul;70(1):106–9
Injuries related to baby walkers [editorial] Holroyd HJ. **Pediatrics** 1982 Jul;70(1):147
Playground injuries and voluntary product standards for home and public playgrounds. Werner P. **Pediatrics** 1982 Jan;69(1):18–20
Mechanical bull syndrome. McConnell RY, et al. **South Med J** 1982 Jun;75(6):681–6
[Children falling from heights] Hájková H, et al. **Rozhl Chir** 1982 Apr;61(4):219–24 (Eng. Abstr.) **(Cze)**
[Injuries by marine animals in New Caledonia and dependencies (author's transl)] Bahuaud J, et al. **Med Trop (Mars)** 1982 Mar–Apr;42(2):185–95 (Eng. Abstr.) **(Fre)**
[Mechenical complications of central venous catheters in a series of 602 cases] Dhahri M, et al. **Tunis Med** 1981 Jul–Aug;59(4):313–7 **(Fre)**

[Snow-related trauma in Jerusalem during the winter of 1980] Adler J, et al. **Harefuah** 1982 Jan 1;102(1):7-9 (Eng. Abstr.) **(Heb)**

[Traumatic neurological lesions in ejected pilots] Sironi VA, et al. **Riv Med Aeronaut Spaz** 1981 Jan-Jun;45(1-2):53-67 (Eng. Abstr.) **(Ita)**

HISTORY

Development of wound therapy from the Dark Ages to the present. Forrest RD. **J R Soc Med** 1982 Apr;75(4):268-73

Early history of wound treatment. Forrest RD. **J R Soc Med** 1982 Mar;75(3):198-205

Wound management and the legacy of H. Winnett Orr. Connolly JF. **Nebr Med J** 1982 Mar;67(3):60-1

[Historical comments on traumatic ruptures of the bile ducts (author's transl)] Alawneh I. **Aktuel Traumatol** 1981 Dec; 11(6):231-3 (Eng. Abstr.) **(Ger)**

[60th anniversary of the N. N. Priorov Central Institute of Traumatologyand Orthopedics] Volkov MV. **Ortop Travmatol Protez** 1981 Apr;(4):1-5 **(Rus)**

[Surgical and traumatological problems in V. A. Manassein's journal Vrach (1880-1901)] Estrin GB. **Vestn Khir** 1981 Oct;127(10):142-4 **(Rus)**

IMMUNOLOGY

A shared effect of abscesses and nonviable tissue influencing the development of sepsis and acute respiratory distress syndrome. Heideman M. **Acta Chir Scand [Suppl]** 1982; 508:295-302

Anergy and altered lymphocyte function in the injured patient. Dawson CW, et al. **Am Surg** 1982 Aug; 48(8):397-401

Comparison between in vitro lymphocyte activity and metabolic changes in trauma patients. Renk CM, et al. **J Trauma** 1982 Feb;22(2):134-40

The immune consequences of trauma. Miller SE, et al. **Surg Clin North Am** 1982 Feb;62(1):167-81

The effect of nutritional support on immune competency in patients suffering from trauma, sepsis, or malignant disease. Mullin TJ, et al. **Surgery** 1981 Oct;90(4):610-5

[Changes in the parameters of humoral immunity due to surgical operations or trauma] Guarducci AM, et al. **Minerva Anestesiol** 1981 Aug;47(8):471-3 (Eng. Abstr.) **(Ita)**

[Bacterial properties of tissues following injury] Kaplan AE. **Ortop Travmatol Protez** 1982 Apr;(4):33-7 (Eng. Abstr.) **(Rus)**

[Comparative clinico-immunological evaluation of the use of large amounts of thawed erythrocytes in severe injury] Deriabin II, et al. **Vestn Khir** 1982 Feb;128(2):110-3 **(Rus)**

[Immunological reactivity in severe mechanical trauma] Podosinnikov IS, et al. **Vestn Khir** 1981 Aug;127(8):116-20 (53 ref.) **(Rus)**

METABOLISM

Sir David Cuthbertson Lecture. Protein and energy metabolism after trauma: old concepts and new developments. James WP. **Acta Chir Scand [Suppl]** 1981; 507:1-20

Regulation of ketone body metabolism and the effects of injury. Williamson DH. **Acta Chir Scand [Suppl]** 1981; 507:22-9

Circulatory isolation of the liver for studying energy metabolism in trauma and sepsis. Maksad AK, et al. **Adv Shock Res** 1980;4:41-7

Increasing glucose intake during total parenteral nutrition increases norepinephrine excretion in trauma and sepsis. Nordenström J, et al. **Clin Physiol** 1981 Oct;1(5):525-34

Substrate oxidation shortly after accidental injury in man. Little RA, et al. **Clin Sci** 1981 Dec;61(6):789-91

Effect of insulin on protein catabolism after injury in young animals. Tannuri U, et al. **J Pediatr Surg** 1982 Jun; 17(3):296-9

Comparison between in vitro lymphocyte activity and metabolic changes in trauma patients. Renk CM, et al. **J Trauma** 1982 Feb;22(2):134-40

Clinical use of pulse rates to determine daily energy expenditures in trauma and surgical patients. Dennis RS, et al. **JPEN** 1982 Mar-Apr;6(2):146-9

Net protein utilization during total parenteral nutrition of injured critically ill patients: an original approach. Iapichino G, et al. **JPEN** 1981;5(4):317-21

The metabolic response to injury and other related explorations in the field of protein metabolism: an autobiographical account. Cuthbertson DP. **Scott Med J** 1982 Apr;27(2):158-71

[Behavior of free amino acids in plasma and urine of intensive care patients with multiple injuries during the administration of an amino acid solution with 10% branched-chain amino acids] Schmitz JE, et al. **Infusionsther Klin Ernahr** 1981 Oct;8(5):244-52 (Eng. Abstr.) **(Ger)**

[Metabolic regulation in surgical patients] Göschke H. **Int J Vitam Nutr Res** 1979;18:131-9 (Eng. Abstr.) **(Ger)**

[Nutritional and metabolic aspects of the therapy of major trauma] **Minerva Dietol Gastroenterol** 1981 Apr-Jun; 27(2):223-84 **(Ita)**

[Mechanism of action of collagen on processes of regeneration] Nosova IM, et al. **Biull Eksp Biol Med** 1981 Aug;92(8):79-81 (Eng. Abstr.) **(Rus)**

[Effect of adrenal cortex hormones on protein metabolism in the liver in severe mechanical trauma] Nigulianu VI. **Patol Fiziol Eksp Ter** 1981;(6):33-6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Bacteriological aspects of traumatisms caused by animals (author's transl)] Peloux Y, et al. **Med Trop (Mars)** 1982 Mar-Apr;42(2):173-6 (Eng. Abstr.) **(Fre)**

MORTALITY

Changes in the frequency of alcohol intoxication associated with mortality. Poikolainen K. **Drug Alcohol Depend** 1982 Apr;9(2):127-30

Death and injury from motor vehicle crashes in Israel: epidemiology, prevention and control. Richter ED. **Int J Epidemiol** 1981 Jun;10(2):145-53

Traumatic rupture of the spleen. Arden GP, et al. **Int Surg** 1981 Apr-Jun;66(2):149-53

High free fall with survival. Layton TR, et al. **J Trauma** 1981 Nov;21(11):983-5

Fatal occupational injuries. Baker SP, et al. **JAMA** 1982 Aug 13;248(6):692-7

Multiple trauma. Analysis of mortality. Bohlke D. **Minn Med** 1981 Sep;64(9):529-32

A five year review of deaths following trauma. Sinha SN, et al. **Papua New Guinea Med J** 1981 Dec;24(4):222-8

Traumatic deaths from dog attacks in the United States. Pinckney LE, et al. **Pediatrics** 1982 Feb;69(2):193-6

Fatal motor vehicle accidents of child passengers from birth through 4 years of age in Washington State. Scherz RG. **Pediatrics** 1981 Oct;68(4):572-5

Children killed in falls from motor vehicles. Williams AF. **Pediatrics** 1981 Oct;68(4):576-8

[Morbidity and mortality in paediatric traumatology] Schickedanz H, et al. **Beitr Orthop Traumatol** 1981 Jan; 28(1):47-52 (Eng. Abstr.) **(Ger)**

[Analysis of fatal automotive injuries in the Leningrad region and ways of improving medical services to the injured] Balliuzek FV, et al. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):27-9 **(Rus)**

NURSING

Preparing for patients with multisystem trauma. Lockwood BJ. **AORN J** 1981 Nov;34(5):829-37

Critical care of the child with multi-trauma. Lyon SH. **Nurs Clin North Am** 1981 Dec;16(4):657-70

OCCURRENCE

Environmental factors in childhood accidents. A prospective study in Göteborg, Sweden. Nathorst Westfelt JA. **Acta Paediatr Scand [Suppl]** 1982;291:1-75

Injury and normal and low birth weights [letter] Pasamanick B. **Am J Dis Child** 1981 Dec;135(12):1150-1

Epidemiology of childhood injuries. II. Sex differences in injury rates. Rivara FP, et al. **Am J Dis Child** 1982 Jun; 136(6):502-6

A computer-based analysis of injuries sustained by victims of a major air disaster. Koelmeyer TD, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):11-6

Experience with civilian vascular injuries in eastern Nigeria. Anyanwu CH, et al. **Angiology** 1982 Feb;33(2):90-7

Serum alcohol levels and the incidence of trauma. Inglese-Bieber M, et al. **Curr Alcohol** 1981;8:269-82

The influence of 'biorhythm' on the incidence of injuries among forest workers. Sláma O. **Eur J Applied Physiol** 1981;47(4):331-5

Accidental injuries among technical personnel in railways at Allahabad. Ghosh DB, et al. **Indian J Med Res** 1981 Oct;74:621-9

The hospital experience of seat belt legislation in the county of Skaraborg, Sweden. Mellbring G, et al. **Injury** 1981 May; 12(6):506-9

Injury in late life: Part I. Epidemiology. Hogue CC. **J Am Geriatr Soc** 1982 Mar;30(3):183-90 (51 ref.)

Falls among the elderly: a review of the methods and conclusions of epidemiologic studies. Perry BC. **J Am Geriatr Soc** 1982 Jun;30(6):367-71

Epidemiology of trauma. Gupta ML, et al. **J Indian Med Assoc** 1981 Dec 1;77(11):169-71

A study of accident injury cases among children (1-12 years) in an industrial township of West Bengal. Mukhopadhyay S. **J Indian Med Assoc** 1981 Jun 1;76(11):210-2

The Canberra Child Trauma Study: Canberra's unique population provides answers about child accidents throughout Australia. Pearn JH, et al. **Med J Aust** 1981 Nov 28;2(11):612-3

Injury patterns and helmet effectiveness among hospitalized motorcyclists. Carr WP, et al. **Minn Med** 1981 Sep; 64(9):521-7

Occupational injury surveillance--United States. **MMWR** 1981 Nov 27;30(46):578-9

Unintentional and intentional injuries--United States. **MMWR** 1982 May 14;31(18):240, 245-8

Lightning risk. Rush M, et al. **Rev Environ Health** 1981; 3(3):301-13

Road traffic accident related morbidity as seen in an accident and emergency department. Galloway DJ, et al. **Scott Med J** 1981 Apr;26(2):121-4

Serious weapon injuries in North Yemen: review of 74 cases. Gibson A. **Trop Doct** 1982 Jul;12(3):120-3

[Chronological assessment of the preventive measures taken in the field of road traffic accidents in France. Methodological problems and results. (author's transl)] Hatton F, et al. **Rev Epidemiol Sante Publique** 1981; 29(3):341-53 (Eng. Abstr.) **(Fre)**

[The fall of Icarus or the seriously injured young motorcyclist (author's transl)] Börner M, et al. **Unfallchirurgie** 1982 Feb; 8(1):1-7 (Eng. Abstr.) **(Ger)**

[Epidemiology of injuries of the body cavities] Franke A, et al. **Z Arztl Fortbild (Jena)** 1981 Nov 1;75(21):1030-2 **(Ger)**

[Statistical data of road traffic accidents in Hungary from 1963 to 1979 (author's transl)] Ackermann A. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(2):152-6 (Eng. Abstr.) **(Hun)**

[Injuries and prevention of injuries in a local community] Tellnes G, et al. **Tidsskr Nor Laegeforen** 1981 Sep 20; 101(26):1454-7 (Eng. Abstr.) **(Nor)**

[Dynamics and severity of occupational injuries at the A. Warski Shipyard in Szczecin during the years 1967-1977] Schweiger I, et al. **Med Pr** 1981;32(2):135-43 (Eng. Abstr.) **(Pol)**

[Analysis of the injuries in road traffic accidents in a provincial center] Borisevich KN, et al. **Ortop Travmatol Protez** 1981 Nov;(11):47-9 **(Rus)**

[Results of a discussion on the problem of improving the recording of accidents, poisonings and trauma] Shumada IV. **Ortop Travmatol Protez** 1981 Nov;(11):53-5 **(Rus)**

[Socioeconomic aspects of job injuries on Balashov District collective farms] Smotrov NA. **Sov Zdravookhr** 1981; (10):32-6 (Eng. Abstr.) **(Rus)**

[Morbidity and injuries among student work brigades and the means for their further decrease] Ziuzin VA, et al. **Sov Zdravookhr** 1982;(2):32-6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Types of injuries and interrelated conditions of victims and assailants in attempted and homicidal strangulation. Härm T, et al. **Forensic Sci Int** 1981 Sep-Oct;18(2):101-23

[Trace technical reconstruction of typical movement processes in real pedestrian-automobile accidents] König HG, et al. **Beitr Gerichtl Med** 1981;39:347-55 (Eng. Abstr.) **(Ger)**

[Rare injury findings in women - self mutilation or abuse] Umach P, et al. **Beitr Gerichtl Med** 1981;39:381-6 (Eng. Abstr.) **(Ger)**

[Cellular composition of normal lymph and lymph in an injury to the body] Lialina RV, et al. **Arkh Patol** 1981; 43(5):72-7 (76 ref.) (Eng. Abstr.) **(Rus)**

[Value of correlating medicolegal examinations of flight crews with interpretations of on-board flight recorder entries] Alpatov IM. **Sud Med Ekspert** 1982 Jan-Mar; 25(1):21-2 **(Rus)**

[Positions on the All-Union 'Rules for the Forensic Medical Determination of the Degree of Severity of Bodily Injuries'] Kupov IIa. **Sud Med Ekspert** 1982 Apr-Jun; 25(2):47-8 **(Rus)**

[Forensic medical characteristics of injuries caused by the KS-2.6 silage harvester] Zaval'niuk AKh. **Sud Med Ekspert** 1981 Jul-Aug;24(3):12-4 **(Rus)**

PHYSIOPATHOLOGY

Is the missile wound a model suitable for general trauma studies? Schantz B. **Acta Chir Scand [Suppl]** 1982; 508:159-66

Pathophysiological responses to multiple injuries. Stoner HB. **Acta Chir Scand [Suppl]** 1982;508:303-8

Immunoreactive serum opsonic alpha 2 sb glycoprotein as a noninvasive index of RES systemic defense after trauma. Kaplan JE, et al. **Adv Shock Res** 1979;2:83-92

Responses to injury--past research and future plans. Stoner HB. **Adv Shock Res** 1979;2:1-9

Pathophysiology of massive trauma with therapeutic implications. Alho A, et al. **Ann Chir Gynaecol** 1981; 70(5):220-32 (34 ref.)

Promoting healing of trauma wounds. Bremer C. **AORN J** 1982 May;35(6):1150-70

The nature of wound healing. Schumann D. **AORN J** 1982 May;35(6):1068-77

Defects in peripheral oxygen utilization following trauma and shock. Shah DM, et al. **Arch Surg** 1981 Oct;116(10):1277-81

Trauma score. Champion HR, et al. **Crit Care Med** 1981 Sep; 9(9):672-6

Meaning and value of free water clearance in injured patients. Kosinski JP, et al. **J Surg Res** 1982 Sep;33(3):184-8

Multiple systems organ failure: VII. Reduction in plasma branched-chain amino acids--correlations with liver failure and amino acid infusion. Moyer E, et al. **J Trauma** 1981 Nov;21(11):965-9

Polarization of the Golgi apparatus and the microtubule-organizing center in cultured fibroblasts at the edge of an experimental wound. Kupfer A, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2603-7

Haemopoietic recovery during radiation disease: comments on combined-injuries. Stevenson AF. **Radiat Environ Biophs** 1981;20(1):29-36

Renal considerations in the injured patient. Lucas CE. **Surg Clin North Am** 1982 Feb;62(1):133-48

[Microcirculatory changes in trauma] Levis DKh. **Khirurgiia (Sofiia)** 1981;34(3):275-81 (27 ref.) **(Bul)**

[Dynamics of the state of the granulation tissue after trauma

inflicted at different times of day] Aviñó Marrades JM, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(10):47–51 (Eng. Abstr.) **(Rus)**

[Use of modeling in studying aviation injuries] Alpatov IM. **Sud Med Ekspert** 1982 Apr–Jun;25(2):3–4 **(Rus)**

[Mitochondria and posttraumatic regeneration] Motlokh NN. **Usp Sovrem Biol** 1981 Nov–Dec;92(3):422–39 (150 ref.) **(Rus)**

[Leukocyte functional activity in patients with inflammatory complications in the early postshock period of traumatic disease] Khudaiberenov GS, et al. **Vestn Khir** 1981 Nov; 127(11):56–9 **(Rus)**

PREVENTION & CONTROL

Bicycle injuries among children [editorial] Lapner M, et al. **Can Med Assoc J** 1981 Jul 15;125(2):132

Childhood injuries: recognition and prevention. Berger LR. **Curr Probl Pediatr** 1981 Nov;12(1):1–59

Prevention of death and injury from motor vehicle crashes in Israel: swift cost-effective options in the 1980s. Richter ED. **Isr J Med Sci** 1981 Dec;17(12):1175–80

Papers prepared by the National Institute on Aging for the White House Conference on Aging (WHCoA). Injury in late life: II. Prevention. Hogue CC. **J Am Geriatr Soc** 1982 Apr;30(4):276–80

Childhood injuries: the community approach to prevention. Baker SP. **J Public Health Policy** 1981 Sep;2(3):235–46

Child restraint [letter] Bushore M. **J Tenn Med Assoc** 1981 Sep;74(9):678–9

Preventing injuries, disability, and death at work (starting with vehicles and guns!) [editorial] Omenn GS. **JAMA** 1982 Aug 13;248(6):723–4

Injury prevention: the pediatrician as child advocate. Rivara FP. **JDBP** 1981 Dec;2(4):160–2

A strategy for the reduction of childhood injuries in Massachusetts: SCIPP. Gallagher SS, et al. **N Engl J Med** 1982 Oct 14;307(16):1015–9

Use of education in preventing injuries. Bergman AB. **Pediatr Clin North Am** 1982 Apr;29(2):331–8

Epidemiologic principles applied to injury prevention. Coleman PJ. **Scand J Work Environ Health** 1981;7 Suppl 4:91–6

[Teaching young schoolchildren measures for preventing injuries] Karataeva NB, et al. **Gig Sanit** 1982 May;(5):49–52 **(Rus)**

[Job selection in the structure of early measures for preventing injuries and occupational diseases] Barabash VI. **Gig Tr Prof Zabol** 1981 Oct;(10):43–4 **(Rus)**

[Injuries, a medical and social problem] Romanenko AE. **Ortop Travmatol Protez** 1982 Apr;(4):1–4 **(Rus)**

[Introduction, into public health practice, of the Central Institute of Traumatology and Orthopedics research results in the organizational problems of traumatologic and orthopedic care and the prevention of injuries] Zhuravlev SM, et al. **Ortop Travmatol Protez** 1981 Apr;(4):6–9 **(Rus)**

[Medical aspects of the prevention of injuries in children] Bolottsev OK, et al. **Pediatriia** 1981 Oct;(10):3–6 **(Rus)**

[Prevention of children's injuries at summer health resorts near Leningrad] Zatekin AI. **Pediatriia** 1982 Feb;(2):60–1 **(Rus)**

PSYCHOLOGY

Psychiatric consultation to the child with acute physical trauma. Ravenscroft K. **Am J Orthopsychiatry** 1982 Apr; 52(2):298–307

Diagnosis and prognosis in compensation claims. Woodyard JE. **Ann R Coll Surg Engl** 1982 May;64(3):191–4

Direct alteration of a traumatic nightmare. Halliday G. **Percept Mot Skills** 1982 Apr;54(2):413–4

[Suicide after trauma] Funk F. **Fortschr Med** 1981 Dec 3; 99(45):1867–9 **(Ger)**

RADIOGRAPHY

Applications of computerized tomography in orthopaedics and traumatology. Casteleyn PP, et al. **Acta Orthop Belg** 1982 Mar–Apr;48(2):389–403

Low-intensity X-ray-imaging scope (Lixiscope). Its applications in sports medicine and orthopaedic surgery. Tansey WJ. **Am J Sports Med** 1981 Nov–Dec;9(6):360–4

Wound volume: measurement and radiology of casts [letter] Sutherland F, et al. **Can J Surg** 1982 Jul;25(4):364

Interventional radiology in trauma victims: analysis of 51 consecutive patients. Sclafani SJ, et al. **J Trauma** 1982 May; 22(5):353–60

Computed tomography of the musculoskeletal system. Riddlesberger MM Jr. **Radiol Clin North Am** 1981 Sep; 19(3):463–77 (43 ref.)

[Significance of roentgen diagnosis in traffic accident research] Mittmeyer HJ. **Med Welt** 1981 Oct 9; 32(41):1526–8 **(Ger)**

[Radiographic investigation during medico-legal autopsies (author's transl)] Bratzke H, et al. **ROFO** 1982 Apr; 136(4):463–72 (Eng. Abstr.) **(Ger)**

[Current aspects of x-ray diagnosis in traumatology] Novikov VP. **Vestn Rentgenol Radiol** 1981 Nov–Dec;(6):73–7 **(Rus)**

REHABILITATION

Rehabilitation after injury. Reed F. **J R Nav Med Serv** 1982 Spring;68(1):16–9

Rehabilitation of common orthopedic problems. Derscheid G. **Nurs Clin North Am** 1981 Dec;16(4):709–20

SURGERY

Problem wounds. Jurkiewicz MJ, et al. **Adv Surg** 1981; 15:157–87

Primary hemostasis after massive transfusion for injury. Harrigan C, et al. **Am Surg** 1982 Aug;48(8):393–6

Automatic disposable stapling devices for wound closure. Johnson A, et al. **Ann Emerg Med** 1981 Dec;10(12):631–5

Plastic surgery and civilian casualties due to 'terrorist' activities. Golan J, et al. **Ann Plast Surg** 1982 May; 8(5):359–62

An improvised suction drain. Peled IJ, et al. **J Dermatol Surg Oncol** 1982 Jan;8(1):18

Operative policy in severe facial trauma in combination with other severe injuries. Mektubjian SR. **J Maxillofac Surg** 1982 Feb;10(1):14–7

Atrial–caval shunting (ACS) after trauma. Kudsk KA, et al. **J Trauma** 1982 Feb;22(2):81–5

Reconstruction of the mandible: use of combined homologous mandible and autologous bone. deFries HO. **Otolaryngol Head Neck Surg** 1981 Jul–Aug;89(4):694–7

Society of University Surgeons. Presidential address: On the nature of things that go bang in the night. Trunkey DD. **Surgery** 1982 Aug;92(2):123–32

[Allografting in skin defects from mechanical injury] Chervenkov I. **Khirurgiia (Sofiia)** 1981;34(6):517–22 (Eng. Abstr.) **(Bul)**

[Management of combined thermal and mechanical injuries (author's transl)] Sheng ZY. **Chung Hua Wai Ko Tsa Chih** 1981 Oct;19(10):607–9 (Eng. Abstr.) **(Chi)**

[The Red Cross Field Hospital in Khao-I-Dang, Thailand 1980. 6-months' activity and principles involved] Jensen SK, et al. **Ugeskr Laeger** 1982 Feb 15;144(7):497–500 (Eng. Abstr.) **(Dan)**

[Surgical treatment of injuries in general practice and emergency departments] Olesen F, et al. **Ugeskr Laeger** 1981 Oct 5;143(41):2675–8 (Eng. Abstr.) **(Dan)**

[Forensic medicine reconstruction of traffic accidents after surgical procedures] Walz F. **Beitr Gerichtl Med** 1981; 39:265–8 (Eng. Abstr.) **(Ger)**

[Experimental surgery: accident surgery] **Hefte Unfallheilkd** 1981;153:17–132 **(Ger)**

[Special problems of thrombosis prophylaxis in trauma surgery] Feldkamp G. **Med Welt** 1981 Jul 31; 32(30–31):1188–94 **(Ger)**

[Clean field–technique to reduce the local air contamination level in operating rooms. Clinical experiences in accident surgery (author's transl)] Klems H, et al. **Unfallchirurgie** 1981 Aug;7(4):215–20 (Eng. Abstr.) **(Ger)**

[Is traumatologic surgery a specialty? If so, whose?] Kazár G. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(2):158 **(Hun)**

[Experiences regarding the treatment of severe polytraumatic patients (author's transl)] Kubatov M, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):6–10 **(Hun)**

[Possibilities of microsurgery in traumatology] Renner A, et al. **Orv Hetil** 1981 Oct 4;122(40):2455–7 **(Hun)**

[Granulocyte function in patients in the acute phase of severe diseases] Lazzarin A, et al. **Minerva Anestesiol** 1981 Aug; 47(8):467–9 **(Ita)**

[Comparative clinical trials of 0.75 and 0.50 percent bupivacaine in orthopedic traumatological surgery] Ramaioli F, et al. **Minerva Anestesiol** 1981 Jun;47(6):271–80 (Eng. Abstr.) **(Ita)**

[Surgery of operative lesions of the principal biliary passages] Burlui D, et al. **Rev Chir [Chir]** 1982 Jan–Feb;31(1):21–30 (Eng. Abstr.) **(Rum)**

[Basic principles in treating severely injured patients in traffic accidents] Goloborod'ko NK, et al. **Ortop Travmatol Protez** 1981 Aug;(8):1–6 **(Rus)**

[What is meant by the term 'primary surgical debridement of wounds'?] Kuz'min KP. **Ortop Travmatol Protez** 1982 Jan;(1):65–8 **(Rus)**

[Traumatology at a county hospital] Skau T, et al. **Lakartidningen** 1982 Apr 21;79(16):1576–80 **(Swe)**

THERAPY

The role of fat in nutrition of the injured patient. Liljedahl SO. **Acta Chir Scand [Suppl]** 1981;507:238–46

Evaluation of glucocorticoids during resuscitation of injured patients. Shah DM, et al. **Adv Shock Res** 1979;2:31–41

Wound healing. Riley WB Jr. **Am Fam Physician** 1981 Nov; 24(5):107–13

Initial hospital care of the multitraumatized patient. Ebskov B. **Ann Chir Gynaecol** 1981;70(5):233–6

Field triage of trauma patients [editorial] Champion HR. **Ann Emerg Med** 1982 Mar;11(3):160–1

Resuscitation and transfer of trauma patients: a prospective study. Hicks TC, et al. **Ann Emerg Med** 1982 Jun; 11(6):296–9

Vietnam in context. McNabney WK. **Ann Emerg Med** 1981 Dec;10(12):659–61

Adhesive wound irrigation device [letter] Strange FG. **Ann R Coll Surg Engl** 1982 May;64(3):202–3

Validation of autopsy method for evaluating trauma care. West JG. **Arch Surg** 1982 Aug;117(8):1033–5

Initial management of the multiple trauma patient. Edlich RF, et al. **Compr Ther** 1981 Sep;7(9):31–48

Care of open wounds. Stuzin J, et al. **Compr Ther** 1982 Feb; 8(2):32–4

What materials for dressings? Lawrence JC. **Injury** 1982 May; 13(6):500–12 (109 ref.)

Protein sparing and protein replacement in acutely injured patients during TPN with and without amino acid supply. Iapichino G, et al. **Intensive Care Med** 1982 Jan;8(1):25–31

Trauma: what's new and over the horizon. Mattox KL. **J Arkansas Med Soc** 1982 Apr;78(11):453–4

Metabolic and immune effects of arginine in postinjury hyperalimentation. Barbul A, et al. **J Trauma** 1981 Nov; 21(11):970–4

Little signs of life and other disclaimers--editorial responsibility [letter] Trinkle JK. **J Trauma** 1982 Mar; 22(3):255

Choice of fluids for resuscitation in trauma. Mendelson JA. **Milit Med** 1981 Oct;146(10):677–81

Polytrauma: the patient, the family, the nurse, and the health team. Pashley J, et al. **Nurs Clin North Am** 1981 Dec; 16(4):721–7

Why skip the general practitioner? [letter] Bonham RJ. **NZ Med J** 1981 Nov 11;94(695):359

A helpful mixture for the rapid closure of small granulating wounds [letter] Dunaif CB. **Plast Reconstr Surg** 1982 Feb; 69(2):376–7

Alcohol abuse: its implications in trauma care. Maull KI. **South Med J** 1982 Jul;75(7):794–8

Nutrition in trauma and burns. Kudsk KA, et al. **Surg Clin North Am** 1982 Feb;62(1):183–92

Initial assessment and resuscitation. Levison M, et al. **Surg Clin North Am** 1982 Feb;62(1):9–16

Overview of trauma. Trunkey DD. **Surg Clin North Am** 1982 Feb;62(1):3–7

Anesthesia for major trauma. Weiskopf RB, et al. **Surg Clin North Am** 1982 Feb;62(1):31–45

[Treatment of severe trauma: a report of 106 cases (author's transl)] Xing SL. **Chung Hua Wai Ko Tsa Chih** 1981 Jul; 19(7):423–5 (Eng. Abstr.) **(Chi)**

[Care of the injured in the hospital. Medico-legal documents furnished them. Transmitting care information] Arcadio F. **Acta Med Leg Soc (Liege)** 1979;29(1):49–55 **(Fre)**

[Massive blood transfusion in 50 seriously injured patients. Occurrence of pulmonary oedema (author's transl)] Guittard P, et al. **Anesth Analg (Paris)** 1982;38(11–12):685–8 (Eng. Abstr.) **(Fre)**

[Polytraumas] Favre R. **Chirurgie** 1981 Feb;107(2):181–2 **(Fre)**

[Traumatology in the tropics] Bourrel P. **Med Trop (Mars)** 1982 Mar–Apr;42(2):123–8 **(Fre)**

[Treatment by plants of injuries caused by marine animals in New Caledonia. An approach of the indigenous treatment (author's transl)] Bourret D, et al. **Med Trop (Mars)** 1982 Mar–Apr;42(2):203–7 (Eng. Abstr.) **(Fre)**

[Application of Opsite at donor sites, burns and postoperative wounds (author's transl)] Cavlak Y. **Aktuel Traumatol** 1980 Dec;10(6):311–6 (Eng. Abstr.) **(Ger)**

[Treatment of typical every-day wounds, burns and leg ulcers in medical practice] **Fortschr Med** 1982 Jul 1; 100(25):1210–1 **(Ger)**

[Prognosis in emergency patients. Conclusions drawn from the death of emergency patients with regard to improved emergency care] Sefrin P, et al. **Lebensversicherungsmedizin** 1981 Mar 26;33(3):66–9 (Eng. Abstr.) **(Ger)**

[Classification of osteosynthesis of diaphyseal fractures of the lower extremity in the treatment of polytraumatized patients] Fischer W, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 1;75(3):119–23 **(Ger)**

[Modern treatment of wounds in general medical and ambulatory surgical practice] Senst W, et al. **Z Arztl Fortbild (Jena)** 1981 May 1;75(9):401–4 **(Ger)**

[Problems of analysing accident victims treated by general practitioners] Böhm H, et al. **Z Gesamte Hyg** 1981; 27(5):385–6 (Eng. Abstr.) **(Ger)**

[Primary care of the traumatized patient] Naber M, et al. **ZFA (Stuttgart)** 1981 Apr 30;57(12):948–56 **(Ger)**

[Total parenteral alimentation in orthopedics and traumatology] Melis GC, et al. **Chir Organi Mov** 1979 Mar–Apr;63(2):177–86 **(Ita)**

[Neurohormonal and metabolic regulation of the critical patient] **Minerva Dietol Gastroenterol** 1981 Apr–Jun; 27(2):165–221 **(Ita)**

[Cold injuries in children. Experiences of the earthquake of November 1980 (author's transl)] Risolo E, et al. **Pediatria (Napoli)** 1982 Mar 31;90(1):45–51 (Eng. Abstr.) **(Ita)**

[Wound treatment] Traaholt L, et al. **Tidsskr Nor Laegeforen** 1981 Jun 10;101(16):1007–9 (Eng. Abstr.) **(Nor)**

[Treatment characteristics of combined and multiple injuries in rural areas] Berdyev T. **Ortop Travmatol Protez** 1981 Nov;(11):13–7 (Eng. Abstr.) **(Rus)**

[Use of erythrocytes preserved by ultrafast freezing with trauma and orthopedic patients] Fedorova LI, et al. **Ortop Travmatol Protez** 1981 Apr;(4):71–4 (Eng. Abstr.) **(Rus)**

[Current aspects of rendering care and treatment to the victims of multiple and combined injuries before the hospital stage] Gur'ev VN, et al.

Ortop Travmatol Protez 1981 Apr;(4):10–2 (Eng. Abstr.) **(Rus)**
[Treatment of victims of traffic accidents at the stage before hospital care] Imamaliev AS, et al.
Ortop Travmatol Protez 1981 Jul;(7):1–5 (Eng. Abstr.) **(Rus)**
[Combined analgesia in multiple trauma patients] Kaplan AV, et al. **Ortop Travmatol Protez** 1981 Nov;(11):8–12 **(Rus)**
[Ambulatory polyclinic care for orthopedic injury patients in the 10th Five-Year Plan and tasks for its improvement] Volkov MV, et al. **Ortop Travmatol Protez** 1981 Jan;(1):4–9 (Eng. Abstr.) **(Rus)**
[Medical services for the disabled and veterans of war] Zelinskiĭ AN. **Vrach Delo** 1982 May;(5):6–9 **(Rus)**
[Severe multiple injuries due to a traffic accident treated according to the principle of staged intervention] Vukićević P, et al. **Srp Arh Celok Lek** 1980 Nov; 108(11):1185–9 (Eng. Abstr.) **(Scc)**
[Polytraumatism in child patients (review of the results of treatment over a ten-year period) (author's transl)] Bralić D, et al. **Ljec Vjesn** 1981 June;103(6):268–71 (Eng. Abstr.) **(Scr)**
[Multiple injuries treated at hospital with a type I clinic] Vanko D, et al. **Rozhl Chir** 1981 Aug;60(8):542–6 (Eng. Abstr.) **(Slo)**

VETERINARY

Basic physiology of wound healing in the horse. Silver IA. **Equine Vet J** 1982 Jan;14(1):7–15
Emergency surgery: the patient versus the disease. Knecht CD. **J Am Vet Med Assoc** 1981 Dec 15;179(12):1372–5
Repair of shell damage in tortoises. Rosskopf WJ Jr, et al. **Mod Vet Pract** 1981 Dec;62(12):938–9
Triage for the traumatized animal. Silverman BS. **Mod Vet Pract** 1981 Nov;62(11):873–4

WOUNDS, GUNSHOT

Why wound ballistics? Panel discussion. **Acta Chir Scand [Suppl]** 1982;508:373–86
Penetration and perforation of skin by bullets and missiles. A review of the literature. DiMaio VJ. **Am J Forensic Med Pathol** 1981 Jun;2(2):107–10
Exploding bullets. A hazard to the victim, physician, and investigator [editorial] Eckert WG. **Am J Forensic Med Pathol** 1981 Jun;2(2):103–4
Preparation of gelatin blocks containing tissue samples for use in ballistics research. Lewis RH, et al. **Am J Forensic Med Pathol** 1982 Jun;3(2):181–4
'Dr. O'Leary, how is the president?' [interview by Milton Korcok] O'Leary D. **Can Med Assoc J** 1981 Sep 15; 125(6):643, 647–9, 653
Suicide with two guns fired simultaneously [letter] Hudson P. **J Forensic Sci** 1982 Jan;27(1):6–7
Shotgun pellet embolization from the chest to the middle cerebral arteries. Alsofrom DJ, et al. **J Trauma** 1982 Feb; 22(2):155–7
Post-traumatic pseudoaneurysm of the internal maxillary artery. D'Orta JA, et al. **J Trauma** 1982 Feb;22(2):161–4
A group of shootings. Lee KA. **Med Sci Law** 1981 Jul; 21(3):201
Bilateral ureteral injury secondary to single, low velocity gunshot wound. Kirchner FK Jr, et al. **Urology** 1981 Sep; 18(3):282–3
[The face and assault rifles (author's transl)] Pons J. **Chirurgie** 1981;107(8):639–43 (Eng. Abstr.) **(Fre)**
[Contribution to the danger of 'free' 4 mm arms, demonstrating a fatal gunshot wound] Weiler G, et al. **Arch Kriminol** 1981 Nov-Dec;168(5–6):161–4 **(Ger)**

BLOOD

Early local and systemic fibrinolytic response to high energy missile trauma. Almskog B, et al. **Acta Chir Scand [Suppl]** 1982;508:327–36
Changes in serum phosphate and erythrocyte 2,3-diphosphoglycerate after missile injury of the limb. Lovén L, et al. **Acta Chir Scand [Suppl]** 1982;508:261–3

COMPLICATIONS

LOcal effects of antibacterial therapy (benzyl-penicillin) on missile wound infection rate and tissue devitalization when debridement is delayed for twelve hours. Dahlgren B, et al. **Acta Chir Scand [Suppl]** 1982;508:271–9
The contamination of missile wounds with special reference to early antimicrobial therapy. Tikka S. **Acta Chir Scand [Suppl]** 1982;508:281–7
Bullets. A source of infection? Tzeng S, et al. **Am Surg** 1982 May;48(5):239–40
Causalgia of vascular etiology following an abdominal injury. Szeinfeld M, et al. **Anesthesiology** 1982 Jul;57(1):46–7
Experience with civilian vascular injuries in eastern Nigeria. Anyanwu CH, et al. **Angiology** 1982 Feb;33(2):90–7
Lead poisoning after a shotgun femoral fracture. Alho A, et al. **Ann Chir Gynaecol** 1982;71(2):130–2
Lead poisoning from retained bullets. Pathogenesis, diagnosis, and management. Linden MA, et al. **Ann Surg** 1982 Mar; 195(3):305–13
Ureteric colic due to migrating shotgun pellet. Gawande AS, et al. **Br J Urol** 1982 Apr;54(2):191
Intrahepatic-cutaneous biliary fistulas secondary to trauma. Samhouri F, et al. **Henry Ford Hosp Med J** 1980;28(1):63–6
Squamous cell carcinoma following gunshot wounds: a rare late complication. Pusey RJ. **Injury** 1981 May; 12(6):499–500
Acute lead intoxication from a bullet in an intervertebral disc space. A case report. Grogan DP, et al. **J Bone Joint Surg [Am]** 1981 Sep;63A(7):1180–2
Nonrecurrence of cephalothin-associated granulocytopenia and thrombocytopenia. Naraqi S, et al. **J Infect Dis** 1982 Feb;145(2):281
Spontaneous migration of an intracranial bullet to the cervical spinal canal causing Lhermitte's sign. Case report. Arasil E, et al. **J Neurosurg** 1982 Jan;56(1):158–9
Atypical Brown-Sequard syndrome following gunshot wound to the face. Saxon M, et al. **J Oral Maxillofac Surg** 1982 May;40(5):299–302
Nonoperative management of a traumatic peroneal artery false aneurysm. Edwards H, et al. **J Trauma** 1982 Apr; 22(4):323–6
A bullet in the appendix. Meyer J, et al. **J Trauma** 1982 May; 22(5):424–5
Traumatic rupture of the diaphragm. Williams RS. **Med J Aust** 1982 Mar 6;1(5):208–11
Traumatic fistula between the right pulmonary artery and the left atrium. Young TE, et al. **Minn Med** 1982 Apr; 65(4):227–9
Systemic bullet embolism. McQuaide JR, et al. **S Afr J Surg** 1981 Jun;19(2):145–9
[Treatment of Firearm osteomyelitis of lower extremity with gastrocnemius myocutaneous flap (author's transl)] Zhu SX. **Chung Hua Wai Ko Tsa Chih** 1981 Sep;19(9):571–2 (Eng. Abstr.) **(Chi)**
[Glioblastoma multiforme developing after a gunshot injury of the brain (author's transl)] Witzmann A, et al. **Neurochirurgia (Stuttg)** 1981 Nov;24(6):202–6 (Eng. Abstr.) **(Ger)**
[Skeletal lesions caused by gunshot wounds: analysis of the damage as related to to the risk of infection] Rubinacci A, et al. **Chir Organ Mov** 1980 Jul-Aug;66(4):505–10 **(Ita)**
[A case of craniocerebral gunshot injury associated with intracerebral hematoma in an infant (author's transl)] Kasai N, et al. **No Shinkei Geka** 1982 Apr;10(4):415–20 **(Jpn)**
[Ischemic heart disease in a patient having experienced a blind fragmentation wound of the heart] Semenko IF, et al. **Klin Med (Mosk)** 1981;59(7):109–11 **(Rus)**
[Arteriovenous aneurysm of the abdominal cavity following a blind shrapnel wound in World War II] Shchul'tsev GP, et al. **Klin Med (Mosk)** 1982 Apr;60(4):94–5 **(Rus)**
[Clinical manifestations of long-term sequelae of war contusions, wounds, and diseases] Shul'tsev GP. **Klin Med (Mosk)** 1981 Sep;59(9):59–62 **(Rus)**
[Treatment of the sequelae of diaphyseal and metaphyseal gunshot fractures of the humerus] Pecherskiĭ AG, et al. **Ortop Travmatol Protez** 1981 Jul;(7):14–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Intramural haemorrhage of the intestine as an indirect effect of abdominal missile trauma – classification and prognosis. Johansson L, et al. **Acta Chir Scand [Suppl]** 1982;508:175–7
Estimation of the extent of high velocity missile wounds in soft tissue with ultrasonography – an experimental study with special reference to the detection of x-ray negative foreign bodies. Kuusela T, et al. **Acta Chir Scand [Suppl]** 1982;508:251–5
Shrapnel presenting with symptoms 62 years after wounding [letter] Molhant G. **Br Med J [Clin Res]** 1982 Jan 16; 284(6310):197
Axillary artery injuries: importance of early recognition. Criado FJ, et al. **Injury** 1981 May;12(6):491–4
Shotgun diagnosis: 'it ought to be something else'. Froede RC, et al. **J Forensic Sci** 1982 Apr;27(2):428–32
Handgun pellet ammunition ('snake shot') wounds: report of three cases. Leffers B, et al. **J Forensic Sci** 1982 Apr; 27(2):433–7
Application of proton-induced X-ray emission technique to gunshot residue analyses. Sen P, et al. **J Forensic Sci** 1982 Apr;27(2):330–9
Ultrasonic appearance of lead shotgun pellets in liver [letter] Amazeen PG, et al. **JCU** 1981 Nov-Dec;9(9):A31–2
The value of firearms examination for the defence. McCafferty J. **Med Sci Law** 1981 Jul;21(3):170–4
Missile injuries of brain. Bakay L. **NY State J Med** 1982 Mar;82(3):313–9
[Diagnosis of mechanical injuries similar to bullet wounds] Kovbasin VF. **Sud Med Ekspert** 1981 Oct-Dec;24(4):20–1 **(Rus)**
[Evaluation of the degree of injury to anatomical structures in gunshot fractures and their classification] Jovanovic Z. **Vojnosanit Pregl** 1982 Jan-Feb;39(1):3–5 **(Scr)**

ETIOLOGY

An expanding .25 ACP bullet. Steindler RA. **Am J Forensic Med Pathol** 1982 Jun;3(2):119–21
Tempered plate glass as an intermediate target and its effects on gunshot wound characteristics. Dixon DS. **J Forensic Sci** 1982 Jan;27(1):205–8
Serious air rifle injuries in children. Blocker S, et al. **Pediatrics** 1982 Jun;69(6):751–4
[Ocular lesions caused by gunshots. An analysis of the circumstances of accidents] Naeser K. **Ugeskr Laeger** 1981 Nov 23;143(48):3228–9 (Eng. Abstr.) **(Dan)**
[Ophthalmologic and medicolegal evaluation of hunting accidents involving the eye: apropos of 40 cases] Gibert C, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):791–5 (Eng. Abstr.) **(Fre)**

HISTORY

The classic. Gunshot wounds and other injuries of nerves by S. Weir Mitchell, M.D., George R. Morehouse, M.D., and William W. Keen, M.D. Mitchell SW, et al. **Clin Orthop** 1982 Mar;(163):2–7
The wounding and treatment of William of Orange in 1582. Pollitt R. **J Hist Med Allied Sci** 1982 Apr;37(2):135–58
Tracking by telephone: locating the bullet in President Garfield, 1881. Roth N. **Med Instrum** 1981 May-Jun; 15(3):190
Remarks on the gunshot wounds of the Civil War by Robert F. Weir. New York State Journal of Medicine April, 1904. Weir RF. **NY State J Med** 1982 Mar;82(3):391–3

IMMUNOLOGY

Post-traumatic respiratory failure after high velocity missile injury of the lamb in anaesthetized pigs. Jansson I, et al. **Acta Chir Scand [Suppl]** 1982;508:345–9

METABOLISM

Leucine incorporation into skeletal muscle proteins in vitro and protein synthesis by isolated ribosomes from skeletal muscle around a high velocity missile injury. Hasselgren PO, et al. **Acta Chir Scand [Suppl]** 1982;508:337–44
Systemic metabolic effects observed in muscle tissue after high energy missile trauma. Larsson J, et al. **Acta Chir Scand [Suppl]** 1982;508:323–6
Local metabolic changes in skeletal muscle following high-energy missile injury. Almskog BA, et al. **J Trauma** 1982 May;22(5):382–7

MICROBIOLOGY

Bacteriological findings in the first 12 hours following experimental missile trauma. Dahlgren B, et al. **Acta Chir Scand** 1981;147(7):513–8
Effects of saline irrigation on bacterial populations in the abdomen subjected to missile trauma. Nyström PO, et al. **Acta Chir Scand [Suppl]** 1982;508:289–93
Primary bacterial contamination of wound track. Tian HM, et al. **Acta Chir Scand [Suppl]** 1982;508:265–9

MORTALITY

Morbidity and mortality in hepatic trauma. A 5 year study. Carmona RH, et al. **Am J Surg** 1982 Jul;144(1):88–94
Police officers killed and the guns used by criminals. Lester D. **Psychol Rep** 1982 Jun;50(3 Pt 2):1206

PATHOLOGY

Proceedings of the fourth/Symposium on Wound Ballistics. **Acta Chir Scand [Suppl]** 1982;508:1–386
A proposed standard methodology for estimating the wounding capacity of small calibre projectiles or other missiles. Berlin RH, et al. **Acta Chir Scand [Suppl]** 1982; 508:11–28
An analysis of fatal and non-fatal head wounds incurred during combat in Vietnam by U.S. forces. Carey ME, et al. **Acta Chir Scand [Suppl]** 1982;508:351–6
Experimental study of limb lesions due to hunting weapons. Coudane H, et al. **Acta Chir Scand [Suppl]** 1982;508:229–34
Optical spectroscopy on damaged muscle tissue in vivo by incident light and in slides of the same areas by transmitted light. Hagelin KW, et al. **Acta Chir Scand [Suppl]** 1982; 508:245–9
Optical properties of muscle tissue in high-energy missile wounds. II. Determination of reflectance at different wavelengths and at different distances from wound channels. Hagelin KW, et al. **Acta Chir Scand [Suppl]** 1982; 508:235–43
Edge, size and temperature effects in soft soap block simulant targets used for wound ballistic studies. Janzon B. **Acta Chir Scand [Suppl]** 1982;508:105–22
Soft soap as a tissue simulant medium for wound ballistic studies investigated by comparative firings with assault rifles Ak 4 and M16A1 into live, anesthetized animals. Janzon B. **Acta Chir Scand [Suppl]** 1982;508:79–88
Wounding effects of two types of bullets on soft tissue of dogs. Liu YQ, et al. **Acta Chir Scand [Suppl]** 1982; 508:211–21
Mechanisms of development of shot wounds caused by missiles of different initial velocity. Orlowski T, et al. **Acta Chir Scand [Suppl]** 1982;508:123–7
Fracture typing to human bone by assault missile trauma. Robens W, et al. **Acta Chir Scand [Suppl]** 1982;508:223–7
A method for predicting effects of military rifles. Šćepanović D, et al. **Acta Chir Scand [Suppl]** 1982;508:29–37
Effects of small calibre arms projectiles in soap. Šćepanović D, et al. **Acta Chir Scand [Suppl]** 1982;508:49–60
Wound ballistic modelling. Sperrazza J. **Acta Chir Scand [Suppl]** 1982;508:9–10
Local effects of three standard assault rifle projectiles in live tissue. Tikka S, et al. **Acta Chir Scand [Suppl]** 1982; 508:61–77
The behaviour of three standard small calibre projectiles in soap blocks. Tikka S, et al. **Acta Chir Scand [Suppl]** 1982;

508:89–104
Pathomorphological observations of gunshot wounds. Wang ZG, et al. **Acta Chir Scand [Suppl]** 1982;508:185–95
Pathological changes of gunshot wounds at various intervals after wounding. Wang ZG, et al.
Acta Chir Scand [Suppl] 1982;508:197–210
Assessment of terminal effects of high velocity projectiles using tissue simulants. Watkins FP, et al.
Acta Chir Scand [Suppl] 1982;508:39–47
Homicide by exploder ammunition. Amatuzio JC, et al.
Am J Forensic Med Pathol 1981 Jun;2(2):111–3
Russian roulette with an exploding bullet. A case report. Clark MA, et al. **Am J Forensic Med Pathol** 1981 Jun; 2(2):167–9
Multishot firearm suicide. Examination of 58 cases. Hudson P. **Am J Forensic Med Pathol** 1981 Sep;2(3):239–42
Fine-structure studies of experimental skeletal muscle trauma. Paddle BM, et al. **Br J Exp Pathol** 1981 Dec; 62(6):571–82
Characteristics of shored exit wounds. Dixon DS.
J Forensic Sci 1981 Oct;26(4):691–8
Rebirth of exploding ammunition--a report of six human fatalities. Tate LG, et al. **J Forensic Sci** 1981 Oct; 26(4):636–44
Fatal .45–70 rifle wounding of a policeman wearing a bulletproof vest. Thomas GE. **J Forensic Sci** 1982 Apr; 27(2):445–9
Histopathologic study of traumatic corneal endothelial rings. Wittpenn JR Jr, et al. **Md State Med J** 1982 Jun;31(6):43–5
Foreign body in the right condyle area. Report of a case. Beasley WR. **Oral Surg** 1981 Sep;52(3):241–3
[Alleged and real signs of contact gunshot wounds of entrance holes of skull bones (author's transl)] Berg S, et al. **Z Rechtsmed** 1982;88(1–2):103–11 (Eng. Abstr.) **(Ger)**
[Grazing gun shot wounds (author's transl)] Weber W. **Z Rechtsmed** 1981;87(1–2):35–40 (Eng. Abstr.) **(Ger)**
[Maxillofacial lesions in a suicide attempt with a firearm] Panzoni E, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):83–9 (Eng. Abstr.) **(Ita)**
[Semithin-section method in the morphological study of the healing of gunshot wounds] Grigor'ev VV, et al.
Biull Eksp Biol Med 1982 May;93(5):113–6 **(Rus)**
[Gunshot injuries to the hairs] Barsegiants LO, et al.
Sud Med Ekspert 1981 Oct–Dec;24(4):34–5 **(Rus)**
[Possibility of defining specifically the close distance of a shot from the 5.45-mm AKA–74 submachine gun] Kupov IIa, et al. **Sud Med Ekspert** 1981 Jul–Aug;24(3):15–6 **(Rus)**
[Characteristics of the traces of a close shot from an RPK–74 Kalashnikov light 5.45 mm caliber machinegun] Marchenko MI, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):22–3 (Eng. Abstr.) **(Rus)**
[Rare case of an atypical gunshot wound] Molin IuA.
Sud Med Ekspert 1981 Oct–Dec;24(4):55–7 **(Rus)**
[Traumatic occlusion of the pulmonary artery] Bisenkov LN, et al. **Vestn Khir** 1982 Mar;128(3):115–6 **(Rus)**
[Combined gunshot wound of the orbit, ethmoidal labyrinth and sphenoid sinus] Tsetsarskii BM, et al.
Vestn Otorinolaringol 1982 Mar–Apr;(2):67 **(Rus)**

PHYSIOPATHOLOGY

Microcirculatory and biochemical studies of skeletal muscle tissue after high energy missile trauma. Holmström A, et al. **Acta Chir Scand [Suppl]** 1982;508:257–9
Effect of missile velocity on the pathophysiology of injuries. Orlowski T, et al. **Acta Chir Scand [Suppl]** 1982;508.315–21
Is the missile wound a model suitable for general trauma studies? Schantz B. **Acta Chir Scand [Suppl]** 1982; 508:159–66
Remote effects of pressure waves in missile trauma. The intra-abdominal pressure changes in anesthetized pigs wounded in one thigh. Tikka S, et al.
Acta Chir Scand [Suppl] 1982;508:167–73
Eradicating handgun violence [letter] Levin R.
West J Med 1981 Sep;135(3):243

PREVENTION & CONTROL

Handguns and children: a dangerous mix. Rivara FP, et al. **JDBP** 1982 Mar;3(1):35–8

RADIOGRAPHY

New aluminum-jacketed ammunition: the case of the 'invisible' jacket. Conradi SE.
Am J Forensic Med Pathol 1982 Jun;3(2):153–5
Computerized tomography in diagnosis of bullet cervical injuries. Report of two cases. Patricolo A, et al.
J Neurosurg Sci 1981 Jul–Dec;25(3–4):131–14
Angiography in the diagnosis and management of maxillofacial missile wounds. Sydlar GC, et al.
J Oral Surg 1981 Oct;39(10):786–91
Gunshot wound of the head: a fortunate outcome. Hunter WH. **J SC Med Assoc** 1981 Sep;77(9):447–8
Pneumocephalus after air rifle wound of the brain. Vaquero J, et al. **Neuroradiology** 1982;23(3):161–2
[Roentgen manifestation of penetrating gunshot injuries of the head (analysis of 116 cases) (author's transl)] Qin ZM. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Nov;15(4):290–3 **(Chi)**
[Computed tomography of the head in gunshot wounds. Thirty-three cases (author's transl)] Sichez JP, et al.
Sem Hop Paris 1982 Mar 25;58(12):715–7 (Eng. Abstr.) **(Fre)**

[The value of angiography after shooting injuries (author's transl)] Pirker E, et al. **ROFO** 1982 May;136(5):567–72 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Medical rehabilitation of patients with sequelae of war injuries of the nervous system] Livshits LIa, et al.
Sov Med 1981;(11):89–92 **(Rus)**

SURGERY

Drainage of the abdominal cavity after abdominal missile trauma – a comparison of intestinal damage of three evacuation systems. Johansson L, et al.
Acta Chir Scand [Suppl] 1982;508:371–2
Traumatic colonic perforation. Review of 16 years' experience. Wiener I, et al. **Am J Surg** 1981 Dec; 142(6):717–20
A decade of missile-induced vascular trauma. D'Sa AA.
Ann R Coll Surg Engl 1982 Jan;64(1):37–44
External fixation: option for fractures. Hay BK, et al.
AORN J 1981 Sep;34(3):417–23
One-stage reconstruction of a massive gun-shot wound of the lower face with a local compound osteo-musculocutaneous flap. Landra AP.
Br J Plast Surg 1981 Oct;34(4):395–7
Explosive bullets: a new hazard for doctors [editorial] Knight B. **Br Med J [Clin Res]** 1982 Mar 13;284(6318):768–9
The surgical treatment of gunshot wounds to peripheral arteries. DeKraay W. **Coll Works Cardiopulm Dis** 1982 May:23:122–6
Surgical treatment of gunshot injuries of long bones, complicated by delayed union and non-union. Kamalov K. **Ethiop Med J** 1981 Oct;19(4):145–7
Vertebral artery injury: case report and review of operative approaches. Stapleford RG, et al.
Henry Ford Hosp Med J 1981;29(3):148–52
Surgical management of duodenal injury. Abu-Dalu K, et al. **Int Surg** 1981 Apr–Jun;66(2):171–3
Abdominal gunshot wounds. A review from low volume trauma centers. Bosiljevac JE, et al. **J Kans Med Soc** 1981 Dec;82(12):554–8
Neoglottic reconstruction for extreme laryngeal trauma. Sawyer R, et al. **J Otolaryngol** 1981 Oct;10(5):380–2
Bullet wounds of the trachea. Symbas PN, et al.
J Thorac Cardiovasc Surg 1982 Feb;83(2):235–8
Missile embolus to the lung associated with a carotid-jugular arteriovenous fistula. Meier DE, et al. **J Trauma** 1981 Dec; 21(12):1048–9
The enigmatic gunshot wound: a report of two cases. Farquharson RR, et al. **Md State Med J** 1982 May; 31(5):61–2
Penetrating injuries of chest. Stab and gunshot wounds. Mehta DR. **NY State J Med** 1982 Mar;82(3):309–11
Unusual gunshot wound resolved by standard apicoectomy procedure. Herten-Greaven CW. **Oral Surg** 1982 Mar; 53(3):327
Complex cardiac wounds: report of 13 cases. Olearchyk AS. **Penn Med** 1982 Mar;85(3):30–4
Options in management of trauma to the esophagus. Cheadle W, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):380–4
[Early management of firearm injury of the spine complicated with paraplegia (author's transl)] Wang XL.
Chung Hua Wai Ko Tsa Chih 1982 Mar;20(3):178–9 (Eng. Abstr.) **(Chi)**
[Report of several cases with specific cranio-cerebral missile injuries (author's transl)] Yi ZC.
Chung Hua Wai Ko Tsa Chih 19[illegible] Dec;19(12):750–1 (Eng. Abstr.) **(Chi)**
[Air-rifle shot injuries in the otolaryngologic region] Krisch A, et al. **Z Arztl Fortbild (Jena)** 1981 Sep 1;75(17):809–10 **(Ger)**
[Gunshot wound of the abdominal aorta with aortocaval shunt] Ganzoni N. **Z Unfallmed Berufskr** 1982;75(1):13–5 **(Ger)**
[A case of bronchial foreign body (bullet) which required left upper lobectomy (author's transl)] Nakano M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Aug; 19(8):587–90 (Eng. Abstr.) **(Jpn)**
[Wounds of the abdominal cavity and retroperitoneal space] Skripnichenko DF, et al. **Klin Khir** 1982 Apr;(4):26–8 **(Rus)**
[Treatment of open and gunshot diaphyseal fractures of the bones of the leg] Trubnikov VF, et al.
Ortop Travmatol Protez 1982 Apr;(4):5–8 **(Rus)**
[Modern views on the treatment of open and gunshot fractures] Apanasenko BG, et al. **Vestn Khir** 1981 Aug; 127(8):114–6 (27 ref.) **(Rus)**
[Surgical procedure at different stages of the development of a traumatic aneurysm] Ratner GL, et al. **Vestn Khir** 1982 May;128(5):64–8 (Eng. Abstr.) **(Rus)**
[Gunshot wounds of the ureters] Gekhman BS.
Voen Med Zh 1982 Apr;(4):53–5 **(Rus)**
[Surgical treatment of gunshot wounds] Kolesnikov AI.
Voen Med Zh 1982 Apr;(4):21–3 **(Rus)**

THERAPY

Therapeutic aspects of limb lesions due to hunting weapons: a study of twenty cases. Coudane H, et al.
Acta Chir Scand [Suppl] 1982;508:357–69
Transcatheter treatment of injuries to the profunda femoris artery. Sclafani SJ, et al. **AJR** 1982 Mar;138(3):463–6
The management of gunshot fractures of the extremities. Parisien JS. **Bull Hosp Joint Dis** 1981;41:28–36
Bullet wounds of the mandible in civil practice. Vaillant JM, et al. **Int J Oral Surg** 1981;10(Suppl 1):255–9
Gunshot and bomb blast injuries: a review of experience in Belfast. Roy D. **J R Soc Med** 1982 Jul;75(7):542–5
Airgun pellet injuries in children. Hutchinson GH.
Practitioner 1981 Jul;225(1357):1058–60
High-velocity missile injuries of the thorax. Nicolaou N, et al. **S Afr Med J** 1982 Aug 28;62(10):324–8
Management of transmediastinal gunshot wounds.
Richardson JD, et al. **Surgery** 1981 Oct;90(4):671–6
[Electric stimulation of bone regeneration in the treatment of gunshot fractures] Rutskii VV, et al.
Ortop Travmatol Protez 1981 Oct;(10):8–11 (Eng. Abstr.) **(Rus)**
[Gunshot wounds of the hand and fingers in peacetime] Gostev VS. **Vestn Khir** 1982 Mar;128(3):106–10 **(Rus)**
[Prolonged peridural anesthesia as a component of the intensive treatment of patients with injuries of the abdominal organs] Shanin SS. **Vestn Khir** 1982 Apr; 128(4):119–21 **(Rus)**
[Importance of peritoneal perfusion in preventing and treating peritonitis in penetrating gunshot wounds of the abdomen] Zakurdaev VE. **Vestn Khir** 1982 May; 128(5):68–71 **(Rus)**
[Care of gunshot fractures at the company level in wartime] Jovanović Z, et al. **Vojnosanit Pregl** 1982 May–Jun; 39(3):201–4 **(Scr)**

WOUNDS, NONPENETRATING

Blunt injury of the abdominal aorta. Lassonde J, et al.
Ann Surg 1981 Dec;194(6):745–8
Blunt renal trauma in the pediatric patient. Mandour WA, et al. **J Pediatr Surg** 1981 Oct;16(5):669–76
Experimental joint trauma: synovial response to blunt trauma and inflammatory reaction to intraarticular injection of fat. Weinberger A, et al. **J Rheumatol** 1981 May–Jun;8(3):380–9
[Nonpenetrating thoracic injury – myocardial contusion. Report of 2 cases] Albanesi Filho FM, et al.
Arq Bras Cardiol 1981 May;36(5):353–6 (Eng. Abstr.) **(Por)**
[Experimental modeling of a measured amount of closed trauma to the heart] Slabyĭ BG. **Patol Fiziol Eksp Ter** 1981 Sep–Oct;(5):68–9 **(Rus)**
[Complete AV block caused by a closed heart injury] Arriagada M, et al. **Rev Med Chil** 1981 Aug;109(8):746–51 (Eng. Abstr.) **(Spa)**

BLOOD

Effects of blunt chest wall impact on the blood gases in the anaesthetized rabbit. Göransson AM, et al.
Acta Chir Scand [Suppl] 1982;508:153–8

CEREBROSPINAL FLUID

[Dynamics of cerebrospinal fluid changes in subarachnoid hemorrhage in closed craniocerebral injury] Starykh VS, et al. **Vrach Delo** 1981 Jul;(7):70–2 **(Rus)**

CLASSIFICATION

Blunt force lesions related to the heights of a fall. Gupta SM, et al. **Am J Forensic Med Pathol** 1982 Mar;3(1):35–43

COMPLICATIONS

Traumatic aneurysms of cavernous internal carotid artery with secondary epistaxis. Chambers EF, et al. **AJNR** 1981 Sep–Oct;2(5):405–9
Pedunculated right ventricular thrombus due to repeated blunt chest trauma. Kessler KM, et al. **Am Heart J** 1981 Dec;102(6 Pt 1):1064–6
Blunt trauma and liver abscess. Eng RH, et al.
Am J Gastroenterol 1981 Sep;76(3):252–5
Traumatic pigmentary retinopathy. Bastek JV, et al.
Am J Ophthalmol 1981 Nov;92(5):621–4
Pourfour Du Petit syndrome—hypersympathetic dysfunctional state following a direct non-penetrating injury to the cervical sympathetic chain and brachial plexus. Teeple E, et al. **Anesthesiology** 1981 Nov; 55(5):591–2
Unilateral morbus Purtscher with poor visual outcome. Teichmann KD, et al. **Ann Ophthalmol** 1981 Nov; 13(11):1295–9
The secondary management of complicated liver injuries. Lawrence D, et al. **Ann R Coll Surg Engl** 1982 May; 64(3):186–90
Anterior spinal artery syndrome with chronic traumatic aortic aneurysm. Conti VR, et al. **Ann Thorac Surg** 1982 Jan;33(1):81–5
Double disruption of an innominate artery secondary to blunt trauma. Thieman KC, et al. **Ann Thorac Surg** 1982 Mar; 33(3):285–9
Isolated first rib fracture: clinical significance after blunt chest trauma. Yee ES, et al. **Ann Thorac Surg** 1981 Sep; 32(3):278–83
Traumatic diaphragmatic hernia. Payne JH Jr, et al.
Arch Surg 1982 Jan;117(1):18–24
Perforation of the gallbladder due to blunt abdominal trauma. Wiener I, et al. **Arch Surg** 1982 Jun;117(6):805–7
Extracranial internal carotid artery dissections: noniatrogenic traumatic lesions. Zelenock GB, et al. **Arch Surg** 1982 Apr;

117(4):425–32

Blunt cardiac trauma – a cause of tamponade. Report of a case. Novoa R, et al. **Bol Asoc Med PR** 1981 Sep; 73(9):418–20

Anterior segment consequences of blunt ocular injury. Canavan YM, et al. **Br J Ophthalmol** 1982 Sep;66(9):549–55

Delayed rupture of stomach after blunt abdominal trauma. Lloyd RG. **Br Med J [Clin Res]** 1982 Jul 17;285(6336):176

Roentgenogram of the month. Esophageal displacement secondary to blunt chest trauma. Traumatic transection of the descending thoracic aorta. Brandt B 3d, et al. **Chest** 1982 Jan;81(1):99–100

Delayed myocardial rupture from blunt trauma: A case report. Del Santo PB, et al. **Conn Med** 1982 Mar; 46(3):135–7

Hepatic haematoma following blunt injury: non-operative management. Athey GN, et al. **Injury** 1982 Jan;13(4):302–6

Myocardial contusion in blunt chest trauma: a ten-year review. Macdonald RC, et al. **Intensive Care Med** 1981; 7(6):265–8

Closed head injuries of school-age children: neuropsychological sequelae in early adulthood. Gaidolfi E, et al. **Ital J Neurol Sci** 1980 Mar;1(2):65–73

Case report. Intramural hematoma of the cecum following blunt trauma. Jeffrey RB, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):404–5

The short-term outcome of severe blunt head injury as reported by relatives of the injured persons. McKinlay WW, et al. **J Neurol Neurosurg Psychiatry** 1981 Jun; 44(6):527–33

Neonatal death following in utero traumatic splenic rupture. Rothenberger DA, et al. **J Pediatr Surg** 1981 Oct; 16(5):754–5

Traumatic tracheoesophageal fistula [letter] Martyn JW. **J Thorac Cardiovasc Surg** 1982 May;83(5):790–1

Acute coronary artery occlusion secondary to blunt chest trauma. Pifarré R, et al. **J Thorac Cardiovasc Surg** 1982 Jan;83(1):122–5

Paralysis and aortic thrombosis following blunt abdominal trauma. Macbeth A, et al. **J Trauma** 1982 Jul;22(7):591–4

Delayed costocervical trunk aneurysm. Mintz S, et al. **J Trauma** 1982 Jun;22(6):519–20

Acute respiratory failure in severe blunt chest trauma. Pinilla JC. **J Trauma** 1982 Mar;22(3):221–6

Embolotherapy of a ruptured internal mammary artery secondary to blunt chest trauma. Smith DC, et al. **J Trauma** 1982 Apr;22(4):333–5

Response of the heart to nonpenetrating cardiac trauma. Stein PD, et al. **J Trauma** 1982 May;22(5):364–73

Ureteral entrapment injury in blunt pelvic trauma: a case report. Noakes JE, et al. **J Urol** 1982 Apr;127(4):764–5

Traumatic rupture of the diaphragm. Williams RS. **Med J Aust** 1982 Mar 6;1(5):208–11

Rupture of the diaphragm due to blunt trauma. Luiting MG, et al. **Neth J Surg** 1982 Mar;34(1):13–7

Blunt trauma and elevation of intraocular pressure. From the Section 8 Committee of the American Academy of Ophthalmology. **Ophthalmology (Rochester)** 1982 Jan; 89(1):41A

Subperiosteal hematomas of the orbit: angiographic and computed tomographic diagnosis. Seigel RS, et al. **Radiology** 1982 Jun;143(3):711–4

Blunt injury of the abdominal aorta. Wilkinson AE. **S Afr J Surg** 1981 Dec;19(4):245–9

Diaphragmatic rupture due to blunt abdominal trauma. de la Rocha AG, et al. **Surg Gynecol Obstet** 1982 Feb; 154(2):175–80

Glossopharyngeal neuralgia of traumatic origin. Waga S, et al. **Surg Neurol** 1982 Jan;17(1):77–9

Emergency surgical repair of massive mitral regurgitation due to ruptured chordae tendineae by blunt chest trauma. Araki J, et al. **Thorac Cardiovasc Surg** 1982 Feb;30(1):46–7

Traumatic chylothorax associated with subarachnoid–pleural fistula. Azambuja PC, et al. **Thorax** 1981 Sep;36(9):699–700

Tricuspid regurgitation caused by blunt chest trauma in association with pericardial agenesis: surgical correction after eight years. Fracasso A, et al. **Thorax** 1982 Jan; 37(1):75–6

Late respiratory sequelae of blunt chest injury: a preliminary report. Hanning CD, et al. **Thorax** 1981 Mar;36(3):204–7

[Traumatic thromboses of the cerebral arteries] Palkovič S, et al. **Rozhl Chir** 1982 Feb;61(2):84–6 (Eng. Abstr.) **(Cze)**

[Blunt chest injuries] Vyhnánek F. **Rozhl Chir** 1982 Jun; 61(6):425–31 (Eng. Abstr.) **(Cze)**

[Arterial circulation disorders of the hand using the hypothenar ridge as a hammer] Carol EJ, et al. **Ned Tijdschr Geneeskd** 1981 Sep 5;125(36):1444–50 (Eng. Abstr.) **(Dut)**

[Conservative surgical treatment of 2 cases of kidney rupture] Davillas N, et al. **Acta Urol Belg** 1981 Oct;49(4):404–10 **(Fre)**

[Blunt traumatic ruptures of the cardiac chambers. Review of the literature and report of a case of rupture of the right ventricle successfully treated (author's transl)] Le Treut YP, et al. **Ann Chir** 1981 Oct;35(8):573–9 (28 ref.) (Eng. Abstr.) **(Fre)**

[Right atrial rupture caused by closed chest injury] Teijeira FJ, et al. **Arch Mal Coeur** 1982 Jul;75(7):811–5 (Eng. Abstr.) **(Fre)**

[Complete avulsion of the ureter– a rare injury due to blunt abdominal trauma in children (author's transl)] Feller AM, et al. **Aktuel Traumatol** 1982 Jun;12(3):117–21 **(Ger)**

[Blunt abdominal trauma and choledochus rupture with choledochus concretions – problems of association] Huljic P, et al. **Chirurg** 1982 Mar;53(3):137–9 **(Ger)**

[The blunt chest injury and its lung, pleura and chest wall complications] Labitzke R, et al. **Med Welt** 1981 Sep 4; 32(36):1314–6 **(Ger)**

[Cerebral arterial occlusions following blunt trauma of head and neck (author's transl)] Krüger H, et al. **Nervenarzt** 1982 Feb;53(2):83–90 **(Ger)**

[Biphasic splenic rupture in a hemophilic child (author's transl)] Kaulfersch W, et al. **Padiatr Padol** 1981;16(4):465–7 (Eng. Abstr.) **(Ger)**

[The post-traumatic biliary cyst (author's transl)] Stellamor K, et al. **Rontgenblatter** 1982 Apr;35(4):155–7 (Eng. Abstr.) **(Ger)**

[Posttraumatic degeneration of the posterior interosseous nerve (author's transl)] Erbs G. **Unfallheilkunde** 1981 Nov; 84(11):476–9 (Eng. Abstr.) **(Ger)**

[Atrial septum defect and myocardial infarction due to blunt chest trauma – a case report (author's transl)] Bücking J, et al. **Z Kardiol** 1981 Aug;70(8):600–2 (Eng. Abstr.) **(Ger)**

[The traumatic subarachnoidal hemorrhage (author's transl)] Krauland W. **Z Rechtsmed** 1981;87(1–2):1–17 (Eng. Abstr.) **(Ger)**

[Perforation of the small intestine caused by closed abdominal trauma (review of 16 cases undergoing surgical treatment)] Lombardo C, et al. **Chir Ital** 1982 Jun;34(3):417–25 (Eng. Abstr.) **(Ita)**

[Heart rupture in closed chest injury. Presentation of a favorably resolved clinical case] Liguori L, et al. **Minerva Cardioangiol** 1981 Dec;29(12):735–42 (Eng. Abstr.) **(Ita)**

[Acute rupture of the heart due to non-penetrating trauma (author's transl)] Kagaya H, et al. **Kyobu Geka** 1982; 35(2):150–3 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of aortic rupture due to closed-chest trauma (author's transl)] Kawada T, et al. **Kyobu Geka** 1982;35(3):188–92 (Eng. Abstr.) **(Jpn)**

[Surgical treatment of traumatic aneurysm of the thoracic aorta (author's transl)] Yamada O, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Dec; 29(12):1948–54 (Eng. Abstr.) **(Jpn)**

[Pulmonary hematoma due to blunt, nonpenetrating chest injury: report of three cases and reported cases in the Japanese literature (author's transl)] Watanabe S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jun; 19(6):375–81 (Eng. Abstr.) **(Jpn)**

[Duodenal rupture due to blunt trauma (author's transl)] Oba S. **Rinsho Hoshasen** 1981 Nov;26(12):1355–6 **(Jpn)**

[Posttraumatic carotid occlusion] Laugaland K, et al. **Tidsskr Nor Laegeforen** 1982 Jan 10;102(1):19–20 (Eng. Abstr.) **(Nor)**

[Injury as a cause of visual loss in inpatients from the period 1975–1979 (author's transl)] Wysocka D, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):347–8 (Eng. Abstr.) **(Pol)**

[Avulsion of the gallbladder] Rajewski F. **Wiad Lek** 1981 May 15;34(10):843–4 (Eng. Abstr.) **(Pol)**

[Anatomoclinical and therapeutic aspects of lesions of the rectosigmoid junction of closed abdominal injuries] Popovici G, et al. **Rev Chir [Chir]** 1981 Sep–Oct; 30(5):381–4 **(Rum)**

[Mechanism of lung injury in closed chest injuries] Get'man VG. **Vestn Khir** 1982 Mar;128(3):113–5 **(Rus)**

[Complications of retroperitoneal hematomas in closed abdominal injuries] Nikolaev GM, et al. **Vestn Khir** 1982 Feb;128(2):84–6 **(Rus)**

[Isolated gallbladder rupture in closed abdominal injury in a child] Shpizel' RS, et al. **Vestn Khir** 1981 Jul;127(7):99 **(Rus)**

[Value of fluorescein angiography for detection of pathology of the posterior segment of the eye after blunt injury of the eyeball] Val'kova IV. **Vestn Oftalmol** 1981 Sep–Oct; (5):35–6 **(Rus)**

[Effectiveness of methods to control the incorporation of radionuclides that enter wounds] Il'in LA, et al. **Voen Med Zh** 1981 Sep;(9):20–3 **(Rus)**

[Neuropsychic pathology and cerebral hemodynamic disorders in acute closed craniocerebral injury] Razumovskaia-Molukalo LP, et al. **Vrach Delo** 1981 Jul; (7):73–6 (Eng. Abstr.) **(Rus)**

[Extracranial post-traumatic thrombosis of the internal carotid artery] Mosilchuk NM, et al. **Zh Vopr Neirokhir** 1981 Nov–Dec;(6):22–4 (Eng. Abstr.) **(Rus)**

[Pseudocyst of the pancreas in a 13-year-old boy as a consequence of a blunt abdominal trauma: a case report (author's transl)] Pažur M. **Lijec Vjesn** 1980 Jul–Aug; 102(7–8):436–7 (Eng. Abstr.) **(Scr)**

[Myocardial infarct after blunt chest injury] Numić N, et al. **Med Arh** 1981;35(5–6):261–5 **(Scr)**

[Traumatic asphyxia in a 16-month-old child] Murgaš I. **Rozhl Chir** 1981 Oct;60(10):702–4 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Diagnosis and long-term follow-up of major bronchial disruptions due to nonpenetrating trauma. Deslauriers J, et al. **Ann Thorac Surg** 1982 Jan;33(1):32–9

Evaluation of noninvasive tests of cardiac damage in suspected cardiac contusion. Potkin RT, et al. **Circulation** 1982 Sep;66(3):627–31

Diagnostic peritoneal lavage at a community hospital. Alvarez J Jr, et al. **Conn Med** 1982 Jun;46(6):319–23

Ultrasonic study of hepatic and splenic traumatic lesions. Weill F, et al. **Eur J Radiol** 1981 Aug;1(3):245–9

Pancreatic ultrasound following blunt abdominal trauma. Kaude JV, et al. **Gastrointest Radiol** 1982;7(1):53–6

A test to help diagnosis of rupture in the injured duodenum. Brotman S, et al. **Injury** 1981 May;12(6):464–5

Outcome following closed head injury. Jones C. **J Neurosurg Nurs** 1981 Aug;13(4):178–83

Commitment to trauma in a low population density area. Gilmore KM, et al. **J Trauma** 1981 Oct;21(10):883–8

Angiography and peritoneal lavage in blunt abdominal trauma. Ward RE, et al. **J Trauma** 1981 Oct;21(10):848–53

Damaged hearts and injured chests [letter] Sibbald WJ, et al. **Lancet** 1982 Apr 10;1(8276):855

The importance of serial white-blood-cell counts on diagnostic peritoneal dialysates in blunt trauma: a preliminary report. Phillips T, et al. **Md State Med J** 1981 Oct;30(10):2

Midbrain lesions: frequent and significant prognostic feature in closed head injury. Rosenblum WI, et al. **Neurosurgery** 1981 Dec;9(6):613–20

Significance of repeating diagnostic peritoneal lavage. Alyono D, et al. **Surgery** 1982 Jun;91(6):656–9

[Long term study of choroid ruptures] Svěrák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1981;24(2):235–49 (Eng. Abstr.) **(Cze)**

[Problems posed by closed external injuries of the larynx] Garand G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Sep–Oct;102(9–10):425–36 (Eng. Abstr.) **(Fre)**

[Diagnosis and management of abdominal injuries (author's transl)] Engelhardt GH. **Aktuel Traumatol** 1980 Oct; 10(5):237–46 (Eng. Abstr.) **(Ger)**

[The problems of blunt abdominal trauma accompanied by cranio-cerebral trauma (author's transl)] Mayer HR, et al. **Aktuel Traumatol** 1981 Dec;11(6):225–7 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of blunt abdominal injuries] Halbfass HJ, et al. **Fortschr Med** 1981 Nov 5;99(41):1681–5 (Eng. Abstr.) **(Ger)**

[The blunt abdominal trauma (author's transl)] Halbfass HJ, et al. **Radiologe** 1982 Mar;22(3):99–105 (Eng. Abstr.) **(Ger)**

[Sonography of blunt abdominal trauma (author's transl)] Hauenstein KH, et al. **Radiologe** 1982 Mar;22(3):106–11 (Eng. Abstr.) **(Ger)**

[Double bilateral carotid artery occlusion after blunt neck trauma (case report)] Weimann S, et al. **Vasa** 1981; 10(3):235–41 (Eng. Abstr.) **(Ger)**

[Experiences on the value of laparocentesis in the diagnosis of intra-abdominal processes, especially in polytraumatized patients] Adam G, et al. **Z Arztl Fortbild (Jena)** 1981 Feb 15;75(4):167–9 **(Ger)**

[Laparoscopy in the diagnosis of blunt abdominal injuries in childhood (author's transl)] Höllwarth M. **Zentralbl Chir** 1982;107(3):167–71 (Eng. Abstr.) **(Ger)**

[The value of peritoneal lavage in the diagnosis of closed abdominal injury (author's transl)] Vadász K, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):268–73 (Eng. Abstr.) **(Hun)**

[Fundamental concepts concerning diagnosis and therapy of closed renal trauma in children] Sernia O, et al. **Minerva Pediatr** 1981 Oct 31;33(20):995–1012 (Eng. Abstr.) **(Ita)**

[Closed abdominal injuries: the diagnostic reliability of ultrasonics] Amici F, et al. **Radiol Med (Torino)** 1982 Jan–Feb;68(1–2):5–10 (Eng. Abstr.) **(Ita)**

[Evaluation of brain stem damage in severe head injury by far field acoustic response (author's transl)] Nishimoto H, et al. **Neurol Med Chir (Tokyo)** 1981 Nov;21(11):1147–52 (Eng. Abstr.) **(Jpn)**

[Differential diagnosis of closed injuries to the kidneys and abdominal organs in children] Finkel'son EI, et al. **Klin Khir** 1981 Jun;(6):76–8 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of isolated closed pancreatic injuries] Lokhvitskiĭ SV, et al. **Klin Khir** 1981 Nov; (11):33–6 (Eng. Abstr.) **(Rus)**

[Electrooculographic data as an index of the functional state of the external retinal layers in blunt trauma of the eye] Val'kova IV. **Oftalmol Zh** 1982;37(1):36–7 (Eng. Abstr.) **(Rus)**

[Posttraumatic retroperitoneal hematomas] Gorshkov SZ, et al. **Sov Med** 1981;(12):89–91 **(Rus)**

[Various atypical features of the clinical course of combined injuries] Sosedko IuI, et al. **Voen Med Zh** 1982 Apr;(4):56–9 **(Rus)**

[Importance of analysis of nonspecific activating influences on the cerebral cortex of patients with sequelae of closed cranio-cerebral injuries] Makkaveiskiĭ PA, et al. **Zh Nevropatol Psikhiatr** 1981;81(7):1034–8 (Eng. Abstr.) **(Rus)**

[Closed injuries of the retroperitoneal portion of the duodenum] Vuković M. **Acta Chir Iugosl** 1982;29(1):41–6 (Eng. Abstr.) **(Ser)**

ETIOLOGY

Mechanical bull injuries: the empty saddle syndrome. Ten Eyck RP, et al. **Ann Emerg Med** 1981 Nov;10(11):582–4

Small bowel strictures after blunt abdominal trauma [letter] Marks CG. **Br J Surg** 1982 Apr;69(4):236

Influence of impact velocity and chest compression on experimental pulmonary injury severity in rabbits. Lau VK, et al. **J Trauma** 1981 Dec;21(12):1022–8
Traumatic rupture of the non-pregnant uterus. Grossberg P, et al. **Med J Aust** 1982 Apr 3;1(7):310–1
Cardiac damage presenting late after road accidents. Mackintosh AF, et al. **Thorax** 1981 Nov;36(11):811–3

MORTALITY

Morbidity and mortality in hepatic trauma. A 5 year study. Carmona RH, et al. **Am J Surg** 1982 Jul;144(1):88–94
Survival after traumatic ponto-medullary tear. Pilz P, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):422–7
Causes of death after blunt trauma. Goris RJ, et al. **J Trauma** 1982 Feb;22(2):141–6
Pediatric blunt trauma. Strate RG, et al. **Minn Med** 1982 Jan;65(1):15–8
[How can prognosis for blunt abdominal injuries be improved?] **Hefte Unfallheilkd** 1981;153:363–428 **(Ger)**

NURSING

A case for trauma room 10. Klee LR. **AORN J** 1981 Nov; 34(5):838–45

OCCURRENCE

Upper gastrointestinal trauma. Analysis of 45 cases of gastric, duodenal or pancreatic injury. Bergqvist D, et al. **Acta Chir Scand** 1981;147(8):637–43
Intestinal trauma, Analysis of 101 cases. Bergqvist D, et al. **Acta Chir Scand** 1981;147(8):629–35
Effects of ethanol ingestion on the severity and outcome of trauma. Ward RE, et al. **Am J Surg** 1982 Jul;144(1):153–7
[Incidence and type of eye injuries in patients treated in the last 15 years (author's transl)] Kęcik T, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):343–5 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Cardiac trauma and the conduction system: a case study of an 18-month-old child. Marino TA, et al. **Arch Pathol Lab Med** 1982 Apr;106(4):173–4
Diffuse axonal injury in non-missile head injury. Adams JH. **Injury** 1982 Mar;13(5):444–5
[Complete avulsion of the ureter– a rare injury due to blunt abdominal trauma in children (author's transl)] Feller AM, et al. **Aktuel Traumatol** 1982 Jun;12(3):117–21 **(Ger)**
['Spontaneous healing' for massive capsule ruptures of the spleen] Jung D, et al. **Med Klin** 1981 Dec 18;76(26):753 **(Ger)**
[Isolated total rupture of the pancreas as a result of closed trauma. Case presentation, clinical and therapeutic notes] Guttadauro G, et al. **Minerva Chir** 1981 Nov 15; 36(21):1441–4 (Eng. Abstr.) **(Ita)**
[Ultrastructural study of the early stages of skeletal muscle regeneration in sexually mature animals] Volodina AV, et al. **Biull Eksp Biol Med** 1981 Jun;91(6):757–9 (Eng. Abstr.) **(Rus)**
[Characteristics of fractures of the spinous processes of the thoracic vertebrae in a blow from a heavy blunt object] Konovalov AI. **Sud Med Ekspert** 1981 Jul–Aug;24(3):10–2 **(Rus)**
[Reflex arrest of the heart as a possible cause of death in blunt chest trauma] Kustanovich SD, et al. **Sud Med Ekspert** 1982 Apr–Jun;25(2):20–2 **(Rus)**
[Diaphragmatic rupture in combined injuries] Klush T, et al. **Vestn Khir** 1981 Nov;127(11):65–6 **(Rus)**
[Rupture of the left gastric artery in blunt abdominal trauma] Sukharev VF, et al. **Vestn Khir** 1981 Oct;127(10):114 **(Rus)**
[Case of traumatic rupture of the auditory ossicle chain] Gol'dman II, et al. **Vestn Otorinolaringol** 1982 Mar–Apr; (2):64 **(Rus)**

PHYSIOPATHOLOGY

Effects of experimental fluid-percussion injury of the brain on cerebrovascular reactivity of hypoxia and to hypercapnia. Lewelt W, et al. **J Neurosurg** 1982 Mar; 56(3):332–8
Vascular change in the spinal cord after impact injury in the rat. Sasaki S. **Neurosurgery** 1982 Mar;10(3):360–3
[Attempt to assess the efficacy of intracranial volumetric compensation taking into account the intracranial pressure instability index in patients after closed craniocerebral injuries] Slósarek J. **Ann Acad Med Stetin** 1981;27:451–67 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Computed tomography in blunt abdominal trauma. Federle MP, et al. **Arch Surg** 1982 May;117(5):645–50
Blunt injury to the innominate artery: two case reports. Cobanoglu A, et al. **Del Med J** 1981 Nov;53(11):549–53
Transection of the pancreas. Baker LP, et al. **J Comput Assist Tomogr** 1982 Apr;6(2):411–2
Clinical spectrum of blunt tracheobronchial disruption illustrated by seven cases. Mills SA, et al. **J Thorac Cardiovasc Surg** 1982 Jul;84(1):49–58
Indications for aortography in blunt thoracic trauma: a reassessment. Gundry SR, et al. **J Trauma** 1982 Aug; 22(8):664–71
Diaphragmatic injury: a method for early diagnosis. Shea L, et al. **J Trauma** 1982 Jul;22(7):539–43
Computed tomography in the evaluation of blunt abdominal trauma in children. Kuhn JP, et al. **Radiol Clin North Am** 1981 Sep;19(3):503–13
Computed tomographic evaluation of blunt renal injuries. Sandler CM, et al. **Radiology** 1981 Nov;141(2):461–6
The right paratracheal stripe in blunt chest trauma. Woodring JH, et al. **Radiology** 1982 Jun;143(3):605–8
Isolated bilateral blunt renal trauma with pelviureteric disruption. Lowe P, et al. **Urology** 1982 Apr;19(4):420–2
[Diagnostic and therapeutic results of angiography of blunt abdominal trauma (author's transl)] Wenz W, et al. **Radiologe** 1982 Mar;22(3):117–21 (Eng. Abstr.) **(Ger)**
[The diagnosis of bilateral renal artery thrombosis due to circular rupture of the intima following blunt abdominal trauma (author's transl)] Güttler CA. **ROFO** 1982 May; 136(5):553–60 (Eng. Abstr.) **(Ger)**
[Posttraumatic pneumatocele of the ligamontum pulmonale inferior] Müller RP, et al. **ROFO** 1982 Apr;136(4):474–6 **(Ger)**
[Computed tomography for injuries of the liver and spleen (author's transl)] Schöpf R, et al. **ROFO** 1982 Jun; 136(6):681–4 **(Ger)**
[Intraventricular hemorrhage in blunt head injury (author's transl)] Yamamoto T, et al. **Nippon Geka Hokan** 1981 May; 50(3):526–33 (Eng. Abstr.) **(Jpn)**
[Traumatic rupture of the spleen diagnosed by computed tomography (author's transl)] Ayabe Z, et al. **Rinsho Hoshasen** 1981 Mar;26(3):399–402 (Eng. Abstr.) **(Jpn)**
[Indications for venography in closed kidney injuries] Panchenko VA. **Urol Nefrol (Mosk)** 1982 Jan–Feb; (1):17–20 (Eng. Abstr.) **(Rus)**
[Complex roentgenoradiological examination in rupture of major bronchi and its sequelae] Rabkin IKh, et al. **Vestn Rentgenol Radiol** 1982 Jan–Feb;(1):31–7 **(Rus)**
[X-ray diagnosis of nonpenetrating injuries and wounds of abdominal organs] Kishkovskii AN, et al. **Voen Med Zh** 1982 Feb;(2):22–6 **(Rus)**

RADIONUCLIDE IMAGING

Unusual splenic image in massive bleeding after capsular tear. Baldwin RD, et al. **Int J Nucl Med Biol** 1982;9(2):143–4
Tc-99m sulfur colloid scanning in blunt trauma: detection of abdominal bleeding. Bronfman HJ, et al. **J Nucl Med** 1981 Nov;22(11):978–80
Post-traumatic pulmonary accumulation of Tc-99m sulfur colloid. Johnson RA, et al. **J Nucl Med** 1982 Feb; 23(2):147–8
Testicular rupture in blunt scrotal trauma: review of 15 cases with recent application of testicular scanning. McConnell JD, et al. **J Urol** 1982 Aug;128(2):309–11

SURGERY

Trauma to the liver during a ten-year period. With special reference to morbidity and mortality after blunt trauma and stab wounds. Hasselgren PO, et al. **Acta Chir Scand** 1981;147(6):387–93
Traumatic colonic perforation. Review of 16 years' experience. Wiener I, et al. **Am J Surg** 1981 Dec; 142(6):717–20
Management and complications of duodenal injuries. Ghuman SS, et al. **Am Surg** 1982 Mar;48(3):109–13
Cervicomediastinal injuries following blunt trauma. Richardson JD, et al. **Am Surg** 1982 Apr;48(4):141–4
Emergency department thoracotomy. Flynn TC, et al. **Ann Emerg Med** 1982 Aug;11(8):413–6
Use of the rhomboid major muscle flap for esophageal repair. Lucas AE, et al. **Ann Thorac Surg** 1982 Jun;33(6):619–23
Traumatic degloving of penis. Grewal SS, et al. **Br J Urol** 1982 Jun;54(3):296–7
Laceration of superior vena cava due to blunt trauma: successful surgical management. Couves CM, et al. **Can J Surg** 1981 Jul;24(4):402–3
Rupture of the diaphragm in blunt injuries of the trunk. Brearley S, et al. **Injury** 1981 May;12(6):480–4
Conservative surgery for splenic injury. Criado FJ, et al. **Injury** 1981 Jul;13(1):57–60
Repair of the injured spleen. Katz S, et al. **Injury** 1981 Jul; 13(1):53–6
Blunt traumatic rupture of the right ventricle, with intrapericardial rupture of the diaphragm: successful surgical repair. Le Treut YP, et al. **Injury** 1981 Jul; 13(1):66–8
Surgical management of duodenal injury. Abu-Dalu K, et al. **Int Surg** 1981 Apr–Jun;66(2):171–3
The role of emergency thoracotomy in blunt trauma. Bodai BI, et al. **J Trauma** 1982 Jun;22(6):487–91
Innominate vascular injury. Graham JM, et al. **J Trauma** 1982 Aug;22(8):647–55
Post-traumatic spinal epidural hematoma. Foo D, et al. **Neurosurgery** 1982 Jul;11(1 Pt 1):25–32
Management of injuries to the brachiocephalic vessels. Busuttil RW, et al. **Surg Gynecol Obstet** 1982 May; 154(5):737–43 (26 ref.)
Options in management of trauma to the esophagus. Cheadle W, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):380–4
Blunt trauma to the heart and great vessels. Gay W. **Surgery** 1982 May;91(5):507–9
Management of closed injuries of the innominate artery. Keen G, et al. **Thorax** 1982 May;37(5):381–3
[Left sided ventricular rupture with pericardial-diaphragm injury] Anders A, et al. **Chirurg** 1981 Oct;52(10):654–7 **(Ger)**
[Blunt and penetrating abdominal injuries] Schriefers KH, et al. **Langenbecks Arch Chir** 1981;355:354–60 (Eng. Abstr.) **(Ger)**
[Traumatic tricuspid insufficiency a clinical study (author's transl)] Voss H et al. **Z Kardiol** 1982 Jan;71(1):50–3 (Eng. Abstr.) **(Ger)**
[Blunt abdominal trauma (author's transl)] Reiher P, et al. **Zentralbl Chir** 1980;105(15):968–73 (Eng. Abstr.) **(Ger)**
[Principles of diagnosis and management in emergency surgery of nonpenetrating chest injuries] Riabtsev VG, et al. **Grudn Khir** 1982 Mar–Apr;(2):5–11 **(Rus)**
[Surgical treatment of traumatic rupture of the thoracic aorta] Volodos' NL, et al. **Grudn Khir** 1981;(6):76–8 **(Rus)**
[Isolated gallbladder injuries] Karimov ShN, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):105–6 **(Rus)**
[Treatment of liver injuries] Lokhvitskii SV, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):74–7 (Eng. Abstr.) **(Rus)**
[Surgical approaches to traumatic liver damage] Topchibashev MA, et al. **Khirurgiia (Mosk)** 1982 Jan; (1):72–4 **(Rus)**
[Closed injuries of the duodenum] Vitsyn BA, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):42–4 (Eng. Abstr.) **(Rus)**
[Surgical procedure at different stages of the development of a traumatic aneurysm] Ratner GL, et al. **Vestn Khir** 1982 May;128(5):64–8 (Eng. Abstr.) **(Rus)**
[Treatment of closed injuries to the knee joint] Mel'nikov AG, et al. **Voen Med Zh** 1982 Mar;(3):50–2 **(Rus)**
[Treatment of patients with blunt renal injuries] Hammarsten J, et al. **Lakartidningen** 1981 Oct 7;78(41):3587–9 (Eng. Abstr.) **(Swe)**

THERAPY

A model based description of a head injury treatment. Black AM, et al. **Acta Neurochir (Wien)** 1982;60(3–4):265–79
The diagnostic usefulness of peritoneal lavage in penetrating trauma: a prospective evaluation and comparison with blunt trauma. Gruenberg JC, et al. **Am Surg** 1982 Aug; 48(8):402–7
A ten-year experience with blunt trauma to the abdomen in children. Wilt EM, et al. **Am Surg** 1982 Mar;48(3):114–7
Blunt renal trauma: the value of a conservative approach to major injuries in clinically stable patients. Gibson S, et al. **Can J Surg** 1982 Jan;25(1):25–6
Early management of laryngeal injuries. Maran AG, et al. **J R Soc Med** 1981 Sep;74(9):656–60
Blunt renal trauma in the pediatric population: a retrospective study. Kuzmarov IW, et al. **J Urol** 1981 Nov;126(5):648–9
The role of conservative treatment in blunt ureteral trauma: case report. Kim SW, et al. **Milit Med** 1981 Jul; 146(7):516–7, 520
[Management of a multi-injured patient with severe closed chest injuries] Latarjet J. **Ann Anesthesiol Fr** 1981; 22(6):601–12 **(Fre)**
[Management of blunt chest trauma (author's transl)] Pinter H, et al. **Zentralbl Chir** 1981;106(16):1049–54 (Eng. Abstr.) **(Ger)**
[Emergency in general medicine (4). Blunt and open abdominal injury] Naber M. **ZFA (Stuttgart)** 1981 Nov 30; 57(33):2333–4 **(Ger)**
[Prolonged peridural anesthesia as a component of the intensive treatment of patients with injuries of the abdominal organs] Shanin SS. **Vestn Khir** 1982 Apr; 128(4):119–21 **(Rus)**

VETERINARY

Bruising and muscle pH in zebu crossbred and British breed cattle. Tyler R, et al. **Vet Rec** 1982 May 8;110(19):444–5

WOUNDS, PENETRATING

Lacerations from glass in childhood. Jackson RH. **Br Med J [Clin Res]** 1981 Nov 14;283(6302):1310–2
Penetrating injuries of the ureter. Peterson NE, et al. **J Urol** 1981 Nov;126(5):587–90
[Post-traumatic blindness and spontaneous decompression of optical nerve (author's transl)] Meyer B, et al. **Ann Otolaryngol Chir Cervicofac** 1982;99(1–2):53–5 (Eng. Abstr.) **(Fre)**
[Peripheral artery trauma. Analysis of 42 cases] Pires MT, et al. **AMB** 1981 Dec;27(12):337–9 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Case report. Pseudomonas puncture wound osteomyelitis in adults. Siebert WT, et al. **Am J Med Sci** 1982 Mar–Apr; 283(2):83–8
The effect of penicillamine on posttraumatic vitreous proliferation. Weiss JF, et al. **Am J Ophthalmol** 1981 Nov; 92(5):625–7
Intraabdominal abscess after penetrating abdominal trauma. Gibson DM, et al. **Am J Surg** 1981 Dec;142(6):699–703
Traumatic diaphragmatic hernia. Payne JH Jr, et al. **Arch Surg** 1982 Jan;117(1):18–24
Traumatic wound dehiscence following penetrating keratoplasty. Topping TM, et al. **Br J Ophthalmol** 1982 Mar;66(3):174–8
Immune globulins for protection against viral hepatitis. **Clin Pediatr (Phila)** 1982 May;21(5):313–6
Analysis of brain abscess after penetrating craniocerebral

injuries in Vietnam. Rish BL, et al. **Neurosurgery** 1981 Nov; 9(5):535–41

Management of Pseudomonas osteochondritis complicating puncture wounds of the foot. Jacobs RF, et al. **Pediatrics** 1982 Apr;69(4):432–5

Impalement injuries of the colon and rectum. Datta PK. **Practitioner** 1982 Apr;226(1366):693–6

[Stress dyspnea, hypoxemia and polycythemia after penetrating lung injury 35 years ago] Werdan K, et al. **Internist (Berlin)** 1982 Apr;23(4):233–6 (Ger)

[The management of traumatic hemothorax (author's transl)] Weil PH. **Wien Klin Wochenschr** 1982 Apr 2;94(7):176–7 (Eng. Abstr.) (Ger)

[Early and late vitreous changes after trauma to the eyeball (author's transl)] Hydzikowa M, et al. **Klin Oczna** 1981 Apr–May;83(4–5):245–7 (Eng. Abstr.) (Pol)

[Injury as a cause of visual loss in inpatients from the period 1975–1979 (author's transl)] Wysocka D, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):347–8 (Eng. Abstr.) (Pol)

[Case of skull perforation by a trammel through the sagittal sinus with brain tissue damage] Kabut Z, et al. **Wiad Lek** 1981 Sep 1;34(17):1463–5 (Pol)

[Vitreal microsurgery in posttraumatic glaucoma] Gundorova RA, et al. **Oftalmol Zh** 1981;36(7):420–3 (Eng. Abstr.) (Rus)

DIAGNOSIS

Emergency diagnosis, resuscitation, and treatment of acute penetrating cardiac trauma. Karrel R, et al. **Ann Emerg Med** 1982 Sep;11(9):504–17 (120 ref.)

Closed renal trauma in children. Woodward A, et al. **Aust NZ J Surg** 1982 Feb;52(1):66–70

Peritoneal lavage in the evaluation of penetrating abdominal trauma. Thompson JS, et al. **Surg Gynecol Obstet** 1981 Dec; 153(6):861–3

[An unusual interlobar and intrapulmonary dislocation of a rib fracture fragment in a child] BohutovA J, et al. **Rozhl Chir** 1982 May;61(5):356–8 (Eng. Abstr.) (Cze)

[Diagnosis and extraction of glass fragments from the posterior portion of the eye in perforating wounds complicated by hemophthalmos] Lebekhov PI, et al. **Oftalmol Zh** 1981;36(7):396–7 (Eng. Abstr.) (Rus)

[Diagnostic and treatment of thoraco–abdominal injuries] Sidorov VP, et al. **Vestn Khir** 1981 Sep;127(9):75–8 (Rus)

[Concerning the problem of knee joint injuries in children (author's transl)] Maar D. **Bratisl Lek Listy** 1982 Feb; 77(2):209–13 (Eng. Abstr.) (Slo)

DRUG THERAPY

[New possibilities of stimulating the regenerative processes in penetrating corneal wounds] Isaeva RT, et al. **Oftalmol Zh** 1981;36(5):294–6 (Eng. Abstr.) (Rus)

ECONOMICS

Penetrating wounds to the chest and abdomen. Williams RE, et al. **Coll Works Cardiopulm Dis** 1982 May;23:6–9

ENZYMOLOGY

[Cryotherapy effect on collagenase activity inhibition in experimental corneal penetrating wounds (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Oct–Dec; 83(10–12):479–80 (Eng. Abstr.) (Pol)

ETIOLOGY

Penetrating head injury [letter] Mittal VK, et al. **Ann Emerg Med** 1981 Dec;10(12):668–9

Dialysis catheter-induced pericardial tamponade. Merrill RH, et al. **Arch Intern Med** 1982 Sep;142(9):1751–3

Injuries caused by garfish in Papua New Guinea. Barss PG. **Br Med J [Clin Res]** 1982 Jan 9;284(6309):77–9

Cardiac perforation with tamponade during cardiac catheterization. Gehl L, et al. **Cathet Cardiovasc Diagn** 1982;8(3):293–8

Mallory–Weiss tear, again [letter] Brodmerkel GJ Jr. **Gastroenterology** 1982 Oct;83(4):946–7

Perforation of the rectum by a Smith–Petersen nail. Seitz WH Jr, et al. **J Trauma** 1982 Apr;22(4):339–40

Strangulation at the groin caused by an underclothes elastic thread [letter] Ephraim D. **Plast Reconstr Surg** 1982 Apr; 69(4):726–7

Orbital impalement injury. An unusual case. Aichmair H. **Trans Ophthalmol Soc UK** 1980;100(4):483–4

[Penetrating lesions of the external genitalia caused by garden motor cultivators] Petersen EK, et al. **Ugeskr Laeger** 1982 Apr 26;144(17):1230 (Eng. Abstr.) (Dan)

[Report on 22 cases of perforating orbital wounds recorded in Africa (author's transl)] Chanut G, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):477–85 (Fre)

[A misestimated aspect of tropical traumatology: abdomen penetrating injuries caused by buffalo horn. Review of 64 Cambodian cases (author's transl)] Tournier–Lasserve C, et al. **Med Trop (Mars)** 1982 Mar–Apr;42(2):161–7 (Eng. Abstr.) (Fre)

OCCURRENCE

Upper gastrointestinal trauma. Analysis of 45 cases of gastric, duodenal or pancreatic injury. Bergqvist D, et al. **Acta Chir Scand** 1981;147(8):637–43

Intestinal trauma, Analysis of 101 cases. Bergqvist D, et al. **Acta Chir Scand** 1981;147(8):629–35

Effects of ethanol ingestion on the severity and outcome of trauma. Ward RE, et al. **Am J Surg** 1982 Jul;144(1):153–7

[Incidence and type of eye injuries in patients treated in the last 15 years (author's transl)] Kęcik T, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):343–5 (Eng. Abstr.) (Pol)

[Traffic injuries to the visual organ (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Jul–Sep;83(7–8):351–2 (Eng. Abstr.) (Pol)

PATHOLOGY

An analysis of fatal and non-fatal head wounds incurred during combat in Vietnam by U.S. forces. Carey ME, et al. **Acta Chir Scand [Suppl]** 1982;508:351–6

Penetrating wound of the aorta by a bull's horn. Saravanapavananthan N. **Injury** 1982 Mar;13(5):412–3

Traumatic herniation of the buccal fat pad: report of case. Wolford DG, et al. **J Am Dent Assoc** 1981 Oct;103(4):593–4

Unusual penetrating injury of the superior sagittal sinus. Wu JJ, et al. **Surg Neurol** 1982 Jan;17(1):43–6

['Impalement'-type injury to the perineum] Nedkov N. **Khirurgiia (Sofiia)** 1982;35(1):84–5 (Bul)

[Ocular globe perforating wounds in Africa (272 cases) (author's transl)] Auzemery A, et al. **Med Trop (Mars)** 1981 Sep–Oct;41(5):486–91 (Fre)

[Damage to the sinus of Valsalva in penetrating injuries of the chest cavity] Zubarev RP, et al. **Grudn Khir** 1982 May–Jun;(3):77–9 (Rus)

[Expert evaluation of the mechanism of the injuries in a fall from a height onto a wooden fence] Begoian AG, et al. **Sud Med Ekspert** 1981 Oct–Dec;24(4):53–5 (Rus)

[Rare heart injuries] Ponomarev AA, et al. **Voen Med Zh** 1982 Apr;(4):26–9 (Rus)

PHYSIOPATHOLOGY

Effect of partial lacerations on canine flexor tendons. Dobyns RC, et al. **Minn Med** 1982 Jan;65(1):27–32

PSYCHOLOGY

Alterations in resolution of linguistic ambiguity after cerebral injury in man. Lackner JR. **Percept Mot Skills** 1982 Feb; 54(1):283–9

RADIOGRAPHY

Assessment of hepatic injuries with computed tomography. Toombs BD, et al. **J Comput Assist Tomogr** 1982 Feb; 6(1):72–5

Extracranial bleeding and extravasation of contrast medium after penetrating head injury. Case report. Bortoluzzi M, et al. **J Neurosurg Sci** 1981 Jan–Mar;25(1):45–8

Diaphragmatic injury: a method for early diagnosis. Shea L, et al. **J Trauma** 1982 Jul;22(7):539–43

[Importance of the CT axial projection for the evaluation of pharyngeal injuries] Lörinc P, et al. **ROFO** 1982 Jun; 136(6):742–4 (Ger)

SURGERY

Early vitrectomy in the management of the severely traumatized eye. Coleman DJ. **Am J Ophthalmol** 1982 May; 93(5):543–51

Systematic approach to traumatic hemothorax. Weil PH, et al. **Am J Surg** 1981 Dec;142(6):692–4

Primary closure of the contaminated wound. Closed suction wound catheter. Zelko JR, et al. **Am J Surg** 1981 Dec; 142(6):704–6

Selective surgical management of penetrating neck trauma. 15-year experience in a community hospital. Cabasares HV. **Am Surg** 1982 Jul;48(7):355–8

Management and complications of duodenal injuries. Ghuman SS, et al. **Am Surg** 1982 Mar;48(3):109–13

Penetrating injuries to the colon. Karanfilian RG, et al. **Am Surg** 1982 Mar;48(3):103–8

Management of peripheral vascular trauma. Saide R, et al. **Am Surg** 1981 Oct;47(10):429–38

Vascular injuries of the axilla. Graham JM, et al. **Ann Surg** 1982 Feb;195(2):232–8

Emergency room thoracotomy for the resuscitation of patients with 'fatal' penetrating injuries of the heart. Ivatury RR, et al. **Ann Thorac Surg** 1981 Oct;32(4):377–85

Duration of preventive antibiotic administration for penetrating abdominal trauma. Oreskovich MR, et al. **Arch Surg** 1982 Feb;117(2):200–5

Keratoplasty following anterior segment trauma. Robinson LP. **Aust J Ophthalmol** 1981 Feb;9(1):59–62

Surgical management of injuries of the large intestine. Parks TG. **Br J Surg** 1981 Oct;68(10):725–8

Dacron patch for closure of experimental stomach defects. Smyrnis SA. **Br J Surg** 1982 Feb;69(2):82–3

Epineurial nerve suture. Braun RM. **Clin Orthop** 1982 Mar; (163):50–6

Reeducation of sensation in the hand following nerve suture. Dellon AL, et al. **Clin Orthop** 1982 Mar;(163):75–9

Interfascicular nerve grafting. Moneim MS. **Clin Orthop** 1982 Mar;(163):65–74

Fascicular nerve suture. Urbaniak JR. **Clin Orthop** 1982 Mar; (163):57–64

Penetrating wounds of the abdomen. Wilder JR, et al. **Compr Ther** 1982 May;8(5):16–9

Penetrating laryngeal injuries. Cave–Bigley DJ, et al. **Injury** 1982 May;13(6):513–7

Impalement injury by a tree branch from rectum to right nipple. Lear GH, et al. **Injury** 1981 May;12(6):495–8

Primary repair of colorectal injuries in childhood. Slim MS, et al. **J Pediatr Surg** 1981 Dec;16(6):1008–11

Innominate vascular injury. Graham JM, et al. **J Trauma** 1982 Aug;22(8):647–55

Penetrating injuries of the ureter. Pitts JC 3d, et al. **J Trauma** 1981 Nov;21(11):978–82

Factors affecting the outcome of exteriorized colon repairs. Thompson JS, et al. **J Trauma** 1982 May;22(5):403–6

Complex cardiac wounds: report of 13 cases. Olcarchyk AS. **Penn Med** 1982 Mar;85(3):30–4

Stitches in the proper place. Binnie GA. **Practitioner** 1982 Jun;226(1368):1140–2

Management of injuries to the brachiocephalic vessels. Busuttil RW, et al. **Surg Gynecol Obstet** 1982 May; 154(5):737–43 (26 ref.)

Impalement wound of the chest. Grossi A, et al. **Thorax** 1981 Dec;36(12):952–3

[Anesthetic management for repair of penetrating heart wounds: a report of 18 cases (author's transl)] Sheng ZR. **Chung Hua Wai Ko Tsa Chih** 1981 Dec;19(12):721–3 (Eng. Abstr.) (Chi)

[Rare penetrating injuries of the thorax] Trnka J, et al. **Rozhl Chir** 1981 Aug;60(8):564–7 (Eng. Abstr.) (Cze)

[Abdomen perforating wounds. Study of 61 cases (author's transl)] Angate AY, et al. **Med Trop (Mars)** 1982 Mar–Apr; 42(2):169–72 (Eng. Abstr.) (Fre)

[Blunt and penetrating abdominal injuries] Schriefers KH, et al. **Langenbecks Arch Chir** 1981;355:354–60 (Eng. Abstr.) (Ger)

['Cut injuries' of the hand-- a challenge to the present status of continuing education in surgery] Segmüller G, et al. **Z Unfallmed Berufskr** 1982;75(2):85–90 (Ger)

[Recto–sigmoid perforation caused by penetrating trauma: an unusual case] Galbiati E, et al. **Chir Ital** 1981 Apr; 33(2):554–9 (Ita)

[Penetrating craniocerebral injuries – report of two unusual cases and review of literature (author's transl)] Nagahiro S, et al. **No Shinkei Geka** 1981 Oct;9(11):1313–8 (Eng. Abstr.) (Jpn)

[A case of unusual craniocerebral penetrating injury (author's transl)] Watanabe O, et al. **No Shinkei Geka** 1981 May; 9(6):727–31 (Eng. Abstr.) (Jpn)

[Treatment of injuries of the carotid artery. Report of 15 cases] Aun R, et al. **AMB** 1981 Mar;27(3):93–6 (Eng. Abstr.) (Por)

[Treatment of peace–time heart wounds] Petukhov IA, et al. **Grudn Khir** 1981 Sep–Oct;(5):28–31 (Eng. Abstr.) (Rus)

[Surgical tactics in multiple bilateral penetrating thoracic and abdominal injuries] Babichev SI, et al. **Khirurgiia (Mosk)** 1981 Sep;(9):63–6 (Eng. Abstr.) (Rus)

[Treatment of liver injuries] Lokhvitskii SV, et al. **Khirurgiia (Mosk)** 1982 Jan;(1):74–7 (Eng. Abstr.) (Rus)

[Surgical approaches to traumatic liver damage] Topchibashev MA, et al. **Khirurgiia (Mosk)** 1982 Jan; (1):72–4 (Rus)

[Treatment results in penetrating chest wounds] Shchiglik GM, et al. **Klin Khir** 1981 Oct;(10):44–5 (Rus)

[Suture technic variants in penetrating corneal injuries] Buzalo AF. **Oftalmol Zh** 1981;36(4):200–3 (Eng. Abstr.) (Rus)

[Programmed analysis of the effectiveness of microsurgical treatment of penetrating eye injuries] Chvialeva KI, et al. **Oftalmol Zh** 1981;36(4):206–7 (Eng. Abstr.) (Rus)

[Healing of penetrating eye injuries] Kornilova AF, et al. **Oftalmol Zh** 1981;36(4):204–5 (Eng. Abstr.) (Rus)

[Fixation of wound margins in penetrating eye injuries] Logal IM, et al. **Oftalmol Zh** 1981;36(4):193–7 (Eng. Abstr.) (Rus)

[Use of MK–KAN glue in penetrating corneal injuries] Starkov GL, et al. **Oftalmol Zh** 1981;36(4):197–200 (Eng. Abstr.) (Rus)

[Open injuries to the pancreas] Lokhvitskii SV, et al. **Vestn Khir** 1981 Oct;127(10):111–3 (Eng. Abstr.) (Rus)

[Injury to the vena cava inferior in a penetrating abdominal wound] Veselov VS, et al. **Vestn Khir** 1982 Jan; 128(1):103–4 (Rus)

[Surgical tactics in wounds of the extremities] Shugarov NA, et al. **Voen Med Zh** 1982 Apr;(4):55–6 (Rus)

[Technic of microsurgical restoration of peripheral nerve trunks] Belousov AE. **Zh Vopr Neirokhir** 1982 Jan–Feb; (1):44–7 (Eng. Abstr.) (Rus)

[The effect of emergency microsurgery in penetrating injuries of the eye on visual acuity in children] Artiko G, et al. **Srp Arh Celok Lek** 1980 Oct;108(10):1015–9 (Eng. Abstr.) (Scc)

[Iridopexy in perforative eye injury (author's transl)] Jureković B. **Lijec Vjesn** 1981;103(3):70–1 (Eng. Abstr.) (Scr)

[Surgery of an eye injury caused by a fishing hook] Petrović Z, et al. **Vojnosanit Pregl** 1981 Jul–Aug;38(4):267–9 (Scr)

THERAPY

The diagnostic usefulness of peritoneal lavage in penetrating trauma: a prospective evaluation and comparison with blunt trauma. Gruenberg JC, et al. **Am Surg** 1982 Aug; 48(8):402–7

Perforating eye injuries treated at Helsinki University Eye Hospital 1970 to 1977. Niiranen M. **Ann Ophthalmol** 1981 Aug;13(8):957–61

Perforating injury of cornea by flying bat. Agarwal RL, et al. **Indian J Ophthalmol** 1981 Apr;29(1):39–40

Penetrating wounds [editorial] Ellis H. **J R Soc Med** 1982 Jul;75(7):494–5

Early management of laryngeal injuries. Maran AG, et al. **J R Soc Med** 1981 Sep;74(9):656–60

The importance of prompt transport of salvage of patients with penetrating heart wounds. Gervin AS, et al. **J Trauma** 1982 Jun;22(6):443–8

Penetrating gluteal injuries. Ivatury RR, et al. **J Trauma** 1982 Aug;22(8):706–9

[Severe damage of middle and internal ear, caused by a knitting needle (author's transl)] Wisser F. **Laryngol Rhinol Otol (Stuttg)** 1981 Aug;60(8):444–5 (Eng. Abstr.) **(Ger)**

[Emergency in general medicine (4). Blunt and open abdominal injury] Naber M. **ZFA (Stuttgart)** 1981 Nov 30; 57(33):2333–4 **(Ger)**

[Cryotherapy effect on collagenase activity inhibition in experimental corneal penetrating wounds (author's transl)] Lenkiewicz E, et al. **Klin Oczna** 1981 Oct–Dec; 83(10–12):479–80 (Eng. Abstr.) **(Pol)**

[Evaluation of the atraumatic properties f bandage material] Daurova TT, et al. **Biull Eksp Biol Med** 1981 Dec; 92(12):754–7 (Eng. Abstr.) **(Rus)**

[Prolonged intubation with a silicone tube in the treatment of penetrating injuries of the esophagus] Aliev MA, et al. **Grudn Khir** 1981;(6):69–71 (Eng. Abstr.) **(Rus)**

[Experience in using the bactericidal preparation 'levoplast' for outpatient suture-free wound closure] Litvinov GA. **Ortop Travmatol Protez** 1982 Apr;(4):37–8 **(Rus)**

VETERINARY

Exercise in diagnostic radiology: acute periostitis associated with a soft tissue abscess caused by a puncture wound. Farrow CS. **Can Vet J** 1981 Jul;22(7):213–4

Penetrating thoracic wound in a Hackney mare. Burbidge HM. **Equine Vet J** 1982 Jan;14(1):94–5

Evisceration of the gallbladder in a cow. Nicoletti JL, et al. **Mod Vet Pract** 1981 Apr;62(4):315–6

WOUNDS, STAB

Ventricular septal defects produced by penetrating cardiac injuries. Joshi P, et al. **S Afr Med J** 1981 Oct 3; 60(14):548–50

COMPLICATIONS

Self-inflicted stab wound causing aorto-right ventricular fistula. Goddard P, et al. **Br Heart J** 1981 Jul;46(1):101–3

Transpericardial stab wound of the hepatic veins giving rise to cardiac tamponade. Case report and review of the management of liver injuries. Stahl RS, et al. **Conn Med** 1981 Nov;45(11):687–90

Pneumothorax of late onset after chest stabbing [letter] van der Spuy JW, et al. **Injury** 1981 May;12(6):514–5

Traumatic left carotid aneurysm with hemiplegia. Anyanwu CH, et al. **J R Coll Surg Edinb** 1982 May;27(3):181–2

Management of asymptomatic patients following stab wounds to the chest. Weigelt JA, et al. **J Trauma** 1982 Apr; 22(4):291–4

Traumatic rupture of the diaphragm. Williams RS. **Med J Aust** 1982 Mar 6;1(5):208–11

Posttraumatic parotid pseudocyst with hyperamylasemia. Westreich M, et al. **Plast Reconstr Surg** 1982 Jun; 69(6):1002–6

[Effectiveness of methods to control the incorporation of radionuclides that enter wounds] Il'in LA, et al. **Voen Med Zh** 1981 Sep;(9):20–3 **(Rus)**

DIAGNOSIS

A retrospective review of 89 stab wounds to the abdomen and chest. Donaldson LA, et al. **Br J Surg** 1981 Nov; 68(11):793–6

Traumatic ventricular septal defect and lacerated mitral leaflet: two-dimensional echocardiographic demonstration. Sklar J, et al. **Chest** 1982 Feb;81(2):247–9

Axillary artery injuries: importance of early recognition. Criado FJ, et al. **Injury** 1981 May;12(6):491–4

[Knife injury of the portal vein and the principal bile duct] Sefroui A, et al. **Maroc Med** 1980 Dec;2(4):457–63 (Eng. Abstr.) **(Fre)**

[Stab wounds of the right heart ventricle] Iliev H, et al. **Srp Arh Celok Lek** 1981 Aug;109(8):1079–85 **(Scc)**

ETIOLOGY

[Possibilities of determining the mechanism of the formation of stab wounds] Gribov VM, et al. **Sud Med Ekspert** 1982 Apr-Jun;25(2):52–4 **(Rus)**

METABOLISM

Kinetics of blood-brain barrier dysfunction to albumin around small cerebral stab wounds. Persson LI, et al. **Acta Neurol Scand** 1982 Jan;65(1):1–5

Ependymal reaction to stab wounds in rat brains –Immunocytochemical study with antiserum to astroprotein–. Yoshimine T, et al. **Neurol Med Chir (Tokyo)** 1982 Jan;22(1):19–23

MORTALITY

Morbidity and mortality in hepatic trauma. A 5 year study. Carmona RH, et al. **Am J Surg** 1982 Jul;144(1):88–94

PATHOLOGY

Single suicidal stab wounds–a study of three cases. West I. **Med Sci Law** 1981 Jul;21(3):198–201

[Traumatic infarction following stab wound of the heart (author's transl)] Kampmann H, et al. **Z Rechtsmed** 1982; 88(3):159–64 (Eng. Abstr.) **(Ger)**

[Influence of muscle contraction on wound measurements after defined dynamic stabbing tests (author's transl)] Weber W. **Z Rechtsmed** 1981;87(1–2):27–34 (Eng. Abstr.) **(Ger)**

[Rare thoraco-abdominal wound] Gostev VS. **Vestn Khir** 1982 Feb;128(2):83–4 **(Rus)**

SURGERY

Trauma to the liver during a ten-year period. With special reference to morbidity and mortality after blunt trauma and stab wounds. Hasselgren PO, et al. **Acta Chir Scand** 1981;147(6):387–93

Traumatic colonic perforation. Review of 16 years' experience. Wiener I, et al. **Am J Surg** 1981 Dec; 142(6):717–20

Traumatic ventricular septal defect: a case of early repair and review of the literature. O'Connor F, et al. **Int Surg** 1979 Nov–Dec;64(6):31–5

Subarachnoid-pleural fistula-case report and review of literature. Shannon N, et al. **J Neurol Neurosurg Psychiatry** 1982 May;45(5):457–60

Selection of patients with abdominal stab wounds for laparotomy. Goldberger JH, et al. **J Trauma** 1982 Jun; 22(6):476–80

Successful surgical management of stab injury of the thoracic aorta with penetration of the spinal cord. Stanley WE, et al. **JAOA** 1982 Apr;81(8):531–4

Penetrating injuries of chest. Stab and gunshot wounds. Mehta DR. **NY State J Med** 1982 Mar;82(3):309–11

Options in management of trauma to the esophagus. Cheadle W, et al. **Surg Gynecol Obstet** 1982 Sep;155(3):380–4

[Thoracotomy as an emergency procedure] Klausner JM, et al. **Harefuah** 1981 Mar 1;100(5):227–8 (Eng. Abstr.) **(Heb)**

[Iatrogenic occlusion of the anterior descending branch of the left coronary artery. Description of a case] Mazza F, et al. **G Ital Cardiol** 1981;11(3):394–7 (Eng. Abstr.) **(Ita)**

[Treatment of peace-time heart wounds] Petukhov IA, et al. **Grudn Khir** 1981 Sep-Oct;(5):28–31 (Eng. Abstr.) **(Rus)**

[Isolated gallbladder injuries] Karimov ShN, et al. **Khirurgiia (Mosk)** 1981 Oct;(10):105–6 **(Rus)**

[Wounds of the abdominal cavity and retroperitoneal space] Skripnichenko DF, et al. **Klin Khir** 1982 Apr;(4):26–8 **(Rus)**

[Combined injuries of major abdominal vessels] Udod VM, et al. **Klin Khir** 1981 Dec;(12):50 **(Rus)**

[Wounds of the heart] Zolin VP, et al. **Klin Khir** 1981 Jul; (7):52–4 (Eng. Abstr.) **(Rus)**

[Combined injury to the internal jugular vein and the intrathoracic portion of the left subclavian artery] Protsenko NV, et al. **Sov Med** 1981;(12):114–5 **(Rus)**

[Postoperative period following the suturing of knife puncture wounds of the heart] Vagner EA, et al. **Sov Med** 1982;(5):110–2 **(Rus)**

[Injury to the duodenum and right kidney pelvis in multiple knife wounds of the abdomen] Bocharov IuV, et al. **Vestn Khir** 1982 May;128(5):75–6 **(Rus)**

[Open injuries to the pancreas] Lokhvitskiĭ SV, et al. **Vestn Khir** 1981 Oct;127(10):111–3 (Eng. Abstr.) **(Rus)**

[Surgical procedure at different stages of the development of a traumatic aneurysm] Ratner GL, et al. **Vestn Khir** 1982 May;128(5):64–8 (Eng. Abstr.) **(Rus)**

[Peace-time injuries of the gluteal arteries] Shor NA. **Vestn Khir** 1981 Sep;127(9):78–82 **(Rus)**

[Penetrating injuries of the heart] Murgaš I. **Rozhl Chir** 1981 Aug;60(8):558–63 (Eng. Abstr.) **(Slo)**

THERAPY

Abdominal stab wounds: a ten-year review of 204 patients. Cayten CG, et al. **Am Surg** 1982 Jun;48(6):250–4

Penetrating left ventricular stab wound: a method of control during resuscitation and prior to repair. McQuillan RF, et al. **Injury** 1981 Jul;13(1):63–5

Management of stab wounds of the abdomen: a retrospective community hospital experience and review of the current literature. Gonzalez GD, et al. **J SC Med Assoc** 1981 Oct; 77(10):493–6

'Pierced by the arrows of this ghostly world' – a review of arrow wounds in Enga Province. Sharp PT. **Papua New Guinea Med J** 1981 Sep;24(3):150–63

Penetrating wounds of the heart and great vessels--a new therapeutic approach. Knott-Craig CJ, et al. **S Afr Med J** 1982 Aug 28;62(10):316–20

[Successful resuscitation with blood reinfusion in heart injuries] Ulusov VN, et al. **Anesteziol Reanimatol** 1982 May-Jun;(3):74–5 **(Rus)**

WR 2721 see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

WR 2823 see under **ORGANOTHIOPHOSPHORUS COMPOUNDS**

WRESTLING see under **SPORTS**

WRIST

Pathogenesis, clinic, and treatment of ganglion. Soren A. **Arch Orthop Trauma Surg** 1982;99(4):247–52

Compartment syndrome of the forearm and hand: a case report. Quigley JT, et al. **Clin Orthop** 1981 Nov–Dec; (161):247–51

Trigger wrist due to anomalous flexor digitorum profundus muscle in association with fibroma of tendon sheath. Kernohan JG, et al. **Hand** 1982 Feb;14(1):59–60

All wrist masses are not ganglions. A review of the extensor digitorum brevis manus. Wise DM, et al. **Mo Med** 1981 Nov;78(11):694–6,700

['Turning-out' suture versus enucleation method in treatment of ganglion (author's transl)] Wang DZ. **Chung Hua Wai Ko Tsa Chih** 1981 Aug;19(8):492–3 (Eng. Abstr.) **(Chi)**

[Neurinoma and neurosarcoma of the median nerve at the wrist. Clinical cases] Pegreffi F, et al. **Chir Organi Mov** 1981;66(2):219–24 **(Ita)**

ABNORMALITIES

Anomalous muscles in the hand and wrist--report of three cases. Simodynes EE, et al. **J Hand Surg** 1981 Nov; 6(6):553–4

ANATOMY & HISTOLOGY

Wrist and digital nerve blocks. Leversee JH, et al. **J Fam Pract** 1981 Sep;13(3):415–21

Hands on stamps. France--Issue of 1979. Light TR. **J Hand Surg** 1982 Mar;7(2):124

BLOOD SUPPLY

Prospective study of dialysis fistulas: problem patients and their treatment. Reilly DT, et al. **Br J Surg** 1982 Sep; 69(9):549–53

Arterial injuries in electrically burned upper limbs and effects of early reconstruction of blood circulation to the wrist. Wang XW, et al. **Burns Incl Therm Inj** 1982 Jul;8(6):379–86

[Arterial injuries in electrically burnt upper limbs and effects of early reconstruction of blood circulation to the wrist: with clinical and pathological observations on 12 cases (author's transl)] Wang XW. **Chung Hua I Hsueh Tsa Chih** 1981 Jan;61(1):6–9 (Eng. Abstr.) **(Chi)**

[The deep arterial system of the wrist] Kuhlmann JN, et al. **Bull Assoc Anat (Nancy)** 1980 Dec;64(187):501–8 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

[Study on the bone development of hand and wrist among children and adolescents in rural areas of Shanxi (author's transl)] Zhao R. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1981 May; 15(3):131–5 **(Chi)**

INNERVATION

Compression syndromes at wrist. Precise diagnostic procedures. Fleck H, et al. **NY State J Med** 1982 Feb; 82(2):180–2

[Posttraumatic degeneration of the posterior interosseous nerve (author's transl)] Erbs G. **Unfallheilkunde** 1981 Nov; 84(11):470–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Coordination of arm and wrist motion during a reaching task. Lacquaniti F, et al. **J Neurosci** 1982 Apr;2(4):399–408

[Investigative analysis of ossification center at the wrist in 2,552 children under 7 years of age (author's transl)] Wu XZ, et al. **Chung Hua I Hsueh Tsa Chih** 1981 Nov; 61(11):700–3 **(Chi)**

RADIOGRAPHY

Radiographic evaluation of skeletal maturation. A clinically oriented method based on hand-wrist films. Fishman LS. **Angle Orthod** 1982 Apr;52(2):88–112

Ulnar variance--the effect of wrist positioning and roentgen filming technique. Epner RA, et al. **J Hand Surg** 1982 May; 7(3):298–305

The demonstration of lymphatic channels on wrist arthrography in rheumatoid disease with particular reference to associated lymphoedema. Wu G, et al. **Rheumatol Rehabil** 1982 May;21(2):65–71

[Calcifying periarthritis of the wrist] Wery PE, et al. **Acta Orthop Belg** 1981 May-Jun;47(3):382–93 (Eng. Abstr.) **(Fre)**

SURGERY

Carpal tunnel syndrome caused by a simple ganglion. Harvey FJ, et al. **Hand** 1981 Jun;13(2):164–6

Arthrodesis of the wrist in rheumatoid disease. Papaioannou

T, et al. **Hand** 1982 Feb;14(1):12–6
Hand involvement in psoriatic arthritis. Belsky MR, et al. **J Hand Surg** 1982 Mar;7(2):203–7
The office treatment of simple paronychias and ganglions. Lee TC. **Med Times** 1981 Sep;109(9):49–51, 54–5
[Club–hand correction after termination of growth] Martini AK. **Handchirurgie** 1980;12(3–4):229–33 (Eng. Abstr.) **(Ger)**
[Treatment of scaphoid non–union with screw fixation (author's transl)] Zolczer L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(1):8–14 (Eng. Abstr.) **(Hun)**

WRIST INJURIES

[Luxations and luxation fractures of the carpometakarpal joints IV and V (author's transl)] Schild H, et al. **Rontgenblatter** 1982 Jan;35(1):19–22 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Giant cell tumor of tendon sheath developing at the site of tendon laceration. Wittels M, et al. **Clin Orthop** 1982 Sep; (169):207–10
[Posttraumatic degeneration of the posterior interosseous nerve (author's transl)] Erbs G. **Unfallheilkunde** 1981 Nov; 84(11):476–9 (Eng. Abstr.) **(Ger)**
[Combined tendon–nerve injuries on the wrist and on the distal third–part of the forearm (author's transl)] Bíró V, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):11–8 **(Hun)**
[The place of palliative operations in treatment of complaints caused by scaphoid pseudoarthrosis (author's transl)] Zolczer L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1981; 24(4):247–54 (Eng. Abstr.) **(Hun)**

DIAGNOSIS

[Perilunar dislocation of the hand] Abel'diaev VD. **Vestn Khir** 1982 Apr;128(4):94–5 **(Rus)**
[Diagnosis of injuries of the 'soft' wrist] Strmeň J, et al. **Rozhl Chir** 1981 Aug;60(8):547–50 (Eng. Abstr.) **(Slo)**

ETIOLOGY

High–frequency electromagnetic radiation injury to the upper extremity: local and systemic effects. Ciano M, et al. **Ann Plast Surg** 1981 Aug;7(2):128–35
Posttraumatic recurrent subluxation of the extensor carpi ulnaris tendon. Burkhart SS, et al. **J Hand Surg** 1982 Jan; 7(1):1–3
[Wrist injuries in winter sports] Fernandez DL, et al. **Schweiz Z Sportmed** 1981 Dec;29(4):121–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Osteoporosis and epidemiology of fractures in Croatia. An international comparison. Matkovic V, et al. **Henry Ford Hosp Med J** 1980;28(2–3):116–26

RADIOGRAPHY

Naviculocapitate fracture–dislocation. El–Khoury GY, et al. **AJR** 1982 Aug;139(2):385–6
Scaphoid and lunate dislocation. A report on a case. Brown RH, et al. **Hand** 1981 Oct;13(3):303–7
Tears of triangular fibrocartilage [letter] Ganel A. **Injury** 1981 May;12(6):513–4
Volar radiocarpal dislocation [letter] Kaltsas DS. **Injury** 1982 Jan;13(4):351–2
Snapping scapholunate subluxation. Jackson WT, et al. **J Hand Surg** 1981 Nov;6(6):590–4
Injuries of the wrist: an approach to diagnosis. Curtis DJ. **Radiol Clin North Am** 1981 Dec;19(4):625–44
Wrist arthrography. Dalinka MK, et al. **Radiol Clin North Am** 1981 Jun;19(2):217–26
[Arthrography in lesions of triangular fibrocartilage of the wrist (author's transl)] Rau WS, et al. **Radiologe** 1982 May; 22(5):214–21 (Eng. Abstr.) **(Ger)**
[The symptoms, forms and secondary lesions of scaphoid pseudarthrosis (author's transl)] Zolczer L, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(2):112–22 (Eng. Abstr.) **(Hun)**
[Radiological technics for study of the carpal scaphoid] Pampuri M, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):142–6 **(Ita)**

SURGERY

Scaphoid fractures: concepts of management. Melone CP Jr. **Clin Plast Surg** 1981 Jan;8(1):83–94
Recurrent dislocation of extensor carpi ulnaris tendon. Eckhardt WA, et al. **J Hand Surg** 1981 Nov;6(6):629–31
Irreducible radiocarpal fracture–dislocation and radioulnar dissociation with entrapment of the ulnar nerve, artery and flexor profundus II–V–case report. Fernandez DL. **J Hand Surg** 1981 Sep;6(5):456–61
Ulnotriquetral augmentation tenodesis: a reconstructive procedure for dorsal subluxation of the distal radioulnar joint. Hui FC, et al. **J Hand Surg** 1982 May;7(3):230–6
[Our current concept of the treatment of wrist fractures by compression–extension in the adult] Nonnenmacher J, et al. **Acta Orthop Belg** 1981;47(6):870–6 **(Fre)**
[Treatment of fractures of the wrist by dynamic fixation] Nonnenmacher J, et al. **Acta Orthop Belg** 1981;47(6):877–83 **(Fre)**
[Delayed union and pseudarthrosis of the carpal navicular: diagnosis and treatment (author's transl)] Scharf W, et al. **Unfallchirurgie** 1982 Feb;8(1):8–13 (Eng. Abstr.) **(Ger)**
[Unusual fractures of the wrist (author's transl)] Gatterer R, et al. **Unfallheilkunde** 1981 Nov;84(11):463–8 **(Ger)**
Results of percutaneous wire fixation in fractures of the distal end of the radius (author's transl)] Hertz H, et al. **Unfallheilkunde** 1982 Feb;85(2):79–83 (Eng. Abstr.) **(Ger)**
[Indication, technique and results of arthrodesis of the wrist (author's transl)] Narr H. **Unfallheilkunde** 1982 Apr; 85(4):171–7 (Eng. Abstr.) **(Ger)**
[The substitution of intrinsic muscle function with modified Zancolli procedure (author's transl)] Kovácsy A, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1982; 25(1):37–43 **(Hun)**
[Implantation of a semilunar prosthesis in inveterate perilunar trans–scaphoid dislocation of the wrist] Bertini S, et al. **Arch Putti Chir Organi Mov** 1981;31:211–6 (Eng. Abstr.) **(Ita)**
[Serial electromyographic study of 11 cases of neurotmesis of the mixed nerve trunks at the wrist treated with fascicular neurorrhaphy, using the Gosse method] Magrotti E, et al. **Riv Neurol** 1981 Sep–Oct;51(5):274–86 (Eng. Abstr.) **(Ita)**

THERAPY

The use of spring–loaded splints in treating wrist–flexion contractures. Belsole RJ, et al. **Plast Reconstr Surg** 1982 Jun;69(6):1015–6

WRIST JOINT

Giant geode (subchondrial cyst) in calcium pyrophosphate deposition disease on the curist. Weinberg S, et al. **J Can Assoc Radiol** 1981 Sep;32(3):171–2
Radioactive 2–deoxy–D–glucose incorporation into the prefrontal and premotor cortex of the monkey performing a forelimb movement. Matsunami K, et al. **Neurosci Lett** 1981 Oct;26(1):37–41
The effect of the Futuro wrist brace in pain conditions of the wrist. Biddulph SL. **S Afr Med J** 1981 Sep 5; 60(10):389–91
The destructive wrist arthropathy of pseudogout. Smathers RL, et al. **Skeletal Radiol** 1982 Jan;7(4):255–8
[Carpal instabilities. Radiological and clinico–pathological classification (author's transl)] Allieu Y, et al. **Ann Radiol (Paris)** 1982 Apr–May;25(4):275–87 (Eng. Abstr.) **(Fre)**
[Chronic ulnocarpal calcareous bursitis] Lischi D, et al. **Radiol Med (Torino)** 1982;68(3):141–5 (Eng. Abstr.) **(Ita)**
[Tuberculosis of the synovial membrane and tendons of the extensor muscles of the hand] Belov VM, et al. **Probl Tuberk** 1982 May;(5):68–9 **(Rus)**

ABNORMALITIES

Centralization of the radial club hand: an ulnar surgical approach. Manske PR, et al. **J Hand Surg** 1981 Sep; 6(5):423–33
[Anatomical findings in hands with a triphalangeal thumb] Koebke J. **Handchirurgie** 1980;12(3–4):219–23 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Form and function of radioulnar articular disc. Mohiuddin A, et al. **Hand** 1982 Feb;14(1):61–6

INNERVATION

Correlation of monkey pyramidal tract neuron activity to movement velocity in rapid wrist flexion movement. Hamada I. **Brain Res** 1981 Dec 28;230(1–2):384–9
Functional organization of the motor process underlying the transition from movement to posture. Lestienne F, et al. **Brain Res** 1981 Dec 28;230(1–2):121–31
Synchronisation of motor firing by vibration during stretch evoked responses of the human wrist flexors. Matthews PB, et al. **Exp Brain Res** 1982;45(1–2):313–6
[Representation of wrist joint afferents in the cerebral cortex of cats] Zalkind VI. **Zh Vyssh Nerv Deiat** 1981 May–Jun; 31(3):633–6 **(Rus)**

PHYSIOLOGY

Long latency reflexes to imposed displacements of the human wrist: dependence on duration of movement. Lee RG, et al. **Exp Brain Res** 1982;45(1–2):207–16
[Anatomo–physiological aspects of the carpal scaphoid in articular movements of the wrist] Pampuri M, et al. **Chir Ital** 1981 Oct;33(5 Suppl 1):62–70 **(Ita)**

RADIOGRAPHY

Arthrography of the metacarpo–scaphoid joint following excision of the trapezium. Iyer KM, et al. **Hand** 1981 Oct; 13(3):251–6
Wrist involvement in juvenile chronic arthritis five years after onset of disease. Weinberger A, et al. **Isr J Med Sci** 1982 May;18(5):653–4
Wrist arthrography. Dalinka MK, et al. **Radiol Clin North Am** 1981 Jun;19(2):217–26
Radiography of the polyarthritic hands and wrists. Clements RW, et al. **Radiol Technol** 1981 Nov–Dec;53(3):203–17 (90 ref.)
Radiology of postnatal skeletal development. IV. Distal radius and ulna. Ogden JA, et al. **Skeletal Radiol** 1981; 6(4):255–66
[Arthrography in lesions of triangular fibrocartilage of the wrist (author's transl)] Rau WS, et al. **Radiologe** 1982 May; 22(5):214–21 (Eng. Abstr.) **(Ger)**
[Objective manifestations of rheumatoid arthritis characterizing its evolution. I. Method of quantitative evaluation of the degree of erosive arthritis and the rate of its progression in wrist and ankle joints] Krel' AA, et al. **Vopr Revm** 1981 Jul–Sep;(3):11–5 (Eng. Abstr.) **(Rus)**

SURGERY

Partial carpal arthrodesis as treatment of local degenerative changes in the wrist joints. Bertheussen K. **Acta Orthop Scand** 1981 Dec;52(6):629–31
Arthrodesis of the wrist by the method of Mannerfelt. A follow–up of 19 patients. Škak SV. **Acta Orthop Scand** 1982 Aug;53(4):557–9
Swanson implant arthroplasty of the wrist in rheumatoid arthritis. Davis RF, et al. **Clin Orthop** 1982 Jun;(166):132–7
Total joint replacement at the base of the thumb—preliminary report. Braun RM. **J Hand Surg** 1982 May;7(3):245–51
Ulnotriquetral augmentation tenodesis: a reconstructive procedure for dorsal subluxation of the distal radioulnar joint. Hui FC, et al. **J Hand Surg** 1982 May;7(3):230–6
Ulnar midcarpal instability–clinical and laboratory analysis. Lichtman DM, et al. **J Hand Surg** 1981 Sep;6(5):515–23
Carpal tunnel syndrome—a disabling yet treatable condition. Schlachter LB, et al. **J Med Assoc Ga** 1981 Dec; 70(12):861–5
[Wrist arthroplasty (author's transl)] Alnot JY. **Ann Radiol (Paris)** 1982 Apr–May;25(4):288–92 (Eng. Abstr.) **(Fre)**
[Joint replacement in the hand and finger region] Gschwend N. **Chirurg** 1981 Nov;52(11):696–705 **(Ger)**
[Clinical results of synovectomy for rheumatoid wrist compared with the opposite side (author's transl)] Namba H. **Nippon Seikeigeka Gakkai Zasshi** 1981 Jun;55(6):527–41 (Eng. Abstr.) **(Jpn)**
[Rheumatoid wrist (author's transl)] Tatsuzawa Y. **Ryumachi** 1982 Feb;22(1):75–87 **(Jpn)**

WRITING

The needle of caring, the thread of love: creative writing on an adolescent medical ward. Hofmann AD, et al. **Adolesc Psychiatry** 1981;9:88–116
A glossary of selected classical and neo–classical expressions apt or adaptable in medical writing. Leider M, et al. **Am J Dermatopathol** 1982 Feb;4(1):25–38
How to write a research report for publication. Zellmer WA. **Am J Hosp Pharm** 1981 Apr;38(4):545–50
For the nurse writer's bookshelf. Lewis EP. **Am J Nurs** 1982 Jul;82(7):1116–8
How to write a psychiatric consultation. Garrick TR, et al. **Am J Psychiatry** 1982 Jul;139(7):849–55
You can write a medical paper. Speer F. **Ann Allergy** 1982 Jul;49(1):61–4
Giving a medical talk. Speer F. **Ann Allergy** 1982 Jul; 49(1):64–6
In vivo exposure vs cognitive restructuring in the treatment of scriptophobia. Biran M, et al. **Behav Res Ther** 1981; 19(6):525–32
Increasing the writing productivity of 'blocked' academicians. Boice R. **Behav Res Ther** 1982;20(3):197–207
Guidelines on preparing a medical report for compensation purposes. McMillan EM, et al. **Br J Dermatol** 1982 Apr; 106(4):489–94
The hieratic mode. Swinscow TD. **Br Med J [Clin Res]** 1981 Dec 19;283(6307):1682–3
Writing scientific papers in English. Robbins ML. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1982 May;15(2):140–9
Style, final draft, submission or what I wish I had known about how to write. Sweet WH. **Clin Neurosurg** 1981; 28:193–204
Preparation of a neurosurgical manuscript, with emphasis on library research. Wilkins RH. **Clin Neurosurg** 1981; 28:173–92
Clinical pharmacology, a 'me too' affair? du Souich BP, et al. **Eur J Clin Pharmacol** 1981;21(3):259–60
Reporting hypnosis in the medical context: a brief communication. Frankel FH. **Int J Clin Exp Hypn** 1981 Jan;29(1):10–4
How to write a clinical paper: a brief communication. Fromm E. **Int J Clin Exp Hypn** 1981 Jan;29(1):5–9
The why and how of a contribution to the literature: a brief communication. Orne MT. **Int J Clin Exp Hypn** 1981 Jan; 29(1):1–4
Training teachers in generalized writing of behavior modification programs for multihandicapped deaf children. Hundert J. **J Appl Behav Anal** 1982 Spring;15(1):111–22
Writing for audiovisual media. McPheeters V. **J Audiov Media Med** 1981 Jul;4(3):94
The careful writer and the sound of words. Bjork RE. **J Community Health** 1981 Summer;6(4):275–81
The lateralising significance of hypergraphia in temporal lobe epilepsy. Roberts JK, et al. **J Neurol Neurosurg Psychiatry** 1982 Feb;45(2):131–8

Taking the pain out of writing objectives. Wheeler MB. **J Nurs Adm** 1981 May;11(5):12
Written advice: compliance and recall. Gauld VA. **J R Coll Gen Pract** 1981 Sep;31(230):553–6
So-called heavy drinking occupations; two empirical tests. Cosper R, et al. **J Stud Alcohol** 1982 Jan;43(1):110–8
How to write (and publish) a medical paper and how to deliver it. Shambaugh GE Jr. **Laryngoscope** 1982 May; 92(5):494–6
Letter to a clever young physician. Last PM. **Med J Aust** 1981 Oct 17;2(8):424–5
Medical journalism for the layman: the importance of physician input. Gaudio SA, et al. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):474–6
The Ingelfinger rule [letter] **N Engl J Med** 1981 Dec 24; 305(26):1594–5
The Ingelfinger rule and the 'right to know' [letter] Clewell WH, et al. **N Engl J Med** 1982 Feb 4;306(5):305–6
In praise of footnotes [letter] Shaw A, et al. **N Engl J Med** 1982 Jan 21;306(3):181
Larger methods [letter] Steckman M. **N Engl J Med** 1982 Jan 21;306(3):181
Developing the evaluation component of a grant application. Dixon J. **Nurs Outlook** 1982 Feb;30(2):122–7
Developing skills in grant writing. Sexton DL. **Nurs Outlook** 1982 Jan;30(1):31–8
Network: getting into print. Vivas M. **Nurs Outlook** 1982 Sep–Oct;30(8):484
Publish and perish: a cautionary tale for academics. Craddock FW. **NZ Dent J** 1982 Apr;78(352):58–62
Biological constraints on orthographic representation. Marshall JC. **Philos Trans R Soc Lond [Biol]** 1982 Jun 25; 298(1089):165–72
To refer or not to refer. Kirby M. **Physiotherapy** 1981 Feb 10;67(2):50
Benesh movement notation. An introduction to recording clinical data. Part 9: Recording shoulder function and the manipulation of walking aids. McGuinness-Scott J. **Physiotherapy** 1981 Dec;67(12):368–70
Orthographic variations and visual information processing. Hung DL, et al. **Psychol Bull** 1981 Nov;90(3):377–414
Committee report. Publication recommendations for electrodermal measurements. Fowles DC, et al. **Psychophysiology** 1981 May;18(3):232–9
Committee report. Publication guidelines for heart rate studies in man. Jennings JR, et al. **Psychophysiology** 1981 May;18(3):226–31
An 'open' Braille communication system for the blind. Seufert WD, et al. **Public Health** 1982 Jan;96(1):43–7
Writing readable health messages. Manning D. **Public Health Rep** 1981 Sep–Oct;96(5):464–5
Controlling your language: making English clear. Savage F, et al. **Trans R Soc Trop Med Hyg** 1981;75(4):583–5
[Personal opinion on the question of how to write a good paper of medical scientific research (author's transl)] Chen HZ. **Chung Hua I Hsueh Tsa Chih** 1981 Jul;61(7):423–5 **(Chi)**
[Style in ophthalmological literature and correspondence (author's transl)] Hallermann W. **Klin Monatsbl Augenheilkd** 1981 Jul;179(1):52–3 (Eng. Abstr.) **(Ger)**
[Specific writing disability following spontaneous subarachnoid haemorrhage (author's transl)] Dahmen W, et al. **Nervenarzt** 1981 Oct;52(10):598–601 **(Ger)**
[Correct preparation of the text of a scientific paper for publication. I. General principles of editing the paper] Szajewski J. **Pol Arch Med Wewn** 1981 Nov–Dec; 66(5–6):419–25 **(Pol)**
[Letters written to the 'Przeglad Lekarski' ('Medical Review') on the subject of Auschwitz (III)] Maslowski J. **Przegl Lek** 1981;38(1):216–20 **(Pol)**
[Graphic correction test method for studying hand tremor in younger schoolchildren] Agarkov VI. **Gig Sanit** 1981 Sep;(9):50–1 **(Rus)**
[Psychophysiological criteria of the occupational fitness of healthy persons for the job of typist-stenographer] Besstrashnaia NA. **Gig Sanit** 1981 Jun;(6):22–5 (Eng. Abstr.) **(Rus)**
[The language of medical books and journals] Epifanov NS. **Klin Med (Mosk)** 1982 Apr;60(4):110–2 **(Rus)**
[Hyperorthographia (author's transl)] Pascual Castroviejo I. **An Esp Pediatr** 1981 Dec;15(6):581–6 (Eng. Abstr.) **(Spa)**

EDUCATION

Teaching letter writing to medical undergraduates. Beran RG. **Med J Aust** 1982 May 15;1(10):434–5

HISTORY

History of writing and its relevance for the linguistic disorder in dyslexia: discussion paper. Russell GF. **J R Soc Med** 1982 Aug;75(8):631–40

STANDARDS

A study of the contents of referral letters from general practitioners to an accident and emergency department. Thurston CJ, et al. **Health Bull (Edinb)** 1982 May; 40(3):120–4
The Pink Sheet Syndrome. Fuller EO. **Nurs Res** 1982 May–Jun;31(3):185–6
Portraying persons with disabilities in print. National Easter Seal Society guidelines. **Rehabil Lit** 1981 Sep–Oct; 42(9–10):284–5

WRYNECK see **TORTICOLLIS**

WUCHERERIA

Seasonal prevalence of filaria infection in Culex fatigans, from Dhanbad, Bihar. Azeez SA, et al. **J Commun Dis** 1980 Jun; 12(2):91–2
Ingestion and development of Wuchereria bancrofti in Culex quinquefasciatus, Anopheles gambiae and Aedes aegypti after feeding on humans with varying densities of microfilariae in Tanzania. McGreevy PB, et al. **Trans R Soc Trop Med Hyg** 1982;76(3):288–96

ENZYMOLOGY

Effect of diethylcarbamazine on Wuchereria bancrofti microfilarial enzymes. Chandrasekaran B, et al. **Indian J Biochem Biophys** 1981 Apr;18(2):139–41
A simplified technique for demonstration of acid phosphatase activity in microfilaria of Wuchereria bancrofti. Sulochana G, et al. **Indian J Pathol Microbiol** 1981 Jul;24(3):151–3

GROWTH & DEVELOPMENT

Biochemical studies of some mosquitoes in relation to development of Wuchereria bancrofti. Balaraman K, et al. **Indian J Med Res** 1981 Jan;73 Suppl:144–6

IMMUNOLOGY

Antibody determination in the diagnosis of Wuchereria bancrofti infection in man. Dissanayake S, et al. **Bull WHO** 1981;59(5):753–7
Detection & diagnostic utility of exoantigen of Wuchereria bancrofti microfilariae. Kharat I, et al. **Indian J Exp Biol** 1981 Jun;19(6):564–5
IgG-dependent human eosinophil-mediated adhesion and cytotoxicity of Litomosoides carinii larvae. Mehta K, et al. **Indian J Med Res** 1981 Aug;74:226–30
Detection of filarial antibodies in Malayan and Bancroftian filariasis by the indirect fluorescent antibody test, using different filarial antigens. Au AC, et al. **Southeast Asian J Trop Med Public Health** 1982 Mar; 13(1):142–7
Seroepidemiology of bancroftian filariasis in the Seychelles Islands. Nuti M, et al. **Tropenmed Parasitol** 1982 Mar; 33(1):25–7

ISOLATION & PURIFICATION

Microfilaria in bone marrow aspirate: a case report. Rani S, et al. **Acta Cytol (Baltimore)** 1981 Jul–Aug;25(4):425–9
Disappearance of some Brugia malayi foci from Madhya Pradesh, Orissa and Tamil Nadu and co-existence of Malayan and Bancroftian filariasis in some pockets. Russel S, et al. **J Commun Dis** 1980 Dec;12(4):183–7
Successful cryopreservation of Wuchereria bancrofti microfilariae. Owen DG, et al. **Trans R Soc Trop Med Hyg** 1982;76(2):232–3

PATHOGENICITY

Attempts to establish Wuchereria bancrofti in laboratory animals. Rao CK, et al. **J Commun Dis** 1980 Dec; 12(4):219–21

PHYSIOLOGY

Tests of susceptibility of Liberian Culex quinquefasciatus to Tanzanian Wuchereria bancrofti. Curtis CF, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):736–9
The examination—time/dose interval in the provocation of nocturnally periodic microfilariae of Wuchereria bancrofti with diethylcarbamazine and the practical uses of the test. McMahon JE. **Tropenmed Parasitol** 1982 Mar;33(1):28–30

WUCHERERIA BANCROFTI see under **WUCHERERIA**

X 537A see **LASALOCID**

X CHROMOSOME see under **SEX CHROMOSOMES**

X INACTIVATION see **DOSAGE COMPENSATION (GENETICS)**

X-RAY, DIAGNOSTIC see **RADIOGRAPHY**

X-RAY DIFFRACTION

X-ray diffraction from striated muscles and nerves in normal and dystrophic mice. Kurg T, et al. **Muscle Nerve** 1982 Mar;5(3):238–46
Aging changes in the macromolecular organization of the intervertebral disc: an X-ray diffraction and electron microscopic study. Hickey DS, et al. **Spine** 1982 May–Jun; 7(3):234–42
[Quantitative roentgen diffraction urinary calculi analysis] Keller F, et al. **Z Med Lab Diagn** 1982 Jan;23(1):20–9 (Eng. Abstr.) **(Ger)**
[Analytic reliability and diagnostic precision of x-ray diffractometric analysis of urinary calculi] Rebentisch G, et al. **Z Med Lab Diagn** 1981;22(6):324–32 (Eng. Abstr.) **(Ger)**
[Problems in quantitative x-ray diffractometric analysis of urinary calculi] Schubert G. **Z Med Lab Diagn** 1981; 22(6):333–9 (Eng. Abstr.) **(Ger)**
[Fast X-ray diffraction: its use in muscle physiology (author's transl)] Matsubara I, et al. **Iyodenshi To Seitai Kogaku** 1981 Oct;19(6):411–9 (21 ref.) **(Jpn)**
[Protein crystallography: scope and limitations (author's transl)] Mitsui Y, et al. **Tanpakushitsu Kakusan Koso** 1982 Feb;27(3):491–514 **(Jpn)**
[X-ray structural studies of pepsin binding of phenylalanyldiiodotyrosine at 3 A resolution] Andreeva NS, et al. **Dokl Akad Nauk SSSR** 1981;259(5):1261–4 **(Rus)**

METHODS

Evidence of bilayer structure and of membrane interactions from X-ray diffraction analysis. Blaurock AE. **Biochim Biophys Acta** 1982 May 12;650(4):167–207 (119 ref.)
Pigment analysis in the forensic examination of paints. I. Pigment analysis by X-ray powder diffraction. Curry CJ, et al. **J Forensic Sci Soc** 1982 Apr;22(2):173–7
Powder diffraction analysis of urinary calculi: the advantages of using a cobalt x-ray tube. Gray D, et al. **J Urol** 1982 Feb;127(2):387–8
Polysaccharide structure by x-ray fiber diffraction. Winter WT. **Methods Enzymol** 1982;83 Pt D:87–104
Anomalous small angle scattering. Stuhrmann HB. **Q Rev Biophys** 1981 Aug;14(3):433–60
Evaluation of quartz crystals in rat lungs by X-ray diffractometry. Kam JK. **Sci Sin** 1981 Oct;24(10):1449–54
[Urinary calculi analysis using X-ray diffraction: selection, use and advantages] Asper R, et al. **Helv Chir Acta** 1981 Aug;48(3–4):467–75 (Eng. Abstr.) **(Ger)**

X-RAY EMISSION SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY EMISSION SPECTROMETRY, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY EMISSION SPECTROMETRY, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY FILM

Boundaries in the radiographic image. I. General principles for perception of boundaries and their application to the image. Edholm P. **Acta Radiol [Diagn] (Stockh)** 1981; 22(4):457–73
Image distortion in rotational panoramic radiography. III. Inclined objects. Tronje G, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(5):585–92
Image distortion in rotational panoramic radiography. II. Vertical distances. Tronje G, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(4):449–55
Improved routine chest radiography with a trough filter. Wieder S, et al. **AJR** 1981 Oct;137(4):695–8
Square chest films [letter] Wilson RA. **AJR** 1982 Apr; 138(4):798
An assessment of intravenous urogram imaging using 100 mm and conventional films. Robertson EM, et al. **Br J Radiol** 1981 Nov;54(647):944–7
Reactions to glutaraldehyde with particular reference to radiologists and X-ray technicians. Fisher AA. **Cutis** 1981 Aug;28(2):113–22
Methods for reducing patient exposure combined with Kodak Ektaspeed dental x-ray film. Silha RE. **Dent Radiogr Photogr** 1981;54(4):80–7
Quantitative autoradiography of neurotransmitter receptors using tritium-sensitive film. Penney JB, et al. **Eur J Pharmacol** 1981 Jul 10;72(4):421–2
Production of 35 mm. slides using subtraction film. Eger H. **Eur J Radiol** 1982 May;2(2):173
Directed attention and film reader performance [editorial] Kundel HL. **Invest Radiol** 1982 Mar–Apr;17(2):117–8
Density dependence of signal detection in radiographs. Burgess AE, et al. **Med Phys** 1981 Sep–Oct;8(5):646–51
The Kodak TP 2415: a good negative film for fluorescence angiography. Siertsema JV, et al. **Ophthalmologica** 1981; 183(3):168–73
Energy-selective filtration of dental x-ray beams. Gelskey DE, et al. **Oral Surg** 1981 Nov;52(5):565–7
Effects of errors in film speed and beam alignment on the image layer in rotational panoramic radiography. McDavid WD, et al. **Oral Surg** 1981 Nov;52(5):561–4
The effects of kilovoltage and filtration on dental radiographic film sensitivity. Price C. **Oral Surg** 1982 Mar; 53(3):318–21
John B. Cahoon Memorial Lecture, American Society of Radiologic Technologists. Cullinan JE. **Radiol Technol** 1981 Sep–Oct;53(2):121–37
An improved film cassette for scoliosis radiography. De Smet AA, et al. **Radiology** 1981 Oct;141(1):249–50
An evaluation of screen-film combinations for detail skeletal radiography. De Smet AA, et al. **Radiology** 1982 Apr; 143(1):259–60
Double-exposure technique for computed-tomographic imaging on x-ray film. Suchato C, et al. **Radiology** 1982 Aug;144(3):646
[Panoramic intra-oral radiography, a forgotten technic]

Fabert G, et al. **Rev Stomatol Chir Maxillofac** 1982; 83(2–3):100–2 **(Fre)**
[An analysis of the diagnostic information derived from screening as against films during radiological examination of the stomach (author's transl)] Richter K, et al. **ROFO** 1982 Jun;136(6):649–52 (Eng. Abstr.) **(Ger)**
[Physical and psychophysical criteria for the evaluation of the quality of radiographic images] Borasi G, et al. **Radiol Med (Torino)** 1982 May;68(5):401–7 **(Ita)**
[Use of x-ray prints with dyes] Vintergal'ter SF, et al. **Vestn Rentgenol Radiol** 1981 Sep–Oct;(5):57–9 **(Rus)**

ECONOMICS

The 35 X 42.5 cm (14 X 17 inch) chest film: 7.5 cm too long [editorial] Bruwer A. **AJR** 1981 Sep;137(3):632–3
[On silver economization as a contribution to reduce the expenses in raydiagnostics (author's transl)] Angerstein W. **Radiol Diagn (Berl)** 1982 Mar;23(2):167–71 (Eng. Abstr.) **(Ger)**

STANDARDS

Film quality in image intensifier photofluorography. Wihed A, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(3A):289–94
An optical density comparator. Bednarek DR, et al. **Radiology** 1982 Feb;142(2):533–4

X-RAY FLUORESCENCE SPECTROMETRY see **SPECTROMETRY, X-RAY EMISSION**

X-RAY INTENSIFYING SCREENS see under **RADIOGRAPHIC IMAGE ENHANCEMENT**

X-RAY MICROANALYSIS, ELECTRON MICROSCOPIC see **ELECTRON PROBE MICROANALYSIS**

X-RAY MICROANALYSIS, ELECTRON PROBE see **ELECTRON PROBE MICROANALYSIS**

X-RAY THERAPY see under **RADIOTHERAPY**

X-RAY TOMOGRAPHY see **TOMOGRAPHY, X-RAY**

X-RAY TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, X-RAY COMPUTED**

X-RAYS see under **RADIATION, IONIZING**

XANTHENES

Binding, surface mobility, internalization, and degradation of rhodamine-labeled alpha 2-macroglobulin. Maxfield FR, et al. **Biochemistry** 1981 Sep 1;20(18):5353–8
Probing mitochondria in living cells with rhodamine 123. Chen LB, et al. **Cold Spring Harbor Symp Quant Biol** 1982; 46 (Pt 1):141–55
Rhodamine isothiocyanate coupled peanut lectin for quantitative studies of D-galactosyl receptors of neuroblastoma cells. Caron M, et al. **Experientia** 1981 Nov 15;37(11):1154–7
Fluorescence microscopy: reduced photobleaching of rhodamine and fluorescein protein conjugates by n-propyl gallate. Giloh H, et al. **Science** 1982 Sep 24; 217(4566):1252–5
[Fluorescence histochemical demonstration of elastic fibers with rhodamine 6 G extra (ethyl ester)] Schmidt T. **Gegenbaurs Morphol Jahrb** 1981;127(5):680–2 **(Ger)**

ANALYSIS

RM values of xanthone derivatives in structure-activity studies. Barbaro AM, et al. **J Chromatogr** 1982 Jun 18; 242(1):1–7

BIOSYNTHESIS

Identification of sterigmatocystin as a metabolite of Monocillium nordinii. Ayer WA, et al. **Can J Microbiol** 1981 Aug;27(8):846–7
Chemically defined medium for high yields of sterigmatocystin. Hitokoto H, et al. **Mycopathologia** 1982 May 22;78(2):99–105

DIAGNOSTIC USE

Decreased uptake and retention of rhodamine 123 by mitochondria in feline sarcoma virus-transformed mink cells. Johnson LV, et al. **Cell** 1982 Jan;28(1):7–14
Pyronin Y for staining stripped autoradiographs prepared from plastic embedded sections of rat tissues containing plutonium. Priest ND. **Stain Technol** 1981 Sep;56(5):317–21

METABOLISM

Disposition of [14C]secalonic acid D in male mice. Reddy CS, et al. **Toxicol Appl Pharmacol** 1981 Dec;61(3):399–406

PHARMACODYNAMICS

Polymerization-induced changes in the fluorescence of actin labeled with iodoacetamidotetramethylrhodamine. Tait JF, et al. **Arch Biochem Biophys** 1982 Jun;216(1):133–41
Interaction of rhodamine 123 with living cells studied by flow cytometry. Darzynkiewicz Z, et al. **Cancer Res** 1982 Mar;42(3):799–806
Disparate in vivo and in vitro immunomodulatory activities of rhodamine B. Wess JA, et al. **Food Chem Toxicol** 1982 Feb;20(1):9–14
The effects of naturally occurring bisdihydrofuran ring-containing mycotoxins on cultured chick embryonal hepatocytes. Terao K, et al. **Gan** 1981 Feb;72(1):81–91
Effects of xanthene dyes in cattle diets for insect control: diet digestibility and fecal excretion. Fairbrother TE, et al. **J Anim Sci** 1982 Mar;54(3):632–9
The isolation of a fungal metabolite which exhibits antimicrobial synergy with sterigmatocystin. Perry MJ, et al. **J Appl Bacteriol** 1982 Feb;52(1):83–9
The effect of the synergy between sterigmatocystin and a fungal metabolite on Bacillus subtilis. Perry MJ, et al. **J Appl Bacteriol** 1982 Feb;52(1):91–6
Transport of carbamyl phosphate synthetase I and ornithine transcarbamylase into mitochondria. Inhibition by rhodamine 123 and accumulation of enzyme precursors in isolated hepatocytes. Morita T, et al. **J Biol Chem** 1982 Sep 25;257(18):10547–50
Texas Red, a hydrophilic, red-emitting fluorophore for use with fluorescein in dual parameter flow microfluorometric and fluorescence microscopic studies. Titus JA, et al. **J Immunol Methods** 1982;50(2):193–204
Effects of aflatoxin B, aflatoxin B, aflatoxin G and sterigmatocystin on viability, rates of development, and body length in two strains of Drosophila melanogaster (Diptera). Gunst K, et al. **J Invertebr Pathol** 1982 May; 39(3):388–94
Gastric antisecretory agents. 2. Antisecretory activity of 9-[(aminoalkyl)thio]-9H-xanthenes and 5-[(aminoalkyl)thio]-5H-[1]benzopyrano[2,3-b]pyridines. Bristol JA, et al. **J Med Chem** 1981 Aug;24(8):1010–3
UV-induced reactivation and mutagenesis of lambda-phages after treatment with 8-methoxypsoralen or thiopyronine and light. Yasui A, et al. **Radiat Environ Biophs** 19b1; 19(4):239–45
[Bactericidal activity of the dye Erio acid red XB 400 towards Bacillus thuringiensis] Smirnoff WA. **Can J Microbiol** 1981 Sep;27(9):952–5 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

5-Di-(2'-tetrahydropyranyl)secalonic acid D as a new antibiotic derivative with anticancer activity. Iwaguchi T, et al. **Gan** 1980 Dec;71(6):900–6
[Clinical observations on the use of a new respiratory analeptic (pimexone)] Olivieri D, et al. **Arch Monaldi** 1980 May–Jun;35(3):117–26 **(Ita)**

TOXICITY

Comparative toxicity of rhodamine B and rhodamine 6G to the house fly (Musca domestica l.). Respicio NC, et al. **Bull Environ Contam Toxicol** 1981 Aug;27(2):274–81
Cytotoxic and mutagenic effects of sterigmatocystin on cultured Chinese hamster cells. Noda K, et al. **Carcinogenesis** 1981;2(10):945–9
Teratogenicity of secalonic acid D in mice. Reddy CS, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):445–55
Secalonic acid D toxicity in rat lung. Sorenson WG, et al. **J Toxicol Environ Health** 1982 Mar;9(3):515–25

URINE

High-performance liquid chromatographic analysis of the mycotoxin secalonic acid D and its application to biological fluids. Reddy CS, et al. **J Chromatogr** 1981 Apr 3; 208(1):17–26

XANTHINE ALKALOIDS

PHARMACODYNAMICS

Low-frequency fatigue in isolated skeletal muscles and the effects of methylxanthines. Jones DA, et al. **Clin Sci** 1982 Aug;63(2):161–7

XANTHINE DEHYDROGENASE see under **KETONE OXIDOREDUCTASES**

XANTHINE OXIDASE

Coupling of [33S]sulphur to molybdenum(V) in different reduced forms of xanthine oxidase. Malthouse JP, et al. **Biochem J** 1981 Dec 1;199(3):629–37
Crypto - OH. radical production by nitrofurantoin. Youngman RJ, et al. **Biochem Pharmacol** 1982 Feb 15; 31(4):603–6
Magnetic interactions in milk xanthine oxidase. Barber MJ, et al. **Biochemistry** 1982 Mar 30;21(7):1648–56
Oxidation-reduction potentials of molybdenum, flavin, and iron-sulfur centers in milk xanthine oxidase: variation with pH. Barber MJ, et al. **Biochemistry** 1982 Mar 30; 21(7):1638–47
Determination of the stoichiometry of electron uptake and the midpoint reduction potentials of milk xanthine oxidase at 25 degrees C by microcoulometry. Spence JT, et al. **Biochemistry** 1982 Mar 30;21(7):1656–61
Amino acids: modifiers of xanthine oxidase activity. Part II: interaction of L-lysine and L-glutamic acid. Kela U, et al. **Indian J Physiol Pharmacol** 1981 Apr–Jun;25(2):163–6
Mode of reactions between xanthine oxidase and aromatic nitro compounds. Tatsumi K, et al. **J Pharmacobiodyn** 1981 Feb;4(2):101–8

ANALYSIS

Quantitation of rat liver xanthine oxidase by radioimmunoassay. A mechanism for sex-specific differences. Decker DE, et al. **Arthritis Rheum** 1982 Mar; 25(3):326–32
Detection of xanthine oxidase and immunologically related proteins in fractions from bovine mammary tissue and milk after electrophoresis in polyacrylamide gels containing sodium dodecyl sulphate. Mather IH, et al. **Biochem J** 1982 Feb 15;202(2):317–23
Isolation of cofactor common to molybdenum-containing enzymes: nitrate reductase from lupine bacteroids and xanthine oxidase from milk. Alikulov ZA, et al. **Biol Bull Acad Sci USSR** 1980 Sep–Oct;7(5):379–84

ANTAGONISTS & INHIBITORS

Inhibition of oxidative enzymes by anti-allergy drugs. White GJ. **Agents Actions** 1981 Nov;11(5):503–9
Kinetic and e.p.r. studies on the inhibition of xanthine oxidase by alloxanthine (1 H-pyrazolo [3, 4-d] pyrimidine-4,6-diol). Williams JW, et al. **Biochem J** 1981 Jun 1;195(3):753–60
Xanthine oxidase inhibitor in Duchenne muscular dystrophy. Tamari H, et al. **Brain Dev** 1982;4(2):137–43
Reductive activation of nitroaromatics and enzyme inhibition: misonidazole and xanthine oxidase. Raleigh JA, et al. **Int J Radiat Oncol Biol Phys** 1982 Mar–Apr; 8(3–4):701–4
Inhibition of milk xanthine oxidase by fluorodinitrobenzene. Nishino T, et al. **J Biol Chem** 1982 Jul 10;257(13):7348–53
The antitumor and mammalian xanthine oxidase inhibitory activity of 5-methyl-6-substituted pyrrolo(2,3-d)pyrimidine-2,4-diones. Betlach CJ, et al. **J Pharm Sci** 1982 Feb;71(2):269–70
A simple method to determine inhibitory activity of xanthine oxidase in vivo. Miyazaki H, et al. **Jpn J Pharmacol** 1982 Apr;32(2):400–3
Tight binding inhibitors of xanthine oxidase. Hille R, et al. **Pharmacol Ther** 1981;14(2):249–63

BIOSYNTHESIS

Sulfhydryl oxidase-catalyzed conversion of xanthine dehydrogenase to xanthine oxidase. Clare DA, et al. **Arch Biochem Biophys** 1981 Oct 1;211(1):44–7

BLOOD

Xanthine oxidase in serum of viral hepatitis patients may interfere in urate determination by endpoint measurement with xanthine in the reagent mixture [letter] Harff GA, et al. **Clin Chem** 1981 Oct;27(10):1771

DEFICIENCY

Acute lymphocytic leukemia in a child with congenital xanthine oxidase deficiency: implications for therapy. Morgan E, et al. **Am J Pediatr Hematol Oncol** 1981 Winter; 3(4):439–41
[A case of asymptomatic xanthine oxidase deficiency (author's transl)] Katsuki T, et al. **Nippon Naika Gakkai Zasshi** 1981 Sep 10;70(9):1263–6 **(Jpn)**

GENETICS

Liver aldehyde oxidase and xanthine oxidase genetics in the mouse. Holmes RS, et al. **Anim Blood Groups Biochem Genet** 1981;12(3):193–9

ISOLATION & PURIFICATION

Purification of highly active milk xanthine oxidase by affinity chromatography on Sepharose 4B/folate gel. Nishino T, et al. **FEBS Lett** 1981 Aug 31;131(2):369–72
Purification of xanthine oxidase from the fat-globule membrane of bovine milk by electrofocusing. Sullivan CH, et al. **Mol Cell Biochem** 1982 Apr 16;44(1):13–22

METABOLISM

Nicotinic acid and liver xanthine oxidase. Aleo MF, et al. **Acta Vitaminol Enzymol** 1981;3(4):219–23
Serum and liver xanthine oxidase activity in tumor bearing rats and mice. Affonso OR, et al. **An Acad Bras Cienc** 1981 Sep 30;53(3):617–20
Iron-ethylenediaminetetraacetic acid (EDTA)-catalyzed superoxide dismutation revisited: an explanation of why the dismutase activity of Fe-EDTA cannot be detected in the cytochrome c/Xanthine oxidase assay system. Bull C, et al. **Arch Biochem Biophys** 1982 May;215(2):551–5
Pyrazole and 4-methylpyrazole inhibit oxidation of ethanol and dimethyl sulfoxide by hydroxyl radicals generated from ascorbate, xanthine oxidase, and rat liver microsomes. Cederbaum AI, et al. **Arch Biochem Biophys** 1982 Jul; 216(2):530–43
An investigation into the role of hydroxyl radical in xanthine oxidase-dependent lipid peroxidation. Tien M, et al. **Arch Biochem Biophys** 1982 Jun;216(1):142–51
Xanthine oxidase catalyzed binding of 1-nitropyrene to DNA. Howard PC, et al. **Biochem Biophys Res Commun** 1982 Jan 29;104(2):727–32

Studies on the mechanism of action of 6-mercaptopurine. Interaction with copper and xanthine oxidase. Kela U, et al. **Biochem J** 1981 Mar 1;193(3):799–803

Molybdenum(V) e.p.r. signals obtained from xanthine oxidase on reduction with aldehyde substrates and with 2-amino-4-hydroxy-6-formylpteridine. Malthouse JP, et al. **Biochem J** 1981 Aug 1;197(2):421–5

Enhanced production of hydroxyl radicals by the xanthine–xanthine oxidase reaction in the presence of lactoferrin. Bannister JV, et al. **Biochim Biophys Acta** 1982 Mar 15;715(1):116–20

Characteristics of membrane-bound and soluble forms of xanthine oxidase from milk and endothelial cells of capillaries. Bruder G, et al. **Biochim Biophys Acta** 1982 Mar 4;701(3):357–69

Localization of xanthine oxidase in mammary-gland epithelium and capillary endothelium. Jarasch ED, et al. **Cell** 1981 Jul;25(1):67–82

A new method for the assay of xanthine oxidase activity. Sugiura M, et al. **Chem Pharm Bull (Tokyo)** 1981 Feb; 29(2):430–2

Stimulatory effect of ceruloplasmin on hemolysis caused by the action of xanthine oxidase on acetaldehyde. Løvstad RA. **Int J Biochem** 1981;13(8):947–50

The presence of a reducible disulfide bond in milk xanthine oxidase. Hille R, et al. **J Biol Chem** 1982 Aug 10; 257(15):8898–901

The role of superoxide in xanthine oxidase–induced autooxidation of linoleic acid. Thomas MJ, et al. **J Biol Chem** 1982 Jul 25;257(14):8343–7

Evidence for the inorganic nature of the cyanolyzable sulfur of molybdenum hydroxylases. Wahl RC, et al. **J Biol Chem** 1982 Feb 10;257(3):1354–9

Increased amidophosphoribosyltransferase and decreased xanthine oxidase activity in human and rat renal cell carcinoma. Prajda N, et al. **Life Sci** 1981 Aug 24; 29(8):853–60

Pressure variation of enzymatic reaction rates: IV. Xanthine oxidase and superoxide dismutase. Morild E, et al. **Physiol Chem Phys** 1981;13(6):483–91

PHARMACODYNAMICS

Formation of denatured erythrocytes by exposure to a superoxide radical generating system of xanthine oxidase. Miura T, et al. **Chem Pharm Bull (Tokyo)** 1981 Jun; 29(6):1730–5

A simple and effective method for hemolysis with a hypoxanthine–xanthine oxidase system and alteration of erythrocyte phospholipid composition during the hemolysis. Taniguchi M, et al. **J Biochem (Tokyo)** 1981 Mar;89(3):795–800

The effect of oxidant injury on the lymphocyte membrane and functions. Kraut EH, et al. **J Lab Clin Med** 1981 Nov; 98(5):697–703

Superoxide, xanthine oxidase and platelet reactions: further studies on mechanisms by which oxidants influence platelets. Levine PH, et al. **Thromb Haemost** 1981 Jun 30; 45(3):290–3

PHYSIOLOGY

Xanthine oxidase in intestinal mucosa promotes incorporation of iron into transferrin. **Nutr Rev** 1981 May;39(5):222–3

XANTHINES

A uridine adduct with an ester of the carcinogen 3-hydroxy-1-methylxanthine. Stöhrer G, et al. **Chem Biol Interact** 1982 Jul 15;41(1):117–29

Extended Hildebrand Solubility Approach: methylxanthines in mixed solvents. Martin A, et al. **J Pharm Sci** 1981 Oct; 70(10):1115–20

ADMINISTRATION & DOSAGE

Combined use of beta-adrenergic agonists and methyl xanthines [letter] Nicklas RA, et al. **N Engl J Med** 1982 Aug 26;307(9):557–8

ADVERSE EFFECTS

Interactions between methyl xanthines and beta adrenergic agonists. **FDA Drug Bull** 1981 Nov;11(3):19–20

Methylated xanthines and pancreatic cancer [letter] Robinette CD. **Lancet** 1981 Oct 3;2(8249):754

ANALYSIS

[Studies of caffeine and theobromine in sheep. I. Remission spectrophotometric determination of methylxanthines in biological material] Kreisner M, et al. **Zentralbl Veterinarmed [A]** 1981;28(9–10):692–700 (Eng. Abstr.) **(Ger)**

BLOOD

[Diagnosis of hypoxia according to the level of purine bases in the blood] Zhdanov GG, et al. **Anesteziol Reanimatol** 1982 Jan–Feb;(1):43–3 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Oxypurine concentration in the CSF in children with different diseases of the nervous system. Manzke H, et al. **Neuropediatrics** 1981 Aug;12(3):209–14

METABOLISM

Purine biosynthesis and catabolism in soybean root nodules: incorporation of 14C from 14CO2 into xanthine. Boland MJ, et al. **Arch Biochem Biophys** 1982 Feb;213(2):486–91

Enhanced production of hydroxyl radicals by the xanthine–xanthine oxidase reaction in the presence of lactoferrin. Bannister JV, et al. **Biochim Biophys Acta** 1982 Mar 15;715(1):116–20

Guanine nucleotide and cation regulation of the binding of [3H]cyclohexyladenosine and [3H]diethylphenylxanthine to adenosine A1 receptors in brain membranes. Goodman RR, et al. **Mol Pharmacol** 1982 Mar;21(2):329–35

Determinants of nucleic acid adduct formation. Scribner JD. **Natl Cancer Inst Monogr** 1981 Dec;(58):173–81

PHARMACODYNAMICS

Dissociation between the effects of some xanthine derivatives on the tracheal smooth muscle and on the skeletal muscle. Jeppsson AB, et al. **Acta Pharmacol Toxicol (Copenh)** 1982 Aug;51(2):115–21

Enprofylline, a principally new antiasthmatic xanthine. Persson CG, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):313–6

Adenosine antagonism, a less desirable characteristic of xanthine asthma drugs? Persson CG, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):317–20

Influence of newly-synthetized xanthine derivatives on phosphodiesterase with high Km in homogenates of different organs and on lipolysis in vivo. Bogoslovova T, et al. **Acta Physiol Pharmacol Bulg** 1981;6(3):48–53

Effects of 1-(5'-oxohexyl)-3-methyl-7-propylxanthine (HWA 285) on viability of ischemic jeopardized myocardium after acute coronary artery occlusion and reperfusion. Fiedler VB, et al. **Arch Int Pharmacodyn Ther** 1981 Nov;254(1):70–84

Calcium and pancreatic beta-cell function: modification of 45Ca fluxes by methylxanthines and dibutyryl cyclic-AMP. Gylfe E, et al. **Biochem Med** 1981 Dec;26(3):365–76

Resistance of a separated form of canine ureteral phosphodiesterase activity to inhibition by xanthines and papaverine. Weiss RM, et al. **Biochem Pharmacol** 1981 Aug 15;30(16):2371–4

The structure of methylated xanthines in relation to their effects on DNA synthesis and cell lethality in nitrogen mustard-treated cells. Murnane JP, et al. **Biophys J** 1981 Sep;35(3):665–76

Effects of caffeine, theophylline and theobromine on scheduled controlled responding in rats. Carney JM. **Br J Pharmacol** 1982 Mar;75(3):451–4

The effect of a xanthine derivative, 1-(5'oxohexyl)-3-methyl-7-propylxanthine (HWA 285), on heart performance and regional blood flow in dogs and rabbits. Hudlicka O, et al. **Br J Pharmacol** 1981 Apr; 72(4):723–30

Methylxanthines antagonize adenosine but not morphine inhibition in guinea pig ileum. Gallant CA, et al. **Can J Physiol Pharmacol** 1981 Aug;59(8):886–9

Sister chromatid exchanges induced by methylxanthines contained in coffee, tea and cocoa. Renner HW. **Experientia** 1982 May 15;38(5):600

Adenosine 3',5'-phosphate phosphodiesterase and pheromone response in the yeast Saccharomyces cerevisiae. Liao HH, et al. **J Bacteriol** 1981 Dec;148(3):919–25

Effects of methylxanthines on superprecipitation of myosin B extracted from rabbit fast skeletal muscle. Mayahara T, et al. **J Biochem (Tokyo)** 1982 Feb;91(2):651–5

Inhibition of separated forms of cyclic nucleotide phosphodiesterase from pig coronary arteries by 1,3-disubstituted and 1,3,8-trisubstituted xanthines. Wells JN, et al. **J Med Chem** 1981 Aug;24(8):954–8

Sensitivity of Ca-dependent slow action potentials to methacholine is induced by phosphodiesterase inhibitors in embryonic chick ventricles. Linden J, et al. **J Pharmacol Exp Ther** 1982 Aug;222(2):383–8

Differentiation between bronchodilation and universal adenosine antagonism among xanthine derivatives. Persson CG, et al. **Life Sci** 1982 Jun 21;30(25):2181–9

Selective phosphodiesterase inhibition and alterations of cardiac function by alkylated xanthines. Mushlin P, et al. **Mol Pharmacol** 1981 Jul;20(1):179–89

Xanthine derivatives that selectively inhibit cyclic GMP hydrolysis potentiate cardiac contractile effects of isoproterenol but not those of bethanecol. Mushlin P, et al. **Mol Pharmacol** 1981 Jul;20(1):190–4

Effects of pentoxifylline and various methylxanthine derivatives on transepithelial water permeability of frog urinary bladder. Favard P, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:305–8

A tentative explanation of the stimulatory effect of methylxanthines (pentoxifylline and isobutylmethylxanthine) on the secretory process in rat extraorbital lacrimal gland. Herman G, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:309–12

Filterability and pharmacology. Effects of methylxanthine derivatives on red cell phosphorylation. Lecomte MC, et al. **Scand J Clin Lab Invest [Suppl]** 1981;156:291–5

Effects of xanthines and colchicine on the longevity, photoconductive properties and yellow pigment structure of the Oriental hornet Vespa orientalis L. Ishay JS, et al. **Toxicology** 1981;21(2):129–40

URINE

An automated HPLC assay for simultaneous quantitation of methylated xanthines and uric acids in urine. Tang-Liu DD, et al. **J Chromatogr Sci** 1982 Apr;20(4):155–9

[Routine urinary oxypurine assays for the detection of xanthine-oxidase deficiency (author's transl)] Brault D, et al. **Nouv Presse Med** 1982 Mar 27;11(14):1059–61 (Eng. Abstr.) **(Fre)**

XANTHINOL NIACINATE see under **THEOPHYLLINE**

XANTHOGRANULOMA, JUVENILE see **XANTHOMA, JUVENILE**

XANTHOMA, JUVENILE

COMPLICATIONS

Cerebrotendinous xanthomatosis: A cause of cataracts and tendon xanthoma. Swartz M, et al. **Am J Med Sci** 1982 May-Jun;283(3):147–52

Neonatal juvenile xanthogranulomatosis with pulmonary, extrapleural and hepatic involvement. One case report. Diard F, et al. **Ann Radiol (Paris)** 1982 Feb;25(2):113–8 **(Eng, Fre)**

Verruciform xanthoma in an epithelial nevus. Palestine RF, et al. **Arch Dermatol** 1982 Sep;118(9):686–91

Renal pseudotumours caused by xanthogranulomatous pyelonephritis. Watson AR, et al. **Arch Dis Child** 1982 Aug; 57(8):635–7

Juvenile xanthogranuloma in a child with insulin-dependent diabetes mellitus. Ginsberg-Fellner F, et al. **Int J Dermatol** 1982 Jan-Feb;21(1):36–9

Juvenile xanthogranuloma. Harley RD, et al. **J Pediatr Ophthalmol Strabismus** 1982 Jan-Feb;19(1):33–9

DIAGNOSIS

Chronic granulomatous disease presenting as xanthogranulomatous pyelonephritis in late childhood. Johansen KS, et al. **J Pediatr** 1982 Jan;100(1):98–100

Xanthogranulomatous pyelonephritis in an infant. Danielli L, et al. **J Urol** 1982 Feb;127(2):304–5

Xanthogranulomatous pyelonephritis in childhood: case report and review of English and Japanese literature. Yazaki T, et al. **J Urol** 1982 Jan;127(1):80–3

PATHOLOGY

Verruciform xanthoma or xanthomatous transformation of inflammatory epidermal nevus? Grosshans E, et al. **J Cutan Pathol** 1981 Oct;8(5):382–4

Juvenile xanthogranuloma of the oral mucosa. Cohen DM, et al. **Oral Surg** 1981 Nov;52(5):513–23

[Localized form of xanthogranulomatous pyelonephritis in a child. Case report] Roussel B, et al. **Helv Paediatr Acta** 1981 Nov;36(5):457–63 (Eng. Abstr.) **(Fre)**

[Juvenile xanthogranuloma] Molina Leguizamón EB, et al. **Med Cutan Iber Lat Am** 1981;9(4):241–6 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Xanthogranulomatous pyelonephritis in a child: preoperative x-ray diagnosis. Erlichman M, et al. **Urol Radiol** 1981, 3(1):43–5

[Wolman's disease. A rare cause of adrenal calcification in infants: a case report (author's transl)] Bretagne MC, et al. **J Radiol** 1981 Mar;62(3):197–9 (Eng. Abstr.) **(Fre)**

[A case of intracranial fibrous xanthoma (author's transl)] Abiko S, et al. **Neurol Med Chir (Tokyo)** 1981 Sep; 21(9):979–84 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Radiotherapy of unusual benign disease. Aristizabal SA, et al. **Int J Radiat Oncol Biol Phys** 1981 Oct;7(10):1437–40

Radiation therapy in the management of ocular juvenile xanthogranuloma. Fischbach J, et al. **Int J Radiat Oncol Biol Phys** 1982 May;8(5):959–60

XANTHOMATOSIS

BLOOD

Serum bile acid profiles in cerebrotendinous xanthomatosis. Beppu T, et al. **Clin Chim Acta** 1982 Feb 5;118(2-3):167–75

Abnormal high density lipoproteins in cerebrotendinous xanthomatosis. Shore V, et al. **J Clin Invest** 1981 Nov; 68(5):1295–304

Cerebrotendinous xanthomatosis: reduced serum 26-hydroxycholesterol. Javitt NB, et al. **J Lipid Res** 1982 May;23(4):627–30

Serum lipid and lipoprotein profiles in patients with xanthomas: a correlative study on xanthoma and atherosclerosis (I). Hata Y, et al. **Jpn Circ J** 1981 Nov; 45(11):1236–42

[Xanthelasma palpebrarum and dyslipoproteinaemia: two retrospective studies (author's transl)] Rouffy J, et al. **Ann Dermatol Venereol** 1982;109(3):231–5 (Eng. Abstr.) **(Fre)**

[Montgomery xanthomatosis (author's transl)] Gamby T, et al. **Sem Hop Paris** 1981 Sep 18-25;57(33-36):1402-8 (85 ref.) (Eng. Abstr.) **(Fre)**

[Quantification of very low density lipoprotein apo C and apo E peptides by isoelectric focusing in type IV hyperlipidemia, familial chylomicronemia and xanthelasma palpebrae without hyperlipidemia (author's transl)] Wada K, et al. **Nippon Ronen Igakkai Zasshi** 1981 Nov; 18(6):410-6 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Studies on xanthomatosis—occurrence of coronary artery disease (author's transl)] Hirobe K, et al. **Nippon Ronen Igakkai Zasshi** 1981 Jul;18(4):256-62 (Eng. Abstr.) **(Jpn)**

[Hypercholesterolemic xanthomatosis] Denisov LN, et al. **Vopr Revm** 1982 Jan-Mar;(1):64-5 **(Rus)**

[Xanthoadipose nodules in the sacroiliac region and their clinical importance. Lumbar and sciatic pain] Ercegovac N, et al. **Vojnosanit Pregl** 1982 May-Jun;39(3):177-83 **(Scr)**

[Xanthogranulomatous pyelonephritis. Study of 18 cases with special reference to hepatic dysfunction] Fernández Miranda C, et al. **Rev Clin Esp** 1981 Nov 30;163(4):259-64 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Xanthomas of the Achilles tendon. Karaharju E, et al. **Ann Chir Gynaecol** 1981;70(3):116-9

EEG in cerebrotendinous xanthomatosis (CTX). Berginer VM, et al. **Clin Electroencephalogr** 1982 Apr;13(2):89-96

Prenatal monitoring for Wolman's disease in a pregnancy at risk: first case in the Federal Republic of Germany. Christomanou H, et al. **Hum Genet** 1981;57(4):440-1

Simplified determination of cholestanol in serum by gas-liquid chromatography: biochemical diagnosis of cerebrotendinous xanthomatosis. Serizawa S, et al. **J Biochem (Tokyo)** 1981 Jul;90(1):17-21

Nuclear magnetic resonance tomographic imaging in xanthogranulomatous pyelonephritis. Hadley MD, et al. **J Urol** 1982 Feb;127(2):301-3

Xanthogranulomatous pyelonephritis: detailed analysis of 29 cases and a brief discussion of atypical presentations. Tolia BM, et al. **J Urol** 1981 Oct;126(4):437-42

Mixed colloid cysts- xanthogranulomas of the third ventricle. Antunes JL, et al. **Surg Neurol** 1981 Oct;16(4):256-61

Diffuse xanthogranulomatous pyelonephritis: analysis by computed tomography and sonography. Subramanyam BR, et al. **Urol Radiol** 1982;4(1):5-9

[Xanthoma in the pharynx] Jensen JH, et al. **Ugeskr Laeger** 1981 Aug 3;143(32):2039 (Eng. Abstr.) **(Dan)**

DRUG THERAPY

[Cerebrotendinous xanthomatosis: long-term treatment with chenodesoxycholic acid (author's transl)] Wolf LM, et al. **Nouv Presse Med** 1982 Mar 6;11(11):855-7 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Characterization of neutral and acid ester hydrolase in Wolman's disease. Hoeg JM, et al. **Biochim Biophys Acta** 1982 Apr 15;711(1):59-65

ETIOLOGY

Primary systemic amyloidosis presenting as extreme hyperlipidaemia with tendon xanthomas. Levy Y, et al. **Br Med J [Clin Res]** 1981 Sep 12;283(6293):699-700

An extensive solitary xanthoma of the temporal bone, associated with hyperlipoproteinaemia. Emery PJ, et al. **J Laryngol Otol** 1982 May;96(5):451-7

[Tendinous hyperlipoproteinaemic xanthomatosis associated with supravalvular aortic xanthomatosis (author's transl)] Rouffy J, et al. **Ann Med Interne (Paris)** 1981;132(5):316-8 (Eng. Abstr.) **(Fre)**

[Xanthogranulomatous pyelonephritis] Díaz González R, et al. **Actas Urol Esp** 1982 May-Jun;6(3):163-70 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Genetics of cerebrotendinous xanthomatosis (CTX): an autosomal recessive trait with high gene frequency in Sephardim of Moroccan origin. Berginer VM, et al. **Am J Med Genet** 1981;10(2):151-7

Increased Frequency of Apo E-ND phenotype and hyperapobeta-lipoproteinemia in normolipidemic subjects with xanthelasmas of the eyelids. Douste-Blazy P, et al. **Ann Intern Med** 1982 Feb;96(2):164-9

Wolman's disease: report of a case, with multiple studies. Miller R, et al. **Arch Pathol Lab Med** 1982 Jan;106(1):41-4

IMMUNOLOGY

[Hypocomplementemia of the first fractions of the classic pathway in normolipemic xanthoma planum with IgG1 monoclonal immunoglobulins (6 cases)] Kövary PM, et al. **Rev Med Interne** 1981 Oct;2(3):275-9 (Eng. Abstr.) **(Fre)**

METABOLISM

Lipid synthesis in cutaneous xanthoma. Hu CH, et al. **J Invest Dermatol** 1982 Aug;79(2):80-5

The lipid composition and localization of free and esterified cholesterol in different types of xanthomas. Vermeer BJ, et al. **J Invest Dermatol** 1982 Apr;78(4):305-8

Cholesterol synthesis and esterification in experimental xanthoma tissues. Kodama H, et al. **J Lipid Res** 1981 Sep; 22(7):1033-41

Cerebrotendinous xanthomatosis: defective liver mitochondrial hydroxylation of chenodeoxycholic acid precursors. Oftebro H, et al. **J Lipid Res** 1981 May; 22(4):632-40

Biosynthesis of cholesterol, lanosterol, and delta 7-cholestenol, but not cholestanol, in cultured fibroblasts from normal individuals and patients with cerebrotendinous xanthomatosis. Tint GS, et al. **J Lipid Res** 1982 May; 23(4):597-603

MICROBIOLOGY

Ultrastructural demonstration of intracellular bacteria in xanthogranulomatous pyelonephritis. Khalyl-Mawad J, et al. **Hum Pathol** 1982 Jan;13(1):41-7

OCCURRENCE

[Xanthomatosis cases in the Silesian Rheumatological Hospital in Ustronie] Gburek Z, et al. **Reumatologia** 1981; 19(1):35-41 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Xanthogranulomatous cholecystitis. Goodman ZD, et al. **Am J Surg Pathol** 1981 Oct;5(7):653-9

Verruciform xanthoma of the oral mucosa. Report of five cases and review of the literature. Buchner A, et al. **Arch Dermatol** 1981 Sep;117(9):563-5

Xanthogranulomatous cholecystitis: case report and review of the literature. Fligiel S, et al. **Arch Pathol Lab Med** 1982 Jun;106(6):302-4

Verruciform xanthoma. Hume WJ, et al. **Br J Oral Surg** 1980 Sep;18(2):157-61

Verruciform xanthoma of the oral mucosa. Sklavounou A, et al. **Dermatologica** 1982 Jan;164(1):41-6

Gastric xanthoma: histologic similarity to signet ring cell carcinoma. Drude RB Jr, et al. **J Clin Gastroenterol** 1982 Jun;4(3):217-21

Gastric xanthomata: the need for recognition [editorial] Humphries TJ. **J Clin Gastroenterol** 1982 Jun;4(3):275-6

[Diffuse xanthogranulomatous pyelonephritis in a 15-year-old boy (first case in Senegal)] Fall M, et al. **Dakar Med** 1981;26(2):283-90 (Eng. Abstr.) **(Fre)**

[Retroperitoneal malignant xanthogranuloma (author's transl)] Briffod M, et al. **Sem Hop Paris** 1982 Jan 14; 58(2):113-9 (Eng. Abstr.) **(Fre)**

[Role of Chester-Erdheim disease in histiocytosis (letter)] Sauvegrain J. **Sem Hop Paris** 1982 Jul 1;58(26-27):1622-3 **(Fre)**

[Fine structures of foam cells in an experimental rabbit xanthoma: progressive changes of lipid granules in the foam cells (author's transl)] Tada J. **Nippon Hifuka Gakkai Zasshi** 1981 Aug;91(9):937-54 **(Jpn)**

[An autopsy case of xanthogranuloma in the liver (author's transl)] Tanino M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Sep;78(9):1803-6 **(Jpn)**

[Xanthogranulomatous pyelonephritis, Review of 26 cases] Guillén M, et al. **Arch Esp Urol** 1981 Jul-Aug;34(4):267-72 (Eng. Abstr.) **(Spa)**

[Xanthogranulomatous pyelonephritis. Presentation of 10 cases] Ramos J, et al. **Arch Esp Urol** 1982 Jan-Feb; 35(1):5-12 **(Spa)**

[Section on clinicopathological sessions of the hospital Infantil de México. Unilateral xanthogranulomatous pyelonephritis] **Bol Med Hosp Infant Mex** 1981 Jan-Feb; 38(1):191-208 **(Spa)**

RADIOGRAPHY

Radiological case of the month. Berginer VM, et al. **Am J Dis Child** 1982 Jun;136(6):551-2

CAT scan of the month: xanthogranulomatous pyelonephritis. Gammill SL, et al. **J Tenn Med Assoc** 1981 Sep;74(9):665

Retroperitoneal xanthogranuloma. Sheinfeld A, et al. **J Urol** 1982 Apr;127(4):772-4

Computed tomography in cerebrotendinous xanthomatosis. Berginer VM, et al. **Neurology (NY)** 1981 Nov; 31(11):1463-5

XANTHOMONAS

A new toxin isolated from Xanthomonas malvacearum which inhibits mitochondrial ATP—ADP translocase. Pandian SK, et al. **Arch Biochem Biophys** 1982 Jul;216(2):768-70

ANALYSIS

[Fatty acid composition of bacteria in the genus Xanthomonas] Matyshevskaia MS, et al. **Mikrobiol Zh** 1981 Jul-Aug;43(4):448-51 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A bacteriophage-induced 5-methyldeoxycytidine 5'-monophosphate kinase. Wang RY, et al. **Biochim Biophys Acta** 1982 Jan 26;696(1):31-6

Release of alkaline phosphatase from cells of Xanthomonas oryzae by manipulation of surface permeability. Chu ST, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Sep;14(3):156-66

METABOLISM

Pyruvic acid acetal residues are transferred from phosphoenolpyruvate to the pentasaccharide-P-P-lipid. Ielpi L, et al. **Biochem Biophys Res Commun** 1981 Oct 30; 102(4):1400-8

Lipid-linked intermediates in the biosynthesis of xanthan gum. Ielpi L, et al. **FEBS Lett** 1981 Aug 3;130(2):253-6

5-methyl-dCTP deaminase induced by bacteriophage XP-12. Wang RY, et al. **J Virol** 1982 Apr;42(1):42-8

A new thymidylate biosynthesis in Xanthomonas oryzae infected by phage Xp 12. Kuo TT, et al. **Virology** 1982 Apr 30;118(2):293-300

[Exopolysaccharide formation by bacteria of the genus Xanthomonas] Matyshevskaia MS, et al. **Mikrobiol Zh** 1981 Sep-Oct;43(5):594-600 (Eng. Abstr.) **(Rus)**

XANTHOPHYLL

METABOLISM

Intestinal conversion of lutein into 3-dehydroretinol in freshwater fish, Heteropneustes fossilis & Channa straitus. Goswami UC, et al. **Indian J Biochem Biophys** 1981 Feb; 18(1):88

XANTHOTOXIN see **METHOXSALEN**

XENOGRAFT see **TRANSPLANTATION, HETEROLOGOUS**

XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

XENON

ANALYSIS

Mass spectrometric measurement of end-tidal xenon concentration for clinical stable xenon/computerized tomography cerebral blood flow studies. Dhawan V, et al. **Biomed Mass Spectrom** 1982 Jun;9(6):241-5

DIAGNOSTIC USE

Local cerebral blood flow and tissue solubility measured by stable, xenon-enhanced computerized tomography. Meyer JS, et al. **Adv Neurol** 1981;30:73-84

The in vivo autoradiographic measurement of regional cerebral blood flow using stable xenon and computerized tomography: the effect of tissue heterogeneity and computerized tomography noise. Rottenberg DA, et al. **J Cereb Blood Flow Metab** 1982;2(2):173-8

Regional pulmonary ventilation measurements by xenon enhanced dynamic computed tomography: an update. Gur D, et al. **J Comput Assist Tomogr** 1981 Oct;5(5):678-83

Xenon as a contrast agent for computed tomography. Principles and current applications. Kendall BE, et al. **J Neuroradiol** 1981;8(1):3-12 **(Eng, Fre)**

Xenon NMR: chemical shifts of a general anesthetic in common solvents, proteins, and membranes. Miller KW, et al. **Proc Natl Acad Sci USA** 1981 Aug;78(8):4946-9

133Xe and stable Xe inhalation measurements of cerebral blood flow in health and disease. Meyer JS. **Prog Nucl Med** 1981;7:95-109

Xenon as a contrast agent for imaging of the airways and lungs using digital radiography. Björk L, et al. **Radiology** 1982 Aug;144(3):475-8

In vivo mapping of local cerebral blood flow by xenon-enhanced computed tomography. Gur D, et al. **Science** 1982 Mar 5;215(4537):1267-8

Mapping local blood flow of human brain by CT scanning during stable xenon inhalation. Meyer JS, et al. **Stroke** 1981 Jul-Aug;12(4):426-36

[Computed tomographic measurement of regional cerebral blood flow by xenon enhancement (author's transl)] Segawa H, et al. **No To Shinkei** 1982 Mar;34(3):291-7 (Eng. Abstr.) **(Jpn)**

METABOLISM

Transport of radioactive oxygen, nitrogen and xenon into the rabbit thoracic aorta in situ. Davis J, et al. **Cardiovasc Res** 1981 Aug;15(8):456-61

THERAPEUTIC USE

Selection of xenon gas for rapidly disappearing retinal tamponade. Lincoff A, et al. **Arch Ophthalmol** 1982 Jun; 100(6):996-7

Application of xenon gas to clinical retinal detachment. Lincoff H, et al. **Arch Ophthalmol** 1982 Jul;100(7):1083-5

XENON RADIOISOTOPES

Regional cerebral blood flow. Milne N, et al. **Conn Med** 1982 Apr;46(4):189–90

Projected response of Panasonic dosimeters to submersion in and distant exposure by 133Xe. Oatley D, et al. **Health Phys** 1981 Sep;41(3):513–25

Evaluation of the response to xenon–133 radiations by thermoluminescent dosimeters used during the accident at Three Mile Island. Riley RJ, et al. **Health Phys** 1982 Mar; 42(3):329–34

The feasibility of performing 133Xe ventilation imaging following the perfusion study. Kipper MS, et al. **Radiology** 1982 Aug;144(3):581–6

ADMINISTRATION & DOSAGE

Visual cortex activation recorded by dynamic emission computed tomography of inhaled xenon 133. Henriksen L, et al. **Eur J Nucl Med** 1981;6(11):487–9

Atraumatic two–dimensional rCBF measurements using stationary detectors and inhalation or intravenous administration of 133–xenon. Ingvar DH, et al. **J Cereb Blood Flow Metab** 1982 Sep;2(3):271–4

ANALYSIS

Evaluation of 133Xe radiation exposure dosimetry for workers in nuclear medicine laboratories. Piltingsrud HV, et al. **Health Phys** 1982 Jun;42(6):837–48

A new instrument for survey monitoring of airborne xenon–133. Bolmsjö MS, et al. **Phys Med Biol** 1982 Jun; 27(6):861–6

Exposure to Xenon 133 in the nuclear medicine laboratory. Nishiyama H, et al. **Radiology** 1982 Apr;143(1):243–7

DIAGNOSTIC USE

Atraumatic rCBF measurement: an aid in the timing of surgery and the management of spasm following SAH. Brawanski A, et al. **Acta Neurochir (Wien)** 1982; 63(1–4):43–51

The preoperative diagnosis of pelvic congestion by means of 133Xenon injected into the cervical myometrium. Pellegri PP, et al. **Acta Obstet Gynecol Scand** 1981; 60(5):447–9

Regional cerebral blood flow measurement in man using xenon–133: two– and three–dimensional methods. Paulson OB. **Adv Neurol** 1981;30:31–9

133xe uptake in focal hepatic fat accumulation: CT correlation. Patel S, et al. **AJR** 1982 Mar;138(3):541–4

Regional cerebral blood flow: normal values in healthy volunteers obtained by a 32 probes xenon 133 inhalation system. Cossu M, et al. **Boll Soc Ital Biol Sper** 1982 Jun 30;58(12):766–72

Noninvasive rCBF determination by 133XE–inhalation with the gamma camera and functional imaging of wash–in and wash–out. A new combined approach for rCBE measurements in patients with cerebrovascular disease. Sochor H, et al. **Eur J Nucl Med** 1981;6(11):481–6

Measurements of cerebral blood flow in the pig by the 133Xe clearance technique. Interpretation of the initial part of clearance curves. Volkers AC, et al. **Eur J Nucl Med** 1981; 6(10):461–8

The estimation of liver triglyceride content by 133Xe clearance. Cooper RA, et al. **Int J Nucl Med Biol** 1982; 9(1):17–23

Intrathoracic liposarcoma: abnormal regional xenon–133 V/Q study. Spindel E, et al. **J Can Assoc Radiol** 1982 Jun; 33(2):116–8

Regional cerebral blood flow during rest and skilled hand movements by xenon–133 inhalation and emission computerized tomography. Lauritzen M, et al. **J Cereb Blood Flow Metab** 1981;1(4):385–7

Quantitative airway artefact compensation at regional cerebral blood flow measurements with radioactive gases. Nilsson BG, et al. **J Cereb Blood Flow Metab** 1982;2(1):73–8

Bronchoscopic location of bronchopleural fistula with xenon–133. Lillington GA, et al. **J Nucl Med** 1982 Apr; 23(4):322–3

Xenon–133 evidence of bronchopleural fistula healing during treatment of mixed aspergillus and tuberculous empyema. Skorodin MS, et al. **J Nucl Med** 1982 Aug;23(8):688–9

Sensitivity of Kr–81m and Xe–127 in evaluating nonembolic pulmonary disease. Susskind H, et al. **J Nucl Med** 1981 Sep;22(9):781–6

Technique for the performance of xenon–133 ventilation studies during artificial ventilation. Vieras F, et al. **J Nucl Med** 1982 Jun;23(6):540–2

The use of hypercapnia in the study of regional cerebral blood flow abnormalities with 133Xe. Jarrett F, et al. **J Surg Res** 1982 Feb;32(2):104–9

Factors affecting the trapping performance of xenon holdup––filters in nuclear medicine applications. Bolmsjö MS, et al. **Med Phys** 1982 Jan–Feb;9(1):96–105

Performance of a refrigerated charcoal trap for xenon–133. Powell M, et al. **Med Phys** 1981 Nov–Dec;8(6):892–3

Errors associated with single–scan determinations of regional cerebral blood flow by xenon enhanced CT. Good WF, et al. **Phys Med Biol** 1982 Apr;27(4):531–7

Regional cerebral blood flow by radioxenon–113 inhalation and dynamic emission tomography. Lassen NA, et al. **Prog Nucl Med** 1981;7:110–7

133Xe and stable Xe inhalation measurements of cerebral blood flow in health and disease. Meyer JS. **Prog Nucl Med** 1981;7:95–109

rCBF measurements by 133Xe inhalation: recent methodological advances. Risberg J, et al. **Prog Nucl Med** 1981;7:70–81

rCBF measurements by 133Xe inhalation: applications in neuropsychology and psychiatry. Risberg J, et al. **Prog Nucl Med** 1981;7:82–94

Atraumatic xenon–133 techniques and the measurement of cerebral blood flow in the investigation room, operating theatre and intensive care unit. Rowan JO. **Prog Nucl Med** 1981;7:57–69

Regional cerebral blood flow measured with xenon–133 inhalation using emission tomography. Lassen NA. **Rev Electroencephalogr Neurophysiol Clin** 1980 Oct–Dec; 10(4):407–11

The effects of activation procedures on regional cerebral blood flow in humans. Rozenfeld D, et al. **Semin Nucl Med** 1981 Jul;11(3):172–85

Analysis of the gamma ray spectra recorded in the use of Xenon–133 for cerebral blood flow studies. Macey DJ, et al. **Stroke** 1982 Jul–Aug;13(4):519–21

Cerebral blood flow studies in man using recirculation corrected height/area (H/A) computations for intravenous injection of 133Xenon. Namon R, et al. **Stroke** 1982 Mar–Apr;13(2):208–19

Focal cerebral ischemia measured by the intra–arterial 133xenon method. Limitations of 2–dimensional blood flow measurements. Skyhøj Olsen T, et al. **Stroke** 1981 Nov–Dec;12(6):736–44

[Estimation of hepatic blood flow with 133–Xenon (author's transl)] Kroiss A, et al. **Acta Med Austriaca** 1981;8(2):42–7 (Eng. Abstr.) **(Ger)**

[Functional scintigraphy of pulmonary ventilation with 133Xe in juvenile scoliosis (author's transl)] Grau M, et al. **Nuklearmedizin** 1981 Aug;20(4):178–82 (Eng. Abstr.) **(Ger)**

[Quantitative determination of regional cerebral circulation with Xe–133: lst experiences using this method in the clinic] Otto HJ, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1982 Feb;34(2):100–6 (Eng. Abstr.) **(Ger)**

[Regional cerebral blood flow in patients with cerebrovascular diseases by 133Xenon inhalation method (author's transl)] Arai H. **Kaku Igaku** 1981 Nov; 18(9):1321–8 **(Jpn)**

[Measurement of regional myocardial blood flow by intracoronary arterial injection of 133Xe––comparison with 201T1 myocardial scintigraphy (author's transl)] Yonekura Y, et al. **Kaku Igaku** 1981 Apr;18(3):293–301 (Eng. Abstr.) **(Jpn)**

[Clinical assessment of mean washout time and lung functional image by ventilatory steady state measurement with 133Xe (author's transl)] Kimura K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Apr;19(4):252–9 (Eng. Abstr.) **(Jpn)**

[Cerebral blood flow (CBF) with 133Xe inhalation method––CBF study during CO2 inhalation (author's transl)] Kusunoki T, et al. **No To Shinkei** 1982 Feb; 34(2):131–7 (Eng. Abstr.) **(Jpn)**

[The homemade collimator for the measurement of regional cerebral blood flow by 133Xe inhalation method using scintillation camera (author's transl)] Matsudaira M, et al. **Radioisotopes** 1981 Dec;30(12):684–6 **(Jpn)**

[Measurement of regional cerebral blood flow by 133Xe inhalation method –experimental system and its evaluation of data analysis by simulation study (author's transl)] Miura Y, et al. **Radioisotopes** 1981 Feb;30(2):92–8 (Eng. Abstr.) **(Jpn)**

[Pneumoradiography in bronchial asthma] Kalantarov KD, et al. **Klin Med (Mosk)** 1981 Oct;59(10):86–9 (Eng. Abstr.) **(Rus)**

[Evaluation of hepatic blood flow by the rectal Xe–133 clearance method] Kalantarov KD, et al. **Med Radiol (Mosk)** 1982 Feb;27(2):37–41 (Eng. Abstr.) **(Rus)**

[Collateral cerebral circulation studied by the intracarotid administration of 133Xe] Rachkov BM, et al. **Med Radiol (Mosk)** 1982 Jan;27(1):12–4 (Eng. Abstr.) **(Rus)**

[Method of local clearance of 133Xe in evaluation of the tissue blood flow in patients with thromboobliterative diseases of the arteries of the lower extremities (literature review)] Muradov NF, et al. **Sov Med** 1981;(9):76–9 (53 ref.) **(Rus)**

METABOLISM

[The influence of the body weight on the 133 xenon clearance of the brachial muscles (author's transl)] Kinner B, et al. **ZFA (Dresden)** 1982 May–Jun;37(3):199–204 (Eng. Abstr.) **(Ger)**

STANDARDS

Development of a correction factor for Xe–133 vials for use with a dose calibrator. Gels GL, et al. **J Nucl Med** 1982 Apr;23(4):357–9

XENOPUS

Toxicity and accumulation studies of cadmium (Cd2+) with freshwater organisms of different trophic levels. Canton JH, et al. **Ecotoxicol Environ Safety** 1982 Feb;6(1):113–28

ANATOMY & HISTOLOGY

Determinants of sperm nuclear shaping in the genus Xenopus. Risley MS, et al. **Chromosoma** 1982 Feb;84(4):557–69

BLOOD

Comparison of hemoglobins from the genus Xenopus (Amphibia salienta). Muir AV. **J Exp Zool** 1981 Dec; 218(3):327–33

EMBRYOLOGY

Scanning electron microscopy of cells from Xenopus hybrid embryos. Jumah H, et al. **Acta Embryol Morphol Exp** 1980 Oct;1(2):129–35

Development of the marginal zone in the rhombenecephalon of Xenopus laevis. Kevetter GA, et al. **Brain Res** 1982 Jun; 256(2):195–208

Morphology and position of growth cones in the developing Xenopus spinal cord. Nordlander RH, et al. **Brain Res** 1982 Jun;256(2):181–93

Synaptic contacts between embryonic Xenopus neurons and myotubes formed from a rat skeletal muscle cell line. Kidokoro Y, et al. **Dev Biol** 1981 Aug;86(1):12–8

Paternal gene expression in developing hybrid embryos of Xenopus laevis and Xenopus borealis. Woodland HR, et al. **J Embryol Exp Morphol** 1980 Dec;60:359–72

Rohon–Beard neuron origin from blastomeres of the 16–cell frog embryo. Jacobson M. **J Neurosci** 1981 Aug;1(8):918–22

Rohon–Beard neurons arise from a substitute ancestral cell after removal of the cell from which they normally arise in the 16–cell frog embryo. Jacobson M. **J Neurosci** 1981 Aug;1(8):923–7

GENETICS

Time course of photoreactivation of UV–induced chromosomal aberrations and lethal damage in interphase Xenopus cells. Griggs HG, et al. **Photochem Photobiol** 1981 Jul;34(1):57–62

Visualization of in vivo transcription patterns in Xenopus rDNA spacer chromatin. Trendelenburg MF. **Prog Clin Biol Res** 1982;85 Pt A:199–210

IMMUNOLOGY

The expression of antibody diversity in natural and laboratory–made polyploid individuals of the clawed toad Xenopus. Du Pasquier L, et al. **Immunogenetics** 1982 Mar; 15(3):251–60

METABOLISM

Comparative acid phosphatase distribution in the suprarenal gland of Discoglossus pictus, Xenopus laevis and Bufo bufo (Anurans, Amphibia). Manelli H, et al. **Basic Appl Histochem** 1981;25(4):189–97

PHYSIOLOGY

Properties of a blue–sensitive rod in the Xenopus retina. Witkovsky P, et al. **Vision Res** 1981;21(6):875–83

XENOPUS LAEVIS

DNA topoisomerase I from mitochondria of Xenopus laevis oocytes. Brun G, et al. **Eur J Biochem** 1981 Aug; 118(2):407–15

[Abnormal thyroid gland occurred in a colony of Xenopus laevis maintained at Gumma University (author's transl)] Nobunaga T, et al. **Jikken Dobutsu** 1981 Oct;30(4):471–80 (Eng. Abstr.) **(Jpn)**

ANATOMY & HISTOLOGY

The amphibian epidermis: distribution of mitochondria–rich cells and the effect of oxytocin. Brown D, et al. **J Cell Sci** 1981 Dec;52:197–213

Plasticity in a central nervous pathway in xenopus: anatomical changes in the isthmotectal projection after larval eye rotation. Udin SB, et al. **J Comp Neurol** 1981 Dec 20;203(4):575–94

CYTOLOGY

A giant cell with dendritic cell properties in spleens of the anuran amphibian Xenopus laevis. Baldwin WM 3d, et al. **Dev Comp Immunol** 1981 Summer;5(3):461–73

EMBRYOLOGY

The influence of artificial and 'natural' substrates on the morphology of amphibian embryonic cells. Jumah H, et al. **Acta Embryol Morphol Exp** 1981 Aug;2(1):29–41

Temporo–nasal asymmetry in the accretion of retinal ganglion cells in late larval and postmetamorphic Xenopus. Tay D, et al. **Anat Embryol (Berl)** 1982;164(1):75–83

The development of the diencephalon in Xenopus. An autoradiographic study. Tay D, et al. **Anat Embryol (Berl)** 1982;163(4):371–88

Observations on the development of descending pathways from the brain stem to the spinal cord in the clawed toad Xenopus laevis. ten Donkelaar HJ, et al. **Anat Embryol (Berl)** 1982;163(4):461–73

The movement of the prospective eye vesicles from the neural plate into the neural fold in Ambystoma mexicanum and Xenopus laevis. Brun RB. **Dev Biol** 1981 Nov;

88(1):192–9
A gradient of poly(A)+ RNA sequences in Xenopus laevis eggs and embryos. Carpenter CD, et al. **Dev Biol** 1982 May;91(1):43–9
The development of myofibrils in cultured muscle cells: a whole-mount and thin-section electron microscopic study. Peng HB, et al. **Dev Biol** 1981 Nov;88(1):121–36
Effects of cholera toxin and actinomycin on synthesis of [35s]methionine-labeled proteins during progesterone-induced maturation of Xenopus laevis oocytes. YoungLai EV, et al. **Dev Biol** 1982 May; 91(1):36–42
Changes in energy metabolism during the early development of Xenopus laevis. Løvtrup-Rein H, et al. **Exp Cell Biol** 1982;50(3):162–8
The formation of somites and early myotomal myogenesis in Xenopus laevis, Bombina variegata and Pelobates fuscus. Kiełbówna L. **J Embryol Exp Morphol** 1981 Aug; 64:295–304
Mitochondrial number, cytochrome oxidase and succinic dehydrogenase activity in Xenopus laevis oocytes. Marinos E, et al. **J Embryol Exp Morphol** 1981 Apr;62:395–409
Somitogenesis in the amphibian Xenopus laevis: scanning electron microscopic analysis of intrasomitic cellular arrangements during somite rotation. Youn BW, et al. **J Embryol Exp Morphol** 1981 Aug;64:23–43
Electrogenic responses induced by neutral amino acids in endoderm cells from Xenopus embryo. Bergman C, et al. **J Physiol (Lond)** 1981 Sep;318:259–78
Cellular titers and subcellular distributions of abundant polyadenylate-containing ribonucleic acid species during early development in the frog Xenopus laevis. Dworkin MB, et al. **Mol Cell Biol** 1981 Nov;1(11):983–93
31P NMR reveals increased intracellular pH after fertilization in Xenopus eggs. Nuccitelli R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4421–5
Contact relations and guidance of primordial germ cells on their migratory route in embryos of Xenopus laevis. Heasman J, et al. **Proc R Soc Lond [Biol]** 1981 Sep 17; 213(1190):41–58
Investigation of possible cholinergic mechanisms in fertilization of Xenopus eggs. Robbins N, et al. **Proc R Soc Lond [Biol]** 1981 Sep 17;213(1190):59–72
Tissue interactions during axial structure pattern formation in amphibia. Malacinski GM, et al. **Scan Electron Microsc** 1981;(Pt 2):307–18 (34 ref.)

GENETICS

'Degenerative cement gland' (DCG), a lethal recessive mutation in xenopus laevis. Droin A. **Acta Embryol Morphol Exp** 1981 Dec;2(2):101–13
A comparative ultrastructural and physiological study on melanophores of wild-type and periodic albino mutants of Xenopus laevis. Seldenrijk R, et al. **Cell Tissue Res** 1982 Jan;222(1):1–9
Mature 23 SrRNA of prokaryotes appears homologous with the precursor of 25—28 rRNA of eukaryotes: comments on the evolution of 23—28 rRNA. Cox RA, et al. **FEBS Lett** 1981 Jul 20;130(1):1–6
Nucleotide sequences of cloned cDNA fragments specific for six Xenopus laevis ribosomal proteins. Amaldi F, et al. **Gene** 1982 Mar;17(3):311–6
Organization and sequence analysis of a cluster of repetitive DNA elements from Xenopus laevis. Spohr G, et al. **J Mol Biol** 1981 Oct 5;151(4):573–92
Albumin is encoded by 2 messenger RNAs in Xenopus laevis. Schoenberg DR. **Nucleic Acids Res** 1981 Dec 21; 9(24):6669–88
In vitro replication of recombinant plasmids carrying chromosomal segments of Xenopus laevis. Hiraga S, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3697–701
Stimulation of Xenopus oocyte protein synthesis by microinjected adenovirus RNA. Richter JD, et al. **Proc Natl Acad Sci USA** 1982 Jun;79(12):3789–93
Expression and organization of the globin genes in Xenopus laevis. Hosbach HA, et al. **Prog Clin Biol Res** 1982;85 Pt A:115–25
Developmentally regulated poly(A) containing RNA sequences in Xenopus laevis. John ME, et al. **Prog Clin Biol Res** 1982;85 Pt A:149–58
Structure of the active nucleolar chromatin of Xenopus laevis oocytes. Labhart P, et al. **Prog Clin Biol Res** 1982;85 Pt A:173–86
Characterization and sequence analysis of interspersed repetitive DNA sequences transcribed in X.laevis embryos. Reith W, et al. **Prog Clin Biol Res** 1982;85 Pt A:139–48
Dominant lethality in Xenopus laevis induced with triethylenemelamine (TEM). McKinnell RG, et al. **Teratogenesis Carcinog Mutagen** 1980;1(3):283–94

GROWTH & DEVELOPMENT

A stage-specific inhibitory effect of benzamil on Xenopus oocyte maturation located at the cell surface. Cameron IL, et al. **Exp Cell Res** 1982 Jun;139(2):455–7
The development of the retinotectal projections from compound eyes in Xenopus. Straznicky C, et al. **J Embryol Exp Morphol** 1981 Apr;62:13–35

IMMUNOLOGY

Early events in the development of the immune system of Xenopus laevis: characterization of lymphocytes in two-day-old embryos. Bruning H, et al. **Dev Comp Immunol** 1981 Fall;5(4):607–16
An improved method for the isolation of leucocytes from Xenopus laevis blood. McKnight BJ, et al. **Dev Comp Immunol** 1982 Spring;6(2):381–4
Autoradiographic study on the distribution of thymus-derived and thymus-independent lymphocytes in the spleen of Xenopus laevis. Obara N. **Dev Comp Immunol** 1982 Winter;6(1):95–104
Internal histoincompatability during amphibian metamorphosis? Jones SE, et al. **Immunology** 1981 Aug; 43(4):741–5
Effect of skin allograft immunization on the mixed leukocyte reaction of the clawed frog, Xenopus laevis. Barlow EH, et al. **Transplantation** 1981 Oct;32(4):282–5

METABOLISM

Poor evidence for insulin/insulin-like immunoreactivity in the CNS of lower vertebrates. Bernstein HG, et al. **Acta Histochem (Jena)** 1981;69(1):57–60
Phosphorylation of ribosomal proteins during maturation of Xenopus laevis oocytes. Hanocq-Quertier J, et al. **Eur J Biochem** 1981 Nov;120(2):351–5
Correlation among the changes in the levels of thyroid hormones, thyrotropin and thyrotropin-releasing hormone during the development of Xenopus laevis. Bray T, et al. **Exp Cell Biol** 1982;50(2):101–7
A microspectrophotometric study of normal and artificial visual pigments in the photoreceptors of Xenopus laevis. Witkovsky P, et al. **Vision Res** 1981;21(6):867–73
[Ontogenesis of the acetylcholine system in the brain of the South African clawed toad (Xenopus laevis Daudin)] Schlesinger C. **J Hirnforsch** 1981;22(5):543–53 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Central action of L-DOPA in blood pressure regulation and effect on catecholamine content in the frog, Xenopus laevis. Henning M, et al. **Comp Biochem Physiol [C]** 1981; 70(1):117–21
The genesis and transmission of epidermal potentials in an amphibian embryo. Sato E, et al. **Dev Biol** 1981 Nov; 88(1):137–46
Adenylate cyclase activity in Xenopus laevis ovarian follicles. Jordana X, et al. **Mol Cell Biochem** 1981 Oct 30;40(2):85–91
Modulation of the neural control of the clasp reflex in male Xenopus laevis by androgens: a multidisciplinary study. Erulkar SD, et al. **Proc Natl Acad Sci USA** 1981 Sep; 78(9):5876–80

SURGERY

Skin autografts as markers in the toad (Xenopus laevis). Verhoeff-de Fremery R, et al. **Lab Anim** 1982 Apr; 16(2):156–8

XERODERMA see **ICHTHYOSIS**

XERODERMA PIGMENTOSUM

Awake blind nasal intubation in a patient with xeroderma pigmentosum. Meyer RJ. **Anaesth Intensive Care** 1982 Feb; 10(1):64–6

COMPLICATIONS

Carcinoma of the tongue in a boy with xeroderma pigmentosum. Harper JI, et al. **Clin Exp Dermatol** 1981 Nov;6(6):601–4
Xeroderma pigmentosum: neurological, neurophysiological and morphological studies. Hakamada S, et al. **Eur Neurol** 1982;21(2):69–76
Carcinoma of the tongue in a patient with xeroderma pigmentosum. Yagi K, et al. **Int J Oral Surg** 1981 Feb; 10(1):73–6
Skin cancer developing in xeroderma pigmentosum patient: relaxing sunlight avoidance [letter] Lynch HT, et al. **Lancet** 1981 Nov 28;2(8257):1230
[Association of rheumatoid arthritis and Kaposi's disease. Apropos of a case] Piette AM, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):735–7 **(Fre)**

DRUG THERAPY

[Xeroderma pigmentosum and long-term treatment with an aromatic retinoid. Preventive effect on epitheliomatous degeneration?] Claudy AL, et al. **Ann Dermatol Venereol** 1982;109(3):271–4 **(Fre)**

ENZYMOLOGY

Heat-labile glucose-6-phosphate dehydrogenase in cultured fibroblasts from patients with De Sanctis-Cacchione Syndrome. Okada N, et al. **Arch Dermatol Res** 1981; 271(3):341–6
Induction of plasminogen activator by UV light in normal and xeroderma pigmentosum fibroblasts. Miskin R, et al. **Proc Natl Acad Sci USA** 1981 Oct;78(10):6236–40

ETIOLOGY

[Immune deficiency and Kaposi's disease in 2 young male homosexuals (letter)] Laroche L, et al. **Nouv Presse Med** 1982 May 8;11(21):1637–8 **(Fre)**

FAMILIAL & GENETIC

Investigation of the sister chromatid exchange (SCE) frequency in one patient with xeroderma pigmentosum. Went M, et al. **Arch Dermatol Res** 1981;271(4):407–9
A child with xeroderma pigmentosum and G6PD deficiency. Harper JI, et al. **Clin Exp Dermatol** 1982 Mar;7(2):213–6
Xeroderma pigmentosum variants. Cleaver JE, et al. **Cytogenet Cell Genet** 1981;31(3):188–92
Complement analysis of xeroderma pigmentosum variants. Jaspers NG, et al. **Exp Cell Res** 1981 Nov;136(1):81–90
Phenotypic correction of the defect in xeroderma pigmentosum cells after fusion with isolated cytoplasts. Keijzer W, et al. **Exp Cell Res** 1982 Jul;140(1):119–25
Light-induced chromatid damage in human skin fibroblasts in culture in relation to their neoplastic potential. Parshad R, et al. **Int J Cancer** 1981 Sep 15;28(3):335–40
Induction and repair of psoralen cross-links in DNA of normal human and xeroderma pigmentosum fibroblasts. Bredberg A, et al. **Mutat Res** 1982 Mar;93(1):221–34
Chromosomal damage induced by furocoumarins and UVA in hamster and human cells including cells from patients with ataxia telangiectasia and xeroderma pigmentosum. Natarajan AT, et al. **Mutat Res** 1981 Nov;84(1):113–24
The inhibition of DNA repair by aphidicolin or cytosine arabinoside in X-irradiated normal and xeroderma pigmentosum fibroblasts. Waters R, et al. **Mutat Res** 1982 May;94(1):229–34
Transfection of cells from a xeroderma pigmentosum patient with normal human DNA confers UV resistance. Takano T, et al. **Nature** 1982 Mar 18;296(5854):269–70
[Xeroderma pigmentosum (author's transl)] Gharbi MR. **Ther Umsch** 1982 Mar;39(3):193–201 (Eng. Abstr.) **(Fre)**
[Xeroderma pigmentosum] Went M, et al. **Orv Hetil** 1981 Mar 29;122(13):767–9 **(Hun)**

IMMUNOLOGY

How important are somatic mutations and immune control in skin cancer? Reflections on xeroderma pigmentosum. Bridges B. **Carcinogenesis** 1981;2(5):471–2

METABOLISM

Failure of RNA synthesis to recover after UV irradiation: an early defect in cells from individuals with Cockayne's syndrome and xeroderma pigmentosum. Mayne LV, et al. **Cancer Res** 1982 Apr;42(4):1473–8
DNA damage and its repair in human normal or xeroderma pigmentosum fibroblasts treated with 4-nitroquinoline 1-oxide or its 3-methyl derivative. Mirzayans R, et al. **Carcinogenesis** 1981;2(12):1359–62
DNA repair in normal human and xeroderma pigmentosum group A fibroblasts following treatment with various methanesulfonates and the demonstration of a long-patch (u.v.-like) repair component. Snyder RD, et al. **Carcinogenesis** 1982;3(1):7–14
Alkaline sucrose sedimentation analysis as an indicator of repair capability of xeroderma pigmentosum fibroblasts for 4-nitroquinoline-1-oxide damage. Walker IG. **Carcinogenesis** 1981;2(8):691–5
Interaction of human and chick DNA repair functions in UV-irradiated xeroderma pigmentosum-chick erythrocyte heterokaryons. Bootsma D, et al. **Exp Cell Res** 1982 Jan; 137(1):181–9
Reaction of anthramycin with DNA. Biological consequences of DNA damage in normal and xeroderma pigmentosum cell. Petrusek RL, et al. **J Biol Chem** 1982 Jun 10;257(11):6207–16
Mechanisms of inhibition of DNA replication by ultraviolet light in normal human and xeroderma pigmentosum fibroblasts. Kaufmann WK, et al. **J Mol Biol** 1981 Jun 25; 149(2):171–87
Replication of simian virus 40 DNA in normal human fibroblasts and in fibroblasts from xeroderma pigmentosum. Ozer HL, et al. **J Virol** 1981 Aug;39(2):481–9
[DNA repair of some patients with xeroderma pigmentosum (author's transl)] Madrigal E, et al. **Rev Invest Clin** 1981 Jul-Sep;33(3):263–8 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Early onset of skin and oral cavity neoplasms in xeroderma pigmentosum [letter] Kraemer KH, et al. **Lancet** 1982 Jan 2;1(8262):56–7

PATHOLOGY

The peripheral neuropathy in De Sanctis-Cacchione syndrome. Histological, ultrastructural, and morphometric studies. Fukuhara N, et al. **Acta Neuropathol (Berl)** 1982; 56(3):194–200
Ocular findings in xeroderma pigmentosum: report of two cases. Stenson S. **Ann Ophthalmol** 1982 Jun;14(6):580–5
Inactivation of ultraviolet repair in normal and xeroderma pigmentosum cells by methyl methanesulfonate. Cleaver JE. **Cancer Res** 1982 Mar;42(3):860–3
[Xeroderma pigmentosum and its cancerous change—a report of 7 cases (author's transl)] Zhang CY. **Chung Hua Chung Liu Tsa Chih** 1981 Nov;3(4):284–6 (Eng. Abstr.) **(Chi)**
[Pigmented xerodermoid and multiple keratoacanthomatosis. Apropos of a case] Murillo Capitán E, et al. **Actas Dermosifiliogr** 1981 Jul-Aug;72(7–8):365–70 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Enhanced cell killing and mutagenesis by ethylnitrosourea in xeroderma pigmentosum cells. Simon L, et al. **Carcinogenesis** 1981;2(6):567–70

Frequency of UV-induced neoplastic transformation of diploid human fibroblasts is higher in xeroderma pigmentosum cells than in normal cells. Maher VM, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(8):2613–7

[De Sanctis–Cacchione syndrome: a report of a case and a review of the literature (author's transl)] Muramoto O, et al. **Rinsho Shinkeigaku** 1981 Nov;21(11):986–92 (Eng. Abstr.) **(Jpn)**

RADIOTHERAPY

Xeroderma pigmentosum in radiation oncology practice [letter] Kim R, et al. **Int J Radiat Oncol Biol Phys** 1982 Feb;8(2):313

Xeroderma Pigmentosum and medulloblastoma: chromosomal damage to lymphocytes during radiotherapy. Giannelli F, et al. **Radiat Res** 1981 Oct;88(1):194–208

ULTRASTRUCTURE

Size and frequency of gaps in newly synthesized DNA of xeroderma pigmentosum human cells irradiated with ultraviolet light. Meneghini R, et al. **Biophys J** 1981 Jan; 33(1):81–92

XEROMAMMOGRAPHY see under **MAMMOGRAPHY**

XEROPHTHALMIA

COMPLICATIONS

Increased susceptibility to infection in experimental xerophthalmia. DeCarlo JD, et al. **Arch Ophthalmol** 1981 Sep;99(9):1614–7

Surgical correction of blepharoptosis and lower-eyelid retraction in dry-eyed patients. Sisler HA. **Arch Ophthalmol** 1982 May;100(5):800–1

Correlation of stages of xerophthalmia with grades of malnutrition. Mathew M, et al. **Indian J Ophthalmol** 1981 OCT;29(3):191–3

Nutrition and eye (convenors' remarks). Reddy PS. **Indian J Ophthalmol** 1981 Dec;29(4):495–7

Hypovitaminosis A associated with helminth infestations. Roy IS, et al. **Indian J Ophthalmol** 1981 Dec;29(4):485–8

DIAGNOSIS

Night blindness as a tool for xerophthalmia screening [letter] Gupta MC, et al. **Am J Clin Nutr** 1981 Sep;34(9):1985–6

Tear film physiology and contact lens wear. I. Pertinent aspects of tear film physiology. Holly FJ. **Am J Optom Physiol Opt** 1981 Apr;58(4):324–30

Conjunctival appearance in corneal xerophthalmia. Sommer A. **Arch Ophthalmol** 1982 Jun;100(6):951–2

DRUG THERAPY

Goblet cell response to vitamin A treatment for corneal xerophthalmia. Sommer A, et al. **Am J Ophthalmol** 1982 Aug;94(2):213–5

Protein deficiency and treatment of xerophthalmia. Sommer A, et al. **Arch Ophthalmol** 1982 May;100(5):785–7

Clinical evaluation of methylcellulose as tear substitute. Rangwala AT, et al. **Indian J Ophthalmol** 1981 Jan; 28(4):183–7

Lacrisert. **Med Lett Drugs Ther** 1981 Nov 27;23(24):104

[Double-blind trial of natural-type artificial tears in 33 cases of ocular dryness] Deschampe F, et al. **Bull Soc Ophtalmol Fr** 1981 Oct;81(10):827–32 (Eng. Abstr.) **(Fre)**

[Value of inserts in the treatment of dry eye syndromes (preliminary results)] Huguet P, et al. **Bull Soc Ophtalmol Fr** 1981 Dec;81(12):1173–7 (Eng. Abstr.) **(Fre)**

['Dry eye' and artificial tear solutions (author's transl)] Burger M, et al. **Klin Monatsbl Augenheilkd** 1982 Mar; 180(3):227–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Dietary practices and xerophthalmia among Indonesian children. Tarwotjo I, et al. **Am J Clin Nutr** 1982 Mar; 35(3):574–81

The effects of PUVA on the eye. Backman HA. **Am J Optom Physiol Opt** 1982 Jan;59(1):86–9

Nutritional factors in corneal xerophthalmia and keratomalacia. Sommer A. **Arch Ophthalmol** 1982 Mar; 100(3):399–403

Relative significance of protein calorie malnutrition and vitamin A and carotene level in the etiology of xerophthalmia in Indian children. Jain MR, et al. **Indian J Ophthalmol** 1981 Dec;29(4):467–72

IMMUNOLOGY

[Demonstration of antilacrimal gland antibodies in the dry syndrome] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1981 Dec; 81(12):1153–4 **(Fre)**

OCCURRENCE

Xerophthalmia: a review of hospital out-patient records. Demeke T, et al. **Ethiop Med J** 1982 Jan;20(1):15–20

Incidence of xerophthalmia in Assam. Dutta LC, et al. **Indian J Ophthalmol** 1981 Dec;29(4):473–5

[Hypovitaminosis A in communities of the State of São Paulo, Brazil] Roncada MJ, et al. **Rev Saude Publica** 1981 Jun; 15(3):338–49 (Eng. Abstr.) **(Por)**

PATHOLOGY

Corneal xerophthalmia and keratomalacia. Sommer A, et al. **Arch Ophthalmol** 1982 Mar;100(3):404–11

Clinicohistopathologic correlations in xerophthalmic ulceration and necrosis. Sommer A, et al. **Arch Ophthalmol** 1982 Jun;100(6):953–63

PHYSIOPATHOLOGY

Lysozyme, alfa-1-antitrypsin and serum albumin in tear fluid of timolol treated glaucoma patients with and without symptoms of dry eyes. Nielsen NV, et al. **Acta Ophthalmol (Copenh)** 1981 Aug;59(4):503–9

Tear production in vitamin A-responsive xerophthalmia. Sommer A, et al. **Am J Ophthalmol** 1982 Jan;93(1):84–7

Basal and reflex human tear analysis. I. Physical measurements: osmolarity, basal volumes, and reflex flow rate. Farris RL, et al. **Ophthalmology (Rochester)** 1981 Aug; 88(8):852–7

Basal and reflex human tear analysis. II. Chemical analysis: lactoferrin and lysozyme. Stuchell RN, et al. **Ophthalmology (Rochester)** 1981 Aug;88(8):858–61

PREVENTION & CONTROL

Evaluation of the efficacy of programs for the control of severe xerophthalmia. Milton RC. **Am J Clin Nutr** 1982 Jan;35(1):140–5

Xerophthalmia control [editorial] **Lancet** 1982 Jul 3; 2(8288):28–9

Xerophthalmia control [letter] Livingstone A. **Lancet** 1982 Jul 24;2(8291):216

Control of vitamin A deficiency and xerophthalmia. **WHO Tech Rep Ser** 1982;672:1–70

THERAPY

[Humid-chamber eyeglasses in the treatment of dry keratitis] Leopold P. **Bull Soc Ophtalmol Fr** 1981 Aug–Sep; 81(8–9):697–8 **(Fre)**

[Spectacular improvement of severe dry eye syndrome by instillation of colostrum] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1982 Jan;82(1):15–6 **(Fre)**

XERORADIOGRAPHY

Tomography and xerotomography after reconstructive middle ear surgery for cholesteatoma. Brünner S, et al. **Eur J Radiol** 1982 May;2(2):102–4

Fracture of a silastic radial-head prosthesis: diagnosis and localization of fragments by xerography. A case report. Bohl WR, et al. **J Bone Joint Surg [Am]** 1981 Dec; 63-A(9):1482–3

Duplication of dental xeroradiographs. Gratt BM, et al. **Oral Surg** 1981 Oct;52(4):449–54

Xeroradiography of the thyroid. Kasai N, et al. **Radiology** 1981 Nov;141(2):439–42

Radiopaque silicone rubber and xeroradiography for the high-resolution visualization of the cerebral vasculature. Yonas H, et al. **Surg Neurol** 1982 Feb;17(2):130–1

[Xeroradiography in diagnosis of an Achilles tendon injury (author's transl)] Bruna J, et al. **Cesk Radiol** 1981; 35(6):372–7 (Eng. Abstr.) **(Cze)**

[Xeroradiography (author's transl)] Jahnke V. **Laryngol Rhinol Otol (Stuttg)** 1980;59(12):846–50 (Eng. Abstr.) **(Ger)**

[Xeroangiographic findings in patients with haemodialysis fistulas in the arm (author's transl)] Müller RP, et al. **Rontgenblatter** 1982 Jun;35(6):236–41 (Eng. Abstr.) **(Ger)**

[Xeroradiography in radiotherapy of tumors of the bone and soft parts: value in the beginning of therapy in long-term follow-up studies] Nessi R, et al. **Radiol Med (Torino)** 1981 Sep;67(9):623–32 (Eng. Abstr.) **(Ita)**

[Technical possibilities for a better demonstration of bone metastases] Pedoja G, et al. **Radiol Med (Torino)** 1981 Apr; 67(4):261–3 **(Ita)**

[A simple method of reducing irradiation of the patient and improving the results of xerotomography in pulmonary diagnostics: 'aimed' xerotomography] Sada E. **Radiol Med (Torino)** 1982;68(3):165–8 **(Ita)**

[The evaluation of bone changes in beta-thalassaemias by xeroradiography (author's transl)] Scutellari PN, et al. **Radiol Med (Torino)** 1981 Dec;67(12):913–9 (Eng. Abstr.) **(Ita)**

[Potentials of electroroentgenography in diagnosing neoplasms of the anterior mediastinum] Rabkin IKh, et al. **Vestn Rentgenol Radiol** 1981 Jul–Aug;(4):70–5 (Eng. Abstr.) **(Rus)**

[Experimental bases for electroradiography of the digestive tract] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1982;(2):5–9 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Intravenous serial xerographic carotid arteriography. Hinshaw DB Jr, et al. **AJR** 1982 Jun;138(6):1155–8

[Electroroentgenography in the diagnosis of inflammatory and tumor diseases of the ethmoidal labyrinth] Sanzharovskaia NK, et al. **Vestn Otorinolaringol** 1981 Jul–Aug;(4):45–7 (Eng. Abstr.) **(Rus)**

METHODS

Transvenous serial xeroradiography. Unproblematical examination of arteriovenous fistulae for long-term dialysis. Karnahl HM, et al. **Diagn Imaging** 1982 Mar–Apr; 51(2):57–61

Xeroradiographic evaluation of obstructive lesions of the larynx and trachea. Heller RM, et al. **J Pediatr Surg** 1981 Oct;16(5):691–3

Transvenous serial xero-arteriography: a new non-invasive angiographic method for AV-fistulas in haemodialysis patients. Konner K, et al. **Proc Eur Dial Transplant Assoc** 1981;18:305–9

[Xerography and ultrasonography in soft tissue pathology] Vukanovic S, et al. **J Belge Radiol** 1981;64(4):309–19 (Eng. Abstr.) **(Fre)**

[Teleradiography and xerography in profile incidence] Bonneau E, et al. **Rev Stomatol Chir Maxillofac** 1982; 83(2–3):107–10 **(Fre)**

[Xeroradiography. Technic, methodology, and image characteristics] Zocchi M. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):103–6 (Eng. Abstr.) **(Fre)**

[Xeroradiography] Luzzatti G. **Radiol Med (Torino)** 1981 Sep;67(9):593–8 **(Ita)**

[Patient radiation safety in performing electroroentgenography] Ivanov EV, et al. **Gig Sanit** 1981 Nov;(11):66–8 **(Rus)**

[Dosage calculation based on x-ray tonometric data in the intracavitary irradiation of cervical cancer patients] Stankevich AA, et al. **Med Radiol (Mosk)** 1981 Dec; 26(12):21–4 (Eng. Abstr.) **(Rus)**

[Electroradiography of the spine and pelvis] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1982 May–Jun;(3):34–9 (Eng. Abstr.) **(Rus)**

XEROSTOMIA

CHEMICALLY INDUCED

The postoperative drying effects of atropine and glycopyrrolate [letter] Cozanitis DA, et al. **Anaesthesia** 1982 Jan;37(1):86–7

COMPLICATIONS

The incidence of Sjögren's sicca complex in a population of patients with keratoconjunctivitis sicca. Forstot JZ, et al. **Arthritis Rheum** 1982 Feb;25(2):156–60

DRUG THERAPY

Effect of Saliment on parotid salivary gland secretion and on xerostomia caused by Sjögren's syndrome. Donatsky O, et al. **Scand J Dent Res** 1982 Apr;90(2):157–62

Xerostomia in Sjögren's syndrome treated with Sali-Synt. A double-blind cross-over trial. Kaarela K, et al. **Scand J Rheumatol** 1982;11(1):39–40

[The value of the treatment of post-radiotherapy hyposialorrhoea by dihydroergotamine (author's transl)] Bourguet J, et al. **Ann Otolaryngol Chir Cervicofac** 1981; 98(6):309–15 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

[Hydrolases of the oral fluid in xerostomia] Pozharitskaia MM, et al. **Stomatologiia (Mosk)** 1982 Mar–Apr;(2):28–30 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Xerostomia—a complication of ageing. Ettinger RL. **Aust Dent J** 1981 Dec;26(6):365–71

METABOLISM

Sialochemistry for diagnosis of Sjögren's syndrome in xerostomic patients. Ben-Aryeh H, et al. **Oral Surg** 1981 Nov;52(5):487–90

PHYSIOPATHOLOGY

[Clinical picture, diagnosis and therapy of xerostomia—attempt of a survey under pathophysiological aspects (author's transl)] Chilla R. **HNO** 1982 Jun; 30(6):201–7 (Eng. Abstr.) **(Ger)**

THERAPY

Xerostomia and artificial saliva [letter] Hoogen AD. **Aust Dent J** 1982 Apr;27(2):132

Xerostomia [letter] Newbrun E. **Oral Surg** 1981 Sep; 52(3):262–3

The use of a saliva substitute as treatment for xerostomia in Sjögren's syndrome—a case report. Weisz AS. **Oral Surg** 1981 Oct;52(4):384–6

XIPAMIDE see under **DIURETICS, SULFAMYL**

XIPHOID BONE see under **STERNUM**

XIPHOSURA see **HORSESHOE CRABS**

XYLANS see under **POLYSACCHARIDES**

XYLAZINE see under THIAZINES

XYLENES

Some lots of xylene contain substance(s) interfering with tocopherol assay [letter] Zaidman JL, et al. **Clin Chem** 1982 Feb;28(2):388–9

ADVERSE EFFECTS

Xylene-induced epilepsy following innocent glue sniffing [letter] Arthur LJ, et al. **Br Med J [Clin Res]** 1982 Jun 12;284(6331):1787

P-chloro-m-xylenol in cutting fluids: two cases of allergic contact dermatitis in machinists. Adams RM. **Contact Dermatitis** 1981 Nov;7(6):341–3

[Substitution of xylene by restilled petroleum in histological technic] Visfeldt J, et al. **Ugeskr Laeger** 1982 Mar 29; 144(13):943–5 (Eng. Abstr.) **(Dan)**

[Use of methylhippuric test in industry for assessing exposure to xylene] Mlynarczyk W, et al. **Med Pr** 1981;32(6):445–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

[Gas chromatographic determination of pseudocumene, mono-and dichloromethylpseudocumene and dichloroethane in the air] Burina AJ, et al. **Gig Tr Prof Zabol** 1982 Jun;(6):50–2 **(Rus)**

METABOLISM

Metabolic interaction between m-xylene and ethanol. Riihimäki V, et al. **Arch Toxicol** 1982 Mar;49(3–4):253–63

Thin-layer chromatography of hippuric and m-methylhippuric acid in urine after mixed exposure to toluene and xylene. Bieniek G, et al. **Br J Ind Med** 1981 Aug;38(3):304–6

Oxidative dealkylation of tertiary amines by iron(III) porphyrin-iodosoxylene system as a model of cytochrome P-450. Miyata N, et al. **Chem Pharm Bull (Tokyo)** 1981 May;29(5):1489–92

Distribution and elimination of 14C-xylene in rat. Carlsson A. **Scand J Work Environ Health** 1981 Mar;7(1):51–5

[Characteristics of the key enzyme regulation of peripheral p-xylene metabolism in Pseudomonas aeruginosa] Gorlatova NV, et al. **Mikrobiologiia** 1981 Nov–Dec; 50(6):1002–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Xylene and alcohol involvement of the human equilibrium system. Savolainen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Nov;49(5):447–51

Short-term exposure of human subjects to m-xylene and 1,1,1-trichloroethane. Savolainen K, et al. **Int Arch Occup Environ Health** 1981;49(1):89–98

Production of discrete changes in dopamine and noradrenaline levels and turnover in various parts of the rat brain following exposure to xylene, ortho-, meta-, and para-xylene, and ethylbenzene. Andersson K, et al. **Toxicol Appl Pharmacol** 1981 Sep 30;60(3):535–48

THERAPEUTIC USE

The protective potentials of 4-chloro-3, 5-xylenol (Dettol) against Mansonian schistosomiasis. Edungbola LD. **Afr J Med Med Sci** 1980 Sep–Dec;9(3–4):97–102

[Comparative effectiveness of praziquantel and chloxyl in experimental opisthorchiasis in golden hamsters] Krotov AI, et al. **Med Parazitol (Mosk)** 1982 Mar–Apr;60(2):52–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Short-term exposure of human subjects to m-xylene and 1,1,1-trichloroethane. Savolainen K, et al. **Arch Toxicol [Suppl]** 1982;5:96–9

Effects of xylene and alcohol on human visual evoked potentials. Seppäläinen AM, et al. **Dev Toxicol Environ Sci** 1980;8:83–6

Teratogenicity of a commercial xylene mixture in the mouse. Marks TA, et al. **J Toxicol Environ Health** 1982 Jan; 9(1):97–105

Are trichloroethane-based substitutes safer than xylene? [letter] Reid KJ, et al. **Med Lab Sci** 1981 Mar;38(2):145–9

Effects of xylene and xylene isomers on cytochrome P-450 and in vitro enzymatic activities in rat liver, kidney and lung. Toftgård R, et al. **Toxicology** 1982;23(2–3):197–212

URINE

High-performance liquid chromatography for the quantitative determination of the urinary metabolites of toluene, xylene, and styrene. Poggi G, et al. **Int Arch Occup Environ Health** 1982;50(1):25–31

XYLITOL

ADMINISTRATION & DOSAGE

[Carbohydrate infusion in internal diseases. A comparative study in metabolically healthy, liver diseased and diabetic patients. VI. Infusions of a glucose/xylitol mixture (1:1 ratio) over a 48-hour period] Egberts EH, et al. **Infusionsther Klin Ernahr** 1982 Apr;9(2):92–6 (Eng. Abstr.) (Ger)

[Carbohydrate infusion in internal diseases. A comparative study in metabolically health, liver diseased and diabetic patients. VII. Infusions of a glucose-fructose-xylitol mixture (relationship 1:2:1) ove 48 hours] Müller PH, et al. **Infusionsther Klin Ernahr** 1982 Jun;9(3):112–6 (Eng. Abstr.) (Ger)

ANALYSIS

Automated high pressure liquid chromatographic system for determination of mannitol, sorbitol, and xylitol in chewing gums and confections. Samaroo EC, et al. **J Assoc Off Anal Chem** 1982 Jan;65(1):76–8

DIAGNOSTIC USE

[Analysis of dental enamel permeability using labelled saccharose and xylitol] Tarján I, et al. **Fogorv Sz** 1981 Aug; 74(8):235–8 (Eng. Abstr.) **(Hun)**

[Studies on oxalate in urolithiasis. III. Effect of xylitol infusion on plasma and urinary oxalate (author's transl)] Ogawa Y. **Nippon Hinyokika Gakkai Zasshi** 1981 Dec; 72(12):1553–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Pathways of reducing equivalents in hepatocytes from starved, ethanol-induced, and hyperthyroid rats during ethanol and xylitol metabolism. Vind C, et al. **Arch Biochem Biophys** 1981 Oct 15;211(2):697–708

Extracellular hydrolase activity of the cells of the oral bacterium Streptococcus mutans isolated from man and grown on glucose or xylitol. Knuuttila ML, et al. **Arch Oral Biol** 1981;26(11):899–904

Models for the metabolic production of oxalate from xylitol in humans: a role for fructokinase and aldolase. James HM, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):117–22

Fermentation of D-xylose, xylitol, and D-xylulose by yeasts. Maleszka R, et al. **Can J Microbiol** 1982 Mar;28(3):360–3

Metabolism of glucose, fructose and xylitol in normal and streptozotocin-diabetic rats. Hämäläinen MM, et al. **J Nutr** 1982 Jul;112(7):1369–78

[Advantage of xylitol compared to glucose as an energy source during early postoperative parenteral feeding] Georgieff M, et al. **Z Ernahrungswiss** 1982 Mar;21(1):27–42 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

The effects of sugar alcohols on metabolism of growing pigs. Näsi M, et al. **Acta Vet Scand** 1981;22(3–4):344–54

A mechanism for the thiamin-sparing action of dietary xylitol in the rat. Rofe AM, et al. **Aust J Exp Biol Med Sci** 1982 Feb;60(Pt 1):101–11

A clinical trial to compare the effects of xylitol and sucrose chewing-gums on dental plaque growth. Grenby TH, et al. **Br Dent J** 1982 May 18;152(10):339–43

The effects of equal caloric amounts of xylitol, sucrose and starch on insulin requirements and blood glucose levels in insulin-dependent diabetics. Hassinger W, et al. **Diabetologia** 1981 Jul;21(1):37–40

The effects of xylitol on the secretion of insulin and gastric inhibitory polypeptide in man and rats. Salminen S, et al. **Diabetologia** 1982 Jun;22(6):480–2

Turku sugar studies XXII. A re-examination of the subjects. Mäkinen KK, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:9–28

Xylitol-mediated transient inhibition of ribitol utilization by Lactobacillus casei. London J, et al. **J Bacteriol** 1982 May; 150(2):657–61

Xylitol mediated amelioration of acetylphenylhydrazine-induced hemolysis in rabbits. Ukab WA, et al. **Metabolism** 1981 Nov;30(11):1053–9

The effect of high oral dosage of xylitol and sucrose on the biochemical properties of whole saliva in human volunteers after long-term regular consumption of xylitol. Mäkinen KK, et al. **Proc Finn Dent Soc** 1981;77(5):262–70

Hyperosmotic xylitol, prostaglandins and gastric mucosal barrier. Assouline G, et al. **Prostaglandins Med** 1981 Jul; 7(1):63–70

Comparative effects of xylitol- and sucrose-sweetened chew tablets and chewing gums on plaque quantity. Rekola M. **Scand J Dent Res** 1981 Oct;89(5):393–9

Effect of aqueous solutions of sorbitol-xylitol on plaque metabolism and on growth of Streptococcus mutans. Rölla G, et al. **Scand J Dent Res** 1981 Jun;89(3):247–50

[Palatinit and xylitol in a gnotobiotic rat experiment] Karle EJ, et al. **Dtsch Zahnarztl Z** 1981 Oct;36(10):673–8 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Fructose, xylitol and glucose in total parenteral nutrition. Ladefoged K, et al. **Intensive Care Med** 1982 Jan;8(1):19–23

The use of xylitol in the control of oral hygiene in mentally retarded children. A clinical and biochemical study. Pakkala U, et al. **Proc Finn Dent Soc** 1981;77(5):271–7

TOXICITY

The tolerance of increasing amounts of dietary xylitol in children. Akerblom HK, et al. **Int J Vitam Nutr Res** 1982; Suppl 22:53–66

Metabolic tolerance to high doses of oral xylitol in human volunteers not previously adapted to xylitol. Förster H, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:67–88

Turku sugar studies XXIII. Comparison of metabolic tolerance in human volunteers to high oral doses of xylitol and sucrose after long-term regular consumption of xylitol. Mäkinen KK, et al. **Int J Vitam Nutr Res** 1982;Suppl 22:29–49

XYLOSE

BLOOD

One-hour blood xylose in the diagnosis of cows milk protein-sensitive enteropathy. Iyngkaran N, et al. **Arch Dis Child** 1982 Jan;57(1):40–3

A reassessment of o-toluidine for determination of xylose in serum and urine [letter] Hamlin CR, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):728–9

[Relationship between xylose in the blood and ultrastructure of the intestinal mucosa in gluten intolerance. Study in children] Rusconi R, et al. **Minerva Pediatr** 1981 Oct 15; 33(19):953–8 (Eng. Abstr.) **(Ita)**

[Celiac disease: correlation of different diagnostic methods (author's transl)] Castro M, et al. **Pediatr Med Chir** 1981 Sep-Oct;3(5):403–6 (Eng. Abstr.) **(Ita)**

DEFICIENCY

A Col E1 hybrid plasmid containing Escherichia coli genes complementing d-xylose negative mutants of Escherichia coli and Salmonella typhimurium. Maleszka R, et al. **Can J Biochem** 1982 Feb;60(2):144–51

DIAGNOSTIC USE

Intestinal absorption in Saudi Arabia: an evaluation of the one hour blood xylose test. Montgomery RD, et al. **Trans R Soc Trop Med Hyg** 1982;76(1):25–8

Age-dependencies in the process of enteric absorption. Dietze F, et al. **ZFA (Dresden)** 1982 Jan-Feb;37(1):3–9

[Selection of the timing of blood D-xylose determination during the D-xylose oral test. Correlation between the 30th min xylosemia and D-xylose gastric emptying (author's transl)] Florent C, et al. **Gastroenterol Clin Biol** 1982 Mar; 6(3):252–5 **(Fre)**

[D-xylose test validity in old people (author's transl)] Guégan M, et al. **Gastroenterol Clin Biol** 1981 Dec;5(12):1165–8 (Eng. Abstr.) **(Fre)**

[Analysis of the diagnostic value of the xylose test in children] Kovács JB, et al. **Orv Hetil** 1982 Mar 7;123(10):593–4 **(Hun)**

[Xylosis T. T. screening test for intestinal biopsy in malapsorption syndrome in children (author's transl)] Vlashki R, et al. **God Zb Med Fak Skopje** 1979 Jan;25:273–8 (Eng. Abstr.) **(Mac)**

[Correlation between the results of the xylose-D test and the histomorphological aspect of the jejunal mucosa in celiac disease] Pap Z, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jul-Sep; 30(3):271–3 **(Rum)**

[The one-hour d-xylose test in the postenteritic period. Its diagnostic and therapeutic significance (author's transl)] Jurčić Z, et al. **Lijec Vjesn** 1981;103(3):79–82 (Eng. Abstr.) **(Scr)**

METABOLISM

Xylose absorption in Papua New Guineans with leprosy. Cook GC. **Acta Trop (Basel)** 1982 Mar;39(1):91–6

The inhibitory effect of N,N'-dicyclohexylcarbodiimide in active sugar uptake by Rhodotorula glutinis. Misra PC. **Biochim Biophys Acta** 1982 May 19;680(2):228–30

Fermentation of D-xylose, xylitol, and D-xylulose by yeasts. Maleszka R, et al. **Can J Microbiol** 1982 Mar;28(3):360–3

Purification and properties of a periplasmic D-xylose-binding protein from Escherichia coli K-12. Ahlem C, et al. **J Biol Chem** 1982 Mar 25;257(6):2926–31

Transport of 6-deoxy-D-glucose and D-xylose by untransformed and SV40-transformed 3T3 cells. Romano AH, et al. **J Cell Physiol** 1982 Apr;111(1):83–8

The 'Xylose test' to assess gastrointestinal absorption in the elderly: a pharmacokinetic evaluation of the literature. Mayersohn M. **J Gerontol** 1982 May;37(3):300–5

D(+)-xylose absorption test in the horse. A clinical study. Dietz HH. **Nord Vet Med** 1981 Mar;33(3):114–20

In vitro intestinal transport of D-glucose and D-xylose in two teleost. Garg VK, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1981;46(5):269–73

[Comparative studies of enteral resorption kinetics of D-xylose in humans and experimental pigs] Weiner R, et al. **Z Exp Chir** 1981;14(5):258–64 (Eng. Abstr.) **(Ger)**

[Enteral resorption in the immediate postoperative phase following selective proximal vagotomy] Weiner R, et al. **Z Exp Chir** 1981;14(5):265–72 (Eng. Abstr.) **(Ger)**

[D(+)-xylose absorption test in the horse: repeatability, effect of dosage and normal values] Rumetsch G, et al. **Zentralbl Veterinarmed [A]** 1982 Feb;29(1):28–35 (Eng. Abstr.) **(Ger)**

[Concanavalin A: its interaction with the muscle fiber surface and the stimulation of D-xylose transport] Vasianin SI, et al. **Dokl Akad Nauk SSSR** 1982;262(2):466–8 **(Rus)**

[d-Xylose absorption in chronic lead poisoning] Liubchenko PN, et al. **Sov Med** 1981;(4):27–31 (Eng. Abstr.) **(Rus)**

[Effect of protein synthesis inhibitors on D-xylose transport in frog muscle tissue] Nikol'skii NN, et al. **Tsitologiia** 1981

Nov;23(11):1263–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Chemotaxis of Spirochaeta aurantia: involvement of membrane potential in chemosensory signal transduction. Goulbourne EA Jr, et al. **J Bacteriol** 1981 Dec; 148(3):837–44

XYLOSIDASES see under **GLYCOSIDE HYDROLASES**

XYLULOSE see under **PENTOSES**

XYY KARYOTYPE see under **SEX CHROMOSOME ABNORMALITIES**

Y CHROMOSOME see under **SEX CHROMOSOMES**

YABA VIRUS

ANALYSIS

Analysis of Yaba tumor poxvirus–induced proteins in infected cells by two-dimensional gel electrophoresis. Vafai A, et al. **Virology** 1982 Jul 15;120(1):65–76

IMMUNOLOGY

Serological investigations into the presence of antibodies to Yaba 1–Lednice 110 virus in Romania. Drăgănescu N, et al. **Virologie** 1981 Jan–Mar;32(1):19–21

PHYSIOLOGY

A novel cell transformation with DNA–containing cytoplasmic Yaba tumor poxvirus. Rouhandeh H, et al. **Virology** 1982 Jul 15;120(1):77–92

YAWS

DIAGNOSIS

Yaws. Browne SG. **Int J Dermatol** 1982 May;21(4):220–3

Case for diagnosis. Disseminated (early) yaws. **Milit Med** 1981 Nov;146(11):802, 807–8

[Problems raised by endemic treponematoses (endemic syphiles and pian)] Maleville J. **Rev Med Suisse Romande** 1982 Jan;102(1):55–8 **(Fre)**

OCCURRENCE

Yaws in rural Accra. Osei L. **J Hyg Epidemiol Microbiol Immunol** 1981;25(3):293–300

PREVENTION & CONTROL

Yaws and yellow fever project—Ghana. **MMWR** 1982 Apr 2;31(12):149–50

YEAST, DRIED

see related
SACCHAROMYCES CEREVISIAE

ANALYSIS

[Amino acid composition of yeasts used in the preparation of koumiss] Shaikhiev AA. **Vopr Pitan** 1982 Mar–Apr; (2):67–9 **(Rus)**

METABOLISM

[Use of a dry casein–yeast agar for culturing and isolating the gonococcus] Gadzhieva AG, et al. **Lab Delo** 1981; (11):688–90 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A comparative study of gastric mucin and commercial baker's yeast as virulence–enhancing agents in the typhoid mouse protection test. Joó I, et al. **J Biol Stand** 1982 Jan; 10(1):17–24

Relationship of yeast–injection induced changes in brain met–enkephalin and analgesia. Chipkin RE, et al. **Peptides (Fayetteville)** 1982 Jan–Feb;3(1):31–5

THERAPEUTIC USE

Charles Pettigrew's miraculous discovery. Lane DM. **J Okla State Med Assoc** 1981 Oct;74(10):334–7

[Importance of brewer's yeast in therapy] Geissler G. **ZFA (Stuttgart)** 1981 Sep 10;57(25):1692–5 **(Ger)**

TOXICITY

[Carcinogenicity test in long–term bioassay of Fermosin–yeast grown on petroleum hydrocarbons] Schramm T, et al. **Arch Tierernahr** 1982 Apr;32(4):267–75 (Eng. Abstr.) **(Ger)**

YEASTS

Comparison of yeast and mold counts by spiral, pour, and streak plate methods. Zipkes MR, et al. **J Assoc Off Anal Chem** 1981 Nov;64(6):1465–9

[A preliminary study of the yeast flora of medical interest from Guadeloupe coastal waters (French West Indies) (author's transl)] Boiron P, et al. **Bull Soc Pathol Exot Filiales** 1982 May–Jul;75(3):272–8 (Eng. Abstr.) **(Fre)**

[The contribution of the Higher Institute of Health to the solution of hygienic and health problems connected with the production and use in animal nutrition of yeasts cultivated on n–alkanes (bioproteins)] Alberani V, et al. **Ann Ist Super Sanita** 1979;15(3):347–413 **(Ita)**

ANALYSIS

Yeast cell–wall glucans. Duffus JH, et al. **Adv Microb Physiol** 1982;23:151–81 (114 ref.)

Prophylaxis of 3–methylcholanthrene–induced tumorigenesis in mice with the yeast polysaccharide preparation. Kumano N, et al. **Tohoku J Exp Med** 1981 Aug;134(4):401–9

[Nutritional research on Toprina (yeasts cultivated on n–paraffins)] Alimenti R, et al. **Ann Ist Super Sanita** 1979; 15(3):649–89 **(Ita)**

[Verification of the use of biomasses produced on n–alkanes in animal nutrition, using the zootechnical production analysis] Boniforti L, et al. **Ann Ist Super Sanita** 1979; 15(3):587–95 **(Ita)**

[Study of the lipid constituents of yeasts cultivated on n–paraffins (Toprina and Liquipron). Methods for their determination in tissues and biological fluids of animals fed such yeasts] Boniforti L, et al. **Ann Ist Super Sanita** 1979; 15(3):473–89 **(Ita)**

[Saturated hydrocarbons in foods. Method of analysis and values found in some foods for human use and in samples of unicellular organisms] Di Muccio A, et al. **Ann Ist Super Sanita** 1979;15(3):525–40 **(Ita)**

[Critical review of the methods available for determination of aromatic polycyclic hydrocarbons in dried yeasts, in the substrates used for the production of yeasts and in various food products] Di Muccio A, et al. **Ann Ist Super Sanita** 1979;15(3):503–23 (76 ref.) **(Ita)**

[Vitamins in the biomasses for animal nutrition] Gaudiano A, et al. **Ann Ist Super Sanita** 1979;15(3):567–75 **(Ita)**

[Immunochemical method for recognition and determination of biomasses in animal feed] Silano V. **Ann Ist Super Sanita** 1979;15(3):577–86 **(Ita)**

[Fluorescent microscopic and spectrofluorometric studies of peroxisomes in yeast organisms] Medvedeva GA, et al. **Mikrobiologiia** 1981 Jul–Aug;50(4):670–6 **(Rus)**

CLASSIFICATION

A numericlature of the yeasts. Griffiths AJ. **Antonie Van Leeuwenhoek** 1981;47(6):547–63

Serological studies among sporogenous and asporogenous yeasts: antigenic structures of some Candida and related taxa. Montrocher R. **Cell Mol Biol** 1982;28(2):197–211

Serological relationships among sporogenous and asporogenous yeasts. Montrocher R. **Cell Mol Biol** 1982; 28(1):1–13

DRUG EFFECTS

Combined activity of ketoconazole and 5–fluorocytosine on potentially pathogenic yeasts. Beggs WH, et al. **Antimicrob Agents Chemother** 1982 Feb;21(2):355–7

Polycyclic aromatic hydrocarbons and possible metabolites: convertogenic activity in yeast and tumor initiating activity in mouse skin. Siebert D, et al. **J Cancer Res Clin Oncol** 1981;102(2):127–39

Effects of chemical carcinogens on bacteria and yeast: a review. Hancock RL, et al. **J Toxicol Environ Health** 1981 Mar–Apr;7(3–4):607–42 (215 ref.)

[Sensitivity of yeasts to various preparations used in veterinary medicine for disinfection and treatment of genital mucous membranes] Dahle J, et al. **Berl Munch Tierarztl Wochenschr** 1982 Feb 15;95(4):66–70 (Eng. Abstr.) **(Ger)**

[N–methyl–N'–nitro–N–nitrosoguanidine inactivation in the yeasts–mouse liver microsomes test] Pavlov IuI, et al. **Genetika (Moskva)** 1982 Feb;18(2):313–5 **(Rus)**

[Lytic action of proteases and glucanases on microorganisms] Galich IP, et al. **Mikrobiol Zh** 1982 Jan–Feb;44(1):38–42 **(Rus)**

ENZYMOLOGY

Structural studies on yeast 3–phosphoglycerate kinase. Linear arrangement of the CNBr fragments, partial amino acid sequence of the inner part of the polypeptide chain, and analyses of the N–terminal domain of the protein. Fattoum A, et al. **Int J Pept Protein Res** 1981 Mar;17(3):393–400

Site–specific endo–deoxyribonucleases in eukaryotes: endonucleases of yeasts, Saccharomyces and Pichia. Watabe H, et al. **J Biochem (Tokyo)** 1981 Dec;90(6):1623–32

Enzymes of glucose isomerization in various microorganisms. Suekane M, et al. **Z Allg Mikrobiol** 1981;21(6):457–68

[Aggregation and separability of the shikimate pathway enzymes in yeasts] Bode R, et al. **Z Allg Mikrobiol** 1981; 21(6):417–22 (Eng. Abstr.) **(Ger)**

[Transformation of 2,4,6–trinitrotoluene by microorganisms] Naumova RP, et al. **Prikl Biokhim Mikrobiol** 1982 Jan–Feb; 18(1):85–90 (Eng. Abstr.) **(Rus)**

GENETICS

Construction of yeast strains containing genetically marked transposons. Roeder GS, et al. **Fed Proc** 1982 Aug; 41(10):2653–5

Lac4 is the structural gene for beta–galactosidase in Kluyveromyces lactis. Sheetz RM, et al. **Genetics** 1981 Aug;98(4):729–45

Genetic regulation: yeast mutants constitutive for beta–galactosidase activity have an increased level of beta–galactosidase messenger ribonucleic acid. Dickson RC, et al. **Mol Cell Biol** 1981 Nov;1(11):1048–56

Reversion of a promoter deletion in yeast. Scherer S, et al. **Nature** 1982 Aug 26;298(5877):815–9

GROWTH & DEVELOPMENT

[Composition of the microorganism population in an unprotected fermentation process] Wünsche L, et al. **Z Allg Mikrobiol** 1981;21(6):469–74 (Eng. Abstr.) **(Ger)**

[Conditions and dynamics of citrate, isocitrate and polyol excretion in yeast growth on glucose] Mandeva RD, et al. **Mikrobiologiia** 1981 Jul–Aug;50(4):636–44 (Eng. Abstr.) **(Rus)**

[Wine–film yeasts. II] Esteban MC, et al. **Microbiol Esp** 1979–1980;32–33:95–101 (Eng. Abstr.) **(Spa)**

[Wine–film yeasts. I] Khayyat N, et al. **Microbiol Esp** 1979–1980;32–33:85–94 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Defective yeast opsonisation and functional deficiency of complement in sickle cell disease. Larcher VF, et al. **Arch Dis Child** 1982 May;57(5):343–6

Immunopotentiation of anticancer chemotherapy by Candida albicans, other yeasts and insoluble glucan in an experimental lymphoma model. Cassone A, et al. **Sabouraudia** 1982 Jun;20(2):115–25

ISOLATION & PURIFICATION

Yeasts in the intertidal sediments of a polluted estuary in Rio de Janeiro, Brazil. Hagler AN, et al. **Antonie Van Leeuwenhoek** 1982;48(1):53–6

Airborne yeasts in Amritsar (India). Sandhu DK, et al. **Antonie Van Leeuwenhoek** 1981;47(6):571–6

Occurrence of yeasts in urine from pregnant women. Vejlsgaard R, et al. **Dan Med Bull** 1982 May;29(4):209–10

Prevalence and significance of yeast in infantile infections. Talwar P, et al. **Indian J Med Res** 1982 Jan;75:50–7

Comparison of a slide blood culture system with a supplemented peptone broth culture method. Bryan LE. **J Clin Microbiol** 1981 Oct;14(4):389–92

The relation of stimulated salivary flow rate and pH to Lactobacillus and yeast concentrations in saliva. Parvinen T, et al. **J Dent Res** 1981 Dec;60(12):1929–35

Yeast flora of the mouth and skin during and after irradiation for oral and laryngeal cancer. Martin MV, et al. **J Med Microbiol** 1981 Nov;14(4):457–67

[Urinary tract infections caused by yeasts] Vejlsgaard R, et al. **Ugeskr Laeger** 1981 Nov 9;143(46):3029–32 **(Dan)**

[Identification of some strains of yeasts in the intestine of the working bee (Apis melifera L.) from Romania] Suciu M, et al. **Arch Roum Pathol Exp Microbiol** 1981 Apr–Jun; 40(2):163–72 (Eng. Abstr.) **(Fre)**

[Comparative histological and cultural investigations on the occurrence of yeasts in autopsy material (author's transl)] Weber A, et al. **Mykosen** 1982 Feb;25(2):82–8 (Eng. Abstr.) **(Ger)**

[Quantitative and species composition of yeasts in carp and trout grown in the discharges from the Kiev thermoelectric power plant] Kvasnikov EI, et al. **Mikrobiol Zh** 1981 Nov–Dec;43(6):709–12 (Eng. Abstr.) **(Rus)**

[Yeasts in the water of the Dnieper River] Kvasnikov EI, et al. **Mikrobiol Zh** 1982 Jan–Feb;44(1):42–5 (Eng. Abstr.) **(Rus)**

[The molds and yeasts isolated from sputa of patients with respiratory diseases (author's transl)] Ožegović L, et al. **Plucne Bolesti Tuberk** 1981 Apr–Sep;33(2–3):137–41 (Eng. Abstr.) **(Scr)**

METABOLISM

Regulation of glucose metabolism in growing yeast cells. Fiechter A, et al. **Adv Microb Physiol** 1981;22:123–83 (204 ref.)

Synthesis of the yeast cell wall and its regulation. Cabib E, et al. **Annu Rev Biochem** 1982;51:763–93 (212 ref.)

Ion transport in yeast. Borst–Pauwels GW. **Biochim Biophys Acta** 1981 Dec;650(2–3):88–127 (348 ref.)

Fermentation of D–xylose, xylitol, and D–xylulose by yeasts. Maleszka R, et al. **Can J Microbiol** 1982 Mar;28(3):360–3

Phylogenetic significance of protein and nucleotide content in yeasts. Kocková–Kratochvilová A, et al. **Folia Microbiol (Praha)** 1981;26(3):221–7

Radiometric–microbiologic assay fo vitamin B–6: analysis of plasma samples. Guilarte TR, et al. **J Nutr** 1981 Nov; 111(11):1861–8

Radiometric––microbiologic assay of vitamin B–6: application to food analysis. Guilarte TR, et al. **J Nutr** 1981 Nov;111(11):1869–75

Methane–oxidizing microorganisms. Higgins IJ, et al. **Microbiol Rev** 1981 Dec;45(4):556–90 (198 ref.)

Yield coefficients in dependence on milieu conditions and cell states. II. Influence of perturbations on continuous cultivation of the yeast Lodderomyces elongisporus on hydrocarbons. Heinritz B, et al. **Z Allg Mikrobiol** 1981; 21(8):581–6

PATHOGENICITY

[An attempt to estimate the pathogenicity of yeast-like fungi based on enzymatic properties of the fungus and on a skin infection model in the white mouse (author's transl)] Szarmach H, et al. **Mykosen** 1982 Apr;25(4):210–20 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Intracellular pH of yeast cells measured with fluorescent probes. Slavík J. **FEBS Lett** 1982 Apr 5;140(1):22–6

Industrial microorganisms. Phaff HJ. **Sci Am** 1981 Sep; 245(3):77–89

Microbiological implications of electric field effects. III. Stimulation of yeast protoplast fusion by electric field pulses. Weber H, et al. **Z Allg Mikrobiol** 1981;21(7):555–62

[Hydrogen peroxide release into the medium by growing and resting yeast cells] Eremina SS, et al. **Mikrobiologiia** 1981 May–Jun;50(3):414–7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

A comparison of the radiosensitivity of stationary, exponential and G1 phase wild type and repair deficient yeast cultures: supporting evidence for stationary phase yeast cells being in G0. Tippins RS, et al. **Int J Radiat Biol** 1982 Feb;41(2):215–20

ULTRASTRUCTURE

[Effect of chemical fixation methods on the membrane image in yeast cell sections] Stepaniuk VV, et al. **Mikrobiol Zh** 1981 Jul–Aug;43(4):455–61 (Eng. Abstr.) **(Rus)**

YELLOW FEVER

DIAGNOSIS

Indirect fluorescent antibody test for the diagnosis of yellow fever. Monath TP, et al. **Trans R Soc Trop Med Hyg** 1981; 75(2):282–6

[Several yellow fever cases in an endemic area in Ivory Coast: serological and epidemiological evidence (author's transl)] Chippaux A, et al. **Med Trop (Mars)** 1981 Jan–Feb; 41(1):53–61 (Eng. Abstr.) **(Fre)**

HISTORY

[Centenary of the discovery of the agent transmitting yellow fever] **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):3–7 **(Spa)**

[Interesting and anecdotal facts about the Cuban scholar Carlos J. Finlay, discoverer of the transmitting agent of yellow fever] Finlay Seiglie A. **Rev Cubana Med Trop** 1981 Jan–Apr;33(1):8–12 **(Spa)**

IMMUNOLOGY

Persistence of neutralizing antibody 30–35 years after immunization with 17D yellow fever vaccine. Poland JD, et al. **Bull WHO** 1981;59(6):895–900

Interferon independence of genetically controlled resistance to flaviviruses. Brinton MA, et al. **Infect Immun** 1982 Apr; 36(1):284–8

OCCURRENCE

[3 cases of yellow fever contracted in Senegal] Digoutte JP, et al. **Bull WHO** 1981;59(5):759–66 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Aedes aegypti: a sword of Damocles over tropical America. Groot H. **Bull Pan Am Health Organ** 1981;15(3):267–70

A clinical study of stabilized 17D strain live attenuated yellow fever vaccine. Moss-Blundell AJ, et al. **J Biol Stand** 1981 Oct;9(4):445–52

The conquest of yellow fever: the Rockefeller Foundation. Bowers JZ, et al. **J Med Soc NJ** 1981 Jul;78(7):539–41

Yaws and yellow fever project—Ghana. **MMWR** 1982 Apr 2;31(12):149–50

TRANSMISSION

[Experimental transmission of the yellow fever virus by the tick Amblyomma variegatum (F.) (author's transl)] Cornet JP, et al. **Bull Soc Pathol Exot Filiales** 1982 Mar–Apr; 75(2):136–40 (Eng. Abstr.) **(Fre)**

[Entomologic and epidemiologic survey on a fatal case of yellow fever occurred in Anyama district (Republic of Ivory Coast)] Cordellier R, et al. **Med Trop (Mars)** 1982 May–Jun;42(3):269–73 (Eng. Abstr.) **(Fre)**

[Sylvatic yellow fever in Africa recent advances and present approach (author's transl)] Germain M, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):31–43 (Eng. Abstr.) **(Fre)**

[Yellow fever in Senegal from 1976 to 1980 (author's transl)] Salaun JJ, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):45–51 (Eng. Abstr.) **(Fre)**

YELLOW FEVER VIRUS

GROWTH & DEVELOPMENT

Morphogenesis of yellow fever virus in Aedes aegypti cultured cells. I. Isolation of different cellular clones and the study of their susceptibility to infection with the virus. Deubel V, et al. **Am J Trop Med Hyg** 1981 Sep; 30(5):1060–70

Antibody-mediated infection of macrophages and macrophage-like cell lines with 17D-yellow fever virus. Schlesinger JJ, et al. **J Med Virol** 1981;8(2):103–17

Response of human leucocytes to yellow fever virus infection in vitro. Yamamoto M, et al. **Kobe J Med Sci** 1981 Aug; 27(4):165–72

IMMUNOLOGY

Characterization of blood mononuclear cells reacting with K 562 cells after yellow fever vaccination. Fagraeus A, et al. **Cell Immunol** 1982 Feb;67(1):37–48

A clinical study of stabilized 17D strain live attenuated yellow fever vaccine. Moss-Blundell AJ, et al. **J Biol Stand** 1981 Oct;9(4):445–52

Isolation of plaque variants differing in virulence from the 17D strain of yellow fever virus. Liprandi F. **J Gen Virol** 1981 Oct;56(Pt 2):363–70

[A case of encephalitis after anti-yellow fever vaccination with the 17 D strain] Louis JJ, et al. **Pediatrie** 1981 Oct–Nov;36(7):547–50 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

[Sylvatic yellow fever in Africa recent advances and present approach (author's transl)] Germain M, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):31–43 (Eng. Abstr.) **(Fre)**

[Yellow fever in Senegal from 1976 to 1980 (author's transl)] Salaun JJ, et al. **Med Trop (Mars)** 1981 Jan–Feb;41(1):45–51 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Morphogenesis of yellow fever virus in Aedes aegypti cultured cells. II. An ultrastructural study. Deubel V, et al. **Am J Trop Med Hyg** 1981 Sep;30(5):1071–7

YERSINIA

Yersinia enterocolitica. Swaminathan B, et al. **J Appl Bacteriol** 1982 Apr;52(2):151–83 (222 ref.)

ANALYSIS

Studies on a haemolytic substance in Yersinia enterocolitica. Pedersen KB. **Acta Pathol Microbiol Scand [B]** 1981 Aug; 89(4):211–4

Further purification and characterization of heat-stable enterotoxin produced by Yersinia enterocolitica. Okamoto K, et al. **Infect Immun** 1982 Mar;35(3):958–64

[Chromatographic profile of the genera Yersinia enterocolitica and pseudotuberculosa] Parrilla Santos E, et al. **Rev Clin Esp** 1981 Oct 31;163(2):87–9 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

An abbreviated scheme for identification of Yersinia enterocolitica isolated from food enrichments on CIN (cefsulodin-irgasan-novobiocin) agar. Devenish JA, et al. **Can J Microbiol** 1981 Sep;27(9):937–41

New bacteriophage typing system for Yersinia enterocolitica, Yersinia kristensenii, Yersinia frederiksenii, and Yersinia intermedia: correlation with serotyping, biotyping, and antibiotic susceptibility. Baker PM, et al. **J Clin Microbiol** 1982 Mar;15(3):491–502

Infection caused by Yersinia enterocolitica serotype O:21. Karmali MA, et al. **J Clin Microbiol** 1982 Apr;15(4):965–8

Characteristics of Yersinia enterocolitica and related species isolated from human, animal, and environmental sources. Shayegani M, et al. **J Clin Microbiol** 1981 Sep;14(3):304–12

[Pathogenic and epidemiologic aspects of Yersinia enterocolitica infections] Wauters G. **Bull Mem Acad R Med Belg** 1981 Oct 24;136(10):510–20 (Eng. Abstr.) **(Fre)**

[Usefulness of Enterotube II for identification of Yersinia enterocolitica isolated from animal specimen] Weber A, et al. **Berl Munch Tierarztl Wochenschr** 1981 Sep 15; 94(18):356–9 (Eng. Abstr.) **(Ger)**

[Classification of Yersinia enterocolitica based on its metabolic properties using a numerical technic] Zaremba M. **Med Dosw Mikrobiol** 1981;33(3–4):197–205 (Eng. Abstr.) **(Pol)**

[Serological types of Yersinia enterocolitica isolated from humans and from environment] Iushchenko GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):34–7 (Eng. Abstr.) **(Rus)**

[Enterobacterial taxonomy: Erwinia carotovora and Yersinia enterocolitica] Vershinina VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):49–52 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Mercury resistance in Yersinia enterocolitica. Vidon DJ, et al. **Ann Microbiol (Paris)** 1981 Sep–Oct;132B(2):225–30

The comparative activities of N-formimidoyl theinamycin (MK0787), moxalactam, cefotaxime and cefoperazone against Yersinia enterocolitica and Listeria monocytogenes [letter] Ahonkhai VI, et al. **J Antimicrob Chemother** 1982 May;9(5):411–2

Susceptibility of Yersinia enterocolitica to eight beta-lactam antibiotics and clavulanic acid. Gaspar MC, et al. **J Antimicrob Chemother** 1981 Aug;8(2):161–4

Susceptibility to mecillinam and other antibiotics of 28 O-serotypes of Yersinia enterocolitica. Juhlin I, et al. **J Antimicrob Chemother** 1981 Oct;8(4):291–7

[Antibiotic sensitivity of Yersinia enterocolitica and Yersinia pseudotuberculosis isolated from patients with the jaundice form of acute hepatitis] Gurleva GG, et al. **Antibiotiki** 1982 Jan;27(1):37–41 (Eng. Abstr.) **(Rus)**

[Effect of incubation temperature on the sensitivity of Yersinia enterocolitica and pseudotuberculosis to 8 beta-lactam antibiotics] Gaspar Gascó MC, et al. **Rev Clin Esp** 1981 Nov 15;163(3):161–2 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Comparison by electrophoresis of esterases of Yersinia enterocolitica and Yersinia pseudotuberculosis] Goullet P. **C R Seances Acad Sci [III]** 1981 Sep 28;293(3):185–7 (Eng. Abstr.) **(Fre)**

GENETICS

Plasmids in Yersinia enterocolitica serotypes O:3 and O:9: correlation with epithelial cell adherence in vitro. Vesikari T, et al. **Infect Immun** 1981 Sep;33(3):570–6

Virulence-associated plasmids from Yersinia enterocolitica and Yersinia pestis. Portnoy DA, et al. **J Bacteriol** 1981 Dec;148(3):877–83

GROWTH & DEVELOPMENT

[Survival rate of Yersinia enterocolitica in different media] Spliño M, et al. **Z Gesamte Hyg** 1981 Nov;27(11):828–32 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Serologic response to Brucella abortus of cattle and guinea pigs experimentally inoculated with a Yersinia enterocolitica serotype from milk. Nielsen K, et al. **Comp Immunol Microbiol Infect Dis** 1981;4(1):59–64

Temperature-modulated immunogenicity to Yersinia pestis from Yersinia enterocolitica O3. Alonso JM, et al. **Infect Immun** 1982 Apr;36(1):423–5

Cross-protection against fecal excretion of Yersinia enterocolitica and Yersinia pseudotuberculosis in mice by oral vaccination of viable cells. Uchida I, et al. **Infect Immun** 1982 May;36(2):837–40

Controlled trial of tetracycline prophylaxis in individuals with persistently raised Yersinia enterocolitica antibody titres [letter] Agner E, et al. **Lancet** 1981 Nov 21; 2(8256):1175

Prevalence of O agglutinins against the epizootic strains of Yersinia pseudotuberculosis serovars IB and IVA in barn rats. Kaneko K, et al. **Nippon Juigaku Zasshi** 1982 Apr; 44(2):375–7

[Yersinia enterocolitica IHA-test (author's transl)] Baier R, et al. **Immun Infekt** 1981 Jul;9(4):136–9 (Eng. Abstr.) **(Ger)**

[Protective antigen of the pseudotuberculosis microbe] Dzadzieva MF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):71–5 (Eng. Abstr.) **(Rus)**

[Immunochemical characteristics of the surface water-soluble antigens of Yersinia enterocolitica] Putilina NG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan; (1):83–6 (Eng. Abstr.) **(Rus)**

[Importance of cross reactions in evaluating the serological diagnosis of brucellosis in human beings. 1. The results of the examination of chronic brucellosis patients using the agglutination and Coombs' tests with Brucella and Yersinia (serotype 0–9) antigens] Zheludkov MM. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):37–40 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Yersinia enterocolitica in Kansas. Attempted recovery from 1,212 patients. Marymont JH Jr, et al. **Am J Clin Pathol** 1982 Jun;77(6):753–4

Isolation of Yersinia enterocolitica from children during an outbreak of enteritis. Giraldi V, et al. **Ann Ist Super Sanita** 1981;17(2):163–9

Membrane filter technique for the isolation of Yersinia enterocolitica. Bartley TD, et al. **Appl Environ Microbiol** 1982 Apr;43(4):829–34

Isolation of virulent Yersinia enterocolitica from porcine tongues. Doyle MP, et al. **Appl Environ Microbiol** 1981 Oct;42(4):661–6

Prevalence of Yersinia enterocolitica in waters of the lower Chippewa River Basin, Wisconsin. Meadows CA, et al. **Appl Environ Microbiol** 1982 Apr;43(4):953–4

Development of a two-step enrichment procedure for recovery of Yersinia enterocolitica from food. Schiemann DA. **Appl Environ Microbiol** 1982 Jan;43(1):14–27

First isolation in Ferrara (Italy) of Yersinia enterocolitica from stools in a case of infantile enteritis [letter] Bucci G, et al. **Boll Ist Sieroter Milan** 1981;60(4):331–2

Yersinia enterocolitica isolated from throats of swine in eastern and western Canada. Schiemann DA, et al. **Can J Microbiol** 1981 Dec;27(12):1326–33

Isolation of Yersinia enterocolitica from stools of acute gastroenteritis cases in Lagos, Nigeria. Agbonlahor DE,

et al. **East Afr Med J** 1981 Jul;58(7):520–4
Differential and selective medium for isolation of Yersinia enterocolitica from stools. Agbonlahor DE, et al. **J Clin Microbiol** 1982 Apr;15(4):599–602
Rapid isolation of Yersinia spp. from feces. Weissfeld AS, et al. **J Clin Microbiol** 1982 Mar;15(3):508–10
Yersinia enterocolitica: its isolation by cold enrichment from patients and healthy subjects. Van Noyen R, et al. **J Clin Pathol** 1981 Sep;34(9):1052–6
Isolation of enterotoxigenic Yersinia enterocolitica from birds in Norway. Kapperud G, et al. **J Wildl Dis** 1982 Apr; 18(2):247–8
Enterobacter cloacae, Serratia marcescens and Yersinia enterocolitica in colonies of laboratory mice, rats and rabbits: an attempt of isolation. Shimoda K, et al. **Jikken Dobutsu** 1981 Oct;30(4):503–5
Relation of the serum agglutinin and the fecal excretion of Yersinia enterocolitica 03 in mice. Ueno H, et al. **Jpn J Vet Res** 1981 Oct;29(3–4):73–8
Fecal excretion of Yersinia enterocolitica in mice and rats inoculated intragastrically. Ueno H, et al. **Jpn J Vet Res** 1981 Oct;29(3–4):67–72
Occurrence of Campylobacter fetus subsp. jejuni and Yersinia enterocolitica in domestic animals and in some foods of animal origin in Finland. Hänninen ML, et al. **Nord Vet Med** 1981 Sep–Nov;33(9–11):441–5
Yersinia enterocolitica in water and foods (author's transl) Aldová E, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981 Sep;173(6):464–70
[Yersinia enterocolitis in the South-Moravian Region in the Period 1968–1979 (author's transl)] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):48–54 (Eng. Abstr.) **(Cze)**
[isolation and identification of Yersinia enterocolitica (author's transl)] Christensen SG. **Nord Vet Med** 1981 Apr–May;33(4–5):210–7 (Eng. Abstr.) **(Dan)**
[Combined erythema nodosum and erythema multiforme caused by Yersinia enterocolitica serotype 4] Eggert J, et al. **Ugeskr Laeger** 1982 Mar 22;144(12):879–81 (Eng. Abstr.) **(Dan)**
[Occurrence of human pathogenic Yersinia enterocolitica in cats] Weber A, et al. **Berl Munch Tierarztl Wochenschr** 1981 Aug 15;94(16):325–7 **(Ger)**
[Yersinia infections] Klein E. **MMW** 1982 Feb 12; 124(6):131–2 **(Ger)**
[Comparison of two enrichment methods and five selective media for the isolation of Yersinia enterocolitica from tonsils of slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):72–7 (Eng. Abstr.) **(Ger)**
[Seasonal isolation of Yersinia enterocolitica and Yersinia pseudotuberculosis from tonsils of healthy slaughter pigs (author's transl)] Weber A, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1981;250(1–2):78–83 (Eng. Abstr.) **(Ger)**
[First isolation of Yersinia enterocolitica from drinking water in Austria (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981;173(3–4):207–8 **(Ger)**
[Yersinia enterocolitica in drinking water (author's transl)] Weber G, et al. **Zentralbl Bakteriol Mikrobiol Hyg [B]** 1981; 173(3–4):209–16 (Eng. Abstr.) **(Ger)**
[Investigations on the incidence of Yersinia enterocolitica – infections in the various forms of appendicitis, cholelithiasis, and goitre (author's transl)] Bellmann A, et al. **Zentralbl Chir** 1980;105(15):974–81 (Eng. Abstr.) **(Ger)**
[Demonstration of Yersinia enterocolitica and Yersinia pseudotuberculosis in fecal samples of healthy slaughter swine depending on the season] Weber A, et al. **Zentralbl Veterinarmed [B]** 1981;28(5):407–13 (Eng. Abstr.) **(Ger)**
[Isolation of Yersinia enterocolitica from the cecal contents of cattle in South Chile] Zamora J, et al. **Zentralbl Veterinarmed [B]** 1981;28(6):503–5 (Eng. Abstr.) **(Ger)**
[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May–Jun; 23(3):301–13 (46 ref.) **(Ita)**
[Characteristics of Yersinia enterocolitica strains isolated in Poland in 1972–1978] Zaremba M. **Med Dosw Mikrobiol** 1981;33(3–4):189–95 (Eng. Abstr.) **(Pol)**
[Distribution of the causative agent of tick-borne yersiniasis in Leningrad among wild and domestic animals and in the environment] Vashchenok GI, et al. **Tr Inst Pastera** 1980; 55:74–6 **(Rus)**
[Water and aquatic organisms as the host of Yersinia pseudotuberculosis] Shchubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):107 **(Rus)**
[Yersinia enterocolitica isolated on the territory of Zagreb (author's transl)] Kalenić S, et al. **Lijec Vjesn** 1981 Aug; 103(8):337–9 (Eng. Abstr.) **(Scr)**
[Contribution to the study of yersiniosis in navarre] Dorronsoro I, et al. **Rev Clin Esp** 1981 Jul 15–31; 162(1–2):39–42 (Eng. Abstr.) **(Spa)**

METABOLISM

Enterotoxin production in milk at 22 and 4 degrees C by Escherichia coli and Yersinia enterocolitica. Olsvik O, et al. **Appl Environ Microbiol** 1982 May;43(5):997–1000
[Has the incubation temperature an effect upon the endotoxin contents of Y. enterocolitica? (author's transl)] Hellmann E, et al. **Zentral Bakteriol Mikrobiol Hyg [A]** 1982 Apr; 251(4):529–36 (Eng. Abstr.) **(Ger)**
[Radioactive precursor incorporation into Yersinia pseudotuberculosis cells] Solov'eva TF, et al. **Mikrobiol Zh** 1981 Sep–Oct;43(5):645–9 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

The pathogenicity of Yersinia enterocolitica strains isolated from various sources in four test systems. Mosimabale F, et al. **Can J Comp Med** 1982 Jan;46(1):70–5
Serum resistance associated with virulence in Yersinia enterocolitica. Pai CH, et al. **Infect Immun** 1982 Feb; 35(2):605–11
Relationship of HeLa cell infectivity to biochemical, serological, and virulence characteristics of Yersinia enterocolitica. Schiemann DA, et al. **Infect Immun** 1982 Feb;35(2):497–506
Evaluation of iron dextran and mucin for enhancement of the virulence of Yersinia enterocolitica serotype O:3 in mice. Smith RE, et al. **Infect Immun** 1981 Nov;34(2):550–60
Enhancement of invasiveness of Yersinia enterocolitica and Escherichia coli in HEp-2 cells by centrifugation. Vesikari T, et al. **Infect Immun** 1982 May;36(2):834–6
New virulence-associated plasmid in Yersinia enterocolitica. Kay BA, et al. **J Clin Microbiol** 1982 Jun;15(6):1161–3
[Pathogenicity of Yersinia enterocolitica from epidemiological viewpoint--review] Hammerschmidt W, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 1; 94(23):471–5 contd (0 ref.) (Eng. Abstr.) **(Ger)**
[Pathogenicity factors in Yersinia enterocolitica from an epidemiological viewpoint--review] Hammerschmidt W, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15; 94(24):481–4 (65 ref.) (Eng. Abstr.) **(Ger)**
[Yersinia enterocolitica: critical review of literature] Monno R, et al. **G Batteriol Virol Immunol** 1981 Jan–Jun; 74(1–6):120–44 (145 ref.) **(Ita)**
[Enterotoxic activity of the pseudotuberculosis microbe] Timchenko NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jun;(6):55–8 (Eng. Abstr.) **(Rus)**
[Virulence mechanisms of Yersinia enterocolitica (author's transl)] Cohen J, et al. **Rev Med Chil** 1981 Jul;109(7):606–9 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Inactivation and injury of Yersinia enterocolitica by radiation and freezing. EL-Zawahry YA, et al. **Appl Environ Microbiol** 1981 Sep;42(3):464–8
Influence of media on temperature-dependent motility test for Yersinia enterocolitica. D'Amato RF, et al. **J Clin Microbiol** 1981 Sep;14(3):347–8
Adherence of fimbriate and non-fimbriate strains of Yersinia enterocolitica to human epithelial cells. Old DC, et al. **Microbiol Immunol** 1981;25(10):993–8

ULTRASTRUCTURE

Scanning electron microscopy of L-forms of Yersinia enterocolitica. Pease PE. **Microbios** 1981;31(123):17–23

YERSINIA INFECTIONS

The pathology of Yersinia enterocolitica ileocolitis. Gleason TH, et al. **Am J Surg Pathol** 1982 Jun;6(4):347–55
Followup study on patients with Reiter's disease and reactive arthritis, with special reference to HLA-B27. Leirisalo M, et al. **Arthritis Rheum** 1982 Mar;25(3):249–59
Chemotaxis in yersinia arthritis. In vitro stimulation of neutrophil migration by HLA--B27 positive and negative sera. Repo H, et al. **Arthritis Rheum** 1982 Jun;25(6):655–61
Panniculitis-like lesions in yersiniosis. Wantzin GL, et al. **Br J Dermatol** 1982 Apr;106(4):481–3
Acute ileitis [editorial] Moráin CO. **Br Med J [Clin Res]** 1981 Oct 24;283(6299):1075–6
[Intestinal Infections due to Campylobacter, Yersinia, Salmonella and Shigella] **Bull WHO** 1980;58(5):691–711 **(Fre)**
[Double spondylodiskitis caused by Yersinia. Apropos of a case (letter)] Birembaut JC, et al. **Nouv Presse Med** 1982 Feb 27;11(9):678 **(Fre)**
[Liver diseases associated with Yersinia infections (author's transl)] Dubois A, et al. **Nouv Presse Med** 1982 May 8; 11(21):1619–21 (Eng. Abstr.) **(Fre)**
[Picture of ankylosing spondylitis in Yersinia enterocolitica septicemia] Audebert AA, et al. **Rev Med Interne** 1981 Oct; 2(3):305–7 **(Fre)**
[Pathogenicity of Yersinia enterocolitica from epidemiological viewpoint--review] Hammerschmidt W, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 1; 94(23):471–5 contd (0 ref.) (Eng. Abstr.) **(Ger)**
[Enteral yersiniosis--a serious disease? Current knowledge of clinical aspects, diagnosis and therapy] Weber A. **Fortschr Med** 1982 May 6;100(17):785–91 (Eng. Abstr.) **(Ger)**
[Yersinia enterocolitica infections] Chiesa C, et al. **Recenti Prog Med** 1981 Aug;71(2):121–40 (82 ref.) **(Ita)**
[Case of mesenteric lymphadenitis caused by Yersinia enterocolitica in a thalassemic boy] Núñez Gutiérrez A, et al. **Rev Clin Esp** 1982 Mar 15;164(5):339–41 **(Spa)**

CHEMICALLY INDUCED

Septicaemia due to Yersinia enterocolitica after oral overdoses of iron. Melby K, et al. **Br Med J [Clin Res]** 1982 Aug 14;285(6340):467–8

COMPLICATIONS

Reactive arthritis associated with Yersinia enterocolitica gastroenteritis. Olson DN, et al. **Am J Gastroenterol** 1981 Dec;76(6):524–6
Henoch-Schönlein purpura after yersiniosis [letter] Rasmussen NH. **Arch Dis Child** 1982 Apr;57(4):322–3
Yersinai arthritis: review and report of a case. Blake DR, et al. **Br J Clin Pract** 1981 Nov–Dec;35(11–12):421–2
Acute anterior uveitis after yersinia infection. Mattila L, et al. **Br J Ophthalmol** 1982 Mar;66(3):209–12
Septicemia due to Yersinia enterocolitica [letter] Martinez-Luengas F, et al. **Can Med Assoc J** 1982 Apr 1;126(7):772–3
Acute myocardial failure during Yersinia enterocolitica infection. Dhainaut JF, et al. **Intensive Care Med** 1982 Jan; 8(1):51–3
Reiter's disease and Yersinia pseudotuberculosis infection [letter] Pennec Y, et al. **J Rheumatol** 1981 Sep–Oct; 8(5):868–9
Yersinia arthritis and Guillain-Barré syndrome [letter] Faraq SS, et al. **N Engl J Med** 1982 Sep 16;307(12):755
Yersinia enterocolitica infections and chronic connective tissue diseases. Christensen K, et al. **Scand J Rheumatol** 1982;11(1):21–2
[Yersinia enterocolitica infection with severe hematuria] Rohde C, et al. **Ugeskr Laeger** 1982 Feb 15;144(7):478 (Eng. Abstr.) **(Dan)**
[Uveitis in a Yersinia pseudotuberculosis infection--one case] Girard P, et al. **Bull Soc Ophtalmol Fr** 1982 Apr;82(4):475–8 (Eng. Abstr.) **(Fre)**
[Muscular involvement in Yersinia enterocolitica infection (letter)] Hugon J, et al. **Rev Rhum Mal Osteoartic** 1981 Nov;48(11):743 **(Fre)**
[Another case of aseptic arthritis during Yersinia pseudotuberculosis infection] Jaffres R. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):639 **(Fre)**
[Fiessinger-Leroy-Reiter syndrome associated with a positive serology for Yersinia pseudotuberculosis] Raison G, et al. **Rev Rhum Mal Osteoartic** 1981 Oct;48(10):637–8 **(Fre)**
[Etiologic aspects of Reiter syndrome. Role of yersinial infections (author's transl)] Kuntz JL, et al. **Sem Hop Paris** 1982 Jun 10;58(23):1407–11 (Eng. Abstr.) **(Fre)**
[Ileitis caused by Yersinia enterocolitica--X-ray differential diagnosis of Crohn's disease (author's transl)] Lingg G, et al. **Rontgenblatter** 1981 Dec;34(12):447–50 (Eng. Abstr.) **(Ger)**
[Yersinia enterocolitica infection in thalassemia. Report of one case (author's transl)] Balestrazzi P, et al. **Pediatr Med Chir** 1981 Jul–Aug;3(4):269–71 (Eng. Abstr.) **(Ita)**
[Yersinia pseudotuberculosis type II causing acute gastroenteritis with skin manifestations and polyarthritis (author's transl)] Palmović D, et al. **Lijec Vjesn** 1980; 102(11):635–8 (Eng. Abstr.) **(Scr)**
[Monoarthritis caused by Yersinia enterocolitica serotype 09 in a heroin addict (letter)] González L, et al. **Med Clin (Barc)** 1982 Mar 16;78(6):258 **(Spa)**
[Reactive arthritis to Yersinia enterocolitica (letter)] Valdepérez Torrubia JJ, et al. **Med Clin (Barc)** 1981 Oct 10;77(6):263–4 **(Spa)**

DIAGNOSIS

Yersinia enterocolitica septicemia [letter] Strobel S. **Am J Clin Pathol** 1981 Oct;76(4):505–6
Granulomatous appendicitis. Payan HM, et al. **Dis Colon Rectum** 1981 Sep;24(6):432–6
Enzyme immunoassay of the antibody response to Brucella and Yersinia enterocolitica 09 infections in humans. Lindberg AA, et al. **J Hyg (Lond)** 1982 Apr;88(2):295–307
Yersinia enteritis. Vantrappen G, et al. **Med Clin North Am** 1982 May;66(3):639–53 (46 ref.)
[Yersinia enterocolitica infections] Bories P, et al. **Nouv Presse Med** 1981 Dec 5;10(44):3613–5 **(Fre)**
[Acute Yersinia pseudotuberculosis arthritis. 2 new cases (letter)] Chaouat D, et al. **Rev Rhum Mal Osteoartic** 1981 Dec;48(12):827–8 **(Fre)**
[Differential diagnosis of enteral Yersinia infection (author's transl)] Teigelkötter W. **Leber Magen Darm** 1982 Feb; 12(1):11–4 (Eng. Abstr.) **(Ger)**
[Yersinia infection can simulate acute appendicitis] Baier R, et al. **Med Klin** 1981 Aug 28;76(18):511–2 **(Ger)**
[Yersinia infections] Klein E. **MMW** 1982 Feb 12; 124(6):131–2 **(Ger)**
[Yersinia arthritis. frequency of enteral yersinias and their diagnosis (author's transl)] Knapp W. **MMW** 1981 Dec 4; 123(49):1903–7 (Eng. Abstr.) **(Ger)**
[Differential diagnosis at the bedside – enteral yersiniosis] Kuntz HD. **MMW** 1981 Nov 20;123(47):87 **(Ger)**
[Yersinia-arthritis in childhood (author's transl)] Saule H, et al. **Monatsschr Kinderheilkd** 1981 Nov;129(11):648–50 (Eng. Abstr.) **(Ger)**
[Frequency and significance of infections due to Yersinia enterocolitica in 'acute appendicitis' (author's transl)] Baier R, et al. **Z Gastroenterol** 1982 Feb;20(2):78–83 (Eng. Abstr.)

(Ger)

[Skin manifestations in human yersiniosis (author's transl)] Mehnert I, et al. **Z Hautkr** 1981 Sep 1;56(17):1126–39 (Eng. Abstr.) (Ger)

[Detection and identification of bacteria of the genus Yersinia] Chiesa C, et al. **Ann Sclavo** 1981 May–Jun; 23(3):301–13 (46 ref.) (Ita)

[Differential diagnosis of icteric forms of pseudotuberculosis and viral hepatitis] Bystriakova LV, et al. **Pediatriia** 1981; (8):63–4 (Rus)

[Clinical manifestations of mixed variant of pseudotuberculosis] Malina MV, et al. **Ter Arkh** 1981; 53(10):29–31 (Eng. Abstr.) (Rus)

[Latent and subclinical forms of pseudotuberculosis. Allergological diagnosis, bacterial carrier state and incidence] Malyi VP, et al. **Ter Arkh** 1981;53(6):119–21 (Eng. Abstr.) (Rus)

[Clinical laboratory characteristics of the jaundice form of pseudotuberculosis] Podlevskiĭ AF, et al. **Tr Inst Pastera** 1980;55:61–5 (Rus)

[Differential diagnosis of yersiniosis and systemic connective tissue diseases in children] Solomatina OG, et al. **Vopr Revm** 1981 Apr–Jun;(2):39–42 (Eng. Abstr.) (Rus)

[Erythema nodosum in pseudotuberculosis infection] Malyi VP. **Vrach Delo** 1981 Jul;(7):106–7 (Rus)

[Diagnosis of pseudotuberculosis] Trinus EK, et al. **Vrach Delo** 1981 Jul;(7):108–9 (Rus)

ETIOLOGY

Pathogenesis of post–irradiation infections. I. Yersinia enterocolitica administered to normal and irradiated rats. Bazin H, et al. **Int J Radiat Biol** 1981 Sep;40(3):277–82

[Septicemia caused by Yersinia enterocolitica. General review apropos of a new case in a young women presenting with thalassemia major] Roche G, et al. **Rev Med Interne** 1982 Mar;3(1):65–74 (51 ref.) (Eng. Abstr.) (Fre)

FAMILIAL & GENETIC

Impaired cell–mediated immunity among HLA–B27 related rheumatoid variants responding to Yersinia antigen. Goebel KM, et al. **J Clin Lab Immunol** 1982 Jun;8(2):75–81

IMMUNOLOGY

Yersinia arthritis: a clinical, immunological, and family study of 2 cases. Sheldon PJ, et al. **Ann Rheum Dis** 1982 Apr; 41(2):153–8

Cross–protection against fecal excretion of Yersinia enterocolitica and Yersinia pseudotuberculosis in mice by oral vaccination of viable cells. Uchida I, et al. **Infect Immun** 1982 May;36(2):837–40

[Yersinia enterocolitica IHA–test (author's transl)] Baier R, et al. **Immun Infekt** 1981 Jul;9(4):136–9 (Eng. Abstr.) (Ger)

[Cellular reactions of increased delayed sensitivity in human pseudotuberculosis] Timchenko NF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Jan;(1):80–3 (Eng. Abstr.) (Rus)

MICROBIOLOGY

Isolation of Yersinia enterocolitica from children during an outbreak of enteritis. Giraldi V, et al. **Ann Ist Super Sanita** 1981;17(2):163–9

Experimental Yersinia pestis infection in rodents after intragastric inoculation and ingestion of bacteria. Butler T, et al. **Infect Immun** 1982 Jun;36(3):1160–7

Yersinia enterocolitica. Swaminathan B, et al. **J Appl Bacteriol** 1982 Apr;52(2):151–83 (222 ref.)

Infection caused by Yersinia enterocolitica serotype O:21. Karmali MA, et al. **J Clin Microbiol** 1982 Apr;15(4):965–8

A nosocomial outbreak of diarrheal disease due to Yersinia enterocolitica serotype O:5, biotype 1. Ratnam S, et al. **J Infect Dis** 1982 Feb;145(2):242–7

[Pathogenic and epidemiologic aspects of Yersinia enterocolitica infections] Wauters G. **Bull Mem Acad R Med Belg** 1981 Oct 24;136(10):510–20 (Eng. Abstr.) (Fre)

[Yersinia enterocolitica infections in Southwest Germany. A report on 580 bacteriologically confirmed cases (author's transl)] Gärtner K. **MMW** 1981 Oct 2;123(40):1498–500 (Eng. Abstr.) (Ger)

[Antibiotic sensitivity of Yersinia enterocolitica and Yersinia pseudotuberculosis isolated from patients with the jaundice form of acute hepatitis] Gurleva GG, et al. **Antibiotiki** 1982 Jan;27(1):37–41 (Eng. Abstr.) (Rus)

[Distribution of the causative agent of tick–borne yersiniasis in Leningrad among wild and domestic animals and in the environment] Vashchenok GI, et al. **Tr Inst Pastera** 1980; 55:74–6 (Rus)

[Serological types of Yersinia enterocolitica isolated from humans and from environment] Iushchenko GV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):34–7 (Eng. Abstr.) (Rus)

[Acute terminal ileitis caused by Yersinia enterocolitica] Alvarez Blanco A, et al. **Rev Clin Esp** 1981 Apr 30; 161(2):121–4 (Spa)

OCCURRENCE

Human Yersinia enterocolitica infections in Wisconsin. Clinical, laboratory and epidemiologic features. Snyder JD, et al. **Am J Med** 1982 May;72(5):768–74

Incidence of Yersiniosis in Finland. Leino R. **Scand J Infect Dis** 1981;13(4):309–10

[Yersinia enterocolitis in the South–Moravian Region in the Period 1968–1979 (author's transl)] Gaislerová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1982 Jan;31(1):48–54 (Eng. Abstr.) (Cze)

[Yersinia enterocolitica infections in Hungary – bacteriological, clinical and epidemiologic experiences] Szita J. **Z Gesamte Hyg** 1981 Oct;27(10):762–8 (Eng. Abstr.) (Ger)

[Investigations on the incidence of Yersinia enterocolitica – infections in the various forms of appendicitis, cholelithiasis, and goitre (author's transl)] Bellmann A, et al. **Zentralbl Chir** 1980;105(15):974–81 (Eng. Abstr.) (Ger)

[1st report in Puglia of the isolation of Yersinia enterocolitica in the pediatric field] Monno R, et al. **Ann Sclavo** 1981 Jan–Feb;23(1):87–91 (Ita)

[Yersinia enterocolitica: critical review of literature] Monno R, et al. **G Batteriol Virol Immunol** 1981 Jan–Jun; 74(1–6):120–44 (145 ref.) (Ita)

[Yersinia enterocolitica infections in Poland 1972–1978] Zaremba M. **Pol Tyg Lek** 1981 May 25;36(21):751–3 (Eng. Abstr.) (Pol)

[Epidemiology of Yersinia infections] Zaremba M. **Przegl Epidemiol** 1981;35(2):181–93 (Eng. Abstr.) (Pol)

[Pseudotuberculosis in Leningrad] Bogoiavlenskiĭ GV, et al. **Tr Inst Pastera** 1980;55:54–8 (Rus)

[Incidence of pseudotuberculosis in man and animals] Vorob'ev IG, et al. **Tr Inst Pastera** 1980;55:58–61 (Rus)

[Water and aquatic organisms as the host of Yersinia pseudotuberculosis] Shchubin FN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Oct;(10):107 (Rus)

[Human infection by Yersinia enterocolitica and pseudotuberculosis in Spain. Analysis of 80 recent cases] Soriano F, et al. **Rev Clin Esp** 1981 May 31;161(4):215–22 (Eng. Abstr.) (Spa)

PATHOLOGY

Observations on experimental infections with 'Yersinia enterocolitica' in the gerbil. Corbel MJ. **Ann Sclavo** 1981 Jan–Feb;23(1):1–19

Yersinia enterocolitica lung infection. Bigler RD, et al. **Arch Intern Med** 1981 Oct;141(11):1529–30

[Yersinia enterocolitica septicaemia associated with Yersinia intestinal lesions detected by colonoscopy (author's transl)] Vitaux J, et al. **Nouv Presse Med** 1981 Dec 5;10(44):3639–41 (Eng. Abstr.) (Fre)

PHYSIOPATHOLOGY

[Cardiovascular system in yersiniasis] Kulkybaev GA, et al. **Klin Med (Mosk)** 1981 Jun;59(6):12–4 (14 ref.) (Rus)

PREVENTION & CONTROL

Controlled trial of tetracycline prophylaxis in individuals with persistently raised Yersinia enterocolitica antibody titres [letter] Agner E, et al. **Lancet** 1981 Nov 21; 2(8256):1175

[Immunostimulating properties of an extract isolated from Aloe vahombe. 2. Protection in mice by fraction F1 against infections by Listeria monocytogenes, Yersinia pestis, Candida albicans and Plasmodium berghei] Brossat JY, et al. **Arch Inst Pasteur Madagascar** 1981;48(1):11–34 (Eng. Abstr.) (Fre)

[Protective antigen of the pseudotuberculosis microbe] Dzadzieva MF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jul;(7):71–5 (Eng. Abstr.) (Rus)

[Prophylactic aspects of human pseudotuberculosis] Kuznetsov VG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Apr;(4):110–4 (Eng. Abstr.) (Rus)

SURGERY

Surgical significance of Yersinia enterocolitica. Ransom N. **Mt Sinai J Med (NY)** 1981 Sep–Oct;48(5):459–65

[Yersinia pseudotuberculosis infection] Cserháti G, et al. **Orv Hetil** 1982 Jun 6;123(23):1431–2 (Hun)

TRANSMISSION

[Epidemiologic and hygiene significance of Yersinia pestis and Yersinia enterocolitica] Knapp W, et al. **Off Gesundheitswes** 1982 Jun;44(6):352–6 (Ger)

[Epidemiological importance of Yersinia transmission routes and factors in pseudotuberculosis foci] Kuznetsov VG. **Voen Med Zh** 1981 Nov;(11):37–9 (Rus)

VETERINARY

A simple technique to differentiate between animals infected with Yersinia enterocolitica IX and those infected with Brucella abortus. Mittal KR, et al. **Res Vet Sci** 1979 Mar; 26(2):248–50

Caprine mastitis associated with Yersinia pseudotuberculosis infection. Jones TO, et al. **Vet Rec** 1982 Mar 6;110(10):231

[Pathogenicity factors in Yersinia enterocolitica from an epidemiological viewpoint—review] Hammerschmidt W, et al. **Berl Munch Tierarztl Wochenschr** 1981 Dec 15; 94(24):481–4 (65 ref.) (Eng. Abstr.) (Ger)

[Cultural and serological studies of the occurrence of Yersinia enterocolitica infections in swine and cattle] Hawari AD, et al. **Berl Munch Tierarztl Wochenschr** 1981 Oct 15; 94(20):404–9 (Eng. Abstr.) (Ger)

[Myopathy in fattened turkeys caused by Yersinia pseudotuberculosis (author's transl)] Hinz KH, et al. **DTW** 1981 Sep 5;88(9):352–4 (Eng. Abstr.) (Ger)

[Occurrence of Yersinia enterocolitica in domestic agricultural animals in East Germany] Nattermann H. **Z Gesamte Hyg** 1981;27(10):807 (Ger)

YERSINIA PESTIS

Properties and pharmacological action of plague murine toxin. Montie TC. **Pharmacol Ther** 1981;12(3):491–9 (32 ref.)

CLASSIFICATION

Evaluation of a qualitative isocitrate lyase assay for rapid presumptive identification of Yersinia pestis cultures. Quan TJ, et al. **J Clin Microbiol** 1982 Jun;15(6):1178–9

[Pesticinogenicity and pesticin sensitivity of Pasteurella pestis strains isolated in the Gornyi Altai region] Tarasova VE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb; (2):56–9 (Rus)

DRUG EFFECTS

[Response, to polymyxin, of plague microbe strains isolated from various natural foci and of their mutants with a decreased requirement in nutritional factors] Martinevskiĭ IL, et al. **Antibiotiki** 1981 Sep;26(9):687–9 (Eng. Abstr.) (Rus)

GENETICS

Virulence–associated plasmids from Yersinia enterocolitica and Yersinia pestis. Portnoy DA, et al. **J Bacteriol** 1981 Dec;148(3):877–83

IMMUNOLOGY

Temperature–modulated immunogenicity to Yersinia pestis from Yersinia enterocolitica O3. Alonso JM, et al. **Infect Immun** 1982 Apr;36(1):423–5

[Monthly dynamics of the antitoxic immunity against diphtheria and tetanus and of normal antibodies to fraction I of the plague microbe in adults] Basova NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Mar;(3):82–6 (Eng. Abstr.) (Rus)

METABOLISM

RNA synthesis in Yersinia pestis during growth restriction in calcium–deficient medium. Charnetzky WT, et al. **J Bacteriol** 1982 Mar;149(3):1089–95

PATHOGENICITY

Localization in Yersinia pestis of peptides associated with virulence. Straley SC, et al. **Infect Immun** 1982 Apr; 36(1):129–35

YOGA

Study of some physiological and biochemical parameters in subjects undergoing yogic training. Joseph S, et al. **Indian J Med Res** 1981 Jul;74:120–4

Pattern of breathing and ventilatory response to CO2 in subjects practicing hatha–yoga. Stănescu DC, et al. **J Appl Physiol** 1981 Dec;51(6):1625–9

Body temperature changes during the practice of g Tum–mo yoga [letter] **Nature** 1982 Jul 22;298(5872):402

Body temperature changes during the practice of g Tum–mo yoga. Benson H, et al. **Nature** 1982 Jan 21;295(5846):234–6

Physiological responses to clicks during Zen, Yoga, and TM meditation. Becker DE, et al. **Psychophysiology** 1981 Nov; 18(6):694–9

Treatment of disease without the use of drugs. VI. Treatment of rhinitis by a yogic process of cleaning and rubbing the nasal passage with a rubber catheter. Sim MK. **Singapore Med J** 1981 Jun;22(3):121–3

[Anxiety and new technics of control] Pavan A. **Minerva Psichiatr** 1982 Jan–Mar;23(1):27–31 (Eng. Abstr.) (Ita)

YOGURT see under DAIRY PRODUCTS

YOHIMBINE

ANALYSIS

Use of [methyl–3H]Yohimbine as a radioligand for alpha–2 adrenoreceptors on intact platelets. Comparison with dihydroergocryptine. Macfarlane DE, et al. **Thromb Res** 1981 Oct 1–15;24(1–2):31–43

BLOOD

Alpha 2–adrenoreceptors on human platelets: selective labelling by [3H]clonidine and [3H]yohimbine and competitive inhibition by antidepressant drugs. García–Sevilla JA, et al. **Eur J Pharmacol** 1981 Sep 24; 74(4):329–41

IMMUNOLOGY

Antibodies to the alpha 1- and alpha 2-selective antagonists prazosin and yohimbine as probes of the alpha-adrenergic binding sites. Graham RM, et al. **Hypertension** 1982 May-Jun;4(3 Pt 2):183-7

METABOLISM

Increased central alpha-2 adrenergic receptors measured with [3H] yohimbine in the presence of sodium ion and guanylnucleotides. Woodcock EA, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):252-8

[3H]rauwolscine (alpha-yohimbine): a specific antagonist radioligand for brain alpha 2-adrenergic receptors. Perry BD, et al. **Eur J Pharmacol** 1981 Dec 17;76(4):461-4

Identification of alpha adrenoceptor subtypes in dog arteries by (3H) yohimbine and (3H) prazosin. Bobik A. **Life Sci** 1982 Jan 18;30(3):219-28

alpha 2-Adrenergic receptors in platelet membranes of depressed patients: no change in number of 3H-yohimbine affinity. Daiguji M, et al. **Life Sci** 1981 Nov 16; 29(20):2059-64

PHARMACODYNAMICS

Antagonism of xylazine sedation in dogs by 4-aminopyridine and yohimbine. Hatch RC, et al. **Am J Vet Res** 1982 Jun; 43(6):1009-14

Yohimbine inhibits the potentiation by moderate cooling of norepinephrine-induced contractions of canine blood vessels. Janssens WJ, et al. **Arch Int Pharmacodyn Ther** 1982 Mar;256(1):173-4

Presynaptic alpha receptors in relation to the cardiovascular effect of yohimbine in the anesthetized cat. Rahman AR, et al. **Arch Int Pharmacodyn Ther** 1981 Aug;252(2):229-40

Agonist action of yohimbine on the perfused rabbit central ear artery. Tayo FM. **Blood Vessels** 1982;19(4):197-202

Pre- and postsynaptic alpha-adrenoceptor blocking activity of raubasine in the rat vas deferens. Demichel P, et al. **Br J Pharmacol** 1981 Dec;74(4):739-45

Th central noradrenergic system in the rat: metabolic mapping with alpha-adrenergic blocking agents. Savaki HE, et al. **Brain Res** 1982 Feb 18;234(1):65-79

Differential effects of pharmacological manipulations of central alpha 1- and alpha 2-adrenergic receptors on the secretion of thyrotropin and growth hormone in male rats. Krulich L, et al. **Endocrinology** 1982 Mar;110(3):796-804

Effect of yohimbine and its diastereoisomers on clonidine-induced depression of exploration in the rat. Ortmann R, et al. **Eur J Pharmacol** 1982 Feb 5;77(4):335-7

Influence of adrenocorticotropin hormone and yohimbine on antidepressant-induced declines in rat brain neurotransmitter receptor binding and function. Kendall DA, et al. **J Pharmacol Exp Ther** 1982 Sep;222(3):566-71

Pre- and postsynaptic alpha adrenoceptor selectivity studies with yohimbine and its two diastereoisomers rauwolscine and corynanthine in the anesthetized dog. Shepperson NB, et al. **J Pharmacol Exp Ther** 1981 Nov;219(2):540-6

Effects of yohimbine and naltrexone in counteraction of the morphine Straub tail and the amphetamine-potentiated morphine Straub tail in mice. Blumberg H, et al. **Life Sci** 1982 Jun 14;30(24):2115-21

Assessment of alpha 2 adrenergic autoreceptor function in humans: effects of oral yohimbine. Charney DS, et al. **Life Sci** 1982 Jun 7;30(23):2033-41

Differential effects of prazosin and rauwolsin on the release of prostaglandins I2 and E2 from the perfused mesenteric arterial bed of the rabbit following nerve stimulation. Pipili E, et al. **Prostaglandins** 1982 Mar;23(3):299-309

The influence of drugs on disseminated intravascular coagulation (DIC). V. Effects of alpha-adrenoceptor blocking agents on thrombin-induced DIC in rats. Nowak G, et al. **Thromb Res** 1981 May 15;22(4):417-25

[Antinoradrenergic activity of raubasine on isolated thoracic aorta and vas deferens of rat (author's transl)] Roquebert J, et al. **J Pharmacol** 1981 Nov-Dec;12(4):393-403 (Eng. Abstr.) **(Fre)**

[Multivariate correspondence analysis of a visually screened EEG. Application to a study of psychotropic drugs compared with placebos (author's transl)] Isik E, et al. **Rev Electroencephalogr Neurophysiol Clin** 1982 Apr; 12(1):86-95 (19 ref.) (Eng. Abstr.) **(Fre)**

[Effect of yohimbine and tetrodotoxin on asymmetric displacement currents of nodes of Ranvier] Revenko SV, et al. **Neirofiziologiia** 1981;13(4):438-40 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Nonhormonal pharmacological treatment of organic impotence. Morales A, et al. **J Urol** 1982 Jul;128(1):45-7

Yohimbine for treatment of impotence in diabetes [letter] Morales A, et al. **N Engl J Med** 1981 Nov 12;305(20):1221

[Yohimbine: renaissance of an old medicine?] Kather H, et al. **Med Klin** 1981 Oct 9;76(21):588-9 **(Ger)**

YOLK SAC

Formalised yolk sac antigen in early diagnosis of Legionnaires' disease caused by Legionella pneumophila serogroup 1 [letter] Fallon RJ, et al. **J Clin Pathol** 1982 Jul;35(7):791-2

ANALYSIS

Testosterone and dihydrotestosterone in amniotic fluid and foeto-placental membranes from the guinea pig. Rigaudière N. **Acta Endocrinol (Copenh)** 1982 Jun;100(2):301-7

Location and identification of the collagen found in the 14.5-d rat embryo visceral yolk sac. Clark CC, et al. **J Cell Biol** 1982 May;93(2):251-60

CYTOLOGY

Terminal erythroid differentiation of yolk sac erythroid cells. A 35,000 dalton non-histone protein is selectively maintained in condensed chromatin. Lunadei M, et al. **Basic Appl Histochem** 1982;26(1):17-26

Erythropoiesis and lymphopoiesis in the chick yolk-sac-embryo chimeras: contribution of yolk sac and intraembryonic stem cells. Lassila O, et al. **Blood** 1982 Feb; 59(2):377-81

Differentiation of the yolk-sac endoderm under the influence of the digestive-tract mesenchyme. Masui T. **J Embryol Exp Morphol** 1981 Apr;62:277-89

DRUG EFFECTS

Effect of molecular size of 125I-labelled poly(vinylpyrrolidone) on its pinocytosis by rat visceral yolk sacs and rat peritoneal macrophages. Duncan R, et al. **Biochem J** 1981 Apr 15;196(1):49-55

IMMUNOLOGY

Expression of Ly-5 on yolk sac and fetal liver cells of the mouse. Triglia D. **Immunogenetics** 1980;11(3):303-7

Diagnosis of Legionella pneumophila infections by means of formolised yolk sac antigens. Harrison TG, et al. **J Clin Pathol** 1982 Feb;35(2):211-4

METABOLISM

Control of globin gene expression in mouse yolk sac erythroid cells. Fantoni A, et al. **Acta Biol Med Ger** 1981; 40(4-5):499-503

Endocytosis of simple proteins by rat yolk sacs and by rat peritoneal macrophages incubated in vitro. Kooistra T, et al. **Acta Biol Med Ger** 1981;40(10-11):1637-46

Effects of microbial proteinase inhibitors on the degradation of endogenous and internalized proteins by rat yolk sacs. Knowles SE, et al. **Biochem J** 1981 Apr 15;196(1):41-8

Adsorptive pinocytosis of 125I-labelled lactate dehydrogenase isoenzymes H4 and M4 by rat yolk sacs incubated in vitro. Kooistra T, et al. **Biochem J** 1981 Sep 15;198(3):587-93

Rates of pinocytic capture of simple proteins by rat yolk sacs incubated in vitro. Livesey G, et al. **Biochem J** 1981 Sep 15;198(3):581-6

Pinocytic uptake and intracellular degradation of N-(2-hydroxypropyl)methacrylamide copolymers. A potential drug delivery system. Duncan R, et al. **Biochim Biophys Acta** 1981 Nov 18;678(1):143-50

Steroid metabolism in the rat visceral yolk sac during pregnancy. Sheth K, et al. **Biol Reprod** 1982 Mar; 26(2):209-17

Uptake of DDT from the yolk sac into the early chick embryo as measured by gas chromatography. Swartz WJ, et al. **Bull Environ Contam Toxicol** 1981 Sep;27(3):393-6

Receptor mediated coated vesicle transport of rat IgG across the 11.5 day in vitro rat yolk sac endoderm. Huxham M, et al. **Cell Biol Int Rep** 1981 Dec;5(12):1073-81

Stability of alpha-fetoprotein messenger RNA in mouse yolk sac. Andrews GK, et al. **Dev Biol** 1982 Jan;89(1):111-6

Synthesis of secretory proteins in developing mouse yolk sac. Janzen RG, et al. **Dev Biol** 1982 Mar;90(1):18-23

Heterogeneity of binding site for adsorptive pinocytosis of simple proteins by rat yolk sacs. Livesey G, et al. **Eur J Biochem** 1982 Feb;122(1):147-51

Presence of 25-hydroxyvitamin D3 and 1,25-dihydroxyvitamin D3 24-hydroxylase in vitamin D target cells of rat yolk sac. Danan JL, et al. **J Biol Chem** 1982 Sep 25;257(18):10715-21

The role of the visceral yolk sac in mediating protein utilization by rat embryos cultured in vitro. Freeman SJ, et al. **J Embryol Exp Morphol** 1981 Dec;66:223-34

The role of coated vesicles in selective transfer across yolk sac epithelium. King BF. **J Ultrastruct Res** 1982 Jun; 79(3):273-84

PATHOLOGY

[Vitelline morphogenesis in a teratocarcinoma of mice] Gaillard J. **C R Seances Acad Sci [III]** 1981 Nov 30; 293(12):671-4 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Plasminogen activator production by parietal endoderm cells: stimulation by a protein from pituitary. Smith KK, et al. **Dev Biol** 1982 Apr;90(2):227-37

ULTRASTRUCTURE

A freeze-fracture study of the guinea pig yolk sac epithelium. King BF. **Anat Rec** 1982 Feb;202(2):221-30

Morphometric analysis of the visceral yolk sac endoderm in the rat in vivo and in vitro. Gupta M, et al. **J Reprod Fertil** 1982 May;65(1):239-45

Absorptive structures of the mouse yolk sac placenta and associated placental surfaces. A scanning electron microscope study. Pendergrass PB, et al. **J Submicrosc Cytol** 1982 Apr;14(2):279-89

[An ultrastructural study of human ovarian yolk sac tumor--an investigation of its histogenesis compared to that of human yolk sacs (author's transl)] Takashina T. **Acta Obstet Gynaecol Jpn** 1981 Jul;33(7):916-24 (Eng. Abstr.) **(Jpn)**

YOLK SAC TUMOR see **MESONEPHROMA**

YOMESAN see **NICLOSAMIDE**

YOUTH see **ADOLESCENCE**

YTTERBIUM

Comparison of ytterbium chloride and chromium sesquioxide as fecal indicators. Prigge EC, et al. **J Anim Sci** 1981 Dec; 53(6):1629-33

DIAGNOSTIC USE

[Retention of (169Yb) ytterbium citrate in rats by fluorescence sensitization autoradiography (author's transl)] Zhu SP. **Chung Kuo Yao Li Hsueh Pao** 1981 Sep; 2(3):197-200 (Eng. Abstr.) **(Chi)**

METABOLISM

[Autoradiographic visualization of the retention of 169Yb-citrate in bone and its removal by drugs (author's transl)] Chu SP, et al. **Chung Kuo Yao Li Hsueh Pao** 1981 Mar;2(1):64-6 (Eng. Abstr.) **(Chi)**

YTTRIUM

Crystalline actin tubes. III. The interaction of scandium and yttrium with skeletal muscle actin. Barden JA, et al. **Biochim Biophys Acta** 1981 Nov 30;671(1):25-32

ANALYSIS

[Measurement of yttrium in work environments by X-ray fluorescence] Altieri A, et al. **Ann Ist Super Sanita** 1981; 17(3):373-8 **(Ita)**

PHARMACODYNAMICS

Noncompetitive inhibition by aluminum, scandium and yttrium of acetylcholinesterase from Electrophorus electricus. Marquis JK, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1437-40

THERAPEUTIC USE

Endoscopic Nd: YAG laser therapy for carcinoma of the esophagus: a new palliative approach. Fleischer D, et al. **Am J Surg** 1982 Mar;143(3):280-3

Theoretical and experimental investigations prove Nd: YAG laser treatment to be safe. Halldórsson T, et al. **Lasers Surg Med** 1981;1(3):253-62

YTTRIUM RADIOISOTOPES

Toxicity of 90Y in relatively insoluble fused aluminosilicate particles when inhaled by mice. Lundgren DL, et al. **Radiat Res** 1981 Dec;88(3):510-23

ADMINISTRATION & DOSAGE

Treatment of asymptomatic metastatic cancer to the liver from primary colon and rectal cancer by the intraarterial administration of chemotherapy and radioactive isotopes. Ariel IM, et al. **J Surg Oncol** 1982 Jul;20(3):151-6

METABOLISM

Tissue distribution of orally administered 91Y and 46Sc in mice. Menczel J, et al. **Health Phys** 1982 May;42(5):727-30

THERAPEUTIC USE

Successful treatment of Cushing's disease using yttrium-90 rods. White MC, et al. **Br Med J [Clin Res]** 1982 Jul 24; 285(6337):280-2

Treatment of acromegaly by trans-sphenoidal operation, 90-yttrium implantation and bromocriptine: results in 230 patients. Quabbe HJ. **Clin Endocrinol (Oxf)** 1982 Feb; 16(2):107-19

Recurrent villonodular synovitis of the knee. Successful treatment with yttrium-90. Wiss DA. **Clin Orthop** 1982 Sep;(169):139-44

Acromegaly with sleep disturbances relieved by yttrium-90 pituitary implantation. Rosenstock J, et al. **J R Soc Med** 1982 Mar;75(3):209-10

The efficacy and safety of radiosynovectomy [editorial] Lee P. **J Rheumatol** 1982 Mar-Apr;9(2):165-8

Effect of intra-articular yttrium-90 on chronic pyrophosphate arthropathy of the knee. Doherty M, et al. **Lancet** 1981 Dec 5;2(8258):1243-6

Intraarterial yttrium 90 in the treatment of hepatic malignancy. Mantravadi RV, et al. **Radiology** 1982 Mar; 142(3):783-6

Osmic acid versus yttrium-90 in rheumatoid synovitis of the knee. Sheppeard H, et al. **Scand J Rheumatol** 1981; 10(3):234-6

[Hemarthrosis of articular chondrocalcinosis. Apropos of 28 cases. Importance of treatment by isotopic synoviorthesis] Cayla J, et al. **Rev Rhum Mal Osteoartic** 1982 Mar 25; 49(4):281–5 (Eng. Abstr.) **(Fre)**

[Intra-articular injection of radioactive yttrium 90 in the hemophilic arthropathies. About nine cases (author's transl)] Michel G, et al. **Sem Hop Paris** 1981 Sep 8–15; 57(29–32):1277–81 (Eng. Abstr.) **(Fre)**

[Treatment of pains from bone metastases with 90Y (author's transl)] Kutzner J, et al. **Nuklearmedizin** 1981 Oct; 20(5):229–35 (Eng. Abstr.) **(Ger)**

[Intracavitary contact radiation of cystic craniopharyngiomas by stereotaxic Y-90 application] Sturm V, et al. **Strahlentherapie [Sonderb]** 1981;76:113–8 **(Ger)**

URINE

Isolation of strontium-90, yttrium-90, promethium-147, and cerium-144 from wet ashed urine by calcium oxalate coprecipitation and sequential solvent extraction. Kramer GH, et al. **Anal Chem** 1982 Jul;54(8):1428–31

ZEARALENONE see under **RESORCINOLS**

ZEATIN see under **PURINES**

ZECTRAN see under **INSECTICIDES, CARBAMATE**

ZEIN

A structural model for maize zein proteins. **Argos P, et al. J Biol Chem** 1982 Sep 10;257(17):9984–90

The primary structure of a plant storage protein: zein. Geraghty D, et al. **Nucleic Acids Res** 1981 Oct 10; 9(19):5163–74

ANALYSIS

Storage proteins in Zea mays (L.): interrelationship of albumins, globulins and zeins in the opaque-2 mutation. Dierks-Ventling C. **Eur J Biochem** 1981 Nov;120(1):177–82

BIOSYNTHESIS

[Relation of lysine and tryptophan content to that of zein, during the germination of corn grain, and its possible link to the vegetative cycle of the plant] Martínez AB, et al. **Arch Latinoam Nutr** 1980 Dec;30(4):607–33 (Eng. Abstr.) **(Spa)**

GENETICS

Zein level in maize endosperm depends on a protein under control of the opaque-2 and opaque-6 loci. Soave C, et al. **Cell** 1981 Dec;27(2 Pt 1):403–10

Cloned genomic segments of Zea mays homologous to zein mRNAs. Lewis ED, et al. **Gene** 1981 Aug;14(3):205–15

Analysis of sequence microheterogeneity among zein messenger RNAs. Marks MD, et al. **J Biol Chem** 1982 Sep 10;257(17):9976–83

Zein storage protein gene family of maize. An assessment of heterogeneity with cloned messenger RNA sequences. Burr B, et al. **J Mol Biol** 1982 Jan 5;154(1):33–49

Isolation and characterization of maize genes coding for zein proteins of the 21000 dalton size class. Pintor-Toro JA, et al. **Nucleic Acids Res** 1982 Jul 10;10(13):3845–60

METABOLISM

In vitro uptake and processing of prezein and other maize preproteins by maize membranes. Burr FA, et al. **J Cell Biol** 1981 Aug;90(2):427–34

ZERANOL see under **RESORCINOLS**

ZINC

Binding of zinc to casein. Harzer G, et al. **Am J Clin Nutr** 1982 May;35(5):981–7

Formation of a double salt of phosphatidylcholine and zinc chloride. von Glós KI, et al. **Biochem J** 1981 Mar 1; 193(3):1017–9

Binding of hydroxamic acid inhibitors to crystalline thermolysin suggests a pentacoordinate zinc intermediate in catalysis. Holmes MA, et al. **Biochemistry** 1981 Nov 24; 20(24):6912–20

A Zn2+ binding constituent of fababeans. Collier HB. **Biochim Biophys Acta** 1981 Jul 17;675(3–4):427–9

Structural features of fibrinogen associated with binding to chelated zinc. Scully MF, et al. **Biochim Biophys Acta** 1982 Jan 4;700(1):130–5

pH and temperature dependences of thermolysin catalysis. Catalytic role of zinc-coordinated water. Kunugi S, et al. **Eur J Biochem** 1982 May;124(1):157–63

Reductive degradation of dieldrin and endrin in the field using acidified zinc. Butler LC, et al. **J Environ Sci Health [B]** 1981;B16(4):395–408

Should zinc be added to textured vegetable protein? Hogarth FW. **J Hum Nutr** 1981 Oct;35(5):379–82 (32 ref.)

An EXAFS study of the zinc sites in sheep liver metallothionein. Garner CD, et al. **J Inorg Biochem.** 1982 Jun;16(3):253–6

Interaction between ATP, metal ions, glycine, and several minerals. Rishpon J, et al. **J Mol Evol** 1982;18(3):179–84

Further studies on the inflammatory response induced by zinc wire implants in the central nervous system of rats. Brosnan CF, et al. **J Neuropathol Exp Neurol** 1982 Mar; 41(2):221–32

The constitution of zinc and cerium sulphadiazines in aqueous preparation. Bult A, et al. **J Pharm Pharmacol** 1981 Mar; 33(3):171–2

Radiodensity of the proposed new penny. Dorst JP, et al. **Pediatrics** 1982 Feb;69(2):224–5

[Studies on the setting reaction of the zinc phosphate dental cement (3)—quantitative analysis for consumed zinc oxide through setting reaction of the cement (author's transl)] Jyoshin K, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(59):213–6 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effect of zinc supplementation on plasma high-density lipoprotein cholesterol and zinc. Freeland-Graves JH, et al. **Am J Clin Nutr** 1982 May;35(5):988–92

Zinc and copper replacement during total parenteral nutrition. Lowry SF, et al. **Am J Clin Nutr** 1981 Sep; 34(9):1853–60

Biological availability of zinc in humans. Solomons NW. **Am J Clin Nutr** 1982 May;35(5):1048–75 (235 ref.)

Zinc concentrations in ethanol liquid diet formulations. Stull RE, et al. **Drug Alcohol Depend** 1981 Jul;7(4):393–4

Dietary cadmium, zinc and copper: effects on chick lung morphology and elastin cross-linking. Lefevre M, et al. **J Nutr** 1982 Jul;112(7):1344–52

Oral supplements and zinc metabolism [letter] Simkin PA. **J Rheumatol** 1981 Jul–Aug;8(4):693–5

Effects of oral zinc loading on zinc metabolism in humans—I: Experimental studies. Aamodt RL, et al. **Metabolism** 1982 Apr;31(4):326–34

Effects of oral zinc loading on zinc metabolism in humans II: in vivo kinetics. Babcock AK, et al. **Metabolism** 1982 Apr;31(4):336–47

Effect of zinc supplementation on bovine plasma copper. Towers NR, et al. **NZ Vet J** 1981 Jul;29(7):113–4

Parenteral depot method for zinc administration. Brewer GJ, et al. **Pharmacology** 1981;23(5):254–63

[Preparation of eye drops with zinc sulphate and adrenaline (author's transl)] Springer V, et al. **Pharmazie** 1981 Oct; 36(10):706–8 (Eng. Abstr.) **(Ger)**

[Growth, food utilization and protein content of some organs with varying zinc and nickel supplies. 1. Interactions between nickel and zinc] Mathur KA, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1982;47(2):101–9 (Eng. Abstr.) **(Ger)**

[Zinc in experimental caries in the rat] Rapisarda E, et al. **Minerva Stomatol** 1982 Mar–Apr;31(2):189–92 (Eng. Abstr.) **(Ita)**

[Effect of long-term administration of zinc chloride on hypothalamo-hypophyseal neurosecretion] Pietrzak M. **Neuropatol Pol** 1981;19(3):399–413 (Eng. Abstr.) **(Pol)**

[Recalcitrant psoriasis. Combined treatment: zinc plus PUVA] Yafary R, et al. **Actas Dermosifiliogr** 1981 Sep–Oct; 72(9–10):495–8 **(Spa)**

ADVERSE EFFECTS

Effects of cadmium, lead, and zinc on macrophage-mediated cytotoxicity toward tumor cells. Nelson DJ, et al. **Environ Res** 1982 Jun;28(1):154–63

Hypocalcemic effect of zinc and mechanism in rats. Yamaguchi M, et al. **J Pharmacobiodyn** 1981 Sep; 4(9):656–63

[Zinc oxide–oil of cloves or zinc oxide–eugenol?] Gülzow HJ, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):475–7 (Eng. Abstr.) **(Ger)**

[Mutagenic effect of environmental factors in metallurgical plants] Dziekanowska D. **Patol Pol** 1981;32(2):263–8 (Eng. Abstr.) **(Pol)**

[Granulometric composition of zinc dust and its role in the etiology of foundryman's fever] Nishchil RA. **Gig Tr Prof Zabol** 1982 Mar;(3):49–51 **(Rus)**

ANALYSIS

Histochemical detection of zinc and copper in various neurons of the central nervous system. Kozma M, et al. **Acta Histochem (Jena)** 1981;69(1):12–7

Zn and Cu content in human cancellous bone. Lappalainen R, et al. **Acta Orthop Scand** 1982 Feb;53(1):51–5

The effect of endotoxin on the liver lipid peroxide level and on the liver and plasma zinc concentrations in rats as related to time after administration. Sankari S, et al. **Acta Vet Scand** 1982;23(1):24–9

The measurement of zinc in biological samples: precautions and prerequisites. Alcock NW. **Alcoholism (NY)** 1981 Summer;5(3):355–6

Inorganic phosphorus and zinc concentrations in amniotic fluid: correlation with intra-amniotic infection and bacterial inhibitory activity. Gibbs RS, et al. **Am J Obstet Gynecol** 1982 May 15;143(2):163–6

The relationship of amniotic fluid phosphate-to-zinc ratios to post-cesarean section infection. Minkoff HL, et al. **Am J Obstet Gynecol** 1982 Apr 15;142(8):988–91

Analytical applications of emulsions in atomic-absorption spectrophotometry: determination of zinc in undecenoate ointments using aqueous inorganic standards. Polo Diez L, et al. **Analyst** 1981 Jul;106(1264):737–42

Zinc in normal human seminal plasma. Skandhan KP. **Andrologia** 1981 Jul–Aug;13(4):346–51

Zinc in the epididymal and vasal spermatozoa of rhesus monkey (Macaca mulatta). Srivastava A, et al. **Arch Androl** 1982 Mar;8(2):117–20

Testosterone, dihydrotestosterone, and zinc concentrations in human testis and epididymis. Suescun MO, et al. **Arch Androl** 1981 Dec;7(4):297–303

The concentrations of Zn and Mg in human enamel and dentine related to age and their concentrations in the soil. Lappalainen R, et al. **Arch Oral Biol** 1981;26(1):1–6

Zinc and magnesium in the uterus of the pregnant and pseudopregnant mouse and the effects of Mg2+ ions on uterine alkaline phosphatase. Buxton LE, et al. **Aust J Biol Sci** 1981;34(2):211–20

67Zn and 1H NMR studies of Zn2+-imidazole and carboxylate complexes. Shimizu T, et al. **Biochem Biophys Res Commun** 1982 Jun 15;106(3):988–93

Metabolism of cadmium in the neonate: effect of hepatic zinc, copper and metallothionein concentrations on the uptake of cadmium in the rat liver. Mason R. **Biochem Pharmacol** 1982 May 1;31(9):1761–4

X-ray absorption edge spectroscopy of Co(II)-binding sites of copper- and zinc-containing proteins. Desideri A, et al. **Biochim Biophys Acta** 1981 Oct 28;670(3):312–5

X-Ray fluorescence measurement of the zinc profile of a single hair. Toribara TY, et al. **Clin Chem** 1982 Apr;28(4 Pt 1):650–4

Presence of zinc in proteolytic hemorrhagic toxin isolated from Agkistrodon acutus venom. Nikai T, et al. **Comp Biochem Physiol [C]** 1982;72(1):103–6

Nature of copper and zinc compounds in tissues from a patient with Menkes kinky hair syndrome. Onishi T, et al. **Eur J Pediatr** 1981 Sep;137(1):17–21

Histochemical localization of zinc in the feline tapetum. Effect of taurine depletion. Sturman JA, et al. **Histochemistry** 1981;72(3):341–50

The autoradiographic localization of zinc within the pancreatic islets of the rainbow trout, Salmo gairdneri. Wagner GF, et al. **Histochemistry** 1981;72(1):113–21

Role of trace metals in skin pigmentation under drug and hormones; Part I: Zinc. Mondal M, et al. **Indian J Dermatol** 1980 Jul;25(3):5–9

Demonstration of ZnS in Ternidens deminutus using EDAX analysis. Goldsmid JM, et al. **Int J Parasitol** 1982 Jun; 12(2–3):145–9

Phytate:zinc molar ratio, mineral, and fiber content of three hospital diets. Ellis R, et al. **J Am Diet Assoc** 1982 Jul; 81(1):26–9

Phytate content of foods: effect on dietary zinc bioavailability. Oberleas D, et al. **J Am Diet Assoc** 1981 Oct;79(4):433–6

The presence of zinc in the restriction enzyme Eco RI. Barton JK, et al. **J Biol Chem** 1982 Jul 25;257(14):7911–4

Nuclear relaxation studies of the role of the essential metal in glyoxalase I. Sellin S, et al. **J Biol Chem** 1982 Sep 10; 257(17):10023–9

Detection of low molecular weight copper(II) and zinc(II) binding ligands in ultrafiltered milks–the citrate connection. Martin MT, et al. **J Inorg Biochem** 1981 Aug;15(1):55–65

The concentration of the elements Zn, Cu, Mg, Fe, Na, K in human amniotic fluid during birth. Anastasiadis P, et al. **J Perinat Med** 1981;9(5):228–34

Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD-polluted areas in Japan. Part II. Fecal excretion of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Apr;30(2):71–82

Low zinc levels in Aborigines [letter] Eastwell HD. **Med J Aust** 1981 Aug 22;2(4):201

Simplified determination of copper, zinc and manganese in plasma and bile by flameless atomic absorption spectrometry. Sekiya T, et al. **Nippon Geka Hokan** 1981 Nov 1;50(6):729–39

Human malignancy-associated nucleolar antigen (HuMANA) and zinc in human prostatic tissues. Gyorkey F. **Prog Clin Biol Res** 1981;75A:491–502

Zn concentration of human subgingival calculus related to F, Mg and Cu contents. Knuuttila M, et al. **Scand J Dent Res** 1981 Oct;89(5):412–6

X-ray diffraction patterns in human dentin, enamel and synthetic apatites related to Zn concentration. Lappalainen R, et al. **Scand J Dent Res** 1981 Dec;89(6):437–44

The quantification of zinc in the mucosal cells of human small intestine using x-ray microanalysis. Jones JG, et al. **Scand J Gastroenterol [Suppl]** 1981;70:37–48

Zinc and copper contents in breast milk of Japanese women. Higashi A, et al. **Tohoku J Exp Med** 1982 May;137(1):41–7

Zinc and copper concentrations in human milk and in serum from exclusively-breast-fed infants during the first 3 months of life. Ohtake M, et al. **Tohoku J Exp Med** 1981 Dec;135(4):335–43

Changes in ultrastructure and cytochemical localization of zinc in rat testis following the administration of di-n-pentyl phthalate. Foster PM, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):120–32

D-Penicillamine toxicity in mice. II. Concentrations of Cu, Zn, and Fe related to development of toxicity. Irino M, et al. **Toxicol Appl Pharmacol** 1982 Mar 30;63(1):1–12

[The value of zinc-copper determination in malignant thyroid diseases] Wiesener W, et al. **Z Arztl Fortbild (Jena)** 1982 Jan 1;76(1–2):17–9 **(Ger)**

[Assessment of the zinc risk in thermal zincification factories: monitoring of employees] Cirla AM, et al. **Ann Ist Super Sanita** 1981;17(3):465–9 **(Ita)**

[Environmental and biological monitoring of workers exposed to Pb, Zn and Cu in bronze artwork foundries] D'Andrea F, et al. **Ann Ist Super Sanita** 1981;17(3):475–9 **(Ita)**

[Metal exposure in a zinc production mill] Finelli VN, et al. **Ann Ist Super Sanita** 1981;17(3):471–4 **(Ita)**

[Assessment of the zinc risk in thermal zincification factories: environmental monitoring] Sala C, et al. **Ann Ist Super Sanita** 1981;17(3):459–64 **(Ita)**

[Studies on silver reactive cells: the relation of pancreatic islet cells to zinc (author's transl)] Nakagawa M. **Nippon Geka Hokan** 1981 Jul 1;50(4):580–8 (Eng. Abstr.) **(Jpn)**

[Histochemical study of human prostate. Ultrastructural and XMA observations of zinc in the hyperplastic and neoplastic prostate (author's transl)] Morita H. **Nippon Hinyokika Gakkai Zasshi** 1981 Jun;72(6):717–29 (Eng. Abstr.) **(Jpn)**

[Zinc and magnesium output in pancreatic juice after pancreaticoduodenectomy (author's transl)] Matsuno S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jul;78(7):1452–8 (Eng. Abstr.) **(Jpn)**

[Atomic absorption spectrophotometry method for determination of lead, cadmium, zinc and copper in various vegetable products] Brzozowska B, et al. **Rocz Panstw Zakl Hig** 1981;32(1):9–15 (Eng. Abstr.) **(Pol)**

[Histological structure of the prostate and its zinc content at various ages] Avtsyn AP, et al. **Arkh Anat Gistol Embriol** 1981 Oct;81(11):76–83 (Eng. Abstr.) **(Rus)**

[Determination of zinc and lead in aqueous and model media simulating food products by thin-layer sorbent chromatography] Kataeva SE. **Gig Sanit** 1982 May;(5):60–1 **(Rus)**

ANTAGONISTS & INHIBITORS

Zinc and copper interact antagonistically in the regulation of linoleic acid metabolism. Cunnane SC. **Prog Lipid Res** 1981;20:601–3

BLOOD

The inheritance of plasma and red blood cell magnesium and zinc levels studied from twin and family data. Darlu P, et al. **Acta Genet Med Gemellol (Roma)** 1981;30(1):67–75

Serum copper and zinc levels and copper/zinc ratio in pediatric non-Hodgkin's lymphoma. Gözdaşoğlu S, et al. **Acta Haematol (Basel)** 1982;67(1):67–70

Changes in serum zinc concentrations of some Canadian full term and low birthweight infants from birth to six months. Gibson RS, et al. **Acta Paediatr Scand** 1981 Jul; 70(4):497–500

Zinc and T-lymphocyte function in hemodialysis patients. Allen JI, et al. **Am J Clin Nutr** 1982 Sep;36(3):410–5

Release of some trace metals from disposable coils during hemodialysis. Bogden JD, et al. **Am J Clin Nutr** 1982 Sep; 36(3):403–9

Plasma zinc in hypertension/toxemia and other reproductive variables in adolescent pregnancy. Cherry FF, et al. **Am J Clin Nutr** 1981 Nov;34(11):2367–75

Erythrocyte zinc [letter] Robson JR, et al. **Am J Clin Nutr** 1981 Sep;34(9):1983

Serum trace elements and vitamin A in leprosy subtypes. Sher R, et al. **Am J Clin Nutr** 1981 Sep;34(9):1918–24

Serial serum zinc levels in preterm infants during parenteral and enteral feedings. Vileisis RA, et al. **Am J Clin Nutr** 1981 Dec;34(12):2653–7

Racial differences of hemoglobin concentration: measurements of iron, copper, and zinc. Williams DM. **Am J Clin Nutr** 1981 Sep;34(9):1694–700

Serum zinc and taste acuity in Tel-Aviv patients with inflammatory bowel disease. Tiomny E, et al. **Am J Gastroenterol** 1982 Feb;77(2):101–4

Influence of synthetic corticosteroids on plasma zinc and copper levels in humans. Yunice AA, et al. **Am J Med Sci** 1981 Sep–Oct;282(2):68–74

Plasma zinc and iron concentrations as measurements for evaluating the influence of endotoxin-neutralizing agents in Escherichia coli endotoxin-induced mastitis. Verheijden JH, et al. **Am J Vet Res** 1982 Apr;43(4):724–8

Rapid determination of albumin-bound zinc in human serum by simple affinity chromatography and atomic-absorption spectrophotometry. Foote JW, et al. **Analyst** 1982 Jan; 107(1270):121–4

Postprandial plasma zinc changes in pigs. Lantzsch HJ, et al. **Ann Nutr Metab** 1982,26(3):178–85

Effects of infection on plasma levels of copper and zinc in ewes. Lamand M, et al. **Ann Rech Vet** 1981;12(2):133–9

Zinc, prolactin, gonadotropins, and androgen levels in uremic men. Paniagua R, et al. **Arch Androl** 1982 Jun;8(4):271–5

Trace metals in dental practitioners: a three-year study. Carrel R, et al. **ASDC J Dent Child** 1981 May–Jun; 48(3):205–7

Proteins, vitamin A, carotene, folacin, ferritin and zinc in Navajo maternal and cord blood. Butte NF, et al. **Biol Neonate** 1982;41(5–6):273–8

Maternal and fetal plasma zinc concentration and fetal abnormality. Soltan MH, et al. **Br J Obstet Gynaecol** 1982 Jan;89(1):56–8

Absence of abnormal erythrocyte superoxide dismutase, copper, or zinc levels in patients with retinitis pigmentosa. Crouch RK, et al. **Br J Ophthalmol** 1982 Jul;66(7):417–21

Studies on the serum levels of iron, copper and zinc and the urinary excretion of zinc after burn injury. Shakespeare PG. **Burns Incl Therm Inj** 1982 May;8(5):358–64

Direct determination of plasma copper and zinc in infants by atomic absorption with discrete nebulization. Makino T, et al. **Clin Chem** 1981 Aug;27(8):1445–7

Zinc in plasma, neutrophils, lymphocytes, and erythrocytes as determined by flameless atomic absorption spectrophotometry. Whitehouse RC, et al. **Clin Chem** 1982 Mar;28(3):475–80

Comparative measurements of zinc-70 enrichment in human plasma samples with neutron activation and mass spectrometry. Janghorbani M, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):163–71

A highly sensitive colorimetric determination of serum zinc using water-soluble pyridylazo dye. Makino T, et al. **Clin Chim Acta** 1982 Mar 26;120(1):127–35

A micromethod for the analysis of zinc in plasma or serum by atomic absorption spectrophotometry using graphite furnace. Shaw JC, et al. **Clin Chim Acta** 1982 Feb 5; 118(2–3):229–39

Method for the simultaneous determination of cadmium and zinc in whole blood by atomic absorption spectrophotometry and measurement in normotensive and hypertensive humans. Tulley RT, et al. **Clin Chim Acta** 1982 Jul 1;122(2):189–202

Intracellular zinc in chronic lymphocytic leukemia. Kanter RJ, et al. **Clin Immunol Immunopathol** 1982 Jul;24(1):26–32

Measurement of hypozincaemia in mice: a sensitive test for detection of pyrogens. Boobis S, et al. **Clin Sci** 1981 Oct; 61(4):445–9

Zinc in ascites [letter] D'Agostino L, et al. **Dig Dis Sci** 1981 Sep;26(9):861

Zinc nutrition in Crohn's disease. Fleming CR, et al. **Dig Dis Sci** 1981 Oct;26(10):865–70

Changes of copper, iron, and zinc in the serum of patients with silicosis, silicotuberculosis, and active lung tuberculosis. Niculescu T, et al. **Environ Res** 1981 Aug; 25(2):260–8

Zinc concentration in leukocytes: mononuclear cells, granulocytes, T-lymphocytes, non-T lymphocytes and monocytes. Nishi Y, et al. **Hiroshima J Med Sci** 1981 Jun; 30(2):65–9

Low serum zinc in biliary cirrhosis in infants. Sharda B, et al. **Indian J Pediatr** 1981 Jul–Aug;48(393):439–40

Serum zinc in athletes in training. Haralambie G. **Int J Sports Med** 1981 Aug;2(3):135–8

Plasma levels of copper, iron and zinc during the estrous cycle of the ewe. Hidiroglou M, et al. **Int J Vitam Nutr Res** 1982;52(1):75–9

Study of zinc and copper in Indian childhood cirrhosis. Bhandari B, et al. **J Assoc Physicians India** 1981 Aug; 29(8):641–4

A study of serum zinc in uncontrolled diabetics. Khandelwal PD, et al. **J Assoc Physicians India** 1981 Sep;29(9):715–9

Serum zinc levels in patients with basal-cell carcinoma. Adler AL, et al. **J Dermatol Surg Oncol** 1981 Nov;7(11):911–4

Zinc and protein status in the elderly. Flint DM, et al. **J Hum Nutr** 1981 Aug;35(4):287–95

Zinc and copper levels in plasma, erythrocytes, and whole blood in cancer patients. Aldor Y, et al. **Klin Wochenschr** 1982 Apr 1;60(7):375–7

Zinc concentrations in plasma and erythrocytes in digitalized patients. Zumkley H, et al. **Klin Wochenschr** 1981 Dec 15; 59(24):1345–7

Cancer, retinol binding protein, zinc and copper [letter] Haines AP, et al. **Lancet** 1982 Jan 2;1(8262):52–3

Zinc and small babies. Meadows NJ, et al. **Lancet** 1981 Nov 21;2(8256):1135–7

Plasma zinc levels in high myopia and retinitis pigmentosa. Silverstone BZ, et al. **Metab Pediatr Ophthalmol** 1981; 5(3–4):187–90

Circadian variation in rat plasma zinc and rapid effect of dietary zinc deficiency. Hurley LS, et al. **Proc Soc Exp Biol Med** 1982 May;170(1):48–52

Taste acuity, plasma zinc levels, and weight loss during radiotherapy: a study of relationships. Bolze MS, et al. **Radiology** 1982 Jul;144(1):163–9

Decrease of plasma vitamin A, albumin and zinc in cadmium-treated rats. Sugawara C, et al. **Toxicol Lett** 1981 Aug;8(6):323–9

Zinc, copper and delta-aminolaevulinic acid dehydratase in vitro and in vivo. Nelson HM, et al. **Toxicology** 1981; 21(3):261–6

Plasma zinc and copper levels during the acute phase of protein-energy malnutrition (PEM) and after recovery. Laditan AA, et al. **Trop Geogr Med** 1982 Mar;34(1):77–80

Zinc and copper concentration in serum of patients with congenital ichthyosis, spastic di- or tetraplegia and mental retardation (Sjögren-Larsson syndrome). Jagell S, et al. **Ups J Med Sci** 1981;86(3):291–5

Zinc concentration in plasma during experimental Salmonella dublin infection and endotoxin induced fever in calves. Groothuis DG, et al. **Vet Rec** 1981 Aug 29;109(9):176–7

[Iron, copper and zinc content in healthy persons and iron-deficiency anemia patients] Mikhallova L, et al. **Vutr Boles** 1981;20(6):114–21 (Eng. Abstr.) **(Bul)**

[Changes in serum zinc levels in acute myocardial infarct] Lunda P, et al. **Vnitr Lek** 1981 Apr;27(4):351–9 (Eng. Abstr.) **(Cze)**

[Low blood zinc levels in children with nephrotic syndrome (author's transl)] Bensman A, et al. **Nouv Presse Med** 1981 Dec 19;10(46):3779–81 (Eng. Abstr.) **(Fre)**

[Changes in plasma zinc under anesthesia and surgery (author's transl)] Finsterer U, et al. **Anaesthesist** 1981 Nov; 30(11):569–74 (Eng. Abstr.) **(Ger)**

[Vitamin and atomic zinc levels in leukemic children during induction therapy (author's transl)] Lasson U, et al. **Monatsschr Kinderheilkd** 1982 Jul;130(7):552–5 (Eng. Abstr.) **(Ger)**

[Influence of psychic stress on the content of copper and zinc in blood serum] Reinhardt F, et al. **Z Gesamte Hyg** 1981 Sep;27(9):666–81 (Eng. Abstr.) **(Ger)**

[Zinc and copper in serum of patients in shock] Meissner D, et al. **Z Med Lab Diagn** 1982 Jan;23(1):3–7 (Eng. Abstr.) **(Ger)**

[Zinc levels in blood and urine of rheumatoid arthritis patients after four months treatment with D-penicillamine] Teherani DK, et al. **Z Rheumatol** 1980 Nov–Dec; 39(11–12):395–400 (Eng. Abstr.) **(Ger)**

[Importance of preventing retrobulbar optic neuropathy from ethambutol by the determination of zinc in the blood and by the Farnsworth test of color sense] Minutillo U, et al. **Arch Monaldi** 1980 Jul–Aug;35(4):217–28 (Eng. Abstr.) **(Ita)**

[Blood serum zinc concentration in healthy term and protracted pregnancy] Kolasa F, et al. **Ginekol Pol** 1981 Nov–Dec;52(11–12):973–5 (Eng. Abstr.) **(Pol)**

[Plasma zinc level during the menstrual cycle] Paprotny P, et al. **Ginekol Pol** 1981 Jul;52(7):625–30 (Eng. Abstr.) **(Pol)**

[Zinc in protein-calorie malnutrition. I. Concentration in serum of children with the clinical types, kwashiorkor and marasmic kwashiorkor] de Souza NM, et al. **Arq Gastroenterol** 1981 Apr–Jun;18(2):77–80 (Eng. Abstr.) **(Por)**

[Fluorometric method of determining the zinc content in the blood] Merkulov AI, et al. **Lab Delo** 1981;(10):603–4 (Eng. Abstr.) **(Rus)**

[Role of calcium, magnesium, copper and zinc in mental diseases] Castillo A, et al. **Acta Cient Venez** 1981; 32(2):123–31 (113 ref.) (Eng. Abstr.) **(Spa)**

[Enteropathic acrodermatitis. Hematologic study with X-ray microanalysis] Calap J, et al. **Actas Dermosifiliogr** 1981 Jul–Aug;72(7–8):411–4 **(Spa)**

[Variation of serum zinc after iron administration to dogs under pancreatic duct ligation (author's transl)] Sottano de Russo EY, et al. **Rev Esp Fisiol** 1982 Mar;38(1):47–52 (Eng. Abstr.) **(Spa)**

DEFICIENCY

Hair changes due to zinc deficiency in a case of sucrose malabsorption. Weismann K, et al. **Acta Derm Venereol (Stockh)** 1981;61(5):444–7

Zinc deficiency-induced trace element concentration and localization changes in the central nervous system of albino rat during postnatal development. I. Optical microscopic histochemical examinations. Kozma M, et al. **Acta Histochem (Jena)** 1982;70(1):54–61

Zinc deficiency-induced trace element concentration and localization changes in the central nervous system of albino rat during postnatal development. II. Atomic absorption spectrophotometric examinations. Szerdahelyi P, et al. **Acta Histochem (Jena)** 1982;70(2):173–82

Ultrastructural cutaneous changes in zinc-depleted pigs. Kapp P, et al. **Acta Vet Acad Sci Hung** 1981;28(4):463–71

Clinical manifestations of zinc deficiency. Tiber AM, et al. **Am Fam Physician** 1982 Aug;26(2):167–72

The effect of severe zinc deficiency on serum levels of albumin, transferrin, and prealbumin in man. Bates J, et al. **Am J Clin Nutr** 1981 Sep;34(9):1655–60

The importance of dietary protein in the zinc deficiency of uremia. Blendis LM, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2658–61

Diodoquin and linoleic acid absorption in zinc deficiency [letter] Cunnane SC. **Am J Clin Nutr** 1981 Sep;34(9):1982

Effect of acute zinc deprivation on plasma zinc and platelet aggregation in adult males. Gordon PR, et al. **Am J Clin Nutr** 1982 Jan;35(1):113–9

Zinc deficiency and central nervous system malformations in humans [letter] Hurley LS. **Am J Clin Nutr** 1981 Dec; 34(12):2864–5

Relationship between the nutritional status of zinc and cholesterol concentration of serum lipoproteins in adult male rats. Koo SI, et al. **Am J Clin Nutr** 1981 Nov; 34(11):2376–81

A specific dietary zinc requirement for the growth of Walker 256/M1 tumor in the rat. Mills BJ, et al. **Am J Clin Nutr** 1981 Sep;34(9):1661–9

Serum alkaline phosphatase and zinc undernutrition in infants with chronic diarrhea. Rothbaum RJ, et al. **Am J Clin Nutr** 1982 Mar;35(3):595–8

Acute zinc deficiency in a premature infant after bowel resection and intravenous alimentation. Herson VC, et al. **Am J Dis Child** 1981 Oct;135(10):968–9

Zinc deficiency in a premature infant fed exclusively human milk. Parker PH, et al. **Am J Dis Child** 1982 Jan;136(1):77–8

Zinc nutrition and salt preference in rats. Jakinovich W Jr, et al. **Am J Physiol** 1981 Sep;241(3):R233–9

Diagnostic indices of zinc deficiency in children with renal diseases. Siegler RL, et al. **Ann Clin Lab Sci** 1981 Sep–Oct; 11(5):428–33

Effect of oral zinc therapy on gonadal function in hemodialysis patients. A double-blind study. Mahajan SK, et al. **Ann Intern Med** 1982 Sep;97(3):357–61

Fifth day fits: an acute zinc deficiency syndrome? Goldberg HJ, et al. **Arch Dis Child** 1982 Aug;57(8):633–5

Symptomatic zinc deficiency in a breast-fed infant [letter] Husnoo MA, et al. **Arch Dis Child** 1981 Sep;56(9):735

Reduction of carbonic anhydrase activity in the submandibular salivary glands of zinc-deficient rats. Chaudhry IM, et al. **Arch Oral Biol** 1981;26(5):399–402

Most biological effects of zinc deficiency corrected by gamma-linolenic acid (18: 3 omega 6) but not by linoleic acid (18: 2 omega 6). Huang YS, et al. **Atherosclerosis** 1982 Feb;41(2–3):193–207

Zinc, copper and environmental factors in the aboriginal peoples of the North West. Cheek DB, et al. **Aust NZ J Med** 1981 Oct;11(5):508–12

Organ specific zinc deficiency in testicular feminization rats: hormone-metal interaction. Chan WY, et al. **Biochem Biophys Res Commun** 1981 Sep 30;102(2):630–5

Foetal mortality in moderately zinc-deficient rats is strictly related to the process of parturition: effect of maternal essential fatty acid supplementation. Cunnane SC. **Br J Nutr** 1982 May;47(3):495–504

Zinc deficiency due to alcoholic cirrhosis mimicking acrodermatitis enteropathica. Ilchyshyn A, et al. **Br Med J [Clin Res]** 1982 Jun 5;284(6330):1676

The contribution of anorexia to reduced growth in zinc-deficient chickens. Dewar WA, et al. **Br Poult Sci** 1982 Mar;23(2):129–34

Effects of undernutrition of host cell and organ function. Good RA, et al. **Cancer Res** 1982;42(2 Suppl):737s–746s

Zinc deficiency, depressed thymic hormones, and T lymphocyte dysfunction in patients with hypogammaglobulinemia. Cunningham-Rundles C, et al. **Clin Immunol Immunopathol** 1981 Dec;21(3):387–96

Zinc deficiency and photoreceptor dysfunction in chronic liver disease. Keeling PW, et al. **Clin Sci** 1982 Jan; 62(1):109–11

Effects of low-zinc status and essential fatty acid deficiency on bone development and mineralization. Odutuga AA. **Comp Biochem Physiol [A]** 1982;71(3):383–8

Acquired zinc deficiency syndrome during total parenteral alimentation. Clinical and histopathological findings. Ferrándiz C, et al. **Dermatologica** 1981;163(3):255–66

Congenital skin defects and zinc deficiency – a possible relationship. Fitzsimons RB, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Aug;12(2):79–84

Effect of feeding zinc-deficient Bengal gram (Cicer arietenum) diet to rats on the in vitro absorption of L-histidine monohydrochloride. Verma U, et al. **Experientia** 1981 Dec 15;37(12):1295

Vitamin A and zinc therapy in primary biliary cirrhosis. Herlong HF, et al. **Hepatology** 1981 Jul–Aug;1(4):348–51

Impaired microtubule assembly in brain from zinc-deficient pigs and rats. Hesketh JE. **Int J Biochem** 1981;13(8):921–6

Zinc supplementation in chronic renal failure. Eggert JV, et al. **Int J Pediatr Nephrol** 1982 Mar;3(1):21–4

Inflammation in relation to dietary intake of zinc and copper. Denko CW, et al. **Int J Tissue React** 1981 Jun;3(2):73–6

35s incorporation in rats in relation to deprivation of copper and zinc in the diet. Denko CW, et al. **Int J Tissue React** 1981 Dec;3(3–4):121–5

Herpetic keratitis in zinc-deficient rabbits. Feiler LS, et al. **Invest Ophthalmol Vis Sci** 1982 Jun;22(6):788–95

Zinc deficiency during intravenous hyperalimentation. Goldwasser B, et al. **Isr J Med Sci** 1981 Dec;17(12):1155–7

Zinc deficiency dermatosis in premature infants receiving prolonged parenteral alimentation. Arlette JP, et al. **J Am Acad Dermatol** 1981 Jul;5(1):37–42

The missing zinc [interview] Cassirer AM. **J Am Med Wom Assoc** 1981 Aug;36(8):269–70

Diabetes mellitus: impaired wound healing from zinc deficiency. Engel ED, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):536–44

Ultrastructural changes in the sperm-tail of zinc-deficient rats. Dinsdale D, et al. **J Comp Pathol** 1980 Oct; 90(4):559–66

Effects of dietary zinc deficiency on leydig cell ultrastructure in the boar. Hesketh JE. **J Comp Pathol** 1982 Apr; 92(2):239–47

Nutritional factors and autoimmunity. II. Prolongation of survival in zinc-deprived NZB/W mice. Beach RS, et al. **J Immunol** 1982 Jan;128(1):308–13

Reversibility of development retardation following murine fetal zinc deprivation. Beach RS, et al. **J Nutr** 1982 Jun; 112(6):1169–81

Effect of suboptimal zinc nutrition during gestation and lactation on rat molar tooth composition and dental caries. Cerklewski FL. **J Nutr** 1981 Oct;111(10):1780–3

Delayed type hypersensitivity in zinc deficient adult mice: impairment and restoration of responsivity to dinitrofluorobenzene. Fraker PJ, et al. **J Nutr** 1982 Feb; 112(2):309–13

Alteration of the immune and nutritional status of mice by synergy between zinc deficiency and infection with Trypanosoma cruzi. Fraker PJ, et al. **J Nutr** 1982 Jun; 112(6):1224–9

Mild zinc deficiency and undernutrition during the prenatal and postnatal periods in rats: effects on weight, food consumption, and brain catecholamine concentrations. Halas ES, et al. **J Nutr** 1982 Mar;112(3):542–51

Effect of zinc deficiency on histidine metabolism in rats. Hsu JM, et al. **J Nutr** 1982 Mar;112(3):461–7

Testicular damage associated with zinc deficiency in pre- and postpubertal rats: response to zinc repletion. Mason KE, et al. **J Nutr** 1982 May;112(5):1019–28

Effect of zinc deficiency on prostaglandin synthesis in different organs of the rat. Meydani SN, et al. **J Nutr** 1982 Jun;112(6):1098–104

Differences in blood glutathione levels of tumor-implanted or zinc-deficient rats. Mills BJ, et al. **J Nutr** 1981 Sep; 111(9):1586–92

Interaction between zinc deprivation and acute ethanol intoxication during pregnancy in rats. Ruth RE, et al. **J Nutr** 1981 Nov;111(11):2034–8

Epiphyseal plate development in the zinc-deficient rat. Suwarnasarn A, et al. **J Nutr** 1982 Jul;112(7):1320–8

Influence of dietary zinc on rat brain catecholamines. Wallwork JC, et al. **J Nutr** 1982 Mar;112(3):514–9

Effects of zinc deficiency on rat parotid gland. Alvares O, et al. **J Oral Pathol** 1981 Dec;10(6):430–5

Zinc deficiency and geophagia [letter] Cavdar OA. **J Pediatr** 1982 Jun;100(6):1003–4

Zinc deficiency and neural tube defects [letter] Sever LE. **J Pediatr** 1982 Apr;100(4):670–1

Zinc deficiency changes in the permeability of rabbit periodontium to 14C-phenytoin and 14C-albumin. Joseph CE, et al. **J Periodontol** 1982 Apr;53(4):251–6

Zinc deficiency in Crohn's disease. Sandiford JA, et al. **J R Coll Surg Edinb** 1981 Nov;26(6):357–9

Zinc deficiency in beta-thalassaemia [letter] Arcasoy A, et al. **J R Soc Med** 1982 Aug;75(8):671

Zinc deficiency developing in treatment for thalassaemia. Ridley CM. **J R Soc Med** 1982 Jan;75(1):38–9

Zinc deficiency, alcohol, and retinoid: association with esophageal cancer in rats. Gabrial GN, et al. **JNCI** 1982 May;68(5):785–9

Zinc and small babies [letter] Cavdar AO. **Lancet** 1982 Feb 6;1(8267):339–40

Zinc deficiency syndrome in patient on long-term total parenteral nutrition [letter] Mozzillo N, et al. **Lancet** 1982 Mar 27;1(8274):744

Zinc and small babies [letter] Patrick J, et al. **Lancet** 1982 Jan 16;1(8264):169–70

Effects of zinc deficiency and castration on fatty acid composition and desaturation in rats. Clejan S, et al. **Lipids** 1982 Mar;17(3):129–35

Zinc deficiency increases the rate of delta 6 desaturation of linoleic acid in rat mammary tissue. Cunnane SC, et al. **Lipids** 1981 Oct;16(10):771–4

Zinc deficiency and the fetal alcohol syndrome [editorial] Dreosti IE. **Med J Aust** 1981 Jul 11;2(1):3–4

Absence of zinc testicular deficiency in the sexual dysfunction of experimentally induced uremic rats. Ribeiro RC, et al. **Nephron** 1982;30(4):361–3

The +Lancet, volume ii, 1974: Acrodermatitis enteropathica: a lethal inherited human zinc-deficiency disorder. by E.J. Moynahan. **Nutr Rev** 1982 Mar;40(3):84–6

Zinc deficiency in Crohn's disease. Sandstead HH, et al. **Nutr Rev** 1982 Apr;40(4):109–12 (17 ref.)

Zinc deficiency in a premature infant with severe short bowel syndrome. Schwarz K, et al. **Nutr Rev** 1982 Mar;40(3):81–3

Zinc dependency as a cause of chronic diarrhea in variant acrodermatitis enteropathica. Krieger I, et al. **Pediatrics** 1982 Jun;69(6):773–7

Zinc deficiency following surgery in zinc-supplemented infants. Palma PA, et al. **Pediatrics** 1982 Jun;69(6):801–3

Acrodermatitis in breast-fed premature infants: evidence for a defect of mammary zinc secretion. Zimmerman AW, et al. **Pediatrics** 1982 Feb;69(2):176–83

Zinc deficiency in man: its origins and effects. Hambidge KM. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):129–44

The roles of trace elements in foetal and neonatal development. Hurley LS. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):145–52

Zinc deficiency and behavior: a development perspective. Gordon EF, et al. **Physiol Behav** 1982 May;28(5):893–7

Prostate development in zinc-deficient rats. Chandler JA, et al. **Prog Clin Biol Res** 1981;75A:475–90

Zinc deficiency and effects of zinc supplementation on sickle cell anemia subjects. Prasad AS. **Prog Clin Biol Res** 1981; 55:99–122

Zinc deficiency in human subjects. Prasad AS. **Prog Clin Biol Res** 1981;77:165–77 (31 ref.)

Role of zinc in linoleic acid desaturation and prostaglandin synthesis. Cunnane SC, et al. **Prog Lipid Res** 1981;20:157–60

Diuretics and zinc. Reyes AJ, et al. **S Afr Med J** 1982 Sep 4;62(11):373–5

Zinc deficiency and anencephaly in Turkey [letter] Hurley LS. **Teratology** 1982 Feb;25(1):123

Nucleoside phosphorylase in zinc deficiency. Prasad AS, et al. **Trans Assoc Am Physicians** 1981;94:314–21

[Zinc and vascular disorders (author's transl)] Robert JL, et al. **J Mal Vasc** 1981;6(3):211–3 **(Fre)**

[Zinc deficiency during prolonged total parenteral nutrition (letter)] Bertholet MC, et al. **Nouv Presse Med** 1982 Feb 13;11(7):525 **(Fre)**

[Significance of zinc substitution. Case report of isolated zinc deficiency caused by parenteral feeding] Schmidt E, et al. **Med Welt** 1982 Mar 19;33(11):389–92 **(Ger)**

[Growth hormone levels in rat serum in zinc deficiency] Roth HP, et al. **Z Tierphysiol Tierernahr Futtermittelkd** 1982; 47(4):197–200 **(Ger)**

[Essential trace elements in malnutrition (editorial)] Campos JV. **Arq Gastroenterol** 1981 Apr–Jun;18(2):75–6 **(Por)**

[Zinc gammaglobulin therapy of zinc deficiency in premature infants] Lazar Garoiu F, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Oct–Dec; 29(4):377–80 (Eng. Abstr.) **(Rum)**

[Importance of zinc in the pathogenesis and treatment of enteropathic acrodermatitis] Rukavishnikova VM, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):50–62 (Eng. Abstr.) **(Rus)**

[Zinc content in cultivated Udmurtia soils and incidence of zinc-dependent diseases] Shinskil GE, et al. **Vestn Dermatol Venerol** 1982 Apr;(4):7–10 (Eng. Abstr.) **(Rus)**

[Sexual dysfunction and zinc in renal insufficiency] del Río Vásquez A, et al. **Med Clin (Barc)** 1981 Jul 15;77(3):130–4 **(Spa)**

[Personal experience with secondary zinc deficiency in human pathology] Del Río Vázquez A, et al. **Rev Clin Esp** 1981 May 31;161(4):207–13 **(Spa)**

DIAGNOSTIC USE

A zinc tolerance test. Pohit J, et al. **Clin Chim Acta** 1981 Aug 10;114(2–3):279–81

Clinical application of an oral zinc tolerance test. **Nutr Rev** 1981 Mar;39(3):129–31 (13 ref.)

Zinc-iodide-osmium procedures as markers of subcellular structures. I. Standardization of staining of transmitter containing vesicles. Rodríguez EM, et al. **Z Mikrosk Anat Forsch** 1981;95(2):257–75

IMMUNOLOGY

[Modification of the antigenicity of the serum thymic factor (thymulin) by zinc] Pleau JM, et al. **C R Seances Acad Sci [III]** 1981 May 11;292(17):991–3 (Eng. Abstr.) **(Fre)**

METABOLISM

Excretion of zinc in rat bile – a role of glutathione. Alexander J, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Sep; 49(3):190–4

Zinc concentrations in human plasma and in rat plasma and tissues during lithium administration. Schou M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Oct;49(4):298–300

Zinc concentrations in pancreas and liver of cattle in Norway. Norheim G, et al. **Acta Vet Scand** 1981; 22(2):286–8

Structure-activity requirements for the induction of testicular atrophy by butyl phthalates in immature rats: effect on testicular zinc content. Foster PM, et al. **Adv Exp Med Biol** 1981;136 Pt A:445–52

The influence of phenylbutazone on the zinc level in serum and paw tissue of rats with adjuvant arthritis. Schmollack W, et al. **Agents Actions [Suppl]** 1982;10:83–97

Acute and chronic stress interrelationship in rat: changes in Cu and Zn levels. Armario A, et al. **Agressologie** 1981; 22(4):155–8

Altered development of brain by neonatal ethanol exposure: zinc levels during and after exposure. Samson HH, et al. **Alcoholism (NY)** 1981 Fall;5(4):563–9

Effect of growth hormone on hair, serum, and urine zinc in growth hormone-deficient children. Cheruvanky T, et al. **Am J Clin Nutr** 1982 Apr;35(4):668–70

The zinc-retinol-thyroid interaction [letter] Cope FO. **Am J Clin Nutr** 1982 Apr;35(4):774–6

Zinc in hair of healthy and malnourished children [letter] Dórea JG. **Am J Clin Nutr** 1981 Oct;34(10):2323–4

Absorption of dietary zinc in man: comparison of intrinsic and extrinsic labels using a triple stable isotope method. Janghorbani M, et al. **Am J Clin Nutr** 1982 Sep;36(3):537–45

Picolinic acid in milk, pancreatic juice, and intestine: inadequate for role in zinc absorption. Rebello T, et al. **Am J Clin Nutr** 1982 Jan;35(1):1–5

Zinc, copper, and iron balance in elderly men. Turnlund J, et al. **Am J Clin Nutr** 1981 Dec;34(12):2641–7

Use of enriched stable isotopes to determine zinc and iron absorption in elderly men. Turnlund JR, et al. **Am J Clin Nutr** 1982 May;35(5):1033–40

Zinc concentration in hair and serum of pregnant women in Belfast. Vir SC, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2800–7

Renal handling of zinc: effect of cysteine infusion. Abu-Hamdan DK, et al. **Am J Physiol** 1981 Nov; 241(5):F487–94

Renal tubular handling of zinc in the dog. Victery W, et al. **Am J Physiol** 1981 Nov;241(5):F532–9

Serum zinc levels and urinary zinc excretion in patients with bronchogenic carcinoma. Effects of tumor resection. Voyatzoglou V, et al. **Am J Surg** 1982 Sep;144(3):355–8

The influence of zinc status on the anti-Lewis lung tumour activity of cisplatin and gallium. Capel ID, et al. **Anticancer Res** 1981;1(5):269–73

Zinc iodide-osmium staining of membrane-coating granules in keratinized and non-keratinized mammalian oral epithelium. Squier CA. **Arch Oral Biol** 1982;27(5):377–82

Effect of thiocarbamate derivatives on copper, zinc, and mercury distribution in rats and mice. Aaseth J, et al. **Arch Toxicol** 1981 Aug;48(1):29–39

43Ca and 67Zn NMR study of Ca2+, Zn2+-thermolysin

complexes. Shimizu T, et al.
Biochem Biophys Res Commun 1982 Feb 26;104(4):1356–62

Selective binding of zinc ions to heparin rather than to other glycosaminoglycans. Parrish RF, et al. **Biochem J** 1981 Feb 1;193(2):407–10

Zinc metalloenzyme properties of active and latent collagenase from rabbit bone. Swann JC, et al.
Biochem J 1981 Apr 1;195(1):41–9

Cation binding properties of the multiple subforms of RVV-X, the coagulant protein from Vipera russelli. Amphlett GW, et al. **Biochemistry** 1982 Jan 5;21(1):125–32

Binding of zinc to Escherichia coli phenylalanyl transfer ribonucleic acid synthetase. Comparison with other aminoacyl transfer ribonucleic acid synthetases. Mayaux JF, et al. **Biochemistry** 1981 Aug 4;20(16):4647–54

Metal binding to D-lactate dehydrogenase. Morpeth FF, et al. **Biochemistry** 1982 Mar 16;21(6):1318–23

Association of acylglyceride and retinyl palmitate hydrolase activities with zinc and copper metalloproteins in a high molecular weight lipid-protein aggregate fraction from chick liver cytosol. Sklan D, et al.
Biochim Biophys Acta 1982 Jun 11;711(3):532–8

Zinc, the brain and behavior. Pfeiffer CC, et al.
Biol Psychiatry 1982 Apr;17(4):513–32

The effect of porta-systemic shunting on liver, brain and kidney zinc concentrations in the rat. Epstein O. et al.
Br J Exp Pathol 1982 Apr;63(2):203–6

A model for zinc metabolism in sheep given a diet of hay. Suttle NF, et al. **Br J Nutr** 1982 Jan;47(1):105–12

Balanus eburneus: a sensitive indicator of copper and zinc pollution in the coastal zone. Barber S, et al.
Bull Environ Contam Toxicol 1981 Nov;27(5):654–9

Heavy metals in mammals from two unmined copper-zinc deposits in Wisconsin. Smith GJ, et al.
Bull Environ Contam Toxicol 1981 Jul;27(1):28–33

Hormonal regulation of zinc metabolism in a human prostatic carcinoma cell line (PC-3). Giles PJ, et al. **Cancer Res** 1982 Jan;42(1):2–7

Zinc accumulation and succinate dehydrogenase activation in hepatic mitochondria of rats orally administered zinc sulfate. Yamaguchi M. et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2370–4

The application of gel filtration, immunonephelometry and electrothermal atomic absorption spectrometry to the study of the distribution of copper-, iron- and zinc-bound constituents in human amniotic fluid. Gardiner PE, et al. **Clin Chim Acta** 1982 Mar 26;120(1):103–17

Effects of gold sodium thiomalate on cytosolic copper and zinc in the rat kidney and liver tissues. Sharma RP, et al. **Clin Exp Pharmacol Physiol** 1981 Nov–Dec;8(6):591–9

Zinc tolerance tests in chronic uremia. Antoniou LD, et al. **Clin Nephrol** 1981 Oct;16(4):181–7

Direct measurement of the hepatointestinal extraction of zinc in cirrhosis and hepatitis. Keeling PW, et al. **Clin Sci** 1981 Oct;61(4):441–4

Zinc and cystinuria [letter] Ruse W, et al. **Clin Sci** 1982 Aug; 63(2):223–4

Percutaneous absorption of zinc in acrodermatitis enteropathica. Parra CA, et al. **Dermatologica** 1981; 163(5):413–6

The effect of dexamethasone on the kinetics of jejunal zinc uptake and metallothionein synthesis in the rat. Bonewitz RF, et al. **Dev Toxicol Environ Sci** 1982;9:203–14

Zinc and copper metabolism in neonates: role of metallothionein in growth and development in the rat. Brady FO, et al. **Dev Toxicol Environ Sci** 1982;9:77–98

Relationship of metallothionein synthesis and degradation to intracellular zinc metabolism. Cousins RJ.
Dev Toxicol Environ Sci 1982;9:251–62 (50 ref.)

Sex-linked distribution of cadmium, zinc and copper in tissues of cadmium-treated rats. Gabor S, et al.
Dev Toxicol Environ Sci 1980;8:575–80

Turnover of metallothionein in mammalian cells. Kobayashi S, et al. **Dev Toxicol Environ Sci** 1982;9:305–22

Role of metallothionein in zinc uptake from rat jejunum. Sugawara N. **Dev Toxicol Environ Sci** 1982;9:155–62

Metal-binding properties of metallothionein in extracellular fluids and its role in cadmium-exposed rats. Suzuki Y.
Dev Toxicol Environ Sci 1982;9:25–35

Role of metallothionein in zinc metabolism. Whanger PD, et al. **Dev Toxicol Environ Sci** 1982;9:263–77

Zinc absorption following massive small-bowel resection in the rat. Antonson DL, et al. **Dig Dis Sci** 1982 Sep; 27(9):789–93

Cadmium, lead and zinc in growing rats fed corn leaf tissue grown on soil amended with sewage sludge or heavy metal salts. Miller J, et al. **Environ Health Perspect** 1981 Dec; 42:197–202

The effect of cadmium administration on the biliary excretion of copper and zinc and tissue disposition of these metals. Ashby SL, et al. **Environ Res** 1981 Oct;26(1):95–104

Detoxication of zinc and cadmium by the freshwater protozoan Tetrahymena pyriformis. I. The effect of water hardness. Chapman G, et al. **Environ Res** 1981 Oct; 26(1):81–6

Disturbances in the metabolism of endogenous metals (Zn and Cu) in nickel-exposed rats. Chmielnicka J, et al.
Environ Res 1982 Feb;27(1):216–21

Effect of cadmium administration on absorption, retention, and excretion of zinc-65 administered to rats. Oh SH, et al. **Environ Res** 1981 Oct;26(1):130–5

Identification of a bacterial energy-transducing ATPase as a metallo (Zn2+) protein. Effect of chelating agents and divalent metal ions on ATPase activity. Mollinedo F, et al. **Eur J Biochem** 1981 Sep;119(1):183–8

Zinc, copper and manganese levels in various tissues following fluoride administration. Kanwar KC, et al.
Experientia 1981 Dec 15;37(12):1328–9

The low molecular weight cadmium-, mercury- and zinc-binding proteins (metallothioneins): biosynthesis, metabolism, and possible role in metal toxicity. Shaikh ZA.
Experientia [Suppl] 1979;34:331–6

Nutritional and environmental factors affecting metallothionein levels. Whanger PD, et al.
Experientia [Suppl] 1979;34:281–91

The role of zinc in nitrilotriacetate(NTA)-associated renal tubular cell toxicity. Anderson RL.
Food Cosmet Toxicol 1981 Oct;19(5):639–50

Effect of dietary tin on zinc. Copper and iron utilization in rats. Greger JL, et al. **Food Cosmet Toxicol** 1981 Apr; 19(2):163–6

Hair zinc levels and nutritional status in urban children from Ilheus, Bahia, Brazil. Dorea JG, et al.
Hum Nutr Appl Nutr 1982 Feb;36(1):63–7

Transport of zinc in rat intestine in vitro during growth & development. Lyall V, et al. **Indian J Biochem Biophys** 1981 Dec;18(6):430–3

The cumulation of zinc and cadmium in fish (Poecilia reticulata). Starý J, et al. **Int J Environ Anal Chem** 1982; 11(2):117–20

Design, synthesis and 13C- and 1H-N.M.R. investigation of a cyclic octapeptide to mimic the zinc-binding site of carboxyipeptidase A. Iyer KS, et al.
Int J Pept Protein Res 1981 May;17(5):549–59

Molecular design of a cyclic heptapeptide to mimic the zinc-binding site of carbonic anhydrase. Synthesis and zinc-binding studies by 13C-and 1H-N.M.R. spectroscopy. Iyer KS, et al. **Int J Pept Protein Res** 1981 Nov; 18(5):468–77

Vitamin and alcoholism. IX. Vitamin A. Bonjour JP.
Int J Vitam Nutr Res 1981;51(2):166–77 (51 ref.)

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with trypsin and chymotrypsin. Barra D, et al. **Ital J Biochem** 1982 Jan–Feb; 31(1):28–38

The primary structure of human erythrocyte copper/zinc superoxide dismutase: cleavage with Staphylococcus aureus protease, determination of the N-terminal blocking group and location of the disulfide bond. Martini F, et al.
Ital J Biochem 1982 Jan–Feb;31(1):39–47

Factors affecting the bioavailability of zinc. Solomons NW.
J Am Diet Assoc 1982 Feb;80(2):115–21 (63 ref.)

Evidence for site-selective metal binding in calf liver metallothionein. Briggs RW, et al. **J Biol Chem** 1982 Feb 10;257(3):1259–62

Rat liver Cu,Zn-superoxide dismutase. Subcellular location in lysosomes. Geller BL, et al. **J Biol Chem** 1982 Aug 10; 257(15):8945–52

Effect of zinc deficiency on Mycobacterium tuberculosis var. bovis (BCG). De Bruyn J, et al. **J Gen Microbiol** 1981 Jun;124(Pt 2):353–7

Elevated body zinc in rats with inherited retinal dystrophy. Eckhert CD. **J Hered** 1981 Mar–Apr;72(2):130

Copper and zinc ion binding by bovine, dog, and rat serum albumins. Giroux E, et al. **J Inorg Biochem** 1981 Jul; 14(4):359–62

The effect of ethanol feeding on zinc balance and tissue zinc levels in rats maintained on zinc-deficient diets. Ahmed SB, et al. **J Lab Clin Med** 1982 Aug;100(2):211–7

Fetal alcohol syndrome: inhibition of placental zinc transport as a potential mechanism for fetal growth retardation in the rat. Ghishan FK, et al. **J Lab Clin Med** 1982 Jul; 100(1):45–52

Altered tissue content and cytosol distribution of trace metals in experimental diabetes. Failla ML, et al. **J Nutr** 1981 Nov; 111(11):1900–9

Zinc absorption in cattle with a dietary picolinic acid supplement. Flagstad T. **J Nutr** 1981 Nov;111(11):1996–9

Effect of phytic acid on the absorption, distribution, and endogenous excretion of zinc in rats. House WA, et al.
J Nutr 1982 May;112(5):941–53

A mass spectrometric method for use of stable isotopes as tracers in studies of iron, zinc, and copper absorption in human subjects. Johnson PE. **J Nutr** 1982 Jul; 112(7):1414–24

Tissue uptake of zinc in rats following the administration of zinc dipicolinate or zinc histidinate. Johnson WT, et al. **J Nutr** 1982 May;112(5):914–9

Effect of phytate:zinc molar ratio and isolated soybean protein on zinc bioavailability. Lo GS, et al. **J Nutr** 1981 Dec;111(12):2223–35

Turnover of bone zinc during normal and accelerated bone loss in rats. Murray EJ, et al. **J Nutr** 1981 Sep;111(9):1641–7

Ethanol-provoked disturbances in the binding of zinc to rat jejunal mucosal proteins. Silverman B, et al. **J Nutr** 1982 Apr;112(4):744–9

Effect of dietary calcium and phosphorus levels on the utilization of iron, copper, and zinc by adult males. Snedeker SM, et al. **J Nutr** 1982 Jan;112(1):136–43

Zinc utilization in pregnant and nonpregnant women fed controlled diets providing the zinc RDA. Swanson CA, et al. **J Nutr** 1982 Apr;112(4):697–707

Availability to rats of zinc from soybean seeds as affected by maturity of seed, source of dietary protein, and soluble phytate. Welch RM, et al. **J Nutr** 1982 May;112(5):879–85

Oral supplements and zinc metabolism [letter] Simkin PA.
J Rheumatol 1981 Jul–Aug;8(4):693–5

Factors implicated in determining the structure of zinc tubulin-sheets: lateral tubulin-tubulin interaction is promoted by the presence of zinc. de la Torre J, et al.
J Supramol Struct Cell Biochem 1981;17(2):183–96

Tissue metallothionein: dietary interaction of cadmium and zinc with copper, mercury, and silver. Oh SH, et al.
J Toxicol Environ Health 1981 Mar–Apr;7(3–4):547–60

Effect of acute administration of cadmium on distribution of zinc in the hamster. Wada O, et al.
J Toxicol Environ Health 1982 Mar;9(3):509–13

Zinc concentration and content of the dorsal, lateral and medical prostatic lobes and of periurethral adenomas in man. Tisell LE, et al. **J Urol** 1982 Aug;128(2):403–5

Zinc and copper status of treated children with phenylketonuria. Acosta PB, et al. **JPEN** 1981 Sep–Oct; 5(5):406–9

Gel filtration pattern of cadmium, zinc, and copper in liver and renal cortex supernatants of cadmium-treated monkeys. Koizumi N, et al. **Kobe J Med Sci** 1981 Dec; 27(6):239–49

Uptake of 65Zn in tapetum lucidum. Tjälve H, et al.
Med Biol 1982 Apr;60(2):112–5

Effects of oral zinc loading on zinc metabolism in humans—I: Experimental studies. Aamodt RL, et al. **Metabolism** 1982 Apr;31(4):326–34

Effects of oral zinc loading on zinc metabolism in humans II: in vivo kinetics. Babcock AK, et al. **Metabolism** 1982 Apr;31(4):336–47

Uptake of Zn++ and aflatoxin from perlite and liquid culture by Zea mays seedlings. Llewellyn GC, et al.
Mycopathologia 1982 Feb 19;77(2):111–6

Renal cadmium and zinc concentrations in horses in Norway. Bjorland J, et al. **Nord Vet Med** 1981 Dec;33(12):530–4

Partitioning of zinc and copper within subnuclear nucleoprotein particles. Bryan SE, et al.
Nucleic Acids Res 1981 Nov 11;9(21):5811–23

Inhibition of zinc absorption by inorganic iron. **Nutr Rev** 1982 Mar;40(3):76–7 (8 ref.)

Hair zinc in normal populations. **Nutr Rev** 1982 Mar; 40(3):74–6 (9 ref.)

On the entero-pancreatic circulation of endogenous zinc.
Nutr Rev 1981 Apr;39(4):162–3

Zinc binding in human milk: citrate versus picolinate. Hurley LS, et al. **Nutr Rev** 1982 Mar;40(3):65–71 (49 ref.)

Maternal essential fatty acid supplementation increases zinc absorption in neonatal rats: relevance to the defect in zinc absorption in acrodermatitis enteropathica. Cunnane SC.
Pediatr Res 1982 Aug;16(8):599–603

The effect of lactose on the intestinal absorption of calcium and zinc in the rat during maturation. Ghishan FK, et al.
Pediatr Res 1982 Jul;16(7):566–8

Availability of zinc: loading tests with human milk, cow's milk, and infant formulas. Casey CE, et al. **Pediatrics** 1981 Sep;68(3):394–6

Lateralization of zinc in rat brain and its relationship to a spatial behavior. Valdes JJ, et al.
Pharmacol Biochem Behav 1982 Jun;16(6):915–7

Ferritin: a zinc detoxicant and a zinc ion donor. Price D, et al. **Proc Natl Acad Sci USA** 1982 May;79(10):3116–9

Studies of zinc in normal and neoplastic prostatic tissues. Rosoff B. **Prog Clin Biol Res** 1981;75A:447–57

Differential regulation of essential fatty acid metabolism to the prostaglandins: possible basis for the interaction of zinc and copper in biological systems. Cunnane SC.
Prog Lipid Res 1982;21(1):73–90 (125 ref.)

Changes in serum and urinary zinc induced by ASA and Indomethacin [letter] Ambanelli U, et al.
Scand J Rheumatol 1982;11(1):63–4

Zinc Depletion following experimental fluorosis in mice. Kanwar KC, et al. **Sci Total Environ** 1981 Dec;22(1):79–83

Effects of ethanol on brain zinc concentrations in mice. Stull RE, et al. **Subst Alcohol Actions Misuse** 1980;1(5–6):565–8

Acute effects of lead on the renal handling of zinc in dogs. Victery W, et al. **Toxicol Appl Pharmacol** 1981 Dec; 61(3):358–67

Effect of ascorbic acid status of the guinea pig on cadmium and zinc uptake from the intestine. Lyall V, et al.
Toxicol Lett 1981 Dec;9(4):403–7

Effects of Zn status, bile and other endogenous factors on jejunal Cd absorption. Foulkes EC, et al. **Toxicology** 1981; 22(2):115–22

The induced synthesis of metallothionein in various tissues of rats in response to metals. II. Influence of zinc status and specific effect on pancreatic metallothionein. Onosaka S, et al. **Toxicology** 1982;23(1):11–20

Studies on the Zn2+/Co2+ exchange with acylamino acid amidohydrolase from pig kidney. Kumpe E, et al.
Z Naturforsch [C] 1981 Nov–Dec;36(11–12):951–5

Factorial estimation of the zinc requirement of lactating dairy cows. Weigand E, et al.
Z Tierphysiol Tiernahr Futtermittelkd 1982;47(1):1–9 (44 ref.)

[Manganese and zinc absorption in juvenile, sexually mature and pregnant animals] Kaludin I, et al. **Vet Med Nauki** 1981;18(5):64–9 (Eng. Abstr.) **(Bul)**

[Zinc and cirrhosis of the liver] Paraf A. **Med Chir Dig** 1981; 10(4):323–5 **(Fre)**

[Pregnancy anabolism of the trace elements copper, zinc, nickel and manganese in sows] Kirchgessner M, et al.

Arch Tierernahr 1981 Jan;31(1):21-34 (Eng. Abstr.) **(Ger)**

[Influence of age and sex on in vitro intestinal absorption of zinc and manganese] Sherif YS, et al. **Arch Tierernahr** 1981 Sep;31(9):597-607 (Eng. Abstr.) **(Ger)**

[The dependence of delta-aminolevulinic acid dehydratase upon alimentary tract zinc] Roth HP, et al. **Z Tierphysiol Tiernahr Futtermittelkd** 1981;46(1-2):59-63 (Eng. Abstr.) **(Ger)**

[Effects of calcium deficiency on the in-vivo interaction of cadmium and zinc (author's transl)] Nakamura K, et al. **Nippon Eiseigaku Zasshi** 1981 Feb;35(6):851-7 (Eng. Abstr.) **(Jpn)**

[Zinc and cadmium metabolic indices in glomerulonephritis and hypertension] Karlinskil VM, et al. **Urol Nefrol (Mosk)** 1981 Nov-Dec;(6):28-32 (Eng. Abstr.) **(Rus)**

[Zinc in normal and pathological states] Radbil' OS. **Vopr Pitan** 1981 Nov-Dec;(6):10-5 (56 ref.) **(Rus)**

PHARMACODYNAMICS

Inhibition of enkephalin binding to opiate receptors by zinc ions: possible physiological importance in the brain. Stengaard-Pedersen K. **Acta Pharmacol Toxicol (Copenh)** 1982 Mar;50(3):213-20

The effect of zinc ions (Zn2+) on the procoagulant activity of PMN leukocytes. Gazdy E, et al. **Acta Physiol Acad Sci Hung** 1981;57(1):29-35

Effect of zinc sulphate supplementation on amino acid absorption from pig intestine. I. Intestinal loop tests. Boldizsár H, et al. **Acta Vet Acad Sci Hung** 1981; 28(4):409-18

Metallothionein as a trap for reactive organic intermediates. Klaassen CD, et al. **Adv Exp Med Biol** 1981;136 Pt A:633-46

The effect of zinc on cellular immunity in chronic uremia. Antoniou LD, et al. **Am J Clin Nutr** 1981 Sep;34(9):1912-7

The effect of dietary zinc on intestinal copper absorption. Fischer PW, et al. **Am J Clin Nutr** 1981 Sep;34(9):1670-5

A copper-deficient, zinc-supplemented diet produces emphysema in pigs. Soskel NT, et al. **Am Rev Respir Dis** 1982 Aug;126(2):316-25

The effects of high dietary zinc on food intake in the domestic fowl. Gentle MJ, et al. **Appetite** 1982 Mar;3(1):53-60

Metal-deficient copper-zinc superoxide dismutases. Jewett SL, et al. **Arch Biochem Biophys** 1982 Apr 15;215(1):116-28

The effect of dietary cadmium and zinc on lipids, proteins and carbohydrates in rats. Rana SV, et al. **Arh Hig Rada Toksikol** 1981;32(2):157-61

Pulpal reaction to IRM cement: an intermediate restorative material containing eugenol. Brännström M, et al. **ASDC J Dent Child** 1981 Jul-Aug;48(4):259-63

Zinc-induced self-assembly of goat brain tubulin: some novel aspects. Banerjee A, et al. **Biochem Biophys Res Commun** 1982 Apr 29;105(4):1503-10

Inhibition by zinc of the binding of C1 to antigen-antibody complexes. Boyle MD. **Biochem Biophys Res Commun** 1981 Dec 15;103(3):856-62

Processing of pre-ornithine transcarbamylase requires a zinc-dependent protease localized to the mitochondrial matrix. Conboy JG, et al. **Biochem Biophys Res Commun** 1982 Mar 15;105(1):1-7

Hydrolysis of a thiopeptide by cadmium carboxypeptidase A. Mock WL, et al. **Biochem Biophys Res Commun** 1981 Sep 16;102(1):389-96

The effect of phenothiazine and non-phenothiazine inhibitors of calmodulin on platelet calcium fluxes. White GC 2d, et al. **Biochem Biophys Res Commun** 1982 Feb 11; 104(3):1066-72

The inhibitory effect of Zn2+ on poly(ADP-ribose) polymerase activity and its reversal. Larsen AG, et al. **Biochem J** 1982 May 1;203(2):511-3

The effect of zinc and copper pretreatment on the binding of gold (I) to hepatic and renal metallothioneins. Sharma RP, et al. **Biochem Pharmacol** 1982 Jun 15;31(12):2153-9

Formamide-induced dissociation and inactivation of Escherichia coli alkaline phosphatase. Metal-dependent reassociation and restoration of activity from isolated subunits. Falk MC, et al. **Biochemistry** 1982 Mar 30; 21(7):1471-8

Zinc(II)-dependent synthesis of diadenosine 5', 5''' -P(1) ,P(4) -tetraphosphate by Escherichia coli and yeast phenylalanyl transfer ribonucleic acid synthetases. Plateau P, et al. **Biochemistry** 1981 Aug 4;20(16):4654-62

Nuclear magnetic resonance and chemical modification studies of the role of the metal in yeast aldolase. Smith GM, et al. **Biochemistry** 1981 Jul 21;20(15):4340-6

Reactions of thio analogues of adenosine 5'-triphosphate catalyzed by methionyl-tRNA synthetase from Escherichia coli and metal dependence of stereospecificity. Smith LT, et al. **Biochemistry** 1982 Mar 30;21(7):1530-4

Effects of copper and zinc on rat uterine muscle contraction and rabbit blastocyst fluid accumulation. Verdugo P, et al. **Biol Reprod** 1981 Oct;25(3):502-10

beta-Naphthylamidase activity of the cell surface of ehrlich ascites cells. Reversible control of enzyme activity by metal ions and thiols. Short AK, et al. **Br J Cancer** 1981 Nov; 44(5):709-16

Effects of zinc on the cytoskeletal proteins in the central nervous system of the rat. Kress Y, et al. **Brain Res** 1981 Sep 7;220(1):139-49

Zinc-induced resistance to alkylating agent toxicity. Tobey RA, et al. **Cancer Res** 1982 Aug;42(8):2980-4

Zinc accumulation and succinate dehydrogenase activation in hepatic mitochondria of rats orally administered zinc sulfate. Yamaguchi M, et al. **Chem Pharm Bull (Tokyo)** 1981 Aug;29(8):2370-4

Organ and subcellular distribution of mercury in rats in the presence of cadmium, zinc, copper, and sodium selenite. Komsta-Szumska E, et al. **Clin Toxicol** 1981 Nov; 18(11):1327-34

Oxygen consumption of the dogfish gill tissue following zinc treatment. Tort L, et al. **Comp Biochem Physiol [C]** 1982; 72(1):145-8

The role of zinc in Müllerian duct regression. Budzik GP, et al. **Endocrinology** 1982 May;110(5):1521-5

Multicompartment kinetic models for cadmium. I. Effects of zinc on cadmium retention in male mice. Marcus AH. **Environ Res** 1982 Feb;27(1):46-51

Aconitase activity, citrate oxidation, and zinc inhibition in rat ventral prostate. Costello LC, et al. **Enzyme** 1981; 26(6):281-7

Influence of zinc and copper on lapine articular chondrocytes in monolayer culture: morphology, proliferation and proteoglycan synthesis. Kirkpatrick CJ, et al. **Exp Cell Biol** 1982;50(2):108-14

Effects of zinc and lithium ions on the strengthening cell adhesion in sea urchin blastulae. Fujisawa H, et al. **Experientia** 1982 Jul 15;38(7):852-3

Toxic effects of Zn++ and Cu++ on mouse blastocysts in vitro. Van Winkle LJ, et al. **Experientia** 1982 Mar 15; 38(3):354-6

In vivo and ex vivo induction of rat liver metallothionein. Brady FO, et al. **Experientia [Suppl]** 1979;34:261-71

Metabolism and potential toxic effects of metallothionein. Cherian MG. **Experientia [Suppl]** 1979;34:337-45

Neurosecretion of the hypothalamo-hypophyseal system after intragastric administration of zinc oxide. Kozik MB, et al. **Folia Histochem Cytochem (Krakow)** 1981; 19(2):115-22

The precipitation of hemoglobin by zinc: its application to the isolation of a minor hemoglobin fraction (HbB2 delta 16 Gly replaced by Arg) from lysed whole blood. Lehmann H, et al. **Hemoglobin** 1982;6(2):183-6

The metal ion requirement for activation of latent collagenase from human polymorphonuclear leucocytes. Macartney HW, et al. **Hoppe Seylers Z Physiol Chem** 1981 Nov; 362(11):1523-31

The role of Zn2+ in pyridoxal phosphate mediated regulation of glutamic acid decarboxylase in brain. Ebadi M, et al. **Int J Biochem** 1981;13(10):1107-12

Cadmium and zinc induced nuclear changes in the liver and kidney of rats. Rana SV, et al. **Int J Tissue React** 1981 Mar;3(1):57-64

Amplification of the metallothionein-I gene in cadmium- and zinc-resistant Chinese hamster ovary cells. Gick GG, et al. **J Biol Chem** 1982 Aug 10;257(15):9049-53

The mechanism of the insulin-like effects of ionic zinc. May JM, et al. **J Biol Chem** 1982 Apr 25;257(8):4362-8

SV40-transformed human cells fail to grow in zinc concentrations which permit normal human fibroblast proliferation. Epstein J. **J Cell Physiol** 1982 Jan; 110(1):17-22

Zinc sensitivity of Trichomonas vaginalis: in vitro studies and clinical implications. Krieger JN, et al. **J Infect Dis** 1982 Sep;146(3):341-5

Metal-directed affinity labeling of zinc(II), cobalt(II), and cadmium(II) horse liver alcohol dehydrogenases. Dahl KH, et al. **J Inorg Biochem** 1981 Aug;15(1):79-87

Removal of trace metals from culture media and sera for in vitro deficiency studies. Messer HH, et al. **J Nutr** 1982 Apr;112(4):652-7

Effect of excess dietary zinc on tissue storage of iron in rats. O'Neil-Cutting MA, et al. **J Nutr** 1981 Nov; 111(11):1969-79

Induction of kidney metallothionein and netallothionein messenger RNA by zinc and cadmium. Swerdel MR, et al. **J Nutr** 1982 Apr;112(4):801-9

Inhibitory effect of Zn2+ on rabbit muscle pyruvate kinase and reactivation by histidine. Tamaki N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1981;27(2):107-16

Zinc effects on mouse spermatozoa and in-vitro fertilization. Aonuma S, et al. **J Reprod Fertil** 1981 Nov;63(2):463-6

Protective action of zinc against pyrrolizidine alkaloid-induced hepatotoxicity in rats. Miranda CL, et al. **J Toxicol Environ Health** 1982 Mar;9(3):359-66

The effect of zinc on wound healing: a collective review. Liszewski RF. **JAOA** 1981 Oct;81(2):104-6 (23 ref.)

Lipotropic effects of zinc, vitamin B12, and glutathione on the fatty liver of rat. A histochemical study. Rana SV, et al. **Mikroskopie** 1981 Oct;38(9-10):294-300

Interaction of zinc ions with DNA-dependent RNA polymerases A, B and C isolated from calf thymus. Brudzynska K, et al. **Mol Biol Rep** 1982 Mar 31;8(2):77-83

Oral zinc and immunoregulation: a nutritional or pharmacological effect of zinc supplementation? **Nutr Rev** 1982 Mar;40(3):72-4 (10 ref.)

Antibacterial activity of gutta-percha cones attributed to the zinc oxide component. Moorer WR, et al. **Oral Surg** 1982 May;53(5):508-17

A comparison of pulp responses to two different materials in the dog and the rat. Watts A, et al. **Oral Surg** 1981 Dec;52(6):648-52

A double-blind trial of systemic zinc sulfate in recurrent aphthous stomatitis. Wray D. **Oral Surg** 1982 May; 53(5):469-72

Zn(II)-induced cooperativity of Escherichia coli ornithine transcarbamoylase. Kuo LC, et al. **Proc Natl Acad Sci USA** 1982 Apr;79(7):2250-4

The influence of zinc on the ontogeny of hepatic metallothionein in the fetal rat. Charles-Shannon VL, et al. **Proc Soc Exp Biol Med** 1981 Oct;168(1):56-61

Interactions of zinc with prostaglandins E1 and E2 in vascular smooth muscle. Cunnane SC, et al. **Prog Lipid Res** 1981;20:261-4

In vitro susceptibility of Trichomonas vaginalis to zinc. Gardner WA Jr, et al. **Prostate** 1981;2(3):323-5

Role of Zn2+ and other divalent metal ions in human lymphokine production in vitro. Bendtzen K, et al. **Scand J Immunol** 1982;15(1):81-6

Detection of circulating metallothionein in rats injected with zinc or cadmium. Garvey JS, et al. **Science** 1981 Nov 13; 214(4522):805-7

Effects of cadmium and zinc on canine tracheal bioelectric properties. Stutts MJ, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):147-54

Zinc-induced resistance to alklylating agents: lack of correlation between cell survival and metallothionein content. Tobey RA, et al. **Toxicol Appl Pharmacol** 1982 Jun 15;64(1):72-8

[Antagonistic action of a detergent, superinone, and of zinc salts on the stimulation of preputial glands in castrated mice induced by various androgenic steroids] Marois M, et al. **Bull Acad Natl Med (Paris)** 1981 Nov;165(8):1057-68 (Eng. Abstr.) **(Fre)**

[Effects of zinc and vitamin B 6 in experimental caries in rats] Rapisarda E, et al. **Minerva Stomatol** 1981 Jul-Aug; 30(4):317-20 (Eng. Abstr.) **(Ita)**

[Vitamin E and experimental caries in rats fed a cariogenic diet and zinc] Rapisarda E, et al. **Minerva Stomatol** 1981 Jul-Aug;30(4):313-6 (Eng. Abstr.) **(Ita)**

[Effect of carbostimulin on the content of ammonia, glutamine and activity of aminotransferase in blood serum of rabbits with alloxan diabetes] Gulyi MF, et al. **Ukr Biokhim Zh** 1981 Sep-Oct;53(5):80-3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Biological availability of zinc in humans. Solomons NW. **Am J Clin Nutr** 1982 May;35(5):1048-75 (235 ref.)

Role of zinc as an activator of mitochondrial function in rat liver. Yamaguchi M, et al. **Biochem Pharmacol** 1982 Apr 1;31(7):1289-93

Nutritional role of zinc and effects of deficiency. Sandstead HH. **Curr Concepts Nutr** 1982;11:97-124 (203 ref.)

Bovine tryptophanyl-tRNA synthetase. A zinc metalloenzyme. Kisselev LL, et al. **Eur J Biochem** 1981 Dec;120(3):511-7

Differential reactivation of zinc-mediated metallothionein induction in ultraviolet-irradiated normal and repair-deficient human cells. Hildebrand CE, et al. **J Cell Biochem** 1982;18(1):121-33

Slowing of sodium channel opening kinetics in squid axon by extracellular zinc. Gilly WF, et al. **J Gen Physiol** 1982 Jun;79(6):935-64

Zinc and gene expression. Vallee BL, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 14; 294(1071):185-97

Biochemical roles of trace elements. Mills CF. **Prog Clin Biol Res** 1981;77:179-88 (24 ref.)

Zinc and copper in human nutrition. Solomons NW. **Prog Clin Biol Res** 1981;67:97-127 (105 ref.)

Interactions between protein and heavy metals in the rodent prostatic cell. Thomas JA, et al. **Prog Clin Biol Res** 1981; 75A:459-74

Zinc as an integral component of the metabolic response to trauma. van Rij AM, et al. **Surg Gynecol Obstet** 1981 Nov; 153(5):677-82

[Role of zinc and other metals in the biological activity of the serum thymic factor (thymulin)] Dardenne M, et al. **C R Acad Sci [D] (paris)** 1981 Mar 30;292(13):793-6 (Eng. Abstr.) **(Fre)**

[The role of zinc in childhood] Rea F, et al. **Pediatria (Napoli)** 1981 Dec 31;89(4):729-45 (87 ref.) (Eng. Abstr.) **(Ita)**

[Role of zinc ions in the functioning of bovine tryptophanyl-tRNA-synthetase] Nurbekov MK, et al. **Mol Biol (Mosk)** 1981 Sep-Oct;15(5):1000-10 (Eng. Abstr.) **(Rus)**

[Importance of zinc in pediatric pathology] Deshchekina MF, et al. **Pediatriia** 1981 Dec;(12):58-61 (59 ref.) **(Rus)**

POISONING

Cancer mortality in a pigment plant utilizing lead and zinc chromates. Sheffet A, et al. **Arch Environ Health** 1982 Jan-Feb;37(1):44-52

Effects of lead, copper, and zinc on the rat's lactate dehydrogenase in vivo and in vitro. Dobryszycka W, et al. **Arch Toxicol** 1981 Aug;48(1):21-7

Acute upper respiratory symptoms resulting from exposure to zinc chloride aerosol. Schenker MB, et al. **Environ Res** 1981 Aug;25(2):317-24

Histopathologic effects of acutely toxic levels of copper & zinc on gills, liver & kidney of Puntius conchonius (Ham.).

Kumar S, et al. **Indian J Exp Biol** 1981 Feb;19(2):191–4
Environmental zinc and cadmium pollution associated with generalized osteochondrosis, osteoporosis, and nephrocalcinosis in horses. Gunson DE, et al. **J Am Vet Med Assoc** 1982 Feb 1;180(3):295–9
A historical prospective mortality study of workers in copper and zinc refineries. Logue JN, et al. **JOM** 1982 May; 24(5):398–408
Chelate antidotal efficacy in acute zinc intoxication. Basinger MA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Aug; 33(2):263–72
Health risks following ingestion of mercury and zinc air batteries. Nolan M, et al. **Scand Audiol** 1981;10(3):189–91
[Effect of heavy metals and D-penicillamine on the gamma-glutamyl transpeptidase activity of the blood and kidneys of rats in vivo and in vitro] Owczarek H. **Folia Med Cracov** 1980;22(3–4):349–58 (Eng. Abstr.) **(Pol)**

SECRETION

Zinc and magnesium output in pancreatic juice after pancreaticoduodenectomy. Matsuno S, et al. **Tohoku J Exp Med** 1982 Jan;136(1):11–22
[Effect of subdiaphragmatic vagotomy on zinc excretion by Paneth cells of small intestine of rats subjected to functional loading with zinc acetate] Kulikova OV. **Biull Eksp Biol Med** 1982 Jan;93(1):73–5 **(Rus)**

THERAPEUTIC USE

Isolated IgG hypogammaglobulinemia in acrodermatitis enteropathica: correction with zinc therapy. Wilson MC, et al. **Ann Allergy** 1982 May;48(5):288–91
Erosive pustular dermatosis of the scalp successfully treated with oral zinc sulphate [letter] Ikeda M, et al. **Br J Dermatol** 1982 Jun;106(6):742–3
A severe 'stasis eczema', associated with low plasma zinc, treated successfully with oral zinc. Owens CW, et al. **Br J Dermatol** 1981 Oct;105(4):461–4
Effect of oral zinc intake on the biological effect of lead. Abdulla M. **Dev Toxicol Environ Sci** 1980;8:599–602
Diabetes mellitus: impaired wound healing from zinc deficiency. Engel ED, et al. **J Am Podiatry Assoc** 1981 Oct;71(10):536–44
Preventive effect of zinc on cholesterol atherosclerosis in rabbit. Bedi HK, et al. **J Assoc Physicians India** 1981 Oct; 29(10):813–7
Zinc requirements in trauma and inflammation. Boyette DM. **Laryngoscope** 1982 Jun;92(6 Pt 1):648–9
Oral zinc in primary biliary cirrhosis [letter] Hoogenraad TU, et al. **N Engl J Med** 1982 Jul 8;307(2):122–3
Successful outcome of two pregnancies in a patient with congenital acrodermatitis enteropathica. **Nutr Rev** 1982 Mar;40(3):78–80 (15 ref.)
Zinc therapy of depressed cellular immunity in acrodermatitis enteropathica. **Nutr Rev** 1981 Apr;39(4):168
Depot-zinc therapy of systemic lupus erythematosus in B/W mice. Kretzschmar P, et al. **Proc Soc Exp Biol Med** 1981 Dec;168(3):301–5
Zinc responsive parakeratosis and ill-thrift in a Friesian calf. Price J, et al. **Vet Rec** 1982 May 15;110(20):478
[Zinc sulfate treatment of toxic and nutritional optic neuropathies] Béchetoille A, et al. **Bull Mem Soc Fr Ophtalmol** 1981;93:230–7 **(Fre)**
[Tolerance of large doses of oral zinc sulfate] Tschumi P, et al. **Schweiz Med Wochenschr** 1981 Oct 17;111(42):1573–7 (Eng. Abstr.) **(Ger)**
[Treatment of alopecia areata totalis and maligna with Solvezink (author's transl)] Wolowa F. **Z Hautkr** 1982 Mar 15;57(6):393–405 (Eng. Abstr.) **(Ger)**
[Acrodermatitis enteropathica (?) without diarrhea or malabsorption successfully treated with zinc] Oren M, et al. **Harefuah** 1982 Jan 15;102(2):61–2 (Eng. Abstr.) **(Heb)**
[Importance of zinc in the pathogenesis and treatment of enteropathic acrodermatitis] Rukavishnikova VM, et al. **Vestn Dermatol Venerol** 1981 Jun;(6):50–62 (Eng. Abstr.) **(Rus)**

TOXICITY

Acute toxicity of cadmium, zinc, and cadmium-zinc mixtures to Daphnia magna. Attar EN, et al. **Arch Environ Contam Toxicol** 1982;11(3):291–6
Comparative study of the effects of zinc, cadmium, and copper on the larval growth of three oyster species. Watling HR. **Bull Environ Contam Toxicol** 1982 Feb; 28(2):195–201
Chromosome changes in human lymphocytes after separate and combined treatment with divalent salts of lead, cadmium, and zinc. Gasiorek K, et al. **Environ Mutagen** 1981;3(5):513–8
Human respiratory responses to an aerosol containing zinc ammonium sulfate. Linn WS, et al. **Environ Res** 1981 Aug; 25(2):404–14
Protective effects of certain environmental factors on the toxicity of zinc, mercury, and methylmercury to Chlorella vulgaris. Rai LC, et al. **Environ Res** 1981 Aug;25(2):250–9
Changes in newt brain caused by zinc water-pollution. Taban CH, et al. **Experientia** 1982 Jun 15;38(6):683–5
Zinc toxicity in the ferret. Straube EF, et al. **J Comp Pathol** 1980 Jul;90(3):355–61
Comparative effects of cadmium, zinc, and lead in vitro on pulmonary, adrenal, and hepatic microsomal metabolism in the guinea pig. Colby HD, et al. **J Toxicol Environ Health** 1981 Nov-Dec;8(5–6):907–15
Effect of interaction of Mn2+ with Zn2+, Hg2+ and Cd2+ on some neurochemicals in rats. Shukla GS, et al. **Toxicol Lett** 1982 Feb;10(2–3):163–8

URINE

Urinary zinc in relation to other cations and flow during volume expansion and intravenous chlorothiazide. Watkins DW, et al. **Can J Physiol Pharmacol** 1981 Jun;59(6):562–6
Cadmium, copper and zinc in the urine of welders using cadmium-containing silver solder. Suzuki Y, et al. **Ind Health** 1981;19(4):223–30
Hydroxyproline and zinc excretion in patients with neoplastic breast disease. Percudani M, et al. **Int Surg** 1981 Jul-Sep; 66(3):233–6
Cadmium, copper, and zinc excretion and their binding to metallothionein in urine of cadmium exposed rats. Suzuki Y, et al. **J Toxicol Environ Health** 1981 Sep;8(3):479–87
Some metabolic interrelationships among cadmium, lead, copper and zinc: results from a field survey in CD-polluted areas in Japan. Part III. Urinary excretion of the heavy metals. Iwao S, et al. **Keio J Med** 1981 Apr;30(2):89–96

ZINC ISOTOPES

Intrinsic labelling of chicken meat with stable isotopes of zinc, for intended use in human feeding studies: feasibility and design considerations. Janghorbani M, et al. **Br J Nutr** 1981 Nov;46(3):395–402
Comparative measurement of zinc absorption in rats with stable isotope 70Zn and radioisotope 65Zn. Lo GS, et al. **J Nutr** 1981 Dec;111(12):2236–9

ZINC OXIDE see under **ZINC**

ZINC OXIDE-EUGENOL CEMENT

A study of the volumetric setting shrinkage of some dental materials. Bandyopadhyay S. **J Biomed Mater Res** 1982 Mar;16(2):135–44
Mechanical mixing of zinc oxide-eugenol cements. Mesu FP. **J Prosthet Dent** 1982 May;47(5):522–7
Influence of cementing medium on the accuracy of the remount procedure. Suthers MD, et al. **J Prosthet Dent** 1982 Apr;47(4):377–83
[Proposals for the improvement of zinc oxide-eugenol cement] Bonin P, et al. **Rev Odontostomatol (Paris)** 1981 Jul-Oct;10(4–5):331–9 **(Fre)**
[The effect of eugenol cement, CC, FC on the bonding strength of the adhesive resin to the tooth surface (author's transl)] Chang PI, et al. **Shika Rikogaku Zasshi** 1982 Jan; 23(61):93–7 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

[Zinc oxide-oil of cloves or zinc oxide-eugenol?] Gülzow HJ, et al. **Dtsch Zahnarztl Z** 1981 Aug;36(8):475–7 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of cutting speeds and a cavity liner on the pulpal response to Nobetec. Bioch WW, et al. **J Oral Pathol** 1981 Apr;10(2):95–100

THERAPEUTIC USE

[Pulp capping using Caryosan] Pákh Z. **Fogorv Sz** 1981 Jul; 74(7):213–4 **(Hun)**

ZINC PHOSPHATE CEMENT

Preferential affinity of oral bacteria for homologous salivary films on dental materials. Orstavik J, et al. **Acta Odontol Scand** 1982;40(1):49–56
Influence of cementing medium on the accuracy of the remount procedure. Suthers MD, et al. **J Prosthet Dent** 1982 Apr;47(4):377–83
[Studies on the setting reaction of the zinc phosphate dental cement (3)—quantitative analysis for consumed zinc oxide through setting reaction of the cement (author's transl)] Jyoshin K, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(59):213–6 (Eng. Abstr.) **(Jpn)**

STANDARDS

[Retention of three different luting cements (author's transl)] Goto T, et al. **Shika Rikogaku Zasshi** 1981 Apr; 22(59):168–71 (Eng. Abstr.) **(Jpn)**

TOXICITY

[Comparative study on cytotoxicity of main components of three luting cements in vitro (author's transl)] Sogawa K. **Shika Rikogaku Zasshi** 1981 Apr;22(59):172–86 (Eng. Abstr.) **(Jpn)**

ZINC RADIOISOTOPES

ANALYSIS

Decrease of radionuclides in Columbia river biota following closure of Hanford reactors. Cushing CE, et al. **Health Phys** 1981 Jul;41(1):59–67

METABOLISM

Absorption of orally administered 65Zn by normal human subjects. Aamodt RL, et al. **Am J Clin Nutr** 1981 Dec; 34(12):2648–52
Comparative measurement of zinc absorption in rats with stable isotope 70Zn and radioisotope 65Zn. Lo GS, et al. **J Nutr** 1981 Dec;111(12):2236–9

ZINEB see under **THIOCARBAMATES**

ZIRAM see under **THIOCARBAMATES**

ZIRCONIUM

ADVERSE EFFECTS

Evaluation of an occupational respiratory exposure to a zirconium-containing dust. Hadjimichael OC, et al. **JOM** 1981 Aug;23(8):543–7

THERAPEUTIC USE

On the clinical use of microencapsulated zirconium phosphate-urease for the treatment of chronic uremia. Kjellstrand C, et al. **Trans Am Soc Artif Intern Organs** 1981;27:24–30

ZOLAZEPAM see under **AZEPINES**

ZOLIMIDINE see under **PYRIDINES**

ZOLLINGER-ELLISON SYNDROME

see related
ADENOMATOSIS, FAMILIAL ENDOCRINE

Zollinger-Ellison syndrome. McCarthy DM. **Annu Rev Med** 1982;33:197–215 (116 ref.)
Hypergastrinemia and Zollinger-Ellison syndrome. Brooks CL, et al. **J Kans Med Soc** 1982 Jan;83(1):16–20
The Zollinger-Ellison syndrome. Zollinger RM. **World J Surg** 1981 Sep;5(5):773–5
The Zollionger-Ellison syndrome. Zollinger RM. **World J Surg** 1981 Sep;5(5):773–5

BLOOD

Effect of changes in serum calcium on secretin-stimulated serum gastrin in patients with Zollinger-Ellison syndrome. Jansen JB, et al. **Gastroenterology** 1982 Jul;83(1 Pt 2):173–8

COMPLICATIONS

Zollinger-Ellison syndrome presenting with osteomalacia. Lewis JH, et al. **Va Med** 1981 Sep;108(9):619–21
[Hyperparathyroidism associated with Zollinger-Ellison syndrome. 4 cases (author's transl)] Rigaud D, et al. **Nouv Presse Med** 1982 Apr 10;11(17):1299–303 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Pseudo-Zollinger-Ellison syndrome: hypergastrinemia, hyperchlorhydria without tumor. Friesen SR, et al. **Ann Surg** 1981 Oct;194(4):481–93
Basal and postatropine serum pancreatic polypeptide concentrations in familial multiple endocrine neoplasia type I. Lamers CB, et al. **J Clin Endocrinol Metab** 1982 Oct; 55(4):774–8
Clinical usefulness of the secretin provocation test. Lamers CB. **J Clin Gastroenterol** 1981 Sep;3(3):255–9
Zollinger-Ellison syndrome presenting as reflux esophagitis and stricture. Ramakrishnan T. **J La State Med Soc** 1981 Dec;133(12):189–90
Zollinger-Ellison syndrome: intermittent diarrhea, relentless hypokalemia, and hypergastrinemia. Chisholm JC Jr. **J Natl Med Assoc** 1981 Dec;73(12):1151–4
Diarrhoea and reversible enteropathy in Zollinger-Ellison syndrome. Kingham JG, et al. **Lancet** 1981 Sep 19; 2(8247):610–2
Diagnosis and management of gastrinoma (Zollinger-Ellison Syndrome) [editorial] Clain JE. **Mayo Clin Proc** 1982 Apr; 57(4):265–7
Laboratory diagnosis of gastrinoma. II. A prospective study of gastrin challenge tests. Malagelada JR, et al. **Mayo Clin Proc** 1982 Apr;57(4):219–26
Laboratory diagnosis of gastrinoma. I. A prospective evaluation of gastric analysis and fasting serum gastrin levels. Malagelada JR, et al. **Mayo Clin Proc** 1982 Apr; 57(4):211–8
Zollinger-Ellison syndrome: diagnosis and treatment. Marshall JB. **Mo Med** 1982 Mar;79(3):147–50
Percutaneous transhepatic venous sampling of gastrin: value in sporadic and familial islet-cell tumors and G-cell hyperfunction. Glowniak JV, et al. **N Engl J Med** 1982 Jul 29;307(5):293–7
[Changes in the diagnosis and treatment of Zollinger-Ellison syndrome (author's transl)] Feurle GE, et al. **Dtsch Med Wochenschr** 1982 May 7;107(18):697–704 (Eng. Abstr.) **(Ger)**
[The value of the rapid pentagastrin test] Linke G, et al. **Z Gesamte Inn Med** 1982 Jan 1;37(1):15–8 (Eng. Abstr.) **(Ger)**

[Diagnostic value of a biological test in Zollinger–Ellison syndrome] Baramiia NN, et al. **Klin Khir** 1981 Aug;(8):52–3 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of the Zollinger–Ellison syndrome and pancreatic ectopia into the wall of the stomach and duodenum] Syrbu IF, et al. **Klin Med (Mosk)** 1981 Oct; 59(10):66–9 **(Rus)**

[Diagnosis and treatment of extragastric gastrinoma and antral gastrocellular hyperplasia] Pantsyrev IuM, et al. **Sov Med** 1982;(3):92–6 **(Rus)**

[Ortho- and paraendocrine pancreatic apudomas (report of 4 personal cases)] Vara Thorbeck R, et al. **Rev Esp Enferm Apar Dig** 1982 Feb;61(2):124–31 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Thyrotropin-releasing hormone suppressed gastric acid output in patients with Zollinger–Ellison syndrome and systemic mastocytosis. Hutton SW, et al. **Am J Med** 1981 Dec;71(6):957–60

The role of surgery in patients with Zollinger–Ellison syndrome (ZES) managed medically. Brennan MF, et al. **Ann Surg** 1982 Sep;196(3):239–45

Intra-arterial use of streptozotocin in a case of metastatic malignant gastrinoma. Rauchwerger M, et al. **Can Med Assoc J** 1981 Dec 15;125(12):1339–41

Testing antisecretory drugs in Zollinger–Ellison syndrome: problems and limits in pharmacological studies [letter] Bonfils S. **Dig Dis Sci** 1982 Apr;27(4):377–80

Effect of isopropamide on response to oral cimetidine in patients with Zollinger–Ellison syndrome. McCarthy DM, et al. **Dig Dis Sci** 1982 Apr;27(4):353–9

Uses and abuses of cimetidine. Phillips TE, et al. **J Iowa Med Soc** 1982 Apr;72(4):157–62

Use of ranitidine in the medical treatment of Zollinger–Ellison syndrome. Bonfils S, et al. **Scand J Gastroenterol [Suppl]** 1981 Jun;69:119–23

ETIOLOGY

Zollinger–Ellison syndrome due to a gastrin-producing ovarian cystadenocarcinoma. Bollen EC, et al. **Br J Surg** 1981 Nov;68(11):776–7

PATHOLOGY

Electron microscopy and biopsy: diagnostic clue provided on routine formalin-fixed material. Shin WY, et al. **NY State J Med** 1982 Jun;82(7):1060–2

[Atypical (extrapancreatic) localizations of the gastrinoma in Zollinger–Ellison syndrome] Viiachki I, et al. **Khirurgiia (Sofiia)** 1981;34(6):593–7 **(Bul)**

[Ulcerogenic adenomatosis of the islet cell apparatus (Zollinger–Ellison syndrome)] Sivakov AE. **Arkh Patol** 1981;43(5):62–5 **(Rus)**

[Zollinger–Ellison syndrome. Report of a case] Jiménez Cardoso JM, et al. **Rev Gastroenterol Mex** 1981 Oct–Dec; 46(4):171–5 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Effect of somatostatin on gastrin, insulin and glucagon secretion in two patients with Zollinger–Ellison syndrome. Fallucca F, et al. **J Endocrinol Invest** 1981 Oct–Dec; 4(4):451–3

[The nature of gastric hypersecretion] Gadzhiev KhE, et al. **Ter Arkh** 1981;53(10):56–8 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Percutaneous transhepatic portal vein catheterisation in the diagnosis of hormone-producing tumours in the splanchnic area (author's transl)] Luska G, et al. **ROFO** 1981 Nov; 135(5):566–71 (Eng. Abstr.) **(Ger)**

SURGERY

Treatment of the Zollinger–Ellison syndrome. A 25 year assessment. Friesen SR. **Am J Surg** 1982 Mar;143(3):331–8 (50 ref.)

Results of surgical management in 92 consecutive patients with Zollinger–Ellison syndrome. Bonfils S, et al. **Ann Surg** 1981 Dec;194(6):692–7

Resection of gastrinoma in the Zollinger–Ellison syndrome. Barreras RF, et al. **Gastroenterology** 1982 May;82(5 Pt 1):953–6

Extrapancreatic, extraintestinal gastrinoma: effective treatment by surgery. Wolfe MM, et al. **N Engl J Med** 1982 Jun 24;306(25):1533–6

[Surgical treatment of Zollinger–Ellison syndrome. Long-term results in 34 patients and new approach (author's transl)] Moreaux J. **Chirurgie** 1981 Jun; 107(7):557–65 (Eng. Abstr.) **(Fre)**

[Zollinger–Ellison syndrome—changes in surgical therapy. Analysis of 27 patients] Klempa I, et al. **Chirurg** 1982 Apr; 53(4):263–9 (Eng. Abstr.) **(Ger)**

[Recurrent ulcers in the Zollinger–Ellison syndrome] Sekulovski K, et al. **Acta Chir Iugosl** 1981;28(2):239–45 (Eng. Abstr.) **(Scr)**

THERAPY

Gastrinoma—current observations and management options. Perry HA. **J Med Assoc State Ala** 1981 Dec;51(6):27, 29–30

ZONA see **HERPES ZOSTER**

ZONA PELLUCIDA see under **OVUM**

ZONOGRAPHY see **TOMOGRAPHY, X-RAY**

ZOOFLAGELLATA see **MASTIGOPHORA**

ZOOGLOEA

ANALYSIS

An extracellular polysaccharide produced by Zoogloea ramigera I-16-M. Shuto H, et al. **Eur J Biochem** 1982 Apr 1; 123(2):437–45

ENZYMOLOGY

An NAD-linked acetoacetyl-CoA reductase from Zoogloea ramigera I-16-M. Shuto H, et al. **Eur J Biochem** 1981 Aug; 118(1):53–9

Purification and properties of D(-)-3-hydroxybutyrate-dimer hydrolase from Zoogloea ramigera I-16-M. Tanaka Y, et al. **Eur J Biochem** 1981 Aug;118(1):177–82

ZOOLOGY

see related
ANIMALS

[Critique of the modern theories of zoological classification] Guinot D. **Pubbl Stn Zool Napoli [II]** 1979;1(1):119–38 (Eng. Abstr.) **(Fre)**

HISTORY

Schack August Steenberg Krogh. Kyle RA, et al. **JAMA** 1981 Nov 27;246(21):2446

[K. F. Rulé's zoopsychology] Acanfora M. **Med Secoli** 1980 May–Aug;17(2):225–36 **(Ita)**

ZOOMASTIGINA see under **MASTIGOPHORA**

ZOONOSES

Epidemiology and pathogenesis of zoonotic toxocariasis. Glickman LT, et al. **Epidemiol Rev** 1981;3:230–50 (131 ref.)

Toxoplasmosis. Sikes RK. **J Am Vet Med Assoc** 1982 Apr 15;180(8):857–9

Antibodies against some parasites of zoonotic importance in rodents caught in Port Said Governorate, A.R.E. Morsy TA, et al. **J Egypt Soc Parasitol** 1981 Jun;11(1):147–56

Children, pets, and disease. Altamura RF. **JAOA** 1982 Jan; 81(5):334–40 (11 ref.)

The epidemiology of influenza as a zoonosis. Kaplan MM. **Vet Rec** 1982 Apr 24;110(17):395–9

Risk from chlamydia [letter] Miller AH. **Vet Rec** 1982 May 15;110(20):482

The zoonotic potential of bovine leukemia virus. Burridge MJ. **Vet Res Commun** 1981 Dec;5(2):117–26

Campylobacter enteritis in dogs and cats: a 'new' zoonosis. Skirrow MB. **Vet Res Commun** 1981 Sep;5(1):13–9 (30 ref.)

[Hygienic problems by civilization-following synanthropic animals (author's transl)] Blindow H. **DTW** 1981 Sep 5; 88(9):371–6 (Eng. Abstr.) **(Ger)**

[Role of animals in the epidemiology of hunan type A influenza] Szkudlarek L. **Przegl Epidemiol** 1981; 35(2):195–201 **(Pol)**

[Results of prolonged study of flood plain-swamp endemic foci of tularemia, and its prophylaxis in the Leningrad Region] Ul'ianova NI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1982 Feb;(2):104–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Zoonoses at Henry Ford Hospital: clinical, epidemiologic, and therapeutic aspects. McIntosh N, et al. **Henry Ford Hosp Med J** 1982;30(1):7–10

ETIOLOGY

[WHO Collaborating Centre for Research and Training in Veterinary Public Health at the Hannover Veterinary College. 9th seminar on environmental hygiene, 12–13 February 1981: animals in urban areas as a hygienic problem] **DTW** 1981 Jul 5;88(7):286–303 **(Ger)**

IMMUNOLOGY

[Immune reactivity indices and their dynamics in zooanthroponotic microsporosis] Fomin KF, et al. **Vestn Dermatol Venerol** 1981 Jul;(7):63–4 (Eng. Abstr.) **(Rus)**

[Role of body immune reactivity in the formation of superficial and infiltrative zooanthroponotic trichophytosis] Medvedev IuA, et al. **Vestn Dermatol Venerol** 1981 Nov; (11):39–41 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Follicular dermatitis caused by Salmonella dublin. Gillians JA, et al. **Med J Aust** 1982 May 1;1(9):390–1

OCCURRENCE

Risks of zoonoses in a veterinary service. Constable PJ, et al. **Br Med J [Clin Res]** 1982 Jan 23;284(6311):246–8

Zoonoses in modern medical practice. Madhavan T. **Henry Ford Hosp Med J** 1982;30(1):4–6

[Brucellosis and other zoonoses] Anusz Z. **Przegl Epidemiol** 1981;35(1):141–7 **(Pol)**

[Multi-year dynamics of the stable structure of a natural focus of plague in the North-Eastern Caspian Sea area] Sorokin VV, et al. **Med Parazitol (Mosk)** 1981 Sep–Oct;50(5):70–6 **(Rus)**

PREVENTION & CONTROL

[Iatrogenic impact of veterinary prophylaxis on man. Timeliness of serologic monitoring of antirabies immunity in the contaminated vaccinated animal] Lery L, et al. **Bull Acad Natl Med (Paris)** 1981 Jun;165(6):753–9 (Eng. Abstr.) **(Fre)**

TRANSMISSION

The rôle of dogs and cats in the epidemiology of human campylobacter enterocolitis. Holt PE. **J Small Anim Pract** 1981 Oct;22(10):681–5

Leprosy—a zoonosis. Walsh GP, et al. **Lepr Rev** 1981 Dec; 52 Suppl 1:77–83

Danger! Experimental animals. Simmons ML. **Occup Health Saf** 1982 Mar;51(3):30–3

Animal diseases and primary health care: intersectoral challenges. Schwabe C. **WHO Chron** 1981;35(6):227–32

ZOOPHAGINAE see **VERTEBRATE VIRUSES**

ZOOPLANKTON see under **PLANKTON**

ZOSTER see **HERPES ZOSTER**

ZOXAZOLAMINE

METABOLISM

In vivo activation of zoxazolamine metabolism by flavone. Lasker JM, et al. **Science** 1982 Jun 25;216(4553):1419–21

ZUNGARIAN see **HAMSTERS**

ZYGOMA

Use of the zygomatic arches for extraskeletal fixation in a complex craniofacial fracture. Spence DR. **J Oral Maxillofac Surg** 1982 Jul;40(7):440–2

[Localized congenital fibromatosis: a contribution to the differential diagnosis of malignant tumors in childhood] Reich RH. **Dtsch Zahnarztl Z** 1981 Nov;36(11):729–31 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Marshall/Stickler syndrome. Baraitser M. **J Med Genet** 1982 Apr;19(2):139–40

ANATOMY & HISTOLOGY

[The pterygo-maxillary fossa (infra-temporal fossa). Topographical division. Methods of investigation. Transmandibular approach to the region of the pterygoids (author's transl)] Legent F, et al. **Ann Otolaryngol Chir Cervicofac** 1981;98(9):435–42 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Experimental investigations into the clinical significance of bone growth at viscerocranial sutures. Watzek G, et al. **J Maxillofac Surg** 1982 May;10(2):61–79

INJURIES

The versatile anterior maxillary wall bone graft. Pearl RM, et al. **Ann Plast Surg** 1981 Sep;7(3):191–4

PATHOLOGY

Solitary bone cyst of the zygomatic bone. Bradley JC. **Br Dent J** 1982 Mar 16;152(6):203–4

Orofacial changes in systemic sclerosis—report of a case of resorption of mandibular angles and zygomatic arches. Hopper FE, et al. **Br J Oral Surg** 1982 Jun;20(2):129–34

Unusual cyst of the zygoma. Bodner L, et al. **J Oral Maxillofac Surg** 1982 Apr;40(4):229–31

PHYSIOLOGY

Distribution of stress patterns in the human zygomatic arch and bone. Alexandridis C, et al. **J Oral Rehabil** 1981 Nov; 8(6):495–505

RADIOGRAPHY

A radiodiagnostic technique to show the zygomatic process. Ryan WJ, et al. **Radiography** 1981 Jul;47(559):165–8

SURGERY

Augmentation malarplasty. Brennan HG. **Arch Otolaryngol** 1982 Jul;108(7):441–4

Chin and zygomaticomaxillary augmentation with Proplast:

long-term follow-up. Kent JN, et al. **J Oral Surg** 1981 Nov;39(11):912–9

ZYGOMATIC FRACTURES

COMPLICATIONS

Acute retrobulbar hemorrhage complicating a malar fracture. Ord RA, et al. **J Oral Maxillofac Surg** 1982 Apr;40(4):234–6

PATHOLOGY

[Zygomatic fractures–frequently overlooked injuries (author's transl)] Bünger B. **Unfallheilkunde** 1982 May; 85(5):206–14 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Radiographic technic for the individual visualization of fractures of the zygomatic arch] Bonneau E. **Rev Stomatol Chir Maxillofac** 1982;83(2–3):80–3 (Eng. Abstr.) **(Fre)**

SURGERY

Post-operative retrobulbar haemorrhage and blindness complicating trauma surgery. Ord RA. **Br J Oral Surg** 1981 Sep;19(3):202–7

The management of fractures of the zygoma. Winstanley RP. **Int J Oral Surg** 1981;10(Suppl 1):235–40

The use of a single fronto–zygomatic osteosynthesis plate and a sinus balloon in the repair of fractures of the lateral middle third of the face. Fain J, et al. **J Maxillofac Surg** 1981 Aug;9(3):188–93

Fixation of the unstable zygomatic arch fracture. van der Wal KG, et al. **J Oral Surg** 1981 Oct;39(10):783–4

[Treatment of traumatic zygomatic fracture (31 cases) (author's transl)] Xie GC. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Dec;16(4):238–40 **(Chi)**

[Retention procedures for fractures of the zygomatic arc] Hadjean E, et al. **Ann Chir Plast** 1981;26(3):293–4 **(Fre)**

[Mini-plate osteosynthesis (Champy-set) and periorbital stabilization (author's transl)] Richter W, et al. **HNO** 1982 May;30(5):186–8 (Eng. Abstr.) **(Ger)**

[Retractor for repositioning the fractured zygomatic bone and arch] Mamonov AG, et al. **Med Tekh** 1982 Mar–Apr; (2):59–60 **(Rus)**

THERAPY

[Our own design of an apparatus for transcutaneous bone traction] Vercellino V, et al. **Minerva Stomatol** 1982 Jan–Feb;31(1):77–81 (Eng. Abstr.) **(Ita)**

ZYGOMYCETES

ANALYSIS

Lipid level and total fatty acid composition for selected developmental stages of Entomophthora egressa. Dunphy GB, et al. **Can J Microbiol** 1981 Jul;27(7):670–4

CLASSIFICATION

[Nutritional requirements of Entomophthorales (author's transl)] Latgé JP. **Ann Microbiol (Paris)** 1981 Nov–Dec;132 B(3):299–306 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Susceptibility of zygomycetes to amphotericin B, miconazole, and ketoconazole. Eng RH, et al. **Antimicrob Agents Chemother** 1981 Nov;20(5):688–90

GROWTH & DEVELOPMENT

Generation time and growth rate of the human intestinal parasite Blastocystis hominis. Zierdt CH, et al. **J Protozool** 1981 Nov;28(4):483–5

Blastocystis hominis: improved axenic cultivation [letter] Molet B, et al. **Trans R Soc Trop Med Hyg** 1981;75(5):752–3

[The transmission of Entomophaga destruens mycosis in Culex pipiens] Novák D, et al. **Angew Parasitol** 1982 Feb; 23(1):45–7 **(Ger)**

ISOLATION & PURIFICATION

Subcutaneous zygomycosis caused by Basidiobolus haptosporus: presentation of a case mimicking Burkitt's lymphoma. Bittencourt AL, et al. **Am J Trop Med Hyg** 1982 Mar;31(2):370–3

METABOLISM

[Cerebrosides of microscopi fungi of the family Entomophthoraceae] Popova NI, et al. **Mikrobiologiia** 1982 Mar–Apr;51(2):361–2 **(Rus)**

PATHOGENICITY

Experimental cerebral zygomycosis in alloxan-diabetic rabbits: variation in virulence among zygomycetes. Reinhardt DJ, et al. **Sabouraudia** 1981 Dec;19(4):245–56

ZYGOTE

Gene transfer into the mouse germ-line. Costantini F, et al. **J Cell Physiol** 1982;Suppl 1:219–26

CYTOLOGY

A comparative study of the effects of egg rotation (gravity orientation) and UV irradiation on anuran vs. urodele amphibian eggs. Chung HM, et al. **Differentiation** 1981; 18(3):185–9

METABOLISM

The periodic change in adenosine 3',5'-monophosphate concentration in sea-urchin eggs. Ishida K, et al. **Biochim Biophys Acta** 1982 Jun 8;720(3):266–73

Secretion of protein by the fertilized mouse ovum. Brinster RL, et al. **Exp Cell Res** 1981 Aug;134(2):291–6

Observations on intracellular pH during cleavage of eggs of Xenopus laevis. Lee SC, et al. **J Cell Biol** 1981 Nov; 91(2 Pt 1):414–19

Turnover of basic chromosomal proteins in fertilized eggs: a cytoimmunochemical study of events in vivo. Rodman TC, et al. **J Cell Biol** 1981 Aug;90(2):351–61

MICROBIOLOGY

Microinjection of cloned retroviral genomes into mouse zygotes: integration and expression in the animal. Harbers K, et al. **Nature** 1981 Oct 15–21;293(5833):540–2

PHYSIOLOGY

Ovum factor: a first signal of pregnancy? Cavanagh AC, et al. **Am J Reprod Immunol** 1982 Apr;2(2):97–101

Differential transport of fertilized and unfertilized ova in the rat. Villalón M, et al. **Biol Reprod** 1982 Mar;26(2):337–41

Translational control in sea urchin eggs and embryos: initiation is rate limiting in blastula stage embryos. Hille MB, et al. **Dev Biol** 1981 Aug;86(1):241–9

Direct measurement of intracellular pH changes in Xenopus eggs at fertilization and cleavage. Webb DJ, et al. **J Cell Biol** 1981 Nov;91(2 Pt 1):562–7

Electrophoretic movement of fertilized sea-urchin eggs. Oshima N. **J Cell Sci** 1982 Jun;55:105–13

31P NMR reveals increased intracellular pH after fertilization in Xenopus eggs. Nuccitelli R, et al. **Proc Natl Acad Sci USA** 1981 Jul;78(7):4421–5

[Endocrine regulation of zygote implantation in mammals] Hicks-Gómez JJ. **Gac Med Mex** 1981 Dec;117(12):510–20 **(Spa)**

RADIATION EFFECTS

Humoral and cell-mediated immune function in adult Japanese Quail following exposure to 2.45-GHz microwave radiation during embryogeny. Galvin MJ, et al. **Bioelectromagnetics** 1981;2(3):269–78

Radiosensitivity variation during the cell cycle in pronuclear mouse embryos in vitro. Domon M. **Cell Tissue Kinet** 1982 Jan;15(1):89–98

ULTRASTRUCTURE

Fusion of fertilized and unfertilized sea urchin eggs. Maintenance of cell surface integrity. Bennett J, et al. **Exp Cell Res** 1981 Aug;134(2):494–8

Fine structure of human two-cell ova fertilized and cleaved in vitro. Dvorak M, et al. **Fertil Steril** 1982 May;37(5):661–7

Ultrastructure of the human ovum fertilized in vitro. Tesařík J, et al. **Folia Morphol (Praha)** 1981;29(3):297–304

[Human ovum at the pronucleus fusion stage after natural fertilization] Velikil PL, et al. **Arkh Anat Gistol Embriol** 1981 Jun;80(6):81–2 (Eng. Abstr.) **(Rus)**

ZYMOSAN

ADMINISTRATION & DOSAGE

Resistance to experimental peritonitis induced by local nonspecific stimulation of the reticuloendothelial system. Joyce LD, et al. **Adv Shock Res** 1980;4:49–54

IMMUNOLOGY

Opsonic activity against zymosan of normal human serum of different blood types. Kobayashi Y, et al. **Experientia** 1982 Jan 15;38(1):131–2

Passive protection against X-irradiation with serum from zymosan-primed and endotoxin-injected mice. Addison PD, et al. **J Reticuloendothel Soc** 1981 Oct;30(4):301–11

Stimulatory effect of latex and zymosan particles on cyclic adenosine 3',5'-monophosphate content in human granulocytes. Stolc V. **Mol Immunol** 1981 Aug;18(8):773–9

METABOLISM

The binding of human complement proteins C5, factor B, beta 1H and properdin to complement fragment C3b on zymosan. DiScipio RG. **Biochem J** 1981 Dec 1;199(3):485–6

PHARMACODYNAMICS

Inhibition of phospholipid methyltransferase during zymosan induced secretion of platelet-activating factor in human polymorphonuclear leukocytes. Gil MG, et al. **Biochem Biophys Res Commun** 1981 Aug 14;101(3):740–8

Opsonized zymosan-stimulated granulocytes–activation and activity of the superoxide-generating system and membrane potential changes. Cohen HJ, et al. **Blood** 1981 Nov; 58(5):975–82

Subcellular localization of H2O2 production in human neutrophils stimulated with particles and an effect of cytochalasin-B on the cells. Ohno Y, et al. **Blood** 1982 Jul;60(1):253–60

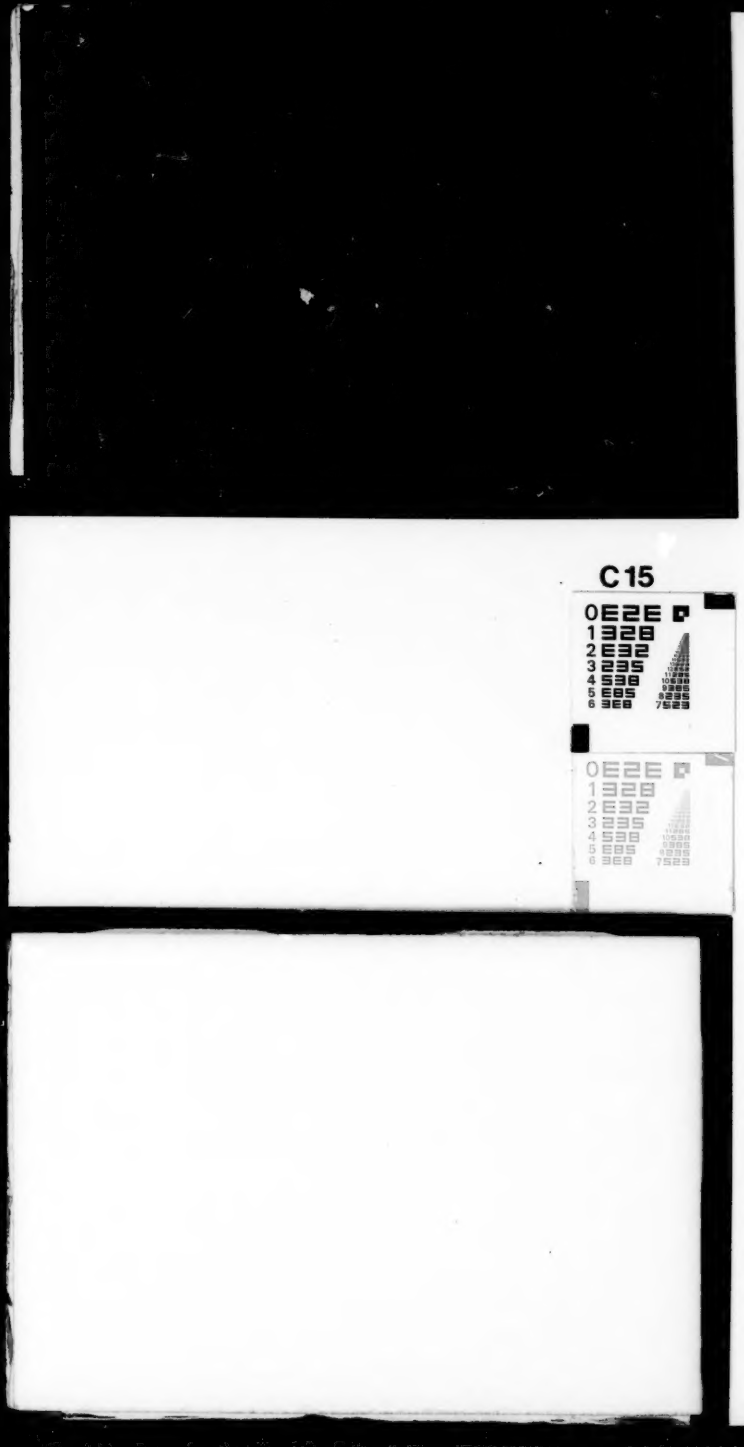
Superoxide release by zymosan-stimulated rat Kupffer cells in vitro. Bhatnagar R, et al. **Eur J Biochem** 1981 Sep; 119(1):171–5

Activation of bone marrow-derived macrophages by repeated zymosan phagocytosis leads to enhanced prostaglandin synthesis. Oropeza-Rendon RL, et al. **Immunobiology** 1981;160(2):208–16

Neutrophil-mediated endothelial injury in vitro mechanisms of cell detachment. Harlan JM, et al. **J Clin Invest** 1981 Dec;68(6):1394–403

Modulation of Ia-like antigen expression and antigen-presenting activity of human monocytes by endotoxin and zymosan A. Yem AW, et al. **J Immunol** 1981 Dec;127(6):2245–51

[Reactive changes in liver stroma following zymosan administration] Shcherbakov VI, et al. **Biull Eksp Biol Med** 1981 Dec;92(12):731–4 (Eng. Abstr.) **(Rus)**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